

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12900 Jan 27 j 21:30	6°♄32'13	-0°23'16	superior conj	-12899 Jan 11 j 09:24	21°♄36'12	-0°44'09
minimum elong	-12900 Jan 27 j 22:26	6°♄37'17	0°23'36	minimum elong	-12899 Jan 11 j 10:59	21°♄44'50	0°44'11
max. Earth dist.	-12900 Jan 28 j 10:14	7°♄41'40	1.32872 AU	max. Earth dist.	-12899 Jan 10 j 23:42	20°♄43'12	1.32795 AU
asc. node	-12900 Jan 30 j 09:43	11°♄59'34			-12899 Jan 15 j 05:56	0°♄	
evening rise	-12900 Feb 04 j 01:44	21°♄52'59		asc. node	-12899 Jan 16 j 07:07	2°♄15'21	
	-12900 Feb 08 j 02:52	0°♄		evening rise	-12899 Jan 18 j 10:31	6°♄47'26	
	-12900 Feb 26 j 12:32	0°♄			-12899 Jan 30 j 18:54	0°♄	
evening max el	-12900 Mar 05 j 13:52	9°♄11'45	26°54'29	evening max el	-12899 Feb 15 j 12:52	20°♄42'32	25°53'29
desc. node	-12900 Mar 19 j 00:43	16°♄37'58		retrograde	-12899 Mar 01 j 15:00	27°♄57'00	
retrograde	-12900 Mar 19 j 16:15	16°♄39'04		desc. node	-12899 Mar 05 j 21:41	27°♄12'15	
evening set	-12900 Mar 26 j 01:13	14°♄50'08		evening set	-12899 Mar 07 j 04:13	26°♄42'11	
min. Earth dist.	-12900 Mar 30 j 03:11	11°♄58'07	0.60274 AU	min. Earth dist.	-12899 Mar 12 j 02:18	23°♄47'45	0.58336 AU
inferior conj	-12900 Apr 02 j 10:23	9°♄09'35	-2°55'48	inferior conj	-12899 Mar 15 j 07:13	21°♄26'20	-2°08'42
minimum elong	-12900 Apr 02 j 07:53	9°♄14'58	2°56'18	minimum elong	-12899 Mar 15 j 03:52	21°♄32'32	2°08'46
morning rise	-12900 Apr 09 j 16:58	4°♄23'19		morning rise	-12899 Mar 23 j 06:39	16°♄59'37	
direct	-12900 Apr 12 j 04:20	3°♄59'01		direct	-12899 Mar 25 j 13:32	16°♄42'13	
morning max el	-12900 Apr 19 j 08:03	7°♄29'57	18°12'13	morning max el	-12899 Apr 02 j 16:09	20°♄35'13	18°41'01
asc. node	-12900 Apr 27 j 08:37	18°♄25'16			-12899 Apr 09 j 20:59	0°♄	
	-12900 May 03 j 20:34	0°♄		asc. node	-12899 Apr 14 j 05:32	7°♄33'24	
morning set	-12900 May 05 j 10:54	2°♄57'53		morning set	-12899 Apr 18 j 23:19	16°♄32'10	
					-12899 Apr 25 j 23:02	0°♄	
superior conj	-12900 May 15 j 15:06	21°♄37'42	1°47'25	superior conj	-12899 Apr 28 j 01:31	3°♄58'10	1°37'12
minimum elong	-12900 May 15 j 13:47	21°♄31'50	1°46'51	minimum elong	-12899 Apr 27 j 22:40	3°♄44'51	1°36'17
	-12900 May 20 j 09:44	0°♄		max. Earth dist.	-12899 May 05 j 01:02	16°♄40'04	1.39326 AU
max. Earth dist.	-12900 May 22 j 23:55	4°♄25'05	1.41179 AU	evening rise	-12899 May 09 j 08:26	24°♄07'23	
evening rise	-12900 May 28 j 16:57	13°♄51'46			-12899 May 12 j 20:51	0°♄	
	-12900 Jun 08 j 00:07	0°♄		desc. node	-12899 Jun 01 j 19:34	0°♄03'43	
desc. node	-12900 Jun 14 j 21:58	10°♄13'29			-12899 Jun 01 j 18:28	0°♄	
	-12900 Jun 30 j 03:10	0°♄		evening max el	-12899 Jun 13 j 13:14	14°♄18'00	23°51'46
evening max el	-12900 Jul 01 j 01:48	0°♄58'42	22°29'14	retrograde	-12899 Jun 24 j 07:03	20°♄40'36	
retrograde	-12900 Jul 10 j 15:27	6°♄39'05		evening set	-12899 Jun 29 j 14:09	18°♄23'16	
evening set	-12900 Jul 15 j 07:54	4°♄42'42		inferior conj	-12899 Jul 04 j 19:24	12°♄07'51	-1°51'37
	-12900 Jul 19 j 10:59	30°♄		minimum elong	-12899 Jul 04 j 21:20	12°♄01'12	1°50'51
inferior conj	-12900 Jul 20 j 13:10	28°♄30'00	-1°09'50	min. Earth dist.	-12899 Jul 04 j 09:25	12°♄42'02	0.67169 AU
minimum elong	-12900 Jul 20 j 14:31	28°♄25'19	1°08'56	morning rise	-12899 Jul 10 j 04:29	5°♄56'20	
min. Earth dist.	-12900 Jul 20 j 14:18	28°♄26'03	0.67235 AU	asc. node	-12899 Jul 11 j 06:48	5°♄12'43	
asc. node	-12900 Jul 24 j 10:05	23°♄34'11		direct	-12899 Jul 14 j 05:11	4°♄24'21	
morning rise	-12900 Jul 25 j 21:02	22°♄11'41		morning max el	-12899 Jul 22 j 16:33	9°♄27'08	21°04'44
direct	-12900 Jul 30 j 09:33	20°♄22'00			-12899 Aug 07 j 04:29	0°♄	
morning max el	-12900 Aug 08 j 22:57	26°♄07'07	22°23'12	morning set	-12899 Aug 21 j 08:18	21°♄32'53	
	-12900 Aug 12 j 10:36	0°♄			-12899 Aug 26 j 16:33	0°♄	
	-12900 Sep 02 j 19:06	0°♄		desc. node	-12899 Aug 28 j 15:49	3°♄09'59	
morning set	-12900 Sep 10 j 20:43	12°♄40'33		max. Earth dist.	-12899 Aug 30 j 03:47	5°♄35'48	1.42835 AU
desc. node	-12900 Sep 10 j 18:35	12°♄31'59					
max. Earth dist.	-12900 Sep 16 j 20:34	22°♄32'19	1.41163 AU	superior conj	-12899 Sep 05 j 17:35	16°♄29'30	-0°46'57
	-12900 Sep 21 j 05:24	0°♄		minimum elong	-12899 Sep 05 j 13:53	16°♄13'53	0°45'42
superior conj	-12900 Sep 24 j 10:12	5°♄37'20	-1°14'38		-12899 Sep 13 j 13:30	0°♄	
minimum elong	-12900 Sep 24 j 06:37	5°♄21'26	1°13'26	evening rise	-12899 Sep 17 j 13:16	7°♄04'12	
evening rise	-12900 Oct 04 j 14:54	24°♄18'34			-12899 Oct 01 j 09:42	0°♄	
	-12900 Oct 07 j 16:27	0°♄		evening max el	-12899 Oct 04 j 06:59	3°♄22'28	18°06'49
asc. node	-12900 Oct 20 j 09:57	19°♄46'23		asc. node	-12899 Oct 07 j 07:09	5°♄47'55	
evening max el	-12900 Oct 20 j 19:07	20°♄09'32	18°14'51	retrograde	-12899 Oct 11 j 01:08	6°♄55'17	
retrograde	-12900 Oct 28 j 00:35	23°♄48'26		evening set	-12899 Oct 13 j 14:11	6°♄24'52	
evening set	-12900 Oct 30 j 11:47	23°♄23'49		inferior conj	-12899 Oct 20 j 08:36	1°♄14'34	3°25'18
inferior conj	-12900 Nov 06 j 18:03	18°♄34'08	4°00'35	minimum elong	-12899 Oct 20 j 04:43	1°♄24'08	3°25'10
minimum elong	-12900 Nov 06 j 14:58	18°♄40'49	4°00'44		-12899 Oct 21 j 14:39	30°♄	
min. Earth dist.	-12900 Nov 09 j 20:37	15°♄53'24	0.60289 AU	min. Earth dist.	-12899 Oct 23 j 02:13	28°♄33'19	0.62077 AU
morning rise	-12900 Nov 13 j 16:41	13°♄05'56		morning rise	-12899 Oct 26 j 18:07	25°♄28'28	
direct	-12900 Nov 20 j 11:45	11°♄01'31		direct	-12899 Nov 02 j 19:13	22°♄59'01	
morning max el	-12900 Dec 04 j 10:55	18°♄22'40	27°02'10		-12899 Nov 16 j 03:28	0°♄	
desc. node	-12900 Dec 07 j 19:39	21°♄52'11		morning max el	-12899 Nov 16 j 14:50	0°♄27'04	27°31'38
	-12900 Dec 14 j 08:02	0°♄		desc. node	-12899 Nov 24 j 16:12	9°♄34'59	
	-12899 Jan 01 j 03:39	0°♄			-12899 Dec 08 j 06:31	0°♄	
morning set	-12899 Jan 04 j 07:57	6°♄27'25		morning set	-12899 Dec 19 j 13:00	21°♄08'07	


































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12899 Dec 23 j 18:52	0°♄		desc. node	-12898 Nov 11 j 12:49	28°♄15'22	
max. Earth dist.	-12899 Dec 25 j 10:48	3°♄34'09	1.33063 AU		-12898 Nov 12 j 18:15	0°♄	
					-12898 Nov 30 j 16:24	0°♄	
superior conj	-12899 Dec 26 j 20:30	6°♄36'28	-1°02'42	morning set	-12898 Dec 03 j 10:59	5°♄24'01	
minimum elong	-12899 Dec 26 j 22:26	6°♄46'57	1°02'31	max. Earth dist.	-12898 Dec 08 j 15:41	16°♄01'11	1.33708 AU
evening rise	-12898 Jan 02 j 21:22	21°♄45'52					
asc. node	-12898 Jan 03 j 04:33	22°♄23'29		superior conj	-12898 Dec 11 j 04:58	21°♄25'40	-1°18'09
	-12898 Jan 06 j 22:14	0°♄		minimum elong	-12898 Dec 11 j 06:53	21°♄35'55	1°17'49
	-12898 Jan 26 j 13:24	0°♄			-12898 Dec 15 j 04:55	0°♄	
evening max el	-12898 Jan 28 j 07:03	1°♄43'35	24°29'46	evening rise	-12898 Dec 18 j 08:32	6°♄41'20	
retrograde	-12898 Feb 11 j 02:17	8°♄36'23		asc. node	-12898 Dec 21 j 01:58	12°♄18'10	
evening set	-12898 Feb 15 j 14:22	7°♄50'38			-12898 Dec 30 j 22:21	0°♄	
desc. node	-12898 Feb 20 j 18:30	5°♄21'15		evening max el	-12897 Jan 10 j 00:28	12°♄34'49	22°55'56
min. Earth dist.	-12898 Feb 21 j 20:35	4°♄41'09	0.56707 AU	retrograde	-12897 Jan 23 j 01:32	18°♄52'18	
inferior conj	-12898 Feb 24 j 08:18	3°♄05'15	-0°52'57	evening set	-12897 Jan 26 j 14:18	18°♄25'01	
minimum elong	-12898 Feb 24 j 06:20	3°♄08'26	0°53'07	min. Earth dist.	-12897 Feb 03 j 12:19	14°♄48'16	0.55692 AU
	-12898 Mar 01 j 17:54	30°♄		inferior conj	-12897 Feb 04 j 15:32	14°♄08'27	0°45'25
morning rise	-12898 Mar 05 j 01:22	28°♄54'56		minimum elong	-12897 Feb 04 j 17:25	14°♄05'42	0°44'13
direct	-12898 Mar 07 j 04:50	28°♄42'08		desc. node	-12897 Feb 07 j 15:13	12°♄26'58	
	-12898 Mar 12 j 07:49	0°♄		morning rise	-12897 Feb 13 j 22:05	10°♄04'43	
morning max el	-12898 Mar 16 j 16:53	3°♄12'12	19°29'33	direct	-12897 Feb 16 j 03:40	9°♄52'42	
asc. node	-12898 Apr 01 j 02:32	27°♄07'16		morning max el	-12897 Feb 27 j 07:25	15°♄11'47	20°37'32
morning set	-12898 Apr 02 j 21:44	0°♄40'47			-12897 Mar 10 j 03:58	0°♄	
	-12898 Apr 02 j 13:32	0°♄		morning set	-12897 Mar 18 j 03:00	15°♄14'40	
				asc. node	-12897 Mar 18 j 23:37	17°♄00'02	
					-12897 Mar 25 j 07:10	0°♄	
superior conj	-12898 Apr 11 j 04:49	17°♄12'32	1°20'11				
minimum elong	-12898 Apr 11 j 01:47	16°♄57'39	1°19'01	superior conj	-12897 Mar 25 j 20:21	1°♄07'11	0°59'11
max. Earth dist.	-12898 Apr 17 j 01:49	28°♄25'17	1.37491 AU	minimum elong	-12897 Mar 25 j 17:53	0°♄54'39	0°57'57
	-12898 Apr 17 j 22:20	0°♄		max. Earth dist.	-12897 Mar 30 j 08:44	10°♄07'54	1.35878 AU
evening rise	-12898 Apr 21 j 02:21	5°♄43'59		evening rise	-12897 Apr 03 j 17:29	18°♄27'25	
	-12898 May 05 j 19:29	0°♄			-12897 Apr 10 j 04:07	0°♄	
desc. node	-12898 May 19 j 17:05	19°♄24'59			-12897 Apr 29 j 21:53	0°♄	
evening max el	-12898 May 26 j 22:40	27°♄38'01	25°11'18	desc. node	-12897 May 06 j 14:31	8°♄05'35	
	-12898 May 29 j 11:21	0°♄		evening max el	-12897 May 09 j 08:40	10°♄58'55	26°19'13
retrograde	-12898 Jun 07 j 18:51	4°♄36'29		retrograde	-12897 May 22 j 02:09	18°♄21'07	
evening set	-12898 Jun 13 j 16:18	2°♄01'47		evening set	-12897 May 28 j 12:09	15°♄36'11	
	-12898 Jun 15 j 15:51	30°♄		min. Earth dist.	-12897 Jun 01 j 13:31	11°♄12'19	0.65984 AU
min. Earth dist.	-12898 Jun 18 j 01:53	26°♄58'44	0.66762 AU	inferior conj	-12897 Jun 03 j 00:54	9°♄21'32	-2°55'46
inferior conj	-12898 Jun 18 j 23:57	25°♄45'38	-2°27'26	minimum elong	-12897 Jun 03 j 02:54	9°♄15'15	2°55'42
minimum elong	-12898 Jun 19 j 02:08	25°♄38'23	2°26'57	morning rise	-12897 Jun 08 j 17:49	3°♄32'24	
morning rise	-12898 Jun 24 j 12:00	19°♄43'57		direct	-12897 Jun 12 j 00:24	2°♄30'49	
direct	-12898 Jun 28 j 02:42	18°♄28'09		asc. node	-12897 Jun 15 j 00:12	3°♄19'07	
asc. node	-12898 Jun 28 j 03:30	18°♄28'09		morning max el	-12897 Jun 18 j 22:32	6°♄25'41	19°02'53
morning max el	-12898 Jul 05 j 16:28	22°♄53'12	19°56'42		-12897 Jul 05 j 09:35	0°♄	
	-12898 Jul 11 j 12:30	0°♄		morning set	-12897 Jul 11 j 02:49	9°♄06'42	
morning set	-12898 Jul 31 j 11:49	0°♄03'46			-12897 Jul 24 j 06:45	0°♄	
	-12898 Jul 31 j 10:51	0°♄		max. Earth dist.	-12897 Jul 26 j 07:50	3°♄14'12	1.44550 AU
max. Earth dist.	-12898 Aug 12 j 16:12	19°♄14'45	1.44010 AU				
desc. node	-12898 Aug 15 j 13:08	23°♄50'55		superior conj	-12897 Jul 27 j 02:40	4°♄28'47	0°36'36
				minimum elong	-12897 Jul 27 j 06:57	4°♄45'42	0°36'36
superior conj	-12898 Aug 16 j 21:15	26°♄00'29	-0°07'58	desc. node	-12897 Aug 02 j 10:33	14°♄31'51	
minimum elong	-12898 Aug 16 j 20:28	25°♄57'17	0°07'10	evening rise	-12897 Aug 11 j 19:42	29°♄36'11	
behind sun begin	-12898 Aug 16 j 10:45	25°♄18'02			-12897 Aug 12 j 01:35	0°♄	
behind sun end	-12898 Aug 17 j 06:11	26°♄36'37			-12897 Sep 01 j 03:11	0°♄	
	-12898 Aug 19 j 08:15	0°♄		evening max el	-12897 Sep 01 j 09:37	0°♄16'42	18°45'58
evening rise	-12898 Aug 30 j 16:47	18°♄54'53		retrograde	-12897 Sep 08 j 03:58	4°♄03'50	
	-12898 Sep 06 j 06:12	0°♄		evening set	-12897 Sep 11 j 03:46	3°♄13'27	
evening max el	-12898 Sep 17 j 20:46	16°♄46'38	18°17'32	asc. node	-12897 Sep 11 j 01:18	3°♄16'49	
retrograde	-12898 Sep 24 j 11:29	20°♄22'25			-12897 Sep 14 j 22:45	30°♄	
asc. node	-12898 Sep 24 j 04:16	20°♄21'56		inferior conj	-12897 Sep 17 j 02:21	27°♄30'30	1°48'44
evening set	-12898 Sep 27 j 04:42	19°♄43'36		minimum elong	-12897 Sep 16 j 23:51	27°♄37'59	1°48'43
inferior conj	-12898 Oct 03 j 12:26	14°♄15'29	2°39'31	min. Earth dist.	-12897 Sep 18 j 19:18	25°♄27'34	0.64984 AU
minimum elong	-12898 Oct 03 j 08:57	14°♄25'03	2°39'19	morning rise	-12897 Sep 22 j 19:22	21°♄18'53	
min. Earth dist.	-12898 Oct 05 j 17:59	11°♄48'26	0.63667 AU	direct	-12897 Sep 29 j 08:04	18°♄37'15	
morning rise	-12898 Oct 09 j 12:21	8°♄14'42		morning max el	-12897 Oct 12 j 09:21	26°♄05'50	26°50'39
direct	-12898 Oct 16 j 10:17	5°♄33'03			-12897 Oct 16 j 01:40	0°♄	
morning max el	-12898 Oct 29 j 23:12	13°♄05'12	27°26'36				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12897 Oct 29 j 09:30	17° \mathfrak{C} 36'49			desc. node	-12896 Oct 10 j 06:45	0° \mathfrak{C}	
	-12897 Nov 06 j 06:17	0° \mathfrak{Q}			desc. node	-12896 Oct 15 j 06:17	7° \mathfrak{C} 27'22	
morning set	-12897 Nov 16 j 22:39	19° \mathfrak{Q} 04'43				-12896 Oct 28 j 17:54	0° \mathfrak{Q}	
max. Earth dist.	-12897 Nov 21 j 11:06	27° \mathfrak{Q} 57'11	1.34771 AU		morning set	-12896 Oct 29 j 19:53	1° \mathfrak{Q} 58'04	
	-12897 Nov 22 j 11:23	0° \mathfrak{M}			max. Earth dist.	-12896 Nov 02 j 20:05	9° \mathfrak{Q} 27'59	1.36254 AU
superior conj	-12897 Nov 25 j 08:44	5° \mathfrak{M} 57'01	-1°29'33		superior conj	-12896 Nov 08 j 05:14	20° \mathfrak{Q} 02'15	-1°35'39
minimum elong	-12897 Nov 25 j 10:11	6° \mathfrak{M} 04'33	1°29'07		minimum elong	-12896 Nov 08 j 05:42	20° \mathfrak{Q} 04'35	1°35'06
evening rise	-12897 Dec 02 j 18:23	21° \mathfrak{M} 28'24				-12896 Nov 13 j 02:32	0° \mathfrak{M}	
	-12897 Dec 06 j 23:48	0° \mathfrak{L}			evening rise	-12896 Nov 16 j 01:12	6° \mathfrak{M} 01'44	
asc. node	-12897 Dec 07 j 23:23	1° \mathfrak{L} 53'33			asc. node	-12896 Nov 23 j 20:47	21° \mathfrak{M} 02'36	
evening max el	-12897 Dec 22 j 22:40	23° \mathfrak{L} 40'01	21°25'07			-12896 Nov 29 j 15:20	0° \mathfrak{L}	
retrograde	-12896 Jan 03 j 16:20	29° \mathfrak{L} 11'39			evening max el	-12896 Dec 04 j 05:44	5° \mathfrak{L} 14'59	20°07'15
evening set	-12896 Jan 06 j 14:26	28° \mathfrak{L} 52'16			retrograde	-12896 Dec 14 j 09:52	10° \mathfrak{L} 01'44	
inferior conj	-12896 Jan 15 j 13:26	24° \mathfrak{L} 52'01	2°25'08		evening set	-12896 Dec 17 j 01:10	9° \mathfrak{L} 43'54	
minimum elong	-12896 Jan 15 j 18:50	24° \mathfrak{L} 44'17	2°23'18		inferior conj	-12896 Dec 25 j 15:02	5° \mathfrak{L} 41'52	3°39'10
min. Earth dist.	-12896 Jan 16 j 02:27	24° \mathfrak{L} 33'22	0.55506 AU		minimum elong	-12896 Dec 25 j 20:06	5° \mathfrak{L} 34'06	3°38'13
morning rise	-12896 Jan 24 j 22:35	20° \mathfrak{L} 40'23			min. Earth dist.	-12896 Dec 27 j 15:29	4° \mathfrak{L} 27'54	0.56163 AU
desc. node	-12896 Jan 25 j 11:53	20° \mathfrak{L} 34'05			morning rise	-12895 Jan 03 j 13:15	1° \mathfrak{L} 10'38	
direct	-12896 Jan 27 j 19:07	20° \mathfrak{L} 22'11			direct	-12895 Jan 07 j 14:14	0° \mathfrak{L} 34'30	
morning max el	-12896 Feb 09 j 10:26	26° \mathfrak{L} 30'41	22°02'37		desc. node	-12895 Jan 11 j 08:30	1° \mathfrak{L} 06'47	
	-12896 Feb 12 j 17:01	0° \mathfrak{M}			morning max el	-12895 Jan 21 j 04:14	7° \mathfrak{L} 19'32	23°38'18
	-12896 Mar 01 j 11:31	0° \mathfrak{J}				-12895 Feb 06 j 08:15	0° \mathfrak{M}	
morning set	-12896 Mar 01 j 12:40	0° \mathfrak{J} 05'54			morning set	-12895 Feb 14 j 00:42	15° \mathfrak{M} 08'05	
asc. node	-12896 Mar 04 j 20:44	7° \mathfrak{J} 05'57			asc. node	-12895 Feb 19 j 17:58	27° \mathfrak{M} 20'43	
						-12895 Feb 20 j 23:38	0° \mathfrak{J}	
superior conj	-12896 Mar 08 j 20:30	15° \mathfrak{J} 30'59	0°36'13		superior conj	-12895 Feb 21 j 02:36	0° \mathfrak{J} 15'54	0°12'40
minimum elong	-12896 Mar 08 j 18:58	15° \mathfrak{J} 22'56	0°35'07		minimum elong	-12895 Feb 21 j 02:05	0° \mathfrak{J} 13'10	0°11'50
max. Earth dist.	-12896 Mar 12 j 01:48	22° \mathfrak{J} 11'15	1.34596 AU		behind sun begin	-12895 Feb 20 j 22:38	29° \mathfrak{M} 54'36	
	-12896 Mar 15 j 23:25	0° \mathfrak{Z}			behind sun end	-12895 Feb 21 j 05:33	0° \mathfrak{J} 31'43	
evening rise	-12896 Mar 17 j 00:13	2° \mathfrak{Z} 00'38			max. Earth dist.	-12895 Feb 23 j 04:40	4° \mathfrak{J} 42'33	1.33665 AU
	-12896 Apr 02 j 02:41	0° \mathfrak{A}			evening rise	-12895 Feb 28 j 18:09	16° \mathfrak{J} 10'10	
evening max el	-12896 Apr 20 j 19:35	24° \mathfrak{A} 13'30	27°06'57			-12895 Mar 08 j 01:09	0° \mathfrak{Z}	
desc. node	-12896 Apr 22 j 11:53	25° \mathfrak{A} 48'29				-12895 Mar 27 j 18:22	0° \mathfrak{A}	
	-12896 Apr 28 j 03:46	0° \mathfrak{H}			evening max el	-12895 Apr 03 j 05:52	7° \mathfrak{A} 10'45	27°27'16
retrograde	-12896 May 04 j 04:06	1° \mathfrak{H} 46'47			desc. node	-12895 Apr 09 j 09:10	12° \mathfrak{A} 10'43	
	-12896 May 09 j 15:35	30° \mathfrak{R}			retrograde	-12895 Apr 17 j 00:01	14° \mathfrak{A} 46'02	
evening set	-12896 May 10 j 23:03	29° \mathfrak{A} 01'54			evening set	-12895 Apr 23 j 22:00	12° \mathfrak{A} 13'30	
min. Earth dist.	-12896 May 14 j 18:13	25° \mathfrak{A} 15'10	0.64813 AU		min. Earth dist.	-12895 Apr 27 j 14:20	8° \mathfrak{A} 57'34	0.63269 AU
inferior conj	-12896 May 16 j 19:58	22° \mathfrak{A} 51'22	-3°14'36		inferior conj	-12895 Apr 30 j 06:27	6° \mathfrak{A} 10'30	-3°21'06
minimum elong	-12896 May 16 j 21:16	22° \mathfrak{A} 47'35	3°15'00		minimum elong	-12895 Apr 30 j 06:31	6° \mathfrak{A} 10'20	3°21'47
morning rise	-12896 May 22 j 19:57	17° \mathfrak{A} 17'23			morning rise	-12895 May 06 j 16:03	0° \mathfrak{A} 53'59	
direct	-12896 May 25 j 20:03	16° \mathfrak{A} 28'08			direct	-12895 May 09 j 10:52	0° \mathfrak{A} 15'29	
asc. node	-12896 May 31 j 20:55	19° \mathfrak{A} 31'37			morning max el	-12895 May 15 j 22:46	3° \mathfrak{A} 38'33	18°05'48
morning max el	-12896 Jun 01 j 09:18	20° \mathfrak{A} 01'55	18°25'31		asc. node	-12895 May 18 j 17:39	6° \mathfrak{A} 50'08	
	-12896 Jun 08 j 22:11	0° \mathfrak{H}			morning set	-12895 Jun 02 j 08:28	0° \mathfrak{H} 30'54	
morning set	-12896 Jun 20 j 17:12	19° \mathfrak{H} 13'55				-12895 Jun 02 j 01:20	0° \mathfrak{H}	
	-12896 Jun 27 j 06:10	0° \mathfrak{Y}						
superior conj	-12896 Jul 05 j 04:08	12° \mathfrak{Y} 46'50	1°15'47		superior conj	-12895 Jun 14 j 22:43	21° \mathfrak{H} 55'17	1°40'23
minimum elong	-12896 Jul 05 j 10:43	13° \mathfrak{Y} 13'08	1°15'22		minimum elong	-12895 Jun 15 j 02:50	22° \mathfrak{H} 12'19	1°40'03
max. Earth dist.	-12896 Jul 08 j 00:08	17° \mathfrak{Y} 17'42	1.44389 AU			-12895 Jun 19 j 21:21	0° \mathfrak{Y}	
	-12896 Jul 16 j 01:14	0° \mathfrak{Z}			max. Earth dist.	-12895 Jun 20 j 14:11	1° \mathfrak{Y} 07'57	1.43552 AU
desc. node	-12896 Jul 19 j 08:03	5° \mathfrak{Z} 09'21			evening rise	-12895 Jun 30 j 21:58	17° \mathfrak{Y} 27'37	
evening rise	-12896 Jul 21 j 19:01	9° \mathfrak{Z} 00'25			desc. node	-12895 Jul 06 j 05:37	25° \mathfrak{Y} 39'59	
greatest brilliancy	-12896 Aug 01 j 03:13	25° \mathfrak{Z} 05'59	-0.7m			-12895 Jul 09 j 01:51	0° \mathfrak{Z}	
	-12896 Aug 04 j 08:46	0° \mathfrak{I}			evening max el	-12895 Jul 28 j 22:01	27° \mathfrak{Z} 15'42	20°30'56
evening max el	-12896 Aug 14 j 18:47	13° \mathfrak{I} 47'38	19°30'57			-12895 Aug 01 j 00:24	0° \mathfrak{I}	
retrograde	-12896 Aug 21 j 23:43	17° \mathfrak{I} 55'15			retrograde	-12895 Aug 05 j 20:27	1° \mathfrak{I} 53'26	
evening set	-12896 Aug 25 j 08:23	16° \mathfrak{I} 49'48			evening set	-12895 Aug 09 j 16:05	0° \mathfrak{I} 29'45	
asc. node	-12896 Aug 27 j 22:15	14° \mathfrak{I} 35'37				-12895 Aug 10 j 07:08	30° \mathfrak{R}	
inferior conj	-12896 Aug 30 j 23:34	10° \mathfrak{I} 54'54	0°56'30		asc. node	-12895 Aug 14 j 19:09	24° \mathfrak{Z} 48'04	
minimum elong	-12896 Aug 30 j 22:16	10° \mathfrak{I} 59'03	0°56'48		inferior conj	-12895 Aug 15 j 01:47	24° \mathfrak{Z} 25'42	0°05'09
min. Earth dist.	-12896 Sep 01 j 04:32	9° \mathfrak{I} 21'50	0.65997 AU		minimum elong	-12895 Aug 15 j 01:40	24° \mathfrak{Z} 26'08	0°05'48
morning rise	-12896 Sep 05 j 11:49	4° \mathfrak{I} 36'25			transit middle	-12895 Aug 15 j 01:40	24° \mathfrak{Z} 26'08	0°05'48
direct	-12896 Sep 11 j 11:44	2° \mathfrak{I} 04'05			transit begin	-12895 Aug 14 j 23:06	24° \mathfrak{Z} 34'46	
morning max el	-12896 Sep 23 j 19:30	9° \mathfrak{I} 17'52	25°50'32		transit end	-12895 Aug 15 j 04:14	24° \mathfrak{Z} 17'30	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12895 Aug 15 j 19:36	23°  25'45	0.66708 AU	asc. node	-12894 Aug 01 j 15:57	4°  49'53	
morning rise	-12895 Aug 20 j 11:03	18°  04'13		morning rise	-12894 Aug 04 j 14:55	1°  40'13	
direct	-12895 Aug 25 j 20:48	15°  46'54			-12894 Aug 07 j 10:59	30°  R  Y	
morning max el	-12895 Sep 06 j 05:27	22°  33'50	24°34'27	direct	-12894 Aug 09 j 10:45	29°  Y40'22	
	-12895 Sep 12 j 18:25	0°  II			-12894 Aug 11 j 12:53	0°  8	
desc. node	-12895 Oct 02 j 03:09	27°  II38'16		morning max el	-12894 Aug 19 j 16:28	5°  850'22	23°11'12
	-12895 Oct 03 j 14:46	0°  ☿			-12894 Sep 07 j 05:50	0°  II	
morning set	-12895 Oct 11 j 21:36	13°  ☿49'53		desc. node	-12894 Sep 19 j 00:10	18°  II03'31	
max. Earth dist.	-12895 Oct 15 j 21:24	20°  ☿54'52	1.38079 AU	morning set	-12894 Sep 22 j 22:55	24°  II29'06	
	-12895 Oct 20 j 18:59	0°  ♁			-12894 Sep 26 j 05:55	0°  ☿	
				max. Earth dist.	-12894 Sep 27 j 20:48	2°  ☿46'15	1.40053 AU
superior conj	-12895 Oct 22 j 15:01	3°  ♁30'32	-1°34'50				
minimum elong	-12895 Oct 22 j 13:59	3°  ♁25'35	1°34'05	superior conj	-12894 Oct 05 j 09:37	16°  ☿09'48	-1°25'07
evening rise	-12895 Oct 31 j 02:52	20°  ♁14'39		minimum elong	-12894 Oct 05 j 06:52	15°  ☿57'09	1°24'05
	-12895 Nov 05 j 03:54	0°  ♊			-12894 Oct 12 j 18:25	0°  ♁	
asc. node	-12895 Nov 10 j 18:11	9°  ♊35'36		evening rise	-12894 Oct 14 j 20:47	4°  ♁00'42	
evening max el	-12895 Nov 16 j 23:02	17°  ♊23'20	19°07'38	asc. node	-12894 Oct 28 j 15:30	27°  ♁21'12	
retrograde	-12895 Nov 25 j 17:08	21°  ♊34'33		evening max el	-12894 Oct 31 j 01:37	0°  ♊02'34	18°28'17
evening set	-12895 Nov 28 j 05:11	21°  ♊15'31			-12894 Oct 31 j 00:34	0°  ♊	
inferior conj	-12895 Dec 06 j 07:07	16°  ♊58'42	4°13'58	retrograde	-12894 Nov 07 j 17:56	3°  ♊50'01	
minimum elong	-12895 Dec 06 j 08:41	16°  ♊55'57	4°14'05	evening set	-12894 Nov 10 j 04:45	3°  ♊28'04	
min. Earth dist.	-12895 Dec 09 j 05:07	14°  ♊57'46	0.57494 AU		-12894 Nov 16 j 07:06	30°  R♁	
morning rise	-12895 Dec 14 j 10:13	12°  ♊03'32		inferior conj	-12894 Nov 17 j 18:11	28°  ♁50'58	4°13'05
direct	-12895 Dec 19 j 19:20	10°  ♊56'02		minimum elong	-12894 Nov 17 j 16:20	28°  ♁54'41	4°13'23
desc. node	-12895 Dec 29 j 05:03	14°  ♊16'17		min. Earth dist.	-12894 Nov 20 j 22:38	26°  ♁18'46	0.59226 AU
morning max el	-12894 Jan 02 j 18:55	18°  ♊02'10	25°12'29	morning rise	-12894 Nov 25 j 02:08	23°  ♁33'42	
	-12894 Jan 12 j 16:59	0°  ♋		direct	-12894 Dec 01 j 12:12	21°  ♁48'38	
	-12894 Jan 29 j 10:41	0°  ♋		morning max el	-12894 Dec 15 j 12:54	29°  ♁06'16	26°29'59
morning set	-12894 Jan 29 j 13:12	0°  ♋13'14		desc. node	-12894 Dec 16 j 01:36	29°  ♁37'01	
					-12894 Dec 16 j 10:51	0°  ♊	
superior conj	-12894 Feb 05 j 12:23	15°  ♋13'25	-0°10'28		-12893 Jan 06 j 06:42	0°  ♋	
minimum elong	-12894 Feb 05 j 12:50	15°  ♋15'51	0°10'59	morning set	-12893 Jan 14 j 00:22	15°  ♋14'31	
behind sun begin	-12894 Feb 05 j 09:11	14°  ♋56'02			-12893 Jan 20 j 20:54	0°  ♋	
behind sun end	-12894 Feb 05 j 16:29	15°  ♋35'40					
max. Earth dist.	-12894 Feb 06 j 14:23	17°  ♋34'21	1.33068 AU	superior conj	-12893 Jan 21 j 00:01	0°  ♋16'58	-0°32'22
asc. node	-12894 Feb 06 j 15:16	17°  ♋39'12		minimum elong	-12893 Jan 21 j 01:15	0°  ♋23'44	0°32'34
	-12894 Feb 12 j 11:15	0°  ♌		max. Earth dist.	-12893 Jan 21 j 03:20	0°  ♋35'08	1.32798 AU
evening rise	-12894 Feb 12 j 19:47	0°  ♌43'43		asc. node	-12893 Jan 24 j 12:38	7°  ♋57'05	
	-12894 Mar 01 j 02:51	0°  ♌		evening rise	-12893 Jan 28 j 02:34	15°  ♋32'34	
evening max el	-12894 Mar 16 j 12:55	19°  ♌38'09	27°15'46		-12893 Feb 04 j 11:21	0°  ♌	
desc. node	-12894 Mar 27 j 06:20	26°  ♌41'18			-12893 Feb 25 j 03:08	0°  ♌	
retrograde	-12894 Mar 30 j 13:06	27°  ♌10'10		evening max el	-12893 Feb 26 j 14:57	1°  ♌29'08	26°31'49
evening set	-12894 Apr 06 j 05:45	25°  ♌02'16		retrograde	-12893 Mar 12 j 18:02	8°  ♌52'42	
min. Earth dist.	-12894 Apr 10 j 01:22	22°  ♌05'50	0.61416 AU	desc. node	-12893 Mar 14 j 03:22	8°  ♌47'43	
inferior conj	-12894 Apr 13 j 05:06	19°  ♌11'37	-3°11'08	evening set	-12893 Mar 18 j 19:34	7°  ♌18'07	
minimum elong	-12894 Apr 13 j 03:32	19°  ♌15'17	3°11'48	min. Earth dist.	-12893 Mar 23 j 04:24	4°  ♌26'43	0.59430 AU
morning rise	-12894 Apr 20 j 03:13	14°  ♌14'21		inferior conj	-12893 Mar 26 j 12:19	1°  ♌46'45	-2°39'14
direct	-12894 Apr 22 j 17:15	13°  ♌45'18		minimum elong	-12893 Mar 26 j 09:16	1°  ♌52'54	2°39'32
morning max el	-12894 Apr 29 j 12:26	17°  ♌09'27	18°04'30		-12893 Mar 28 j 19:14	30°  R♌	
asc. node	-12894 May 05 j 14:28	25°  ♌00'01		morning rise	-12893 Apr 03 j 01:52	27°  ♌09'17	
	-12894 May 08 j 16:05	0°  ♍		direct	-12893 Apr 05 j 11:10	26°  ♌48'16	
morning set	-12894 May 15 j 20:57	12°  ♍49'32			-12893 Apr 12 j 11:55	0°  ♌	
	-12894 May 25 j 11:07	0°  ♍		morning max el	-12893 Apr 12 j 23:28	0°  ♌26'50	18°22'06
				asc. node	-12893 Apr 22 j 11:20	13°  ♌49'33	
superior conj	-12894 May 26 j 19:52	2°  ♍22'26	1°48'46	morning set	-12893 Apr 29 j 01:54	25°  ♌58'57	
minimum elong	-12894 May 26 j 20:12	2°  ♍23'51	1°48'23		-12893 May 01 j 04:48	0°  ♍	
max. Earth dist.	-12894 Jun 02 j 22:57	14°  ♍26'20	1.42152 AU				
evening rise	-12894 Jun 10 j 00:59	25°  ♍54'52		superior conj	-12893 May 08 j 18:07	14°  ♍05'03	1°44'08
	-12894 Jun 12 j 15:12	0°  ♎		minimum elong	-12893 May 08 j 15:57	13°  ♍55'12	1°43'26
desc. node	-12894 Jun 23 j 03:14	15°  ♎59'32		max. Earth dist.	-12893 May 16 j 01:34	27°  ♍01'31	1.40396 AU
	-12894 Jul 02 j 23:26	0°  ♏			-12893 May 17 j 19:25	0°  ♏	
evening max el	-12894 Jul 11 j 18:09	10°  ♏38'56	21°43'29	evening rise	-12893 May 21 j 00:35	5°  ♏22'36	
retrograde	-12894 Jul 20 j 16:21	15°  ♏55'31			-12893 Jun 05 j 20:07	0°  ♎	
evening set	-12894 Jul 25 j 00:46	14°  ♏11'18		desc. node	-12893 Jun 10 j 00:51	6°  ♎02'17	
inferior conj	-12894 Jul 30 j 07:01	8°  ♏00'51	-0°43'32	evening max el	-12893 Jun 24 j 07:58	23°  ♎58'11	23°04'15
minimum elong	-12894 Jul 30 j 07:53	7°  ♏57'50	0°42'41	retrograde	-12893 Jul 04 j 09:53	29°  ♎57'38	
min. Earth dist.	-12894 Jul 30 j 14:12	7°  ♏36'03	0.67120 AU	evening set	-12893 Jul 09 j 08:24	27°  ♎52'13	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12893 Jul 14 j 13:21	21° Υ 37'55	-1°28'15	minimum elong	-12892 Jun 27 j 21:11	5° Υ 08'55	2°06'58
minimum elong	-12893 Jul 14 j 15:00	21° Υ 32'14	1°27'22		-12892 Jul 02 j 04:20	30° \Re	
min. Earth dist.	-12893 Jul 14 j 09:52	21° Υ 49'58	0.67237 AU	morning rise	-12892 Jul 03 j 05:12	29° \Re 08'04	
morning rise	-12893 Jul 19 j 21:31	15° Υ 21'50		asc. node	-12892 Jul 05 j 09:25	27° \Re 58'44	
asc. node	-12893 Jul 19 j 12:42	15° Υ 40'12		direct	-12892 Jul 07 j 01:28	27° \Re 42'59	
direct	-12893 Jul 24 j 04:42	13° Υ 39'51			-12892 Jul 12 j 09:51	0° Υ	
morning max el	-12893 Aug 02 j 06:51	19° Υ 07'22	21°48'51	morning max el	-12892 Jul 15 j 02:54	2° Υ 29'00	20°34'09
	-12893 Aug 11 j 04:08	0° \Re			-12892 Aug 04 j 01:13	0° \Re	
	-12893 Aug 31 j 11:02	0° Π		morning set	-12892 Aug 12 j 03:53	12° \Re 29'01	
morning set	-12893 Sep 02 j 22:17	3° Π 53'33		max. Earth dist.	-12892 Aug 22 j 09:04	28° \Re 38'46	1.43409 AU
desc. node	-12893 Sep 05 j 21:17	8° Π 37'38		desc. node	-12892 Aug 22 j 18:32	29° \Re 16'54	
max. Earth dist.	-12893 Sep 09 j 23:47	15° Π 20'00	1.41916 AU		-12892 Aug 23 j 05:12	0° Π	
superior conj	-12893 Sep 17 j 07:26	27° Π 44'38	-1°04'23	superior conj	-12892 Aug 28 j 03:06	8° Π 01'59	-0°31'37
minimum elong	-12893 Sep 17 j 03:31	27° Π 27'40	1°03'09	minimum elong	-12892 Aug 28 j 00:13	7° Π 50'02	0°30'28
	-12893 Sep 18 j 14:27	0° \Re		evening rise	-12892 Sep 09 j 18:22	29° Π 33'34	
evening rise	-12893 Sep 28 j 03:27	17° \Re 10'31			-12892 Sep 10 j 00:27	0° \Re	
	-12893 Oct 05 j 06:43	0° Ω		evening max el	-12892 Sep 27 j 00:03	26° \Re 23'35	18°09'12
evening max el	-12893 Oct 14 j 10:58	13° Ω 05'12	18°09'06	asc. node	-12892 Oct 01 j 09:55	29° \Re 30'59	
asc. node	-12893 Oct 15 j 12:45	14° Ω 05'00		retrograde	-12892 Oct 03 j 15:39	29° \Re 56'11	
retrograde	-12893 Oct 21 j 10:37	16° Ω 40'10		evening set	-12892 Oct 06 j 06:18	29° \Re 22'25	
evening set	-12893 Oct 23 j 22:18	16° Ω 13'25		inferior conj	-12892 Oct 12 j 20:01	24° \Re 04'17	3°06'45
inferior conj	-12893 Oct 30 j 23:28	11° Ω 15'05	3°47'20	minimum elong	-12892 Oct 12 j 16:12	24° \Re 14'10	3°06'33
minimum elong	-12893 Oct 30 j 19:51	11° Ω 23'21	3°47'21	min. Earth dist.	-12892 Oct 15 j 08:44	21° \Re 27'40	0.62790 AU
min. Earth dist.	-12893 Nov 02 j 23:04	8° Ω 31'38	0.61068 AU	morning rise	-12892 Oct 19 j 01:06	18° \Re 11'50	
morning rise	-12893 Nov 06 j 16:02	5° Ω 38'52		direct	-12892 Oct 26 j 02:01	15° \Re 35'28	
direct	-12893 Nov 13 j 15:08	3° Ω 21'52		morning max el	-12892 Nov 08 j 18:51	23° \Re 05'14	27°33'33
morning max el	-12893 Nov 27 j 13:02	10° Ω 46'44	27°18'50		-12892 Nov 15 j 01:42	0° Ω	
desc. node	-12893 Dec 02 j 22:07	16° Ω 35'45		desc. node	-12892 Nov 18 j 18:40	4° Ω 45'04	
	-12893 Dec 12 j 16:39	0° Π			-12892 Dec 04 j 19:23	0° Π	
morning set	-12893 Dec 29 j 08:15	0° \Re 04'43		morning set	-12892 Dec 12 j 10:36	14° Π 35'33	
	-12893 Dec 29 j 07:21	0° \Re		max. Earth dist.	-12892 Dec 18 j 00:53	26° Π 14'17	1.33290 AU
max. Earth dist.	-12892 Jan 04 j 16:03	13° \Re 32'40	1.32862 AU	superior conj	-12892 Dec 19 j 22:00	0° \Re 16'32	-1°09'41
superior conj	-12892 Jan 05 j 11:48	15° \Re 20'14	-0°52'20	minimum elong	-12892 Dec 19 j 23:59	0° \Re 27'12	1°09'26
minimum elong	-12892 Jan 05 j 13:34	15° \Re 29'53	0°52'17		-12892 Dec 19 j 18:56	0° \Re	
asc. node	-12892 Jan 11 j 10:02	28° \Re 10'03		evening rise	-12892 Dec 26 j 23:37	15° \Re 27'19	
	-12892 Jan 12 j 06:50	0° Π		asc. node	-12892 Dec 28 j 07:27	18° \Re 13'04	
evening rise	-12892 Jan 12 j 12:26	0° Π 29'22			-12891 Jan 03 j 08:05	0° Π	
	-12892 Jan 28 j 22:46	0° \Re		evening max el	-12891 Jan 20 j 05:13	23° Π 40'54	23°50'22
evening max el	-12892 Feb 08 j 11:45	12° \Re 46'10	25°20'03		-12891 Jan 30 j 19:42	0° \Re	
retrograde	-12892 Feb 22 j 12:30	19° \Re 52'59		retrograde	-12891 Feb 02 j 18:06	0° \Re 19'31	
evening set	-12892 Feb 27 j 14:57	18° \Re 51'57			-12891 Feb 05 j 17:10	30° \Re	
desc. node	-12892 Feb 29 j 00:16	18° \Re 15'27		evening set	-12891 Feb 06 j 19:36	29° Π 43'08	
min. Earth dist.	-12892 Mar 04 j 01:30	15° \Re 52'14	0.57582 AU	min. Earth dist.	-12891 Feb 13 j 18:31	26° Π 23'51	0.56187 AU
inferior conj	-12892 Mar 07 j 00:55	13° \Re 48'23	-1°40'04	desc. node	-12891 Feb 14 j 21:03	25° Π 43'23	
minimum elong	-12892 Mar 06 j 21:49	13° \Re 53'48	1°40'03	inferior conj	-12891 Feb 15 j 17:53	25° Π 11'23	-0°13'06
morning rise	-12892 Mar 15 j 07:56	9° \Re 29'06		minimum elong	-12891 Feb 15 j 17:20	25° Π 12'14	0°13'37
direct	-12892 Mar 17 j 12:55	9° \Re 14'05		transit middle	-12891 Feb 15 j 17:20	25° Π 12'14	0°13'37
morning max el	-12892 Mar 26 j 04:50	13° \Re 21'38	18°59'11	transit begin	-12891 Feb 15 j 15:18	25° Π 15'20	
	-12892 Apr 06 j 15:34	0° \Re		transit end	-12891 Feb 15 j 19:21	25° Π 09'07	
asc. node	-12892 Apr 08 j 08:17	3° \Re 09'44		morning rise	-12891 Feb 24 j 17:31	21° Π 05'06	
morning set	-12892 Apr 11 j 19:03	9° \Re 49'16		direct	-12891 Feb 26 j 20:59	20° Π 53'07	
				morning max el	-12891 Mar 09 j 01:25	25° Π 43'04	19°56'06
superior conj	-12892 Apr 20 j 12:22	26° \Re 50'18	1°30'38		-12891 Mar 12 j 21:24	0° \Re	
minimum elong	-12892 Apr 20 j 09:19	26° \Re 35'43	1°29'35	asc. node	-12891 Mar 26 j 05:18	22° \Re 52'20	
	-12892 Apr 22 j 04:21	0° \approx		morning set	-12891 Mar 26 j 20:45	24° \Re 09'53	
max. Earth dist.	-12892 Apr 27 j 01:39	9° \approx 00'40	1.38530 AU		-12891 Mar 29 j 17:53	0° \Re	
evening rise	-12892 May 01 j 03:53	16° \approx 14'35		superior conj	-12891 Apr 03 j 21:23	10° \Re 23'04	1°11'38
	-12892 May 09 j 10:10	0° \Re		minimum elong	-12891 Apr 03 j 18:31	10° \Re 08'49	1°10'24
desc. node	-12892 May 26 j 22:25	25° \Re 41'26		max. Earth dist.	-12891 Apr 09 j 04:49	20° \Re 43'14	1.36776 AU
	-12892 May 30 j 07:20	0° Υ		evening rise	-12891 Apr 13 j 07:35	28° \Re 21'46	
evening max el	-12892 Jun 05 j 18:18	7° Υ 18'01	24°26'33		-12891 Apr 14 j 05:21	0° \approx	
retrograde	-12892 Jun 16 j 23:55	13° Υ 56'58			-12891 May 02 j 17:28	0° \Re	
evening set	-12892 Jun 22 j 13:07	11° Υ 31'56		desc. node	-12891 May 13 j 19:55	14° \Re 46'57	
min. Earth dist.	-12892 Jun 27 j 04:12	6° Υ 06'25	0.67039 AU	evening max el	-12891 May 19 j 03:59	20° \Re 39'17	25°42'07
inferior conj	-12892 Jun 27 j 19:06	5° Υ 16'00	-2°07'40				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12891 May 31 j 09:40	27° H 48'30		desc. node	-12890 Apr 30 j 17:21	3° H 05'15	
evening set	-12891 Jun 06 j 12:51	25° H 08'32		evening max el	-12890 May 01 j 14:22	3° H 58'07	26°42'19
min. Earth dist.	-12891 Jun 10 j 18:51	20° H 22'12	0.66486 AU	retrograde	-12890 May 14 j 14:40	11° H 26'07	
inferior conj	-12891 Jun 11 j 22:21	18° H 53'01	-2°40'29	evening set	-12890 May 21 j 05:14	8° H 39'30	
minimum elong	-12891 Jun 12 j 00:31	18° H 45'59	2°40'09	min. Earth dist.	-12890 May 25 j 03:36	4° H 32'14	0.65541 AU
morning rise	-12891 Jun 17 j 12:13	12° H 56'22		inferior conj	-12890 May 26 j 21:05	2° H 26'25	-3°05'03
direct	-12891 Jun 20 j 23:22	11° H 46'41		minimum elong	-12890 May 26 j 22:52	2° H 21'01	3°05'12
asc. node	-12891 Jun 22 j 06:07	11° H 55'47			-12890 May 28 j 23:00	30° R \approx	
morning max el	-12891 Jun 28 j 05:29	15° H 57'23	19°31'53	morning rise	-12890 Jun 01 j 16:45	26° \approx 43'44	
	-12891 Jul 08 j 19:00	0° Y		direct	-12890 Jun 04 j 20:27	25° \approx 47'38	
morning set	-12891 Jul 22 j 10:11	21° Y 07'46		asc. node	-12890 Jun 09 j 02:50	27° \approx 23'15	
	-12891 Jul 28 j 01:43	0° B		morning max el	-12890 Jun 11 j 13:51	29° \approx 32'00	18°44'54
max. Earth dist.	-12891 Aug 04 j 23:39	12° B 30'06	1.44328 AU		-12890 Jun 12 j 00:36	0° H	
				morning set	-12890 Jul 02 j 10:22	0° Y 35'52	
superior conj	-12891 Aug 07 j 19:50	17° B 01'41	0°10'52		-12890 Jul 02 j 01:31	0° Y	
minimum elong	-12891 Aug 07 j 21:10	17° B 07'00	0°11'20	superior conj	-12890 Jul 17 j 20:41	25° Y 16'56	0°54'37
behind sun begin	-12891 Aug 07 j 13:04	16° B 34'40		minimum elong	-12890 Jul 18 j 02:33	25° Y 40'12	0°54'20
behind sun end	-12891 Aug 08 j 05:15	17° B 39'21		max. Earth dist.	-12890 Jul 18 j 16:18	26° Y 34'37	1.44565 AU
desc. node	-12891 Aug 09 j 15:54	19° B 58'05			-12890 Jul 20 j 20:13	0° B	
	-12891 Aug 15 j 20:40	0° II		desc. node	-12890 Jul 27 j 13:22	10° B 37'44	
evening rise	-12891 Aug 22 j 12:04	10° II 56'24		evening rise	-12890 Aug 03 j 03:16	21° B 04'58	
	-12891 Sep 03 j 04:03	0° E			-12890 Aug 08 j 17:42	0° II	
evening max el	-12891 Sep 10 j 13:48	9° E 50'59	18°27'33	evening max el	-12890 Aug 25 j 01:19	23° II 21'17	19°03'08
retrograde	-12891 Sep 17 j 05:05	13° E 30'26		retrograde	-12890 Aug 31 j 23:24	27° II 16'23	
asc. node	-12891 Sep 18 j 07:00	13° E 24'03		evening set	-12890 Sep 04 j 02:40	26° II 20'00	
evening set	-12891 Sep 20 j 00:54	12° E 46'57		asc. node	-12890 Sep 05 j 04:01	25° II 36'18	
inferior conj	-12891 Sep 26 j 04:30	7° E 11'54	2°18'22	inferior conj	-12890 Sep 09 j 21:51	20° II 31'20	1°26'37
minimum elong	-12891 Sep 28 j 01:24	7° E 20'48	2°18'12	minimum elong	-12890 Sep 09 j 19:51	20° II 37'31	1°26'43
min. Earth dist.	-12891 Sep 28 j 04:33	4° E 54'32	0.64261 AU	min. Earth dist.	-12890 Sep 11 j 09:31	18° II 40'42	0.65444 AU
morning rise	-12891 Oct 02 j 01:13	1° E 06'13		morning rise	-12890 Sep 15 j 12:35	14° II 16'08	
	-12891 Oct 03 j 14:11	30° R II		direct	-12890 Sep 21 j 19:57	11° II 37'47	
direct	-12891 Oct 08 j 19:46	28° II 23'34		morning max el	-12890 Oct 04 j 14:52	19° II 02'00	26°27'43
	-12891 Oct 14 j 12:56	0° E			-12890 Oct 14 j 01:34	0° E	
morning max el	-12891 Oct 22 j 04:18	5° E 54'35	27°14'54	desc. node	-12890 Oct 23 j 11:59	13° E 19'22	
desc. node	-12891 Nov 05 j 15:17	23° E 44'43			-12890 Nov 02 j 18:59	0° R	
	-12891 Nov 09 j 19:39	0° R		morning set	-12890 Nov 09 j 10:47	12° R 00'14	
morning set	-12891 Nov 26 j 04:41	28° R 38'10		max. Earth dist.	-12890 Nov 13 j 17:32	20° R 14'50	1.35351 AU
	-12891 Nov 26 j 21:21	0° M					
max. Earth dist.	-12891 Dec 01 j 02:22	8° M 30'17	1.34111 AU	superior conj	-12890 Nov 18 j 05:46	29° R 20'12	-1°32'53
superior conj	-12891 Dec 04 j 04:46	14° M 59'23	-1°23'33	minimum elong	-12890 Nov 18 j 06:52	29° R 25'50	1°32'24
minimum elong	-12891 Dec 04 j 06:33	15° M 08'48	1°23'10		-12890 Nov 18 j 13:31	0° M	
evening rise	-12891 Dec 11 j 10:29	0° A 20'35		evening rise	-12890 Nov 25 j 19:16	15° M 02'13	
	-12891 Dec 11 j 06:33	0° A		asc. node	-12890 Dec 02 j 02:16	27° M 25'49	
asc. node	-12891 Dec 15 j 04:52	8° A 00'44			-12890 Dec 03 j 12:25	0° A	
	-12891 Dec 28 j 17:53	0° M		evening max el	-12890 Dec 15 j 01:24	15° A 51'10	20°49'58
evening max el	-12890 Jan 01 j 23:58	4° M 35'27	22°16'13	retrograde	-12890 Dec 26 j 03:37	21° A 03'39	
retrograde	-12890 Jan 14 j 12:40	10° M 34'13		evening set	-12890 Dec 28 j 21:54	20° A 45'33	
evening set	-12890 Jan 17 j 18:22	10° M 11'07		inferior conj	-12889 Jan 06 j 17:34	16° A 46'12	3°00'55
inferior conj	-12890 Jan 26 j 19:44	6° M 03'26	1°29'12	minimum elong	-12889 Jan 06 j 23:21	16° A 37'43	2°59'19
minimum elong	-12890 Jan 26 j 23:24	5° M 58'11	1°27'34	min. Earth dist.	-12889 Jan 07 j 22:44	16° A 03'34	0.55686 AU
min. Earth dist.	-12890 Jan 26 j 09:10	6° M 18'35	0.55512 AU	morning rise	-12889 Jan 15 j 23:35	12° A 27'13	
desc. node	-12890 Feb 01 j 17:45	3° M 00'55		direct	-12889 Jan 19 j 06:37	12° A 03'19	
morning rise	-12890 Feb 05 j 05:07	1° M 58'38		desc. node	-12889 Jan 19 j 14:23	12° A 03'33	
direct	-12890 Feb 07 j 15:22	1° M 45'05		morning max el	-12889 Feb 01 j 09:48	18° A 29'31	22°42'39
morning max el	-12890 Feb 19 j 11:03	7° M 25'09	21°11'53		-12889 Feb 10 j 16:11	0° M	
	-12890 Mar 06 j 17:35	0° A		morning set	-12889 Feb 23 j 15:06	23° M 48'57	
morning set	-12890 Mar 11 j 04:12	8° A 52'19			-12889 Feb 26 j 13:29	0° A	
asc. node	-12890 Mar 13 j 02:24	12° A 51'21		asc. node	-12889 Feb 27 j 23:35	3° A 01'32	
superior conj	-12890 Mar 18 j 17:00	24° A 31'27	0°49'35	superior conj	-12889 Mar 02 j 20:01	9° A 05'22	0°26'14
minimum elong	-12890 Mar 18 j 14:54	24° A 20'39	0°48'24	minimum elong	-12889 Mar 02 j 18:55	8° A 59'32	0°25'14
	-12890 Mar 21 j 09:25	0° B		max. Earth dist.	-12889 Mar 05 j 13:15	14° A 47'37	1.34154 AU
max. Earth dist.	-12890 Mar 22 j 16:01	2° B 33'27	1.35293 AU	evening rise	-12889 Mar 10 j 17:58	25° A 18'00	
evening rise	-12890 Mar 27 j 06:00	11° B 27'59			-12889 Mar 13 j 04:23	0° B	
	-12890 Apr 06 j 16:37	0° A \approx			-12889 Mar 31 j 03:32	0° A \approx	
	-12890 Apr 27 j 20:50	0° H		evening max el	-12889 Apr 14 j 01:03	17° A 06'08	27°19'12

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12889 Apr 17 j 14:42	20° \approx 17'09			-12888 Feb 17 j 23:49	0° \approx	
retrograde	-12889 Apr 27 j 14:23	24° \approx 42'01		evening rise	-12888 Feb 22 j 15:30	9° \approx 38'50	
evening set	-12889 May 04 j 11:31	22° \approx 00'29			-12888 Mar 04 j 13:48	0° \approx	
min. Earth dist.	-12889 May 08 j 04:47	18° \approx 28'05	0.64197 AU	evening max el	-12888 Mar 26 j 10:16	29° \approx 52'04	27°26'30
inferior conj	-12889 May 10 j 12:53	15° \approx 52'29	-3°19'06		-12888 Mar 26 j 13:33	0° \approx	
minimum elong	-12889 May 10 j 13:44	15° \approx 50'08	3°19'39	desc. node	-12888 Apr 03 j 11:57	5° \approx 55'55	
morning rise	-12889 May 16 j 16:40	10° \approx 25'55		retrograde	-12888 Apr 09 j 07:48	7° \approx 27'02	
direct	-12889 May 19 j 14:18	9° \approx 41'36		evening set	-12888 Apr 16 j 04:25	5° \approx 03'46	
morning max el	-12889 May 26 j 02:09	13° \approx 09'40	18°14'56	min. Earth dist.	-12888 Apr 19 j 21:14	1° \approx 57'30	0.62503 AU
asc. node	-12889 May 26 j 23:34	14° \approx 05'59			-12888 Apr 21 j 20:51	30° \approx	
	-12889 Jun 06 j 19:48	0° \approx		inferior conj	-12888 Apr 22 j 18:47	29° \approx 05'00	-3°19'14
morning set	-12889 Jun 13 j 11:36	11° \approx 13'12		minimum elong	-12888 Apr 22 j 18:11	29° \approx 06'30	3°19'58
	-12889 Jun 24 j 18:31	0° \approx		morning rise	-12888 Apr 29 j 09:20	23° \approx 56'22	
				direct	-12888 May 02 j 01:58	23° \approx 22'09	
superior conj	-12889 Jun 27 j 03:30	3° \approx 51'19	1°28'16	morning max el	-12888 May 08 j 16:01	26° \approx 44'34	18°02'54
minimum elong	-12889 Jun 27 j 09:28	4° \approx 15'28	1°27'53		-12888 May 11 j 12:21	0° \approx	
max. Earth dist.	-12889 Jul 01 j 07:39	10° \approx 33'30	1.44104 AU	asc. node	-12888 May 12 j 20:20	1° \approx 47'53	
evening rise	-12889 Jul 13 j 16:13	0° \approx 00'11		morning set	-12888 May 25 j 12:28	22° \approx 57'37	
	-12889 Jul 13 j 16:10	0° \approx			-12888 May 29 j 12:16	0° \approx	
desc. node	-12889 Jul 14 j 10:56	1° \approx 12'59					
greatest brilliancy	-12889 Jul 26 j 02:35	19° \approx 06'09	-0.7m	superior conj	-12888 Jun 06 j 09:00	13° \approx 31'51	1°45'48
	-12889 Aug 02 j 16:05	0° \approx		minimum elong	-12888 Jun 06 j 11:27	13° \approx 42'11	1°45'29
evening max el	-12889 Aug 08 j 08:08	6° \approx 15'11	19°54'44	max. Earth dist.	-12888 Jun 12 j 19:14	24° \approx 10'13	1.43014 AU
retrograde	-12889 Aug 15 j 19:54	11° \approx 10'53			-12888 Jun 16 j 09:58	0° \approx	
evening set	-12889 Aug 19 j 08:53	9° \approx 15'14		evening rise	-12888 Jun 21 j 16:10	8° \approx 18'37	
asc. node	-12889 Aug 23 j 00:57	6° \approx 12'42		desc. node	-12888 Jun 30 j 08:34	21° \approx 39'30	
inferior conj	-12889 Aug 24 j 21:30	3° \approx 15'05	0°34'30		-12888 Jul 05 j 22:47	0° \approx	
minimum elong	-12889 Aug 24 j 20:42	4° \approx 01'41	0°34'58	evening max el	-12888 Jul 21 j 08:27	20° \approx 17'25	21°00'32
min. Earth dist.	-12889 Aug 25 j 21:40	2° \approx 13'35	0.66333 AU	retrograde	-12888 Jul 29 j 16:23	25° \approx 10'39	
	-12889 Aug 28 j 00:51	30° \approx		evening set	-12888 Aug 02 j 17:13	23° \approx 38'38	
morning rise	-12889 Aug 30 j 08:14	27° \approx 38'34		inferior conj	-12888 Aug 08 j 01:13	17° \approx 31'48	-0°15'55
direct	-12889 Sep 05 j 02:08	25° \approx 11'58		minimum elong	-12888 Aug 08 j 01:32	17° \approx 30'42	0°15'10
	-12889 Sep 14 j 15:01	0° \approx		transit middle	-12888 Aug 08 j 01:32	17° \approx 30'42	0°15'10
morning max el	-12889 Sep 17 j 00:55	2° \approx 16'38	25°19'32	transit begin	-12888 Aug 08 j 00:30	17° \approx 34'13	
	-12889 Oct 08 j 05:10	0° \approx		transit end	-12888 Aug 08 j 02:34	17° \approx 27'10	
desc. node	-12889 Oct 10 j 08:48	3° \approx 19'12		min. Earth dist.	-12888 Aug 08 j 14:34	16° \approx 46'17	0.66924 AU
morning set	-12889 Oct 23 j 00:21	24° \approx 28'56		asc. node	-12888 Aug 08 j 21:49	16° \approx 21'41	
	-12889 Oct 26 j 01:06	0° \approx		morning rise	-12888 Aug 13 j 09:42	11° \approx 10'09	
max. Earth dist.	-12889 Oct 26 j 22:16	1° \approx 38'25	1.36994 AU	direct	-12888 Aug 18 j 13:32	8° \approx 59'48	
				morning max el	-12888 Aug 29 j 10:49	15° \approx 31'55	23°59'16
superior conj	-12889 Nov 01 j 22:08	13° \approx 10'32	-1°36'17		-12888 Sep 10 j 07:29	0° \approx	
minimum elong	-12889 Nov 01 j 22:02	13° \approx 09'58	1°35'38	desc. node	-12888 Sep 26 j 05:46	23° \approx 11'24	1°31'05
evening rise	-12889 Nov 10 j 00:07	29° \approx 26'55			-12888 Sep 30 j 04:23	0° \approx	
	-12889 Nov 10 j 06:42	0° \approx		morning set	-12888 Oct 03 j 16:08	5° \approx 50'35	
asc. node	-12889 Nov 18 j 23:41	16° \approx 20'27		max. Earth dist.	-12888 Oct 07 j 21:31	13° \approx 10'25	1.38916 AU
evening max el	-12889 Nov 27 j 12:49	27° \approx 40'03	19°39'30				
	-12889 Nov 30 j 10:32	0° \approx		superior conj	-12888 Oct 15 j 02:05	26° \approx 19'44	-1°31'56
retrograde	-12889 Dec 07 j 01:49	2° \approx 10'06		minimum elong	-12888 Oct 15 j 00:19	26° \approx 11'24	1°31'05
evening set	-12889 Dec 09 j 15:16	1° \approx 52'09			-12888 Oct 17 j 00:25	0° \approx	
	-12889 Dec 14 j 07:21	30° \approx		evening rise	-12888 Oct 23 j 22:48	13° \approx 28'56	
inferior conj	-12889 Dec 18 j 00:17	27° \approx 45'19	3°58'51		-12888 Nov 01 j 21:35	0° \approx	
minimum elong	-12889 Dec 18 j 04:04	27° \approx 39'13	3°58'25	asc. node	-12888 Nov 04 j 21:02	4° \approx 34'48	
min. Earth dist.	-12889 Dec 20 j 12:04	26° \approx 09'32	0.56659 AU	evening max el	-12888 Nov 09 j 10:24	10° \approx 02'43	18°48'27
morning rise	-12889 Dec 26 j 14:46	23° \approx 03'31		retrograde	-12888 Nov 17 j 16:07	14° \approx 01'53	
direct	-12889 Dec 31 j 05:42	22° \approx 15'16		evening set	-12888 Nov 20 j 03:36	13° \approx 41'41	
desc. node	-12888 Jan 06 j 10:57	23° \approx 43'40		inferior conj	-12888 Nov 28 j 00:13	9° \approx 16'48	4°17'21
morning max el	-12888 Jan 14 j 01:22	29° \approx 11'51	24°19'25	minimum elong	-12888 Nov 28 j 00:11	9° \approx 16'52	4°17'39
	-12888 Jan 14 j 21:03	0° \approx		min. Earth dist.	-12888 Dec 01 j 02:51	7° \approx 00'13	0.58201 AU
	-12888 Feb 03 j 18:50	0° \approx		morning rise	-12888 Dec 05 j 18:53	4° \approx 12'12	
morning set	-12888 Feb 08 j 03:31	8° \approx 52'40		direct	-12888 Dec 11 j 16:15	2° \approx 48'31	
asc. node	-12888 Feb 14 j 20:49	23° \approx 18'09		desc. node	-12888 Dec 23 j 07:28	7° \approx 52'57	
				morning max el	-12888 Dec 25 j 16:34	10° \approx 00'03	25°48'21
superior conj	-12888 Feb 15 j 03:54	23° \approx 56'20	0°02'46		-12887 Jan 09 j 22:18	0° \approx	
minimum elong	-12888 Feb 15 j 03:48	23° \approx 55'51	0°02'04	morning set	-12887 Jan 22 j 15:41	23° \approx 57'16	
behind sun begin	-12888 Feb 14 j 22:43	23° \approx 28'22			-12887 Jan 25 j 11:49	0° \approx	
behind sun end	-12888 Feb 15 j 08:54	24° \approx 23'18					
max. Earth dist.	-12888 Feb 16 j 19:12	27° \approx 27'32	1.33367 AU	superior conj	-12887 Jan 29 j 14:41	8° \approx 57'31	-0°19'56

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12887 Jan 29 j 15:29	9° \mathbb{M} 01'56	0°20'19	max. Earth dist.	-12886 Jan 13 j 20:19	23° \mathbb{A} 27'26	1.32785 AU
max. Earth dist.	-12887 Jan 30 j 06:50	10° \mathbb{M} 25'34	1.32913 AU		-12886 Jan 16 j 20:16	0° \mathbb{M}	
asc. node	-12887 Jan 31 j 18:09	13° \mathbb{M} 37'12		asc. node	-12886 Jan 18 j 15:31	3° \mathbb{M} 53'31	
evening rise	-12887 Feb 05 j 19:39	24° \mathbb{M} 20'36		evening rise	-12886 Jan 21 j 03:57	9° \mathbb{M} 13'40	
	-12887 Feb 08 j 14:51	0° \mathbb{A}			-12886 Feb 01 j 01:31	0° \mathbb{A}	
	-12887 Feb 26 j 10:22	0° \mathbb{B}		evening max el	-12886 Feb 18 j 15:22	23° \mathbb{A} 41'23	26°04'11
evening max el	-12887 Mar 08 j 15:41	12° \mathbb{B} 05'57	27°01'01		-12886 Feb 27 j 19:26	0° \mathbb{B}	
desc. node	-12887 Mar 21 j 09:01	19° \mathbb{B} 29'27		retrograde	-12886 Mar 04 j 17:49	0° \mathbb{B} 58'30	
retrograde	-12887 Mar 22 j 17:28	19° \mathbb{B} 34'17		desc. node	-12886 Mar 08 j 05:57	0° \mathbb{B} 27'57	
evening set	-12887 Mar 29 j 04:47	17° \mathbb{B} 40'16			-12886 Mar 09 j 14:31	30° \mathbb{R} \mathbb{A}	
min. Earth dist.	-12887 Apr 02 j 04:48	14° \mathbb{B} 47'36	0.60577 AU	evening set	-12886 Mar 10 j 10:32	29° \mathbb{A} 38'34	
inferior conj	-12887 Apr 05 j 11:22	11° \mathbb{B} 56'57	-3°00'42	min. Earth dist.	-12886 Mar 15 j 04:44	26° \mathbb{A} 45'25	0.58615 AU
minimum elong	-12887 Apr 05 j 09:05	12° \mathbb{B} 01'57	3°01'14	inferior conj	-12886 Mar 18 j 10:56	24° \mathbb{A} 18'30	-2°17'44
morning rise	-12887 Apr 12 j 15:39	7° \mathbb{B} 07'44		minimum elong	-12886 Mar 18 j 07:36	24° \mathbb{A} 24'49	2°17'49
direct	-12887 Apr 15 j 03:46	6° \mathbb{B} 42'11		morning rise	-12886 Mar 26 j 07:46	19° \mathbb{A} 49'11	
morning max el	-12887 Apr 22 j 04:52	10° \mathbb{B} 10'48	18°09'33	direct	-12886 Mar 28 j 15:19	19° \mathbb{A} 30'53	
asc. node	-12887 Apr 29 j 17:10	20° \mathbb{B} 16'14		morning max el	-12886 Apr 05 j 13:48	23° \mathbb{A} 19'31	18°35'31
	-12887 May 05 j 06:42	0° \approx			-12886 Apr 10 j 23:49	0° \mathbb{B}	
morning set	-12887 May 08 j 08:36	5° \approx 39'52		asc. node	-12886 Apr 16 j 14:03	9° \mathbb{B} 19'47	
				morning set	-12886 Apr 21 j 19:13	19° \mathbb{B} 08'10	
superior conj	-12887 May 18 j 17:20	24° \approx 32'24	1°48'09		-12886 Apr 27 j 11:00	0° \approx	
minimum elong	-12887 May 18 j 16:24	24° \approx 28'14	1°47'38				
	-12887 May 21 j 20:12	0° \mathbb{H}		superior conj	-12886 May 01 j 00:48	6° \approx 43'52	1°39'17
max. Earth dist.	-12887 May 26 j 01:41	7° \mathbb{H} 12'30	1.41445 AU	minimum elong	-12886 Apr 30 j 22:06	6° \approx 31'16	1°38'25
evening rise	-12887 Jun 01 j 02:12	17° \mathbb{H} 06'43		max. Earth dist.	-12886 May 08 j 03:06	19° \approx 32'50	1.39605 AU
	-12887 Jun 09 j 07:12	0° \mathbb{Y}		evening rise	-12886 May 12 j 13:31	27° \approx 09'51	
desc. node	-12887 Jun 17 j 06:11	11° \mathbb{Y} 52'38			-12886 May 14 j 06:12	0° \mathbb{H}	
	-12887 Jun 30 j 18:02	0° \mathbb{B}			-12886 Jun 02 j 20:57	0° \mathbb{Y}	
evening max el	-12887 Jul 04 j 01:49	3° \mathbb{B} 39'11	22°17'11	desc. node	-12886 Jun 04 j 03:44	1° \mathbb{Y} 46'33	
retrograde	-12887 Jul 13 j 11:17	9° \mathbb{B} 13'08		evening max el	-12886 Jun 16 j 13:42	16° \mathbb{Y} 58'24	23°39'27
evening set	-12887 Jul 18 j 01:40	7° \mathbb{B} 19'50		retrograde	-12886 Jun 27 j 03:26	23° \mathbb{Y} 15'18	
inferior conj	-12887 Jul 23 j 07:07	1° \mathbb{B} 07'39	-1°03'05	evening set	-12886 Jul 02 j 08:19	21° \mathbb{Y} 00'53	
minimum elong	-12887 Jul 23 j 08:21	1° \mathbb{B} 03'23	1°02'12	min. Earth dist.	-12886 Jul 07 j 05:07	15° \mathbb{Y} 14'08	0.67197 AU
min. Earth dist.	-12887 Jul 23 j 09:48	0° \mathbb{B} 58'20	0.67216 AU	inferior conj	-12886 Jul 07 j 13:25	14° \mathbb{Y} 45'37	-1°45'43
	-12887 Jul 24 j 02:44	30° \mathbb{R} \mathbb{Y}		minimum elong	-12886 Jul 07 j 15:18	14° \mathbb{Y} 39'10	1°44'53
asc. node	-12887 Jul 26 j 18:36	26° \mathbb{Y} 37'23		morning rise	-12886 Jul 12 j 22:13	8° \mathbb{Y} 32'52	
morning rise	-12887 Jul 28 j 14:57	24° \mathbb{Y} 48'46		asc. node	-12886 Jul 13 j 15:21	8° \mathbb{Y} 02'32	
direct	-12887 Aug 02 j 05:19	22° \mathbb{Y} 56'29		direct	-12886 Jul 17 j 00:30	6° \mathbb{Y} 58'25	
morning max el	-12887 Aug 11 j 22:52	28° \mathbb{Y} 47'55	22°35'32	morning max el	-12886 Jul 25 j 15:38	12° \mathbb{Y} 07'33	21°15'52
	-12887 Aug 13 j 02:11	0° \mathbb{B}			-12886 Aug 08 j 09:12	0° \mathbb{B}	
	-12887 Sep 04 j 02:06	0° \mathbb{H}		morning set	-12886 Aug 24 j 20:20	24° \mathbb{B} 56'05	
desc. node	-12887 Sep 13 j 02:50	14° \mathbb{H} 06'21			-12886 Aug 28 j 01:16	0° \mathbb{H}	
morning set	-12887 Sep 14 j 06:05	15° \mathbb{H} 56'25		desc. node	-12886 Aug 31 j 00:01	4° \mathbb{H} 43'33	
max. Earth dist.	-12887 Sep 19 j 22:19	25° \mathbb{H} 20'15	1.40881 AU	max. Earth dist.	-12886 Sep 02 j 04:27	8° \mathbb{H} 16'27	1.42610 AU
	-12887 Sep 22 j 15:48	0° \mathbb{E}					
superior conj	-12887 Sep 27 j 12:34	8° \mathbb{E} 33'38	-1°17'46	superior conj	-12886 Sep 08 j 23:49	19° \mathbb{H} 37'05	-0°51'56
minimum elong	-12887 Sep 27 j 09:10	8° \mathbb{E} 18'24	1°16'38	minimum elong	-12886 Sep 08 j 19:58	19° \mathbb{H} 20'43	0°50'40
evening rise	-12887 Oct 07 j 12:24	27° \mathbb{E} 00'48			-12886 Sep 14 j 23:46	0° \mathbb{E}	
	-12887 Oct 09 j 02:39	0° \mathbb{Q}		evening rise	-12886 Sep 20 j 13:03	9° \mathbb{E} 53'07	
asc. node	-12887 Oct 22 j 18:20	21° \mathbb{Q} 56'01			-12886 Oct 02 j 08:10	0° \mathbb{Q}	
evening max el	-12887 Oct 23 j 16:12	22° \mathbb{Q} 52'46	18°17'40	evening max el	-12886 Oct 07 j 03:27	6° \mathbb{Q} 03'02	18°06'47
retrograde	-12887 Oct 31 j 00:11	26° \mathbb{Q} 33'35		asc. node	-12886 Oct 09 j 15:33	8° \mathbb{Q} 09'07	
evening set	-12887 Nov 02 j 11:13	26° \mathbb{Q} 09'43		retrograde	-12886 Oct 13 j 22:51	9° \mathbb{Q} 36'15	
inferior conj	-12887 Nov 09 j 19:18	21° \mathbb{Q} 23'10	4°04'32	evening set	-12886 Oct 16 j 11:25	9° \mathbb{Q} 06'54	
minimum elong	-12887 Nov 09 j 16:28	21° \mathbb{Q} 29'09	4°04'45	inferior conj	-12886 Oct 23 j 07:33	3° \mathbb{Q} 59'37	3°31'29
min. Earth dist.	-12887 Nov 12 j 22:35	18° \mathbb{Q} 44'05	0.60011 AU	minimum elong	-12886 Oct 23 j 03:43	4° \mathbb{Q} 08'56	3°31'22
morning rise	-12887 Nov 16 j 20:12	15° \mathbb{Q} 57'42		min. Earth dist.	-12886 Oct 26 j 02:52	1° \mathbb{Q} 17'13	0.61821 AU
direct	-12887 Nov 23 j 13:18	13° \mathbb{Q} 58'09			-12886 Oct 27 j 13:13	30° \mathbb{R} \mathbb{E}	
morning max el	-12887 Dec 07 j 12:59	21° \mathbb{Q} 18'19	26°54'55	morning rise	-12886 Oct 29 j 18:46	28° \mathbb{E} 15'52	
desc. node	-12887 Dec 10 j 03:58	23° \mathbb{Q} 59'03		direct	-12886 Nov 05 j 19:35	25° \mathbb{E} 49'11	
	-12887 Dec 15 j 05:13	0° \mathbb{M}			-12886 Nov 15 j 21:16	0° \mathbb{Q}	
	-12886 Jan 02 j 15:34	0° \mathbb{A}		morning max el	-12886 Nov 19 j 16:01	3° \mathbb{Q} 16'43	27°29'24
morning set	-12886 Jan 07 j 01:41	8° \mathbb{A} 54'42		desc. node	-12886 Nov 27 j 00:32	11° \mathbb{Q} 31'02	
					-12886 Dec 09 j 14:19	0° \mathbb{M}	
superior conj	-12886 Jan 14 j 02:33	24° \mathbb{A} 01'27	-0°41'07	morning set	-12886 Dec 22 j 07:30	23° \mathbb{M} 37'50	
minimum elong	-12886 Jan 14 j 04:03	24° \mathbb{A} 09'39	0°41'12		-12886 Dec 25 j 08:56	0° \mathbb{A}	
				max. Earth dist.	-12886 Dec 28 j 07:53	6° \mathbb{A} 19'56	1.32999 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12886 Dec 29 j 13:50	9°♄02'17	-1°00'04	superior conj	-12885 Dec 13 j 22:50	23°♊53'43	-1°16'04
minimum elong	-12886 Dec 29 j 15:45	9°♄12'38	0°59'56	minimum elong	-12885 Dec 14 j 00:47	24°♊04'09	1°15'45
evening rise	-12885 Jan 05 j 14:34	24°♄11'24			-12885 Dec 16 j 19:01	0°♄	
asc. node	-12885 Jan 05 j 12:53	24°♄02'35		evening rise	-12885 Dec 21 j 01:47	9°♄07'44	
	-12885 Jan 08 j 10:15	0°♌		asc. node	-12885 Dec 23 j 10:19	13°♄59'41	
	-12885 Jan 26 j 23:05	0°♌			-12884 Jan 01 j 02:14	0°♌	
evening max el	-12885 Jan 31 j 10:00	4°♌45'18	24°43'10	evening max el	-12884 Jan 13 j 03:21	15°♌37'13	23°10'05
retrograde	-12885 Feb 14 j 07:07	11°♌42'27		retrograde	-12884 Jan 26 j 08:02	22°♌00'33	
evening set	-12885 Feb 18 j 22:51	10°♌53'04		evening set	-12884 Jan 29 j 23:44	21°♌31'21	
desc. node	-12885 Feb 23 j 02:48	8°♌54'58		min. Earth dist.	-12884 Feb 06 j 15:49	17°♌59'32	0.55792 AU
min. Earth dist.	-12885 Feb 24 j 23:37	7°♌46'26	0.56913 AU	inferior conj	-12884 Feb 08 j 00:32	17°♌11'12	0°29'48
inferior conj	-12885 Feb 27 j 14:55	6°♌02'50	-1°06'08	minimum elong	-12884 Feb 08 j 01:45	17°♌09'24	0°28'47
minimum elong	-12885 Feb 27 j 12:33	6°♌06'43	1°06'14	desc. node	-12884 Feb 09 j 23:34	16°♌02'46	
morning rise	-12885 Mar 08 j 05:28	1°♌50'31		morning rise	-12884 Feb 17 j 05:33	13°♌07'08	
direct	-12885 Mar 10 j 09:08	1°♌37'18		direct	-12884 Feb 19 j 10:12	12°♌55'18	
morning max el	-12885 Mar 19 j 15:49	6°♌01'10	19°21'07	morning max el	-12884 Mar 01 j 08:00	18°♌06'55	20°26'14
asc. node	-12885 Apr 03 j 11:00	28°♌49'57			-12884 Mar 10 j 09:59	0°♌	
	-12885 Apr 04 j 01:22	0°♌		morning set	-12884 Mar 19 j 20:47	17°♌42'53	
morning set	-12885 Apr 05 j 16:19	3°♌12'00		asc. node	-12884 Mar 20 j 08:02	18°♌40'12	
					-12884 Mar 25 j 20:31	0°♌	
superior conj	-12885 Apr 14 j 01:54	19°♌50'58	1°23'04	superior conj	-12884 Mar 27 j 15:53	3°♌40'30	1°02'32
minimum elong	-12885 Apr 13 j 22:49	19°♌36'01	1°21'56	minimum elong	-12884 Mar 27 j 13:18	3°♌27'25	1°01'19
	-12885 Apr 19 j 10:00	0°♌		max. Earth dist.	-12884 Apr 01 j 09:07	13°♌01'54	1.36099 AU
max. Earth dist.	-12885 Apr 20 j 03:19	1°♌20'03	1.37750 AU	evening rise	-12884 Apr 05 j 16:10	21°♌10'04	
evening rise	-12885 Apr 24 j 03:45	8°♌35'07			-12884 Apr 10 j 14:06	0°♌	
	-12885 May 07 j 02:14	0°♌			-12884 Apr 29 j 22:05	0°♌	
desc. node	-12885 May 22 j 01:16	21°♌12'59		desc. node	-12884 May 07 j 22:46	10°♌00'55	
	-12885 May 29 j 15:59	0°♌		evening max el	-12884 May 11 j 09:12	13°♌39'47	26°10'12
evening max el	-12885 May 29 j 23:14	0°♌18'14	25°00'01	retrograde	-12884 May 23 j 23:51	20°♌59'00	
retrograde	-12885 Jun 10 j 15:54	7°♌12'16		evening set	-12884 May 30 j 08:09	18°♌15'10	
evening set	-12885 Jun 16 j 11:12	4°♌39'55		min. Earth dist.	-12884 Jun 03 j 10:43	13°♌45'23	0.66126 AU
	-12885 Jun 20 j 13:22	30°♌		inferior conj	-12884 Jun 04 j 19:58	12°♌00'13	-2°52'03
min. Earth dist.	-12885 Jun 20 j 22:09	29°♌30'56	0.66844 AU	minimum elong	-12884 Jun 04 j 22:02	11°♌53'41	2°51'56
inferior conj	-12885 Jun 21 j 18:20	28°♌23'39	-2°22'31	morning rise	-12884 Jun 10 j 12:01	6°♌08'56	
minimum elong	-12885 Jun 21 j 20:30	28°♌16'24	2°21'58	direct	-12884 Jun 13 j 19:44	5°♌05'17	
morning rise	-12885 Jun 27 j 05:49	22°♌20'13		asc. node	-12884 Jun 16 j 08:45	5°♌40'27	
direct	-12885 Jun 30 j 21:53	21°♌02'07		morning max el	-12884 Jun 20 j 19:43	9°♌04'01	19°09'52
asc. node	-12885 Jun 30 j 12:03	21°♌03'03			-12884 Jul 05 j 16:34	0°♌	
morning max el	-12885 Jul 08 j 14:33	25°♌32'33	20°05'58	morning set	-12884 Jul 13 j 12:01	12°♌21'51	
	-12885 Jul 12 j 10:32	0°♌			-12884 Jul 24 j 15:24	0°♌	
	-12885 Aug 01 j 18:36	0°♌		max. Earth dist.	-12884 Jul 28 j 07:18	5°♌47'42	1.44519 AU
morning set	-12885 Aug 03 j 23:42	3°♌26'15		superior conj	-12884 Jul 29 j 15:27	7°♌55'04	0°29'57
max. Earth dist.	-12885 Aug 15 j 15:55	21°♌49'57	1.43875 AU	minimum elong	-12884 Jul 29 j 19:00	8°♌09'09	0°30'03
desc. node	-12885 Aug 17 j 21:19	25°♌24'12		desc. node	-12884 Aug 03 j 18:44	16°♌05'26	
superior conj	-12885 Aug 20 j 07:33	29°♌19'47	-0°14'26		-12884 Aug 12 j 10:00	0°♌	
minimum elong	-12885 Aug 20 j 06:06	29°♌13'54	0°13'30	evening rise	-12884 Aug 14 j 02:35	2°♌45'00	
behind sun begin	-12885 Aug 20 j 00:07	28°♌49'34			-12884 Aug 31 j 17:09	0°♌	
behind sun end	-12885 Aug 20 j 12:06	29°♌38'16		evening max el	-12884 Sep 03 j 06:22	2°♌55'35	18°40'40
	-12885 Aug 20 j 17:26	0°♌		retrograde	-12884 Sep 09 j 23:39	6°♌40'19	
evening rise	-12885 Sep 02 j 19:40	21°♌52'28		asc. node	-12884 Sep 12 j 09:47	6°♌07'26	
	-12885 Sep 07 j 13:59	0°♌		evening set	-12884 Sep 12 j 22:23	5°♌51'47	
evening max el	-12885 Sep 20 j 17:09	19°♌25'51	18°14'50	inferior conj	-12884 Sep 18 j 22:13	0°♌10'50	1°56'36
asc. node	-12885 Sep 26 j 12:42	22°♌57'09		minimum elong	-12884 Sep 18 j 19:33	0°♌18'44	1°56'31
retrograde	-12885 Sep 27 j 07:54	23°♌00'30			-12884 Sep 19 j 01:51	30°♌	
evening set	-12885 Sep 30 j 00:21	22°♌23'07		min. Earth dist.	-12884 Sep 20 j 17:00	28°♌03'59	0.64811 AU
inferior conj	-12885 Oct 06 j 09:37	16°♌57'37	2°46'53	morning rise	-12884 Sep 24 j 16:08	24°♌00'45	
minimum elong	-12885 Oct 06 j 06:01	17°♌07'21	2°46'39	direct	-12884 Oct 01 j 06:32	21°♌18'29	
min. Earth dist.	-12885 Oct 08 j 17:06	14°♌27'38	0.63450 AU	morning max el	-12884 Oct 14 j 09:45	28°♌47'46	26°57'43
morning rise	-12885 Oct 12 j 10:46	10°♌58'52			-12884 Oct 15 j 14:22	0°♌	
direct	-12885 Oct 19 j 09:45	8°♌18'03		desc. node	-12884 Oct 30 j 17:47	19°♌19'59	
morning max el	-12885 Nov 01 j 23:47	15°♌49'59	27°29'22		-12884 Nov 06 j 14:27	0°♌	
desc. node	-12885 Nov 13 j 21:08	0°♌03'52		morning set	-12884 Nov 18 j 20:11	21°♌44'48	
	-12885 Nov 13 j 20:01	0°♌			-12884 Nov 23 j 00:37	0°♌	
	-12885 Dec 02 j 04:04	0°♌		max. Earth dist.	-12884 Nov 23 j 10:52	0°♌51'49	1.34586 AU
morning set	-12885 Dec 06 j 06:43	7°♌57'59					
max. Earth dist.	-12885 Dec 11 j 13:49	18°♌50'41	1.33584 AU				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12884 Nov 27 j 03:29	8° \mathbb{M} 28'30	-1°28'09	superior conj	-12883 Nov 11 j 01:18	22° \mathcal{Q} 38'37	-1°35'09
minimum elong	-12884 Nov 27 j 05:02	8° \mathbb{M} 36'37	1°27'44	minimum elong	-12883 Nov 11 j 01:57	22° \mathcal{Q} 41'53	1°34'37
evening rise	-12884 Dec 04 j 11:59	23° \mathbb{M} 56'48			-12883 Nov 14 j 15:40	0° \mathbb{M}	
	-12884 Dec 07 j 11:09	0° $\underline{\mathcal{A}}$		evening rise	-12883 Nov 18 j 19:25	8° \mathbb{M} 33'05	
asc. node	-12884 Dec 09 j 07:46	3° $\underline{\mathcal{A}}$ 38'46		asc. node	-12883 Nov 26 j 05:12	22° \mathbb{M} 52'45	
evening max el	-12884 Dec 25 j 00:34	26° $\underline{\mathcal{A}}$ 39'25	21°38'03		-12883 Nov 30 j 13:40	0° $\underline{\mathcal{A}}$	
	-12884 Dec 29 j 08:37	0° \mathbb{M}		evening max el	-12883 Dec 07 j 06:06	8° $\underline{\mathcal{A}}$ 09'15	20°17'42
retrograde	-12883 Jan 05 j 23:21	2° \mathbb{M} 17'59		retrograde	-12883 Dec 17 j 15:52	13° $\underline{\mathcal{A}}$ 02'30	
evening set	-12883 Jan 08 j 23:11	1° \mathbb{M} 57'51		evening set	-12883 Dec 20 j 07:50	12° $\underline{\mathcal{A}}$ 44'40	
	-12883 Jan 14 j 04:46	30° \mathbb{R} $\underline{\mathcal{A}}$		inferior conj	-12883 Dec 28 j 23:18	8° $\underline{\mathcal{A}}$ 43'41	3°30'26
inferior conj	-12883 Jan 17 j 23:05	27° $\underline{\mathcal{A}}$ 56'23	2°11'07	minimum elong	-12883 Dec 29 j 04:41	8° $\underline{\mathcal{A}}$ 35'32	3°29'16
minimum elong	-12883 Jan 18 j 04:08	27° $\underline{\mathcal{A}}$ 49'10	2°09'17	min. Earth dist.	-12883 Dec 30 j 19:05	7° $\underline{\mathcal{A}}$ 37'44	0.56018 AU
min. Earth dist.	-12883 Jan 18 j 06:05	27° $\underline{\mathcal{A}}$ 46'23	0.55479 AU	morning rise	-12882 Jan 06 j 23:54	4° $\underline{\mathcal{A}}$ 15'55	
desc. node	-12883 Jan 26 j 20:15	23° $\underline{\mathcal{A}}$ 53'50		direct	-12882 Jan 10 j 19:58	3° $\underline{\mathcal{A}}$ 43'29	
morning rise	-12883 Jan 27 j 08:45	23° $\underline{\mathcal{A}}$ 47'00		desc. node	-12882 Jan 13 j 16:50	4° $\underline{\mathcal{A}}$ 02'14	
direct	-12883 Jan 30 j 02:13	23° $\underline{\mathcal{A}}$ 30'17		morning max el	-12882 Jan 24 j 07:37	10° $\underline{\mathcal{A}}$ 23'56	23°23'48
morning max el	-12883 Feb 11 j 12:41	29° $\underline{\mathcal{A}}$ 31'40	21°49'03		-12882 Feb 07 j 16:26	0° \mathbb{M}	
	-12883 Feb 12 j 00:22	0° \mathbb{M}		morning set	-12882 Feb 16 j 17:46	17° \mathbb{M} 33'15	
	-12883 Mar 03 j 00:20	0° \mathcal{A}		asc. node	-12882 Feb 22 j 02:23	28° \mathbb{M} 58'12	
morning set	-12883 Mar 04 j 05:58	2° \mathcal{A} 32'19			-12882 Feb 22 j 13:54	0° \mathcal{A}	
asc. node	-12883 Mar 07 j 05:10	8° \mathcal{A} 44'30					
				superior conj	-12882 Feb 23 j 20:20	2° \mathcal{A} 42'51	0°16'14
superior conj	-12883 Mar 11 j 14:58	18° \mathcal{A} 00'39	0°39'46	minimum elong	-12882 Feb 23 j 19:40	2° \mathcal{A} 39'18	0°15'21
minimum elong	-12883 Mar 11 j 13:17	17° \mathcal{A} 51'51	0°38'38	behind sun begin	-12882 Feb 23 j 18:28	2° \mathcal{A} 32'51	
max. Earth dist.	-12883 Mar 15 j 00:45	25° \mathcal{A} 02'05	1.34767 AU	behind sun end	-12882 Feb 23 j 20:52	2° \mathcal{A} 45'44	
	-12883 Mar 17 j 12:10	0° \mathcal{B}		max. Earth dist.	-12882 Feb 26 j 02:17	7° \mathcal{A} 29'11	1.33783 AU
evening rise	-12883 Mar 19 j 20:55	4° \mathcal{B} 36'55		evening rise	-12882 Mar 03 j 13:24	18° \mathcal{A} 41'29	
	-12883 Apr 03 j 08:59	0° \approx			-12882 Mar 09 j 11:37	0° \mathcal{B}	
evening max el	-12883 Apr 23 j 20:07	26° \approx 56'07	27°01'23		-12882 Mar 28 j 14:44	0° \approx	
desc. node	-12883 Apr 24 j 20:12	27° \approx 53'54		evening max el	-12882 Apr 06 j 06:30	9° \approx 56'04	27°26'08
	-12883 Apr 27 j 05:46	0° \mathcal{H}		desc. node	-12882 Apr 11 j 17:29	14° \approx 29'49	
retrograde	-12883 May 07 j 02:35	4° \mathcal{H} 28'00		retrograde	-12882 Apr 19 j 23:24	17° \approx 31'37	
evening set	-12883 May 13 j 20:35	1° \mathcal{H} 42'21		evening set	-12882 Apr 26 j 21:30	14° \approx 56'12	
	-12883 May 15 j 16:55	30° \mathbb{R} \approx		min. Earth dist.	-12882 Apr 30 j 13:53	11° \approx 36'28	0.63521 AU
min. Earth dist.	-12883 May 17 j 16:31	27° \approx 50'26	0.65016 AU	inferior conj	-12882 May 03 j 04:01	8° \approx 51'53	-3°21'08
inferior conj	-12883 May 19 j 16:05	25° \approx 31'10	-3°12'30	minimum elong	-12882 May 03 j 04:19	8° \approx 51'07	3°21'48
minimum elong	-12883 May 19 j 17:32	25° \approx 26'55	3°12'50	morning rise	-12882 May 09 j 12:02	3° \approx 32'48	
morning rise	-12883 May 25 j 14:52	19° \approx 54'50		direct	-12882 May 12 j 07:34	2° \approx 52'50	
direct	-12883 May 28 j 15:55	19° \approx 03'46		morning max el	-12882 May 18 j 19:10	6° \approx 16'44	18°07'37
asc. node	-12883 Jun 03 j 05:27	21° \approx 41'39		asc. node	-12882 May 21 j 02:11	8° \approx 51'00	
morning max el	-12883 Jun 04 j 05:55	22° \approx 39'53	18°30'00		-12882 Jun 03 j 10:40	0° \mathcal{H}	
	-12883 Jun 10 j 00:59	0° \mathcal{H}		morning set	-12882 Jun 05 j 10:19	3° \mathcal{H} 25'28	
morning set	-12883 Jun 23 j 22:40	22° \mathcal{H} 18'59					
	-12883 Jun 28 j 15:07	0° \mathcal{Y}		superior conj	-12882 Jun 18 j 07:04	25° \mathcal{H} 08'28	1°37'46
				minimum elong	-12882 Jun 18 j 11:45	25° \mathcal{H} 27'40	1°37'26
superior conj	-12883 Jul 08 j 16:02	16° \mathcal{Y} 10'30	1°10'40		-12882 Jun 21 j 06:31	0° \mathcal{Y}	
minimum elong	-12883 Jul 08 j 22:37	16° \mathcal{Y} 36'43	1°10'16	max. Earth dist.	-12882 Jun 23 j 14:35	3° \mathcal{Y} 46'16	1.43709 AU
max. Earth dist.	-12883 Jul 11 j 00:02	19° \mathcal{Y} 53'04	1.44457 AU	evening rise	-12882 Jul 04 j 10:52	20° \mathcal{Y} 53'30	
	-12883 Jul 17 j 09:37	0° \mathcal{B}		desc. node	-12882 Jul 08 j 13:52	27° \mathcal{Y} 16'05	
desc. node	-12883 Jul 21 j 16:16	6° \mathcal{B} 44'03			-12882 Jul 10 j 08:36	0° \mathcal{B}	
evening rise	-12883 Jul 25 j 06:00	12° \mathcal{B} 21'04			-12882 Jul 31 j 22:11	0° \mathbb{I}	
	-12883 Aug 05 j 13:30	0° \mathbb{I}		evening max el	-12882 Jul 31 j 20:26	29° \mathcal{B} 55'32	20°21'09
evening max el	-12883 Aug 17 j 16:17	16° \mathbb{I} 27'10	19°23'14	retrograde	-12882 Aug 08 j 15:55	4° \mathbb{I} 28'30	
retrograde	-12883 Aug 24 j 19:09	20° \mathbb{I} 31'09		evening set	-12882 Aug 12 j 09:46	3° \mathbb{I} 07'43	
evening set	-12883 Aug 28 j 02:23	19° \mathbb{I} 28'05			-12882 Aug 15 j 13:54	30° \mathbb{R} \mathcal{B}	
asc. node	-12883 Aug 30 j 06:46	17° \mathbb{I} 40'16		asc. node	-12882 Aug 17 j 03:40	27° \mathcal{B} 59'42	
inferior conj	-12883 Sep 02 j 18:32	13° \mathbb{I} 34'40	1°04'25	inferior conj	-12882 Aug 17 j 20:09	27° \mathcal{B} 04'46	0°12'47
minimum elong	-12883 Sep 02 j 17:03	13° \mathbb{I} 39'23	1°04'40	minimum elong	-12882 Aug 17 j 19:51	27° \mathcal{B} 05'46	0°13'24
min. Earth dist.	-12883 Sep 04 j 01:11	11° \mathbb{I} 57'04	0.65864 AU	transit middle	-12882 Aug 17 j 19:51	27° \mathcal{B} 05'46	0°13'24
morning rise	-12883 Sep 08 j 07:23	7° \mathbb{I} 17'00		transit begin	-12882 Aug 17 j 18:16	27° \mathcal{B} 11'04	
direct	-12883 Sep 14 j 09:17	4° \mathbb{I} 43'00		transit end	-12882 Aug 17 j 21:25	27° \mathcal{B} 00'28	
morning max el	-12883 Sep 26 j 20:06	11° \mathbb{I} 59'37	26°00'47	min. Earth dist.	-12882 Aug 18 j 15:33	25° \mathcal{B} 59'47	0.66615 AU
	-12883 Oct 11 j 10:19	0° \mathcal{B}		morning rise	-12882 Aug 23 j 05:44	20° \mathcal{B} 43'24	
desc. node	-12883 Oct 17 j 14:32	9° \mathcal{B} 07'07		direct	-12882 Aug 28 j 17:32	18° \mathcal{B} 23'39	
	-12883 Oct 30 j 04:44	0° \mathcal{Q}		morning max el	-12882 Sep 09 j 06:06	25° \mathcal{B} 15'44	24°46'31
morning set	-12883 Nov 01 j 19:56	4° \mathcal{Q} 46'34			-12882 Sep 13 j 13:48	0° \mathbb{I}	
max. Earth dist.	-12883 Nov 05 j 21:37	12° \mathcal{Q} 26'56	1.36011 AU	desc. node	-12882 Oct 04 j 11:24	29° \mathbb{I} 15'33	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12882 Oct 04 j 22:39	0°☿					-12881 Sep 08 j 10:42	0°♊			
morning set	-12882 Oct 15 j 00:54	16°☿48'39			desc. node		-12881 Sep 21 j 08:25	19°♊39'02			
max. Earth dist.	-12882 Oct 18 j 23:42	23°☿52'30	1.37792 AU		morning set		-12881 Sep 26 j 06:00	27°♊38'55			
	-12882 Oct 22 j 06:55	0°♌					-12881 Sep 27 j 15:42	0°☿			
					max. Earth dist.		-12881 Sep 30 j 22:38	5°☿37'13	1.39759 AU		
superior conj	-12882 Oct 25 j 12:54	6°♌13'04	-1°35'30								
minimum elong	-12882 Oct 25 j 12:07	6°♌09'19	1°34'47		superior conj		-12881 Oct 08 j 10:03	19°☿00'20	-1°27'15		
evening rise	-12882 Nov 02 j 21:59	22°♌49'28			minimum elong		-12881 Oct 08 j 07:32	18°☿48'45	1°26'17		
	-12882 Nov 06 j 13:51	0°♍					-12881 Oct 14 j 06:00	0°♌			
asc. node	-12882 Nov 13 j 02:36	11°♍32'00			evening rise		-12881 Oct 17 j 17:11	6°♌39'41			
evening max el	-12882 Nov 19 j 21:51	20°♍12'38	19°15'13		asc. node		-12881 Oct 30 j 23:55	29°♌25'38			
retrograde	-12882 Nov 28 j 20:42	24°♍28'28					-12881 Oct 31 j 10:46	0°♍			
evening set	-12882 Dec 01 j 08:58	24°♍09'49			evening max el		-12881 Nov 02 j 23:12	2°♍47'50	18°32'52		
inferior conj	-12882 Dec 09 j 12:46	19°♍55'46	4°11'13		retrograde		-12881 Nov 10 j 18:41	6°♍37'52			
minimum elong	-12882 Dec 09 j 14:56	19°♍52'04	4°11'13		evening set		-12881 Nov 13 j 05:36	6°♍16'26			
min. Earth dist.	-12882 Dec 12 j 08:36	18°♍00'53	0.57264 AU		inferior conj		-12881 Nov 20 j 20:55	1°♍42'41	4°15'02		
morning rise	-12882 Dec 17 j 18:52	15°♍03'55			minimum elong		-12881 Nov 20 j 19:29	1°♍45'29	4°15'22		
direct	-12882 Dec 22 j 23:22	14°♍01'44					-12881 Nov 23 j 01:10	30°♌♌			
desc. node	-12882 Dec 31 j 13:21	16°♍48'59			min. Earth dist.		-12881 Nov 24 j 01:23	29°♌13'46	0.58957 AU		
morning max el	-12881 Jan 05 j 22:22	21°♍05'55	24°59'08		morning rise		-12881 Nov 28 j 07:31	26°♌28'33			
	-12881 Jan 13 j 15:13	0°♎			direct		-12881 Dec 04 j 14:42	24°♌48'48			
	-12881 Jan 30 j 23:53	0°♏					-12881 Dec 16 j 07:25	0°♍			
morning set	-12881 Feb 01 j 06:18	2°♏38'26			desc. node		-12881 Dec 18 j 09:51	1°♍51'56			
					morning max el		-12881 Dec 18 j 15:27	2°♍05'13	26°20'00		
superior conj	-12881 Feb 08 j 05:41	17°♏39'06	-0°07'01				-12880 Jan 07 j 16:02	0°♎			
minimum elong	-12881 Feb 08 j 06:00	17°♏40'48	0°07'36		morning set		-12880 Jan 16 j 17:45	17°♎40'47			
behind sun begin	-12881 Feb 08 j 01:31	17°♏16'32					-12880 Jan 22 j 11:24	0°♏			
behind sun end	-12881 Feb 08 j 10:28	18°♏05'03									
asc. node	-12881 Feb 08 j 23:40	19°♏16'33			superior conj		-12880 Jan 23 j 17:08	2°♏42'24	-0°29'09		
max. Earth dist.	-12881 Feb 09 j 11:03	20°♏18'03	1.33134 AU		minimum elong		-12880 Jan 23 j 18:16	2°♏48'35	0°29'24		
	-12881 Feb 14 j 00:42	0°♐			max. Earth dist.		-12880 Jan 23 j 23:42	3°♏18'17	1.32817 AU		
evening rise	-12881 Feb 15 j 14:03	3°♐12'08			asc. node		-12880 Jan 26 j 21:01	9°♏35'03			
	-12881 Mar 02 j 07:51	0°♑			evening rise		-12880 Jan 30 j 20:12	17°♏59'32			
evening max el	-12881 Mar 19 j 14:06	22°♑28'31	27°19'36				-12880 Feb 05 j 21:40	0°♐			
desc. node	-12881 Mar 29 j 14:37	29°♑19'37					-12880 Feb 25 j 12:39	0°♑			
	-12881 Apr 01 j 18:26	0°♒			evening max el		-12880 Feb 29 j 17:03	4°♑25'46	26°40'22		
retrograde	-12881 Apr 02 j 13:46	0°♒01'49			retrograde		-12880 Mar 14 j 20:06	11°♑50'55			
	-12881 Apr 03 j 08:57	30°♒♑			desc. node		-12880 Mar 15 j 11:38	11°♑49'49			
evening set	-12881 Apr 09 j 07:45	27°♑49'31			evening set		-12880 Mar 21 j 00:20	10°♑11'17			
min. Earth dist.	-12881 Apr 13 j 02:18	24°♑51'02	0.61702 AU		min. Earth dist.		-12880 Mar 25 j 06:31	7°♑19'56	0.59723 AU		
inferior conj	-12881 Apr 16 j 04:40	21°♑56'27	-3°14'01		inferior conj		-12880 Mar 28 j 14:25	4°♑36'28	-2°45'48		
minimum elong	-12881 Apr 16 j 03:21	21°♑59'35	3°14'42		minimum elong		-12880 Mar 28 j 11:32	4°♑42'25	2°46'09		
morning rise	-12881 Apr 23 j 00:44	16°♑56'21					-12880 Apr 04 j 20:13	30°♒♐			
direct	-12881 Apr 25 j 15:25	16°♑26'03			morning rise		-12880 Apr 05 j 01:28	29°♒55'54			
morning max el	-12881 May 02 j 09:00	19°♑49'22	18°03'29		direct		-12880 Apr 07 j 11:27	29°♒33'49			
asc. node	-12881 May 07 j 22:58	26°♑54'16					-12880 Apr 10 j 01:07	0°♑			
	-12881 May 09 j 22:15	0°♒			morning max el		-12880 Apr 14 j 20:36	3°♑09'31	18°18'13		
morning set	-12881 May 18 j 19:57	15°♒35'43			asc. node		-12880 Apr 23 j 19:48	15°♑38'43			
	-12881 May 26 j 21:35	0°♓			morning set		-12880 Apr 30 j 22:46	28°♑38'39			
							-12880 May 01 j 16:03	0°♒			
superior conj	-12881 May 30 j 00:11	5°♓23'47	1°48'28								
minimum elong	-12881 May 30 j 01:01	5°♓27'26	1°48'05		superior conj		-12880 May 10 j 19:00	16°♒56'05	1°45'31		
max. Earth dist.	-12881 Jun 05 j 23:54	17°♓09'13	1.42385 AU		minimum elong		-12880 May 10 j 17:06	16°♒47'30	1°44'51		
evening rise	-12881 Jun 13 j 12:17	29°♓16'12			max. Earth dist.		-12880 May 18 j 03:22	29°♒51'16	1.40674 AU		
	-12881 Jun 13 j 23:24	0°♔					-12880 May 18 j 05:25	0°♓			
desc. node	-12881 Jun 25 j 11:29	17°♔37'44			evening rise		-12880 May 23 j 08:04	8°♓32'56			
	-12881 Jul 04 j 00:54	0°♕					-12880 Jun 06 j 01:42	0°♔			
evening max el	-12881 Jul 14 j 17:35	13°♕19'20	21°32'04		desc. node		-12880 Jun 11 j 09:05	7°♔43'24			
retrograde	-12881 Jul 23 j 12:02	18°♕29'55			evening max el		-12880 Jun 26 j 08:15	26°♔39'13	22°51'59		
evening set	-12881 Jul 27 j 18:23	16°♕48'59					-12880 Jun 30 j 02:35	0°♕			
inferior conj	-12881 Aug 02 j 01:01	10°♕39'20	-0°36'25		retrograde		-12880 Jul 06 j 05:54	2°♕32'02			
minimum elong	-12881 Aug 02 j 01:45	10°♕36'47	0°35'34		evening set		-12880 Jul 11 j 02:16	0°♕29'49			
min. Earth dist.	-12881 Aug 02 j 09:48	10°♕09'03	0.67075 AU				-12880 Jul 11 j 15:31	30°♒♔			
asc. node	-12881 Aug 04 j 00:28	7°♕58'56			inferior conj		-12880 Jul 16 j 07:17	24°♔16'03	-1°21'48		
morning rise	-12881 Aug 07 j 09:00	4°♕18'13			minimum elong		-12880 Jul 16 j 08:49	24°♔10'43	1°20'55		
direct	-12881 Aug 12 j 06:51	2°♕15'36			min. Earth dist.		-12880 Jul 16 j 05:27	24°♔22'25	0.67242 AU		
morning max el	-12881 Aug 22 j 16:43	8°♕31'49	23°23'40		asc. node		-12880 Jul 20 j 21:13	18°♔38'36			

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12880 Jul 21 j 15:18	17° Υ 59'04		morning max el	-12879 Jul 18 j 01:29	5° Υ 08'56	20°44'35
direct	-12880 Jul 26 j 00:19	16° Υ 14'21			-12879 Aug 05 j 07:29	0° \mathcal{B}	
morning max el	-12880 Aug 04 j 06:20	21° Υ 48'04	22°00'42	morning set	-12879 Aug 15 j 16:13	15° \mathcal{B} 53'14	
	-12880 Aug 11 j 04:02	0° \mathcal{B}			-12879 Aug 24 j 14:10	0° Π	
	-12880 Aug 31 j 18:53	0° Π		desc. node	-12879 Aug 25 j 02:48	0° Π 50'59	
morning set	-12880 Sep 05 j 08:56	7° Π 13'14		max. Earth dist.	-12879 Aug 25 j 09:24	1° Π 17'39	1.43218 AU
desc. node	-12880 Sep 07 j 05:33	10° Π 12'10					
max. Earth dist.	-12880 Sep 12 j 00:46	18° Π 03'54	1.41655 AU	superior conj	-12879 Aug 31 j 11:06	11° Π 15'13	-0°37'18
				minimum elong	-12879 Aug 31 j 07:51	11° Π 01'40	0°36'06
superior conj	-12880 Sep 19 j 11:19	0° \mathcal{E} 45'48	-1°08'19		-12879 Sep 11 j 09:57	0° \mathcal{E}	
minimum elong	-12880 Sep 19 j 07:29	0° \mathcal{E} 29'01	1°07'05	evening rise	-12879 Sep 12 j 19:20	2° \mathcal{E} 26'21	
	-12880 Sep 19 j 00:50	0° \mathcal{E}		evening max el	-12879 Sep 29 j 20:27	29° \mathcal{E} 04'20	18°08'03
evening rise	-12880 Sep 30 j 01:44	19° \mathcal{E} 55'24			-12879 Sep 30 j 19:56	0° Ω	
	-12880 Oct 05 j 14:28	0° Ω		asc. node	-12879 Oct 03 j 18:22	1° Ω 58'55	
evening max el	-12880 Oct 16 j 07:45	15° Ω 47'53	18°10'46	retrograde	-12879 Oct 06 j 12:47	2° Ω 36'50	
asc. node	-12880 Oct 16 j 21:10	16° Ω 20'00		evening set	-12879 Oct 09 j 02:51	2° Ω 04'15	
retrograde	-12880 Oct 23 j 09:13	19° Ω 23'55			-12879 Oct 12 j 09:14	30° \mathcal{R} \mathcal{E}	
evening set	-12880 Oct 25 j 20:43	18° Ω 57'56		inferior conj	-12879 Oct 15 j 18:09	26° \mathcal{E} 48'44	3°13'36
inferior conj	-12880 Nov 01 j 23:38	14° Ω 02'41	3°52'25	minimum elong	-12879 Oct 15 j 14:18	26° \mathcal{E} 58'34	3°13'23
minimum elong	-12880 Nov 01 j 20:11	14° Ω 10'26	3°52'28	min. Earth dist.	-12879 Oct 18 j 08:36	24° \mathcal{E} 10'19	0.62540 AU
min. Earth dist.	-12880 Nov 05 j 00:27	11° Ω 19'48	0.60794 AU	morning rise	-12879 Oct 22 j 00:43	20° \mathcal{E} 58'33	
morning rise	-12880 Nov 08 j 18:15	8° Ω 29'17		direct	-12879 Oct 29 j 01:53	18° \mathcal{E} 24'23	
direct	-12880 Nov 15 j 16:15	6° Ω 16'25		morning max el	-12879 Nov 11 j 19:43	25° \mathcal{E} 53'27	27°33'40
morning max el	-12880 Nov 29 j 14:32	13° Ω 39'59	27°13'43		-12879 Nov 15 j 17:27	0° Ω	
desc. node	-12880 Dec 04 j 06:24	18° Ω 38'15		desc. node	-12879 Nov 21 j 02:59	6° Ω 38'32	
	-12880 Dec 12 j 19:38	0° \mathcal{N}			-12879 Dec 06 j 04:56	0° \mathcal{N}	
	-12880 Dec 29 j 20:18	0° \mathcal{E}		morning set	-12879 Dec 15 j 05:37	17° \mathcal{N} 08'07	
morning set	-12880 Dec 31 j 02:16	2° \mathcal{E} 33'37		max. Earth dist.	-12879 Dec 20 j 22:33	29° \mathcal{N} 03'38	1.33203 AU
max. Earth dist.	-12879 Jan 06 j 12:47	16° \mathcal{E} 18'09	1.32834 AU		-12879 Dec 21 j 09:03	0° \mathcal{E}	
superior conj	-12879 Jan 07 j 05:00	17° \mathcal{E} 46'38	-0°49'28	superior conj	-12879 Dec 22 j 15:33	2° \mathcal{E} 44'25	-1°07'16
minimum elong	-12879 Jan 07 j 06:43	17° \mathcal{E} 55'58	0°49'26	minimum elong	-12879 Dec 22 j 17:32	2° \mathcal{E} 55'05	1°07'02
asc. node	-12879 Jan 12 j 18:24	29° \mathcal{E} 49'29		evening rise	-12879 Dec 29 j 16:51	17° \mathcal{E} 54'37	
	-12879 Jan 12 j 20:22	0° \mathcal{M}		asc. node	-12879 Dec 30 j 15:48	19° \mathcal{E} 54'28	
evening rise	-12879 Jan 14 j 05:45	2° \mathcal{M} 56'17			-12878 Jan 04 j 17:37	0° \mathcal{M}	
	-12879 Jan 29 j 00:25	0° \mathcal{A}		evening max el	-12878 Jan 23 j 08:18	26° \mathcal{M} 44'35	24°04'16
evening max el	-12879 Feb 10 j 14:40	15° \mathcal{A} 48'00	25°32'08		-12878 Jan 27 j 07:16	0° \mathcal{A}	
retrograde	-12879 Feb 24 j 16:00	22° \mathcal{A} 57'31		retrograde	-12878 Feb 05 j 23:34	3° \mathcal{A} 28'21	
evening set	-12879 Mar 01 j 22:19	21° \mathcal{A} 51'51		evening set	-12878 Feb 10 j 04:44	2° \mathcal{A} 48'54	
desc. node	-12879 Mar 02 j 08:30	21° \mathcal{A} 41'06			-12878 Feb 16 j 04:01	30° \mathcal{R} \mathcal{M}	
min. Earth dist.	-12879 Mar 07 j 04:19	18° \mathcal{A} 54'12	0.57842 AU	min. Earth dist.	-12878 Feb 16 j 21:40	29° \mathcal{M} 33'21	0.56360 AU
inferior conj	-12879 Mar 10 j 05:57	16° \mathcal{A} 43'55	-1°50'56	desc. node	-12878 Feb 17 j 05:19	29° \mathcal{M} 21'37	
minimum elong	-12879 Mar 10 j 02:42	16° \mathcal{A} 49'43	1°50'56	inferior conj	-12878 Feb 19 j 01:42	28° \mathcal{M} 12'29	-0°27'45
morning rise	-12879 Mar 18 j 10:17	12° \mathcal{A} 22'01		minimum elong	-12878 Feb 19 j 00:36	28° \mathcal{M} 14'13	0°28'07
direct	-12879 Mar 20 j 15:56	12° \mathcal{A} 06'12		morning rise	-12878 Feb 27 j 23:09	24° \mathcal{M} 05'02	
morning max el	-12879 Mar 29 j 02:58	16° \mathcal{A} 08'21	18°52'23	direct	-12878 Mar 02 j 02:33	23° \mathcal{M} 52'49	
	-12879 Apr 07 j 23:58	0° \mathcal{B}		morning max el	-12878 Mar 12 j 01:03	28° \mathcal{M} 35'27	19°46'23
asc. node	-12879 Apr 10 j 16:45	4° \mathcal{B} 55'01			-12878 Mar 13 j 10:28	0° \mathcal{A}	
morning set	-12879 Apr 14 j 14:22	12° \mathcal{B} 23'54		asc. node	-12878 Mar 28 j 13:45	24° \mathcal{A} 34'38	
				morning set	-12878 Mar 29 j 14:59	26° \mathcal{A} 40'40	
superior conj	-12879 Apr 23 j 10:39	29° \mathcal{B} 33'12	1°33'05		-12878 Mar 31 j 06:35	0° \mathcal{B}	
minimum elong	-12879 Apr 23 j 07:39	29° \mathcal{B} 18'57	1°32'06				
	-12879 Apr 23 j 16:18	0° \approx		superior conj	-12878 Apr 06 j 17:47	12° \mathcal{B} 59'58	1°14'45
max. Earth dist.	-12879 Apr 30 j 03:46	11° \approx 55'58	1.38812 AU	minimum elong	-12878 Apr 06 j 14:50	12° \mathcal{B} 45'25	1°13'33
evening rise	-12879 May 04 j 07:21	19° \approx 12'40		max. Earth dist.	-12878 Apr 12 j 06:04	23° \mathcal{B} 39'22	1.37023 AU
	-12879 May 10 j 18:31	0° \mathcal{H}			-12878 Apr 15 j 16:23	0° \approx	
desc. node	-12879 May 29 j 06:37	27° \mathcal{H} 26'36		evening rise	-12878 Apr 16 j 07:46	1° \approx 09'37	
	-12879 May 31 j 05:22	0° Υ			-12878 May 03 j 22:04	0° \mathcal{H}	
evening max el	-12879 Jun 08 j 18:57	9° Υ 59'01	24°14'29	desc. node	-12878 May 16 j 04:07	16° \mathcal{H} 38'11	
retrograde	-12879 Jun 19 j 20:27	16° Υ 32'11		evening max el	-12878 May 22 j 04:33	23° \mathcal{H} 20'18	25°31'36
evening set	-12879 Jun 25 j 07:32	14° Υ 09'48			-12878 May 31 j 15:26	0° Υ	
min. Earth dist.	-12879 Jun 30 j 00:06	8° Υ 38'44	0.67094 AU	retrograde	-12878 Jun 03 j 06:57	0° Υ 25'54	
inferior conj	-12879 Jun 30 j 13:13	7° Υ 54'05	-2°02'06		-12878 Jun 05 j 18:58	30° \mathcal{R} \mathcal{H}	
minimum elong	-12879 Jun 30 j 15:16	7° Υ 47'07	2°01'23	evening set	-12878 Jun 09 j 08:12	27° \mathcal{H} 47'34	
morning rise	-12879 Jul 05 j 22:56	1° Υ 44'50		min. Earth dist.	-12878 Jun 13 j 15:25	22° \mathcal{H} 55'29	0.66591 AU
asc. node	-12879 Jul 07 j 17:57	0° Υ 42'38		inferior conj	-12878 Jun 14 j 17:01	21° \mathcal{H} 31'51	-2°36'02
direct	-12879 Jul 09 j 20:45	0° Υ 17'20		minimum elong	-12878 Jun 14 j 19:12	21° \mathcal{H} 24'42	2°35'39

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12878 Jun 20 j 06:13	15° H 33'27		morning rise	-12877 Jun 03 j 12:30	30° R	
direct	-12878 Jun 23 j 18:35	14° H 21'42		morning rise	-12877 Jun 04 j 11:15	29° R 21'13	
asc. node	-12878 Jun 24 j 14:41	14° H 25'36		direct	-12877 Jun 07 j 15:54	28° R 23'17	
morning max el	-12878 Jul 01 j 03:14	18° H 37'09	19°40'17	asc. node	-12877 Jun 11 j 11:22	29° R 40'22	
	-12878 Jul 09 j 22:34	0° Y			-12877 Jun 11 j 22:53	0° H	
morning set	-12878 Jul 25 j 21:14	24° Y 28'46		morning max el	-12877 Jun 14 j 10:51	2° H 11'13	18°50'51
	-12878 Jul 29 j 09:49	0° B			-12877 Jul 03 j 09:30	0° Y	
max. Earth dist.	-12878 Aug 07 j 23:31	15° B 06'08	1.44232 AU	morning set	-12877 Jul 05 j 18:01	3° Y 47'33	
superior conj	-12878 Aug 11 j 07:32	20° B 25'36	0°04'08	superior conj	-12877 Jul 21 j 09:34	28° Y 44'16	0°48'24
minimum elong	-12878 Aug 11 j 08:05	20° B 27'47	0°04'43	minimum elong	-12877 Jul 21 j 14:58	29° Y 05'39	0°48'13
behind sun begin	-12878 Aug 10 j 21:29	19° B 45'19		max. Earth dist.	-12877 Jul 21 j 15:49	29° Y 09'03	1.44575 AU
behind sun end	-12878 Aug 11 j 18:41	21° B 10'18			-12877 Jul 22 j 04:42	0° B	
desc. node	-12878 Aug 12 j 00:09	21° B 32'19		desc. node	-12877 Jul 29 j 21:38	12° B 12'34	
	-12878 Aug 17 j 05:34	0° II		evening rise	-12877 Aug 06 j 12:02	24° B 19'52	
evening rise	-12878 Aug 25 j 16:38	13° II 59'34			-12877 Aug 10 j 00:58	0° II	
	-12878 Sep 04 j 08:34	0° E		evening max el	-12877 Aug 27 j 22:19	26° II 00'47	18°56'46
evening max el	-12878 Sep 13 j 10:17	12° E 30'36	18°23'42	retrograde	-12877 Sep 03 j 19:01	29° II 53'00	
retrograde	-12878 Sep 20 j 01:14	16° E 08'39		evening set	-12877 Sep 06 j 20:58	28° II 58'50	
asc. node	-12878 Sep 20 j 15:30	16° E 06'44		asc. node	-12877 Sep 07 j 12:33	28° II 33'56	
evening set	-12878 Sep 22 j 20:06	15° E 26'51		inferior conj	-12877 Sep 12 j 17:18	23° II 12'05	1°34'31
inferior conj	-12878 Sep 29 j 01:06	9° E 54'06	2°26'01	minimum elong	-12877 Sep 12 j 15:08	23° II 18'46	1°34'35
minimum elong	-12878 Sep 28 j 21:51	10° E 03'17	2°25'49	min. Earth dist.	-12877 Sep 14 j 06:49	21° II 17'00	0.65291 AU
min. Earth dist.	-12878 Oct 01 j 03:03	7° E 33'12	0.64058 AU	morning rise	-12877 Sep 18 j 08:47	16° II 58'00	
morning rise	-12878 Oct 04 j 22:52	3° E 50'00		direct	-12877 Sep 24 j 18:05	14° II 18'15	
direct	-12878 Oct 11 j 18:40	1° E 07'32		morning max el	-12877 Oct 07 j 15:24	21° II 44'26	26°36'10
morning max el	-12878 Oct 25 j 04:55	8° E 39'10	27°19'38		-12877 Oct 14 j 23:19	0° E	
desc. node	-12878 Nov 07 j 23:38	25° E 31'30		desc. node	-12877 Oct 25 j 20:21	15° E 01'32	
	-12878 Nov 11 j 00:42	0° O			-12877 Nov 04 j 04:24	0° O	
	-12878 Nov 28 j 09:44	0° P		morning set	-12877 Nov 12 j 09:17	14° O 44'03	
morning set	-12878 Nov 29 j 01:07	1° P 15'17		max. Earth dist.	-12877 Nov 16 j 17:54	23° O 11'08	1.35135 AU
max. Earth dist.	-12878 Dec 04 j 01:19	11° P 23'23	1.33960 AU		-12877 Nov 20 j 02:52	0° P	
superior conj	-12878 Dec 06 j 22:57	17° P 29'16	-1°21'44	superior conj	-12877 Nov 21 j 00:59	1° P 53'46	-1°31'50
minimum elong	-12878 Dec 07 j 00:48	17° P 39'02	1°21'22	minimum elong	-12877 Nov 21 j 02:13	2° P 00'09	1°31'23
	-12878 Dec 12 j 19:50	0° A		evening rise	-12877 Nov 28 j 13:03	17° P 31'53	
evening rise	-12878 Dec 14 j 03:51	2° A 48'26		asc. node	-12877 Dec 04 j 10:42	29° P 13'30	
asc. node	-12878 Dec 17 j 13:14	9° A 44'33			-12877 Dec 04 j 20:43	0° A	
	-12878 Dec 29 j 11:39	0° M		evening max el	-12877 Dec 18 j 02:39	18° A 48'56	21°02'02
evening max el	-12877 Jan 05 j 02:26	7° M 37'11	22°30'01	retrograde	-12877 Dec 29 j 10:29	24° A 08'12	
retrograde	-12877 Jan 17 j 19:46	13° M 42'51		evening set	-12876 Jan 01 j 05:53	23° A 49'48	
evening set	-12877 Jan 21 j 03:44	13° M 18'28		inferior conj	-12876 Jan 10 j 02:50	19° A 50'33	2°48'54
min. Earth dist.	-12877 Jan 29 j 12:39	9° M 31'47	0.55557 AU	minimum elong	-12876 Jan 10 j 08:35	19° A 42'12	2°47'10
inferior conj	-12877 Jan 30 j 05:14	9° M 07'53	1°13'43	min. Earth dist.	-12876 Jan 11 j 02:31	19° A 16'12	0.55599 AU
minimum elong	-12877 Jan 30 j 08:18	9° M 03'28	1°12'14	morning rise	-12876 Jan 19 j 10:13	15° A 34'19	
desc. node	-12877 Feb 04 j 02:04	6° M 32'01		desc. node	-12876 Jan 21 j 22:42	15° A 13'32	
morning rise	-12877 Feb 08 j 13:54	5° M 03'51		direct	-12876 Jan 22 j 13:14	15° A 12'42	
direct	-12877 Feb 10 j 22:09	4° M 51'01		morning max el	-12876 Feb 04 j 12:40	21° A 33'15	22°28'28
morning max el	-12877 Feb 22 j 12:26	10° M 23'41	20°59'31		-12876 Feb 11 j 16:01	0° M	
	-12877 Mar 08 j 03:34	0° X		morning set	-12876 Feb 26 j 08:15	26° M 15'25	
morning set	-12877 Mar 13 j 21:43	11° X 20'11			-12876 Feb 28 j 03:05	0° X	
asc. node	-12877 Mar 15 j 10:49	14° X 31'20		asc. node	-12876 Mar 01 j 07:58	4° X 40'19	
superior conj	-12877 Mar 21 j 12:02	27° X 03'45	0°53'04	superior conj	-12876 Mar 04 j 14:07	11° X 34'44	0°29'50
minimum elong	-12877 Mar 21 j 09:48	26° X 52'18	0°51'51	minimum elong	-12876 Mar 04 j 12:52	11° X 28'06	0°28'47
	-12877 Mar 22 j 22:35	0° Z		max. Earth dist.	-12876 Mar 07 j 11:28	17° X 36'57	1.34301 AU
max. Earth dist.	-12877 Mar 25 j 15:42	5° Z 26'28	1.35491 AU	evening rise	-12876 Mar 12 j 13:59	27° X 52'57	
evening rise	-12877 Mar 30 j 03:44	14° Z 08'05			-12876 Mar 13 j 16:12	0° Z	
	-12877 Apr 08 j 01:17	0° A			-12876 Mar 31 j 06:48	0° A	
	-12877 Apr 28 j 14:10	0° H		evening max el	-12876 Apr 16 j 01:34	19° A 50'36	27°15'28
desc. node	-12877 May 03 j 01:35	5° H 04'50		desc. node	-12876 Apr 18 j 22:56	22° A 28'31	
evening max el	-12877 May 04 j 14:45	6° H 39'47	26°34'41	retrograde	-12876 Apr 29 j 13:24	27° A 25'51	
retrograde	-12877 May 17 j 12:50	14° H 06'12		evening set	-12876 May 06 j 09:52	24° A 42'53	
evening set	-12877 May 24 j 01:53	11° H 19'51		min. Earth dist.	-12876 May 10 j 03:43	21° A 05'34	0.64423 AU
min. Earth dist.	-12877 May 28 j 01:14	7° H 06'53	0.65704 AU	inferior conj	-12876 May 12 j 09:36	18° A 33'51	-3°17'52
inferior conj	-12877 May 29 j 16:35	5° H 06'09	-3°02'01	minimum elong	-12876 May 12 j 10:37	18° A 30'57	3°18'21
minimum elong	-12877 May 29 j 18:27	5° H 00'24	3°02'05	morning rise	-12876 May 18 j 11:59	13° A 04'36	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12876 May 21 j 10:27	12° \approx 18'37		evening set	-12875 Apr 19 j 04:56	7° \approx 49'13	
morning max el	-12876 May 27 j 22:39	15° \approx 48'32	18°18'13	min. Earth dist.	-12875 Apr 22 j 21:28	4° \approx 39'46	0.62780 AU
asc. node	-12876 May 28 j 08:04	16° \approx 12'40		inferior conj	-12875 Apr 25 j 17:10	1° \approx 48'52	-3°20'22
	-12876 Jun 07 j 02:30	0° \mathbb{X}		minimum elong	-12875 Apr 25 j 16:48	1° \approx 49'46	3°21'05
morning set	-12876 Jun 15 j 15:27	14° \mathbb{X} 14'19			-12875 Apr 27 j 13:19	30° \mathbb{R} \mathbb{Z}	
	-12876 Jun 25 j 03:33	0° \mathbb{Y}		morning rise	-12875 May 02 j 05:55	26° \mathbb{Z} 37'20	
				direct	-12875 May 04 j 23:18	26° \mathbb{Z} 01'37	
superior conj	-12876 Jun 29 j 14:06	7° \mathbb{Y} 11'49	1°24'10	morning max el	-12875 May 11 j 12:24	29° \mathbb{Z} 24'02	18°03'28
minimum elong	-12876 Jun 29 j 20:23	7° \mathbb{Y} 37'06	1°23'47		-12875 May 12 j 02:30	0° \approx	
max. Earth dist.	-12876 Jul 03 j 07:24	13° \mathbb{Y} 09'14	1.44220 AU	asc. node	-12875 May 15 j 04:48	3° \approx 46'24	
	-12876 Jul 13 j 23:58	0° \mathbb{B}		morning set	-12875 May 28 j 13:03	25° \approx 49'19	
desc. node	-12876 Jul 15 j 19:11	2° \mathbb{B} 48'41			-12875 May 30 j 22:11	0° \mathbb{X}	
evening rise	-12876 Jul 16 j 04:24	3° \mathbb{B} 24'36					
greatest brilliancy	-12876 Jul 28 j 01:14	21° \mathbb{B} 42'51	-0.7m	superior conj	-12875 Jun 09 j 15:36	16° \mathbb{X} 40'31	1°44'14
	-12876 Aug 02 j 16:22	0° \mathbb{II}		minimum elong	-12875 Jun 09 j 18:39	16° \mathbb{X} 53'16	1°43'54
evening max el	-12876 Aug 10 j 06:01	9° \mathbb{II} 31'11	19°46'05	max. Earth dist.	-12875 Jun 15 j 19:54	26° \mathbb{X} 51'05	1.43216 AU
retrograde	-12876 Aug 17 j 15:14	13° \mathbb{II} 46'25			-12875 Jun 17 j 18:43	0° \mathbb{Y}	
evening set	-12876 Aug 21 j 02:40	12° \mathbb{II} 36'23		evening rise	-12875 Jun 25 j 04:51	11° \mathbb{Y} 44'36	
asc. node	-12876 Aug 24 j 09:29	9° \mathbb{II} 30'25		desc. node	-12875 Jul 02 j 16:46	23° \mathbb{Y} 16'42	
inferior conj	-12876 Aug 26 j 16:09	6° \mathbb{II} 38'45	0°42'18		-12875 Jul 07 j 03:58	0° \mathbb{B}	
minimum elong	-12876 Aug 26 j 15:11	6° \mathbb{II} 41'54	0°42'43	evening max el	-12875 Jul 24 j 07:23	22° \mathbb{B} 58'18	20°49'58
min. Earth dist.	-12876 Aug 27 j 18:01	5° \mathbb{II} 14'22	0.66225 AU	retrograde	-12875 Aug 01 j 11:50	27° \mathbb{B} 45'50	
morning rise	-12876 Sep 01 j 03:22	0° \mathbb{II} 18'51		evening set	-12875 Aug 05 j 10:49	26° \mathbb{B} 16'46	
	-12876 Sep 01 j 12:23	30° \mathbb{R} \mathbb{B}		inferior conj	-12875 Aug 10 j 19:23	20° \mathbb{B} 10'54	-0°08'28
direct	-12876 Sep 06 j 23:26	27° \mathbb{B} 50'03		minimum elong	-12875 Aug 10 j 19:33	20° \mathbb{B} 10'20	0°07'45
	-12876 Sep 13 j 03:24	0° \mathbb{II}		transit middle	-12875 Aug 10 j 19:33	20° \mathbb{B} 10'20	0°07'45
morning max el	-12876 Sep 19 j 01:26	4° \mathbb{II} 58'09	25°30'36	transit begin	-12875 Aug 10 j 17:08	20° \mathbb{B} 18'30	
	-12876 Oct 08 j 11:00	0° \mathbb{B}		transit end	-12875 Aug 10 j 21:57	20° \mathbb{B} 02'10	
desc. node	-12876 Oct 11 j 17:09	4° \mathbb{B} 58'15		asc. node	-12875 Aug 11 j 06:19	19° \mathbb{B} 33'45	
morning set	-12876 Oct 25 j 01:39	27° \mathbb{B} 21'36		min. Earth dist.	-12875 Aug 11 j 10:16	19° \mathbb{B} 20'19	0.66854 AU
	-12876 Oct 26 j 12:29	0° \mathbb{Q}		morning rise	-12875 Aug 16 j 04:06	13° \mathbb{B} 49'20	
max. Earth dist.	-12876 Oct 28 j 23:58	4° \mathbb{Q} 36'20	1.36728 AU	direct	-12875 Aug 21 j 10:01	11° \mathbb{B} 36'29	
				morning max el	-12875 Sep 01 j 11:17	18° \mathbb{B} 13'51	24°11'42
superior conj	-12876 Nov 03 j 18:53	15° \mathbb{Q} 49'32	-1°36'14		-12875 Sep 11 j 08:22	0° \mathbb{II}	
minimum elong	-12876 Nov 03 j 18:59	15° \mathbb{Q} 50'03	1°35'38	desc. node	-12875 Sep 28 j 14:05	25° \mathbb{II} 13'55	
	-12876 Nov 10 j 19:02	0° \mathbb{P}			-12875 Oct 01 j 13:11	0° \mathbb{B}	
evening rise	-12876 Nov 11 j 18:38	1° \mathbb{P} 59'35		morning set	-12875 Oct 06 j 21:01	8° \mathbb{B} 54'23	
asc. node	-12876 Nov 20 j 08:07	18° \mathbb{P} 13'23		max. Earth dist.	-12875 Oct 10 j 23:53	16° \mathbb{B} 06'42	1.38623 AU
	-12876 Nov 28 j 23:02	0° \mathbb{Q}					
evening max el	-12876 Nov 29 j 12:32	0° \mathbb{Q} 32'42	19°48'49	superior conj	-12875 Oct 18 j 00:59	29° \mathbb{B} 06'08	-1°33'11
retrograde	-12876 Dec 09 j 06:40	5° \mathbb{Q} 08'15		minimum elong	-12875 Oct 17 j 23:29	28° \mathbb{B} 59'00	1°32'23
evening set	-12876 Dec 11 j 20:43	4° \mathbb{Q} 50'23			-12875 Oct 18 j 12:18	0° \mathbb{Q}	
inferior conj	-12876 Dec 20 j 07:29	0° \mathbb{Q} 45'35	3°52'44	evening rise	-12875 Oct 26 j 18:26	16° \mathbb{Q} 05'58	
minimum elong	-12876 Dec 20 j 11:46	0° \mathbb{Q} 38'49	3°52'07		-12875 Nov 03 j 03:32	0° \mathbb{P}	
	-12876 Dec 21 j 12:17	30° \mathbb{R} \mathbb{P}		asc. node	-12875 Nov 07 j 05:29	6° \mathbb{P} 34'47	
min. Earth dist.	-12876 Dec 22 j 15:41	29° \mathbb{P} 17'09	0.56468 AU	evening max el	-12875 Nov 12 j 08:40	12° \mathbb{P} 50'43	18°54'42
morning rise	-12876 Dec 29 j 00:47	26° \mathbb{P} 07'32		retrograde	-12875 Nov 20 j 18:27	16° \mathbb{P} 53'45	
direct	-12875 Jan 02 j 10:54	25° \mathbb{P} 23'46		evening set	-12875 Nov 23 j 06:08	16° \mathbb{P} 33'57	
desc. node	-12875 Jan 07 j 19:15	26° \mathbb{P} 29'12		inferior conj	-12875 Dec 01 j 04:37	12° \mathbb{P} 11'54	4°16'49
	-12875 Jan 13 j 14:27	0° \mathbb{Q}		minimum elong	-12875 Dec 01 j 05:08	12° \mathbb{P} 10'58	4°17'05
morning max el	-12875 Jan 16 j 04:48	2° \mathbb{Q} 16'46	24°05'12	min. Earth dist.	-12875 Dec 04 j 05:55	10° \mathbb{P} 00'30	0.57950 AU
	-12875 Feb 04 j 05:42	0° \mathbb{P}		morning rise	-12875 Dec 09 j 02:13	7° \mathbb{P} 10'37	
morning set	-12875 Feb 09 j 20:34	11° \mathbb{P} 18'29		direct	-12875 Dec 14 j 19:32	5° \mathbb{P} 52'41	
asc. node	-12875 Feb 16 j 05:13	24° \mathbb{P} 56'18		desc. node	-12875 Dec 25 j 15:47	10° \mathbb{P} 17'51	
				morning max el	-12875 Dec 28 j 19:39	13° \mathbb{P} 02'16	25°36'14
superior conj	-12875 Feb 16 j 21:24	26° \mathbb{P} 23'28	0°06'19		-12874 Jan 11 j 02:51	0° \mathbb{Q}	
minimum elong	-12875 Feb 16 j 21:10	26° \mathbb{P} 22'12	0°05'33	morning set	-12874 Jan 25 j 08:51	26° \mathbb{Q} 23'04	
behind sun begin	-12875 Feb 16 j 16:19	25° \mathbb{P} 56'05			-12874 Jan 27 j 01:48	0° \mathbb{P}	
behind sun end	-12875 Feb 17 j 02:01	26° \mathbb{P} 48'19					
max. Earth dist.	-12875 Feb 18 j 16:24	0° \mathbb{X} 13'51	1.33462 AU	superior conj	-12874 Feb 01 j 07:50	11° \mathbb{P} 23'05	-0°16'35
	-12875 Feb 18 j 13:48	0° \mathbb{X}		minimum elong	-12874 Feb 01 j 08:32	11° \mathbb{P} 26'49	0°17'01
evening rise	-12875 Feb 24 j 10:18	12° \mathbb{X} 09'53		max. Earth dist.	-12874 Feb 02 j 03:26	13° \mathbb{P} 09'39	1.32961 AU
	-12875 Mar 05 j 22:18	0° \mathbb{Z}		asc. node	-12874 Feb 03 j 02:32	15° \mathbb{P} 15'01	
	-12875 Mar 26 j 20:43	0° \approx		evening rise	-12874 Feb 08 j 13:35	26° \mathbb{P} 48'35	
evening max el	-12875 Mar 29 j 11:15	2° \approx 40'55	27°27'29		-12874 Feb 10 j 03:15	0° \mathbb{X}	
desc. node	-12875 Apr 05 j 20:09	8° \approx 23'24			-12874 Feb 27 j 10:41	0° \mathbb{Z}	
retrograde	-12875 Apr 12 j 07:40	10° \approx 15'56		evening max el	-12874 Mar 11 j 17:14	14° \mathbb{Z} 59'15	27°06'51

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12874 Mar 23 j 17:13	22° Z 17'38		retrograde	-12873 Mar 07 j 20:29	3° Z 59'23	
retrograde	-12874 Mar 25 j 18:26	22° Z 28'49		desc. node	-12873 Mar 10 j 14:11	3° Z 40'29	
evening set	-12874 Apr 01 j 07:53	20° Z 29'47		evening set	-12873 Mar 13 j 16:28	2° Z 34'18	
min. Earth dist.	-12874 Apr 05 j 06:09	17° Z 36'10	0.60873 AU		-12873 Mar 17 j 21:14	30° R Z	
inferior conj	-12874 Apr 08 j 11:54	14° Z 43'51	-3°05'00	min. Earth dist.	-12873 Mar 18 j 07:02	29° Z 42'07	0.58892 AU
minimum elong	-12874 Apr 08 j 09:52	14° Z 48'24	3°05'35	inferior conj	-12873 Mar 21 j 14:11	27° Z 10'08	-2°26'02
morning rise	-12874 Apr 15 j 13:58	9° Z 51'47		minimum elong	-12873 Mar 21 j 10:55	27° Z 16'27	2°26'12
direct	-12874 Apr 18 j 02:47	9° Z 25'01		morning rise	-12873 Mar 29 j 08:26	22° Z 38'07	
morning max el	-12874 Apr 25 j 01:33	12° Z 51'41	18°07'23	direct	-12873 Mar 31 j 16:36	22° Z 18'54	
asc. node	-12874 May 02 j 01:36	22° Z 08'07		morning max el	-12873 Apr 08 j 11:19	26° Z 03'40	18°30'29
	-12874 May 06 j 15:58	0° \approx			-12873 Apr 11 j 22:11	0° Z	
morning set	-12874 May 11 j 06:35	8° \approx 23'23		asc. node	-12873 Apr 18 j 22:30	11° Z 06'50	
				morning set	-12873 Apr 24 j 15:20	21° Z 45'28	
					-12873 Apr 28 j 22:46	0° \approx	
superior conj	-12874 May 21 j 20:04	27° \approx 29'20	1°48'38				
minimum elong	-12874 May 21 j 19:33	27° \approx 27'02	1°48'10				
	-12874 May 23 j 06:33	0° H		superior conj	-12873 May 04 j 00:29	9° \approx 31'24	1°41'10
max. Earth dist.	-12874 May 29 j 03:17	9° H 59'36	1.41700 AU	minimum elong	-12873 May 03 j 21:57	9° \approx 19'38	1°40'23
evening rise	-12874 Jun 04 j 12:00	20° H 24'02		max. Earth dist.	-12873 May 11 j 05:07	22° \approx 25'18	1.39880 AU
	-12874 Jun 10 j 14:27	0° Y		evening rise	-12873 May 15 j 19:12	0° H 14'47	
desc. node	-12874 Jun 19 j 14:20	13° Y 32'04			-12873 May 15 j 15:40	0° H	
	-12874 Jul 01 j 13:12	0° B			-12873 Jun 04 j 00:20	0° Y	
evening max el	-12874 Jul 07 j 01:38	6° B 20'13	22°05'16	desc. node	-12873 Jun 06 j 11:54	3° Y 29'24	
retrograde	-12874 Jul 16 j 07:03	11° B 48'01		evening max el	-12873 Jun 19 j 14:08	19° Y 39'26	23°27'05
evening set	-12874 Jul 20 j 19:21	9° B 57'50		retrograde	-12873 Jun 29 j 23:46	25° Y 50'25	
inferior conj	-12874 Jul 26 j 01:03	3° B 46'12	-0°56'13	evening set	-12873 Jul 05 j 02:25	23° Y 39'04	
minimum elong	-12874 Jul 26 j 02:09	3° B 42'21	0°55'21	inferior conj	-12873 Jul 10 j 07:24	17° Y 23'59	-1°39'36
min. Earth dist.	-12874 Jul 26 j 05:17	3° B 31'31	0.67189 AU	minimum elong	-12873 Jul 10 j 09:12	17° Y 17'48	1°38'46
	-12874 Jul 28 j 21:22	30° R Y		min. Earth dist.	-12873 Jul 10 j 00:47	17° Y 46'49	0.67219 AU
asc. node	-12874 Jul 29 j 03:05	29° Y 42'56		morning rise	-12873 Jul 15 j 15:57	11° Y 10'01	
morning rise	-12874 Jul 31 j 08:52	27° Y 26'41		asc. node	-12873 Jul 15 j 23:49	10° Y 55'12	
direct	-12874 Aug 05 j 01:06	25° Y 31'50		direct	-12873 Jul 19 j 19:54	9° Y 33'01	
	-12874 Aug 13 j 10:12	0° B		morning max el	-12873 Jul 28 j 14:50	14° Y 48'35	21°27'11
morning max el	-12874 Aug 14 j 22:54	1° B 29'43	22°47'57		-12873 Aug 09 j 12:50	0° B	
	-12874 Sep 05 j 08:26	0° II		morning set	-12873 Aug 28 j 08:03	28° B 18'50	
desc. node	-12874 Sep 15 j 11:07	15° II 41'53			-12873 Aug 29 j 09:42	0° II	
morning set	-12874 Sep 17 j 14:52	19° II 11'23		desc. node	-12873 Sep 02 j 08:18	6° II 17'57	
max. Earth dist.	-12874 Sep 23 j 00:09	28° II 09'51	1.40596 AU	max. Earth dist.	-12873 Sep 05 j 05:06	10° II 57'56	1.42377 AU
	-12874 Sep 24 j 01:56	0° E					
superior conj	-12874 Sep 30 j 14:22	11° E 28'48	-1°20'39	superior conj	-12873 Sep 12 j 05:23	22° II 43'05	-0°56'38
minimum elong	-12874 Sep 30 j 11:11	11° E 14'23	1°19'33	minimum elong	-12873 Sep 12 j 01:27	22° II 26'16	0°55'21
evening rise	-12874 Oct 10 j 09:34	29° E 42'43			-12873 Sep 16 j 10:03	0° E	
	-12874 Oct 10 j 13:13	0° O		evening rise	-12873 Sep 23 j 12:24	12° E 41'04	
asc. node	-12874 Oct 25 j 02:47	24° O 04'49			-12873 Oct 03 j 10:36	0° O	
evening max el	-12874 Oct 26 j 13:22	25° O 36'51	18°20'57	evening max el	-12873 Oct 09 j 24:00	8° O 44'17	18°07'13
retrograde	-12874 Nov 03 j 00:05	29° O 19'51		asc. node	-12873 Oct 12 j 00:01	10° O 28'53	
evening set	-12874 Nov 05 j 11:00	28° O 56'41		retrograde	-12873 Oct 16 j 20:46	12° O 17'58	
inferior conj	-12874 Nov 12 j 20:56	24° O 13'22	4°08'01	evening set	-12873 Oct 19 j 08:57	11° O 49'36	
minimum elong	-12874 Nov 12 j 18:25	24° O 18'35	4°08'16	inferior conj	-12873 Oct 26 j 06:49	6° O 45'27	3°37'24
min. Earth dist.	-12874 Nov 16 j 00:47	21° O 36'18	0.59738 AU	minimum elong	-12873 Oct 26 j 03:02	6° O 54'28	3°37'19
morning rise	-12874 Nov 20 j 00:13	18° O 50'38		min. Earth dist.	-12873 Oct 29 j 03:44	4° O 02'15	0.61561 AU
direct	-12874 Nov 26 j 15:03	16° O 56'04		morning rise	-12873 Nov 01 j 19:49	1° O 04'12	
morning max el	-12874 Dec 10 j 15:13	24° O 15'21	26°46'49		-12873 Nov 03 j 15:04	30° R E	
desc. node	-12874 Dec 12 j 12:19	26° O 08'26		direct	-12873 Nov 08 j 20:13	28° E 40'35	
	-12874 Dec 15 j 22:36	0° M			-12873 Nov 14 j 08:05	0° O	
	-12873 Jan 04 j 02:51	0° U		morning max el	-12873 Nov 22 j 17:18	6° O 07'28	27°26'24
morning set	-12873 Jan 09 j 19:17	11° U 21'50		desc. node	-12873 Nov 29 j 08:54	13° O 29'03	
					-12873 Dec 10 j 21:03	0° M	
superior conj	-12873 Jan 16 j 19:39	26° U 26'47	-0°38'03	morning set	-12873 Dec 25 j 01:53	26° M 07'34	
minimum elong	-12873 Jan 16 j 21:04	26° U 34'30	0°38'10		-12873 Dec 26 j 22:42	0° U	
max. Earth dist.	-12873 Jan 16 j 16:48	26° U 11'14	1.32783 AU	max. Earth dist.	-12873 Dec 31 j 04:50	9° U 05'37	1.32943 AU
	-12873 Jan 18 j 10:41	0° M					
asc. node	-12873 Jan 20 j 23:55	5° M 31'50		superior conj	-12872 Jan 01 j 07:10	11° U 28'34	-0°57'24
evening rise	-12873 Jan 23 j 21:24	11° M 40'04		minimum elong	-12872 Jan 01 j 09:02	11° U 38'43	0°57'16
	-12873 Feb 02 j 09:21	0° Z		asc. node	-12872 Jan 07 j 21:20	25° U 42'24	
evening max el	-12873 Feb 21 j 17:42	26° Z 39'41	26°14'23	evening rise	-12872 Jan 08 j 07:48	26° U 37'31	
	-12873 Feb 25 j 15:49	0° Z			-12872 Jan 09 j 22:48	0° M	
					-12872 Jan 27 j 15:17	0° Z	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12872 Feb 03 j 13:00	7° ♁ 47'36	24°56'20	retrograde	-12871 Jan 28 j 14:13	25° ♁ 09'29	
retrograde	-12872 Feb 17 j 11:42	14° ♁ 48'34		evening set	-12871 Feb 01 j 09:11	24° ♁ 38'03	
evening set	-12872 Feb 22 j 07:08	13° ♁ 55'20		min. Earth dist.	-12871 Feb 08 j 19:18	21° ♁ 10'55	0.55916 AU
desc. node	-12872 Feb 25 j 11:05	12° ♁ 27'40		inferior conj	-12871 Feb 10 j 09:20	20° ♁ 14'06	0°14'16
min. Earth dist.	-12872 Feb 28 j 02:43	10° ♁ 51'17	0.57133 AU	minimum elong	-12871 Feb 10 j 09:54	20° ♁ 13'15	0°13'26
inferior conj	-12872 Mar 01 j 21:11	9° ♁ 00'19	-1°18'49	transit middle	-12871 Feb 10 j 09:54	20° ♁ 13'15	0°13'26
minimum elong	-12872 Mar 01 j 18:30	9° ♁ 04'49	1°18'50	transit begin	-12871 Feb 10 j 07:47	20° ♁ 16'26	
morning rise	-12872 Mar 10 j 09:07	4° ♁ 45'42		transit end	-12871 Feb 10 j 12:01	20° ♁ 10'05	
direct	-12872 Mar 12 j 13:07	4° ♁ 31'57		desc. node	-12871 Feb 11 j 07:52	19° ♁ 40'33	
morning max el	-12872 Mar 21 j 14:34	8° ♁ 49'56	19°13'06	morning rise	-12871 Feb 19 j 12:38	16° ♁ 09'25	
asc. node	-12872 Apr 04 j 19:27	0° ♁ 33'20		direct	-12871 Feb 21 j 16:41	15° ♁ 57'38	
morning set	-12872 Apr 07 j 12:31	0° ♁		morning max el	-12871 Mar 04 j 08:23	21° ♁ 01'36	20°15'15
	-12872 Apr 07 j 11:08	5° ♁ 44'25			-12871 Mar 11 j 13:22	0° ♁	
				morning set	-12871 Mar 22 j 14:41	20° ♁ 11'53	
superior conj	-12872 Apr 15 j 23:19	22° ♁ 30'55	1°25'52	asc. node	-12871 Mar 22 j 16:31	20° ♁ 21'05	
minimum elong	-12872 Apr 15 j 20:13	22° ♁ 15'59	1°24'46		-12871 Mar 27 j 09:49	0° ♁	
	-12872 Apr 19 j 21:45	0° ♁					
max. Earth dist.	-12872 Apr 22 j 05:00	4° ♁ 15'19	1.38016 AU	superior conj	-12871 Mar 30 j 11:38	6° ♁ 14'41	1°05'51
evening rise	-12872 Apr 26 j 05:44	11° ♁ 28'28		minimum elong	-12871 Mar 30 j 08:57	6° ♁ 01'07	1°04'37
	-12872 May 07 j 09:28	0° ♁		max. Earth dist.	-12871 Apr 04 j 09:45	15° ♁ 56'37	1.36332 AU
desc. node	-12872 May 23 j 09:28	23° ♁ 00'29		evening rise	-12871 Apr 08 j 15:14	23° ♁ 54'00	
	-12872 May 29 j 04:23	0° ♁			-12871 Apr 12 j 00:27	0° ♁	
evening max el	-12872 May 31 j 23:53	2° ♁ 59'06	24°48'30		-12871 Apr 30 j 23:55	0° ♁	
retrograde	-12872 Jun 12 j 12:51	9° ♁ 48'14		desc. node	-12871 May 10 j 06:57	11° ♁ 54'45	
evening set	-12872 Jun 18 j 06:00	7° ♁ 18'22		evening max el	-12871 May 14 j 09:47	16° ♁ 20'40	26°00'47
min. Earth dist.	-12872 Jun 22 j 18:23	2° ♁ 03'30	0.66918 AU	retrograde	-12871 May 26 j 21:27	23° ♁ 36'29	
inferior conj	-12872 Jun 23 j 12:40	1° ♁ 02'09	-2°17'23	evening set	-12871 Jun 02 j 03:59	20° ♁ 53'54	
minimum elong	-12872 Jun 23 j 14:50	0° ♁ 54'55	2°16'47	min. Earth dist.	-12871 Jun 06 j 07:45	16° ♁ 18'18	0.66258 AU
	-12872 Jun 24 j 07:18	30° ♁		inferior conj	-12871 Jun 07 j 14:56	14° ♁ 38'45	-2°48'11
morning rise	-12872 Jun 28 j 23:38	24° ♁ 56'59		minimum elong	-12871 Jun 07 j 17:03	14° ♁ 32'00	2°47'58
asc. node	-12872 Jul 01 j 20:32	23° ♁ 40'38		morning rise	-12871 Jun 13 j 06:11	8° ♁ 45'29	
direct	-12872 Jul 02 j 17:07	23° ♁ 36'29		direct	-12871 Jun 16 j 15:05	7° ♁ 39'42	
morning max el	-12872 Jul 10 j 12:46	28° ♁ 12'20	20°15'33	asc. node	-12871 Jun 18 j 17:14	8° ♁ 03'39	
	-12872 Jul 12 j 04:11	0° ♁		morning max el	-12871 Jun 23 j 17:02	11° ♁ 42'25	19°17'15
	-12872 Aug 02 j 01:59	0° ♁			-12871 Jul 06 j 22:54	0° ♁	
morning set	-12872 Aug 06 j 11:51	6° ♁ 49'48		morning set	-12871 Jul 16 j 21:44	15° ♁ 38'35	
max. Earth dist.	-12872 Aug 17 j 15:43	24° ♁ 25'57	1.43725 AU		-12871 Jul 25 j 23:59	0° ♁	
desc. node	-12872 Aug 19 j 05:36	26° ♁ 58'13		max. Earth dist.	-12871 Jul 31 j 06:56	8° ♁ 22'02	1.44466 AU
	-12872 Aug 21 j 02:32	0° ♁					
				superior conj	-12871 Aug 02 j 04:03	11° ♁ 21'04	0°23'12
superior conj	-12872 Aug 22 j 17:21	2° ♁ 38'03	-0°20'42	minimum elong	-12871 Aug 02 j 06:50	11° ♁ 32'07	0°23'26
minimum elong	-12872 Aug 22 j 15:19	2° ♁ 29'45	0°19'43	desc. node	-12871 Aug 06 j 02:59	17° ♁ 39'27	
evening rise	-12872 Sep 04 j 22:04	24° ♁ 49'01			-12871 Aug 13 j 18:34	0° ♁	
	-12872 Sep 07 j 22:23	0° ♁		evening rise	-12871 Aug 17 j 08:53	5° ♁ 52'27	
evening max el	-12872 Sep 22 j 13:34	22° ♁ 05'51	18°12'32		-12871 Sep 01 j 14:03	0° ♁	
asc. node	-12872 Sep 27 j 21:10	25° ♁ 30'46		evening max el	-12871 Sep 06 j 03:03	5° ♁ 34'59	18°35'45
retrograde	-12872 Sep 29 j 04:28	25° ♁ 39'33		retrograde	-12871 Sep 12 j 19:27	9° ♁ 17'36	
evening set	-12872 Oct 01 j 20:15	25° ♁ 03'30		asc. node	-12871 Sep 14 j 18:15	8° ♁ 56'26	
inferior conj	-12872 Oct 08 j 07:02	19° ♁ 40'37	2°54'07	evening set	-12871 Sep 15 j 17:09	8° ♁ 30'50	
minimum elong	-12872 Oct 08 j 03:21	19° ♁ 50'27	2°53'53	inferior conj	-12871 Sep 21 j 18:16	2° ♁ 51'54	2°04'24
min. Earth dist.	-12872 Oct 10 j 16:25	17° ♁ 08'01	0.63223 AU	minimum elong	-12871 Sep 21 j 15:26	3° ♁ 00'11	2°04'18
morning rise	-12872 Oct 14 j 09:30	13° ♁ 44'03		min. Earth dist.	-12871 Sep 23 j 14:52	0° ♁ 41'17	0.64625 AU
direct	-12872 Oct 21 j 09:21	11° ♁ 04'25			-12871 Sep 24 j 05:24	30° ♁	
morning max el	-12872 Nov 04 j 00:25	18° ♁ 35'48	27°31'32	morning rise	-12871 Sep 27 j 13:07	26° ♁ 43'22	
	-12872 Nov 13 j 19:44	0° ♁		direct	-12871 Oct 04 j 05:06	24° ♁ 00'45	
desc. node	-12872 Nov 15 j 05:31	1° ♁ 54'12			-12871 Oct 15 j 19:49	0° ♁	
	-12872 Dec 02 j 15:11	0° ♁		morning max el	-12871 Oct 17 j 10:12	1° ♁ 30'38	27°04'18
morning set	-12872 Dec 08 j 02:19	10° ♁ 32'04		desc. node	-12871 Nov 02 j 02:10	21° ♁ 04'40	
max. Earth dist.	-12872 Dec 13 j 11:52	21° ♁ 40'38	1.33471 AU		-12871 Nov 07 j 21:49	0° ♁	
				morning set	-12871 Nov 21 j 17:27	24° ♁ 24'24	
superior conj	-12872 Dec 15 j 16:40	26° ♁ 22'20	-1°13'52		-12871 Nov 24 j 13:38	0° ♁	
minimum elong	-12872 Dec 15 j 18:38	26° ♁ 32'54	1°13'35	max. Earth dist.	-12871 Nov 26 j 10:32	3° ♁ 46'53	1.34410 AU
	-12872 Dec 17 j 09:07	0° ♁					
evening rise	-12872 Dec 22 j 19:05	11° ♁ 34'57		superior conj	-12871 Nov 29 j 22:06	10° ♁ 59'53	-1°26'38
asc. node	-12872 Dec 24 j 18:46	15° ♁ 42'00		minimum elong	-12871 Nov 29 j 23:44	11° ♁ 08'32	1°26'14
	-12871 Jan 01 j 08:09	0° ♁		evening rise	-12871 Dec 07 j 05:32	26° ♁ 25'27	
evening max el	-12871 Jan 15 j 06:23	18° ♁ 40'40	23°24'13		-12871 Dec 08 j 23:10	0° ♁	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12871 Dec 11 j 16:12	5°♌24'11		evening rise	-12870 Nov 21 j 13:28	11°♏03'29	
evening max el	-12871 Dec 28 j 02:39	29°♌39'41	21°51'12	asc. node	-12870 Nov 28 j 13:37	24°♏41'58	
	-12871 Dec 28 j 11:28	0°♌			-12870 Dec 01 j 16:07	0°♌	
retrograde	-12870 Jan 09 j 06:26	5°♌25'18		evening max el	-12870 Dec 10 j 06:37	11°♌03'45	20°28'34
evening set	-12870 Jan 12 j 08:11	5°♌04'16		retrograde	-12870 Dec 20 j 22:08	16°♌03'40	
inferior conj	-12870 Jan 21 j 08:47	1°♌01'02	1°56'35	evening set	-12870 Dec 23 j 14:47	15°♌45'49	
minimum elong	-12870 Jan 21 j 13:25	0°♌54'26	1°54'47	inferior conj	-12869 Jan 01 j 07:48	11°♌45'37	3°20'46
min. Earth dist.	-12870 Jan 21 j 09:36	0°♌59'52	0.55475 AU	minimum elong	-12869 Jan 01 j 13:25	11°♌37'14	3°19'26
	-12870 Jan 23 j 03:58	30°♌♌		min. Earth dist.	-12869 Jan 02 j 22:40	10°♌47'45	0.55886 AU
desc. node	-12870 Jan 29 j 04:34	27°♌17'14		morning rise	-12869 Jan 10 j 10:32	7°♌21'07	
morning rise	-12870 Jan 30 j 18:40	26°♌53'39		direct	-12869 Jan 14 j 01:49	6°♌52'02	
direct	-12870 Feb 02 j 09:22	26°♌38'13		desc. node	-12869 Jan 16 j 01:10	7°♌00'53	
	-12870 Feb 11 j 14:22	0°♌		morning max el	-12869 Jan 27 j 10:52	13°♌27'45	23°09'22
morning max el	-12870 Feb 14 j 14:46	2°♌32'10	21°35'42		-12869 Feb 08 j 23:05	0°♌	
	-12870 Mar 04 j 12:34	0°♌♌		morning set	-12869 Feb 19 j 10:49	19°♌58'21	
morning set	-12870 Mar 06 j 23:18	4°♌58'57		asc. node	-12869 Feb 24 j 10:50	0°♌36'06	
asc. node	-12870 Mar 09 j 13:38	10°♌23'38			-12869 Feb 24 j 04:06	0°♌♌	
superior conj	-12870 Mar 14 j 09:34	20°♌30'47	0°43'18	superior conj	-12869 Feb 26 j 14:07	5°♌10'03	0°19'48
minimum elong	-12870 Mar 14 j 07:43	20°♌21'14	0°42'09	minimum elong	-12869 Feb 26 j 13:18	5°♌05'41	0°18'53
max. Earth dist.	-12870 Mar 17 j 23:56	27°♌53'31	1.34947 AU	max. Earth dist.	-12869 Feb 28 j 23:59	10°♌15'59	1.33905 AU
	-12870 Mar 19 j 01:08	0°♌♌		evening rise	-12869 Mar 06 j 08:48	21°♌13'17	
evening rise	-12870 Mar 22 j 17:51	7°♌13'49			-12869 Mar 10 j 22:36	0°♌♌	
	-12870 Apr 04 j 16:05	0°♌♌			-12869 Mar 29 j 13:37	0°♌♌	
evening max el	-12870 Apr 26 j 20:35	29°♌38'07	26°55'16	evening max el	-12869 Apr 09 j 07:01	12°♌40'43	27°24'20
desc. node	-12870 Apr 27 j 04:21	29°♌57'05		desc. node	-12869 Apr 14 j 01:38	16°♌46'17	
	-12870 Apr 27 j 05:33	0°♌♌		retrograde	-12869 Apr 22 j 22:44	20°♌16'37	
retrograde	-12870 May 10 j 00:54	7°♌08'39		evening set	-12869 Apr 29 j 20:42	17°♌38'41	
evening set	-12870 May 16 j 17:52	4°♌22'23		min. Earth dist.	-12869 May 03 j 13:15	14°♌14'49	0.63765 AU
min. Earth dist.	-12870 May 20 j 14:36	0°♌25'15	0.65208 AU	inferior conj	-12869 May 06 j 01:20	11°♌33'02	-3°20'49
	-12870 May 20 j 23:14	30°♌♌		minimum elong	-12869 May 06 j 01:50	11°♌31'41	3°21'26
inferior conj	-12870 May 22 j 12:01	28°♌10'36	-3°10'11	morning rise	-12869 May 12 j 07:49	6°♌11'23	
minimum elong	-12870 May 22 j 13:36	28°♌05'54	3°10'26	direct	-12869 May 15 j 04:04	5°♌29'56	
morning rise	-12870 May 28 j 09:40	22°♌32'00		morning max el	-12869 May 21 j 15:35	8°♌55'01	18°09'47
direct	-12870 May 31 j 11:37	21°♌39'12		asc. node	-12869 May 23 j 10:40	10°♌53'11	
asc. node	-12870 Jun 05 j 13:57	23°♌53'09			-12869 Jun 04 j 19:33	0°♌♌	
morning max el	-12870 Jun 07 j 02:38	25°♌17'54	18°34'52	morning set	-12869 Jun 08 j 12:39	6°♌21'25	
	-12870 Jun 11 j 00:54	0°♌♌		superior conj	-12869 Jun 21 j 16:02	28°♌23'28	1°34'46
morning set	-12870 Jun 27 j 04:39	25°♌25'27		minimum elong	-12869 Jun 21 j 21:13	28°♌44'40	1°34'24
	-12870 Jun 29 j 23:54	0°♌♌			-12869 Jun 22 j 15:43	0°♌♌	
superior conj	-12870 Jul 12 j 04:14	19°♌35'02	1°05'14	max. Earth dist.	-12869 Jun 26 j 14:42	6°♌23'17	1.43858 AU
minimum elong	-12870 Jul 12 j 10:41	20°♌00'38	1°04'53	evening rise	-12869 Jul 07 j 23:42	24°♌19'02	
max. Earth dist.	-12870 Jul 13 j 23:54	22°♌28'18	1.44508 AU	desc. node	-12869 Jul 10 j 22:02	28°♌51'25	
	-12870 Jul 18 j 18:08	0°♌♌			-12869 Jul 11 j 15:49	0°♌♌	
desc. node	-12870 Jul 24 j 00:29	8°♌18'28			-12869 Aug 01 j 10:43	0°♌♌	
evening rise	-12870 Jul 28 j 16:25	15°♌40'05		evening max el	-12869 Aug 03 j 18:40	2°♌34'50	20°11'37
	-12870 Aug 06 j 19:12	0°♌♌		retrograde	-12869 Aug 11 j 11:20	7°♌03'08	
evening max el	-12870 Aug 20 j 13:36	19°♌06'19	19°15'50	evening set	-12869 Aug 15 j 03:25	5°♌45'15	
retrograde	-12870 Aug 27 j 14:37	23°♌06'58		asc. node	-12869 Aug 19 j 12:06	1°♌10'39	
evening set	-12870 Aug 30 j 20:26	22°♌06'17			-12869 Aug 20 j 09:35	30°♌♌	
asc. node	-12870 Sep 01 j 15:13	20°♌43'09		inferior conj	-12869 Aug 20 j 14:32	29°♌43'31	0°20'31
inferior conj	-12870 Sep 05 j 13:35	16°♌14'23	1°12'20	minimum elong	-12869 Aug 20 j 14:04	29°♌45'04	0°21'03
minimum elong	-12870 Sep 05 j 11:56	16°♌19'38	1°12'32	min. Earth dist.	-12869 Aug 21 j 11:35	28°♌33'25	0.66521 AU
min. Earth dist.	-12870 Sep 06 j 21:56	14°♌32'15	0.65724 AU	morning rise	-12869 Aug 26 j 00:29	23°♌22'18	
morning rise	-12870 Sep 11 j 03:03	9°♌57'30		direct	-12869 Aug 31 j 14:23	21°♌00'07	
direct	-12870 Sep 17 j 06:54	7°♌21'56		morning max el	-12869 Sep 12 j 06:42	27°♌56'59	24°58'17
morning max el	-12870 Sep 29 j 20:41	14°♌41'19	26°10'36		-12869 Sep 14 j 05:37	0°♌♌	
	-12870 Oct 12 j 12:47	0°♌♌			-12869 Oct 06 j 06:12	0°♌♌	
desc. node	-12870 Oct 19 j 22:55	10°♌47'37		desc. node	-12869 Oct 06 j 19:45	0°♌53'05	
	-12870 Oct 31 j 15:16	0°♌♌		morning set	-12869 Oct 18 j 03:35	19°♌45'03	
morning set	-12870 Nov 04 j 19:30	7°♌33'16		max. Earth dist.	-12869 Oct 22 j 01:44	26°♌49'16	1.37508 AU
max. Earth dist.	-12870 Nov 08 j 22:50	15°♌25'00	1.35775 AU		-12869 Oct 23 j 18:50	0°♌♌	
superior conj	-12870 Nov 13 j 21:03	25°♌13'38	-1°34'29	superior conj	-12869 Oct 28 j 10:24	8°♌53'49	-1°35'58
minimum elong	-12870 Nov 13 j 21:53	25°♌17'49	1°33'59	minimum elong	-12869 Oct 28 j 09:52	8°♌51'14	1°35'18
	-12870 Nov 16 j 04:58	0°♌♌		evening rise	-12869 Nov 05 j 16:52	25°♌22'55	


































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12869 Nov 08 j 00:48	0°♊				-12868 Oct 14 j 17:53	0°♊	
asc. node	-12869 Nov 15 j 10:59	13°♊26'53		evening rise		-12868 Oct 19 j 13:20	9°♊17'16	
evening max el	-12869 Nov 22 j 20:50	23°♊02'05	19°23'16			-12868 Oct 31 j 06:51	0°♊	
retrograde	-12869 Dec 02 j 00:32	27°♊22'43		asc. node		-12868 Nov 01 j 08:19	1°♊28'13	
evening set	-12869 Dec 04 j 13:06	27°♊04'23		evening max el		-12868 Nov 04 j 20:57	5°♊33'19	18°37'55
inferior conj	-12869 Dec 12 j 18:45	22°♊53'04	4°07'38	retrograde		-12868 Nov 12 j 19:47	9°♊26'10	
minimum elong	-12869 Dec 12 j 21:31	22°♊48'27	4°07'30	evening set		-12868 Nov 15 j 06:53	9°♊05'12	
min. Earth dist.	-12869 Dec 15 j 12:09	21°♊04'28	0.57040 AU	inferior conj		-12868 Nov 23 j 00:04	4°♊34'43	4°16'28
morning rise	-12869 Dec 21 j 03:49	18°♊04'35		minimum elong		-12868 Nov 22 j 23:06	4°♊36'34	4°16'48
direct	-12869 Dec 26 j 03:36	17°♊07'30		min. Earth dist.		-12868 Nov 26 j 04:12	2°♊09'38	0.58688 AU
desc. node	-12868 Jan 02 j 21:43	19°♊24'24				-12868 Nov 29 j 10:27	30°♊♊	
morning max el	-12868 Jan 09 j 01:48	24°♊09'32	24°45'32	morning rise		-12868 Nov 30 j 13:25	29°♊23'51	
	-12868 Jan 14 j 09:27	0°♊		direct		-12868 Dec 06 j 17:28	27°♊49'35	
	-12868 Feb 01 j 12:38	0°♊				-12868 Dec 14 j 03:38	0°♊	
morning set	-12868 Feb 03 j 23:20	5°♊03'23		desc. node		-12868 Dec 19 j 18:16	4°♊09'06	
				morning max el		-12868 Dec 20 j 18:07	5°♊04'31	26°09'27
superior conj	-12868 Feb 10 j 23:00	20°♊04'53	-0°03'34			-12867 Jan 08 j 00:25	0°♊	
minimum elong	-12868 Feb 10 j 23:11	20°♊05'50	0°04'10	morning set		-12867 Jan 18 j 11:04	20°♊06'32	
behind sun begin	-12868 Feb 10 j 18:15	19°♊39'08				-12867 Jan 23 j 01:53	0°♊	
behind sun end	-12868 Feb 11 j 04:07	20°♊32'31						
asc. node	-12868 Feb 11 j 08:08	20°♊54'13		superior conj		-12867 Jan 25 j 10:15	5°♊07'33	-0°25'54
max. Earth dist.	-12868 Feb 12 j 07:48	23°♊01'54	1.33205 AU	minimum elong		-12867 Jan 25 j 11:17	5°♊13'08	0°26'11
	-12868 Feb 15 j 14:23	0°♊		max. Earth dist.		-12867 Jan 25 j 20:08	6°♊01'25	1.32843 AU
evening rise	-12868 Feb 18 j 08:26	5°♊40'58		asc. node		-12867 Jan 28 j 05:26	11°♊12'50	
	-12868 Mar 02 j 14:07	0°♊		evening rise		-12867 Feb 01 j 13:55	20°♊26'30	
evening max el	-12868 Mar 21 j 15:12	25°♊18'19	27°22'42			-12867 Feb 06 j 08:45	0°♊	
	-12868 Mar 27 j 08:43	0°♊				-12867 Feb 25 j 04:16	0°♊	
desc. node	-12868 Mar 30 j 22:48	1°♊54'33		evening max el		-12867 Mar 03 j 19:04	7°♊21'25	26°48'14
retrograde	-12868 Apr 04 j 14:16	2°♊52'29		retrograde		-12867 Mar 17 j 21:49	14°♊47'48	
evening set	-12868 Apr 11 j 09:21	0°♊36'05		desc. node		-12867 Mar 17 j 19:52	14°♊47'47	
	-12868 Apr 12 j 05:57	30°♊♊		evening set		-12867 Mar 24 j 04:41	13°♊03'08	
min. Earth dist.	-12868 Apr 15 j 03:04	27°♊35'12	0.61987 AU	min. Earth dist.		-12867 Mar 28 j 08:30	10°♊11'33	0.60021 AU
inferior conj	-12868 Apr 18 j 03:54	24°♊40'49	-3°16'23	inferior conj		-12867 Mar 31 j 16:06	7°♊25'09	-2°51'44
minimum elong	-12868 Apr 18 j 02:50	24°♊43'23	3°17'05	minimum elong		-12867 Mar 31 j 13:25	7°♊30'49	2°52'09
morning rise	-12868 Apr 24 j 21:59	19°♊37'44		morning rise		-12867 Apr 08 j 00:43	2°♊41'30	
direct	-12868 Apr 27 j 13:18	19°♊06'08		direct		-12867 Apr 10 j 11:26	2°♊18'14	
morning max el	-12868 May 04 j 05:31	22°♊28'56	18°02'52	morning max el		-12867 Apr 17 j 17:35	5°♊51'16	18°14'47
asc. node	-12868 May 09 j 07:28	28°♊49'24		asc. node		-12867 Apr 26 j 04:19	17°♊28'21	
	-12868 May 10 j 02:16	0°♊				-12867 May 03 j 03:01	0°♊	
morning set	-12868 May 20 j 19:21	18°♊23'02		morning set		-12867 May 03 j 19:57	1°♊19'02	
	-12868 May 27 j 08:03	0°♊						
superior conj	-12868 Jun 01 j 05:06	8°♊26'45	1°47'49	superior conj		-12867 May 13 j 20:22	19°♊48'13	1°46'39
minimum elong	-12868 Jun 01 j 06:30	8°♊32'43	1°47'28	minimum elong		-12867 May 13 j 18:46	19°♊41'04	1°46'04
max. Earth dist.	-12868 Jun 08 j 00:42	19°♊50'52	1.42616 AU			-12867 May 19 j 15:42	0°♊	
	-12868 Jun 14 j 07:53	0°♊		max. Earth dist.		-12867 May 21 j 05:11	2°♊40'01	1.40950 AU
evening rise	-12868 Jun 16 j 00:05	2°♊38'42		evening rise		-12867 May 26 j 16:15	11°♊44'53	
desc. node	-12868 Jun 26 j 19:35	19°♊14'36				-12867 Jun 07 j 08:00	0°♊	
	-12868 Jul 04 j 03:52	0°♊		desc. node		-12867 Jun 13 j 17:11	9°♊23'04	
evening max el	-12868 Jul 16 j 16:53	15°♊59'15	21°20'51	evening max el		-12867 Jun 29 j 08:30	29°♊20'02	22°39'46
retrograde	-12868 Jul 25 j 07:37	21°♊03'42				-12867 Jun 30 j 00:38	0°♊	
evening set	-12868 Jul 29 j 11:58	19°♊25'59		retrograde		-12867 Jul 09 j 01:51	5°♊06'10	
inferior conj	-12868 Aug 03 j 19:03	13°♊17'16	-0°29'10	evening set		-12867 Jul 13 j 20:06	3°♊07'06	
minimum elong	-12868 Aug 03 j 19:38	13°♊15'14	0°28'22			-12867 Jul 16 j 17:52	30°♊♊	
min. Earth dist.	-12868 Aug 04 j 05:26	12°♊41'34	0.67028 AU	inferior conj		-12867 Jul 19 j 01:14	26°♊53'56	-1°15'14
asc. node	-12868 Aug 05 j 08:56	11°♊08'31		minimum elong		-12867 Jul 19 j 02:41	26°♊48'56	1°14'21
morning rise	-12868 Aug 09 j 03:09	6°♊55'49		min. Earth dist.		-12867 Jul 19 j 01:01	26°♊54'41	0.67239 AU
direct	-12868 Aug 14 j 03:05	4°♊50'27		asc. node		-12867 Jul 23 j 05:43	21°♊38'54	
morning max el	-12868 Aug 24 j 17:00	11°♊12'31	23°36'07	morning rise		-12867 Jul 24 j 09:09	20°♊36'13	
	-12868 Sep 08 j 14:55	0°♊		direct		-12867 Jul 28 j 20:03	18°♊48'47	
desc. node	-12868 Sep 22 j 16:43	21°♊14'19		morning max el		-12867 Aug 07 j 06:00	24°♊28'40	22°12'47
	-12868 Sep 28 j 01:25	0°♊				-12867 Aug 12 j 01:46	0°♊	
morning set	-12868 Sep 28 j 12:29	0°♊46'18		morning set		-12867 Sep 02 j 02:31	0°♊	
max. Earth dist.	-12868 Oct 03 j 00:30	8°♊28'23	1.39461 AU	desc. node		-12867 Sep 08 j 19:13	10°♊31'35	
				max. Earth dist.		-12867 Sep 09 j 13:48	11°♊46'16	
superior conj	-12868 Oct 10 j 10:01	21°♊48'59	-1°29'10			-12867 Sep 15 j 02:07	20°♊49'16	1.41388 AU
minimum elong	-12868 Oct 10 j 07:46	21°♊38'31	1°28'15			-12867 Sep 20 j 11:18	0°♊	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12867 Sep 22 j 14:41	3° $\overline{5}$ 45'08	-1°11'58	evening rise	-12866 Sep 15 j 19:57	5° $\overline{5}$ 17'43	
minimum elong	-12867 Sep 22 j 10:58	3° $\overline{5}$ 28'45	1°10'46		-12866 Oct 01 j 02:54	0° Ω	
evening rise	-12867 Oct 02 j 23:46	22° $\overline{5}$ 39'08		evening max el	-12866 Oct 02 j 16:55	1° Ω 44'39	18°07'14
	-12867 Oct 06 j 23:27	0° Ω		asc. node	-12866 Oct 06 j 02:50	4° Ω 24'06	
evening max el	-12867 Oct 19 j 04:40	18° Ω 30'32	18°12'50	retrograde	-12866 Oct 09 j 10:09	5° Ω 17'15	
asc. node	-12867 Oct 19 j 05:37	18° Ω 32'51		evening set	-12866 Oct 11 j 23:40	4° Ω 45'50	
retrograde	-12867 Oct 26 j 08:12	22° Ω 07'58			-12866 Oct 18 j 05:50	30° \overline{R} $\overline{5}$	
evening set	-12867 Oct 28 j 19:32	21° Ω 42'43		inferior conj	-12866 Oct 18 j 16:37	29° $\overline{5}$ 33'05	3°20'09
inferior conj	-12867 Nov 05 j 00:14	16° Ω 50'27	3°57'07	minimum elong	-12866 Oct 18 j 12:44	29° $\overline{5}$ 42'47	3°19'59
minimum elong	-12867 Nov 04 j 20:58	16° Ω 57'39	3°57'13	min. Earth dist.	-12866 Oct 21 j 08:47	26° $\overline{5}$ 53'01	0.62293 AU
min. Earth dist.	-12867 Nov 08 j 02:03	14° Ω 08'36	0.60522 AU	morning rise	-12866 Oct 25 j 00:44	23° $\overline{5}$ 45'04	
morning rise	-12867 Nov 11 j 20:59	11° Ω 19'54		direct	-12866 Nov 01 j 01:55	21° $\overline{5}$ 13'21	
direct	-12867 Nov 18 j 17:32	9° Ω 11'28		morning max el	-12866 Nov 14 j 20:45	28° $\overline{5}$ 41'51	27°32'54
morning max el	-12867 Dec 02 j 16:15	16° Ω 33'37	27°07'46		-12866 Nov 16 j 04:10	0° Ω	
desc. node	-12867 Dec 06 j 14:49	20° Ω 42'05		desc. node	-12866 Nov 23 j 11:23	8° Ω 32'29	
	-12867 Dec 13 j 20:57	0° \overline{M}			-12866 Dec 07 j 14:02	0° \overline{M}	
	-12867 Dec 31 j 09:02	0° $\underline{5}$		morning set	-12866 Dec 18 j 00:27	19° \overline{M} 38'57	
morning set	-12866 Jan 02 j 20:10	5° $\underline{5}$ 01'15			-12866 Dec 22 j 23:20	0° $\underline{5}$	
				max. Earth dist.	-12866 Dec 23 j 20:02	1° $\underline{5}$ 51'04	1.33126 AU
superior conj	-12866 Jan 09 j 22:11	20° $\underline{5}$ 11'55	-0°46'32	superior conj	-12866 Dec 25 j 09:03	5° $\underline{5}$ 10'51	-1°04'46
minimum elong	-12866 Jan 09 j 23:50	20° $\underline{5}$ 20'53	0°46'33	minimum elong	-12866 Dec 25 j 11:00	5° $\underline{5}$ 21'27	1°04'35
max. Earth dist.	-12866 Jan 09 j 09:28	19° $\underline{5}$ 02'32	1.32815 AU	evening rise	-12865 Jan 01 j 10:06	20° $\underline{5}$ 20'35	
	-12866 Jan 14 j 10:23	0° \overline{M}		asc. node	-12865 Jan 02 j 00:15	21° $\underline{5}$ 34'41	
asc. node	-12866 Jan 15 j 02:49	1° \overline{M} 28'05			-12865 Jan 06 j 04:23	0° \overline{M}	
evening rise	-12866 Jan 16 j 23:07	5° \overline{M} 22'19		evening max el	-12865 Jan 26 j 11:20	29° \overline{M} 46'53	24°18'01
	-12866 Jan 30 j 04:29	0° \overline{M}			-12865 Jan 26 j 16:56	0° \overline{M}	
evening max el	-12866 Feb 13 j 17:26	18° \overline{M} 48'05	25°43'44	retrograde	-12865 Feb 09 j 04:49	6° \overline{M} 35'37	
retrograde	-12866 Feb 27 j 19:13	26° \overline{M} 00'12		evening set	-12865 Feb 13 j 13:41	5° \overline{M} 52'53	
desc. node	-12866 Mar 04 j 16:50	25° \overline{M} 02'23		desc. node	-12865 Feb 19 j 13:41	2° \overline{M} 57'45	
evening set	-12866 Mar 05 j 05:19	24° \overline{M} 49'43		min. Earth dist.	-12865 Feb 20 j 00:45	2° \overline{M} 40'44	0.56541 AU
min. Earth dist.	-12866 Mar 10 j 06:58	21° \overline{M} 53'52	0.58108 AU	inferior conj	-12865 Feb 22 j 09:06	1° \overline{M} 11'40	-0°41'54
inferior conj	-12866 Mar 13 j 10:29	19° \overline{M} 37'29	-2°01'08	minimum elong	-12865 Feb 22 j 07:30	1° \overline{M} 14'13	0°42'09
minimum elong	-12866 Mar 13 j 07:09	19° \overline{M} 43'32	2°01'09		-12865 Feb 24 j 07:13	30° \overline{R} \overline{M}	
morning rise	-12866 Mar 21 j 12:10	15° \overline{M} 12'59		morning rise	-12865 Mar 03 j 04:14	27° \overline{M} 02'49	
direct	-12866 Mar 23 j 18:31	14° \overline{M} 56'19		direct	-12865 Mar 05 j 07:39	26° \overline{M} 50'18	
morning max el	-12866 Apr 01 j 00:53	18° \overline{M} 53'22	18°46'05		-12865 Mar 13 j 08:52	0° \overline{M}	
	-12866 Apr 09 j 06:56	0° \overline{Z}		morning max el	-12865 Mar 15 j 00:26	1° \overline{M} 25'59	19°37'10
asc. node	-12866 Apr 13 j 01:13	6° \overline{Z} 40'01		asc. node	-12865 Mar 30 j 22:13	26° \overline{M} 16'36	
morning set	-12866 Apr 17 j 09:52	14° \overline{Z} 58'25		morning set	-12865 Apr 01 j 09:21	29° \overline{M} 11'02	
	-12866 Apr 25 j 04:25	0° \approx			-12865 Apr 01 j 19:08	0° \overline{Z}	
superior conj	-12866 Apr 26 j 09:16	2° \approx 16'26	1°35'26	superior conj	-12865 Apr 09 j 14:24	15° \overline{Z} 36'53	1°17'49
minimum elong	-12866 Apr 26 j 06:20	2° \approx 02'39	1°34'29	minimum elong	-12865 Apr 09 j 11:24	15° \overline{Z} 22'07	1°16'38
max. Earth dist.	-12866 May 03 j 05:56	14° \approx 50'10	1.39088 AU	max. Earth dist.	-12865 Apr 15 j 07:27	26° \overline{Z} 34'46	1.37271 AU
evening rise	-12866 May 07 j 11:22	22° \approx 11'41			-12865 Apr 17 j 03:49	0° \approx	
	-12866 May 12 j 03:25	0° \overline{H}		evening rise	-12865 Apr 19 j 08:21	3° \approx 57'59	
desc. node	-12866 May 31 j 14:46	29° \overline{H} 10'25			-12865 May 05 j 03:42	0° \overline{H}	
	-12866 Jun 01 j 05:33	0° \overline{Y}		desc. node	-12865 May 18 j 12:19	18° \overline{H} 27'46	
evening max el	-12866 Jun 11 j 19:36	12° \overline{Y} 39'42	24°02'19	evening max el	-12865 May 25 j 05:06	26° \overline{H} 00'30	25°20'48
retrograde	-12866 Jun 22 j 16:58	19° \overline{Y} 07'11			-12865 May 29 j 18:13	0° \overline{Y}	
evening set	-12866 Jun 28 j 01:55	16° \overline{Y} 47'30		retrograde	-12865 Jun 06 j 04:10	3° \overline{Y} 02'23	
inferior conj	-12866 Jul 03 j 07:21	10° \overline{Y} 31'57	-1°56'25	evening set	-12865 Jun 12 j 03:25	0° \overline{Y} 25'53	
minimum elong	-12866 Jul 03 j 09:21	10° \overline{Y} 25'08	1°55'39		-12865 Jun 12 j 14:39	30° \overline{R} \overline{H}	
min. Earth dist.	-12866 Jul 02 j 19:55	11° \overline{Y} 10'58	0.67137 AU	min. Earth dist.	-12865 Jun 16 j 11:52	25° \overline{H} 27'57	0.66687 AU
morning rise	-12866 Jul 08 j 16:43	4° \overline{Y} 21'29		inferior conj	-12865 Jun 17 j 11:34	24° \overline{H} 09'57	-2°31'26
asc. node	-12866 Jul 10 j 02:28	3° \overline{Y} 28'45		minimum elong	-12865 Jun 17 j 13:46	24° \overline{H} 02'43	2°30'58
direct	-12866 Jul 12 j 16:05	2° \overline{Y} 51'36		morning rise	-12865 Jun 23 j 00:08	18° \overline{H} 09'47	
morning max el	-12866 Jul 21 j 00:18	7° \overline{Y} 49'04	20°55'19	direct	-12865 Jun 26 j 13:44	16° \overline{H} 55'53	
	-12866 Aug 06 j 13:18	0° \overline{B}		asc. node	-12865 Jun 26 j 23:09	16° \overline{H} 56'45	
morning set	-12866 Aug 19 j 04:36	19° \overline{B} 17'23		morning max el	-12865 Jul 04 j 01:06	21° \overline{H} 16'27	19°49'00
	-12866 Aug 25 j 23:07	0° \overline{I}			-12865 Jul 11 j 00:41	0° \overline{Y}	
desc. node	-12866 Aug 27 j 11:01	2° \overline{I} 24'24		morning set	-12865 Jul 29 j 08:39	27° \overline{Y} 50'06	
max. Earth dist.	-12866 Aug 28 j 10:03	3° \overline{I} 57'38	1.43016 AU		-12865 Jul 30 j 17:55	0° \overline{B}	
superior conj	-12866 Sep 03 j 18:33	14° \overline{I} 26'28	-0°42'45	max. Earth dist.	-12865 Aug 10 j 23:21	17° \overline{B} 41'27	1.44122 AU
minimum elong	-12866 Sep 03 j 15:01	14° \overline{I} 11'38	0°41'32	desc. node	-12865 Aug 14 j 08:22	23° \overline{B} 05'37	
	-12866 Sep 12 j 19:52	0° $\overline{5}$					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12865 Aug 14 j 18:50	23°  47'48	-0°02'37	max. Earth dist.	-12864 Jul 23 j 15:09	1°  42'08	1.44568 AU
minimum elong	-12865 Aug 14 j 18:38	23°  46'56	0°01'54	desc. node	-12864 Jul 31 j 05:48	13°  46'22	
behind sun begin	-12865 Aug 14 j 07:50	23°  03'30		evening rise	-12864 Aug 08 j 20:06	27°  32'09	
behind sun end	-12865 Aug 15 j 05:25	24°  30'26			-12864 Aug 10 j 08:49	0°  II	
	-12865 Aug 18 j 14:42	0°  II		evening max el	-12864 Aug 29 j 19:12	28°  II39'50	18°50'48
evening rise	-12865 Aug 28 j 20:40	17°  II00'30			-12864 Aug 31 j 05:05	0°  ☿	
	-12865 Sep 05 j 14:42	0°  ☿		retrograde	-12864 Sep 05 j 14:36	2°  ☿29'17	
evening max el	-12865 Sep 16 j 06:43	15°  ☿09'32	18°20'11	evening set	-12864 Sep 08 j 15:21	1°  ☿37'12	
retrograde	-12865 Sep 22 j 21:30	18°  ☿46'18		asc. node	-12864 Sep 08 j 20:57	1°  ☿28'58	
asc. node	-12865 Sep 22 j 23:57	18°  ☿46'15			-12864 Sep 10 j 19:13	30°   II	
evening set	-12865 Sep 25 j 15:26	18°  ☿06'09		inferior conj	-12864 Sep 14 j 12:53	25°  II52'30	1°42'27
inferior conj	-12865 Oct 01 j 21:53	12°  ☿35'50	2°33'31	minimum elong	-12864 Sep 14 j 10:32	25°  II59'38	1°42'27
minimum elong	-12865 Oct 01 j 18:30	12°  ☿45'16	2°33'20	min. Earth dist.	-12864 Sep 16 j 04:16	23°  II53'05	0.65128 AU
min. Earth dist.	-12865 Oct 04 j 01:46	10°  ☿11'33	0.63852 AU	morning rise	-12864 Sep 20 j 05:09	19°  II39'42	
morning rise	-12865 Oct 07 j 20:46	6°  ☿33'28		direct	-12864 Sep 26 j 16:20	16°  II58'47	
direct	-12865 Oct 14 j 17:47	3°  ☿51'18		morning max el	-12864 Oct 09 j 15:52	24°  II26'30	26°44'14
morning max el	-12865 Oct 28 j 05:33	11°  ☿23'24	27°23'42		-12864 Oct 14 j 18:29	0°  ☿	
desc. node	-12865 Nov 10 j 07:59	27°  ☿18'21		desc. node	-12864 Oct 27 j 04:41	16°  ☿44'01	
	-12865 Nov 12 j 04:50	0°  ♊			-12864 Nov 04 j 13:25	0°  ♊	
	-12865 Nov 29 j 21:58	0°  ♊		morning set	-12864 Nov 14 j 07:28	17°  ♊26'40	
morning set	-12865 Dec 01 j 21:20	3°  ♊50'50		max. Earth dist.	-12864 Nov 18 j 18:04	26°  ♊07'04	1.34930 AU
max. Earth dist.	-12865 Dec 06 j 23:56	14°  ♊14'31	1.33817 AU		-12864 Nov 20 j 16:11	0°  ♊	
superior conj	-12865 Dec 09 j 17:02	19°  ♊58'00	-1°19'49	superior conj	-12864 Nov 22 j 20:03	4°  ♊26'43	-1°30'40
minimum elong	-12865 Dec 09 j 18:55	20°  ♊08'03	1°19'29	minimum elong	-12864 Nov 22 j 21:25	4°  ♊33'46	1°30'13
	-12865 Dec 14 j 09:36	0°  ♊		evening rise	-12864 Nov 30 j 06:46	20°  ♊01'07	
evening rise	-12865 Dec 16 j 21:11	5°  ♊15'14			-12864 Dec 05 j 06:25	0°  ♊	
asc. node	-12865 Dec 19 j 21:41	11°  ♊27'22		asc. node	-12864 Dec 05 j 19:06	1°  ♊00'14	
	-12865 Dec 30 j 10:27	0°  ♋		evening max el	-12864 Dec 20 j 04:09	21°  ♊47'18	21°14'24
evening max el	-12864 Jan 08 j 05:01	10°  ♋38'38	22°43'57	retrograde	-12864 Dec 31 j 17:23	27°  ♊13'17	
retrograde	-12864 Jan 21 j 02:42	16°  ♋50'54		evening set	-12863 Jan 03 j 14:08	26°  ♊54'26	
evening set	-12864 Jan 24 j 13:07	16°  ♋25'03		inferior conj	-12863 Jan 12 j 12:17	22°  ♊54'53	2°36'01
min. Earth dist.	-12864 Feb 01 j 16:11	12°  ♋43'53	0.55619 AU	minimum elong	-12863 Jan 12 j 17:52	22°  ♊46'50	2°34'14
inferior conj	-12864 Feb 02 j 14:35	12°  ♋11'21	0°58'08	min. Earth dist.	-12863 Jan 13 j 06:17	22°  ♊28'59	0.55537 AU
minimum elong	-12864 Feb 02 j 17:00	12°  ♋07'51	0°56'47	morning rise	-12863 Jan 21 j 20:45	18°  ♊41'14	
desc. node	-12864 Feb 06 j 10:25	10°  ♋04'35		desc. node	-12863 Jan 23 j 07:03	18°  ♊26'59	
morning rise	-12864 Feb 11 j 22:13	8°  ♋07'40		direct	-12863 Jan 24 j 20:07	18°  ♊21'36	
direct	-12864 Feb 14 j 04:50	7°  ♋55'22		morning max el	-12863 Feb 06 j 15:20	24°  ♊35'53	22°14'24
morning max el	-12864 Feb 25 j 13:34	13°  ♋20'42	20°47'31		-12863 Feb 11 j 11:39	0°  ♋	
	-12864 Mar 08 j 12:26	0°  ♌		morning set	-12863 Feb 28 j 01:25	28°  ♋41'21	
morning set	-12864 Mar 15 j 15:19	13°  ♌47'44			-12863 Feb 28 j 16:31	0°  ♌	
asc. node	-12864 Mar 16 j 19:17	16°  ♌11'18		asc. node	-12863 Mar 03 j 16:27	6°  ♌19'06	
superior conj	-12864 Mar 23 j 07:13	29°  ♌36'00	0°56'30	superior conj	-12863 Mar 07 j 08:19	14°  ♌03'43	0°33'23
minimum elong	-12864 Mar 23 j 04:51	29°  ♌23'55	0°55'16	minimum elong	-12863 Mar 07 j 06:54	13°  ♌56'17	0°32'20
	-12864 Mar 23 j 11:55	0°  ♍		max. Earth dist.	-12863 Mar 10 j 09:53	20°  ♌26'15	1.34459 AU
max. Earth dist.	-12864 Mar 27 j 15:34	8°  ♍19'12	1.35696 AU	evening rise	-12863 Mar 15 j 10:12	0°  ♍27'52	
evening rise	-12864 Apr 01 j 01:45	16°  ♍48'36			-12863 Mar 15 j 04:28	0°  ♍	
	-12864 Apr 08 j 10:36	0°  ♍			-12863 Apr 01 j 11:29	0°  ♍	
	-12864 Apr 28 j 10:47	0°  ♎		evening max el	-12863 Apr 19 j 02:04	22°  ♍33'53	27°11'06
desc. node	-12864 May 04 j 09:48	7°  ♎02'22		desc. node	-12863 Apr 21 j 07:08	24°  ♍37'04	
evening max el	-12864 May 06 j 15:08	9°  ♎20'33	26°26'33		-12863 Apr 30 j 22:01	0°  ♎	
retrograde	-12864 May 19 j 10:49	16°  ♎44'55		retrograde	-12863 May 02 j 12:10	0°  ♎08'03	
evening set	-12864 May 25 j 22:16	13°  ♎59'13			-12863 May 04 j 01:19	30°  ♎	
min. Earth dist.	-12864 May 29 j 22:41	9°  ♎40'23	0.65859 AU	evening set	-12863 May 09 j 07:52	27°  ♎23'55	
inferior conj	-12864 May 31 j 11:53	7°  ♎44'57	-2°58'44	min. Earth dist.	-12863 May 13 j 02:24	23°  ♎41'34	0.64642 AU
minimum elong	-12864 May 31 j 13:50	7°  ♎38'53	2°58'44	inferior conj	-12863 May 15 j 06:02	21°  ♎14'02	-3°16'17
morning rise	-12864 Jun 06 j 05:36	1°  ♎57'45		minimum elong	-12863 May 15 j 07:14	21°  ♎10'38	3°16'43
direct	-12864 Jun 09 j 11:15	0°  ♎57'55		morning rise	-12863 May 21 j 07:07	15°  ♎42'09	
asc. node	-12864 Jun 12 j 19:50	1°  ♎58'17		direct	-12863 May 24 j 06:26	14°  ♎54'26	
morning max el	-12864 Jun 16 j 07:52	4°  ♎49'31	18°57'09	asc. node	-12863 May 30 j 16:33	18°  ♎19'55	
	-12864 Jul 03 j 17:18	0°  ♏		morning max el	-12863 May 30 j 19:08	18°  ♎26'22	18°21'53
morning set	-12864 Jul 08 j 02:11	6°  ♏59'55			-12863 Jun 08 j 08:10	0°  ♎	
	-12864 Jul 22 j 13:21	0°  ♏		morning set	-12863 Jun 18 j 19:46	17°  ♎16'00	
superior conj	-12864 Jul 23 j 22:27	2°  ♏11'00	0°42'00		-12863 Jun 26 j 12:41	0°  ♏	
minimum elong	-12864 Jul 24 j 03:16	2°  ♏30'04	0°41'54	superior conj	-12863 Jul 03 j 01:04	10°  ♏32'39	1°19'44

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12863 Jul 03 j 07:34	10° Υ 58'41	1°19'19	morning set	-12862 May 31 j 14:03	28° \approx 41'54	
max. Earth dist.	-12863 Jul 06 j 07:05	15° Υ 44'05	1.44317 AU		-12862 Jun 01 j 07:57	0° H	
	-12863 Jul 15 j 08:04	0° B					
desc. node	-12863 Jul 18 j 03:19	4° B 23'20		superior conj	-12862 Jun 12 j 22:49	19° H 50'39	1°42'16
evening rise	-12863 Jul 19 j 16:04	6° B 46'59		minimum elong	-12862 Jun 13 j 02:28	20° H 05'48	1°41'58
greatest brilliancy	-12863 Jul 30 j 19:14	24° B 01'51	-0.7m	max. Earth dist.	-12862 Jun 18 j 20:33	29° H 31'15	1.43402 AU
	-12863 Aug 03 j 18:50	0° II			-12862 Jun 19 j 03:40	0° Υ	
evening max el	-12863 Aug 13 j 03:43	12° II 10'43	19°37'51	evening rise	-12862 Jun 28 j 17:42	15° Υ 10'43	
retrograde	-12863 Aug 20 j 10:34	16° II 21'45		desc. node	-12862 Jul 05 j 00:52	24° Υ 53'03	
evening set	-12863 Aug 23 j 20:29	15° II 14'13			-12862 Jul 08 j 09:50	0° B	
asc. node	-12863 Aug 26 j 17:53	12° II 37'40		evening max el	-12862 Jul 27 j 06:06	25° B 38'35	20°39'38
inferior conj	-12863 Aug 29 j 10:52	9° II 18'05	0°50'12		-12862 Aug 02 j 07:19	0° II	
minimum elong	-12863 Aug 29 j 09:43	9° II 21'48	0°50'32	retrograde	-12862 Aug 04 j 07:14	0° II 20'45	
min. Earth dist.	-12863 Aug 30 j 14:23	7° II 49'01	0.66103 AU		-12862 Aug 06 j 05:19	30° R B	
morning rise	-12863 Sep 03 j 22:37	2° II 58'57		evening set	-12862 Aug 08 j 04:25	28° B 54'35	
direct	-12863 Sep 09 j 20:47	0° II 28'10		inferior conj	-12862 Aug 13 j 13:34	22° B 49'41	-0°00'55
morning max el	-12863 Sep 22 j 01:55	7° II 39'27	25°41'30	minimum elong	-12862 Aug 13 j 13:34	22° B 49'40	0°00'15
	-12863 Oct 09 j 16:03	0° B		transit middle	-12862 Aug 13 j 13:34	22° B 49'40	0°00'15
desc. node	-12863 Oct 14 j 01:27	6° B 37'32		transit begin	-12862 Aug 13 j 10:50	22° B 58'54	
	-12863 Oct 27 j 23:38	0° Ω		transit end	-12862 Aug 13 j 16:18	22° B 40'25	
morning set	-12863 Oct 28 j 02:28	0° Ω 12'49		asc. node	-12862 Aug 13 j 14:45	22° B 45'40	
max. Earth dist.	-12863 Nov 01 j 01:38	7° Ω 35'01	1.36469 AU	min. Earth dist.	-12862 Aug 14 j 06:01	21° B 54'05	0.66778 AU
				morning rise	-12862 Aug 18 j 22:34	16° B 28'11	
superior conj	-12863 Nov 06 j 15:21	18° Ω 27'42	-1°36'02	direct	-12862 Aug 24 j 06:33	14° B 12'55	
minimum elong	-12863 Nov 06 j 15:40	18° Ω 29'15	1°35'27	morning max el	-12862 Sep 04 j 11:47	20° B 55'26	24°24'01
	-12863 Nov 12 j 07:41	0° H			-12862 Sep 12 j 07:40	0° II	
evening rise	-12863 Nov 14 j 13:01	4° H 31'52		desc. node	-12862 Sep 30 j 22:21	26° II 50'49	
asc. node	-12863 Nov 22 j 16:30	20° H 05'12			-12862 Oct 02 j 21:42	0° B	
	-12863 Nov 29 j 08:27	0° B		morning set	-12862 Oct 10 j 01:15	11° B 55'56	
evening max el	-12863 Dec 02 j 12:30	3° B 26'07	19°58'32	max. Earth dist.	-12862 Oct 14 j 02:15	19° B 03'21	1.38331 AU
retrograde	-12863 Dec 12 j 11:56	8° B 07'30			-12862 Oct 20 j 00:15	0° Ω	
evening set	-12863 Dec 15 j 02:38	7° B 49'41					
inferior conj	-12863 Dec 23 j 15:06	3° B 46'32	3°45'37	superior conj	-12862 Oct 20 j 23:28	1° Ω 50'43	-1°34'14
minimum elong	-12863 Dec 23 j 19:51	3° B 39'10	3°44'50	minimum elong	-12862 Oct 20 j 22:13	1° Ω 44'48	1°33'28
min. Earth dist.	-12863 Dec 25 j 19:17	2° B 25'48	0.56298 AU	evening rise	-12862 Oct 29 j 13:49	18° Ω 41'52	
	-12863 Dec 30 j 07:55	30° R H			-12862 Nov 04 j 11:26	0° H	
morning rise	-12862 Jan 01 j 11:08	29° H 12'13		asc. node	-12862 Nov 09 j 13:51	8° H 33'00	
direct	-12862 Jan 05 j 16:21	28° H 32'41		evening max el	-12862 Nov 15 j 07:06	15° H 38'50	19°01'25
desc. node	-12862 Jan 10 j 03:37	29° H 18'22		retrograde	-12862 Nov 23 j 21:15	19° H 46'08	
	-12862 Jan 11 j 21:01	0° B		evening set	-12862 Nov 26 j 09:06	19° H 26'44	
morning max el	-12862 Jan 19 j 08:14	5° B 21'33	23°50'44	inferior conj	-12862 Dec 04 j 09:26	15° H 07'29	4°15'35
	-12862 Feb 05 j 15:42	0° M		minimum elong	-12862 Dec 04 j 10:32	15° H 05'32	4°15'45
morning set	-12862 Feb 12 j 13:35	13° M 43'47		min. Earth dist.	-12862 Dec 07 j 09:07	13° H 01'33	0.57704 AU
asc. node	-12862 Feb 18 j 13:41	26° M 34'20		morning rise	-12862 Dec 12 j 10:00	10° H 09'28	
				direct	-12862 Dec 17 j 22:59	8° H 57'12	
superior conj	-12862 Feb 19 j 14:58	28° M 50'14	0°09'50	desc. node	-12862 Dec 28 j 00:11	12° H 45'29	
minimum elong	-12862 Feb 19 j 14:35	28° M 48'08	0°09'03	morning max el	-12862 Dec 31 j 22:52	16° H 04'54	25°23'39
behind sun begin	-12862 Feb 19 j 10:18	28° M 25'12			-12861 Jan 12 j 05:31	0° B	
behind sun end	-12862 Feb 19 j 18:51	29° M 11'04		morning set	-12861 Jan 28 j 01:59	28° B 48'34	
	-12862 Feb 20 j 03:59	0° Z			-12861 Jan 28 j 15:33	0° M	
max. Earth dist.	-12862 Feb 21 j 13:44	3° Z 00'02	1.33570 AU				
evening rise	-12862 Feb 27 j 05:15	14° Z 40'46		superior conj	-12861 Feb 04 j 01:03	13° M 48'36	-0°13'12
	-12862 Mar 07 j 07:41	0° B		minimum elong	-12861 Feb 04 j 01:37	13° M 51'38	0°13'41
	-12862 Mar 27 j 10:36	0° \approx		behind sun begin	-12861 Feb 03 j 23:06	13° M 37'58	
evening max el	-12862 Apr 01 j 12:06	5° \approx 28'11	27°27'40	behind sun end	-12861 Feb 04 j 04:08	14° M 05'18	
desc. node	-12862 Apr 08 j 04:21	10° \approx 47'30		max. Earth dist.	-12861 Feb 05 j 00:03	15° M 53'31	1.33015 AU
retrograde	-12862 Apr 15 j 07:18	13° \approx 03'17		asc. node	-12861 Feb 05 j 10:59	16° M 52'45	
evening set	-12862 Apr 22 j 05:04	10° \approx 33'20		evening rise	-12861 Feb 11 j 07:40	29° M 16'36	
min. Earth dist.	-12862 Apr 25 j 21:27	7° \approx 20'29	0.63047 AU		-12861 Feb 11 j 16:09	0° Z	
inferior conj	-12862 Apr 28 j 15:13	4° \approx 31'33	-3°21'05		-12861 Feb 28 j 13:06	0° B	
minimum elong	-12862 Apr 28 j 15:06	4° \approx 31'52	3°21'47	evening max el	-12861 Mar 14 j 18:40	17° B 51'27	27°11'58
	-12862 May 03 j 18:30	30° R B		desc. node	-12861 Mar 26 j 01:30	25° B 02'18	
morning rise	-12862 May 05 j 02:15	29° B 17'18		retrograde	-12861 Mar 28 j 19:19	25° B 22'22	
direct	-12862 May 07 j 20:24	28° B 40'05		evening set	-12861 Apr 04 j 10:37	23° B 18'28	
	-12862 May 11 j 21:09	0° \approx		min. Earth dist.	-12861 Apr 08 j 07:19	20° B 23'34	0.61165 AU
morning max el	-12862 May 14 j 08:45	2° \approx 02'43	18°04'31	inferior conj	-12861 Apr 11 j 12:06	17° B 29'59	-3°08'47
asc. node	-12862 May 17 j 13:20	5° \approx 45'41		minimum elong	-12861 Apr 11 j 10:18	17° B 34'04	3°09'24

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12861 Apr 18 j 12:00	12° Z 35'10		inferior conj	-12860 Mar 23 j 17:06	0° Z 01'33	-2°33'46
direct	-12861 Apr 21 j 01:30	12° Z 07'10		minimum elong	-12860 Mar 23 j 13:56	0° Z 07'49	2°33'59
morning max el	-12861 Apr 27 j 22:13	15° Z 32'19	18°05'41		-12860 Mar 23 j 17:53	30° R Z	
asc. node	-12861 May 04 j 10:10	24° Z 01'09		morning rise	-12860 Mar 31 j 08:47	25° Z 26'40	
	-12861 May 08 j 00:22	0° \approx		direct	-12860 Apr 02 j 17:34	25° Z 06'30	
morning set	-12861 May 14 j 04:58	11° \approx 08'04		morning max el	-12860 Apr 10 j 08:45	28° Z 47'48	18°25'49
					-12860 Apr 11 j 13:00	0° Z	
superior conj	-12861 May 24 j 23:25	0° X 28'10	1°48'49	asc. node	-12860 Apr 20 j 07:02	12° Z 55'10	
minimum elong	-12861 May 24 j 23:21	0° X 27'51	1°48'25	morning set	-12860 Apr 26 j 11:45	24° Z 23'51	
	-12861 May 24 j 16:58	0° X			-12860 Apr 29 j 10:24	0° \approx	
max. Earth dist.	-12861 Jun 01 j 04:46	12° X 45'39	1.41947 AU				
evening rise	-12861 Jun 07 j 22:28	23° X 43'13		superior conj	-12860 May 06 j 00:38	12° \approx 20'27	1°42'54
	-12861 Jun 11 j 22:06	0° Y		minimum elong	-12860 May 05 j 22:17	12° \approx 09'41	1°42'10
desc. node	-12861 Jun 21 j 22:28	15° Y 10'56		max. Earth dist.	-12860 May 13 j 07:03	25° \approx 16'52	1.40159 AU
	-12861 Jul 02 j 11:23	0° Z			-12860 May 16 j 01:21	0° X	
evening max el	-12861 Jul 10 j 01:21	9° Z 01'10	21°53'27	evening rise	-12860 May 18 j 01:35	3° X 21'57	
retrograde	-12861 Jul 19 j 02:50	14° Z 22'53			-12860 Jun 04 j 04:40	0° Y	
evening set	-12861 Jul 23 j 13:03	12° Z 35'54		desc. node	-12860 Jun 07 j 20:05	5° Y 11'39	
inferior conj	-12861 Jul 28 j 19:01	6° Z 24'51	-0°49'15	evening max el	-12860 Jun 21 j 14:33	22° Y 20'39	23°14'45
minimum elong	-12861 Jul 28 j 20:00	6° Z 21'27	0°48'23	retrograde	-12860 Jul 01 j 20:03	28° Y 25'30	
min. Earth dist.	-12861 Jul 29 j 00:50	6° Z 04'46	0.67157 AU	evening set	-12860 Jul 06 j 20:28	26° Y 17'21	
asc. node	-12861 Jul 31 j 11:35	2° Z 50'04		inferior conj	-12860 Jul 12 j 01:25	20° Y 02'36	-1°33'24
morning rise	-12861 Aug 03 j 02:53	0° Z 04'42		minimum elong	-12860 Jul 12 j 03:08	19° Y 56'41	1°32'32
	-12861 Aug 03 j 05:09	30° R Y		min. Earth dist.	-12860 Jul 11 j 20:29	20° Y 19'39	0.67235 AU
direct	-12861 Aug 07 j 21:00	28° Y 07'14		morning rise	-12860 Jul 17 j 09:45	13° Y 47'27	
	-12861 Aug 13 j 02:05	0° Z		asc. node	-12860 Jul 17 j 08:22	13° Y 50'12	
morning max el	-12861 Aug 17 j 23:04	4° Z 11'35	23°00'23	direct	-12860 Jul 21 j 15:25	12° Y 07'47	
	-12861 Sep 06 j 14:19	0° II		morning max el	-12860 Jul 30 j 14:12	17° Y 29'48	21°38'42
desc. node	-12861 Sep 17 j 19:22	17° II 17'09			-12860 Aug 09 j 15:16	0° Z	
morning set	-12861 Sep 20 j 23:05	22° II 24'31			-12860 Aug 29 j 17:54	0° II	
	-12861 Sep 25 j 11:59	0° Z		morning set	-12860 Aug 30 j 19:31	1° II 40'58	
max. Earth dist.	-12861 Sep 26 j 02:00	0° Z 59'48	1.40306 AU	desc. node	-12860 Sep 03 j 16:29	7° II 52'12	
				max. Earth dist.	-12860 Sep 07 j 05:48	13° II 39'59	1.42133 AU
superior conj	-12861 Oct 03 j 15:40	14° Z 22'07	-1°23'15				
minimum elong	-12861 Oct 03 j 12:42	14° Z 08'37	1°22'13	superior conj	-12860 Sep 14 j 10:24	25° II 47'41	-1°01'03
	-12861 Oct 12 j 00:17	0° Z		minimum elong	-12860 Sep 14 j 06:27	25° II 30'39	0°59'48
evening rise	-12861 Oct 13 j 06:27	2° Z 23'25			-12860 Sep 16 j 20:24	0° Z	
asc. node	-12861 Oct 27 j 11:09	26° Z 11'42		evening rise	-12860 Sep 25 j 11:24	15° Z 28'09	
evening max el	-12861 Oct 29 j 10:39	28° Z 21'11	18°24'43		-12860 Oct 03 j 15:37	0° Z	
	-12861 Oct 31 j 08:30	0° II		evening max el	-12860 Oct 11 j 20:38	11° Z 26'18	18°08'06
retrograde	-12861 Nov 06 j 00:18	2° II 06'32		asc. node	-12860 Oct 13 j 08:25	12° Z 47'02	
evening set	-12861 Nov 08 j 11:09	1° II 44'02		retrograde	-12860 Oct 18 j 18:54	15° Z 00'34	
	-12861 Nov 12 j 01:09	30° R Z		evening set	-12860 Oct 21 j 06:47	14° Z 33'07	
inferior conj	-12861 Nov 15 j 22:57	27° Z 04'05	4°11'03	inferior conj	-12860 Oct 28 j 06:24	9° Z 32'08	3°43'01
minimum elong	-12861 Nov 15 j 20:47	27° Z 08'30	4°11'19	minimum elong	-12860 Oct 28 j 02:42	9° Z 40'46	3°42'59
min. Earth dist.	-12861 Nov 19 j 03:14	24° Z 29'24	0.59460 AU	min. Earth dist.	-12860 Oct 31 j 04:50	6° Z 48'35	0.61294 AU
morning rise	-12861 Nov 23 j 04:42	21° Z 44'12		morning rise	-12860 Nov 03 j 21:16	3° Z 53'33	
direct	-12861 Nov 29 j 17:02	19° Z 54'43		direct	-12860 Nov 10 j 21:06	1° Z 33'19	
morning max el	-12861 Dec 13 j 17:37	27° Z 13'17	26°38'07	morning max el	-12860 Nov 24 j 18:39	8° Z 59'19	27°22'42
desc. node	-12861 Dec 14 j 20:44	28° Z 20'03		desc. node	-12860 Nov 30 j 17:16	15° Z 29'00	
	-12861 Dec 16 j 10:48	0° II			-12860 Dec 11 j 02:29	0° II	
	-12860 Jan 05 j 13:26	0° Z		morning set	-12860 Dec 26 j 20:10	28° II 37'30	
morning set	-12860 Jan 12 j 12:51	13° Z 49'08			-12860 Dec 27 j 12:08	0° Z	
				max. Earth dist.	-12859 Jan 02 j 01:42	11° Z 51'37	1.32894 AU
superior conj	-12860 Jan 19 j 12:48	28° Z 52'37	-0°34'54				
minimum elong	-12860 Jan 19 j 14:07	28° Z 59'50	0°35'05	superior conj	-12859 Jan 03 j 00:28	13° Z 55'26	-0°54'37
max. Earth dist.	-12860 Jan 19 j 13:18	28° Z 55'22	1.32785 AU	minimum elong	-12859 Jan 03 j 02:17	14° Z 05'20	0°54'33
	-12860 Jan 20 j 01:08	0° II		asc. node	-12859 Jan 09 j 05:43	27° Z 22'19	
asc. node	-12860 Jan 23 j 08:20	7° II 10'20		evening rise	-12859 Jan 10 j 01:05	29° Z 04'23	
evening rise	-12860 Jan 26 j 14:58	14° II 07'06			-12859 Jan 10 j 11:43	0° II	
	-12860 Feb 03 j 18:13	0° Z			-12859 Jan 27 j 11:51	0° Z	
evening max el	-12860 Feb 24 j 20:00	29° Z 37'56	26°24'03	evening max el	-12859 Feb 05 j 16:04	10° Z 50'36	25°09'16
	-12860 Feb 25 j 05:19	0° Z		retrograde	-12859 Feb 19 j 16:00	17° Z 54'55	
retrograde	-12860 Mar 09 j 23:01	6° Z 59'55		evening set	-12859 Feb 24 j 15:13	16° Z 57'35	
desc. node	-12860 Mar 11 j 22:33	6° Z 49'53		desc. node	-12859 Feb 26 j 19:28	15° Z 58'56	
evening set	-12860 Mar 15 j 22:04	5° Z 29'40		min. Earth dist.	-12859 Mar 02 j 05:50	13° Z 55'56	0.57371 AU
min. Earth dist.	-12860 Mar 20 j 09:22	2° Z 38'06	0.59179 AU	inferior conj	-12859 Mar 05 j 03:07	11° Z 57'54	-1°30'54

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12859 Mar 05 j 00:10	12° A 02'57	1°30'54	transit begin	-12858 Feb 13 j 13:43	23° M 22'35	
morning rise	-12859 Mar 13 j 12:24	7° A 40'49		transit end	-12858 Feb 13 j 21:42	23° M 10'30	
direct	-12859 Mar 15 j 16:54	7° A 26'25		desc. node	-12858 Feb 13 j 16:14	23° M 18'47	
morning max el	-12859 Mar 24 j 13:09	11° A 38'40	19°05'24	morning rise	-12858 Feb 22 j 19:10	19° M 10'59	
	-12859 Apr 05 j 22:45	0° B		direct	-12858 Feb 24 j 22:52	18° M 59'06	
asc. node	-12859 Apr 07 j 03:58	2° B 18'02		morning max el	-12858 Mar 07 j 08:26	23° M 55'26	20°04'43
morning set	-12859 Apr 10 j 06:08	8° B 18'01			-12858 Mar 12 j 13:02	0° A	
				morning set	-12858 Mar 25 j 08:40	22° A 41'35	
superior conj	-12859 Apr 18 j 21:01	25° B 12'11	1°28'34	asc. node	-12858 Mar 25 j 00:58	22° A 02'46	
minimum elong	-12859 Apr 18 j 17:56	24° B 57'24	1°27'30		-12858 Mar 28 j 22:53	0° B	
	-12859 Apr 21 j 09:34	0° A					
max. Earth dist.	-12859 Apr 25 j 06:50	7° A 10'52	1.38292 AU	superior conj	-12858 Apr 02 j 07:33	8° B 49'49	1°09'05
evening rise	-12859 Apr 29 j 08:14	14° A 23'50		minimum elong	-12858 Apr 02 j 04:46	8° B 35'51	1°07'52
	-12859 May 08 j 17:08	0° H		max. Earth dist.	-12858 Apr 07 j 10:39	18° B 52'19	1.36569 AU
desc. node	-12859 May 25 j 17:41	24° H 47'25		evening rise	-12858 Apr 11 j 14:37	26° B 39'20	
	-12859 May 29 j 21:30	0° Y			-12858 Apr 13 j 11:03	0° A	
evening max el	-12859 Jun 04 j 00:36	5° Y 40'28	24°36'46		-12858 May 02 j 02:55	0° H	
retrograde	-12859 Jun 15 j 09:40	12° Y 24'15		desc. node	-12858 May 12 j 15:12	13° H 48'02	
evening set	-12859 Jun 21 j 00:42	9° Y 56'59		evening max el	-12858 May 17 j 10:23	19° H 01'51	25°50'57
min. Earth dist.	-12859 Jun 25 j 14:32	4° Y 36'20	0.66985 AU	retrograde	-12858 May 29 j 18:52	26° H 14'09	
inferior conj	-12859 Jun 26 j 06:58	3° Y 40'55	-2°12'07	evening set	-12858 Jun 04 j 23:37	23° H 32'55	
minimum elong	-12859 Jun 26 j 09:05	3° Y 33'45	2°11'28	min. Earth dist.	-12858 Jun 09 j 04:34	18° H 51'33	0.66382 AU
	-12859 Jun 29 j 04:10	30° R H		inferior conj	-12858 Jun 10 j 09:46	17° H 17'36	-2°44'04
morning rise	-12859 Jul 01 j 17:27	27° H 34'11		minimum elong	-12858 Jun 10 j 11:55	17° H 10'40	2°43'48
asc. node	-12859 Jul 04 j 05:05	26° H 20'53		morning rise	-12858 Jun 16 j 00:15	11° H 22'30	
direct	-12859 Jul 05 j 12:24	26° H 11'15		direct	-12858 Jun 19 j 10:21	10° H 14'36	
	-12859 Jul 12 j 14:03	0° Y		asc. node	-12858 Jun 21 j 01:46	10° H 29'29	
morning max el	-12859 Jul 13 j 11:07	0° Y 52'32	20°25'27	morning max el	-12858 Jun 26 j 14:28	14° H 21'33	19°25'00
	-12859 Aug 03 j 08:53	0° B			-12858 Jul 08 j 04:17	0° Y	
morning set	-12859 Aug 10 j 00:11	10° B 14'30		morning set	-12858 Jul 20 j 07:57	18° Y 57'19	
max. Earth dist.	-12859 Aug 20 j 15:45	27° B 03'42	1.43559 AU		-12858 Jul 27 j 08:18	0° B	
desc. node	-12859 Aug 21 j 13:46	28° B 32'19		max. Earth dist.	-12858 Aug 03 j 06:45	10° B 57'45	1.44398 AU
	-12859 Aug 22 j 11:28	0° II					
superior conj	-12859 Aug 26 j 02:37	5° II 55'30	-0°26'51	superior conj	-12858 Aug 05 j 16:25	14° B 47'01	0°16'24
minimum elong	-12859 Aug 26 j 00:04	5° II 45'02	0°25'45	minimum elong	-12858 Aug 05 j 18:24	14° B 54'55	0°16'46
evening rise	-12859 Sep 08 j 00:02	27° II 45'01		desc. node	-12858 Aug 08 j 11:10	19° B 13'37	
	-12859 Sep 09 j 07:11	0° B			-12858 Aug 15 j 03:10	0° II	
evening max el	-12859 Sep 25 j 10:01	24° B 46'49	18°10'34	evening rise	-12858 Aug 20 j 14:35	8° II 58'59	
asc. node	-12859 Sep 30 j 05:36	28° B 02'59			-12858 Sep 02 j 14:47	0° B	
retrograde	-12859 Oct 02 j 01:12	28° B 19'49		evening max el	-12858 Sep 08 j 23:40	8° B 14'58	18°31'08
evening set	-12859 Oct 04 j 16:23	27° B 44'59		retrograde	-12858 Sep 15 j 15:22	11° B 55'44	
inferior conj	-12859 Oct 11 j 04:43	22° B 24'40	3°01'12	asc. node	-12858 Sep 17 j 02:40	11° B 43'46	
minimum elong	-12859 Oct 11 j 00:57	22° B 34'33	3°00'58	evening set	-12858 Sep 18 j 12:03	11° B 10'44	
min. Earth dist.	-12859 Oct 13 j 15:56	19° B 49'46	0.62993 AU	inferior conj	-12858 Sep 24 j 14:28	5° B 33'51	2°12'11
morning rise	-12859 Oct 17 j 08:34	16° B 30'21		minimum elong	-12858 Sep 24 j 11:29	5° B 42'29	2°12'03
direct	-12859 Oct 24 j 09:05	13° B 52'18		min. Earth dist.	-12858 Sep 26 j 12:54	3° B 19'35	0.64435 AU
morning max el	-12859 Nov 07 j 01:06	21° B 22'47	27°32'56		-12858 Sep 29 j 18:40	30° R II	
	-12859 Nov 14 j 16:55	0° Q		morning rise	-12858 Sep 30 j 10:18	29° II 26'51	
desc. node	-12859 Nov 17 j 13:49	3° Q 45'47		direct	-12858 Oct 07 j 03:44	26° II 44'07	
	-12859 Dec 04 j 01:42	0° P			-12858 Oct 15 j 11:38	0° B	
morning set	-12859 Dec 10 j 21:39	13° P 05'41		morning max el	-12858 Oct 20 j 10:42	4° B 14'35	27°10'15
max. Earth dist.	-12859 Dec 16 j 09:45	24° P 30'30	1.33371 AU	desc. node	-12858 Nov 04 j 10:25	22° B 50'09	
					-12858 Nov 09 j 04:16	0° Q	
superior conj	-12859 Dec 18 j 10:22	28° P 50'48	-1°11'36	morning set	-12858 Nov 24 j 14:23	27° Q 03'17	
minimum elong	-12859 Dec 18 j 12:21	29° P 01'27	1°11'20		-12858 Nov 26 j 02:23	0° P	
	-12859 Dec 18 j 23:13	0° Q		max. Earth dist.	-12858 Nov 29 j 09:55	6° P 41'33	1.34248 AU
evening rise	-12859 Dec 25 j 12:19	14° Q 02'18		superior conj	-12858 Dec 02 j 16:31	13° P 30'56	-1°25'00
asc. node	-12859 Dec 27 j 03:08	17° Q 23'57		minimum elong	-12858 Dec 02 j 18:15	13° P 40'02	1°24'37
	-12858 Jan 02 j 15:40	0° M		evening rise	-12858 Dec 09 j 22:59	28° P 54'01	
evening max el	-12858 Jan 18 j 09:26	21° M 44'21	23°38'17		-12858 Dec 10 j 11:41	0° Q	
retrograde	-12858 Jan 31 j 20:06	28° M 18'29		asc. node	-12858 Dec 14 j 00:33	7° Q 08'59	
evening set	-12858 Feb 04 j 18:31	27° M 44'31			-12858 Dec 28 j 14:16	0° M	
min. Earth dist.	-12858 Feb 11 j 22:36	24° M 21'45	0.56058 AU	evening max el	-12858 Dec 31 j 04:48	2° M 40'23	22°04'31
inferior conj	-12858 Feb 13 j 17:47	23° M 16'26	-0°00'58	retrograde	-12857 Jan 12 j 13:27	8° M 33'05	
minimum elong	-12858 Feb 13 j 17:43	23° M 16'32	0°01'39	evening set	-12857 Jan 15 j 17:13	8° M 11'02	
transit middle	-12858 Feb 13 j 17:43	23° M 16'32	0°01'39	inferior conj	-12857 Jan 24 j 18:21	4° M 05'35	1°41'37

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12857 Jan 24 j 22:28	3° \mathbb{M} 59'42	1°39'55	inferior conj	-12856 Jan 04 j 16:35	14° \mathbb{A} 48'56	3°10'13
min. Earth dist.	-12857 Jan 24 j 13:00	4° \mathbb{M} 13'12	0.55486 AU	minimum elong	-12856 Jan 04 j 22:20	14° \mathbb{A} 40'25	3°08'43
desc. node	-12857 Jan 31 j 12:53	0° \mathbb{M} 43'25		min. Earth dist.	-12856 Jan 06 j 02:21	13° \mathbb{A} 59'10	0.55768 AU
morning rise	-12857 Feb 03 j 04:06	29° \mathbb{A} 59'48		morning rise	-12856 Jan 13 j 21:13	10° \mathbb{A} 27'28	
	-12857 Feb 03 j 03:41	30° \mathbb{R} \mathbb{A}		direct	-12856 Jan 17 j 07:53	10° \mathbb{A} 01'21	
direct	-12857 Feb 05 j 16:15	29° \mathbb{A} 45'28		desc. node	-12856 Jan 18 j 09:29	10° \mathbb{A} 03'56	
	-12857 Feb 08 j 03:34	0° \mathbb{M}		morning max el	-12856 Jan 30 j 14:01	16° \mathbb{A} 32'09	22°55'00
morning max el	-12857 Feb 17 j 16:31	5° \mathbb{M} 31'57	21°22'47		-12856 Feb 10 j 03:34	0° \mathbb{M}	
	-12857 Mar 05 j 23:59	0° \mathbb{A}		morning set	-12856 Feb 22 j 03:52	22° \mathbb{M} 24'23	
morning set	-12857 Mar 09 j 16:40	7° \mathbb{A} 26'21			-12856 Feb 25 j 18:01	0° \mathbb{A}	
asc. node	-12857 Mar 11 j 22:04	12° \mathbb{A} 03'31		asc. node	-12856 Feb 26 j 19:15	2° \mathbb{A} 14'46	
superior conj	-12857 Mar 17 j 04:15	23° \mathbb{A} 01'57	0°46'48	superior conj	-12856 Feb 29 j 08:00	7° \mathbb{A} 38'30	0°23'22
minimum elong	-12857 Mar 17 j 02:16	22° \mathbb{A} 51'42	0°45'38	minimum elong	-12856 Feb 29 j 07:02	7° \mathbb{A} 33'19	0°22'25
	-12857 Mar 20 j 14:08	0° \mathbb{B}		max. Earth dist.	-12856 Mar 02 j 21:49	13° \mathbb{A} 03'55	1.34033 AU
max. Earth dist.	-12857 Mar 20 j 23:17	0° \mathbb{B} 46'00	1.35128 AU	evening rise	-12856 Mar 08 j 04:23	23° \mathbb{A} 46'34	
evening rise	-12857 Mar 25 j 15:01	9° \mathbb{B} 52'05			-12856 Mar 11 j 09:51	0° \mathbb{B}	
	-12857 Apr 05 j 23:44	0° \mathbb{A}			-12856 Mar 29 j 14:18	0° \mathbb{A}	
	-12857 Apr 27 j 14:42	0° \mathbb{H}		evening max el	-12856 Apr 11 j 07:28	15° \mathbb{A} 25'40	27°21'51
desc. node	-12857 Apr 29 j 12:36	1° \mathbb{H} 59'30		desc. node	-12856 Apr 15 j 09:54	19° \mathbb{A} 01'27	
evening max el	-12857 Apr 29 j 20:56	2° \mathbb{H} 20'12	26°48'33	retrograde	-12856 Apr 24 j 21:58	23° \mathbb{A} 01'42	
retrograde	-12857 May 12 j 23:06	9° \mathbb{H} 49'26		evening set	-12856 May 01 j 19:35	20° \mathbb{A} 21'38	
evening set	-12857 May 19 j 14:52	7° \mathbb{H} 02'50		min. Earth dist.	-12856 May 05 j 12:26	16° \mathbb{A} 53'19	0.64003 AU
min. Earth dist.	-12857 May 23 j 12:27	3° \mathbb{H} 00'20	0.65391 AU	inferior conj	-12856 May 07 j 22:25	14° \mathbb{A} 14'40	-3°20'08
inferior conj	-12857 May 25 j 07:45	0° \mathbb{H} 50'23	-3°07'32	minimum elong	-12856 May 07 j 23:07	14° \mathbb{A} 12'45	3°20'43
minimum elong	-12857 May 25 j 09:27	0° \mathbb{H} 45'17	3°07'44	morning rise	-12856 May 14 j 03:26	8° \mathbb{A} 50'24	
	-12857 May 26 j 00:37	30° \mathbb{R} \mathbb{A}		direct	-12856 May 17 j 00:25	8° \mathbb{A} 07'26	
morning rise	-12857 May 31 j 04:19	25° \mathbb{A} 09'35		morning max el	-12856 May 23 j 12:02	11° \mathbb{A} 34'01	18°12'21
direct	-12857 Jun 03 j 07:11	24° \mathbb{A} 15'02		asc. node	-12856 May 24 j 19:13	12° \mathbb{A} 57'36	
asc. node	-12857 Jun 07 j 22:28	26° \mathbb{A} 07'04			-12856 Jun 05 j 03:41	0° \mathbb{H}	
morning max el	-12857 Jun 09 j 23:24	27° \mathbb{A} 56'39	18°40'07	morning set	-12856 Jun 10 j 15:30	9° \mathbb{H} 19'32	
	-12857 Jun 11 j 19:55	0° \mathbb{H}			-12856 Jun 23 j 00:48	0° \mathbb{Y}	
morning set	-12857 Jun 30 j 11:10	28° \mathbb{H} 33'54					
	-12857 Jul 01 j 08:21	0° \mathbb{Y}		superior conj	-12856 Jun 24 j 01:35	1° \mathbb{Y} 40'50	1°31'22
superior conj	-12857 Jul 15 j 16:41	23° \mathbb{Y} 00'50	0°59'31	minimum elong	-12856 Jun 24 j 07:14	2° \mathbb{Y} 03'46	1°31'00
minimum elong	-12857 Jul 15 j 22:53	23° \mathbb{Y} 25'22	0°59'11	max. Earth dist.	-12856 Jun 28 j 14:37	8° \mathbb{Y} 59'56	1.43997 AU
max. Earth dist.	-12857 Jul 16 j 23:34	25° \mathbb{Y} 03'13	1.44546 AU	evening rise	-12856 Jul 10 j 12:19	27° \mathbb{Y} 44'31	
	-12857 Jul 20 j 02:36	0° \mathbb{B}			-12856 Jul 11 j 23:13	0° \mathbb{B}	
desc. node	-12857 Jul 26 j 08:40	9° \mathbb{B} 53'08		desc. node	-12856 Jul 12 j 06:13	0° \mathbb{B} 27'08	
evening rise	-12857 Aug 01 j 02:13	18° \mathbb{B} 57'48			-12856 Aug 01 j 05:32	0° \mathbb{I}	
	-12857 Aug 08 j 01:32	0° \mathbb{I}		evening max el	-12856 Aug 05 j 16:44	5° \mathbb{I} 14'36	20°02'27
evening max el	-12857 Aug 23 j 10:44	21° \mathbb{I} 45'39	19°08'50	retrograde	-12856 Aug 13 j 06:45	9° \mathbb{I} 38'16	
retrograde	-12857 Aug 30 j 10:07	25° \mathbb{I} 43'15		evening set	-12856 Aug 16 j 21:08	8° \mathbb{I} 23'15	
evening set	-12857 Sep 02 j 14:32	24° \mathbb{I} 44'55		asc. node	-12856 Aug 20 j 20:36	4° \mathbb{I} 21'12	
asc. node	-12857 Sep 03 j 23:40	23° \mathbb{I} 44'30		inferior conj	-12856 Aug 22 j 09:02	2° \mathbb{I} 22'52	0°28'16
inferior conj	-12857 Sep 08 j 08:46	18° \mathbb{I} 54'41	1°20'17	minimum elong	-12856 Aug 22 j 08:23	2° \mathbb{I} 25'00	0°28'45
minimum elong	-12857 Sep 08 j 06:55	19° \mathbb{I} 00'27	1°20'25	min. Earth dist.	-12856 Aug 23 j 07:46	1° \mathbb{I} 07'40	0.66419 AU
min. Earth dist.	-12857 Sep 09 j 18:52	17° \mathbb{I} 08'00	0.65578 AU		-12856 Aug 24 j 04:36	30° \mathbb{R} \mathbb{B}	
morning rise	-12857 Sep 13 j 22:53	12° \mathbb{I} 38'40		morning rise	-12856 Aug 27 j 19:22	26° \mathbb{B} 01'59	
direct	-12857 Sep 20 j 04:38	10° \mathbb{I} 01'32		direct	-12856 Sep 02 j 11:25	23° \mathbb{B} 37'22	
morning max el	-12857 Oct 02 j 21:15	17° \mathbb{I} 23'36	26°19'58		-12856 Sep 13 j 15:39	0° \mathbb{I}	
	-12857 Oct 13 j 13:40	0° \mathbb{B}		morning max el	-12856 Sep 14 j 07:18	0° \mathbb{I} 38'42	25°09'51
desc. node	-12857 Oct 22 j 07:09	12° \mathbb{B} 28'36			-12856 Oct 06 j 13:04	0° \mathbb{B}	
	-12857 Nov 02 j 01:17	0° \mathbb{Q}		desc. node	-12856 Oct 08 j 04:01	2° \mathbb{B} 31'12	
morning set	-12857 Nov 07 j 18:40	10° \mathbb{Q} 19'24		morning set	-12856 Oct 20 j 05:49	22° \mathbb{B} 40'49	
max. Earth dist.	-12857 Nov 11 j 23:46	18° \mathbb{Q} 23'04	1.35544 AU	max. Earth dist.	-12856 Oct 24 j 03:41	29° \mathbb{B} 47'12	1.37224 AU
					-12856 Oct 24 j 06:27	0° \mathbb{Q}	
superior conj	-12857 Nov 16 j 16:36	27° \mathbb{Q} 48'31	-1°33'43	superior conj	-12856 Oct 30 j 07:39	11° \mathbb{Q} 34'39	-1°36'16
minimum elong	-12857 Nov 16 j 17:35	27° \mathbb{Q} 53'32	1°33'12	minimum elong	-12856 Oct 30 j 07:22	11° \mathbb{Q} 33'12	1°35'38
	-12857 Nov 17 j 18:14	0° \mathbb{M}		evening rise	-12856 Nov 07 j 11:39	27° \mathbb{Q} 56'47	
evening rise	-12857 Nov 24 j 07:24	13° \mathbb{M} 34'04			-12856 Nov 08 j 12:17	0° \mathbb{M}	
asc. node	-12857 Nov 30 j 21:58	26° \mathbb{M} 30'55		asc. node	-12856 Nov 16 j 19:22	15° \mathbb{M} 21'40	
	-12857 Dec 02 j 21:14	0° \mathbb{A}		evening max el	-12856 Nov 24 j 20:09	25° \mathbb{M} 53'46	19°31'51
evening max el	-12857 Dec 13 j 07:21	13° \mathbb{A} 59'46	20°39'53		-12856 Dec 01 j 15:27	0° \mathbb{A}	
retrograde	-12857 Dec 24 j 04:40	19° \mathbb{A} 06'28		retrograde	-12856 Dec 04 j 04:49	0° \mathbb{A} 19'22	
evening set	-12857 Dec 26 j 22:06	18° \mathbb{A} 48'32		evening set	-12856 Dec 06 j 17:50	0° \mathbb{A} 01'16	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12856 Dec 06 j 19:58	30° \mathbb{R} 17		evening max el	-12855 Nov 07 j 18:58	8° \mathbb{M} 20'25	18°43'26
inferior conj	-12856 Dec 15 j 01:19	25° \mathbb{M} 52'30	4°03'11	retrograde	-12855 Nov 15 j 21:23	12° \mathbb{M} 16'28	
minimum elong	-12856 Dec 15 j 04:38	25° \mathbb{M} 47'02	4°02'52	evening set	-12855 Nov 18 j 08:42	11° \mathbb{M} 55'55	
min. Earth dist.	-12856 Dec 17 j 15:50	24° \mathbb{M} 10'39	0.56827 AU	inferior conj	-12855 Nov 26 j 03:43	7° \mathbb{M} 28'30	4°17'13
morning rise	-12856 Dec 23 j 13:20	21° \mathbb{M} 07'33		minimum elong	-12855 Nov 26 j 03:15	7° \mathbb{M} 29'22	4°17'32
direct	-12856 Dec 28 j 08:22	20° \mathbb{M} 15'21		min. Earth dist.	-12855 Nov 29 j 07:11	5° \mathbb{M} 07'50	0.58424 AU
desc. node	-12855 Jan 04 j 06:03	22° \mathbb{M} 04'10		morning rise	-12855 Dec 03 j 19:55	2° \mathbb{M} 21'00	
morning max el	-12855 Jan 11 j 05:20	27° \mathbb{M} 14'42	24°31'32	direct	-12855 Dec 09 j 20:30	0° \mathbb{M} 52'24	
	-12855 Jan 13 j 21:32	0° \mathbb{L}		desc. node	-12855 Dec 22 j 02:36	6° \mathbb{M} 29'22	
	-12855 Feb 02 j 00:40	0° \mathbb{M}		morning max el	-12855 Dec 23 j 20:58	8° \mathbb{M} 05'32	25°58'16
morning set	-12855 Feb 05 j 16:24	7° \mathbb{M} 29'08			-12854 Jan 09 j 07:26	0° \mathbb{L}	
				morning set	-12854 Jan 21 j 04:22	22° \mathbb{L} 32'51	
					-12854 Jan 24 j 16:11	0° \mathbb{M}	
superior conj	-12855 Feb 12 j 16:26	22° \mathbb{M} 31'44	-0°00'03				
minimum elong	-12855 Feb 12 j 16:27	22° \mathbb{M} 31'53	0°00'42				
behind sun begin	-12855 Feb 12 j 11:21	22° \mathbb{M} 04'19		superior conj	-12854 Jan 28 j 03:27	7° \mathbb{M} 33'24	-0°22'35
behind sun end	-12855 Feb 12 j 21:33	22° \mathbb{M} 59'25		minimum elong	-12854 Jan 28 j 04:21	7° \mathbb{M} 38'21	0°22'56
asc. node	-12855 Feb 12 j 16:32	22° \mathbb{M} 32'17		max. Earth dist.	-12854 Jan 28 j 16:40	8° \mathbb{M} 45'28	1.32882 AU
max. Earth dist.	-12855 Feb 14 j 04:41	25° \mathbb{M} 47'01	1.33290 AU	asc. node	-12854 Jan 30 j 13:51	12° \mathbb{M} 50'53	
	-12855 Feb 16 j 04:10	0° \mathbb{X}		evening rise	-12854 Feb 04 j 07:47	22° \mathbb{M} 54'27	
evening rise	-12855 Feb 20 j 02:59	8° \mathbb{X} 11'05			-12854 Feb 07 j 20:21	0° \mathbb{X}	
	-12855 Mar 03 j 21:19	0° \mathbb{Z}			-12854 Feb 25 j 23:59	0° \mathbb{Z}	
evening max el	-12855 Mar 24 j 16:16	28° \mathbb{Z} 08'02	27°25'01	evening max el	-12854 Mar 06 j 20:59	10° \mathbb{Z} 16'41	26°55'21
	-12855 Mar 26 j 16:57	0° \mathbb{A}		desc. node	-12854 Mar 20 j 04:10	17° \mathbb{Z} 42'25	
desc. node	-12855 Apr 02 j 07:05	4° \mathbb{A} 26'57		retrograde	-12854 Mar 20 j 23:16	17° \mathbb{Z} 44'05	
retrograde	-12855 Apr 07 j 14:33	5° \mathbb{A} 42'41		evening set	-12854 Mar 27 j 08:37	15° \mathbb{Z} 54'24	
evening set	-12855 Apr 14 j 10:34	3° \mathbb{A} 22'26		min. Earth dist.	-12854 Mar 31 j 10:18	13° \mathbb{Z} 02'19	0.60321 AU
min. Earth dist.	-12855 Apr 18 j 03:42	0° \mathbb{A} 18'45	0.62271 AU	inferior conj	-12854 Apr 03 j 17:24	10° \mathbb{Z} 13'28	-2°57'06
	-12855 Apr 18 j 11:38	30° \mathbb{R} 3		minimum elong	-12854 Apr 03 j 14:56	10° \mathbb{Z} 18'48	2°57'34
inferior conj	-12855 Apr 21 j 02:49	27° \mathbb{Z} 25'12	-3°18'19	morning rise	-12854 Apr 10 j 23:39	5° \mathbb{Z} 26'48	
minimum elong	-12855 Apr 21 j 02:00	27° \mathbb{Z} 27'11	3°19'01	direct	-12854 Apr 13 j 11:09	5° \mathbb{Z} 02'18	
morning rise	-12855 Apr 27 j 18:58	22° \mathbb{Z} 19'04		morning max el	-12854 Apr 20 j 14:28	8° \mathbb{Z} 32'51	18°11'48
direct	-12855 Apr 30 j 10:58	21° \mathbb{Z} 46'06		asc. node	-12854 Apr 28 j 12:51	19° \mathbb{Z} 19'08	
morning max el	-12855 May 07 j 01:58	25° \mathbb{Z} 08'37	18°02'40		-12854 May 04 j 13:25	0° \mathbb{A}	
	-12855 May 11 j 02:58	0° \mathbb{A}		morning set	-12854 May 06 j 17:25	4° \mathbb{A} 00'53	
asc. node	-12855 May 11 j 16:00	0° \mathbb{A} 46'08					
morning set	-12855 May 23 j 19:09	21° \mathbb{A} 12'02		superior conj	-12854 May 16 j 22:14	22° \mathbb{A} 42'20	1°47'35
	-12855 May 28 j 18:21	0° \mathbb{H}		minimum elong	-12854 May 16 j 20:59	22° \mathbb{A} 36'46	1°47'03
					-12854 May 21 j 01:59	0° \mathbb{H}	
superior conj	-12855 Jun 04 j 10:35	11° \mathbb{H} 31'51	1°46'51	max. Earth dist.	-12854 May 24 j 07:00	5° \mathbb{H} 28'47	1.41218 AU
minimum elong	-12855 Jun 04 j 12:34	11° \mathbb{H} 40'12	1°46'32	evening rise	-12854 May 30 j 01:03	14° \mathbb{H} 59'14	
max. Earth dist.	-12855 Jun 11 j 01:25	22° \mathbb{H} 32'16	1.42837 AU		-12854 Jun 08 j 14:37	0° \mathbb{Y}	
	-12855 Jun 15 j 16:26	0° \mathbb{Y}		desc. node	-12854 Jun 16 j 01:24	11° \mathbb{Y} 03'19	
evening rise	-12855 Jun 19 j 12:14	6° \mathbb{Y} 02'48			-12854 Jun 30 j 10:58	0° \mathbb{B}	
desc. node	-12855 Jun 29 j 03:48	20° \mathbb{Y} 52'03		evening max el	-12854 Jul 02 j 08:40	2° \mathbb{B} 01'29	22°27'35
	-12855 Jul 05 j 07:47	0° \mathbb{B}		retrograde	-12854 Jul 11 j 21:44	7° \mathbb{B} 40'59	
evening max el	-12855 Jul 19 j 16:05	18° \mathbb{B} 39'51	21°09'54	evening set	-12854 Jul 16 j 13:54	5° \mathbb{B} 45'01	
retrograde	-12855 Jul 28 j 03:08	23° \mathbb{B} 38'15			-12854 Jul 21 j 11:13	30° \mathbb{R} Y	
evening set	-12855 Aug 01 j 05:35	22° \mathbb{B} 03'39		inferior conj	-12854 Jul 21 j 19:12	29° \mathbb{Y} 32'24	-1°08'35
inferior conj	-12855 Aug 06 j 13:08	15° \mathbb{B} 55'56	-0°21'53	minimum elong	-12854 Jul 21 j 20:31	29° \mathbb{Y} 27'48	1°07'41
minimum elong	-12855 Aug 06 j 13:35	15° \mathbb{B} 54'25	0°21'06	min. Earth dist.	-12854 Jul 21 j 20:33	29° \mathbb{Y} 27'42	0.67230 AU
min. Earth dist.	-12855 Aug 07 j 01:07	15° \mathbb{B} 14'55	0.66972 AU	asc. node	-12854 Jul 25 j 14:16	24° \mathbb{Y} 41'29	
asc. node	-12855 Aug 07 j 17:29	14° \mathbb{B} 19'25		morning rise	-12854 Jul 27 j 03:03	23° \mathbb{Y} 14'02	
morning rise	-12855 Aug 11 j 21:25	9° \mathbb{B} 34'21		direct	-12854 Jul 31 j 15:49	21° \mathbb{Y} 23'59	
direct	-12855 Aug 16 j 23:27	7° \mathbb{B} 26'15		morning max el	-12854 Aug 10 j 05:48	27° \mathbb{Y} 09'59	22°24'59
morning max el	-12855 Aug 27 j 17:21	13° \mathbb{B} 53'53	23°48'36		-12854 Aug 12 j 20:01	0° \mathbb{B}	
	-12855 Sep 09 j 17:57	0° \mathbb{II}			-12854 Sep 03 j 09:40	0° \mathbb{II}	
desc. node	-12855 Sep 25 j 00:59	22° \mathbb{II} 50'18		desc. node	-12854 Sep 11 j 22:03	13° \mathbb{II} 20'52	
	-12855 Sep 29 j 10:45	0° \mathbb{E}		morning set	-12854 Sep 12 j 05:00	13° \mathbb{II} 48'51	
morning set	-12855 Oct 01 j 18:25	3° \mathbb{E} 52'52		max. Earth dist.	-12854 Sep 18 j 03:42	23° \mathbb{II} 36'25	1.41118 AU
max. Earth dist.	-12855 Oct 06 j 02:32	11° \mathbb{E} 21'37	1.39164 AU		-12854 Sep 21 j 21:39	0° \mathbb{E}	
superior conj	-12855 Oct 13 j 09:38	24° \mathbb{E} 37'19	-1°30'50	superior conj	-12854 Sep 25 j 17:29	6° \mathbb{E} 42'57	-1°15'19
minimum elong	-12855 Oct 13 j 07:39	24° \mathbb{E} 28'02	1°29'58	minimum elong	-12854 Sep 25 j 13:56	6° \mathbb{E} 27'07	1°14'10
	-12855 Oct 16 j 05:43	0° \mathbb{O}		evening rise	-12854 Oct 05 j 21:29	25° \mathbb{E} 22'09	
evening rise	-12855 Oct 22 j 09:20	11° \mathbb{O} 55'09			-12854 Oct 08 j 09:12	0° \mathbb{O}	
	-12855 Nov 01 j 08:02	0° \mathbb{M}		asc. node	-12854 Oct 21 j 14:02	20° \mathbb{O} 43'54	
asc. node	-12855 Nov 03 j 16:44	3° \mathbb{M} 30'17		evening max el	-12854 Oct 22 j 01:39	21° \mathbb{O} 13'23	18°15'15

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12854 Oct 29 j 07:27	24°Ω52'31		inferior conj	-12853 Oct 21 j 15:17	2°Ω17'37	3°26'31
evening set	-12854 Oct 31 j 18:38	24°Ω28'00		minimum elong	-12853 Oct 21 j 11:25	2°Ω27'08	3°26'22
inferior conj	-12854 Nov 08 j 01:08	19°Ω38'46	4°01'22		-12853 Oct 23 j 23:11	30°℞☿	
minimum elong	-12854 Nov 07 j 22:06	19°Ω45'19	4°01'32	min. Earth dist.	-12853 Oct 24 j 09:10	29°☿36'08	0.62040 AU
min. Earth dist.	-12854 Nov 11 j 03:49	16°Ω58'14	0.60249 AU	morning rise	-12853 Oct 28 j 01:01	26°☿31'50	
morning rise	-12854 Nov 15 j 00:05	14°Ω10'57		direct	-12853 Nov 04 j 02:06	24°☿02'44	
direct	-12854 Nov 21 j 18:53	12°Ω07'13			-12853 Nov 16 j 06:33	0°Ω	
morning max el	-12854 Dec 05 j 18:08	19°Ω28'13	27°01'09	morning max el	-12853 Nov 17 j 21:52	1°Ω30'49	27°31'26
desc. node	-12854 Dec 08 j 23:09	22°Ω47'24		desc. node	-12853 Nov 25 j 19:41	10°Ω27'23	
	-12854 Dec 14 j 19:55	0°♊			-12853 Dec 08 j 22:20	0°♊	
	-12853 Jan 01 j 21:16	0°♊		morning set	-12853 Dec 20 j 19:07	22°♊09'25	
morning set	-12853 Jan 05 j 13:58	7°♊28'46			-12853 Dec 24 j 13:26	0°♊	
				max. Earth dist.	-12853 Dec 26 j 17:17	4°♊37'46	1.33050 AU
superior conj	-12853 Jan 12 j 15:20	22°♊37'15	-0°43'32				
minimum elong	-12853 Jan 12 j 16:54	22°♊45'48	0°43'36	superior conj	-12853 Dec 28 j 02:27	7°♊37'10	-1°02'13
max. Earth dist.	-12853 Jan 12 j 06:08	21°♊46'58	1.32798 AU	minimum elong	-12853 Dec 28 j 04:23	7°♊47'40	1°02'03
	-12853 Jan 16 j 00:36	0°♋		evening rise	-12852 Jan 04 j 03:17	22°♊46'33	
asc. node	-12853 Jan 17 j 11:12	3°♋06'23		asc. node	-12852 Jan 04 j 08:36	23°♊14'25	
evening rise	-12853 Jan 19 j 16:30	7°♋48'34			-12852 Jan 07 j 15:54	0°♋	
	-12853 Jan 31 j 10:10	0°♌			-12852 Jan 26 j 20:04	0°♌	
evening max el	-12853 Feb 16 j 20:05	21°♌47'53	25°54'54	evening max el	-12852 Jan 29 j 14:21	2°♌49'32	24°31'43
retrograde	-12853 Mar 02 j 22:14	29°♌02'40		retrograde	-12852 Feb 12 j 09:55	9°♌43'04	
desc. node	-12853 Mar 07 j 01:09	28°♌21'03		evening set	-12852 Feb 16 j 22:29	8°♌56'49	
evening set	-12853 Mar 08 j 11:59	27°♌47'09		desc. node	-12852 Feb 21 j 21:59	6°♌33'40	
min. Earth dist.	-12853 Mar 13 j 09:29	24°♌52'54	0.58379 AU	min. Earth dist.	-12852 Feb 23 j 03:53	5°♌47'48	0.56735 AU
inferior conj	-12853 Mar 16 j 14:36	22°♌30'40	-2°10'40	inferior conj	-12852 Feb 25 j 16:10	4°♌10'44	-0°55'35
minimum elong	-12853 Mar 16 j 11:15	22°♌36'55	2°10'43	minimum elong	-12852 Feb 25 j 14:07	4°♌14'04	0°55'45
morning rise	-12853 Mar 24 j 13:39	18°♌03'37		morning rise	-12852 Mar 05 j 08:51	0°♌00'09	
direct	-12853 Mar 26 j 20:41	17°♌46'03			-12852 Mar 05 j 09:10	30°♌♋	
morning max el	-12853 Apr 03 j 22:41	21°♌38'23	18°40'13	direct	-12852 Mar 07 j 12:21	29°♌47'19	
	-12853 Apr 10 j 11:32	0°♍			-12852 Mar 09 j 14:21	0°♍	
asc. node	-12853 Apr 15 j 09:42	8°♍26'05		morning max el	-12852 Mar 16 j 23:37	4°♍16'25	19°28'18
morning set	-12853 Apr 20 j 05:35	17°♍34'09		asc. node	-12852 Apr 01 j 06:39	27°♍59'14	
	-12853 Apr 26 j 16:24	0°♎			-12852 Apr 02 j 07:12	0°♎	
				morning set	-12852 Apr 03 j 03:50	1°♎42'21	
superior conj	-12853 Apr 29 j 08:14	5°♎01'24	1°37'38				
minimum elong	-12853 Apr 29 j 05:25	4°♎48'14	1°36'44	superior conj	-12852 Apr 11 j 11:16	18°♎15'04	1°20'47
max. Earth dist.	-12853 May 06 j 08:09	17°♎44'25	1.39364 AU	minimum elong	-12852 Apr 11 j 08:13	18°♎00'10	1°19'38
evening rise	-12853 May 10 j 15:56	25°♎12'56		max. Earth dist.	-12852 Apr 17 j 08:56	29°♎30'21	1.37528 AU
	-12853 May 13 j 12:31	0°♏			-12852 Apr 17 j 15:20	0°♎	
	-12853 Jun 02 j 07:08	0°♏		evening rise	-12852 Apr 21 j 09:23	6°♎48'15	
desc. node	-12853 Jun 02 j 23:01	0°♏54'18			-12852 May 05 j 09:59	0°♏	
evening max el	-12853 Jun 14 j 20:09	15°♏20'38	23°50'02	desc. node	-12852 May 19 j 20:33	20°♏16'45	
retrograde	-12853 Jun 25 j 13:23	21°♏42'25		evening max el	-12852 May 27 j 05:37	28°♏40'43	25°09'41
evening set	-12853 Jun 30 j 20:10	19°♏25'31			-12852 May 28 j 14:26	0°♏	
min. Earth dist.	-12853 Jul 05 j 15:39	13°♏43'31	0.67173 AU	retrograde	-12852 Jun 08 j 01:18	5°♏38'32	
inferior conj	-12853 Jul 06 j 01:24	13°♏10'06	-1°50'35	evening set	-12852 Jun 13 j 22:26	3°♏04'10	
minimum elong	-12853 Jul 06 j 03:20	13°♏03'28	1°49'46		-12852 Jun 16 j 18:55	30°♏♏	
morning rise	-12853 Jul 11 j 10:28	6°♏58'25		min. Earth dist.	-12852 Jun 18 j 08:13	28°♏00'16	0.66777 AU
asc. node	-12853 Jul 12 j 10:59	6°♏17'16		inferior conj	-12852 Jun 19 j 06:01	26°♏48'00	-2°26'36
direct	-12853 Jul 15 j 11:23	5°♏26'06		minimum elong	-12852 Jun 19 j 08:12	26°♏40'45	2°26'06
morning max el	-12853 Jul 23 j 23:15	10°♏29'44	21°06'16	morning rise	-12852 Jun 24 j 17:59	20°♏46'03	
	-12853 Aug 07 j 18:24	0°♐		direct	-12852 Jun 28 j 08:52	19°♏29'58	
morning set	-12853 Aug 22 j 16:48	22°♐41'16		asc. node	-12852 Jun 28 j 07:40	19°♏29'58	
	-12853 Aug 27 j 07:53	0°♑		morning max el	-12852 Jul 05 j 23:03	23°♏55'46	19°57'57
desc. node	-12853 Aug 29 j 19:15	3°♑58'17			-12852 Jul 11 j 00:32	0°♑	
max. Earth dist.	-12853 Aug 31 j 10:43	6°♑38'15	1.42806 AU		-12852 Jul 31 j 01:46	0°♑	
				morning set	-12852 Jul 31 j 20:16	1°♑12'01	
superior conj	-12853 Sep 07 j 01:19	17°♑35'47	-0°47'57	max. Earth dist.	-12852 Aug 12 j 22:58	20°♑16'17	1.43996 AU
minimum elong	-12853 Sep 06 j 21:34	17°♑19'58	0°46'41	desc. node	-12852 Aug 15 j 16:35	24°♑39'12	
	-12853 Sep 14 j 05:57	0°♒					
evening rise	-12853 Sep 18 j 20:04	8°♒07'46		superior conj	-12852 Aug 17 j 05:34	27°♒08'26	-0°09'11
	-12853 Oct 01 j 21:33	0°♒		minimum elong	-12852 Aug 17 j 04:39	27°♒04'43	0°08'21
evening max el	-12853 Oct 05 j 13:20	4°♒24'55	18°06'48	behind sun begin	-12852 Aug 16 j 19:22	26°♒27'12	
asc. node	-12853 Oct 08 j 11:15	6°♒46'56		behind sun end	-12852 Aug 17 j 13:56	27°♒42'17	
retrograde	-12853 Oct 12 j 07:39	7°♒57'46			-12852 Aug 18 j 23:50	0°♒	
evening set	-12853 Oct 14 j 20:39	7°♒27'28		evening rise	-12852 Aug 31 j 00:01	19°♒59'38	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12852 Sep 05 j 21:51	0°☿		retrograde	-12851 Sep 08 j 10:13	5°☿05'57	
evening max el	-12852 Sep 18 j 03:05	17°☿48'43	18°17'09	evening set	-12851 Sep 11 j 09:52	4°☿15'48	
asc. node	-12852 Sep 24 j 08:23	21°☿23'29		asc. node	-12851 Sep 11 j 05:25	4°☿21'47	
retrograde	-12852 Sep 24 j 17:48	21°☿24'18			-12851 Sep 16 j 03:14	30°☿II	
evening set	-12852 Sep 27 j 10:55	20°☿45'41		inferior conj	-12851 Sep 17 j 08:37	28°II33'10	1°50'21
inferior conj	-12852 Oct 03 j 18:51	15°☿17'55	2°41'00	minimum elong	-12851 Sep 17 j 06:05	28°II40'45	1°50'18
minimum elong	-12852 Oct 03 j 15:21	15°☿27'33	2°40'46	min. Earth dist.	-12851 Sep 19 j 01:49	26°II29'40	0.64958 AU
min. Earth dist.	-12852 Oct 06 j 00:41	12°☿50'26	0.63638 AU	morning rise	-12851 Sep 23 j 01:44	22°II21'49	
morning rise	-12852 Oct 09 j 18:55	9°☿17'27		direct	-12851 Sep 29 j 14:42	19°II40'01	
direct	-12852 Oct 16 j 17:03	6°☿35'49		morning max el	-12851 Oct 12 j 16:16	27°II08'43	26°51'45
morning max el	-12852 Oct 30 j 06:07	14°☿08'01	27°27'06		-12851 Oct 15 j 10:00	0°☿	
desc. node	-12852 Nov 11 j 16:16	29°☿06'09		desc. node	-12851 Oct 29 j 12:57	18°☿26'59	
	-12852 Nov 12 j 07:32	0°♌			-12851 Nov 05 j 21:52	0°♌	
	-12852 Nov 30 j 09:46	0°♍		morning set	-12851 Nov 17 j 05:15	20°♌07'50	
morning set	-12852 Dec 03 j 17:16	6°♍25'48		max. Earth dist.	-12851 Nov 21 j 18:01	29°♌02'22	1.34741 AU
max. Earth dist.	-12852 Dec 08 j 22:17	17°♍05'03	1.33684 AU		-12851 Nov 22 j 05:25	0°♍	
superior conj	-12852 Dec 11 j 10:59	22°♍26'35	-1°17'49	superior conj	-12851 Nov 25 j 14:55	6°♍58'49	-1°29'22
minimum elong	-12852 Dec 11 j 12:54	22°♍36'53	1°17'29	minimum elong	-12851 Nov 25 j 16:23	7°♍06'31	1°28'56
	-12852 Dec 14 j 23:32	0°♎		evening rise	-12851 Dec 03 j 00:24	22°♍29'47	
evening rise	-12852 Dec 18 j 14:27	7°♎42'03			-12851 Dec 06 j 17:14	0°♎	
asc. node	-12852 Dec 21 j 06:02	13°♎09'35		asc. node	-12851 Dec 08 j 03:28	2°♎45'57	
	-12852 Dec 30 j 12:36	0°♏		evening max el	-12851 Dec 23 j 05:50	24°♎45'49	21°26'58
evening max el	-12851 Jan 10 j 07:46	13°♏40'54	22°58'02		-12850 Jan 01 j 05:24	0°♏	
retrograde	-12851 Jan 23 j 09:25	19°♏59'22		retrograde	-12850 Jan 04 j 00:16	0°♏18'28	
evening set	-12851 Jan 26 j 22:34	19°♏31'51		evening set	-12850 Jan 06 j 22:34	29°♎59'01	
min. Earth dist.	-12851 Feb 03 j 19:43	15°♏55'54	0.55702 AU		-12850 Jan 06 j 20:44	30°☿♎	
inferior conj	-12851 Feb 04 j 23:47	15°♏14'47	0°42'25	inferior conj	-12850 Jan 15 j 21:45	25°♎58'38	2°22'32
minimum elong	-12851 Feb 05 j 01:32	15°♏12'13	0°41'16	minimum elong	-12850 Jan 16 j 03:05	25°♎50'59	2°20'42
desc. node	-12851 Feb 07 j 18:42	13°♏39'33		min. Earth dist.	-12850 Jan 16 j 09:53	25°♎41'15	0.55500 AU
morning rise	-12851 Feb 14 j 06:06	11°♏11'04		morning rise	-12850 Jan 25 j 07:00	21°♎47'22	
direct	-12851 Feb 16 j 11:32	10°♏59'06		desc. node	-12850 Jan 25 j 15:20	21°♎43'18	
morning max el	-12851 Feb 27 j 14:25	16°♏17'04	20°35'51	direct	-12850 Jan 28 j 03:05	21°♎29'24	
	-12851 Mar 09 j 19:37	0°♐		morning max el	-12850 Feb 09 j 17:42	27°♎36'53	22°00'39
morning set	-12851 Mar 18 j 09:00	16°♐15'51			-12850 Feb 12 j 01:07	0°♏	
asc. node	-12851 Mar 19 j 03:42	17°♐51'26			-12850 Mar 02 j 05:41	0°♐	
	-12851 Mar 25 j 01:16	0°♑		morning set	-12850 Mar 02 j 18:38	1°♐06'57	
				asc. node	-12850 Mar 06 j 00:52	7°♐57'08	
superior conj	-12851 Mar 26 j 02:36	2°♑09'03	0°59'53	superior conj	-12850 Mar 10 j 02:38	16°♐32'28	0°36'57
minimum elong	-12851 Mar 26 j 00:06	1°♑56'24	0°58'40	minimum elong	-12850 Mar 10 j 01:04	16°♐24'16	0°35'51
max. Earth dist.	-12851 Mar 30 j 15:40	11°♑12'43	1.35912 AU	max. Earth dist.	-12850 Mar 13 j 08:33	23°♐15'43	1.34623 AU
evening rise	-12851 Apr 04 j 00:09	19°♑30'29			-12850 Mar 16 j 17:08	0°♑	
	-12851 Apr 09 j 20:20	0°♒		evening rise	-12850 Mar 18 j 06:39	3°♑02'57	
	-12851 Apr 29 j 09:46	0°♓			-12850 Apr 02 j 17:19	0°♒	
desc. node	-12851 May 06 j 18:01	8°♓58'40		evening max el	-12850 Apr 22 j 02:34	25°♒16'28	27°06'08
evening max el	-12851 May 09 j 15:36	12°♓01'28	26°17'54	desc. node	-12850 Apr 23 j 15:22	26°♒43'33	
retrograde	-12851 May 22 j 08:40	19°♓23'10			-12850 Apr 27 j 17:53	0°♓	
evening set	-12851 May 28 j 18:27	16°♓38'23		retrograde	-12850 May 05 j 10:45	2°♓49'24	
min. Earth dist.	-12851 Jun 01 j 20:00	12°♓13'39	0.66008 AU	evening set	-12850 May 12 j 05:36	0°♓04'21	
inferior conj	-12851 Jun 03 j 07:04	10°♓23'41	-2°55'13		-12850 May 12 j 07:43	30°☿♓	
minimum elong	-12851 Jun 03 j 09:05	10°♓17'21	2°55'08	min. Earth dist.	-12850 May 16 j 00:52	26°♓16'53	0.64848 AU
morning rise	-12851 Jun 08 j 23:52	4°♓34'15		inferior conj	-12850 May 18 j 02:18	23°♓53'46	-3°14'27
direct	-12851 Jun 12 j 06:36	3°♓32'24		minimum elong	-12850 May 18 j 03:39	23°♓49'52	3°14'49
asc. node	-12851 Jun 15 j 04:21	4°♓18'03		morning rise	-12850 May 24 j 02:07	18°♓19'26	
morning max el	-12851 Jun 19 j 04:58	7°♓27'47	19°03'48	direct	-12850 May 27 j 02:21	17°♓29'55	
	-12851 Jul 05 j 00:39	0°♔		asc. node	-12850 Jun 02 j 01:05	20°♓28'29	
morning set	-12851 Jul 11 j 10:53	10°♔13'43		morning max el	-12850 Jun 02 j 15:41	21°♓04'01	18°26'03
	-12851 Jul 23 j 21:59	0°♕			-12850 Jun 09 j 12:19	0°♔	
max. Earth dist.	-12851 Jul 26 j 14:32	4°♕15'24	1.44545 AU	morning set	-12850 Jun 22 j 00:44	20°♔19'26	
					-12850 Jun 27 j 21:47	0°♔	
superior conj	-12851 Jul 27 j 11:19	5°♕37'39	0°35'26	superior conj	-12850 Jul 06 j 12:34	13°♔54'58	1°14'54
minimum elong	-12851 Jul 27 j 15:28	5°♕54'06	0°35'26	minimum elong	-12850 Jul 06 j 19:10	14°♔21'18	1°14'30
desc. node	-12851 Aug 02 j 14:01	15°♕20'20		max. Earth dist.	-12850 Jul 09 j 06:56	18°♔19'13	1.44399 AU
	-12851 Aug 11 j 16:59	0°♖			-12850 Jul 16 j 16:23	0°♕	
evening rise	-12851 Aug 12 j 03:32	0°♖42'42		desc. node	-12850 Jul 20 j 11:32	5°♕58'01	
	-12851 Aug 31 j 10:52	0°☿					
evening max el	-12851 Sep 01 j 16:01	1°☿19'08	18°45'13				






























































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12850 Jul 23 j 03:24	10°♄08'23		desc. node	-12849 Jul 07 j 09:07	26°♃29'12	
greatest brilliancy	-12850 Aug 02 j 08:46	26°♄03'35	-0.7m		-12849 Jul 09 j 16:21	0°♄	
	-12850 Aug 04 j 22:52	0°♄		evening max el	-12849 Jul 30 j 04:41	28°♄18'16	20°29'32
evening max el	-12850 Aug 16 j 01:18	14°♄50'02	19°29'53		-12849 Jul 31 j 23:42	0°♄	
retrograde	-12850 Aug 23 j 05:56	18°♄57'10		retrograde	-12849 Aug 07 j 02:41	2°♄55'21	
evening set	-12850 Aug 26 j 14:24	17°♄52'03		evening set	-12849 Aug 10 j 22:05	1°♄32'05	
asc. node	-12850 Aug 29 j 02:24	15°♄43'06			-12849 Aug 12 j 15:40	30°♄	
inferior conj	-12850 Sep 01 j 05:43	11°♄57'21	0°58'04	asc. node	-12849 Aug 15 j 23:19	25°♄56'57	
minimum elong	-12850 Sep 01 j 04:23	12°♄01'37	0°58'22	inferior conj	-12849 Aug 16 j 07:53	25°♄28'10	0°06'39
min. Earth dist.	-12850 Sep 02 j 10:54	10°♄23'43	0.65977 AU	minimum elong	-12849 Aug 16 j 07:43	25°♄28'44	0°07'17
morning rise	-12850 Sep 06 j 18:02	5°♄39'03		transit middle	-12849 Aug 16 j 07:43	25°♄28'44	0°07'17
direct	-12850 Sep 12 j 18:14	3°♄06'27		transit begin	-12849 Aug 16 j 05:16	25°♄36'59	
morning max el	-12850 Sep 25 j 02:26	10°♄20'39	25°52'02	transit end	-12849 Aug 16 j 10:10	25°♄20'28	
	-12850 Oct 10 j 20:18	0°♄		min. Earth dist.	-12849 Aug 17 j 01:54	24°♄27'34	0.66696 AU
desc. node	-12850 Oct 16 j 09:44	8°♄16'51		morning rise	-12849 Aug 21 j 17:10	19°♄06'44	
	-12850 Oct 29 j 10:39	0°♄		direct	-12849 Aug 27 j 03:11	16°♄49'04	
morning set	-12850 Oct 31 j 02:49	3°♄02'03		morning max el	-12849 Sep 07 j 12:24	23°♄36'41	24°36'07
max. Earth dist.	-12850 Nov 04 j 03:12	10°♄33'23	1.36220 AU		-12849 Sep 13 j 04:59	0°♄	
				desc. node	-12849 Oct 03 j 06:39	28°♄27'26	
superior conj	-12850 Nov 09 j 11:34	21°♄04'24	-1°35'39		-12849 Oct 04 j 05:59	0°♄	
minimum elong	-12850 Nov 09 j 12:04	21°♄06'56	1°35'06	morning set	-12849 Oct 13 j 04:58	14°♄55'13	
	-12850 Nov 13 j 20:41	0°♄		max. Earth dist.	-12849 Oct 17 j 04:35	21°♄59'53	1.38040 AU
evening rise	-12850 Nov 17 j 07:17	7°♄03'11			-12849 Oct 21 j 12:19	0°♄	
asc. node	-12850 Nov 25 j 00:54	21°♄55'39					
	-12850 Nov 30 j 03:18	0°♄		superior conj	-12849 Oct 23 j 21:35	4°♄33'27	-1°35'03
evening max el	-12850 Dec 05 j 12:38	6°♄19'22	20°08'38	minimum elong	-12849 Oct 23 j 20:37	4°♄28'44	1°34'20
retrograde	-12850 Dec 15 j 17:32	11°♄06'57		evening rise	-12849 Nov 01 j 09:03	21°♄16'30	
evening set	-12850 Dec 18 j 08:54	10°♄49'08			-12849 Nov 05 j 20:50	0°♄	
inferior conj	-12850 Dec 26 j 23:01	6°♄47'15	3°37'40	asc. node	-12849 Nov 11 j 22:17	10°♄29'49	
minimum elong	-12850 Dec 27 j 04:08	6°♄39'24	3°36'39	evening max el	-12849 Nov 18 j 05:43	18°♄26'59	19°08'39
min. Earth dist.	-12850 Dec 28 j 22:50	5°♄34'22	0.56142 AU	retrograde	-12849 Nov 27 j 00:27	22°♄38'48	
morning rise	-12849 Jan 04 j 21:36	2°♄16'30		evening set	-12849 Nov 29 j 12:31	22°♄19'49	
direct	-12849 Jan 08 j 21:52	1°♄40'55		inferior conj	-12849 Dec 07 j 14:42	18°♄03'23	4°13'31
desc. node	-12849 Jan 12 j 11:56	2°♄10'16		minimum elong	-12849 Dec 07 j 16:23	18°♄00'27	4°13'36
morning max el	-12849 Jan 22 j 11:34	8°♄25'21	23°36'19	min. Earth dist.	-12849 Dec 10 j 12:28	16°♄03'12	0.57462 AU
	-12849 Feb 07 j 00:44	0°♄		morning rise	-12849 Dec 15 j 18:15	13°♄08'37	
morning set	-12849 Feb 15 j 06:38	16°♄08'31		direct	-12849 Dec 21 j 02:42	12°♄01'53	
asc. node	-12849 Feb 20 j 22:06	28°♄11'25		desc. node	-12849 Dec 30 j 08:30	15°♄15'23	
	-12849 Feb 21 j 18:19	0°♄		morning max el	-12848 Jan 04 j 02:15	19°♄07'48	25°10'40
					-12848 Jan 13 j 05:48	0°♄	
superior conj	-12849 Feb 22 j 08:37	1°♄16'35	0°13'24		-12848 Jan 30 j 05:02	0°♄	
minimum elong	-12849 Feb 22 j 08:04	1°♄13'41	0°12'33	morning set	-12848 Jan 30 j 19:06	1°♄13'34	
behind sun begin	-12849 Feb 22 j 04:54	0°♄56'40					
behind sun end	-12849 Feb 22 j 11:15	1°♄30'41		superior conj	-12848 Feb 06 j 18:19	16°♄13'51	-0°09'47
max. Earth dist.	-12849 Feb 24 j 11:12	5°♄45'53	1.33679 AU	minimum elong	-12848 Feb 06 j 18:44	16°♄16'09	0°10'19
evening rise	-12849 Mar 02 j 00:21	17°♄11'24		behind sun begin	-12848 Feb 06 j 14:53	15°♄55'14	
	-12849 Mar 08 j 17:51	0°♄		behind sun end	-12848 Feb 06 j 22:35	16°♄37'03	
	-12849 Mar 28 j 04:57	0°♄		asc. node	-12848 Feb 07 j 19:23	18°♄29'44	
evening max el	-12849 Apr 04 j 12:50	8°♄14'13	27°27'11	max. Earth dist.	-12848 Feb 07 j 20:45	18°♄37'07	1.33074 AU
desc. node	-12849 Apr 10 j 12:37	13°♄08'38			-12848 Feb 13 j 05:30	0°♄	
retrograde	-12849 Apr 18 j 06:49	15°♄49'33		evening rise	-12848 Feb 14 j 01:50	1°♄44'28	
evening set	-12849 Apr 25 j 04:53	13°♄16'33			-12848 Feb 29 j 17:17	0°♄	
min. Earth dist.	-12849 Apr 28 j 21:11	10°♄00'09	0.63304 AU	evening max el	-12848 Mar 16 j 19:59	20°♄42'21	27°16'24
inferior conj	-12849 May 01 j 13:02	7°♄13'26	-3°21'27	desc. node	-12848 Mar 27 j 09:47	27°♄43'06	
minimum elong	-12849 May 01 j 13:09	7°♄13'08	3°22'06	retrograde	-12848 Mar 30 j 20:07	28°♄14'37	
morning rise	-12849 May 07 j 22:25	1°♄56'34		evening set	-12848 Apr 06 j 12:59	26°♄06'02	
direct	-12849 May 10 j 17:19	1°♄17'52		min. Earth dist.	-12848 Apr 10 j 08:23	23°♄09'26	0.61455 AU
morning max el	-12849 May 17 j 05:10	4°♄41'02	18°06'01	inferior conj	-12848 Apr 13 j 11:58	20°♄15'05	-3°12'02
asc. node	-12849 May 19 j 21:51	7°♄45'36		minimum elong	-12848 Apr 13 j 10:26	20°♄18'39	3°12'41
	-12849 Jun 02 j 17:33	0°♄		morning rise	-12848 Apr 20 j 09:46	15°♄17'27	
morning set	-12849 Jun 03 j 15:35	1°♄35'35		direct	-12848 Apr 22 j 23:55	14°♄48'13	
				morning max el	-12848 Apr 29 j 18:52	18°♄12'16	18°04'20
superior conj	-12849 Jun 16 j 06:43	23°♄02'27	1°39'57	asc. node	-12848 May 05 j 18:38	25°♄54'12	
minimum elong	-12849 Jun 16 j 10:56	23°♄19'53	1°39'38		-12848 May 08 j 07:38	0°♄	
	-12849 Jun 20 j 12:50	0°♄		morning set	-12848 May 16 j 03:42	13°♄53'11	
max. Earth dist.	-12849 Jun 21 j 21:09	2°♄10'30	1.43576 AU		-12848 May 25 j 03:32	0°♄	
evening rise	-12849 Jul 02 j 06:40	18°♄36'45					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12848 May 27 j 03:19	3° H 28'02	1°48'46	superior conj	-12847 May 09 j 01:07	15° \approx 09'35	1°44'26
minimum elong	-12848 May 27 j 03:44	3° H 29'52	1°48'22	minimum elong	-12847 May 08 j 23:00	14° \approx 59'58	1°43'45
max. Earth dist.	-12848 Jun 03 j 06:01	15° H 29'45	1.42187 AU	max. Earth dist.	-12847 May 16 j 08:45	28° \approx 06'03	1.40438 AU
evening rise	-12848 Jun 10 j 09:26	27° H 03'18			-12847 May 17 j 11:26	0° H	
	-12848 Jun 12 j 06:13	0° Y		evening rise	-12847 May 21 j 08:31	6° H 29'51	
desc. node	-12848 Jun 23 j 06:44	16° Y 49'09			-12847 Jun 05 j 10:01	0° Y	
	-12848 Jul 02 j 11:54	0° B		desc. node	-12847 Jun 10 j 04:19	6° Y 52'39	
evening max el	-12848 Jul 12 j 00:56	11° B 41'22	21°41'50	evening max el	-12847 Jun 24 j 14:53	25° Y 01'04	23°02'29
retrograde	-12848 Jul 20 j 22:37	16° B 57'05			-12847 Jun 30 j 22:46	0° B	
evening set	-12848 Jul 25 j 06:43	15° B 13'22		retrograde	-12847 Jul 04 j 16:12	0° B 59'32	
inferior conj	-12848 Jul 30 j 13:02	9° B 02'59	-0°42'11		-12847 Jul 08 j 02:25	30° R Y	
minimum elong	-12848 Jul 30 j 13:53	9° B 00'03	0°41'20	evening set	-12847 Jul 09 j 14:24	28° Y 54'36	
min. Earth dist.	-12848 Jul 30 j 20:26	8° B 37'28	0.67118 AU	inferior conj	-12847 Jul 14 j 19:23	22° Y 40'21	-1°27'02
asc. node	-12848 Aug 01 j 20:08	5° B 57'52		minimum elong	-12847 Jul 14 j 21:00	22° Y 34'45	1°26'09
morning rise	-12848 Aug 04 j 20:57	2° B 42'18		min. Earth dist.	-12847 Jul 14 j 16:07	22° Y 51'37	0.67240 AU
direct	-12848 Aug 09 j 17:03	0° B 42'04		asc. node	-12847 Jul 19 j 16:52	16° Y 46'32	
morning max el	-12848 Aug 19 j 23:20	6° B 52'53	23°12'51	morning rise	-12847 Jul 20 j 03:31	16° Y 24'09	
	-12848 Sep 06 j 19:46	0° II		direct	-12847 Jul 24 j 10:57	14° Y 41'47	
desc. node	-12848 Sep 19 j 03:40	18° II 52'18		morning max el	-12847 Aug 02 j 13:37	20° Y 10'08	21°50'27
morning set	-12848 Sep 23 j 06:45	25° II 35'35			-12847 Aug 10 j 16:24	0° B	
	-12848 Sep 25 j 21:59	0° B			-12847 Aug 31 j 02:00	0° II	
max. Earth dist.	-12848 Sep 28 j 03:50	3° B 49'47	1.40010 AU	morning set	-12847 Sep 03 j 06:38	5° II 01'43	
				desc. node	-12847 Sep 06 j 00:48	9° II 26'29	
superior conj	-12848 Oct 05 j 16:31	17° B 13'36	-1°25'37	max. Earth dist.	-12847 Sep 10 j 06:40	16° II 22'42	1.41878 AU
minimum elong	-12848 Oct 05 j 13:48	17° B 01'07	1°24'37				
	-12848 Oct 12 j 11:46	0° B		superior conj	-12847 Sep 17 j 14:52	28° II 50'19	-1°05'13
evening rise	-12848 Oct 15 j 03:07	5° B 02'55		minimum elong	-12847 Sep 17 j 10:57	28° II 33'19	1°03'58
asc. node	-12848 Oct 28 j 19:37	28° B 17'06			-12847 Sep 18 j 06:51	0° B	
	-12848 Oct 30 j 06:41	0° B		evening rise	-12847 Sep 28 j 10:04	18° B 13'51	
evening max el	-12848 Oct 31 j 08:08	1° B 05'52	18°28'57		-12847 Oct 04 j 22:34	0° B	
retrograde	-12848 Nov 08 j 00:52	4° B 53'40		evening max el	-12847 Oct 14 j 17:22	14° B 08'22	18°09'21
evening set	-12848 Nov 10 j 11:44	4° B 31'47		asc. node	-12847 Oct 15 j 16:52	15° B 03'11	
	-12848 Nov 17 j 23:00	30° R B		retrograde	-12847 Oct 21 j 17:16	17° B 43'27	
inferior conj	-12848 Nov 18 j 01:23	29° B 55'14	4°13'30	evening set	-12847 Oct 24 j 04:56	17° B 16'49	
minimum elong	-12848 Nov 17 j 23:37	29° B 58'46	4°13'49	inferior conj	-12847 Oct 31 j 06:19	12° B 18'56	3°48'21
min. Earth dist.	-12848 Nov 21 j 05:53	27° B 23'25	0.59183 AU	minimum elong	-12847 Oct 31 j 02:44	12° B 27'07	3°48'22
morning rise	-12848 Nov 25 j 09:43	24° B 38'23		min. Earth dist.	-12847 Nov 03 j 06:07	9° B 35'31	0.61026 AU
direct	-12848 Dec 01 j 19:22	22° B 54'05		morning rise	-12847 Nov 06 j 23:09	6° B 43'09	
	-12848 Dec 15 j 15:12	0° B		direct	-12847 Nov 13 j 22:07	4° B 26'43	
morning max el	-12848 Dec 15 j 20:08	0° B 11'43	26°28'41	morning max el	-12847 Nov 27 j 20:05	11° B 51'28	27°18'12
desc. node	-12848 Dec 16 j 05:02	0° B 33'13		desc. node	-12847 Dec 03 j 01:34	17° B 29'47	
	-12847 Jan 05 j 23:19	0° B			-12847 Dec 12 j 06:38	0° B	
morning set	-12847 Jan 14 j 06:19	16° B 15'38			-12847 Dec 29 j 01:23	0° B	
	-12847 Jan 20 j 15:40	0° B		morning set	-12847 Dec 29 j 14:17	1° B 06'16	
				max. Earth dist.	-12846 Jan 04 j 22:28	14° B 36'39	1.32858 AU
superior conj	-12847 Jan 21 j 05:56	1° B 17'58	-0°31'43				
minimum elong	-12847 Jan 21 j 07:09	1° B 24'38	0°31'56	superior conj	-12846 Jan 05 j 17:42	16° B 21'26	-0°51'48
max. Earth dist.	-12847 Jan 21 j 09:44	1° B 38'42	1.32799 AU	minimum elong	-12846 Jan 05 j 19:28	16° B 31'03	0°51'44
asc. node	-12847 Jan 24 j 16:43	8° B 48'09		asc. node	-12846 Jan 11 j 14:06	29° B 01'29	
evening rise	-12847 Jan 28 j 08:33	16° B 33'46			-12846 Jan 12 j 01:09	0° B	
	-12847 Feb 04 j 04:07	0° B		evening rise	-12846 Jan 12 j 18:22	1° B 30'38	
	-12847 Feb 24 j 09:31	0° B			-12846 Jan 28 j 12:00	0° B	
evening max el	-12847 Feb 26 j 22:09	2° B 34'41	26°33'04	evening max el	-12846 Feb 08 j 19:00	13° B 52'10	25°21'43
retrograde	-12847 Mar 13 j 01:14	9° B 58'30		retrograde	-12846 Feb 22 j 19:50	20° B 59'21	
desc. node	-12847 Mar 14 j 06:48	9° B 54'35		evening set	-12846 Feb 27 j 22:51	19° B 57'40	
evening set	-12847 Mar 19 j 03:11	8° B 23'09		desc. node	-12846 Mar 01 j 03:40	19° B 26'23	
min. Earth dist.	-12847 Mar 23 j 11:36	5° B 31'49	0.59473 AU	min. Earth dist.	-12846 Mar 05 j 08:45	16° B 58'15	0.57623 AU
inferior conj	-12847 Mar 26 j 19:32	2° B 51'18	-2°40'47	inferior conj	-12846 Mar 08 j 08:30	14° B 53'28	-1°42'19
minimum elong	-12847 Mar 26 j 16:31	2° B 57'25	2°41'05	minimum elong	-12846 Mar 08 j 05:22	14° B 58'58	1°42'18
	-12847 Mar 30 j 15:33	30° R B		morning rise	-12846 Mar 16 j 15:07	10° B 33'48	
morning rise	-12847 Apr 03 j 08:42	28° B 13'23		direct	-12846 Mar 18 j 20:14	10° B 18'39	
direct	-12847 Apr 05 j 18:08	27° B 52'12		morning max el	-12846 Mar 27 j 11:26	14° B 25'22	18°58'11
	-12847 Apr 11 j 11:30	0° B			-12846 Apr 07 j 08:05	0° B	
morning max el	-12847 Apr 13 j 05:58	1° B 30'19	18°21'32	asc. node	-12846 Apr 09 j 12:23	4° B 02'07	
asc. node	-12847 Apr 22 j 15:28	14° B 42'57		morning set	-12846 Apr 13 j 01:14	10° B 51'14	
morning set	-12847 Apr 29 j 08:22	27° B 01'58					
	-12847 Apr 30 j 21:59	0° \approx		superior conj	-12846 Apr 21 j 18:57	27° B 53'21	1°31'07

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12846 Apr 21 j 15:55	27°  38'49"	1°30'07"	morning set	-12845 Mar 28 j 02:45	25°  11'15"	
	-12846 Apr 22 j 21:37	0° 			-12845 Mar 30 j 11:50	0° 	
max. Earth dist.	-12846 Apr 28 j 08:45	10°  05'22"	1.38569 AU				
evening rise	-12846 May 02 j 11:11	17°  19'43"		superior conj	-12845 Apr 05 j 03:41	11°  25'15"	1°12'15"
	-12846 May 10 j 01:23	0° 		minimum elong	-12845 Apr 05 j 00:48	11°  10'55"	1°11'03"
desc. node	-12846 May 28 j 01:52	26°  32'42"		max. Earth dist.	-12845 Apr 10 j 11:47	21°  348'05"	1.36810 AU
	-12846 May 30 j 18:07	0° 		evening rise	-12845 Apr 14 j 14:23	29°  325'21"	
evening max el	-12846 Jun 07 j 01:16	8°  21'06"	24°24'54"		-12845 Apr 14 j 22:02	0° 	
retrograde	-12846 Jun 18 j 06:19	14°  59'15"			-12845 May 03 j 07:06	0° 	
evening set	-12846 Jun 23 j 19:13	12°  34'37"		desc. node	-12845 May 14 j 23:21	15°  39'26"	
min. Earth dist.	-12846 Jun 28 j 10:31	7°  08'20"	0.67044 AU	evening max el	-12845 May 20 j 10:55	21°  342'17"	25°40'44"
inferior conj	-12846 Jun 29 j 01:08	6°  18'45"	-2°06'40"	retrograde	-12845 Jun 01 j 16:09	28°  351'02"	
minimum elong	-12846 Jun 29 j 03:14	6°  11'40"	2°05'59"	evening set	-12845 Jun 07 j 19:04	26°  311'16"	
morning rise	-12846 Jul 04 j 11:11	0°  10'38"		min. Earth dist.	-12845 Jun 12 j 01:14	21°  342'09"	0.66498 AU
	-12846 Jul 04 j 17:07	30°  38'38"		inferior conj	-12845 Jun 13 j 04:28	19°  355'46"	-2°39'47"
asc. node	-12846 Jul 06 j 13:34	29°  302'39"		minimum elong	-12845 Jun 13 j 06:39	19°  348'42"	2°39'27"
direct	-12846 Jul 08 j 07:41	28°  345'14"		morning rise	-12845 Jun 18 j 18:15	13°  358'53"	
	-12846 Jul 12 j 04:33	0° 		direct	-12845 Jun 22 j 05:33	12°  348'56"	
morning max el	-12846 Jul 16 j 09:34	3°  32'02"	20°35'40"	asc. node	-12845 Jun 23 j 10:15	12°  356'52"	
	-12846 Aug 04 j 15:33	0° 		morning max el	-12845 Jun 29 j 12:01	17°  300'19"	19°33'05"
morning set	-12846 Aug 13 j 12:33	13°  38'32"			-12845 Jul 09 j 08:49	0° 	
max. Earth dist.	-12846 Aug 23 j 16:02	29°  341'51"	1.43382 AU	morning set	-12845 Jul 23 j 18:34	22°  316'30"	
desc. node	-12846 Aug 23 j 22:04	0°  06'11"			-12845 Jul 28 j 16:39	0° 	
	-12846 Aug 23 j 20:32	0° 		max. Earth dist.	-12845 Aug 06 j 06:34	13°  332'53"	1.44315 AU
superior conj	-12846 Aug 29 j 11:12	9°  010'11"	-0°32'44"	superior conj	-12845 Aug 09 j 04:23	18°  311'05"	0°09'38"
minimum elong	-12846 Aug 29 j 08:14	8°  0157'52"	0°31'35"	minimum elong	-12845 Aug 09 j 05:34	18°  315'49"	0°10'06"
	-12846 Sep 10 j 16:34	0° 		behind sun begin	-12845 Aug 08 j 20:46	17°  340'36"	
evening rise	-12846 Sep 11 j 01:26	0°  338'42"		behind sun end	-12845 Aug 09 j 14:23	18°  351'04"	
evening max el	-12846 Sep 28 j 06:26	27°  326'56"	18°08'59"	desc. node	-12845 Aug 10 j 19:26	20°  347'25"	
	-12846 Oct 01 j 11:11	0° 			-12845 Aug 16 j 12:05	0° 	
asc. node	-12846 Oct 02 j 14:02	0°  032'06"		evening rise	-12845 Aug 23 j 19:37	12°  302'52"	
retrograde	-12846 Oct 04 j 22:06	0°  059'30"			-12845 Sep 03 j 18:16	0° 	
evening set	-12846 Oct 07 j 12:41	0°  025'52"		evening max el	-12845 Sep 11 j 20:11	10°  354'00"	18°26'58"
	-12846 Oct 08 j 09:52	30°  3838"		retrograde	-12845 Sep 18 j 11:25	14°  333'14"	
inferior conj	-12846 Oct 14 j 02:37	25°  308'07"	3°08'09"	asc. node	-12845 Sep 19 j 11:09	14°  327'53"	
minimum elong	-12846 Oct 13 j 22:47	25°  318'00"	3°07'55"	evening set	-12845 Sep 21 j 07:06	13°  349'58"	
min. Earth dist.	-12846 Oct 16 j 15:35	22°  331'12"	0.62757 AU	inferior conj	-12845 Sep 27 j 10:53	8°  325'14"	2°19'53"
morning rise	-12846 Oct 20 j 07:54	19°  316'00"		minimum elong	-12845 Sep 27 j 07:45	8°  324'11"	2°19'43"
direct	-12846 Oct 27 j 08:52	16°  339'54"		min. Earth dist.	-12845 Sep 29 j 11:11	5°  357'23"	0.64237 AU
morning max el	-12846 Nov 10 j 01:51	24°  309'34"	27°33'36"	morning rise	-12845 Oct 03 j 07:43	2°  309'46"	
	-12846 Nov 15 j 11:21	0° 			-12845 Oct 07 j 00:16	30°  3838"	
desc. node	-12846 Nov 19 j 22:09	5°  037'40"		direct	-12845 Oct 10 j 02:29	29°  3027'06"	
	-12846 Dec 05 j 11:49	0° 			-12845 Oct 13 j 08:44	0° 	
morning set	-12846 Dec 13 j 16:47	15°  337'40"		morning max el	-12845 Oct 23 j 11:16	6°  358'12"	27°15'34"
max. Earth dist.	-12846 Dec 19 j 07:27	27°  318'51"	1.33279 AU	desc. node	-12845 Nov 06 j 18:48	24°  336'01"	
	-12846 Dec 20 j 13:30	0° 			-12845 Nov 10 j 10:01	0° 	
superior conj	-12846 Dec 21 j 03:58	1°  017'55"	-1°09'15"	morning set	-12845 Nov 27 j 11:04	29°  3040'44"	
minimum elong	-12846 Dec 21 j 05:57	1°  028'36"	1°09'00"		-12845 Nov 27 j 15:00	0° 	
evening rise	-12846 Dec 28 j 05:32	16°  028'37"		max. Earth dist.	-12845 Dec 02 j 09:04	9°  334'55"	1.34088 AU
asc. node	-12846 Dec 29 j 11:31	19°  04'53"		superior conj	-12845 Dec 05 j 10:49	16°  300'53"	-1°23'16"
	-12845 Jan 04 j 00:42	0° 		minimum elong	-12845 Dec 05 j 12:37	16°  300'24"	1°22'54"
evening max el	-12845 Jan 21 j 12:29	24°  347'07"	23°52'16"		-12845 Dec 12 j 00:48	0° 	
	-12845 Jan 28 j 21:06	0° 		evening rise	-12845 Dec 12 j 16:25	1°  321'49"	
retrograde	-12845 Feb 04 j 01:44	1°  326'29"		asc. node	-12845 Dec 16 j 08:58	8°  353'04"	
evening set	-12845 Feb 08 j 03:42	0°  349'42"			-12845 Dec 29 j 03:53	0° 	
	-12845 Feb 10 j 10:05	30°  3838"		evening max el	-12844 Jan 03 j 07:09	5°  341'26"	22°18'10"
min. Earth dist.	-12845 Feb 15 j 01:46	27°  330'59"	0.56213 AU	retrograde	-12844 Jan 15 j 20:35	11°  341'18"	
desc. node	-12845 Feb 16 j 00:27	26°  356'22"		evening set	-12844 Jan 19 j 02:31	11°  318'03"	
inferior conj	-12845 Feb 17 j 01:51	26°  317'16"	-0°15'57"	min. Earth dist.	-12844 Jan 27 j 16:31	7°  326'26"	0.55512 AU
minimum elong	-12845 Feb 17 j 01:11	26°  318'17"	0°16'26"	inferior conj	-12844 Jan 28 j 03:57	7°  310'02"	1°26'21"
morning rise	-12845 Feb 26 j 01:10	22°  310'52"		minimum elong	-12844 Jan 28 j 07:30	7°  304'56"	1°24'45"
direct	-12845 Feb 28 j 04:39	21°  3158'50"		desc. node	-12844 Feb 02 j 21:10	4°  312'24"	
morning max el	-12845 Mar 10 j 08:12	26°  347'39"	19°54'41"	morning rise	-12844 Feb 06 j 13:14	3°  305'26"	
	-12845 Mar 13 j 07:25	0°		direct	-12844 Feb 08 j 23:08	2° 352'00"	
asc. node	-12845 Mar 27 j 09:23	23° 344'10"		morning max el	-12844 Feb 20 j 18:07	8° 331'03"	21°10'09"

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12844 Mar 06 j 10:37	0°♊		morning set	-12843 Feb 23 j 21:02	24°♎50'34	
morning set	-12844 Mar 11 j 10:09	9°♊53'57			-12843 Feb 26 j 07:49	0°♊	
asc. node	-12844 Mar 13 j 06:30	13°♊43'16		asc. node	-12843 Feb 28 j 03:42	3°♊53'25	
superior conj	-12844 Mar 18 j 23:10	25°♊33'41	0°50'18	superior conj	-12843 Mar 03 j 02:04	10°♊07'26	0°26'59
minimum elong	-12844 Mar 18 j 21:02	25°♊22'45	0°49'07	minimum elong	-12843 Mar 03 j 00:56	10°♊01'26	0°25'58
	-12844 Mar 21 j 03:18	0°♊		max. Earth dist.	-12843 Mar 05 j 19:53	15°♊52'28	1.34174 AU
max. Earth dist.	-12844 Mar 22 j 22:52	3°♊38'45	1.35319 AU	evening rise	-12843 Mar 11 j 00:16	26°♊20'44	
evening rise	-12844 Mar 27 j 12:30	12°♊31'14			-12843 Mar 12 j 21:34	0°♊	
	-12844 Apr 06 j 08:07	0°♋			-12843 Mar 30 j 16:46	0°♋	
	-12844 Apr 27 j 05:39	0°♋		evening max el	-12843 Apr 14 j 08:00	18°♋10'10	27°18'40
desc. node	-12844 Apr 30 j 20:45	3°♋59'45		desc. node	-12843 Apr 17 j 18:05	21°♋14'03	
evening max el	-12844 May 01 j 21:18	5°♋01'40	26°41'15	retrograde	-12843 Apr 27 j 21:07	25°♋45'53	
retrograde	-12844 May 14 j 21:17	12°♋29'27		evening set	-12843 May 04 j 18:11	23°♋04'05	
evening set	-12844 May 21 j 11:40	9°♋42'49		min. Earth dist.	-12843 May 08 j 11:31	19°♋31'01	0.64235 AU
min. Earth dist.	-12844 May 25 j 10:10	5°♋34'45	0.65567 AU	inferior conj	-12843 May 10 j 19:18	16°♋55'58	-3°19'10
inferior conj	-12844 May 27 j 03:20	3°♋29'41	-3°04'43	minimum elong	-12843 May 10 j 20:12	16°♋53'29	3°19'41
minimum elong	-12844 May 27 j 05:09	3°♋24'12	3°04'49	morning rise	-12843 May 16 j 22:54	11°♋29'00	
	-12844 May 30 j 05:04	30°♌		direct	-12843 May 19 j 20:39	10°♌44'27	
morning rise	-12844 Jun 01 j 22:53	27°♌46'40		morning max el	-12843 May 26 j 08:32	14°♌12'46	18°15'18
direct	-12844 Jun 05 j 02:41	26°♌50'20		asc. node	-12843 May 27 j 03:43	15°♌02'59	
asc. node	-12844 Jun 09 j 06:58	28°♌22'15			-12843 Jun 06 j 11:05	0°♌	
	-12844 Jun 11 j 06:01	0°♌		morning set	-12843 Jun 13 j 18:55	12°♌19'04	
morning max el	-12844 Jun 11 j 20:18	0°♌35'12	18°45'41		-12843 Jun 24 j 09:56	0°♍	
	-12844 Jul 01 j 16:42	0°♍					
morning set	-12844 Jul 02 j 18:15	1°♍43'21		superior conj	-12843 Jun 27 j 11:45	4°♍59'48	1°27'35
superior conj	-12844 Jul 18 j 05:20	26°♍26'43	0°53'31	minimum elong	-12843 Jun 27 j 17:47	5°♍24'10	1°27'12
minimum elong	-12844 Jul 18 j 11:09	26°♍49'42	0°53'16	max. Earth dist.	-12843 Jul 01 j 14:24	11°♍35'44	1.44122 AU
max. Earth dist.	-12844 Jul 18 j 23:04	27°♍36'56	1.44569 AU		-12843 Jul 13 j 06:56	0°♎	
	-12844 Jul 20 j 11:14	0°♎		evening rise	-12843 Jul 14 j 00:45	1°♎09'23	
desc. node	-12844 Jul 27 j 16:53	11°♎27'14		desc. node	-12843 Jul 14 j 14:24	2°♎02'29	
evening rise	-12844 Aug 03 j 11:23	22°♎13'08		greatest brilliancy	-12843 Jul 26 j 10:03	20°♎11'48	-0.7m
	-12844 Aug 08 j 08:35	0°♏			-12843 Aug 02 j 04:11	0°♏	
evening max el	-12844 Aug 25 j 07:47	24°♏24'26	19°02'14	evening max el	-12843 Aug 08 j 14:43	7°♏54'27	19°53'35
retrograde	-12844 Sep 01 j 05:41	28°♏19'11		retrograde	-12843 Aug 16 j 02:09	12°♏13'35	
evening set	-12844 Sep 04 j 08:45	27°♏23'06		evening set	-12843 Aug 19 j 14:54	11°♏01'19	
asc. node	-12844 Sep 05 j 08:11	26°♏43'14		asc. node	-12843 Aug 23 j 05:07	7°♏30'51	
inferior conj	-12844 Sep 10 j 04:06	21°♏34'41	1°28'11	inferior conj	-12843 Aug 25 j 03:37	5°♏02'24	0°36'03
minimum elong	-12844 Sep 10 j 02:04	21°♏40'58	1°28'17	minimum elong	-12843 Aug 25 j 02:48	5°♏05'06	0°36'30
min. Earth dist.	-12844 Sep 11 j 16:01	19°♏43'27	0.65424 AU	min. Earth dist.	-12843 Aug 26 j 04:02	3°♏42'14	0.66312 AU
morning rise	-12844 Sep 15 j 18:54	15°♏19'40			-12843 Aug 29 j 05:56	30°♐	
direct	-12844 Sep 22 j 02:33	12°♏41'03		morning rise	-12843 Aug 30 j 14:25	28°♐42'01	
morning max el	-12844 Oct 04 j 21:49	20°♏05'33	26°28'55	direct	-12843 Sep 05 j 08:38	26°♐15'04	
	-12844 Oct 13 j 12:52	0°♑			-12843 Sep 13 j 15:45	0°♑	
desc. node	-12844 Oct 23 j 15:33	14°♑10'12		morning max el	-12843 Sep 17 j 07:53	3°♑20'21	25°21'12
	-12844 Nov 02 j 11:00	0°♒			-12843 Oct 07 j 19:21	0°♑	
morning set	-12844 Nov 09 j 17:31	13°♒04'14		desc. node	-12843 Oct 10 j 12:23	4°♑09'52	
max. Earth dist.	-12844 Nov 14 j 00:30	21°♒20'25	1.35318 AU	morning set	-12843 Oct 23 j 07:33	25°♑34'56	
	-12844 Nov 18 j 07:36	0°♓			-12843 Oct 25 j 17:55	0°♒	
				max. Earth dist.	-12843 Oct 27 j 05:30	2°♒45'06	1.36951 AU
superior conj	-12844 Nov 18 j 12:01	0°♓22'38	-1°32'45	superior conj	-12843 Nov 02 j 04:39	14°♒14'30	-1°36'22
minimum elong	-12844 Nov 18 j 13:08	0°♓28'27	1°32'18	minimum elong	-12843 Nov 02 j 04:35	14°♒14'09	1°35'46
evening rise	-12844 Nov 26 j 01:18	16°♓04'08		evening rise	-12843 Nov 10 j 06:18	0°♓29'59	
asc. node	-12844 Dec 02 j 06:25	28°♓19'15			-12843 Nov 10 j 00:21	0°♓	
	-12844 Dec 03 j 04:31	0°♔		asc. node	-12843 Nov 19 j 03:50	17°♓15'27	
evening max el	-12844 Dec 15 j 08:26	16°♔56'54	20°51'38	evening max el	-12843 Nov 27 j 19:44	28°♓45'55	19°40'49
retrograde	-12844 Dec 26 j 11:28	22°♔10'22			-12843 Nov 29 j 05:32	0°♔	
evening set	-12844 Dec 29 j 05:52	21°♔52'15		retrograde	-12843 Dec 07 j 09:26	3°♔16'41	
inferior conj	-12843 Jan 07 j 01:44	17°♔52'59	2°58'49	evening set	-12843 Dec 09 j 22:58	2°♔58'45	
minimum elong	-12843 Jan 07 j 07:31	17°♔44'31	2°57'10		-12843 Dec 16 j 13:13	30°♕	
min. Earth dist.	-12843 Jan 08 j 06:09	17°♔11'30	0.55669 AU	inferior conj	-12843 Dec 18 j 08:14	28°♕52'14	3°57'45
morning rise	-12843 Jan 16 j 07:58	13°♔34'25		minimum elong	-12843 Dec 18 j 12:07	28°♕46'00	3°57'17
direct	-12843 Jan 19 j 14:24	13°♔10'54		min. Earth dist.	-12843 Dec 20 j 19:31	27°♕17'30	0.56631 AU
desc. node	-12843 Jan 19 j 17:50	13°♔10'56		morning rise	-12843 Dec 26 j 23:10	24°♕10'57	
morning max el	-12843 Feb 01 j 17:06	19°♔36'24	22°40'41	direct	-12843 Dec 31 j 13:24	23°♕23'23	
	-12843 Feb 10 j 05:29	0°♕		desc. node	-12842 Jan 06 j 14:26	24°♕46'55	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12842 Jan 14 j 00:34	0°♎		minimum elong	-12842 Nov 29 j 07:47	10°♐22'26	4°17'34
morning max el	-12842 Jan 14 j 08:49	0°♎19'28	24°17'21	min. Earth dist.	-12842 Dec 02 j 10:11	8°♐06'41	0.58167 AU
	-12842 Feb 03 j 12:06	0°♎		morning rise	-12842 Dec 07 j 02:49	5°♐18'24	
morning set	-12842 Feb 08 j 09:27	9°♎54'27		direct	-12842 Dec 12 j 23:36	3°♐55'33	
				desc. node	-12842 Dec 24 j 10:59	8°♐51'54	
superior conj	-12842 Feb 15 j 09:54	24°♎58'16	0°03'30	morning max el	-12842 Dec 26 j 23:53	11°♐06'46	25°46'37
minimum elong	-12842 Feb 15 j 09:47	24°♎57'39	0°02'47		-12841 Jan 10 j 13:03	0°♎	
behind sun begin	-12842 Feb 15 j 04:43	24°♎30'19		morning set	-12841 Jan 23 j 21:35	24°♎58'39	
behind sun end	-12842 Feb 15 j 14:51	25°♎24'57			-12841 Jan 26 j 06:19	0°♎	
asc. node	-12842 Feb 15 j 00:57	24°♎10'03					
max. Earth dist.	-12842 Feb 17 j 01:42	28°♎32'07	1.33384 AU	superior conj	-12841 Jan 30 j 20:36	9°♎58'53	-0°19'16
	-12842 Feb 17 j 18:11	0°♎		minimum elong	-12841 Jan 30 j 21:23	10°♎03'10	0°19'39
evening rise	-12842 Feb 22 j 21:40	10°♎41'16		max. Earth dist.	-12841 Jan 31 j 13:13	11°♎29'23	1.32923 AU
	-12842 Mar 05 j 05:30	0°♎		asc. node	-12841 Feb 01 j 22:16	14°♎28'48	
	-12842 Mar 26 j 18:23	0°♎		evening rise	-12841 Feb 07 j 01:40	25°♎22'14	
evening max el	-12842 Mar 27 j 17:17	0°♎56'48	27°26'37		-12841 Feb 09 j 08:29	0°♎	
desc. node	-12842 Apr 04 j 15:19	6°♎56'06			-12841 Feb 26 j 22:45	0°♎	
retrograde	-12842 Apr 10 j 14:38	8°♎31'42		evening max el	-12841 Mar 09 j 22:46	13°♎11'06	27°01'51
evening set	-12842 Apr 17 j 11:24	6°♎07'54		desc. node	-12841 Mar 22 j 12:25	20°♎33'39	
min. Earth dist.	-12842 Apr 21 j 04:09	3°♎01'12	0.62546 AU	retrograde	-12841 Mar 24 j 00:28	20°♎39'37	
inferior conj	-12842 Apr 24 j 01:26	0°♎08'57	-3°19'47	evening set	-12841 Mar 30 j 12:08	18°♎44'52	
minimum elong	-12842 Apr 24 j 00:53	0°♎10'20	3°20'29	min. Earth dist.	-12841 Apr 03 j 11:51	15°♎52'08	0.60618 AU
	-12842 Apr 24 j 05:01	30°♎		inferior conj	-12841 Apr 06 j 18:19	13°♎01'13	-3°01'49
morning rise	-12842 Apr 30 j 15:44	24°♎59'53		minimum elong	-12841 Apr 06 j 16:05	13°♎06'09	3°02'22
direct	-12842 May 03 j 08:28	24°♎25'27		morning rise	-12841 Apr 13 j 22:16	8°♎11'38	
morning max el	-12842 May 09 j 22:22	27°♎47'51	18°02'56	direct	-12841 Apr 16 j 10:30	7°♎45'54	
	-12842 May 11 j 22:27	0°♎		morning max el	-12841 Apr 23 j 11:15	11°♎14'15	18°09'15
asc. node	-12842 May 14 j 00:28	2°♎43'27		asc. node	-12841 Apr 30 j 21:16	21°♎10'28	
morning set	-12842 May 26 j 19:23	24°♎02'27			-12841 May 05 j 23:09	0°♎	
	-12842 May 30 j 04:29	0°♎		morning set	-12841 May 09 j 15:10	6°♎43'47	
superior conj	-12842 Jun 07 j 16:42	14°♎38'52	1°45'34	superior conj	-12841 May 20 j 00:32	25°♎38'06	1°48'16
minimum elong	-12842 Jun 07 j 19:16	14°♎49'39	1°45'15	minimum elong	-12841 May 19 j 23:41	25°♎34'16	1°47'47
max. Earth dist.	-12842 Jun 14 j 02:08	25°♎13'27	1.43045 AU		-12841 May 22 j 12:19	0°♎	
	-12842 Jun 17 j 01:07	0°♎		max. Earth dist.	-12841 May 27 j 08:48	8°♎17'12	1.41479 AU
evening rise	-12842 Jun 23 j 00:45	9°♎28'10		evening rise	-12841 Jun 02 j 10:25	18°♎15'24	
desc. node	-12842 Jul 01 j 11:58	22°♎29'16			-12841 Jun 09 j 21:37	0°♎	
	-12842 Jul 06 j 12:32	0°♎		desc. node	-12841 Jun 18 j 09:35	12°♎43'10	
evening max el	-12842 Jul 22 j 15:09	21°♎20'44	20°59'05		-12841 Jul 01 j 03:33	0°♎	
retrograde	-12842 Jul 30 j 22:36	26°♎13'12		evening max el	-12841 Jul 05 j 08:39	4°♎42'50	22°15'29
evening set	-12842 Aug 03 j 23:10	24°♎41'36		retrograde	-12841 Jul 14 j 17:33	10°♎15'55	
inferior conj	-12842 Aug 09 j 07:15	18°♎34'54	-0°14'28	evening set	-12841 Jul 19 j 07:37	8°♎23'04	
minimum elong	-12842 Aug 09 j 07:33	18°♎33'54	0°13'43	inferior conj	-12841 Jul 24 j 13:07	2°♎10'57	-1°01'46
transit middle	-12842 Aug 09 j 07:33	18°♎33'54	0°13'43	minimum elong	-12841 Jul 24 j 14:20	2°♎06'45	1°00'53
transit begin	-12842 Aug 09 j 06:03	18°♎38'59		min. Earth dist.	-12841 Jul 24 j 16:01	2°♎00'55	0.67214 AU
transit end	-12842 Aug 09 j 09:02	18°♎28'50			-12841 Jul 26 j 03:29	30°♎	
min. Earth dist.	-12842 Aug 09 j 20:49	17°♎48'42	0.66912 AU	asc. node	-12841 Jul 27 j 22:43	27°♎45'58	
asc. node	-12842 Aug 10 j 01:58	17°♎31'13		morning rise	-12841 Jul 29 j 20:57	25°♎51'58	
morning rise	-12842 Aug 14 j 15:45	12°♎13'18		direct	-12841 Aug 03 j 11:34	23°♎59'21	
direct	-12842 Aug 19 j 19:53	10°♎02'36		morning max el	-12841 Aug 13 j 05:42	29°♎51'37	22°37'15
morning max el	-12842 Aug 30 j 17:44	16°♎35'28	24°01'03		-12841 Aug 13 j 08:58	0°♎	
	-12842 Sep 10 j 19:45	0°♎			-12841 Sep 04 j 16:19	0°♎	
desc. node	-12842 Sep 27 j 09:17	24°♎26'51		desc. node	-12841 Sep 14 j 06:20	14°♎56'02	
	-12842 Sep 30 j 19:48	0°♎		morning set	-12841 Sep 15 j 14:11	17°♎04'43	
morning set	-12842 Oct 04 j 23:45	6°♎57'40		max. Earth dist.	-12841 Sep 21 j 05:24	26°♎24'49	1.40842 AU
max. Earth dist.	-12842 Oct 09 j 04:44	14°♎16'15	1.38871 AU		-12841 Sep 23 j 07:52	0°♎	
superior conj	-12842 Oct 16 j 08:50	27°♎24'18	-1°32'17	superior conj	-12841 Sep 28 j 19:41	9°♎39'06	-1°18'25
minimum elong	-12842 Oct 16 j 07:07	27°♎16'11	1°31'27	minimum elong	-12841 Sep 28 j 16:19	9°♎23'59	1°17'17
	-12842 Oct 17 j 17:37	0°♎		evening rise	-12841 Oct 08 j 18:50	28°♎04'20	
evening rise	-12842 Oct 25 j 05:05	14°♎32'11			-12841 Oct 09 j 19:29	0°♎	
	-12842 Nov 02 j 12:36	0°♎		asc. node	-12841 Oct 23 j 22:28	22°♎53'32	
asc. node	-12842 Nov 06 j 01:11	5°♎30'58		evening max el	-12841 Oct 24 j 22:39	23°♎56'36	18°18'07
evening max el	-12842 Nov 10 j 17:04	11°♎07'33	18°49'20	retrograde	-12841 Nov 01 j 07:00	27°♎37'43	
retrograde	-12842 Nov 18 j 23:19	15°♎07'12		evening set	-12841 Nov 03 j 18:02	27°♎13'55	
evening set	-12842 Nov 21 j 10:51	14°♎47'03		inferior conj	-12841 Nov 11 j 02:21	22°♎27'50	4°05'15
inferior conj	-12842 Nov 29 j 07:43	10°♎22'33	4°17'17	minimum elong	-12841 Nov 10 j 23:35	22°♎33'41	4°05'27

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12841 Nov 14 j 05:45	19° Ω 48'57	0.59973 AU	min. Earth dist.	-12840 Oct 26 j 09:49	2° Ω 20'54	0.61780 AU
morning rise	-12841 Nov 18 j 03:35	17° Ω 02'43			-12840 Oct 29 j 03:41	30° \mathbb{R} \mathfrak{E}	
direct	-12841 Nov 24 j 20:22	15° Ω 03'52		morning rise	-12840 Oct 30 j 01:41	29° \mathfrak{E} 20'07	
morning max el	-12841 Dec 08 j 20:09	22° Ω 23'59	26°53'50	direct	-12840 Nov 06 j 02:29	26° \mathfrak{E} 53'49	
desc. node	-12841 Dec 11 j 07:30	24° Ω 54'52			-12840 Nov 14 j 16:24	0° Ω	
	-12841 Dec 15 j 15:48	0° \mathbb{M}		morning max el	-12840 Nov 19 j 23:03	4° Ω 21'25	27°29'09
	-12840 Jan 03 j 08:52	0° $\underline{\Omega}$		desc. node	-12840 Nov 27 j 04:03	12° Ω 24'47	
morning set	-12840 Jan 08 j 07:39	9° $\underline{\Omega}$ 56'15			-12840 Dec 09 j 05:32	0° \mathbb{M}	
				morning set	-12840 Dec 22 j 13:37	24° \mathbb{M} 40'11	
superior conj	-12840 Jan 15 j 08:26	25° $\underline{\Omega}$ 02'44	-0°40'32		-12840 Dec 25 j 03:13	0° $\underline{\Omega}$	
minimum elong	-12840 Jan 15 j 09:55	25° $\underline{\Omega}$ 10'51	0°40'37	max. Earth dist.	-12840 Dec 28 j 14:23	7° $\underline{\Omega}$ 24'36	1.32985 AU
max. Earth dist.	-12840 Jan 15 j 02:42	24° $\underline{\Omega}$ 31'23	1.32784 AU				
	-12840 Jan 17 j 14:54	0° \mathbb{M}		superior conj	-12840 Dec 29 j 19:48	10° $\underline{\Omega}$ 04'08	-0°59'35
asc. node	-12840 Jan 19 j 19:38	4° \mathbb{M} 45'14		minimum elong	-12840 Dec 29 j 21:42	10° $\underline{\Omega}$ 14'28	0°59'26
evening rise	-12840 Jan 22 j 09:54	10° \mathbb{M} 15'06		evening rise	-12839 Jan 05 j 20:30	25° $\underline{\Omega}$ 13'14	
	-12840 Feb 01 j 17:09	0° \mathbb{M}		asc. node	-12839 Jan 05 j 17:02	24° $\underline{\Omega}$ 55'02	
evening max el	-12840 Feb 19 j 22:34	24° \mathbb{M} 47'22	26°05'38		-12839 Jan 08 j 03:58	0° \mathbb{M}	
	-12840 Feb 26 j 18:27	0° \mathfrak{E}			-12839 Jan 26 j 08:09	0° \mathbb{M}	
retrograde	-12840 Mar 05 j 01:04	2° \mathfrak{E} 04'53		evening max el	-12839 Jan 31 j 17:21	5° \mathbb{M} 52'30	24°45'07
desc. node	-12840 Mar 08 j 09:24	1° \mathfrak{E} 36'58		retrograde	-12839 Feb 14 j 14:43	12° \mathbb{M} 50'18	
evening set	-12840 Mar 10 j 18:17	0° \mathfrak{E} 44'11		evening set	-12839 Feb 19 j 07:00	12° \mathbb{M} 00'23	
	-12840 Mar 12 j 04:47	30° \mathbb{R} \mathfrak{M}		desc. node	-12839 Feb 23 j 06:14	10° \mathbb{M} 08'33	
min. Earth dist.	-12840 Mar 15 j 11:54	27° \mathbb{M} 51'15	0.58655 AU	min. Earth dist.	-12839 Feb 25 j 06:59	8° \mathbb{M} 54'11	0.56946 AU
inferior conj	-12840 Mar 18 j 18:17	25° \mathbb{M} 23'32	-2°19'33	inferior conj	-12839 Feb 27 j 22:48	7° \mathbb{M} 09'25	-1°08'48
minimum elong	-12840 Mar 18 j 14:57	25° \mathbb{M} 29'52	2°19'40	minimum elong	-12839 Feb 27 j 20:22	7° \mathbb{M} 13'26	1°08'51
morning rise	-12840 Mar 26 j 14:43	20° \mathbb{M} 53'51		morning rise	-12839 Mar 08 j 12:56	2° \mathbb{M} 56'47	
direct	-12840 Mar 28 j 22:23	20° \mathbb{M} 35'25		direct	-12839 Mar 10 j 16:41	2° \mathbb{M} 43'29	
morning max el	-12840 Apr 05 j 20:19	24° \mathbb{M} 23'26	18°34'46	morning max el	-12839 Mar 19 j 22:34	7° \mathbb{M} 06'24	19°19'53
	-12840 Apr 10 j 12:41	0° \mathfrak{E}		asc. node	-12839 Apr 03 j 15:09	29° \mathbb{M} 42'54	
asc. node	-12840 Apr 16 j 18:08	10° \mathfrak{E} 12'58			-12839 Apr 03 j 18:40	0° \mathfrak{E}	
morning set	-12840 Apr 22 j 01:31	20° \mathfrak{E} 11'02		morning set	-12839 Apr 05 j 22:29	4° \mathfrak{E} 14'36	
	-12840 Apr 27 j 04:12	0° \approx					
superior conj	-12840 May 01 j 07:34	7° \approx 48'05	1°39'40	superior conj	-12839 Apr 14 j 08:25	20° \mathfrak{E} 54'33	1°23'39
minimum elong	-12840 May 01 j 04:54	7° \approx 35'38	1°38'50	minimum elong	-12839 Apr 14 j 05:20	20° \mathfrak{E} 39'36	1°22'32
max. Earth dist.	-12840 May 08 j 10:17	20° \approx 38'04	1.39644 AU	max. Earth dist.	-12839 Apr 19 j 02:57	0° \approx	
evening rise	-12840 May 12 j 21:07	28° \approx 16'27		evening rise	-12839 Apr 20 j 10:26	2° \approx 25'47	1.37793 AU
	-12840 May 13 j 21:50	0° \mathfrak{H}			-12839 Apr 24 j 10:54	9° \approx 40'28	
	-12840 Jun 02 j 09:51	0° \mathbb{Y}			-12839 May 06 j 16:49	0° \mathfrak{H}	
desc. node	-12840 Jun 04 j 07:10	2° \mathbb{Y} 37'40		desc. node	-12839 May 22 j 04:41	22° \mathfrak{H} 04'57	
evening max el	-12840 Jun 16 j 20:36	18° \mathbb{Y} 01'40	23°37'41		-12839 May 28 j 22:31	0° \mathbb{Y}	
retrograde	-12840 Jun 27 j 09:46	24° \mathbb{Y} 17'45		evening max el	-12839 May 30 j 06:11	1° \mathbb{Y} 21'30	24°58'22
evening set	-12840 Jul 02 j 14:20	22° \mathbb{Y} 03'46		retrograde	-12839 Jun 10 j 22:20	8° \mathbb{Y} 14'47	
inferior conj	-12840 Jul 07 j 19:25	15° \mathbb{Y} 48'31	-1°44'34	evening set	-12839 Jun 16 j 17:20	5° \mathbb{Y} 42'48	
minimum elong	-12840 Jul 07 j 21:16	15° \mathbb{Y} 42'07	1°43'45	min. Earth dist.	-12839 Jun 21 j 04:30	0° \mathbb{Y} 32'56	0.66857 AU
min. Earth dist.	-12840 Jul 07 j 11:20	16° \mathbb{Y} 16'15	0.67203 AU		-12839 Jun 21 j 14:23	30° \mathbb{R} \mathfrak{H}	
morning rise	-12840 Jul 13 j 04:11	9° \mathbb{Y} 35'35		inferior conj	-12839 Jun 22 j 00:24	29° \mathfrak{H} 26'33	-2°21'38
asc. node	-12840 Jul 13 j 19:25	9° \mathbb{Y} 08'16		minimum elong	-12839 Jun 22 j 02:34	29° \mathfrak{H} 19'16	2°21'04
direct	-12840 Jul 17 j 06:41	8° \mathbb{Y} 00'48		morning rise	-12839 Jun 27 j 11:49	23° \mathfrak{H} 22'50	
morning max el	-12840 Jul 25 j 22:20	13° \mathbb{Y} 10'50	21°17'24	asc. node	-12839 Jun 30 j 16:09	22° \mathfrak{H} 05'48	
	-12840 Aug 07 j 22:36	0° \mathfrak{B}		direct	-12839 Jul 01 j 04:04	22° \mathfrak{H} 04'25	
morning set	-12840 Aug 25 j 04:47	26° \mathfrak{B} 05'00		morning max el	-12839 Jul 08 j 21:08	26° \mathfrak{H} 35'36	20°07'15
	-12840 Aug 27 j 16:21	0° \mathbb{I}			-12839 Jul 11 j 20:59	0° \mathbb{Y}	
desc. node	-12840 Aug 31 j 03:32	5° \mathbb{I} 32'54			-12839 Aug 01 j 09:16	0° \mathfrak{B}	
max. Earth dist.	-12840 Sep 02 j 11:18	9° \mathbb{I} 19'23	1.42579 AU	morning set	-12839 Aug 04 j 08:12	4° \mathfrak{B} 35'15	
				max. Earth dist.	-12839 Aug 15 j 22:39	22° \mathfrak{B} 52'09	1.43853 AU
superior conj	-12840 Sep 09 j 07:27	20° \mathbb{I} 43'46	-0°52'52	desc. node	-12839 Aug 18 j 00:50	26° \mathfrak{B} 13'29	
minimum elong	-12840 Sep 09 j 03:34	20° \mathbb{I} 27'16	0°51'37		-12839 Aug 20 j 08:50	0° \mathbb{I}	
	-12840 Sep 14 j 16:04	0° \mathfrak{E}		superior conj	-12839 Aug 20 j 15:49	0° \mathbb{I} 28'21	-0°15'36
evening rise	-12840 Sep 20 j 19:47	10° \mathfrak{E} 57'13		minimum elong	-12839 Aug 20 j 14:15	0° \mathbb{I} 22'00	0°14'41
	-12840 Oct 01 j 21:38	0° Ω		behind sun begin	-12839 Aug 20 j 09:36	0° \mathbb{I} 03'05	
evening max el	-12840 Oct 07 j 09:48	7° Ω 06'16	18°06'51	behind sun end	-12839 Aug 20 j 18:54	0° \mathbb{I} 40'55	
asc. node	-12840 Oct 09 j 19:39	9° Ω 08'32		evening rise	-12839 Sep 03 j 02:53	22° \mathbb{I} 57'56	
retrograde	-12840 Oct 14 j 05:23	10° Ω 39'32			-12839 Sep 07 j 05:40	0° \mathfrak{E}	
evening set	-12840 Oct 16 j 17:54	10° Ω 10'19		evening max el	-12839 Sep 20 j 23:30	20° \mathfrak{E} 29'05	18°14'30
inferior conj	-12840 Oct 23 j 14:15	5° Ω 03'31	3°32'40	asc. node	-12839 Sep 26 j 16:48	23° \mathfrak{E} 59'25	
minimum elong	-12840 Oct 23 j 10:25	5° Ω 12'47	3°32'33	retrograde	-12839 Sep 27 j 14:15	24° \mathfrak{E} 03'36	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12839 Sep 30 j 06:38	23° ☿ 26'23		minimum elong	-12838 Sep 20 j 01:50	1° ☿ 22'23	1°58'05
inferior conj	-12839 Oct 06 j 16:05	18° ☿ 01'16	2°48'19		-12838 Sep 21 j 05:33	30° ☿ II	
minimum elong	-12839 Oct 06 j 12:28	18° ☿ 11'02	2°48'05	min. Earth dist.	-12838 Sep 21 j 23:33	29° II 07'02	0.64784 AU
min. Earth dist.	-12839 Oct 08 j 23:51	15° ☿ 30'52	0.63417 AU	morning rise	-12838 Sep 25 j 22:33	25° II 04'34	
morning rise	-12839 Oct 12 j 17:24	12° ☿ 02'52		direct	-12838 Oct 02 j 13:13	22° II 22'12	
direct	-12839 Oct 19 j 16:32	9° ☿ 22'07		morning max el	-12838 Oct 15 j 16:42	29° II 51'34	26°58'42
morning max el	-12839 Nov 02 j 06:44	16° ☿ 54'02	27°29'48		-12838 Oct 15 j 20:07	0° ☿	
	-12839 Nov 13 j 08:19	0° ♊		desc. node	-12838 Oct 31 j 21:22	20° ☿ 11'30	
desc. node	-12839 Nov 14 j 00:40	0° ♊ 56'14			-12838 Nov 07 j 05:35	0° ♊	
	-12839 Dec 01 j 21:02	0° ♐		morning set	-12838 Nov 20 j 02:43	22° ♊ 48'14	
morning set	-12839 Dec 06 j 13:01	9° ♐ 00'49			-12838 Nov 23 j 18:29	0° ♐	
max. Earth dist.	-12839 Dec 11 j 20:28	19° ♐ 55'49	1.33565 AU	max. Earth dist.	-12838 Nov 24 j 17:44	1° ♐ 57'26	1.34562 AU
superior conj	-12839 Dec 14 j 04:51	24° ♐ 55'43	-1°15'41	superior conj	-12838 Nov 28 j 09:37	9° ♐ 30'41	-1°27'55
minimum elong	-12839 Dec 14 j 06:49	25° ♐ 06'12	1°15'23	minimum elong	-12838 Nov 28 j 11:12	9° ♐ 38'56	1°27'31
	-12839 Dec 16 j 13:30	0° ♑		evening rise	-12838 Dec 05 j 17:58	24° ♐ 58'35	
evening rise	-12839 Dec 21 j 07:44	10° ♑ 09'33			-12838 Dec 08 j 04:49	0° ♑	
asc. node	-12839 Dec 23 j 14:28	14° ♑ 52'26		asc. node	-12838 Dec 10 j 11:54	4° ♑ 31'42	
	-12839 Dec 31 j 17:11	0° ♒		evening max el	-12838 Dec 26 j 07:43	27° ♑ 45'23	21°39'50
evening max el	-12838 Jan 13 j 10:40	16° ♒ 44'08	23°12'06		-12838 Dec 29 j 00:15	0° ♒	
retrograde	-12838 Jan 26 j 15:50	23° ♒ 08'18		retrograde	-12837 Jan 07 j 07:12	3° ♒ 24'54	
evening set	-12838 Jan 30 j 07:57	22° ♒ 38'50		evening set	-12837 Jan 10 j 07:16	3° ♒ 04'41	
min. Earth dist.	-12838 Feb 06 j 23:12	19° ♒ 07'45	0.55809 AU		-12837 Jan 17 j 15:00	30° ♒ ♑	
inferior conj	-12838 Feb 08 j 08:43	18° ♒ 18'09	0°26'48	inferior conj	-12837 Jan 19 j 07:18	29° ♑ 02'58	2°08'30
minimum elong	-12838 Feb 08 j 09:49	18° ♒ 16'32	0°25'50	minimum elong	-12837 Jan 19 j 12:17	28° ♑ 55'51	2°06'40
desc. node	-12838 Feb 10 j 03:00	17° ♒ 16'23		min. Earth dist.	-12837 Jan 19 j 13:26	28° ♑ 54'14	0.55478 AU
morning rise	-12838 Feb 17 j 13:29	14° ♒ 14'01		desc. node	-12837 Jan 27 j 23:43	25° ♑ 03'37	
direct	-12838 Feb 19 j 18:05	14° ♒ 02'11		morning rise	-12837 Jan 28 j 17:02	24° ♑ 53'54	
morning max el	-12838 Mar 02 j 14:59	19° ♒ 12'40	20°24'37	direct	-12837 Jan 31 j 10:06	24° ♑ 37'23	
	-12838 Mar 11 j 00:35	0° ♓			-12837 Feb 12 j 03:37	0° ♒	
morning set	-12838 Mar 21 j 02:49	18° ♓ 44'44		morning max el	-12837 Feb 12 j 19:51	0° ♒ 37'41	21°47'10
asc. node	-12838 Mar 21 j 12:14	19° ♓ 32'38			-12837 Mar 03 j 18:13	0° ♓	
	-12838 Mar 26 j 14:33	0° ♈		morning set	-12837 Mar 05 j 11:54	3° ♓ 33'31	
				asc. node	-12837 Mar 08 j 09:22	9° ♓ 36'24	
superior conj	-12838 Mar 28 j 22:10	4° ♈ 43'03	1°03'13	superior conj	-12837 Mar 12 j 21:05	19° ♓ 02'20	0°40'29
minimum elong	-12838 Mar 28 j 19:34	4° ♈ 29'52	1°02'00	minimum elong	-12837 Mar 12 j 19:22	18° ♓ 53'22	0°39'21
max. Earth dist.	-12838 Apr 02 j 16:04	14° ♈ 07'14	1.36134 AU	max. Earth dist.	-12837 Mar 16 j 07:30	26° ♓ 06'44	1.34791 AU
evening rise	-12838 Apr 06 j 22:53	22° ♈ 13'50			-12837 Mar 18 j 05:56	0° ♈	
	-12838 Apr 11 j 06:22	0° ♉		evening rise	-12837 Mar 21 j 03:20	5° ♈ 39'27	
	-12838 Apr 30 j 10:27	0° ♉			-12837 Apr 03 j 23:50	0° ♉	
desc. node	-12838 May 09 j 02:08	10° ♉ 54'01		evening max el	-12837 Apr 25 j 03:04	27° ♉ 59'31	27°00'35
evening max el	-12838 May 12 j 16:10	14° ♉ 43'06	26°08'54	desc. node	-12837 Apr 25 j 23:32	28° ♉ 48'51	
retrograde	-12838 May 25 j 06:25	22° ♉ 01'45			-12837 Apr 27 j 06:44	0° ♉	
evening set	-12838 May 31 j 14:28	19° ♉ 18'04		retrograde	-12837 May 08 j 09:13	5° ♉ 31'11	
min. Earth dist.	-12838 Jun 04 j 17:12	14° ♉ 47'29	0.66146 AU	evening set	-12837 May 15 j 03:07	2° ♉ 45'24	
inferior conj	-12838 Jun 06 j 02:09	13° ♉ 03'08	-2°51'32		-12837 May 17 j 23:15	30° ♉ ♊	
minimum elong	-12838 Jun 06 j 04:14	12° ♉ 56'32	2°51'21	min. Earth dist.	-12837 May 18 j 23:10	28° ♉ 52'47	0.65044 AU
morning rise	-12838 Jun 11 j 18:06	7° ♉ 11'33		inferior conj	-12837 May 20 j 22:25	26° ♉ 34'11	-3°12'20
direct	-12838 Jun 15 j 01:58	6° ♉ 07'37		minimum elong	-12837 May 20 j 23:54	26° ♉ 29'49	3°12'38
asc. node	-12838 Jun 17 j 12:54	6° ♉ 40'28		morning rise	-12837 May 26 j 21:03	20° ♉ 57'30	
morning max el	-12838 Jun 22 j 02:13	10° ♉ 06'55	19°10'51	direct	-12837 May 29 j 22:12	20° ♉ 06'14	
	-12838 Jul 06 j 07:15	0° ♊		asc. node	-12837 Jun 04 j 09:37	22° ♉ 39'26	
morning set	-12838 Jul 14 j 20:10	13° ♊ 29'53		morning max el	-12837 Jun 05 j 12:21	23° ♉ 42'40	18°30'38
	-12838 Jul 25 j 06:27	0° ♋			-12837 Jun 10 j 13:59	0° ♋	
max. Earth dist.	-12838 Jul 29 j 14:06	6° ♋ 50'00	1.44510 AU	morning set	-12837 Jun 25 j 06:18	23° ♋ 25'27	
					-12837 Jun 29 j 06:34	0° ♊	
superior conj	-12838 Jul 31 j 00:05	9° ♋ 04'42	0°28'44	superior conj	-12837 Jul 10 j 00:33	17° ♊ 19'26	1°09'44
minimum elong	-12838 Jul 31 j 03:30	9° ♋ 18'15	0°28'52	minimum elong	-12837 Jul 10 j 07:07	17° ♊ 45'34	1°09'21
desc. node	-12838 Aug 04 j 22:13	16° ♋ 54'42		max. Earth dist.	-12837 Jul 12 j 06:52	20° ♊ 55'19	1.44467 AU
	-12838 Aug 13 j 01:17	0° ♌			-12837 Jul 18 j 00:40	0° ♋	
evening rise	-12838 Aug 15 j 10:22	3° ♌ 52'07		desc. node	-12837 Jul 22 j 19:42	7° ♋ 32'58	
	-12838 Sep 01 j 03:56	0° ☿		evening rise	-12837 Jul 26 j 14:19	13° ♋ 29'22	
evening max el	-12838 Sep 04 j 12:48	3° ☿ 58'55	18°39'58		-12837 Aug 06 j 03:52	0° ♌	
retrograde	-12838 Sep 11 j 05:57	7° ☿ 43'20		evening max el	-12837 Aug 18 j 22:46	17° ♌ 29'48	19°22'11
asc. node	-12838 Sep 13 j 13:53	7° ☿ 12'56		retrograde	-12837 Aug 26 j 01:22	21° ♌ 33'20	
evening set	-12838 Sep 14 j 04:32	6° ☿ 55'03					
inferior conj	-12838 Sep 20 j 04:32	1° ☿ 14'23	1°58'10				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12837 Aug 29 j 08:24	20° Π 30'36		asc. node	-12836 Aug 17 j 07:46	29° \mathcal{B} 08'42	
asc. node	-12837 Aug 31 j 10:52	18° Π 47'46		inferior conj	-12836 Aug 18 j 02:13	28° \mathcal{B} 07'18	0°14'20
inferior conj	-12837 Sep 04 j 00:42	14° Π 37'21	1°05'59	minimum elong	-12836 Aug 18 j 01:53	28° \mathcal{B} 08'24	0°14'54
minimum elong	-12837 Sep 03 j 23:11	14° Π 42'10	1°06'13	transit middle	-12836 Aug 18 j 01:53	28° \mathcal{B} 08'24	0°14'54
min. Earth dist.	-12837 Sep 05 j 07:34	12° Π 59'10	0.65848 AU	transit begin	-12836 Aug 18 j 00:45	28° \mathcal{B} 12'13	
morning rise	-12837 Sep 09 j 13:37	8° Π 19'50		transit end	-12836 Aug 18 j 03:02	28° \mathcal{B} 04'36	
direct	-12837 Sep 15 j 15:48	5° Π 45'35		min. Earth dist.	-12836 Aug 18 j 21:51	27° \mathcal{B} 01'37	0.66607 AU
morning max el	-12837 Sep 28 j 03:00	13° Π 02'32	26°02'08	morning rise	-12836 Aug 23 j 11:51	21° \mathcal{B} 45'57	
	-12837 Oct 11 j 23:24	0° \mathcal{E}		direct	-12836 Aug 28 j 23:57	19° \mathcal{B} 25'51	
desc. node	-12837 Oct 18 j 18:07	9° \mathcal{E} 57'20		morning max el	-12836 Sep 09 j 13:02	26° \mathcal{B} 18'32	24°48'05
	-12837 Oct 30 j 21:18	0° \mathcal{O}			-12836 Sep 12 j 23:06	0° Π	
morning set	-12837 Nov 03 j 02:45	5° \mathcal{O} 50'17		desc. node	-12836 Oct 04 j 14:57	0° \mathcal{E} 04'58	
max. Earth dist.	-12837 Nov 07 j 04:37	13° \mathcal{O} 32'04	1.35977 AU		-12836 Oct 04 j 13:41	0° \mathcal{E}	
				morning set	-12836 Oct 15 j 08:09	17° \mathcal{E} 53'35	
superior conj	-12837 Nov 12 j 07:33	23° \mathcal{O} 40'37	-1°35'07	max. Earth dist.	-12836 Oct 19 j 06:48	24° \mathcal{E} 57'12	1.37750 AU
minimum elong	-12837 Nov 12 j 08:14	23° \mathcal{O} 44'05	1°34'36		-12836 Oct 22 j 00:11	0° \mathcal{O}	
	-12837 Nov 15 j 09:49	0° \mathcal{M}					
evening rise	-12837 Nov 20 j 01:26	9° \mathcal{M} 34'29		superior conj	-12836 Oct 25 j 19:24	7° \mathcal{O} 15'44	-1°35'42
asc. node	-12837 Nov 27 j 09:18	23° \mathcal{M} 45'54		minimum elong	-12836 Oct 25 j 18:40	7° \mathcal{O} 12'12	1°35'00
	-12837 Dec 01 j 03:19	0° \mathcal{L}		evening rise	-12836 Nov 03 j 04:07	23° \mathcal{O} 51'07	
evening max el	-12837 Dec 08 j 12:59	9° \mathcal{L} 13'53	20°19'11		-12836 Nov 06 j 07:08	0° \mathcal{M}	
retrograde	-12837 Dec 18 j 23:34	14° \mathcal{L} 08'04		asc. node	-12836 Nov 13 j 06:41	12° \mathcal{M} 26'06	
evening set	-12837 Dec 21 j 15:36	13° \mathcal{L} 50'15		evening max el	-12836 Nov 20 j 04:32	21° \mathcal{M} 16'32	19°16'20
inferior conj	-12837 Dec 30 j 07:17	9° \mathcal{L} 49'25	3°28'45	retrograde	-12836 Nov 29 j 04:03	25° \mathcal{M} 33'01	
minimum elong	-12837 Dec 30 j 12:43	9° \mathcal{L} 41'13	3°27'33	evening set	-12836 Dec 01 j 16:21	25° \mathcal{M} 14'24	
min. Earth dist.	-12836 Jan 01 j 02:25	8° \mathcal{L} 44'33	0.55995 AU	inferior conj	-12836 Dec 09 j 20:24	21° \mathcal{M} 00'48	4°10'39
morning rise	-12836 Jan 08 j 08:13	5° \mathcal{L} 22'06		minimum elong	-12836 Dec 09 j 22:41	20° \mathcal{M} 56'56	4°10'37
direct	-12836 Jan 12 j 03:33	4° \mathcal{L} 50'12		min. Earth dist.	-12836 Dec 12 j 15:57	19° \mathcal{M} 06'44	0.57228 AU
desc. node	-12836 Jan 14 j 20:21	5° \mathcal{L} 06'48		morning rise	-12836 Dec 18 j 02:56	16° \mathcal{M} 09'23	
morning max el	-12836 Jan 25 j 14:55	11° \mathcal{L} 30'05	23°21'52	direct	-12836 Dec 23 j 06:45	15° \mathcal{M} 07'59	
	-12836 Feb 08 j 08:12	0° \mathcal{M}		desc. node	-12836 Dec 31 j 16:55	17° \mathcal{M} 49'12	
morning set	-12836 Feb 17 j 23:40	18° \mathcal{M} 34'14		morning max el	-12835 Jan 06 j 05:42	22° \mathcal{M} 12'00	24°57'18
asc. node	-12836 Feb 23 j 06:33	29° \mathcal{M} 49'45			-12835 Jan 13 j 02:33	0° \mathcal{L}	
	-12836 Feb 23 j 08:28	0° \mathcal{X}			-12835 Jan 30 j 17:57	0° \mathcal{M}	
				morning set	-12835 Feb 01 j 12:10	3° \mathcal{M} 39'11	
superior conj	-12836 Feb 25 j 02:20	3° \mathcal{X} 44'10	0°16'58				
minimum elong	-12836 Feb 25 j 01:38	3° \mathcal{X} 40'27	0°16'04	superior conj	-12835 Feb 08 j 11:36	18° \mathcal{M} 40'00	-0°06'20
max. Earth dist.	-12836 Feb 27 j 08:50	8° \mathcal{X} 33'12	1.33795 AU	minimum elong	-12835 Feb 08 j 11:53	18° \mathcal{M} 41'33	0°06'54
evening rise	-12836 Mar 03 j 19:37	19° \mathcal{X} 43'24		behind sun begin	-12835 Feb 08 j 07:18	18° \mathcal{M} 16'39	
	-12836 Mar 09 j 04:24	0° \mathcal{Z}		behind sun end	-12835 Feb 08 j 16:28	19° \mathcal{M} 06'26	
	-12836 Mar 28 j 02:09	0° \approx		asc. node	-12835 Feb 09 j 03:48	20° \mathcal{M} 07'43	
evening max el	-12836 Apr 06 j 13:29	11° \approx 00'11	27°25'57	max. Earth dist.	-12835 Feb 09 j 17:28	21° \mathcal{M} 21'31	1.33142 AU
desc. node	-12836 Apr 11 j 20:51	15° \approx 27'50			-12835 Feb 13 j 18:58	0° \mathcal{X}	
retrograde	-12836 Apr 20 j 06:14	18° \approx 35'48		evening rise	-12835 Feb 15 j 20:06	4° \mathcal{X} 13'25	
evening set	-12836 Apr 27 j 04:21	15° \approx 59'58			-12835 Mar 01 j 22:42	0° \mathcal{Z}	
min. Earth dist.	-12836 Apr 30 j 20:42	12° \approx 39'42	0.63556 AU	evening max el	-12835 Mar 19 j 21:07	23° \mathcal{Z} 32'52	27°20'04
inferior conj	-12836 May 03 j 10:34	9° \approx 55'30	-3°21'23		-12835 Mar 29 j 20:41	0° \approx	
minimum elong	-12836 May 03 j 10:54	9° \approx 54'37	3°22'01	desc. node	-12835 Mar 29 j 18:02	0° \approx 20'56	
morning rise	-12836 May 09 j 18:21	4° \approx 36'03		retrograde	-12835 Apr 02 j 20:42	1° \approx 06'17	
direct	-12836 May 12 j 14:00	3° \approx 55'52			-12835 Apr 07 j 15:11	30° \mathcal{R} \mathcal{Z}	
morning max el	-12836 May 19 j 01:35	7° \approx 19'55	18°07'54	evening set	-12835 Apr 09 j 14:53	28° \mathcal{Z} 53'19	
asc. node	-12836 May 21 j 06:21	9° \approx 47'19		min. Earth dist.	-12835 Apr 13 j 09:16	25° \mathcal{Z} 54'33	0.61744 AU
	-12836 Jun 03 j 02:37	0° \mathcal{H}		inferior conj	-12835 Apr 16 j 11:26	22° \mathcal{Z} 59'59	-3°14'46
morning set	-12836 Jun 05 j 17:33	4° \mathcal{H} 31'02		minimum elong	-12835 Apr 16 j 10:09	23° \mathcal{Z} 03'00	3°15'28
				morning rise	-12835 Apr 23 j 07:13	17° \mathcal{Z} 59'26	
superior conj	-12836 Jun 18 j 15:13	26° \mathcal{H} 16'35	1°37'16	direct	-12835 Apr 25 j 21:59	17° \mathcal{Z} 28'57	
minimum elong	-12836 Jun 18 j 19:59	26° \mathcal{H} 36'10	1°36'55	morning max el	-12835 May 02 j 15:23	20° \mathcal{Z} 52'11	18°03'23
	-12836 Jun 20 j 21:56	0° \mathcal{Y}		asc. node	-12835 May 08 j 03:07	27° \mathcal{Z} 48'44	
max. Earth dist.	-12836 Jun 23 j 21:33	4° \mathcal{Y} 49'14	1.43736 AU		-12835 May 09 j 13:00	0° \approx	
evening rise	-12836 Jul 04 j 19:37	22° \mathcal{Y} 03'11		morning set	-12835 May 19 j 02:43	16° \approx 39'34	
desc. node	-12836 Jul 08 j 17:15	28° \mathcal{Y} 05'06			-12835 May 26 j 13:59	0° \mathcal{H}	
	-12836 Jul 09 j 23:10	0° \mathcal{B}					
	-12836 Jul 31 j 05:02	0° Π		superior conj	-12835 May 30 j 07:42	6° \mathcal{H} 29'44	1°48'22
evening max el	-12836 Aug 01 j 03:04	0° Π 58'13	20°19'44	minimum elong	-12835 May 30 j 08:39	6° \mathcal{H} 33'48	1°48'02
retrograde	-12836 Aug 08 j 22:08	5° Π 30'28		max. Earth dist.	-12835 Jun 06 j 06:53	18° \mathcal{H} 12'19	1.42419 AU
evening set	-12836 Aug 12 j 15:44	4° Π 10'08		evening rise	-12835 Jun 13 j 20:48	0° \mathcal{Y} 24'57	
	-12836 Aug 16 j 16:00	30° \mathcal{R} \mathcal{B}			-12835 Jun 13 j 14:29	0° \mathcal{Y}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12835 Jun 25 j 14:50	18° Υ 26'53		desc. node	-12834 Jun 12 j 12:27	8° Υ 33'05	
	-12835 Jul 03 j 13:52	0° \mathcal{B}		evening max el	-12834 Jun 27 j 15:10	27° Υ 42'02	22°50'18
evening max el	-12835 Jul 15 j 00:21	14° \mathcal{B} 22'02	21°30'30		-12834 Jun 30 j 02:10	0° \mathcal{B}	
retrograde	-12835 Jul 23 j 18:17	19° \mathcal{B} 31'47		retrograde	-12834 Jul 07 j 12:13	3° \mathcal{B} 33'56	
evening set	-12835 Jul 28 j 00:21	17° \mathcal{B} 51'19		evening set	-12834 Jul 12 j 08:16	1° \mathcal{B} 32'12	
inferior conj	-12835 Aug 02 j 07:03	11° \mathcal{B} 41'47	-0°34'59		-12834 Jul 13 j 21:52	30° $\mathcal{R}\Upsilon$	
minimum elong	-12835 Aug 02 j 07:45	11° \mathcal{B} 39'20	0°34'10	inferior conj	-12834 Jul 17 j 13:18	25° Υ 18'31	-1°20'34
min. Earth dist.	-12835 Aug 02 j 16:03	11° \mathcal{B} 10'46	0.67068 AU	minimum elong	-12834 Jul 17 j 14:50	25° Υ 13'14	1°19'41
asc. node	-12835 Aug 04 j 04:35	9° \mathcal{B} 07'40		min. Earth dist.	-12834 Jul 17 j 11:42	25° Υ 24'06	0.67238 AU
morning rise	-12835 Aug 07 j 15:02	5° \mathcal{B} 20'38		asc. node	-12834 Jul 22 j 01:19	19° Υ 45'30	
direct	-12835 Aug 12 j 13:11	3° \mathcal{B} 17'37		morning rise	-12834 Jul 22 j 21:18	19° Υ 01'27	
morning max el	-12835 Aug 22 j 23:38	9° \mathcal{B} 34'40	23°25'26	direct	-12834 Jul 27 j 06:35	17° Υ 16'21	
	-12835 Sep 08 j 00:16	0° Π		morning max el	-12834 Aug 05 j 13:09	22° Υ 50'55	22°02'26
desc. node	-12835 Sep 21 j 11:54	20° Π 28'01			-12834 Aug 11 j 15:30	0° \mathcal{B}	
morning set	-12835 Sep 26 j 13:52	28° Π 45'49			-12834 Sep 01 j 09:43	0° Π	
	-12835 Sep 27 j 07:37	0° \mathcal{E}		morning set	-12834 Sep 06 j 17:20	8° Π 21'41	
max. Earth dist.	-12835 Oct 01 j 05:44	6° \mathcal{E} 41'24	1.39713 AU	desc. node	-12834 Sep 08 j 09:00	11° Π 00'48	
				max. Earth dist.	-12834 Sep 13 j 07:52	19° Π 07'34	1.41617 AU
superior conj	-12835 Oct 08 j 16:57	20° \mathcal{E} 04'31	-1°27'44		-12834 Sep 19 j 17:11	0° \mathcal{E}	
minimum elong	-12835 Oct 08 j 14:29	19° \mathcal{E} 53'07	1°26'47				
	-12835 Oct 13 j 23:22	0° \mathcal{Q}		superior conj	-12834 Sep 20 j 18:44	1° \mathcal{E} 51'35	-1°09'06
evening rise	-12835 Oct 17 j 23:32	7° \mathcal{Q} 42'16		minimum elong	-12834 Sep 20 j 14:54	1° \mathcal{E} 34'49	1°07'53
	-12835 Oct 30 j 21:27	0° \mathcal{M}		evening rise	-12834 Oct 01 j 08:22	20° \mathcal{E} 58'50	
asc. node	-12835 Oct 31 j 04:00	0° \mathcal{M} 21'29			-12834 Oct 06 j 06:47	0° \mathcal{Q}	
evening max el	-12835 Nov 03 j 05:46	3° \mathcal{M} 51'37	18°33'35	evening max el	-12834 Oct 17 j 14:12	16° \mathcal{Q} 51'02	18°11'00
retrograde	-12835 Nov 11 j 01:43	7° \mathcal{M} 42'00		asc. node	-12834 Oct 18 j 01:17	17° \mathcal{Q} 17'42	
evening set	-12835 Nov 13 j 12:40	7° \mathcal{M} 20'38		retrograde	-12834 Oct 24 j 15:55	20° \mathcal{Q} 27'12	
inferior conj	-12835 Nov 21 j 04:13	2° \mathcal{M} 47'23	4°15'23	evening set	-12834 Oct 27 j 03:26	20° \mathcal{Q} 01'18	
minimum elong	-12835 Nov 21 j 02:53	2° \mathcal{M} 50'01	4°15'42	inferior conj	-12834 Nov 03 j 06:35	15° \mathcal{Q} 06'27	3°53'19
min. Earth dist.	-12835 Nov 24 j 08:41	0° \mathcal{M} 18'58	0.58916 AU	minimum elong	-12834 Nov 03 j 03:10	15° \mathcal{Q} 14'07	3°53'23
	-12835 Nov 24 j 18:56	30° $\mathcal{R}\mathcal{Q}$		min. Earth dist.	-12834 Nov 06 j 07:33	12° \mathcal{Q} 23'39	0.60760 AU
morning rise	-12835 Nov 28 j 15:14	27° \mathcal{Q} 33'42		morning rise	-12834 Nov 10 j 01:29	9° \mathcal{Q} 33'27	
direct	-12835 Dec 04 j 21:58	25° \mathcal{Q} 54'45		direct	-12834 Nov 16 j 23:18	7° \mathcal{Q} 21'11	
	-12835 Dec 15 j 05:21	0° \mathcal{M}		morning max el	-12834 Nov 30 j 21:39	14° \mathcal{Q} 44'30	27°12'52
desc. node	-12835 Dec 18 j 13:25	2° \mathcal{M} 49'03		desc. node	-12834 Dec 05 j 09:56	19° \mathcal{Q} 32'22	
morning max el	-12835 Dec 18 j 22:43	3° \mathcal{M} 11'02	26°18'31		-12834 Dec 13 j 09:07	0° \mathcal{M}	
	-12834 Jan 07 j 08:15	0° \mathcal{L}			-12834 Dec 30 j 14:19	0° \mathcal{L}	
morning set	-12834 Jan 16 j 23:40	18° \mathcal{L} 41'46		morning set	-12833 Jan 01 j 08:16	3° \mathcal{L} 34'20	
	-12834 Jan 22 j 06:08	0° \mathcal{M}					
superior conj	-12834 Jan 23 j 23:02	3° \mathcal{M} 43'18	-0°28'30	superior conj	-12833 Jan 08 j 10:54	18° \mathcal{L} 47'00	-0°48'54
minimum elong	-12834 Jan 24 j 00:09	3° \mathcal{M} 49'22	0°28'46	minimum elong	-12833 Jan 08 j 12:36	18° \mathcal{L} 56'16	0°48'53
max. Earth dist.	-12834 Jan 24 j 06:04	4° \mathcal{M} 21'44	1.32823 AU	max. Earth dist.	-12833 Jan 07 j 19:10	17° \mathcal{L} 21'10	1.32833 AU
asc. node	-12834 Jan 27 j 01:08	10° \mathcal{M} 26'12		asc. node	-12833 Jan 13 j 22:32	0° \mathcal{M} 40'27	
evening rise	-12834 Jan 31 j 02:11	19° \mathcal{M} 00'37			-12833 Jan 13 j 14:57	0° \mathcal{M}	
	-12834 Feb 05 j 14:46	0° \mathcal{J}		evening rise	-12833 Jan 15 j 11:41	3° \mathcal{M} 56'44	
	-12834 Feb 24 j 21:37	0° \mathcal{Z}			-12833 Jan 29 j 14:43	0° \mathcal{J}	
evening max el	-12834 Mar 02 j 00:11	5° \mathcal{Z} 30'41	26°41'27	evening max el	-12833 Feb 11 j 21:53	16° \mathcal{J} 53'10	25°33'45
retrograde	-12834 Mar 16 j 03:11	12° \mathcal{Z} 55'58		retrograde	-12833 Feb 25 j 23:19	24° \mathcal{J} 03'03	
desc. node	-12834 Mar 16 j 15:05	12° \mathcal{Z} 55'19		evening set	-12833 Mar 03 j 06:10	22° \mathcal{J} 56'44	
evening set	-12834 Mar 22 j 07:50	11° \mathcal{Z} 15'36		desc. node	-12833 Mar 03 j 12:00	22° \mathcal{J} 50'38	
min. Earth dist.	-12834 Mar 26 j 13:39	8° \mathcal{Z} 24'14	0.59769 AU	min. Earth dist.	-12833 Mar 08 j 11:31	19° \mathcal{J} 59'23	0.57880 AU
inferior conj	-12834 Mar 29 j 21:31	5° \mathcal{Z} 40'19	-2°47'13	inferior conj	-12833 Mar 11 j 13:27	17° \mathcal{J} 48'12	-1°53'07
minimum elong	-12834 Mar 29 j 18:40	5° \mathcal{Z} 46'13	2°47'35	minimum elong	-12833 Mar 11 j 10:11	17° \mathcal{J} 54'03	1°53'06
morning rise	-12834 Apr 06 j 08:13	0° \mathcal{Z} 59'19		morning rise	-12833 Mar 19 j 17:24	13° \mathcal{J} 25'57	
direct	-12834 Apr 08 j 18:20	0° \mathcal{Z} 37'02		direct	-12833 Mar 21 j 23:10	13° \mathcal{J} 10'00	
morning max el	-12834 Apr 16 j 03:01	4° \mathcal{Z} 12'19	18°17'41	morning max el	-12833 Mar 30 j 09:31	17° \mathcal{J} 11'23	18°51'28
asc. node	-12834 Apr 24 j 23:56	16° \mathcal{Z} 31'51			-12833 Apr 08 j 16:00	0° \mathcal{Z}	
morning set	-12834 May 02 j 05:11	29° \mathcal{Z} 41'09		asc. node	-12833 Apr 11 j 20:53	5° \mathcal{Z} 47'11	
	-12834 May 02 j 09:12	0° \approx		morning set	-12833 Apr 15 j 20:33	13° \mathcal{Z} 25'26	
					-12833 Apr 24 j 09:41	0° \approx	
superior conj	-12834 May 12 j 01:59	18° \approx 00'08	1°45'46	superior conj	-12833 Apr 24 j 17:15	0° \approx 35'52	1°33'35
minimum elong	-12834 May 12 j 00:08	17° \approx 51'48	1°45'08	minimum elong	-12833 Apr 24 j 14:16	0° \approx 21'42	1°32'36
	-12834 May 18 j 21:35	0° \mathcal{H}		max. Earth dist.	-12833 May 01 j 10:54	13° \approx 00'25	1.38847 AU
max. Earth dist.	-12834 May 19 j 10:25	0° \mathcal{H} 54'51	1.40712 AU	evening rise	-12833 May 05 j 14:41	20° \approx 17'31	
evening rise	-12834 May 24 j 16:01	9° \mathcal{H} 39'49			-12833 May 11 j 10:00	0° \mathcal{H}	
	-12834 Jun 06 j 15:54	0° Υ		desc. node	-12833 May 30 j 10:02	28° \mathcal{H} 17'14	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12833 May 31 j 17:06	0°♿					-12832 May 03 j 12:12	0°♿			
evening max el	-12833 Jun 10 j 01:56	11°♿01'48	24°12'49		desc. node		-12832 May 16 j 07:33	17°♿29'49			
retrograde	-12833 Jun 21 j 02:51	17°♿34'12			evening max el		-12832 May 22 j 11:28	24°♿22'33	25°30'07		
evening set	-12833 Jun 26 j 13:38	15°♿12'11					-12832 May 29 j 13:09	0°♿			
inferior conj	-12833 Jul 01 j 19:16	8°♿56'30	-2°01'06		retrograde		-12832 Jun 03 j 13:24	1°♿27'38			
minimum elong	-12833 Jul 01 j 21:19	8°♿49'33	2°00'22				-12832 Jun 08 j 02:03	30°♿			
min. Earth dist.	-12833 Jul 01 j 06:23	9°♿40'22	0.67097 AU		evening set		-12832 Jun 09 j 14:24	28°♿49'32			
morning rise	-12833 Jul 07 j 04:56	2°♿47'07			min. Earth dist.		-12832 Jun 13 j 21:47	23°♿56'37	0.66606 AU		
asc. node	-12833 Jul 08 j 22:03	1°♿46'45			inferior conj		-12832 Jun 14 j 23:06	22°♿33'48	-2°35'18		
direct	-12833 Jul 11 j 02:58	1°♿19'17			minimum elong		-12832 Jun 15 j 01:18	22°♿26'37	2°34'54		
morning max el	-12833 Jul 19 j 08:10	6°♿11'45	20°46'07		morning rise		-12832 Jun 20 j 12:13	16°♿35'09			
	-12833 Aug 05 j 21:43	0°♿			direct		-12832 Jun 24 j 00:44	15°♿23'07			
morning set	-12833 Aug 17 j 00:53	17°♿02'24			asc. node		-12832 Jun 24 j 18:47	15°♿26'17			
	-12833 Aug 25 j 05:33	0°♿			morning max el		-12832 Jul 01 j 09:45	19°♿39'17	19°41'27		
desc. node	-12833 Aug 26 j 06:15	1°♿39'30					-12832 Jul 09 j 12:04	0°♿			
max. Earth dist.	-12833 Aug 26 j 16:27	2°♿20'42	1.43191 AU		morning set		-12832 Jul 26 j 05:36	25°♿36'35			
							-12832 Jul 29 j 00:55	0°♿			
superior conj	-12833 Sep 01 j 19:07	12°♿22'44	-0°38'23		max. Earth dist.		-12832 Aug 08 j 06:17	16°♿07'33	1.44216 AU		
minimum elong	-12833 Sep 01 j 15:48	12°♿08'52	0°37'12								
	-12833 Sep 12 j 02:16	0°♿			superior conj		-12832 Aug 11 j 16:00	21°♿33'53	0°02'54		
evening rise	-12833 Sep 14 j 02:22	3°♿30'53			minimum elong		-12832 Aug 11 j 16:23	21°♿35'28	0°03'30		
evening max el	-12833 Oct 01 j 02:51	0°♿07'06	18°07'51		behind sun begin		-12832 Aug 11 j 05:37	20°♿52'17			
	-12833 Oct 01 j 00:04	0°♿			behind sun end		-12832 Aug 12 j 03:09	22°♿18'42			
asc. node	-12833 Oct 04 j 22:28	2°♿58'58			desc. node		-12832 Aug 12 j 03:37	22°♿20'32			
retrograde	-12833 Oct 07 j 19:16	3°♿39'33					-12832 Aug 16 j 21:11	0°♿			
evening set	-12833 Oct 10 j 09:17	3°♿07'06			evening rise		-12832 Aug 26 j 00:04	15°♿04'52			
	-12833 Oct 14 j 20:32	30°♿					-12832 Sep 03 j 23:33	0°♿			
inferior conj	-12833 Oct 17 j 00:48	27°♿51'58	3°14'51		evening max el		-12832 Sep 13 j 16:39	13°♿32'59	18°23'13		
minimum elong	-12833 Oct 16 j 20:56	28°♿01'46	3°14'40		retrograde		-12832 Sep 20 j 07:36	17°♿10'55			
min. Earth dist.	-12833 Oct 19 j 15:30	25°♿13'16	0.62511 AU		asc. node		-12832 Sep 20 j 19:34	17°♿09'34			
morning rise	-12833 Oct 23 j 07:34	22°♿02'03			evening set		-12832 Sep 23 j 02:20	16°♿29'20			
direct	-12833 Oct 30 j 08:47	19°♿28'11			inferior conj		-12832 Sep 29 j 07:31	10°♿56'56	2°27'32		
morning max el	-12833 Nov 13 j 02:45	26°♿57'08	27°33'34		minimum elong		-12832 Sep 29 j 04:15	11°♿06'10	2°27'20		
	-12833 Nov 16 j 01:38	0°♿			min. Earth dist.		-12832 Oct 01 j 09:44	8°♿35'33	0.64027 AU		
desc. node	-12833 Nov 22 j 06:30	7°♿30'38			morning rise		-12832 Oct 05 j 05:24	4°♿53'07			
	-12833 Dec 06 j 21:18	0°♿			direct		-12832 Oct 12 j 01:24	2°♿10'37			
morning set	-12833 Dec 16 j 11:47	18°♿09'11			morning max el		-12832 Oct 25 j 11:54	9°♿42'24	27°20'20		
max. Earth dist.	-12833 Dec 22 j 05:04	0°♿06'55	1.33193 AU		desc. node		-12832 Nov 08 j 03:10	26°♿22'32			
	-12833 Dec 22 j 03:46	0°♿					-12832 Nov 10 j 14:45	0°♿			
							-12832 Nov 28 j 03:19	0°♿			
superior conj	-12833 Dec 23 j 21:31	3°♿44'51	-1°06'49		morning set		-12832 Nov 29 j 07:33	2°♿17'45			
minimum elong	-12833 Dec 23 j 23:30	3°♿55'32	1°06'36		max. Earth dist.		-12832 Dec 04 j 08:05	12°♿28'03	1.33936 AU		
evening rise	-12833 Dec 30 j 22:47	18°♿54'59									
asc. node	-12833 Dec 31 j 19:58	20°♿45'38			superior conj		-12832 Dec 07 j 05:04	18°♿30'41	-1°21'25		
	-12832 Jan 05 j 10:50	0°♿			minimum elong		-12832 Dec 07 j 06:55	18°♿40'33	1°21'04		
evening max el	-12832 Jan 24 j 15:33	27°♿49'55	24°06'10				-12832 Dec 12 j 14:18	0°♿			
	-12832 Jan 27 j 03:26	0°♿			evening rise		-12832 Dec 14 j 09:51	3°♿49'36			
retrograde	-12832 Feb 07 j 07:10	4°♿34'27			asc. node		-12832 Dec 17 j 17:24	10°♿36'37			
evening set	-12832 Feb 11 j 12:50	3°♿54'36					-12832 Dec 28 j 23:46	0°♿			
min. Earth dist.	-12832 Feb 18 j 04:56	0°♿39'34	0.56382 AU		evening max el		-12831 Jan 05 j 09:41	8°♿43'08	22°31'58		
desc. node	-12832 Feb 18 j 08:49	0°♿33'36			retrograde		-12831 Jan 18 j 03:41	14°♿49'51			
	-12832 Feb 19 j 06:29	30°♿			evening set		-12831 Jan 21 j 11:57	14°♿25'18			
inferior conj	-12832 Feb 20 j 09:37	29°♿17'32	-0°30'30		min. Earth dist.		-12831 Jan 29 j 20:04	10°♿39'27	0.55563 AU		
minimum elong	-12832 Feb 20 j 08:24	29°♿19'25	0°30'51		inferior conj		-12831 Jan 30 j 13:31	10°♿14'17	1°10'47		
morning rise	-12832 Feb 29 j 06:43	25°♿09'57			minimum elong		-12831 Jan 30 j 16:27	10°♿10'03	1°09'19		
direct	-12832 Mar 02 j 10:08	24°♿57'42			desc. node		-12831 Feb 04 j 05:33	7°♿43'49			
morning max el	-12832 Mar 12 j 07:49	29°♿39'17	19°45'05		morning rise		-12831 Feb 08 j 22:02	6°♿10'22			
	-12832 Mar 12 j 16:24	0°♿			direct		-12831 Feb 11 j 06:02	5°♿57'38			
asc. node	-12832 Mar 28 j 17:55	25°♿26'20			morning max el		-12831 Feb 22 j 19:33	11°♿29'14	20°57'47		
morning set	-12832 Mar 29 j 21:03	27°♿41'40					-12831 Mar 07 j 20:16	0°♿			
	-12832 Mar 31 j 00:34	0°♿			morning set		-12831 Mar 14 j 03:44	12°♿21'24			
					asc. node		-12831 Mar 15 j 15:02	15°♿23'12			
superior conj	-12832 Apr 07 j 00:08	14°♿01'48	1°15'23								
minimum elong	-12832 Apr 06 j 21:11	13°♿47'12	1°14'11		superior conj		-12831 Mar 21 j 18:16	28°♿05'35	0°53'46		
max. Earth dist.	-12832 Apr 12 j 13:08	24°♿44'00	1.37056 AU		minimum elong		-12831 Mar 21 j 16:00	27°♿53'59	0°52'34		
	-12832 Apr 15 j 09:20	0°♿					-12831 Mar 22 j 16:40	0°♿			
evening rise	-12832 Apr 16 j 14:39	2°♿12'56			max. Earth dist.		-12831 Mar 25 j 22:35	6°♿31'10	1.35521 AU		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12831 Mar 30 j 10:19	15° ♁ 10'56		max. Earth dist.	-12830 Mar 08 j 18:06	18° ♁ 40'43	1.34326 AU
	-12831 Apr 07 j 17:11	0° ♁		evening rise	-12830 Mar 13 j 20:19	28° ♁ 54'46	
	-12831 Apr 28 j 00:34	0° ♁			-12830 Mar 14 j 09:44	0° ♁	
desc. node	-12831 May 03 j 04:59	5° ♁ 58'11			-12830 Mar 31 j 20:48	0° ♁	
evening max el	-12831 May 04 j 21:40	7° ♁ 42'25	26°33'29	evening max el	-12830 Apr 17 j 08:30	20° ♁ 53'32	27°14'53
retrograde	-12831 May 17 j 19:24	15° ♁ 08'27		desc. node	-12830 Apr 20 j 02:20	23° ♁ 24'02	
evening set	-12831 May 24 j 08:15	12° ♁ 22'09		retrograde	-12830 Apr 30 j 20:05	28° ♁ 28'37	
min. Earth dist.	-12831 May 28 j 07:45	8° ♁ 08'21	0.65731 AU	evening set	-12830 May 07 j 16:28	25° ♁ 45'26	
inferior conj	-12831 May 29 j 22:48	6° ♁ 08'23	-3°01'36	min. Earth dist.	-12830 May 11 j 10:25	22° ♁ 07'25	0.64455 AU
minimum elong	-12831 May 30 j 00:41	6° ♁ 02'33	3°01'38	inferior conj	-12830 May 13 j 15:58	19° ♁ 36'20	-3°17'50
morning rise	-12831 Jun 04 j 17:21	0° ♁ 23'06		minimum elong	-12830 May 13 j 17:02	19° ♁ 33'19	3°18'18
	-12831 Jun 05 j 10:34	30° ♁		morning rise	-12830 May 19 j 18:11	14° ♁ 06'41	
direct	-12831 Jun 07 j 22:07	29° ♁ 24'56		direct	-12830 May 22 j 16:44	13° ♁ 20'29	
	-12831 Jun 10 j 11:03	0° ♁		morning max el	-12830 May 29 j 05:01	16° ♁ 50'42	18°18'40
asc. node	-12831 Jun 11 j 15:32	0° ♁ 38'43		asc. node	-12830 May 29 j 12:15	17° ♁ 09'11	
morning max el	-12831 Jun 14 j 17:17	3° ♁ 13'21	18°51'38		-12830 Jun 07 j 17:34	0° ♁	
	-12831 Jul 03 j 00:50	0° ♁		morning set	-12830 Jun 16 j 22:51	15° ♁ 19'37	
morning set	-12831 Jul 06 j 01:54	4° ♁ 53'59			-12830 Jun 25 j 19:10	0° ♁	
superior conj	-12831 Jul 21 j 18:09	29° ♁ 52'50	0°47'17	superior conj	-12830 Jun 30 j 22:25	8° ♁ 19'46	1°23'25
minimum elong	-12831 Jul 21 j 23:27	0° ♁ 13'49	0°47'07	minimum elong	-12830 Jul 01 j 04:45	8° ♁ 45'14	1°23'01
	-12831 Jul 21 j 19:58	0° ♁		max. Earth dist.	-12830 Jul 04 j 14:10	14° ♁ 10'52	1.44233 AU
max. Earth dist.	-12831 Jul 21 j 22:29	0° ♁ 10'01	1.44574 AU		-12830 Jul 14 j 14:58	0° ♁	
desc. node	-12831 Jul 30 j 01:02	13° ♁ 00'45		desc. node	-12830 Jul 16 j 22:33	3° ♁ 37'08	
evening rise	-12831 Aug 06 j 19:59	25° ♁ 26'32		evening rise	-12830 Jul 17 j 12:52	4° ♁ 32'59	
	-12831 Aug 09 j 16:13	0° ♁		greatest brilliancy	-12830 Jul 29 j 07:31	22° ♁ 43'26	-0.7m
evening max el	-12831 Aug 28 j 04:44	27° ♁ 03'08	18°56'00		-12830 Aug 03 j 05:31	0° ♁	
	-12831 Aug 31 j 20:30	0° ♁		evening max el	-12830 Aug 11 j 12:33	10° ♁ 33'43	19°44'58
retrograde	-12831 Sep 04 j 01:16	0° ♁ 55'01		retrograde	-12830 Aug 18 j 21:27	14° ♁ 48'24	
evening set	-12831 Sep 07 j 03:04	0° ♁ 01'08		evening set	-12830 Aug 22 j 08:39	13° ♁ 38'44	
	-12831 Sep 07 j 03:51	30° ♁		asc. node	-12830 Aug 25 j 13:33	10° ♁ 38'43	
asc. node	-12831 Sep 07 j 16:37	29° ♁ 39'47		inferior conj	-12830 Aug 27 j 22:16	7° ♁ 41'18	0°43'55
inferior conj	-12831 Sep 12 j 23:33	24° ♁ 14'43	1°36'08	minimum elong	-12830 Aug 27 j 21:15	7° ♁ 44'35	0°44'17
minimum elong	-12831 Sep 12 j 21:21	24° ♁ 21'29	1°36'10	min. Earth dist.	-12830 Aug 29 j 00:21	6° ♁ 16'18	0.66205 AU
min. Earth dist.	-12831 Sep 14 j 13:20	22° ♁ 19'00	0.65263 AU	morning rise	-12830 Sep 02 j 09:32	1° ♁ 21'35	
morning rise	-12831 Sep 18 j 15:06	18° ♁ 00'51			-12830 Sep 04 j 06:35	30° ♁	
direct	-12831 Sep 25 j 00:41	15° ♁ 20'53		direct	-12830 Sep 08 j 05:54	28° ♁ 52'27	
morning max el	-12831 Oct 07 j 22:21	22° ♁ 47'24	26°37'26		-12830 Sep 12 j 14:11	0° ♁	
	-12831 Oct 14 j 09:51	0° ♁		morning max el	-12830 Sep 20 j 08:21	6° ♁ 01'04	25°32'13
desc. node	-12831 Oct 25 j 23:51	15° ♁ 51'49			-12830 Oct 09 j 01:03	0° ♁	
	-12831 Nov 03 j 20:18	0° ♁		desc. node	-12830 Oct 12 j 20:38	5° ♁ 47'58	
morning set	-12831 Nov 12 j 15:59	15° ♁ 47'43		morning set	-12830 Oct 26 j 08:42	28° ♁ 26'26	
max. Earth dist.	-12831 Nov 17 j 00:55	24° ♁ 16'52	1.35102 AU		-12830 Oct 27 j 05:19	0° ♁	
	-12831 Nov 19 j 20:58	0° ♁		max. Earth dist.	-12830 Oct 30 j 07:07	5° ♁ 42'09	1.36688 AU
superior conj	-12831 Nov 21 j 07:13	2° ♁ 55'57	-1°31'42	superior conj	-12830 Nov 05 j 01:17	16° ♁ 52'24	-1°36'18
minimum elong	-12831 Nov 21 j 08:29	3° ♁ 02'29	1°31'14	minimum elong	-12830 Nov 05 j 01:26	16° ♁ 53'07	1°35'43
evening rise	-12831 Nov 28 j 19:06	18° ♁ 33'34			-12830 Nov 11 j 12:57	0° ♁	
asc. node	-12831 Dec 04 j 14:48	0° ♁ 06'19		evening rise	-12830 Nov 13 j 00:44	3° ♁ 01'37	
	-12831 Dec 04 j 13:27	0° ♁		asc. node	-12830 Nov 21 j 12:10	19° ♁ 07'03	
evening max el	-12831 Dec 18 j 09:47	19° ♁ 54'37	21°03'46		-12830 Nov 29 j 05:00	0° ♁	
retrograde	-12831 Dec 29 j 18:23	25° ♁ 14'48		evening max el	-12830 Nov 30 j 19:26	1° ♁ 37'44	19°50'12
evening set	-12830 Jan 01 j 13:56	24° ♁ 56'21		retrograde	-12830 Dec 10 j 14:18	6° ♁ 14'03	
inferior conj	-12830 Jan 10 j 11:06	20° ♁ 57'04	2°46'31	evening set	-12830 Dec 13 j 04:27	5° ♁ 56'11	
minimum elong	-12830 Jan 10 j 16:49	20° ♁ 48'46	2°44'47	inferior conj	-12830 Dec 21 j 15:27	1° ♁ 51'38	3°51'29
min. Earth dist.	-12830 Jan 11 j 09:58	20° ♁ 23'57	0.55592 AU	minimum elong	-12830 Dec 21 j 19:50	1° ♁ 44'44	3°50'49
morning rise	-12830 Jan 19 j 18:40	16° ♁ 41'12		min. Earth dist.	-12830 Dec 23 j 23:06	0° ♁ 24'17	0.56446 AU
desc. node	-12830 Jan 22 j 02:13	16° ♁ 21'18			-12830 Dec 24 j 15:04	30° ♁	
direct	-12830 Jan 22 j 21:09	16° ♁ 19'54		morning rise	-12830 Dec 30 j 09:12	27° ♁ 14'05	
morning max el	-12830 Feb 04 j 19:59	22° ♁ 39'31	22°26'24	direct	-12829 Jan 03 j 18:34	26° ♁ 30'57	
	-12830 Feb 11 j 04:04	0° ♁		desc. node	-12829 Jan 08 j 22:48	27° ♁ 32'15	
morning set	-12830 Feb 26 j 14:11	27° ♁ 16'05			-12829 Jan 13 j 10:19	0° ♁	
	-12830 Feb 27 j 21:30	0° ♁		morning max el	-12829 Jan 17 j 12:11	3° ♁ 23'19	24°03'04
asc. node	-12830 Mar 02 j 12:11	5° ♁ 31'42			-12829 Feb 04 j 22:47	0° ♁	
superior conj	-12830 Mar 05 j 20:12	12° ♁ 35'51	0°30'33	morning set	-12829 Feb 11 j 02:27	12° ♁ 19'06	
minimum elong	-12830 Mar 05 j 18:54	12° ♁ 29'03	0°29'31	asc. node	-12829 Feb 17 j 09:23	25° ♁ 47'23	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12829 Feb 18 j 03:23	27° \mathbb{M} 24'19	0°07'01			-12828 Jan 11 j 17:03	0° \mathbb{A}	
minimum elong	-12829 Feb 18 j 03:06	27° \mathbb{M} 22'52	0°06'16	morning set		-12828 Jan 26 j 14:46	27° \mathbb{A} 24'02	
behind sun begin	-12829 Feb 17 j 22:21	26° \mathbb{M} 57'15				-12828 Jan 27 j 20:16	0° \mathbb{M}	
behind sun end	-12829 Feb 18 j 07:52	27° \mathbb{M} 48'29						
	-12829 Feb 19 j 08:24	0° \mathbb{A}		superior conj		-12828 Feb 02 j 13:46	12° \mathbb{M} 24'06	-0°15'54
max. Earth dist.	-12829 Feb 19 j 22:51	1° \mathbb{A} 17'12	1.33482 AU	minimum elong		-12828 Feb 02 j 14:26	12° \mathbb{M} 27'42	0°16'20
evening rise	-12829 Feb 25 j 16:28	13° \mathbb{A} 11'13		max. Earth dist.		-12828 Feb 03 j 09:51	14° \mathbb{M} 13'19	1.32967 AU
	-12829 Mar 06 j 14:34	0° \mathbb{B}		asc. node		-12828 Feb 04 j 06:39	16° \mathbb{M} 06'09	
	-12829 Mar 27 j 04:42	0° \mathbb{A}		evening rise		-12828 Feb 09 j 19:38	27° \mathbb{M} 49'56	
evening max el	-12829 Mar 30 j 18:14	3° \mathbb{A} 44'27	27°27'31			-12828 Feb 10 j 21:09	0° \mathbb{A}	
desc. node	-12829 Apr 06 j 23:36	9° \mathbb{A} 22'08				-12828 Feb 27 j 23:57	0° \mathbb{B}	
retrograde	-12829 Apr 13 j 14:29	11° \mathbb{A} 19'25		evening max el		-12828 Mar 12 j 00:21	16° \mathbb{B} 04'13	27°07'37
evening set	-12829 Apr 20 j 11:51	8° \mathbb{A} 52'13		desc. node		-12828 Mar 23 j 20:43	23° \mathbb{B} 21'06	
min. Earth dist.	-12829 Apr 24 j 04:20	5° \mathbb{A} 42'19	0.62818 AU	retrograde		-12828 Mar 26 j 01:28	23° \mathbb{B} 33'57	
inferior conj	-12829 Apr 26 j 23:45	2° \mathbb{A} 51'43	-3°20'49	evening set		-12828 Apr 01 j 15:14	21° \mathbb{B} 34'09	
minimum elong	-12829 Apr 26 j 23:27	2° \mathbb{A} 52'30	3°21'31	min. Earth dist.		-12828 Apr 05 j 13:13	18° \mathbb{B} 40'26	0.60917 AU
	-12829 Apr 29 j 23:35	30° \mathbb{R} \mathbb{B}		inferior conj		-12828 Apr 08 j 18:51	15° \mathbb{B} 47'53	-3°06'04
morning rise	-12829 May 03 j 12:15	27° \mathbb{B} 39'48		minimum elong		-12828 Apr 08 j 16:51	15° \mathbb{B} 52'22	3°06'38
direct	-12829 May 06 j 05:46	27° \mathbb{B} 03'52		morning rise		-12828 Apr 15 j 20:35	10° \mathbb{B} 55'26	
	-12829 May 12 j 07:44	0° \mathbb{A}		direct		-12828 Apr 18 j 09:32	10° \mathbb{B} 28'29	
morning max el	-12829 May 12 j 18:44	0° \mathbb{A} 26'19	18°03'36	morning max el		-12828 Apr 25 j 07:59	13° \mathbb{B} 54'53	18°07'06
asc. node	-12829 May 16 j 08:59	4° \mathbb{A} 41'26		asc. node		-12828 May 02 j 05:48	23° \mathbb{B} 02'26	
morning set	-12829 May 29 j 20:01	26° \mathbb{A} 53'35				-12828 May 06 j 08:13	0° \mathbb{A}	
	-12829 May 31 j 14:31	0° \mathbb{H}		morning set		-12828 May 11 j 13:14	9° \mathbb{A} 27'05	
superior conj	-12829 Jun 10 j 23:24	17° \mathbb{H} 47'07	1°43'54	superior conj		-12828 May 22 j 03:24	28° \mathbb{A} 34'55	1°48'42
minimum elong	-12829 Jun 11 j 02:34	18° \mathbb{H} 00'19	1°43'36	minimum elong		-12828 May 22 j 02:57	28° \mathbb{A} 32'58	1°48'16
max. Earth dist.	-12829 Jun 17 j 02:52	27° \mathbb{H} 53'49	1.43243 AU			-12828 May 22 j 22:51	0° \mathbb{H}	
	-12829 Jun 18 j 10:06	0° \mathbb{Y}		max. Earth dist.		-12828 May 29 j 10:26	11° \mathbb{H} 03'44	1.41738 AU
evening rise	-12829 Jun 26 j 13:30	12° \mathbb{Y} 53'40		evening rise		-12828 Jun 04 j 20:22	21° \mathbb{H} 32'33	
desc. node	-12829 Jul 03 j 20:09	24° \mathbb{Y} 05'39				-12828 Jun 10 j 05:12	0° \mathbb{Y}	
	-12829 Jul 07 j 18:08	0° \mathbb{B}		desc. node		-12828 Jun 19 j 17:45	14° \mathbb{Y} 21'53	
evening max el	-12829 Jul 25 j 14:03	24° \mathbb{B} 00'49	20°48'29			-12828 Jul 01 j 00:14	0° \mathbb{B}	
retrograde	-12829 Aug 02 j 18:01	28° \mathbb{B} 47'34		evening max el		-12828 Jul 07 j 08:29	7° \mathbb{B} 23'10	22°03'33
evening set	-12829 Aug 06 j 16:45	27° \mathbb{B} 18'56		retrograde		-12828 Jul 16 j 13:20	12° \mathbb{B} 50'04	
inferior conj	-12829 Aug 12 j 01:24	21° \mathbb{B} 13'11	-0°06'59	evening set		-12828 Jul 21 j 01:19	11° \mathbb{B} 00'21	
minimum elong	-12829 Aug 12 j 01:32	21° \mathbb{B} 12'44	0°06'17	inferior conj		-12828 Jul 26 j 07:03	4° \mathbb{B} 48'46	-0°54'54
transit middle	-12829 Aug 12 j 01:32	21° \mathbb{B} 12'44	0°06'17	minimum elong		-12828 Jul 26 j 08:09	4° \mathbb{B} 45'01	0°54'01
transit begin	-12829 Aug 11 j 23:01	21° \mathbb{B} 21'17		min. Earth dist.		-12828 Jul 26 j 11:31	4° \mathbb{B} 33'22	0.67188 AU
transit end	-12829 Aug 12 j 04:03	21° \mathbb{B} 04'10		asc. node		-12828 Jul 29 j 07:13	0° \mathbb{B} 51'04	
asc. node	-12829 Aug 12 j 10:24	20° \mathbb{B} 42'35				-12828 Jul 30 j 01:10	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-12829 Aug 12 j 16:30	20° \mathbb{B} 21'56	0.66846 AU	morning rise		-12828 Jul 31 j 14:53	28° \mathbb{Y} 29'11	
morning rise	-12829 Aug 17 j 10:09	14° \mathbb{B} 51'38		direct		-12828 Aug 05 j 07:23	26° \mathbb{Y} 33'58	
direct	-12829 Aug 22 j 16:22	12° \mathbb{B} 38'27				-12828 Aug 12 j 12:43	0° \mathbb{B}	
morning max el	-12829 Sep 02 j 18:10	19° \mathbb{B} 16'27	24°13'23	morning max el		-12828 Aug 15 j 05:46	2° \mathbb{B} 32'43	22°49'39
	-12829 Sep 11 j 20:18	0° \mathbb{H}				-12828 Sep 04 j 22:39	0° \mathbb{H}	
desc. node	-12829 Sep 29 j 17:31	26° \mathbb{H} 02'45		desc. node		-12828 Sep 15 j 14:34	16° \mathbb{H} 30'35	
	-12829 Oct 02 j 04:40	0° \mathbb{B}		morning set		-12828 Sep 17 j 22:53	20° \mathbb{H} 18'41	
morning set	-12829 Oct 08 j 04:27	9° \mathbb{B} 59'53		max. Earth dist.		-12828 Sep 23 j 07:12	29° \mathbb{H} 13'32	1.40555 AU
max. Earth dist.	-12829 Oct 12 j 07:00	17° \mathbb{B} 11'11	1.38581 AU			-12828 Sep 23 j 18:05	0° \mathbb{B}	
superior conj	-12829 Oct 19 j 07:36	0° \mathbb{Q} 09'11	-1°33'30	superior conj		-12828 Sep 30 j 21:25	12° \mathbb{B} 33'17	-1°21'14
minimum elong	-12829 Oct 19 j 06:09	0° \mathbb{Q} 02'16	1°32'43	minimum elong		-12828 Sep 30 j 18:15	12° \mathbb{B} 19'00	1°20'10
	-12829 Oct 19 j 05:40	0° \mathbb{Q}				-12828 Oct 10 j 06:22	0° \mathbb{Q}	
evening rise	-12829 Oct 28 j 00:36	17° \mathbb{Q} 07'47		evening rise		-12828 Oct 10 j 15:58	0° \mathbb{Q} 45'22	
	-12829 Nov 03 j 19:35	0° \mathbb{H}		asc. node		-12828 Oct 25 j 06:50	25° \mathbb{Q} 01'07	
asc. node	-12829 Nov 08 j 09:31	7° \mathbb{H} 29'17		evening max el		-12828 Oct 26 j 19:49	26° \mathbb{Q} 40'02	18°21'28
evening max el	-12829 Nov 13 j 15:17	13° \mathbb{H} 54'21	18°55'39			-12828 Oct 31 j 21:04	0° \mathbb{H}	
retrograde	-12829 Nov 22 j 01:39	17° \mathbb{H} 58'00		retrograde		-12828 Nov 03 j 06:56	0° \mathbb{H} 23'20	
evening set	-12829 Nov 24 j 13:23	17° \mathbb{H} 38'15		evening set		-12828 Nov 05 j 17:51	0° \mathbb{H} 00'16	
inferior conj	-12829 Dec 02 j 12:05	13° \mathbb{H} 16'39	4°16'41			-12828 Nov 05 j 18:11	30° \mathbb{R} \mathbb{Q}	
minimum elong	-12829 Dec 02 j 12:43	13° \mathbb{H} 15'31	4°16'55	inferior conj		-12828 Nov 13 j 04:00	25° \mathbb{Q} 17'28	4°08'39
min. Earth dist.	-12829 Dec 05 j 13:13	11° \mathbb{H} 05'56	0.57910 AU	minimum elong		-12828 Nov 13 j 01:33	25° \mathbb{Q} 22'33	4°08'54
morning rise	-12829 Dec 10 j 10:08	8° \mathbb{H} 15'49		min. Earth dist.		-12828 Nov 16 j 07:58	22° \mathbb{Q} 40'38	0.59694 AU
direct	-12829 Dec 16 j 02:47	6° \mathbb{H} 58'44		morning rise		-12828 Nov 20 j 07:38	19° \mathbb{Q} 55'08	
desc. node	-12829 Dec 26 j 19:19	11° \mathbb{H} 16'31		direct		-12828 Nov 26 j 22:07	18° \mathbb{Q} 01'16	
morning max el	-12829 Dec 30 j 02:57	14° \mathbb{H} 08'11	25°34'33	morning max el		-12828 Dec 10 j 22:24	25° \mathbb{Q} 20'38	26°45'45

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12828 Dec 12 j 15:50	27° Ω 04'08			-12827 Nov 11 j 10:01	0° Ω	
	-12828 Dec 15 j 07:40	0° \mathbb{M}	morning max el	-12827 Nov 23 j 00:23	7° Ω 12'32	27°25'59	
	-12827 Jan 03 j 19:56	0° $\underline{\Omega}$	desc. node	-12827 Nov 29 j 12:23	14° Ω 23'03		
morning set	-12827 Jan 10 j 01:16	12° $\underline{\Omega}$ 23'18		-12827 Dec 10 j 11:50	0° \mathbb{M}		
			morning set	-12827 Dec 25 j 08:00	27° \mathbb{M} 09'48		
superior conj	-12827 Jan 17 j 01:34	27° $\underline{\Omega}$ 28'04	-0°37'25	-12827 Dec 26 j 16:54	0° $\underline{\Omega}$		
minimum elong	-12827 Jan 17 j 02:58	27° $\underline{\Omega}$ 35'42	0°37'34	max. Earth dist.	-12827 Dec 31 j 11:20	10° $\underline{\Omega}$ 10'12	1.32935 AU
max. Earth dist.	-12827 Jan 16 j 23:13	27° $\underline{\Omega}$ 15'15	1.32779 AU				
	-12827 Jan 18 j 05:22	0° \mathbb{M}	superior conj	-12826 Jan 01 j 13:08	12° $\underline{\Omega}$ 30'20	-0°56'51	
asc. node	-12827 Jan 21 j 04:01	6° \mathbb{M} 23'16	minimum elong	-12826 Jan 01 j 14:59	12° $\underline{\Omega}$ 40'27	0°56'45	
evening rise	-12827 Jan 24 j 03:22	12° \mathbb{M} 41'29	asc. node	-12826 Jan 08 j 01:25	26° $\underline{\Omega}$ 34'17		
	-12827 Feb 02 j 01:27	0° \mathbb{X}	evening rise	-12826 Jan 08 j 13:46	27° $\underline{\Omega}$ 39'16		
evening max el	-12827 Feb 22 j 00:56	27° \mathbb{X} 45'45	26°15'48	-12826 Jan 09 j 16:46	0° \mathbb{M}		
	-12827 Feb 24 j 13:13	0° \mathbb{Z}		-12826 Jan 27 j 02:19	0° \mathbb{X}		
retrograde	-12827 Mar 08 j 03:45	5° \mathbb{Z} 05'50	evening max el	-12826 Feb 03 j 20:21	8° \mathbb{X} 54'29	24°58'12	
desc. node	-12827 Mar 10 j 17:42	4° \mathbb{Z} 48'59	retrograde	-12826 Feb 17 j 19:16	15° \mathbb{X} 55'59		
evening set	-12827 Mar 14 j 00:13	3° \mathbb{Z} 39'58	evening set	-12826 Feb 22 j 15:13	15° \mathbb{X} 02'12		
min. Earth dist.	-12827 Mar 18 j 14:16	0° \mathbb{Z} 47'57	0.58937 AU	desc. node	-12826 Feb 25 j 14:35	13° \mathbb{X} 40'24	
	-12827 Mar 19 j 15:41	30° \mathbb{R} \mathbb{X}	min. Earth dist.	-12826 Feb 28 j 10:03	11° \mathbb{X} 58'33	0.57170 AU	
inferior conj	-12827 Mar 21 j 21:33	28° \mathbb{X} 15'12	-2°27'50	inferior conj	-12826 Mar 03 j 04:59	10° \mathbb{X} 06'28	-1°21'19
minimum elong	-12827 Mar 21 j 18:18	28° \mathbb{X} 21'32	2°27'59	minimum elong	-12826 Mar 03 j 02:14	10° \mathbb{X} 11'06	1°21'20
morning rise	-12827 Mar 29 j 15:25	23° \mathbb{X} 42'48		morning rise	-12826 Mar 11 j 16:31	5° \mathbb{X} 51'32	
direct	-12827 Mar 31 j 23:42	23° \mathbb{X} 23'26		direct	-12826 Mar 13 j 20:37	5° \mathbb{X} 37'40	
morning max el	-12827 Apr 08 j 17:52	27° \mathbb{X} 07'37	18°29'44	morning max el	-12826 Mar 22 j 21:18	9° \mathbb{X} 54'45	19°11'55
	-12827 Apr 11 j 08:41	0° \mathbb{Z}		-12826 Apr 05 j 05:35	0° \mathbb{Z}		
asc. node	-12827 Apr 19 j 02:41	12° \mathbb{Z} 00'21		asc. node	-12826 Apr 05 j 23:39	1° \mathbb{Z} 26'22	
morning set	-12827 Apr 24 j 21:42	22° \mathbb{Z} 48'17		morning set	-12826 Apr 08 j 17:18	6° \mathbb{Z} 46'48	
	-12827 Apr 28 j 16:02	0° \approx					
superior conj	-12827 May 04 j 07:21	10° \approx 35'34	1°41'33	superior conj	-12826 Apr 17 j 05:51	23° \mathbb{Z} 34'17	1°26'26
minimum elong	-12827 May 04 j 04:51	10° \approx 24'00	1°40'45	minimum elong	-12826 Apr 17 j 02:46	23° \mathbb{Z} 19'22	1°25'20
max. Earth dist.	-12827 May 11 j 12:14	23° \approx 29'48	1.39924 AU		-12826 Apr 20 j 14:51	0° \approx	
	-12827 May 15 j 07:31	0° \mathbb{H}		max. Earth dist.	-12826 Apr 23 j 12:07	5° \approx 20'37	1.38059 AU
evening rise	-12827 May 16 j 02:56	1° \mathbb{H} 21'24		evening rise	-12826 Apr 27 j 12:56	12° \approx 33'42	
	-12827 Jun 03 j 13:45	0° \mathbb{Y}		-12826 May 08 j 00:20	0° \mathbb{H}		
desc. node	-12827 Jun 06 j 15:21	4° \mathbb{Y} 19'58		desc. node	-12826 May 24 j 12:55	23° \mathbb{H} 52'13	
evening max el	-12827 Jun 19 j 21:03	20° \mathbb{Y} 42'20	23°25'23	-12826 May 29 j 13:06	0° \mathbb{Y}		
retrograde	-12827 Jun 30 j 06:08	26° \mathbb{Y} 52'31		evening max el	-12826 Jun 02 j 06:52	4° \mathbb{Y} 02'17	24°46'52
evening set	-12827 Jul 05 j 08:27	24° \mathbb{Y} 41'38		retrograde	-12826 Jun 13 j 19:18	10° \mathbb{Y} 50'37	
inferior conj	-12827 Jul 10 j 13:27	18° \mathbb{Y} 26'36	-1°38'29	evening set	-12826 Jun 19 j 12:09	8° \mathbb{Y} 21'08	
minimum elong	-12827 Jul 10 j 15:14	18° \mathbb{Y} 20'27	1°37'37	min. Earth dist.	-12826 Jun 24 j 00:45	3° \mathbb{Y} 05'26	0.66928 AU
min. Earth dist.	-12827 Jul 10 j 07:04	18° \mathbb{Y} 48'36	0.67220 AU	inferior conj	-12826 Jun 24 j 18:46	2° \mathbb{Y} 04'56	-2°16'30
morning rise	-12827 Jul 15 j 21:58	12° \mathbb{Y} 12'27		minimum elong	-12826 Jun 24 j 20:55	1° \mathbb{Y} 57'42	2°15'53
asc. node	-12827 Jul 16 j 04:00	12° \mathbb{Y} 00'58		-12826 Jun 26 j 08:41	30° \mathbb{R} \mathbb{H}		
direct	-12827 Jul 20 j 02:07	10° \mathbb{Y} 35'06		morning rise	-12826 Jun 30 j 05:40	25° \mathbb{H} 59'32	
morning max el	-12827 Jul 28 j 21:36	15° \mathbb{Y} 51'36	21°28'47	asc. node	-12826 Jul 03 j 00:45	24° \mathbb{H} 43'44	
	-12827 Aug 09 j 01:55	0° \mathbb{B}		direct	-12826 Jul 03 j 23:20	24° \mathbb{H} 38'43	
morning set	-12827 Aug 28 j 16:35	29° \mathbb{B} 27'54		morning max el	-12826 Jul 11 j 19:24	29° \mathbb{H} 15'20	20°16'52
	-12827 Aug 29 j 00:44	0° \mathbb{H}		-12826 Jul 12 j 12:16	0° \mathbb{Y}		
desc. node	-12827 Sep 02 j 11:44	7° \mathbb{H} 06'51		-12826 Aug 02 j 16:34	0° \mathbb{B}		
max. Earth dist.	-12827 Sep 05 j 12:02	12° \mathbb{H} 01'03	1.42339 AU	morning set	-12826 Aug 07 j 20:23	7° \mathbb{B} 58'55	
				max. Earth dist.	-12826 Aug 18 j 22:34	25° \mathbb{B} 28'39	1.43700 AU
superior conj	-12827 Sep 12 j 13:02	23° \mathbb{H} 49'52	-0°57'32	desc. node	-12826 Aug 20 j 09:02	27° \mathbb{B} 47'09	
minimum elong	-12827 Sep 12 j 09:05	23° \mathbb{H} 32'56	0°56'17	-12826 Aug 21 j 17:54	0° \mathbb{H}		
	-12827 Sep 16 j 02:23	0° \mathbb{E}		superior conj	-12826 Aug 24 j 01:33	3° \mathbb{H} 46'32	-0°21'53
evening rise	-12827 Sep 23 j 19:10	13° \mathbb{E} 45'20		minimum elong	-12826 Aug 23 j 23:25	3° \mathbb{H} 37'47	0°20'52
	-12827 Oct 03 j 01:12	0° Ω		evening rise	-12826 Sep 06 j 05:15	25° \mathbb{H} 54'29	
evening max el	-12827 Oct 10 j 06:25	9° Ω 47'54	18°07'20	-12826 Sep 08 j 14:16	0° \mathbb{E}		
asc. node	-12827 Oct 12 j 04:05	11° Ω 28'05		evening max el	-12826 Sep 23 j 19:58	23° \mathbb{E} 09'19	18°12'14
retrograde	-12827 Oct 17 j 03:23	13° Ω 21'40		asc. node	-12826 Sep 29 j 01:17	26° \mathbb{E} 32'46	
evening set	-12827 Oct 19 j 15:32	12° Ω 53'25		retrograde	-12826 Sep 30 j 10:53	26° \mathbb{E} 42'53	
inferior conj	-12827 Oct 26 j 13:38	7° Ω 49'44	3°38'31	evening set	-12826 Oct 03 j 02:36	26° \mathbb{E} 06'59	
minimum elong	-12827 Oct 26 j 09:51	7° Ω 58'41	3°38'26	inferior conj	-12826 Oct 09 j 13:35	20° \mathbb{E} 44'28	2°55'32
min. Earth dist.	-12827 Oct 29 j 10:47	5° Ω 06'25	0.61521 AU	minimum elong	-12826 Oct 09 j 09:53	20° \mathbb{E} 54'19	2°55'17
morning rise	-12827 Nov 02 j 02:52	2° Ω 08'53		min. Earth dist.	-12826 Oct 11 j 23:13	18° \mathbb{E} 11'32	0.63193 AU
	-12827 Nov 06 j 21:40	30° \mathbb{R} \mathbb{E}		morning rise	-12826 Oct 15 j 16:13	14° \mathbb{E} 48'14	
direct	-12827 Nov 09 j 03:12	29° \mathbb{E} 45'41		direct	-12826 Oct 22 j 16:12	12° \mathbb{E} 08'46	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12826 Nov 05 j 07:23	19° ☿ 40'01	27°31'45	morning rise	-12825 Sep 28 j 19:33	27° ♄ 47'04	
	-12826 Nov 14 j 07:12	0° ♁		direct	-12825 Oct 05 j 11:46	25° ♄ 10'421	
desc. node	-12826 Nov 16 j 08:58	2° ♁ 46'26			-12825 Oct 15 j 21:38	0° ☿	
	-12826 Dec 03 j 07:59	0° ♄		morning max el	-12825 Oct 18 j 17:08	2° ☿ 34'17	27°05'09
morning set	-12826 Dec 09 j 08:32	11° ♄ 34'23		desc. node	-12825 Nov 03 j 05:37	21° ☿ 55'45	
max. Earth dist.	-12826 Dec 14 j 18:26	22° ♄ 45'10	1.33459 AU		-12825 Nov 08 j 12:40	0° ♁	
				morning set	-12825 Nov 22 j 23:54	25° ♁ 27'25	
superior conj	-12826 Dec 16 j 22:39	27° ♄ 23'52	-1°13'29		-12825 Nov 25 j 07:25	0° ♄	
minimum elong	-12826 Dec 17 j 00:38	27° ♄ 34'29	1°13'12	max. Earth dist.	-12825 Nov 27 j 17:18	4° ♄ 51'59	1.34388 AU
	-12826 Dec 18 j 03:41	0° ♁					
evening rise	-12826 Dec 24 j 01:01	12° ♁ 36'19		superior conj	-12825 Dec 01 j 04:11	12° ♄ 01'45	-1°26'24
asc. node	-12826 Dec 25 j 22:51	16° ♁ 33'55		minimum elong	-12825 Dec 01 j 05:51	12° ♄ 10'31	1°26'00
	-12825 Jan 01 j 23:54	0° ♄		evening rise	-12825 Dec 08 j 11:29	27° ♄ 26'58	
evening max el	-12825 Jan 16 j 13:39	19° ♄ 46'58	23°26'09		-12825 Dec 09 j 17:05	0° ♁	
retrograde	-12825 Jan 29 j 21:56	26° ♄ 16'35		asc. node	-12825 Dec 12 j 20:16	6° ♁ 16'35	
evening set	-12825 Feb 02 j 17:18	25° ♄ 44'51			-12825 Dec 28 j 14:54	0° ♄	
min. Earth dist.	-12825 Feb 10 j 02:36	22° ♄ 18'22	0.55934 AU	evening max el	-12825 Dec 29 j 09:46	0° ♄ 45'26	21°53'00
inferior conj	-12825 Feb 11 j 17:23	21° ♄ 20'21	0°11'22	retrograde	-12824 Jan 10 j 14:13	6° ♄ 32'04	
minimum elong	-12825 Feb 11 j 17:50	21° ♄ 19'41	0°10'34	evening set	-12824 Jan 13 j 16:12	6° ♄ 10'55	
transit middle	-12825 Feb 11 j 17:50	21° ♄ 19'41	0°10'34	inferior conj	-12824 Jan 22 j 16:55	2° ♄ 07'25	1°53'53
transit begin	-12825 Feb 11 j 14:50	21° ♄ 24'10		minimum elong	-12824 Jan 22 j 21:28	2° ♄ 00'56	1°52'06
transit end	-12825 Feb 11 j 20:49	21° ♄ 15'12		min. Earth dist.	-12824 Jan 22 j 16:54	2° ♄ 07'27	0.55473 AU
desc. node	-12825 Feb 12 j 11:21	20° ♄ 53'31			-12824 Jan 26 j 14:15	30° ♄	
morning rise	-12825 Feb 20 j 20:23	17° ♄ 15'37		desc. node	-12824 Jan 30 j 08:03	28° ♁ 27'21	
direct	-12825 Feb 23 j 00:24	17° ♄ 03'49		morning rise	-12824 Feb 01 j 02:48	28° ♁ 00'18	
morning max el	-12825 Mar 05 j 15:14	22° ♄ 06'42	20°13'48	direct	-12824 Feb 03 j 17:07	27° ♁ 45'02	
	-12825 Mar 12 j 02:45	0° ♄			-12824 Feb 11 j 05:40	0° ♄	
morning set	-12825 Mar 23 j 20:43	21° ♄ 13'42		morning max el	-12824 Feb 15 j 21:49	3° ♄ 37'57	21°33'57
asc. node	-12825 Mar 23 j 20:41	21° ♄ 13'30			-12824 Mar 04 j 06:08	0° ♄	
	-12825 Mar 28 j 03:48	0° ☿		morning set	-12824 Mar 07 j 05:14	6° ♄ 00'25	
				asc. node	-12824 Mar 09 j 17:45	11° ♄ 15'32	
superior conj	-12825 Mar 31 j 17:56	7° ☿ 17'16	1°06'30				
minimum elong	-12825 Mar 31 j 15:13	7° ☿ 03'37	1°05'17	superior conj	-12824 Mar 14 j 15:40	21° ♄ 32'46	0°44'01
max. Earth dist.	-12825 Apr 05 j 16:46	17° ☿ 02'16	1.36363 AU	minimum elong	-12824 Mar 14 j 13:48	21° ♄ 23'04	0°42'52
evening rise	-12825 Apr 09 j 21:59	24° ☿ 57'58		max. Earth dist.	-12824 Mar 18 j 06:41	28° ♄ 58'29	1.34968 AU
	-12825 Apr 12 j 16:50	0° ☿			-12824 Mar 18 j 18:55	0° ☿	
	-12825 May 01 j 12:45	0° ♄		evening rise	-12824 Mar 23 j 00:16	8° ☿ 16'43	
desc. node	-12825 May 11 j 10:25	12° ♄ 48'11			-12824 Apr 04 j 07:08	0° ☿	
evening max el	-12825 May 15 j 16:46	17° ♄ 24'17	25°59'25		-12824 Apr 26 j 10:46	0° ♄	
retrograde	-12825 May 28 j 03:58	24° ♄ 39'35		evening max el	-12824 Apr 27 j 03:29	0° ♄ 41'48	26°54'21
evening set	-12825 Jun 03 j 10:16	21° ♄ 57'10		desc. node	-12824 Apr 27 j 07:50	0° ♄ 52'28	
min. Earth dist.	-12825 Jun 07 j 14:12	17° ♄ 20'45	0.66277 AU	retrograde	-12824 May 10 j 07:30	8° ♄ 12'09	
inferior conj	-12825 Jun 08 j 21:06	15° ♄ 42'02	-2°47'33	evening set	-12824 May 17 j 00:19	5° ♄ 25'48	
minimum elong	-12825 Jun 08 j 23:14	15° ♄ 35'14	2°47'20	min. Earth dist.	-12824 May 20 j 21:10	1° ♄ 27'57	0.65236 AU
morning rise	-12825 Jun 14 j 12:15	9° ♄ 48'29			-12824 May 22 j 02:52	30° ♄	
direct	-12825 Jun 17 j 21:18	8° ♄ 42'26		inferior conj	-12824 May 22 j 18:17	29° ☿ 13'57	-3°09'53
asc. node	-12825 Jun 19 j 21:27	9° ♄ 04'31		minimum elong	-12824 May 22 j 19:54	29° ☿ 09'09	3°10'08
morning max el	-12825 Jun 24 j 23:33	12° ♄ 45'44	19°18'18	morning rise	-12824 May 28 j 15:47	23° ☿ 35'03	
	-12825 Jul 07 j 13:15	0° ♄		direct	-12824 May 31 j 17:52	22° ☿ 42'01	
morning set	-12825 Jul 18 j 06:00	16° ♄ 47'11		asc. node	-12824 Jun 05 j 18:08	24° ☿ 51'44	
	-12825 Jul 26 j 14:57	0° ♄		morning max el	-12824 Jun 07 j 09:02	26° ☿ 21'07	18°35'34
max. Earth dist.	-12825 Aug 01 j 13:46	9° ♄ 24'40	1.44460 AU		-12824 Jun 10 j 12:12	0° ♄	
				morning set	-12824 Jun 27 j 12:22	26° ♄ 32'32	
superior conj	-12825 Aug 03 j 12:41	12° ♄ 30'50	0°21'58		-12824 Jun 29 j 15:12	0° ♄	
minimum elong	-12825 Aug 03 j 15:19	12° ♄ 41'20	0°22'13				
desc. node	-12825 Aug 07 j 06:26	18° ♄ 28'36		superior conj	-12824 Jul 12 j 12:47	20° ♄ 44'28	1°04'15
	-12825 Aug 14 j 09:53	0° ♄		minimum elong	-12824 Jul 12 j 19:12	21° ♄ 09'56	1°03'53
evening rise	-12825 Aug 18 j 16:35	6° ♄ 59'28		max. Earth dist.	-12824 Jul 14 j 06:41	23° ♄ 30'40	1.44519 AU
	-12825 Sep 02 j 02:38	0° ☿			-12824 Jul 18 j 09:07	0° ♄	
evening max el	-12825 Sep 07 j 09:28	6° ☿ 38'11	18°35'04	desc. node	-12824 Jul 24 j 03:55	9° ♄ 07'43	
retrograde	-12825 Sep 14 j 01:45	10° ☿ 20'32		evening rise	-12824 Jul 29 j 00:38	16° ♄ 48'24	
asc. node	-12825 Sep 15 j 22:22	10° ☿ 01'18			-12824 Aug 06 j 09:45	0° ♄	
evening set	-12825 Sep 16 j 23:18	9° ☿ 34'01		evening max el	-12824 Aug 20 j 20:02	20° ♄ 09'09	19°14'52
inferior conj	-12825 Sep 23 j 00:35	3° ☿ 55'20	2°05'58	retrograde	-12824 Aug 27 j 20:50	24° ♄ 09'25	
minimum elong	-12825 Sep 22 j 21:44	4° ☿ 03'42	2°05'50	evening set	-12824 Aug 31 j 02:27	23° ♄ 09'03	
min. Earth dist.	-12825 Sep 24 j 21:26	1° ☿ 44'14	0.64602 AU	asc. node	-12824 Sep 01 j 19:21	21° ♄ 50'27	
	-12825 Sep 26 j 11:09	30° ♄		inferior conj	-12824 Sep 05 j 19:45	17° ♄ 17'21	1°13'55

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12824 Sep 05 j 18:04	17° Π 22'43	1°14'06	min. Earth dist.	-12823 Aug 21 j 17:53	29° \mathcal{B} 35'52	0.66507 AU
min. Earth dist.	-12824 Sep 07 j 04:21	15° Π 34'36	0.65704 AU	morning rise	-12823 Aug 26 j 06:36	24° \mathcal{B} 25'31	
morning rise	-12824 Sep 11 j 09:17	11° Π 00'38		direct	-12823 Aug 31 j 20:49	22° \mathcal{B} 02'57	
direct	-12824 Sep 17 j 13:24	8° Π 24'48		morning max el	-12823 Sep 12 j 13:38	29° \mathcal{B} 00'29	24°59'55
morning max el	-12824 Sep 30 j 03:36	15° Π 44'37	26°11'57		-12823 Sep 13 j 12:49	0° Π	
	-12824 Oct 12 j 01:14	0° \mathcal{E}			-12823 Oct 05 j 20:49	0° \mathcal{E}	
desc. node	-12824 Oct 20 j 02:22	11° \mathcal{E} 37'54		desc. node	-12823 Oct 06 j 23:11	1° \mathcal{E} 42'55	
	-12824 Oct 31 j 07:32	0° \mathcal{O}		morning set	-12823 Oct 18 j 10:49	20° \mathcal{E} 50'50	
morning set	-12824 Nov 05 j 02:18	8° \mathcal{O} 37'37		max. Earth dist.	-12823 Oct 22 j 08:52	27° \mathcal{E} 55'07	1.37464 AU
max. Earth dist.	-12824 Nov 09 j 05:52	16° \mathcal{O} 30'59	1.35736 AU		-12823 Oct 23 j 11:50	0° \mathcal{O}	
superior conj	-12824 Nov 14 j 03:18	26° \mathcal{O} 16'20	-1°34'26	superior conj	-12823 Oct 28 j 16:54	9° \mathcal{O} 57'25	-1°36'08
minimum elong	-12824 Nov 14 j 04:10	26° \mathcal{O} 20'42	1°33'56	minimum elong	-12823 Oct 28 j 16:25	9° \mathcal{O} 55'03	1°35'29
	-12824 Nov 15 j 23:00	0° \mathcal{N}		evening rise	-12823 Nov 05 j 23:01	26° \mathcal{O} 25'33	
evening rise	-12824 Nov 21 j 19:29	12° \mathcal{N} 05'38			-12823 Nov 07 j 18:10	0° \mathcal{N}	
asc. node	-12824 Nov 28 j 17:40	25° \mathcal{N} 35'35		asc. node	-12823 Nov 15 j 15:04	14° \mathcal{N} 21'46	
	-12824 Dec 01 j 06:47	0° \mathcal{A}		evening max el	-12823 Nov 23 j 03:37	24° \mathcal{N} 07'21	19°24'30
evening max el	-12824 Dec 10 j 13:35	12° \mathcal{A} 09'37	20°30'13	retrograde	-12823 Dec 02 j 08:02	28° \mathcal{N} 28'40	
retrograde	-12824 Dec 21 j 05:58	17° \mathcal{A} 10'33		evening set	-12823 Dec 04 j 20:40	28° \mathcal{N} 10'22	
evening set	-12824 Dec 23 j 22:42	16° \mathcal{A} 52'42		inferior conj	-12823 Dec 13 j 02:34	23° \mathcal{N} 59'27	4°06'53
inferior conj	-12823 Jan 01 j 15:56	12° \mathcal{A} 52'38	3°18'54	minimum elong	-12823 Dec 13 j 05:25	23° \mathcal{N} 54'41	4°06'43
minimum elong	-12823 Jan 01 j 21:35	12° \mathcal{A} 44'13	3°17'32	min. Earth dist.	-12823 Dec 15 j 19:34	22° \mathcal{N} 11'49	0.57007 AU
min. Earth dist.	-12823 Jan 03 j 06:04	11° \mathcal{A} 55'57	0.55864 AU	morning rise	-12823 Dec 21 j 12:05	19° \mathcal{N} 11'28	
morning rise	-12823 Jan 10 j 18:59	8° \mathcal{A} 28'36		direct	-12823 Dec 26 j 11:09	18° \mathcal{N} 15'07	
direct	-12823 Jan 14 j 09:32	8° \mathcal{A} 00'00		desc. node	-12822 Jan 03 j 01:11	20° \mathcal{N} 26'12	
desc. node	-12823 Jan 16 j 04:39	8° \mathcal{A} 07'19		morning max el	-12822 Jan 09 j 09:12	25° \mathcal{N} 16'50	24°43'32
morning max el	-12823 Jan 27 j 18:13	14° \mathcal{A} 35'05	23°07'20		-12822 Jan 13 j 18:38	0° \mathcal{A}	
	-12823 Feb 08 j 13:56	0° \mathcal{M}			-12822 Feb 01 j 06:21	0° \mathcal{M}	
morning set	-12823 Feb 19 j 16:42	21° \mathcal{M} 00'07		morning set	-12822 Feb 04 j 05:13	6° \mathcal{M} 04'52	
	-12823 Feb 23 j 22:29	0° \mathcal{J}					
asc. node	-12823 Feb 24 j 14:56	1° \mathcal{J} 28'01		superior conj	-12822 Feb 11 j 04:57	21° \mathcal{M} 06'32	-0°02'51
superior conj	-12823 Feb 26 j 20:08	6° \mathcal{J} 12'10	0°20'33	minimum elong	-12822 Feb 11 j 05:05	21° \mathcal{M} 07'18	0°03'28
minimum elong	-12823 Feb 26 j 19:17	6° \mathcal{J} 07'37	0°19'37	behind sun begin	-12822 Feb 11 j 00:06	20° \mathcal{M} 40'19	
max. Earth dist.	-12823 Mar 01 j 06:34	11° \mathcal{J} 20'53	1.33922 AU	behind sun end	-12822 Feb 11 j 10:05	21° \mathcal{M} 34'16	
evening rise	-12823 Mar 06 j 15:02	22° \mathcal{J} 15'59		asc. node	-12822 Feb 11 j 12:12	21° \mathcal{M} 45'43	
	-12823 Mar 10 j 15:27	0° \mathcal{Z}		max. Earth dist.	-12822 Feb 12 j 14:13	24° \mathcal{M} 06'03	1.33220 AU
	-12823 Mar 29 j 01:44	0° \mathcal{A}			-12822 Feb 15 j 08:39	0° \mathcal{J}	
evening max el	-12823 Apr 09 j 13:57	13° \mathcal{A} 45'05	27°23'59	evening rise	-12822 Feb 18 j 14:31	6° \mathcal{J} 42'57	
desc. node	-12823 Apr 14 j 05:07	17° \mathcal{A} 44'22			-12822 Mar 03 j 05:17	0° \mathcal{Z}	
retrograde	-12823 Apr 23 j 05:29	21° \mathcal{A} 20'57		evening max el	-12822 Mar 22 j 22:11	26° \mathcal{Z} 22'54	27°23'01
evening set	-12823 Apr 30 j 03:26	18° \mathcal{A} 42'38			-12822 Mar 27 j 02:53	0° \mathcal{A}	
min. Earth dist.	-12823 May 03 j 20:01	15° \mathcal{A} 18'10	0.63803 AU	desc. node	-12822 Apr 01 j 02:17	2° \mathcal{A} 55'39	
inferior conj	-12823 May 06 j 07:48	12° \mathcal{A} 36'50	-3°20'58	retrograde	-12822 Apr 05 j 21:09	3° \mathcal{A} 57'08	
minimum elong	-12823 May 06 j 08:20	12° \mathcal{A} 35'22	3°21'34	evening set	-12822 Apr 12 j 16:24	1° \mathcal{A} 40'07	
morning rise	-12823 May 12 j 14:05	7° \mathcal{A} 14'48			-12822 Apr 14 j 21:20	30° \mathcal{R} \mathcal{Z}	
direct	-12823 May 15 j 10:25	6° \mathcal{A} 33'08		min. Earth dist.	-12822 Apr 16 j 10:01	28° \mathcal{Z} 38'52	0.62029 AU
morning max el	-12823 May 21 j 21:57	9° \mathcal{A} 58'26	18°10'06	inferior conj	-12822 Apr 19 j 10:36	25° \mathcal{Z} 44'36	-3°17'05
asc. node	-12823 May 23 j 14:50	11° \mathcal{A} 50'06		minimum elong	-12822 Apr 19 j 09:35	25° \mathcal{Z} 47'04	3°17'47
	-12823 Jun 04 j 11:13	0° \mathcal{H}		morning rise	-12822 Apr 26 j 04:24	20° \mathcal{Z} 41'06	
morning set	-12823 Jun 08 j 19:53	7° \mathcal{H} 27'20		direct	-12822 Apr 28 j 19:49	20° \mathcal{Z} 09'18	
				morning max el	-12822 May 05 j 11:51	23° \mathcal{Z} 32'04	18°02'49
superior conj	-12823 Jun 22 j 00:11	29° \mathcal{H} 32'00	1°34'11	asc. node	-12822 May 10 j 11:36	29° \mathcal{Z} 44'32	
minimum elong	-12823 Jun 22 j 05:28	29° \mathcal{H} 53'31	1°33'51		-12822 May 10 j 15:48	0° \mathcal{A}	
	-12823 Jun 22 j 07:03	0° \mathcal{Y}		morning set	-12822 May 22 j 02:08	19° \mathcal{A} 27'28	
max. Earth dist.	-12823 Jun 26 j 21:33	7° \mathcal{Y} 26'15	1.43882 AU		-12822 May 28 j 00:19	0° \mathcal{H}	
evening rise	-12823 Jul 08 j 08:20	25° \mathcal{Y} 28'48		superior conj	-12822 Jun 02 j 12:39	9° \mathcal{H} 33'23	1°47'41
desc. node	-12823 Jul 11 j 01:28	29° \mathcal{Y} 41'07		minimum elong	-12822 Jun 02 j 14:09	9° \mathcal{H} 39'47	1°47'21
	-12823 Jul 11 j 06:21	0° \mathcal{B}		max. Earth dist.	-12822 Jun 09 j 07:38	20° \mathcal{H} 54'20	1.42645 AU
	-12823 Jul 31 j 20:22	0° Π			-12822 Jun 14 j 22:53	0° \mathcal{Y}	
evening max el	-12823 Aug 04 j 01:14	3° Π 38'01	20°10'20	evening rise	-12822 Jun 17 j 08:37	3° \mathcal{Y} 48'14	
retrograde	-12823 Aug 11 j 17:33	8° Π 05'40		desc. node	-12822 Jun 27 j 23:04	20° \mathcal{Y} 04'55	
evening set	-12823 Aug 15 j 09:23	6° Π 48'14			-12822 Jul 04 j 17:02	0° \mathcal{B}	
asc. node	-12823 Aug 19 j 16:15	2° Π 19'55		evening max el	-12822 Jul 17 j 23:39	17° \mathcal{B} 02'53	21°19'19
inferior conj	-12823 Aug 20 j 20:37	0° Π 46'38	0°22'02	retrograde	-12822 Jul 26 j 13:52	22° \mathcal{B} 06'32	
minimum elong	-12823 Aug 20 j 20:07	0° Π 48'19	0°22'34	evening set	-12822 Jul 30 j 17:56	20° \mathcal{B} 29'17	
	-12823 Aug 21 j 10:37	30° \mathcal{R} \mathcal{B}		inferior conj	-12822 Aug 05 j 01:05	14° \mathcal{B} 20'44	-0°27'45

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12822 Aug 05 j 01:39	14° 8 18'47	0°26'56	inferior conj	-12821 Jul 20 j 07:15	27° 9 57'02	-1°13'59
min. Earth dist.	-12822 Aug 05 j 11:42	13° 8 44'17	0.67018 AU	minimum elong	-12821 Jul 20 j 08:40	27° 9 52'07	1°13'05
asc. node	-12822 Aug 06 j 13:04	12° 8 18'20		min. Earth dist.	-12821 Jul 20 j 07:14	27° 9 57'04	0.67237 AU
morning rise	-12822 Aug 10 j 09:12	7° 8 59'17		asc. node	-12821 Jul 24 j 09:52	22° 9 46'41	
direct	-12822 Aug 15 j 09:26	5° 8 53'30		morning rise	-12821 Jul 25 j 15:09	21° 9 39'15	
morning max el	-12822 Aug 25 j 23:55	12° 8 16'21	23°37'55	direct	-12821 Jul 30 j 02:18	19° 9 51'28	
	-12822 Sep 09 j 03:51	0° II		morning max el	-12821 Aug 08 j 12:49	25° 9 32'10	22°14'28
desc. node	-12822 Sep 23 j 20:11	22° II 04'09			-12821 Aug 12 j 11:54	0° 8	
	-12822 Sep 28 j 17:00	0° 8			-12821 Sep 02 j 17:03	0° II	
morning set	-12822 Sep 29 j 20:17	1° 8 53'59		morning set	-12821 Sep 10 j 03:29	11° II 40'12	
max. Earth dist.	-12822 Oct 04 j 07:41	9° 8 33'53	1.39420 AU	desc. node	-12821 Sep 10 j 17:18	12° II 35'43	
				max. Earth dist.	-12821 Sep 16 j 09:13	21° II 53'35	1.41353 AU
					-12821 Sep 21 j 03:28	0° 8	
superior conj	-12822 Oct 11 j 16:53	22° 8 53'57	-1°29'35				
minimum elong	-12822 Oct 11 j 14:41	22° 8 43'41	1°28'42				
	-12822 Oct 15 j 11:05	0° 8		superior conj	-12821 Sep 23 j 21:59	4° 8 51'00	-1°12'41
evening rise	-12822 Oct 20 j 19:41	10° 8 20'41		minimum elong	-12821 Sep 23 j 18:17	4° 8 34'39	1°11'31
	-12822 Oct 31 j 19:45	0° 8		evening rise	-12821 Oct 04 j 06:19	23° 8 42'48	
asc. node	-12822 Nov 02 j 12:25	2° 8 24'32			-12821 Oct 07 j 15:59	0° 8	
evening max el	-12822 Nov 06 j 03:33	6° 8 37'52	18°38'39	asc. node	-12821 Oct 20 j 09:42	19° 8 30'32	
retrograde	-12822 Nov 14 j 02:52	10° 8 31'06		evening max el	-12821 Oct 20 j 11:06	19° 8 33'59	18°13'06
evening set	-12822 Nov 16 j 14:01	10° 8 10'10		retrograde	-12821 Oct 27 j 14:53	23° 8 11'34	
inferior conj	-12822 Nov 24 j 07:26	5° 8 40'07	4°16'37	evening set	-12821 Oct 30 j 02:14	22° 8 46'24	
minimum elong	-12822 Nov 24 j 06:33	5° 8 41'48	4°16'57	inferior conj	-12821 Nov 06 j 07:10	17° 8 54'34	3°57'56
min. Earth dist.	-12822 Nov 27 j 11:32	3° 8 15'35	0.58653 AU	minimum elong	-12821 Nov 06 j 03:56	18° 8 01'39	3°58'03
morning rise	-12822 Dec 01 j 21:12	0° 8 29'42		min. Earth dist.	-12821 Nov 09 j 09:08	15° 8 12'48	0.60487 AU
	-12822 Dec 02 j 23:18	30° 8 8		morning rise	-12821 Nov 13 j 04:13	12° 8 24'22	
direct	-12822 Dec 08 j 00:46	28° 8 56'15		direct	-12821 Nov 20 j 00:33	10° 8 16'35	
	-12822 Dec 13 j 04:09	0° 8		morning max el	-12821 Dec 03 j 23:22	17° 8 38'38	27°06'56
desc. node	-12822 Dec 20 j 21:43	5° 8 06'55		desc. node	-12821 Dec 07 j 18:17	21° 8 36'43	
morning max el	-12822 Dec 22 j 01:24	6° 8 10'56	26°07'53		-12821 Dec 14 j 09:28	0° 8	
	-12821 Jan 08 j 16:05	0° 8			-12820 Jan 01 j 02:44	0° 8	
morning set	-12821 Jan 19 j 17:00	21° 8 07'58		morning set	-12820 Jan 04 j 02:11	6° 8 02'45	
	-12821 Jan 23 j 20:30	0° 8		max. Earth dist.	-12820 Jan 10 j 15:53	20° 8 06'20	1.32808 AU
superior conj	-12821 Jan 26 j 16:11	6° 8 08'56	-0°25'14	superior conj	-12820 Jan 11 j 04:07	21° 8 13'07	-0°45'58
minimum elong	-12821 Jan 26 j 17:11	6° 8 14'24	0°25'33	minimum elong	-12820 Jan 11 j 05:45	21° 8 22'01	0°45'59
max. Earth dist.	-12821 Jan 27 j 02:30	7° 8 05'15	1.32850 AU		-12820 Jan 15 j 04:56	0° 8	
asc. node	-12821 Jan 29 j 09:32	12° 8 04'19		asc. node	-12820 Jan 16 j 06:56	2° 8 19'35	
evening rise	-12821 Feb 02 j 19:56	21° 8 28'07		evening rise	-12820 Jan 18 j 05:04	6° 8 23'39	
	-12821 Feb 07 j 02:02	0° 8			-12820 Jan 30 j 19:14	0° 8	
	-12821 Feb 25 j 14:47	0° 8		evening max el	-12820 Feb 15 j 00:42	19° 8 54'25	25°45'23
evening max el	-12821 Mar 05 j 02:12	8° 8 26'47	26°49'15	retrograde	-12820 Feb 29 j 02:34	27° 8 07'00	
desc. node	-12821 Mar 18 j 23:20	15° 8 53'07		desc. node	-12820 Mar 04 j 20:16	26° 8 12'48	
retrograde	-12821 Mar 19 j 04:54	15° 8 53'15		evening set	-12820 Mar 05 j 13:12	25° 8 55'47	
evening set	-12821 Mar 25 j 12:08	14° 8 07'51		min. Earth dist.	-12820 Mar 10 j 14:13	23° 8 00'17	0.58144 AU
min. Earth dist.	-12821 Mar 29 j 15:36	11° 8 16'15	0.60065 AU	inferior conj	-12820 Mar 13 j 18:01	20° 8 42'59	-2°03'13
inferior conj	-12821 Apr 01 j 23:10	8° 8 29'28	-2°53'05	minimum elong	-12820 Mar 13 j 14:40	20° 8 49'06	2°03'14
minimum elong	-12821 Apr 01 j 20:31	8° 8 35'05	2°53'29	morning rise	-12820 Mar 21 j 19:18	16° 8 18'10	
morning rise	-12821 Apr 09 j 07:26	3° 8 45'23		direct	-12820 Mar 24 j 01:46	16° 8 01'21	
direct	-12821 Apr 11 j 18:17	3° 8 21'56		morning max el	-12820 Apr 01 j 07:29	19° 8 57'40	18°45'13
morning max el	-12821 Apr 19 j 00:00	6° 8 54'35	18°14'19		-12820 Apr 08 j 21:56	0° 8	
asc. node	-12821 Apr 27 j 08:28	18° 8 22'16		asc. node	-12820 Apr 13 j 05:24	7° 8 33'26	
	-12821 May 03 j 19:53	0° 8		morning set	-12820 Apr 17 j 16:09	16° 8 01'19	
morning set	-12821 May 05 j 02:25	2° 8 22'20			-12820 Apr 24 j 21:38	0° 8	
superior conj	-12821 May 15 j 03:24	20° 8 53'06	1°46'53	superior conj	-12820 Apr 26 j 15:58	3° 8 20'30	1°35'53
minimum elong	-12821 May 15 j 01:53	20° 8 46'14	1°46'18	minimum elong	-12820 Apr 26 j 13:04	3° 8 06'50	1°34'58
	-12821 May 20 j 07:47	0° 8		max. Earth dist.	-12820 May 03 j 13:11	15° 8 55'56	1.39128 AU
max. Earth dist.	-12821 May 22 j 12:17	3° 8 44'27	1.40985 AU	evening rise	-12820 May 07 j 18:50	23° 8 17'57	
evening rise	-12821 May 28 j 00:15	12° 8 52'39			-12820 May 11 j 18:50	0° 8	
	-12821 Jun 07 j 22:13	0° 9		desc. node	-12820 May 31 j 18:14	0° 9 01'50	
desc. node	-12821 Jun 14 j 20:41	10° 9 13'52			-12820 May 31 j 17:42	0° 9	
	-12821 Jun 30 j 06:11	0° 8		evening max el	-12820 Jun 12 j 02:33	13° 9 43'03	24°00'35
evening max el	-12821 Jun 30 j 15:24	0° 8 23'32	22°38'05	retrograde	-12820 Jun 22 j 23:19	20° 9 09'42	
retrograde	-12821 Jul 10 j 08:09	6° 8 08'45		evening set	-12820 Jun 28 j 07:59	17° 9 50'24	
evening set	-12821 Jul 15 j 02:05	4° 8 10'08		min. Earth dist.	-12820 Jul 03 j 02:12	12° 9 13'05	0.67144 AU
	-12821 Jul 18 j 19:17	30° 8 9		inferior conj	-12820 Jul 03 j 13:23	11° 9 34'52	-1°55'22

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12820 Jul 03 j 15:22	11° Υ 28'04	1°54'35			-12819 Jun 13 j 21:21	30° κ	
morning rise	-12820 Jul 08 j 22:43	5° Υ 24'14		min. Earth dist.	-12819 Jun 16 j 18:14	26° κ 29'46	0.66701 AU	
asc. node	-12820 Jul 10 j 06:38	4° Υ 33'39		inferior conj	-12819 Jun 17 j 17:39	25° κ 12'35	-2°30'38	
direct	-12820 Jul 12 j 22:16	3° Υ 54'01		minimum elong	-12819 Jun 17 j 19:51	25° κ 05'20	2°30'10	
morning max el	-12820 Jul 21 j 06:59	8° Υ 52'19	20°56'48	morning rise	-12819 Jun 23 j 06:09	19° κ 12'10		
	-12820 Aug 06 j 03:12	0° \mathcal{B}		direct	-12819 Jun 26 j 19:55	17° κ 58'00		
morning set	-12820 Aug 19 j 13:08	20° \mathcal{B} 26'32		asc. node	-12819 Jun 27 j 03:21	17° κ 58'32		
	-12820 Aug 25 j 14:19	0° Π		morning max el	-12819 Jul 04 j 07:39	22° κ 19'16	19°50'11	
desc. node	-12820 Aug 27 j 14:31	3° Π 13'40			-12819 Jul 10 j 13:15	0° Υ		
max. Earth dist.	-12820 Aug 28 j 16:57	5° Π 00'38	1.42988 AU	morning set	-12819 Jul 29 j 17:02	28° Υ 58'40		
					-12819 Jul 30 j 08:45	0° \mathcal{B}		
superior conj	-12820 Sep 04 j 02:24	15° Π 33'47	-0°43'47	max. Earth dist.	-12819 Aug 11 j 06:04	18° \mathcal{B} 43'27	1.44100 AU	
minimum elong	-12820 Sep 03 j 22:48	15° Π 18'42	0°42'33	desc. node	-12819 Aug 14 j 11:51	23° \mathcal{B} 54'42		
	-12820 Sep 12 j 12:07	0° \mathcal{B}						
evening rise	-12820 Sep 16 j 02:50	6° \mathcal{B} 22'15		superior conj	-12819 Aug 15 j 03:13	24° \mathcal{B} 56'35	-0°03'50	
	-12820 Sep 30 j 12:45	0° Ω		minimum elong	-12819 Aug 15 j 02:51	24° \mathcal{B} 55'08	0°03'06	
evening max el	-12820 Oct 02 j 23:16	2° Ω 47'50	18°07'09	behind sun begin	-12819 Aug 14 j 16:11	24° \mathcal{B} 12'08		
asc. node	-12820 Oct 06 j 06:56	5° Ω 24'11		behind sun end	-12819 Aug 15 j 13:32	25° \mathcal{B} 38'11		
retrograde	-12820 Oct 09 j 16:39	6° Ω 20'28			-12819 Aug 18 j 06:08	0° Π		
evening set	-12820 Oct 12 j 06:06	5° Ω 49'11		evening rise	-12819 Aug 29 j 03:59	18° Π 06'17		
inferior conj	-12820 Oct 18 j 23:15	0° Ω 36'50	3°21'27		-12819 Sep 05 j 05:53	0° \mathcal{B}		
minimum elong	-12820 Oct 18 j 19:23	0° Ω 46'30	3°21'15	evening max el	-12819 Sep 16 j 13:05	16° \mathcal{B} 12'50	18°19'48	
	-12820 Oct 19 j 13:56	30° κ		retrograde	-12819 Sep 23 j 03:51	19° \mathcal{B} 49'30		
min. Earth dist.	-12820 Oct 21 j 15:41	27° \mathcal{B} 56'31	0.62257 AU	asc. node	-12819 Sep 23 j 04:04	19° \mathcal{B} 49'30		
morning rise	-12820 Oct 25 j 07:35	24° \mathcal{B} 49'08		evening set	-12819 Sep 25 j 21:42	19° \mathcal{B} 09'32		
direct	-12820 Nov 01 j 08:47	22° \mathcal{B} 17'43		inferior conj	-12819 Oct 02 j 04:20	13° \mathcal{B} 39'37	2°35'04	
morning max el	-12820 Nov 15 j 03:46	29° \mathcal{B} 46'12	27°32'47	minimum elong	-12819 Oct 02 j 00:56	13° \mathcal{B} 49'05	2°34'50	
	-12820 Nov 15 j 09:27	0° Ω		min. Earth dist.	-12819 Oct 04 j 08:30	11° \mathcal{B} 14'51	0.63817 AU	
desc. node	-12820 Nov 23 j 14:51	9° Ω 25'24		morning rise	-12819 Oct 08 j 03:21	7° \mathcal{B} 37'33		
	-12820 Dec 07 j 05:53	0° \mathcal{M}		direct	-12819 Oct 15 j 00:32	4° \mathcal{B} 55'24		
morning set	-12820 Dec 18 j 06:36	20° \mathcal{M} 41'00		morning max el	-12819 Oct 28 j 12:32	12° \mathcal{B} 27'36	27°24'17	
	-12820 Dec 22 j 17:48	0° Ω		desc. node	-12819 Nov 10 j 11:28	28° \mathcal{B} 10'20		
max. Earth dist.	-12820 Dec 24 j 02:33	2° Ω 55'22	1.33113 AU		-12819 Nov 11 j 18:08	0° Ω		
					-12819 Nov 29 j 15:11	0° \mathcal{M}		
superior conj	-12820 Dec 25 j 15:01	6° Ω 12'17	-1°04'19	morning set	-12819 Dec 02 j 03:41	4° \mathcal{M} 53'59		
minimum elong	-12820 Dec 25 j 16:58	6° Ω 22'53	1°04'07	max. Earth dist.	-12819 Dec 07 j 06:41	15° \mathcal{M} 20'07	1.33799 AU	
evening rise	-12819 Jan 01 j 16:02	21° Ω 21'59						
asc. node	-12819 Jan 02 j 04:20	22° Ω 26'27		superior conj	-12819 Dec 09 j 23:05	21° \mathcal{M} 00'08	-1°19'29	
	-12819 Jan 05 j 21:44	0° \mathcal{M}		minimum elong	-12819 Dec 10 j 00:59	21° \mathcal{M} 10'17	1°19'08	
	-12819 Jan 25 j 20:37	0° \mathcal{A}			-12819 Dec 14 j 03:59	0° Ω		
evening max el	-12819 Jan 26 j 18:38	0° \mathcal{A} 53'27	24°19'57	evening rise	-12819 Dec 17 j 03:09	6° Ω 17'08		
retrograde	-12819 Feb 09 j 12:28	7° \mathcal{A} 43'00		asc. node	-12819 Dec 20 j 01:45	12° Ω 19'45		
evening set	-12819 Feb 13 j 21:50	6° \mathcal{A} 59'48			-12819 Dec 29 j 23:49	0° \mathcal{M}		
desc. node	-12819 Feb 19 j 17:07	4° \mathcal{A} 11'08		evening max el	-12818 Jan 08 j 12:18	11° \mathcal{M} 45'18	22°45'53	
min. Earth dist.	-12819 Feb 20 j 08:04	3° \mathcal{A} 48'09	0.56567 AU	retrograde	-12818 Jan 21 j 10:34	17° \mathcal{M} 58'26		
inferior conj	-12819 Feb 22 j 17:03	2° \mathcal{A} 17'53	-0°44'39	evening set	-12818 Jan 24 j 21:19	17° \mathcal{M} 32'23		
minimum elong	-12819 Feb 22 j 15:20	2° \mathcal{A} 20'36	0°44'52	min. Earth dist.	-12818 Feb 01 j 23:33	13° \mathcal{M} 51'58	0.55634 AU	
	-12819 Feb 26 j 13:33	30° κ \mathcal{M}		inferior conj	-12818 Feb 02 j 22:48	13° \mathcal{M} 18'10	0°55'08	
morning rise	-12819 Mar 03 j 11:48	28° \mathcal{M} 08'51		minimum elong	-12818 Feb 03 j 01:06	13° \mathcal{M} 14'50	0°53'51	
direct	-12819 Mar 05 j 15:15	27° \mathcal{M} 56'18		desc. node	-12818 Feb 06 j 13:51	11° \mathcal{M} 17'18		
	-12819 Mar 12 j 03:16	0° \mathcal{A}		morning rise	-12818 Feb 12 j 06:15	9° \mathcal{M} 14'28		
morning max el	-12819 Mar 15 j 07:14	2° \mathcal{A} 30'59	19°35'52	direct	-12818 Feb 14 j 12:44	9° \mathcal{M} 02'13		
asc. node	-12819 Mar 31 j 02:22	27° \mathcal{A} 09'11		morning max el	-12818 Feb 25 j 20:35	14° \mathcal{M} 26'26	20°45'48	
morning set	-12819 Apr 01 j 15:27	0° \mathcal{B} 13'11			-12818 Mar 09 j 04:27	0° \mathcal{A}		
	-12819 Apr 01 j 12:49	0° \mathcal{B}		morning set	-12818 Mar 16 j 21:18	14° \mathcal{A} 49'11		
				asc. node	-12818 Mar 17 j 23:24	17° \mathcal{A} 03'05		
superior conj	-12819 Apr 09 j 20:49	16° \mathcal{B} 39'54	1°18'24		-12818 Mar 24 j 05:59	0° \mathcal{B}		
minimum elong	-12819 Apr 09 j 17:49	16° \mathcal{B} 25'06	1°17'15					
max. Earth dist.	-12819 Apr 15 j 14:33	27° \mathcal{B} 40'18	1.37308 AU	superior conj	-12818 Mar 24 j 13:27	0° \mathcal{B} 38'08	0°57'11	
	-12819 Apr 16 j 20:41	0° \approx		minimum elong	-12818 Mar 24 j 11:03	0° \mathcal{B} 25'56	0°55'58	
evening rise	-12819 Apr 19 j 15:20	5° \approx 02'33		max. Earth dist.	-12818 Mar 28 j 22:25	9° \mathcal{B} 24'01	1.35729 AU	
	-12819 May 04 j 17:56	0° \mathcal{H}		evening rise	-12818 Apr 02 j 08:23	17° \mathcal{B} 51'51		
desc. node	-12819 May 18 j 15:46	19° \mathcal{H} 19'57			-12818 Apr 09 j 02:38	0° \approx		
evening max el	-12819 May 25 j 12:02	27° \mathcal{H} 03'30	25°19'14		-12818 Apr 28 j 22:03	0° \mathcal{H}		
	-12819 May 28 j 17:02	0° Υ		desc. node	-12818 May 05 j 13:13	7° \mathcal{H} 55'52		
retrograde	-12819 Jun 06 j 10:38	4° Υ 04'46		evening max el	-12818 May 07 j 22:04	10° \mathcal{H} 23'35	26°25'21	
evening set	-12819 Jun 12 j 09:35	1° Υ 28'34		retrograde	-12818 May 20 j 17:23	17° \mathcal{H} 47'32		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12818 May 27 j 04:37	15° H 01'55			-12817 May 08 j 07:07	30° R \approx		
min. Earth dist.	-12818 May 31 j 05:11	10° H 42'14	0.65881 AU	evening set	-12817 May 10 j 14:26	28° \approx 26'47		
inferior conj	-12818 Jun 01 j 18:05	8° H 47'36	-2°58'16	min. Earth dist.	-12817 May 14 j 09:04	24° \approx 43'43	0.64669 AU	
minimum elong	-12818 Jun 01 j 20:03	8° H 41'28	2°58'14	inferior conj	-12817 May 16 j 12:23	22° \approx 16'52	-3°16'13	
morning rise	-12818 Jun 07 j 11:40	3° H 00'04		minimum elong	-12817 May 16 j 13:36	22° \approx 13'20	3°16'37	
direct	-12818 Jun 10 j 17:27	1° H 59'58		morning rise	-12817 May 22 j 13:17	16° \approx 44'38		
asc. node	-12818 Jun 14 j 00:01	2° H 57'28		direct	-12817 May 25 j 12:44	15° \approx 56'40		
morning max el	-12818 Jun 17 j 14:19	5° H 52'07	18°58'02	asc. node	-12817 May 31 j 20:42	19° \approx 16'57		
	-12818 Jul 04 j 08:22	0° Y		morning max el	-12817 Jun 01 j 01:31	19° \approx 28'55	18°22'29	
morning set	-12818 Jul 09 j 10:10	8° Y 07'10			-12817 Jun 08 j 22:37	0° H		
	-12818 Jul 23 j 04:28	0° B		morning set	-12817 Jun 20 j 03:20	18° H 22'15		
					-12817 Jun 27 j 04:12	0° Y		
superior conj	-12818 Jul 25 j 07:04	3° B 20'13	0°40'50	superior conj	-12817 Jul 04 j 09:33	11° Y 41'34	1°18'53	
minimum elong	-12818 Jul 25 j 11:47	3° B 38'52	0°40'46	minimum elong	-12817 Jul 04 j 16:05	12° Y 07'42	1°18'29	
max. Earth dist.	-12818 Jul 24 j 21:53	2° B 43'50	1.44565 AU	max. Earth dist.	-12817 Jul 07 j 13:58	16° Y 46'28	1.44330 AU	
desc. node	-12818 Aug 01 j 09:16	14° B 35'16			-12817 Jul 15 j 23:03	0° B		
evening rise	-12818 Aug 10 j 03:59	28° B 39'12		desc. node	-12817 Jul 19 j 06:48	5° B 12'31		
	-12818 Aug 11 j 00:02	0° II		evening rise	-12817 Jul 21 j 00:35	7° B 55'56		
evening max el	-12818 Aug 31 j 01:36	29° II 42'37	18°50'02	greatest brilliancy	-12817 Aug 01 j 00:45	24° B 59'48	-0.7m	
	-12818 Aug 31 j 08:29	0° B			-12817 Aug 04 j 08:31	0° II		
retrograde	-12818 Sep 06 j 20:50	3° B 31'43		evening max el	-12817 Aug 14 j 10:14	13° II 13'27	19°36'41	
evening set	-12818 Sep 09 j 21:26	2° B 39'55		retrograde	-12817 Aug 21 j 16:46	17° II 23'56		
asc. node	-12818 Sep 10 j 01:06	2° B 34'36		evening set	-12817 Aug 25 j 02:29	16° II 16'44		
	-12818 Sep 13 j 02:57	30° R II		asc. node	-12817 Aug 27 j 22:03	13° II 45'35		
inferior conj	-12818 Sep 15 j 19:08	26° II 55'30	1°44'01	inferior conj	-12817 Aug 30 j 17:00	10° II 20'46	0°51'45	
minimum elong	-12818 Sep 15 j 16:45	27° II 02'44	1°44'00	minimum elong	-12817 Aug 30 j 15:49	10° II 24'36	0°52'05	
min. Earth dist.	-12818 Sep 17 j 10:45	24° II 55'32	0.65102 AU	min. Earth dist.	-12817 Aug 31 j 20:45	8° II 51'05	0.66088 AU	
morning rise	-12818 Sep 21 j 11:29	20° II 42'57		morning rise	-12817 Sep 05 j 04:49	4° II 01'47		
direct	-12818 Sep 27 j 22:57	18° II 01'51		direct	-12817 Sep 11 j 03:17	1° II 30'42		
morning max el	-12818 Oct 10 j 22:46	25° II 29'45	26°45'21	morning max el	-12817 Sep 23 j 08:50	8° II 42'18	25°42'58	
	-12818 Oct 15 j 03:40	0° B			-12817 Oct 10 j 05:48	0° B		
desc. node	-12818 Oct 28 j 08:08	17° B 34'33		desc. node	-12817 Oct 15 j 04:56	7° B 27'09		
	-12818 Nov 05 j 05:01	0° Q			-12817 Oct 28 j 16:25	0° Q		
morning set	-12818 Nov 15 j 14:02	18° Q 30'00		morning set	-12817 Oct 29 j 09:24	1° Q 16'55		
max. Earth dist.	-12818 Nov 20 j 00:57	27° Q 12'25	1.34903 AU	max. Earth dist.	-12817 Nov 02 j 08:42	8° Q 40'10	1.36433 AU	
	-12818 Nov 21 j 10:11	0° M						
superior conj	-12818 Nov 24 j 02:11	5° M 28'40	-1°30'29	superior conj	-12817 Nov 07 j 21:41	19° Q 29'55	-1°36'03	
minimum elong	-12818 Nov 24 j 03:34	5° M 35'53	1°30'03	minimum elong	-12817 Nov 07 j 22:02	19° Q 31'40	1°35'30	
evening rise	-12818 Dec 01 j 12:44	21° M 02'36			-12817 Nov 13 j 01:45	0° M		
	-12818 Dec 05 j 23:35	0° A		evening rise	-12817 Nov 15 j 19:03	5° M 33'19		
asc. node	-12818 Dec 06 j 23:10	1° A 52'52		asc. node	-12817 Nov 23 j 20:36	20° M 58'32		
evening max el	-12818 Dec 21 j 11:13	22° A 52'45	21°16'07		-12817 Nov 29 j 18:47	0° A		
retrograde	-12817 Jan 02 j 01:11	28° A 19'38		evening max el	-12817 Dec 03 j 19:21	4° A 30'33	19°59'57	
evening set	-12817 Jan 04 j 22:06	28° A 00'43		retrograde	-12817 Dec 13 j 19:32	9° A 12'49		
inferior conj	-12817 Jan 13 j 20:27	24° A 01'04	2°33'38	evening set	-12817 Dec 16 j 10:20	8° A 55'00		
minimum elong	-12817 Jan 14 j 02:00	23° A 53'04	2°31'48	inferior conj	-12817 Dec 24 j 23:02	4° A 52'04	3°44'16	
min. Earth dist.	-12817 Jan 14 j 13:38	23° A 36'20	0.55533 AU	minimum elong	-12817 Dec 25 j 03:51	4° A 44'36	3°43'25	
morning rise	-12817 Jan 23 j 05:03	19° A 47'44		min. Earth dist.	-12817 Dec 27 j 02:38	3° A 32'24	0.56273 AU	
desc. node	-12817 Jan 24 j 10:29	19° A 35'04		morning rise	-12816 Jan 02 j 19:28	0° A 18'14		
direct	-12817 Jan 26 j 03:56	19° A 28'22			-12816 Jan 03 j 23:04	30° R M		
morning max el	-12817 Feb 07 j 22:30	25° A 41'38	22°12'27	direct	-12816 Jan 06 j 23:56	29° M 39'19		
	-12817 Feb 11 j 21:39	0° M			-12816 Jan 10 j 00:04	0° A		
morning set	-12817 Mar 01 j 07:19	29° M 42'01		desc. node	-12816 Jan 11 j 07:04	0° A 21'31		
	-12817 Mar 01 j 10:46	0° X		morning max el	-12816 Jan 20 j 15:33	6° A 27'36	23°48'44	
asc. node	-12817 Mar 04 j 20:32	7° X 10'02			-12816 Feb 06 j 08:22	0° M		
				morning set	-12816 Feb 13 j 19:27	14° M 44'19		
superior conj	-12817 Mar 08 j 14:22	15° X 04'50	0°34'07	asc. node	-12816 Feb 19 j 17:45	27° M 25'00		
minimum elong	-12817 Mar 08 j 12:56	14° X 57'15	0°33'03					
max. Earth dist.	-12817 Mar 11 j 16:30	21° X 30'04	1.34482 AU	superior conj	-12816 Feb 20 j 20:55	29° M 51'00	0°10'34	
	-12817 Mar 15 j 22:07	0° B		minimum elong	-12816 Feb 20 j 20:30	29° M 48'45	0°09'46	
evening rise	-12817 Mar 16 j 16:32	1° B 29'48		behind sun begin	-12816 Feb 20 j 16:24	29° M 26'44		
	-12817 Apr 02 j 01:52	0° \approx		behind sun end	-12816 Feb 21 j 00:36	0° X 10'45		
evening max el	-12817 Apr 20 j 09:00	23° \approx 37'04	27°10'28		-12816 Feb 20 j 22:36	0° X		
desc. node	-12817 Apr 22 j 10:34	25° \approx 32'37		max. Earth dist.	-12816 Feb 22 j 20:13	4° X 03'32	1.33585 AU	
	-12817 Apr 28 j 21:59	0° H		evening rise	-12816 Feb 28 j 11:23	15° X 42'04		
retrograde	-12817 May 03 j 18:50	1° H 11'04			-12816 Mar 07 j 00:11	0° B		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12816 Mar 26 j 20:18	0°♊		behind sun begin	-12815 Feb 04 j 04:40	14°♊37'00	
evening max el	-12816 Apr 01 j 19:04	6°♊31'46	27°27'38	behind sun end	-12815 Feb 04 j 10:24	15°♊08'14	
desc. node	-12816 Apr 08 j 07:49	11°♊45'51		max. Earth dist.	-12815 Feb 05 j 06:32	16°♊57'28	1.33022 AU
retrograde	-12816 Apr 15 j 14:05	14°♊06'49		asc. node	-12815 Feb 05 j 15:05	17°♊43'51	
evening set	-12816 Apr 22 j 11:56	11°♊36'22			-12815 Feb 11 j 10:12	0°♊	
min. Earth dist.	-12816 Apr 26 j 04:16	8°♊23'05	0.63086 AU	evening rise	-12815 Feb 11 j 13:44	0°♊18'04	
inferior conj	-12816 Apr 28 j 21:47	5°♊34'27	-3°21'28		-12815 Feb 28 j 03:03	0°♊	
minimum elong	-12816 Apr 28 j 21:43	5°♊34'38	3°22'09	evening max el	-12815 Mar 15 j 01:45	18°♊56'08	27°12'35
morning rise	-12816 May 05 j 08:35	0°♊19'50		desc. node	-12815 Mar 26 j 04:55	26°♊04'53	
	-12816 May 06 j 05:36	30°♋♊		retrograde	-12815 Mar 29 j 02:18	26°♊27'12	
direct	-12816 May 08 j 02:51	29°♋42'24		evening set	-12815 Apr 04 j 17:54	24°♋22'33	
	-12816 May 09 j 23:54	0°♋		min. Earth dist.	-12815 Apr 08 j 14:23	21°♋27'27	0.61214 AU
morning max el	-12816 May 14 j 15:07	3°♋05'05	18°04'41	inferior conj	-12815 Apr 11 j 19:00	18°♋33'42	-3°09'43
asc. node	-12816 May 17 j 17:27	6°♋40'41		minimum elong	-12815 Apr 11 j 17:15	18°♋37'42	3°10'20
morning set	-12816 May 31 j 21:06	29°♋46'18		morning rise	-12815 Apr 18 j 18:36	13°♋38'28	
	-12816 Jun 01 j 00:14	0°♋		direct	-12815 Apr 21 j 08:12	13°♋10'17	
superior conj	-12816 Jun 13 j 06:43	20°♋57'26	1°41'55	morning max el	-12815 Apr 28 j 04:38	16°♋35'12	18°05'23
minimum elong	-12816 Jun 13 j 10:28	21°♋12'59	1°41'35	asc. node	-12815 May 04 j 14:16	24°♋54'59	
	-12816 Jun 18 j 19:09	0°♋			-12815 May 07 j 16:16	0°♋	
max. Earth dist.	-12816 Jun 19 j 03:31	0°♋33'49	1.43429 AU	morning set	-12815 May 14 j 11:37	12°♋11'17	
evening rise	-12816 Jun 29 j 02:22	16°♋19'38			-12815 May 24 j 09:24	0°♋	
desc. node	-12816 Jul 05 j 04:23	25°♋42'17		superior conj	-12815 May 25 j 06:46	1°♋33'16	1°48'52
	-12816 Jul 08 j 00:14	0°♋		minimum elong	-12815 May 25 j 06:47	1°♋33'21	1°48'27
evening max el	-12816 Jul 27 j 12:46	26°♋40'58	20°38'13	max. Earth dist.	-12815 Jun 01 j 11:46	13°♋48'35	1.41986 AU
	-12816 Jul 31 j 11:16	0°♋		evening rise	-12815 Jun 08 j 06:49	24°♋51'08	
retrograde	-12816 Aug 04 j 13:28	1°♋22'25			-12815 Jun 11 j 13:07	0°♋	
evening set	-12816 Aug 08 j 10:23	29°♋56'40		desc. node	-12815 Jun 22 j 01:58	16°♋00'24	
	-12816 Aug 08 j 08:34	30°♋♋			-12815 Jul 01 j 23:29	0°♋	
inferior conj	-12816 Aug 13 j 19:38	23°♋51'52	0°00'34	evening max el	-12815 Jul 10 j 08:09	10°♋03'28	21°51'51
minimum elong	-12816 Aug 13 j 19:36	23°♋51'58	0°01'13	retrograde	-12815 Jul 19 j 09:08	15°♋24'25	
transit middle	-12816 Aug 13 j 19:36	23°♋51'58	0°01'13	evening set	-12815 Jul 23 j 19:02	13°♋37'53	
transit begin	-12816 Aug 13 j 16:53	24°♋01'11		inferior conj	-12815 Jul 29 j 01:03	7°♋26'55	-0°47'53
transit end	-12816 Aug 13 j 22:20	23°♋42'45		minimum elong	-12815 Jul 29 j 02:01	7°♋23'36	0°47'02
asc. node	-12816 Aug 13 j 18:55	23°♋54'18		min. Earth dist.	-12815 Jul 29 j 07:05	7°♋06'05	0.67150 AU
min. Earth dist.	-12816 Aug 14 j 12:17	22°♋55'38	0.66768 AU	asc. node	-12815 Jul 31 j 15:44	3°♋57'55	
morning rise	-12816 Aug 19 j 04:39	17°♋30'25		morning rise	-12815 Aug 03 j 08:54	1°♋06'42	
direct	-12816 Aug 24 j 12:56	15°♋14'48			-12815 Aug 04 j 23:18	30°♋♋	
morning max el	-12816 Sep 04 j 18:43	21°♋58'01	24°25'42	direct	-12815 Aug 08 j 03:18	29°♋08'50	
	-12816 Sep 11 j 18:54	0°♋			-12815 Aug 11 j 13:25	0°♋	
desc. node	-12816 Oct 01 j 01:53	27°♋39'53		morning max el	-12815 Aug 18 j 05:57	5°♋14'07	23°02'08
	-12816 Oct 02 j 13:03	0°♋			-12815 Sep 06 j 04:25	0°♋	
morning set	-12816 Oct 10 j 08:42	13°♋01'19		desc. node	-12815 Sep 17 j 22:55	18°♋06'04	
max. Earth dist.	-12816 Oct 14 j 09:25	20°♋08'00	1.38286 AU	morning set	-12815 Sep 21 j 07:06	23°♋31'38	
	-12816 Oct 19 j 17:37	0°♋			-12815 Sep 25 j 04:06	0°♋	
superior conj	-12816 Oct 21 j 06:05	2°♋53'43	-1°34'30	max. Earth dist.	-12815 Sep 26 j 09:06	2°♋03'35	1.40260 AU
minimum elong	-12816 Oct 21 j 04:54	2°♋48'01	1°33'46	superior conj	-12815 Oct 03 j 22:43	15°♋26'29	-1°23'49
evening rise	-12816 Oct 29 j 20:01	19°♋43'44		minimum elong	-12815 Oct 03 j 19:47	15°♋13'08	1°22'47
	-12816 Nov 04 j 04:04	0°♋			-12815 Oct 11 j 17:35	0°♋	
asc. node	-12816 Nov 09 j 17:59	9°♋27'38		evening rise	-12815 Oct 13 j 12:53	3°♋26'05	
evening max el	-12816 Nov 15 j 13:46	16°♋42'45	19°02'28	asc. node	-12815 Oct 27 j 15:19	27°♋08'02	
retrograde	-12816 Nov 24 j 04:34	20°♋50'41		evening max el	-12815 Oct 29 j 17:11	29°♋24'37	18°25'18
evening set	-12816 Nov 26 j 16:28	20°♋31'21			-12815 Oct 30 j 08:15	0°♋	
inferior conj	-12816 Dec 04 j 17:02	16°♋12'33	4°15'15	retrograde	-12815 Nov 06 j 07:16	3°♋10'17	
minimum elong	-12816 Dec 04 j 18:14	16°♋10'25	4°15'25	evening set	-12815 Nov 08 j 18:07	2°♋47'51	
min. Earth dist.	-12816 Dec 07 j 16:28	14°♋07'24	0.57662 AU		-12815 Nov 13 j 21:11	30°♋♋	
morning rise	-12816 Dec 12 j 18:02	11°♋15'00		inferior conj	-12815 Nov 16 j 06:09	28°♋08'24	4°11'33
direct	-12816 Dec 18 j 06:21	10°♋03'36		minimum elong	-12815 Nov 16 j 04:03	28°♋12'39	4°11'50
desc. node	-12816 Dec 28 j 03:38	13°♋44'41		min. Earth dist.	-12815 Nov 19 j 10:30	25°♋34'02	0.59418 AU
morning max el	-12815 Jan 01 j 06:15	17°♋11'12	25°21'55	morning rise	-12815 Nov 23 j 12:15	22°♋48'56	
	-12815 Jan 11 j 18:49	0°♋		direct	-12815 Nov 30 j 00:13	21°♋00'10	
morning set	-12815 Jan 28 j 07:55	29°♋49'41		morning max el	-12815 Dec 14 j 00:51	28°♋18'40	26°36'52
	-12815 Jan 28 j 09:53	0°♋		desc. node	-12815 Dec 15 j 00:11	29°♋15'53	
superior conj	-12815 Feb 04 j 07:00	14°♋49'45	-0°12'30		-12815 Dec 15 j 17:27	0°♋	
minimum elong	-12815 Feb 04 j 07:32	14°♋52'37	0°12'59	morning set	-12814 Jan 05 j 06:17	0°♋	
					-12814 Jan 12 j 18:50	14°♋50'09	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12814 Jan 19 j 18:44	29° Ω 53'28	-0°34'17	superior conj	-12813 Jan 04 j 06:24	14° Ω 56'04	-0°54'06
minimum elong	-12814 Jan 19 j 20:02	0° \mathbb{M} 00'34	0°34'27	minimum elong	-12813 Jan 04 j 08:13	15° Ω 05'56	0°54'01
	-12814 Jan 19 j 19:56	0° \mathbb{M}		asc. node	-12813 Jan 10 j 09:51	28° Ω 13'23	
max. Earth dist.	-12814 Jan 19 j 19:42	29° Ω 58'45	1.32787 AU	evening rise	-12813 Jan 11 j 07:01	0° \mathbb{M} 05'01	
asc. node	-12814 Jan 23 j 12:28	8° \mathbb{M} 01'26			-12813 Jan 11 j 06:04	0° \mathbb{M}	
evening rise	-12814 Jan 26 j 20:57	15° \mathbb{M} 08'04			-12813 Jan 28 j 00:35	0° \mathbb{A}	
	-12814 Feb 03 j 10:51	0° \mathbb{A}		evening max el	-12813 Feb 06 j 23:19	11° \mathbb{A} 56'03	25°10'59
	-12814 Feb 24 j 09:32	0° \mathbb{B}		retrograde	-12813 Feb 20 j 23:25	19° \mathbb{A} 00'47	
evening max el	-12814 Feb 25 j 03:10	0° \mathbb{B} 43'02	26°25'19	evening set	-12813 Feb 25 j 23:08	18° \mathbb{A} 02'52	
retrograde	-12814 Mar 11 j 06:12	8° \mathbb{B} 05'18		desc. node	-12813 Feb 27 j 22:49	17° \mathbb{A} 09'47	
desc. node	-12814 Mar 13 j 01:54	7° \mathbb{B} 56'49		min. Earth dist.	-12813 Mar 03 j 13:05	15° \mathbb{A} 01'35	0.57405 AU
evening set	-12814 Mar 17 j 05:42	6° \mathbb{B} 34'19		inferior conj	-12813 Mar 06 j 10:45	13° \mathbb{A} 02'33	-1°33'17
min. Earth dist.	-12814 Mar 21 j 16:33	3° \mathbb{B} 42'50	0.59224 AU	minimum elong	-12813 Mar 06 j 07:45	13° \mathbb{A} 07'42	1°33'15
inferior conj	-12814 Mar 25 j 00:21	1° \mathbb{B} 05'39	-2°35'24	morning rise	-12813 Mar 14 j 19:37	8° \mathbb{A} 45'07	
minimum elong	-12814 Mar 24 j 21:12	1° \mathbb{B} 11'54	2°35'38	direct	-12813 Mar 17 j 00:14	8° \mathbb{A} 30'36	
	-12814 Mar 26 j 10:01	30° \mathbb{R} \mathbb{A}		morning max el	-12813 Mar 25 j 19:46	12° \mathbb{A} 42'03	19°04'23
morning rise	-12814 Apr 01 j 15:40	26° \mathbb{A} 30'21			-12813 Apr 06 j 15:37	0° \mathbb{B}	
direct	-12814 Apr 04 j 00:33	26° \mathbb{A} 10'02		asc. node	-12813 Apr 08 j 08:06	3° \mathbb{B} 10'03	
morning max el	-12814 Apr 11 j 15:14	29° \mathbb{A} 50'48	18°25'08	morning set	-12813 Apr 11 j 12:17	9° \mathbb{B} 19'29	
	-12814 Apr 11 j 19:03	0° \mathbb{B}					
asc. node	-12814 Apr 21 j 11:10	13° \mathbb{B} 47'56		superior conj	-12813 Apr 20 j 03:33	26° \mathbb{B} 14'43	1°29'05
morning set	-12814 Apr 27 j 18:07	25° \mathbb{B} 26'02		minimum elong	-12813 Apr 20 j 00:29	25° \mathbb{B} 59'58	1°28'03
	-12814 Apr 30 j 03:44	0° \approx			-12813 Apr 22 j 02:52	0° \approx	
				max. Earth dist.	-12813 Apr 26 j 13:58	8° \approx 15'29	1.38330 AU
superior conj	-12814 May 07 j 07:31	13° \approx 24'03	1°43'13	evening rise	-12813 Apr 30 j 15:27	15° \approx 28'22	
minimum elong	-12814 May 07 j 05:13	13° \approx 13'30	1°42'31		-12813 May 09 j 08:21	0° \mathbb{H}	
max. Earth dist.	-12814 May 14 j 14:06	26° \approx 20'29	1.40201 AU	desc. node	-12813 May 26 j 21:03	25° \mathbb{H} 38'07	
	-12814 May 16 j 17:26	0° \mathbb{H}			-12813 May 30 j 07:47	0° \mathbb{Y}	
evening rise	-12814 May 19 j 09:22	4° \mathbb{H} 28'07		evening max el	-12813 Jun 05 j 07:32	6° \mathbb{Y} 42'55	24°35'07
	-12814 Jun 04 j 18:32	0° \mathbb{Y}		retrograde	-12813 Jun 16 j 16:03	13° \mathbb{Y} 25'52	
desc. node	-12814 Jun 08 j 23:31	6° \mathbb{Y} 01'33		evening set	-12813 Jun 22 j 06:46	10° \mathbb{Y} 58'59	
evening max el	-12814 Jun 22 j 21:28	23° \mathbb{Y} 23'04	23°13'03	min. Earth dist.	-12813 Jun 26 j 20:50	5° \mathbb{Y} 37'32	0.66996 AU
retrograde	-12814 Jul 03 j 02:24	29° \mathbb{Y} 27'02		inferior conj	-12813 Jun 27 j 13:00	4° \mathbb{Y} 42'58	-2°11'10
evening set	-12814 Jul 08 j 02:29	27° \mathbb{Y} 19'22		minimum elong	-12813 Jun 27 j 15:07	4° \mathbb{Y} 35'47	2°10'30
inferior conj	-12814 Jul 13 j 07:27	21° \mathbb{Y} 04'41	-1°32'12		-12813 Jul 01 j 09:06	30° \mathbb{R} \mathbb{H}	
minimum elong	-12814 Jul 13 j 09:09	20° \mathbb{Y} 58'49	1°31'20	morning rise	-12813 Jul 02 j 23:26	28° \mathbb{H} 36'01	
min. Earth dist.	-12814 Jul 13 j 02:45	21° \mathbb{Y} 20'55	0.67234 AU	asc. node	-12813 Jul 05 j 09:13	27° \mathbb{H} 23'41	
morning rise	-12814 Jul 18 j 15:45	14° \mathbb{Y} 49'23		direct	-12813 Jul 06 j 18:35	27° \mathbb{H} 12'45	
asc. node	-12814 Jul 18 j 12:30	14° \mathbb{Y} 55'55			-12813 Jul 12 j 17:15	0° \mathbb{Y}	
direct	-12814 Jul 22 j 21:39	13° \mathbb{Y} 09'22		morning max el	-12813 Jul 14 j 17:44	1° \mathbb{Y} 54'47	20°26'48
morning max el	-12814 Jul 31 j 20:58	18° \mathbb{Y} 32'16	21°40'20		-12813 Aug 03 j 23:32	0° \mathbb{B}	
	-12814 Aug 10 j 04:00	0° \mathbb{B}		morning set	-12813 Aug 11 j 08:40	11° \mathbb{B} 22'32	
	-12814 Aug 30 j 08:58	0° \mathbb{I}		max. Earth dist.	-12813 Aug 21 j 22:35	28° \mathbb{B} 05'24	1.43538 AU
morning set	-12814 Sep 01 j 04:00	2° \mathbb{I} 49'24		desc. node	-12813 Aug 22 j 17:18	29° \mathbb{B} 20'47	
desc. node	-12814 Sep 04 j 20:04	8° \mathbb{I} 41'08			-12813 Aug 23 j 03:01	0° \mathbb{I}	
max. Earth dist.	-12814 Sep 08 j 12:48	14° \mathbb{I} 42'57	1.42095 AU				
				superior conj	-12813 Aug 27 j 10:38	7° \mathbb{I} 02'25	-0°27'57
superior conj	-12814 Sep 15 j 17:58	26° \mathbb{I} 53'44	-1°01'56	minimum elong	-12813 Aug 27 j 08:00	6° \mathbb{I} 51'35	0°26'52
minimum elong	-12814 Sep 15 j 14:01	26° \mathbb{I} 36'39	1°00'41	evening rise	-12813 Sep 09 j 07:02	28° \mathbb{I} 48'56	
	-12814 Sep 17 j 12:49	0° \mathbb{E}			-12813 Sep 09 j 23:26	0° \mathbb{E}	
evening rise	-12814 Sep 26 j 18:08	16° \mathbb{E} 31'45		evening max el	-12813 Sep 26 j 16:21	25° \mathbb{E} 48'56	18°10'21
	-12814 Oct 04 j 07:09	0° \mathbb{O}		asc. node	-12813 Oct 01 j 09:43	29° \mathbb{E} 03'15	
evening max el	-12814 Oct 13 j 03:05	12° \mathbb{O} 29'23	18°08'14	retrograde	-12813 Oct 03 j 07:36	29° \mathbb{E} 21'50	
asc. node	-12814 Oct 14 j 12:33	13° \mathbb{O} 45'25		evening set	-12813 Oct 05 j 22:42	28° \mathbb{E} 47'10	
retrograde	-12814 Oct 20 j 01:32	16° \mathbb{O} 03'43		inferior conj	-12813 Oct 12 j 11:14	23° \mathbb{E} 27'12	3°02'34
evening set	-12814 Oct 22 j 13:25	15° \mathbb{O} 36'21		minimum elong	-12813 Oct 12 j 07:28	23° \mathbb{E} 37'05	3°02'20
inferior conj	-12814 Oct 29 j 13:15	10° \mathbb{O} 35'50	3°44'07	min. Earth dist.	-12813 Oct 14 j 22:42	20° \mathbb{E} 52'00	0.62962 AU
minimum elong	-12814 Oct 29 j 09:35	10° \mathbb{O} 44'23	3°44'03	morning rise	-12813 Oct 18 j 15:16	17° \mathbb{E} 33'12	
min. Earth dist.	-12814 Nov 01 j 11:54	7° \mathbb{O} 52'13	0.61258 AU	direct	-12813 Oct 25 j 15:53	14° \mathbb{E} 55'22	
morning rise	-12814 Nov 05 j 04:23	4° \mathbb{O} 57'38		morning max el	-12813 Nov 08 j 08:02	22° \mathbb{E} 25'47	27°33'06
direct	-12814 Nov 12 j 04:07	2° \mathbb{O} 37'53			-12813 Nov 15 j 03:42	0° \mathbb{O}	
morning max el	-12814 Nov 26 j 01:45	10° \mathbb{O} 03'43	27°22'06	desc. node	-12813 Nov 18 j 17:22	4° \mathbb{O} 37'27	
desc. node	-12814 Dec 01 j 20:47	16° \mathbb{O} 22'33			-12813 Dec 04 j 18:29	0° \mathbb{O}	
	-12814 Dec 11 j 16:58	0° \mathbb{O}		morning set	-12813 Dec 12 j 03:51	14° \mathbb{O} 06'56	
morning set	-12814 Dec 28 j 02:14	29° \mathbb{O} 38'34		max. Earth dist.	-12813 Dec 17 j 16:16	25° \mathbb{O} 33'55	1.33354 AU
	-12814 Dec 28 j 06:24	0° \mathbb{O}					
max. Earth dist.	-12813 Jan 03 j 08:08	12° \mathbb{O} 54'53	1.32890 AU	superior conj	-12813 Dec 19 j 16:20	29° \mathbb{O} 51'22	-1°11'11

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12813 Dec 19 j 18:19	0° Ω 02'03	1°10'56	morning set	-12812 Nov 24 j 20:48	28° Ω 05'26	
	-12813 Dec 19 j 17:56	0° Ω			-12812 Nov 25 j 20:11	0° Π	
evening rise	-12813 Dec 26 j 18:14	15° Ω 02'47		max. Earth dist.	-12812 Nov 29 j 16:41	7° Π 45'58	1.34220 AU
asc. node	-12813 Dec 28 j 07:15	18° Ω 15'12					
	-12812 Jan 03 j 08:09	0° Π		superior conj	-12812 Dec 02 j 22:35	14° Π 31'59	-1°24'43
evening max el	-12812 Jan 19 j 16:44	22° Π 50'05	23°40'17	minimum elong	-12812 Dec 03 j 00:19	14° Π 41'12	1°24'22
retrograde	-12812 Feb 02 j 03:48	29° Π 25'03		evening rise	-12812 Dec 10 j 04:56	29° Π 54'51	
evening set	-12812 Feb 06 j 02:40	28° Π 50'44			-12812 Dec 10 j 05:55	0° Ω	
min. Earth dist.	-12812 Feb 13 j 05:55	25° Π 28'36	0.56074 AU	asc. node	-12812 Dec 14 j 04:41	8° Ω 01'00	
desc. node	-12812 Feb 14 j 19:39	24° Π 31'29			-12812 Dec 27 j 22:34	0° Π	
inferior conj	-12812 Feb 15 j 01:49	24° Π 22'05	-0°03'54	evening max el	-12812 Dec 31 j 12:00	3° Π 46'00	22°06'29
minimum elong	-12812 Feb 15 j 01:38	24° Π 22'22	0°04'31	retrograde	-12811 Jan 12 j 21:22	9° Π 39'50	
transit middle	-12812 Feb 15 j 01:38	24° Π 22'22	0°04'31	evening set	-12811 Jan 16 j 01:24	9° Π 17'38	
transit begin	-12812 Feb 14 j 21:47	24° Π 28'12		inferior conj	-12811 Jan 25 j 02:36	5° Π 11'50	1°38'51
transit end	-12812 Feb 15 j 05:28	24° Π 16'33		minimum elong	-12811 Jan 25 j 06:38	5° Π 06'05	1°37'08
morning rise	-12812 Feb 24 j 02:53	20° Π 16'34		min. Earth dist.	-12811 Jan 24 j 20:22	5° Π 20'45	0.55485 AU
direct	-12812 Feb 26 j 06:33	20° Π 04'40		desc. node	-12811 Jan 31 j 16:21	1° Π 54'07	
morning max el	-12812 Mar 07 j 15:16	24° Π 59'54	20°03'20	morning rise	-12811 Feb 03 j 12:18	1° Π 06'18	
	-12812 Mar 12 j 00:44	0° Σ		direct	-12811 Feb 06 j 00:08	0° Π 52'06	
asc. node	-12812 Mar 25 j 05:06	22° Σ 54'30		morning max el	-12811 Feb 17 j 23:38	6° Π 37'31	21°20'59
morning set	-12812 Mar 25 j 14:43	23° Σ 43'01			-12811 Mar 05 j 17:21	0° Σ	
	-12812 Mar 28 j 16:56	0° Ξ		morning set	-12811 Mar 09 j 22:38	8° Σ 27'22	
				asc. node	-12811 Mar 12 j 02:11	12° Σ 54'47	
superior conj	-12812 Apr 02 j 13:53	9° Ξ 52'02	1°09'45				
minimum elong	-12812 Apr 02 j 11:04	9° Ξ 37'59	1°08'32	superior conj	-12811 Mar 17 j 10:25	24° Σ 03'33	0°47'32
max. Earth dist.	-12812 Apr 07 j 17:43	19° Ξ 57'40	1.36600 AU	minimum elong	-12811 Mar 17 j 08:24	23° Σ 53'09	0°46'21
evening rise	-12812 Apr 11 j 21:26	27° Ξ 43'00			-12811 Mar 20 j 08:07	0° Ξ	
	-12812 Apr 13 j 03:42	0° \approx		max. Earth dist.	-12811 Mar 21 j 06:06	1° Ξ 50'35	1.35155 AU
	-12812 May 01 j 16:21	0° H		evening rise	-12811 Mar 25 j 21:30	10° Ξ 54'37	
desc. node	-12812 May 12 j 18:33	14° H 40'18			-12811 Apr 05 j 15:15	0° \approx	
evening max el	-12812 May 17 j 17:20	20° H 04'47	25°49'28		-12811 Apr 26 j 22:42	0° H	
retrograde	-12812 May 30 j 01:21	27° H 16'31		desc. node	-12811 Apr 29 j 15:59	2° H 53'30	
evening set	-12812 Jun 05 j 05:51	24° H 35'28		evening max el	-12811 Apr 30 j 03:52	3° H 23'07	26°47'31
min. Earth dist.	-12812 Jun 09 j 10:59	19° H 53'17	0.66403 AU	retrograde	-12811 May 13 j 05:43	10° H 52'06	
inferior conj	-12812 Jun 10 j 15:53	18° H 20'09	-2°43'25	evening set	-12811 May 19 j 21:18	8° H 05'26	
minimum elong	-12812 Jun 10 j 18:03	18° H 13'10	2°43'07	min. Earth dist.	-12811 May 23 j 19:00	4° H 02'10	0.65418 AU
morning rise	-12812 Jun 16 j 06:17	12° H 24'46		inferior conj	-12811 May 25 j 14:00	1° H 52'56	-3°07'15
direct	-12812 Jun 19 j 16:33	11° H 16'37		minimum elong	-12811 May 25 j 15:43	1° H 47'44	3°07'24
asc. node	-12812 Jun 21 j 05:54	11° H 30'00			-12811 May 27 j 04:21	30° $\text{R}\approx$	
morning max el	-12812 Jun 26 j 20:58	15° H 24'07	19°26'04	morning rise	-12811 May 31 j 10:25	26° \approx 11'49	
	-12812 Jul 07 j 18:30	0° Υ		direct	-12811 Jun 03 j 13:25	25° \approx 17'01	
morning set	-12812 Jul 20 j 16:12	20° Υ 05'03		asc. node	-12811 Jun 08 j 02:35	27° \approx 05'04	
	-12812 Jul 26 j 23:26	0° B		morning max el	-12811 Jun 10 j 05:50	28° \approx 59'07	18°40'52
max. Earth dist.	-12812 Aug 03 j 13:31	11° B 59'15	1.44393 AU		-12811 Jun 11 j 04:41	0° H	
				morning set	-12811 Jun 30 j 18:59	29° H 40'34	
superior conj	-12812 Aug 06 j 00:56	15° B 55'28	0°15'11		-12811 Jun 30 j 23:46	0° Υ	
minimum elong	-12812 Aug 06 j 02:46	16° B 02'49	0°15'33				
behind sun begin	-12812 Aug 05 j 23:17	15° B 48'57		superior conj	-12811 Jul 16 j 01:19	24° Υ 09'54	0°58'27
behind sun end	-12812 Aug 06 j 06:15	16° B 16'41		minimum elong	-12811 Jul 16 j 07:27	24° Υ 34'12	0°58'09
desc. node	-12812 Aug 08 j 14:38	20° B 02'02		max. Earth dist.	-12811 Jul 17 j 06:22	26° Υ 05'01	1.44551 AU
	-12812 Aug 14 j 18:44	0° II			-12811 Jul 19 j 17:46	0° B	
evening rise	-12812 Aug 20 j 22:06	10° II 04'30		desc. node	-12811 Jul 26 j 12:06	10° B 41'45	
	-12812 Sep 02 j 04:43	0° E		evening rise	-12811 Aug 01 j 10:24	20° B 05'30	
evening max el	-12812 Sep 09 j 06:00	9° E 16'56	18°30'33		-12811 Aug 07 j 16:25	0° II	
retrograde	-12812 Sep 15 j 21:38	12° E 57'30		evening max el	-12811 Aug 23 j 17:11	22° II 48'08	19°07'53
asc. node	-12812 Sep 17 j 06:48	12° E 46'58		retrograde	-12811 Aug 30 j 16:21	26° II 45'22	
evening set	-12812 Sep 18 j 18:11	12° E 12'44		evening set	-12811 Sep 02 j 20:34	25° II 47'21	
inferior conj	-12812 Sep 24 j 20:48	6° E 36'07	2°13'41	asc. node	-12811 Sep 04 j 03:47	24° II 51'07	
minimum elong	-12812 Sep 24 j 17:47	6° E 44'50	2°13'32	inferior conj	-12811 Sep 08 j 14:57	19° II 57'22	1°21'51
min. Earth dist.	-12812 Sep 26 j 19:29	4° E 21'21	0.64409 AU	minimum elong	-12811 Sep 08 j 13:04	20° II 03'14	1°21'59
morning rise	-12812 Sep 30 j 16:44	0° E 29'22		min. Earth dist.	-12811 Sep 10 j 01:18	18° II 10'03	0.65556 AU
	-12812 Oct 01 j 07:53	30° RII		morning rise	-12811 Sep 14 j 05:09	13° II 41'31	
direct	-12812 Oct 07 j 10:22	27° II 46'36		direct	-12811 Sep 20 j 11:11	11° II 04'08	
	-12812 Oct 14 j 04:48	0° E		morning max el	-12811 Oct 03 j 04:12	18° II 26'37	26°21'18
morning max el	-12812 Oct 20 j 17:36	5° E 17'10	27°11'03		-12811 Oct 13 j 01:36	0° E	
desc. node	-12812 Nov 04 j 13:59	23° E 40'48		desc. node	-12811 Oct 22 j 10:42	13° E 18'52	
	-12812 Nov 08 j 19:00	0° Ω			-12811 Nov 01 j 17:30	0° Ω	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12811 Nov 08 j 01:26	11° Ω 23'10		morning set	-12810 Oct 21 j 12:58	23° Ω 45'48	
max. Earth dist.	-12811 Nov 12 j 06:48	19° Ω 28'36	1.35510 AU		-12810 Oct 24 j 23:28	0° Ω	
				max. Earth dist.	-12810 Oct 25 j 10:49	0° Ω 52'32	1.37188 AU
superior conj	-12811 Nov 16 j 22:51	28° Ω 50'41	-1°33'36	superior conj	-12810 Oct 31 j 14:07	12° Ω 37'28	-1°36'23
minimum elong	-12811 Nov 16 j 23:52	28° Ω 55'52	1°33'08	minimum elong	-12810 Oct 31 j 13:52	12° Ω 36'14	1°35'46
	-12811 Nov 17 j 12:23	0° Π		evening rise	-12810 Nov 08 j 17:47	28° Ω 58'39	
evening rise	-12811 Nov 24 j 13:27	14° Π 35'41			-12810 Nov 09 j 06:01	0° Π	
asc. node	-12811 Dec 01 j 02:06	27° Π 24'05		asc. node	-12810 Nov 17 j 23:30	16° Π 15'42	
	-12811 Dec 02 j 12:57	0° Ω		evening max el	-12810 Nov 26 j 02:56	26° Π 57'59	19°33'02
evening max el	-12811 Dec 13 j 14:24	15° Ω 05'14	20°41'33		-12810 Nov 30 j 05:00	0° Ω	
retrograde	-12811 Dec 24 j 12:34	20° Ω 12'54		retrograde	-12810 Dec 05 j 12:16	1° Ω 24'15	
evening set	-12811 Dec 27 j 06:05	19° Ω 54'58		evening set	-12810 Dec 08 j 01:21	1° Ω 06'10	
inferior conj	-12810 Jan 05 j 00:47	15° Ω 55'26	3°08'11		-12810 Dec 11 j 04:03	30° Π	
minimum elong	-12810 Jan 05 j 06:33	15° Ω 46'55	3°06'38	inferior conj	-12810 Dec 16 j 09:05	26° Π 57'45	4°02'12
min. Earth dist.	-12810 Jan 06 j 09:47	15° Ω 06'53	0.55753 AU	minimum elong	-12810 Dec 16 j 12:31	26° Π 52'09	4°01'53
morning rise	-12810 Jan 14 j 05:41	11° Ω 34'24		min. Earth dist.	-12810 Dec 18 j 23:14	25° Π 16'50	0.56801 AU
direct	-12810 Jan 17 j 15:43	11° Ω 08'41		morning rise	-12810 Dec 24 j 21:33	22° Π 13'17	
desc. node	-12810 Jan 18 j 12:59	11° Ω 10'28		direct	-12810 Dec 29 j 15:52	21° Π 21'47	
morning max el	-12810 Jan 30 j 21:22	17° Ω 38'44	22°52'55	desc. node	-12809 Jan 05 j 09:34	23° Π 05'26	
	-12810 Feb 09 j 17:43	0° Π		morning max el	-12809 Jan 12 j 12:40	28° Π 20'44	24°29'34
morning set	-12810 Feb 22 j 09:47	23° Π 25'17			-12809 Jan 14 j 04:19	0° Ω	
	-12810 Feb 25 j 12:32	0° Ω			-12809 Feb 02 j 18:19	0° Π	
asc. node	-12810 Feb 26 j 23:23	3° Ω 05'56		morning set	-12809 Feb 06 j 22:17	8° Π 29'39	
superior conj	-12810 Mar 01 j 14:03	8° Ω 39'46	0°24'07	superior conj	-12809 Feb 13 j 22:22	23° Π 32'26	0°00'40
minimum elong	-12810 Mar 01 j 13:03	8° Ω 34'25	0°23'09	minimum elong	-12809 Feb 13 j 22:23	23° Π 32'27	0°00'00
max. Earth dist.	-12810 Mar 04 j 04:25	14° Ω 07'52	1.34056 AU	behind sun begin	-12809 Feb 13 j 19:36	23° Π 17'24	
evening rise	-12810 Mar 09 j 10:40	24° Ω 48'29		behind sun end	-12809 Feb 14 j 01:09	23° Π 47'29	
	-12810 Mar 12 j 03:07	0° Ω		asc. node	-12809 Feb 13 j 20:41	23° Π 23'16	
	-12810 Mar 30 j 03:24	0° \approx		max. Earth dist.	-12809 Feb 15 j 11:05	26° Π 50'07	1.33302 AU
evening max el	-12810 Apr 12 j 14:25	16° \approx 28'55	27°21'25		-12809 Feb 16 j 22:41	0° Ω	
desc. node	-12810 Apr 16 j 13:18	19° \approx 57'54		evening rise	-12809 Feb 21 j 09:05	9° Ω 12'14	
retrograde	-12810 Apr 26 j 04:43	24° \approx 04'54			-12809 Mar 04 j 13:03	0° Ω	
evening set	-12810 May 03 j 02:17	21° \approx 24'31		evening max el	-12809 Mar 25 j 23:17	29° Ω 12'01	27°25'20
min. Earth dist.	-12810 May 06 j 19:12	17° \approx 55'32	0.64036 AU		-12809 Mar 26 j 19:30	0° \approx	
inferior conj	-12810 May 09 j 04:51	15° \approx 17'26	-3°20'15	desc. node	-12809 Apr 03 j 10:30	5° \approx 26'52	
minimum elong	-12810 May 09 j 05:35	15° \approx 15'23	3°20'48	retrograde	-12809 Apr 08 j 21:28	6° \approx 46'44	
morning rise	-12810 May 15 j 09:40	9° \approx 52'47		evening set	-12809 Apr 15 j 17:37	4° \approx 25'56	
direct	-12810 May 18 j 06:45	9° \approx 09'36		min. Earth dist.	-12809 Apr 19 j 10:40	1° \approx 21'54	0.62308 AU
morning max el	-12810 May 24 j 18:24	12° \approx 36'26	18°12'45		-12809 Apr 20 j 20:32	30° Π	
asc. node	-12810 May 25 j 23:19	13° \approx 53'38		inferior conj	-12809 Apr 22 j 09:31	28° Ω 28'30	-3°18'54
	-12810 Jun 05 j 19:18	0° Π		minimum elong	-12809 Apr 22 j 08:46	28° Ω 30'22	3°19'37
morning set	-12810 Jun 11 j 22:49	10° Π 24'51		morning rise	-12809 Apr 29 j 01:24	23° Ω 21'58	
	-12810 Jun 23 j 16:20	0° Π		direct	-12809 May 01 j 17:30	22° Ω 48'47	
superior conj	-12810 Jun 25 j 09:50	2° Π 48'55	1°30'44	morning max el	-12809 May 08 j 08:21	26° Ω 11'19	18°02'41
minimum elong	-12810 Jun 25 j 15:34	3° Π 12'09	1°30'22		-12809 May 11 j 14:55	0° \approx	
max. Earth dist.	-12810 Jun 29 j 21:26	10° Π 02'03	1.44013 AU	asc. node	-12809 May 12 j 20:07	1° \approx 40'49	
evening rise	-12810 Jul 11 j 20:58	28° Π 53'44		morning set	-12809 May 25 j 02:02	22° \approx 16'19	
	-12810 Jul 12 j 14:01	0° Ω			-12809 May 29 j 10:42	0° Π	
desc. node	-12810 Jul 13 j 09:39	1° Ω 16'10		superior conj	-12809 Jun 05 j 18:16	12° Π 38'24	1°46'40
greatest brilliancy	-12810 Jul 23 j 23:32	17° Ω 28'20	-0.7m	minimum elong	-12809 Jun 05 j 20:20	12° Π 47'12	1°46'21
	-12810 Aug 01 j 17:01	0° Π		max. Earth dist.	-12809 Jun 12 j 08:25	23° Π 35'33	1.42863 AU
evening max el	-12810 Aug 06 j 23:20	6° Π 17'28	20°01'11		-12809 Jun 16 j 07:38	0° Π	
retrograde	-12810 Aug 14 j 12:59	10° Π 40'33		evening rise	-12809 Jun 20 j 20:52	7° Π 12'10	
evening set	-12810 Aug 18 j 03:07	9° Π 25'56		desc. node	-12809 Jun 30 j 07:14	21° Π 41'41	
asc. node	-12810 Aug 22 j 00:43	5° Π 30'12			-12809 Jul 05 j 21:25	0° Ω	
inferior conj	-12810 Aug 23 j 15:08	3° Π 25'45	0°29'49	evening max el	-12809 Jul 20 j 22:52	19° Ω 43'09	21°08'21
minimum elong	-12810 Aug 23 j 14:27	3° Π 28'00	0°30'18	retrograde	-12809 Jul 29 j 09:24	24° Ω 40'43	
min. Earth dist.	-12810 Aug 24 j 14:05	2° Π 09'53	0.66404 AU	evening set	-12809 Aug 02 j 11:33	23° Ω 06'34	
	-12810 Aug 26 j 06:57	30° Π		inferior conj	-12809 Aug 07 j 19:12	16° Ω 58'59	-0°20'23
morning rise	-12810 Aug 29 j 01:31	27° Ω 04'58		minimum elong	-12809 Aug 07 j 19:36	16° Ω 57'34	0°19'38
direct	-12810 Sep 03 j 17:53	24° Ω 39'59		min. Earth dist.	-12809 Aug 08 j 07:23	16° Ω 17'17	0.66964 AU
	-12810 Sep 13 j 19:52	0° Π		asc. node	-12809 Aug 08 j 21:34	15° Ω 29'08	
morning max el	-12810 Sep 15 j 14:15	1° Π 41'52	25°11'28	morning rise	-12809 Aug 13 j 03:30	10° Ω 37'26	
	-12810 Oct 07 j 03:34	0° Ω		direct	-12809 Aug 18 j 05:49	8° Ω 28'57	
desc. node	-12810 Oct 09 j 07:32	3° Ω 20'55					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12809 Aug 29 j 00:16	14° ♁ 57'16	23°50'21			-12808 Aug 12 j 04:37	0° ♁	
	-12809 Sep 10 j 06:36	0° ♁				-12808 Sep 03 j 00:07	0° ♁	
desc. node	-12809 Sep 26 j 04:30	23° ♁ 39'52		desc. node		-12808 Sep 12 j 01:35	14° ♁ 10'11	
	-12809 Sep 30 j 02:20	0° ♁		morning set		-12808 Sep 12 j 13:11	14° ♁ 56'56	
morning set	-12809 Oct 03 j 02:06	4° ♁ 59'36		max. Earth dist.		-12808 Sep 18 j 10:45	24° ♁ 40'20	1.41076 AU
max. Earth dist.	-12809 Oct 07 j 09:45	12° ♁ 26'45	1.39126 AU			-12808 Sep 21 j 13:49	0° ♁	
superior conj	-12809 Oct 14 j 16:26	25° ♁ 41'23	-1°31'14	superior conj		-12808 Sep 26 j 00:41	7° ♁ 48'22	-1°16'01
minimum elong	-12809 Oct 14 j 14:29	25° ♁ 32'18	1°30'22	minimum elong		-12808 Sep 25 j 21:09	7° ♁ 32'37	1°14'52
	-12809 Oct 16 j 23:03	0° ♁		evening rise		-12808 Oct 06 j 03:58	26° ♁ 25'35	
evening rise	-12809 Oct 23 j 15:37	12° ♁ 57'42				-12808 Oct 08 j 01:58	0° ♁	
	-12809 Nov 01 j 22:36	0° ♁		asc. node		-12808 Oct 21 j 18:08	21° ♁ 41'27	
asc. node	-12809 Nov 04 j 20:52	4° ♁ 25'42		evening max el		-12808 Oct 22 j 08:06	22° ♁ 17'05	18°15'40
evening max el	-12809 Nov 09 j 01:32	9° ♁ 24'06	18°44'10	retrograde		-12808 Oct 29 j 14:15	25° ♁ 56'29	
retrograde	-12809 Nov 17 j 04:26	13° ♁ 20'33		evening set		-12808 Nov 01 j 01:26	25° ♁ 32'03	
evening set	-12809 Nov 19 j 15:48	13° ♁ 00'02		inferior conj		-12808 Nov 08 j 08:08	20° ♁ 43'17	4°02'11
inferior conj	-12809 Nov 27 j 11:04	8° ♁ 33'03	4°17'16	minimum elong		-12808 Nov 08 j 05:10	20° ♁ 49'43	4°02'20
minimum elong	-12809 Nov 27 j 10:42	8° ♁ 33'44	4°17'35	min. Earth dist.		-12808 Nov 11 j 10:57	18° ♁ 02'56	0.60207 AU
min. Earth dist.	-12809 Nov 30 j 14:27	6° ♁ 12'57	0.58391 AU	morning rise		-12808 Nov 15 j 07:25	15° ♁ 15'51	
morning rise	-12809 Dec 05 j 03:42	3° ♁ 25'58		direct		-12808 Nov 22 j 01:56	13° ♁ 12'48	
direct	-12809 Dec 11 j 03:46	1° ♁ 58'12		morning max el		-12808 Dec 06 j 01:17	20° ♁ 33'44	27°00'12
desc. node	-12809 Dec 23 j 06:07	7° ♁ 26'58		desc. node		-12808 Dec 09 j 02:41	23° ♁ 42'55	
morning max el	-12809 Dec 25 j 04:13	9° ♁ 11'06	25°56'41			-12808 Dec 14 j 07:18	0° ♁	
	-12808 Jan 09 j 22:44	0° ♁				-12807 Jan 01 j 14:41	0° ♁	
morning set	-12808 Jan 22 j 10:17	23° ♁ 33'32		morning set		-12807 Jan 05 j 19:58	8° ♁ 30'31	
	-12808 Jan 25 j 10:51	0° ♁						
superior conj	-12808 Jan 29 j 09:21	8° ♁ 34'05	-0°21'57	superior conj		-12807 Jan 12 j 21:16	23° ♁ 38'43	-0°42'58
minimum elong	-12808 Jan 29 j 10:14	8° ♁ 38'54	0°22'17	minimum elong		-12807 Jan 12 j 22:49	23° ♁ 47'12	0°43'01
max. Earth dist.	-12808 Jan 29 j 23:01	9° ♁ 48'38	1.32886 AU	max. Earth dist.		-12807 Jan 12 j 12:33	22° ♁ 51'09	1.32796 AU
asc. node	-12808 Jan 31 j 18:00	13° ♁ 42'08		asc. node		-12807 Jan 15 j 19:11	0° ♁	
evening rise	-12808 Feb 05 j 13:46	23° ♁ 55'25		evening rise		-12807 Jan 17 j 15:22	3° ♁ 58'24	
	-12808 Feb 08 j 13:57	0° ♁				-12807 Jan 19 j 22:28	8° ♁ 50'11	
	-12808 Feb 26 j 11:51	0° ♁		evening max el		-12807 Jan 31 j 01:28	0° ♁	
evening max el	-12808 Mar 07 j 04:07	11° ♁ 21'42	26°56'21			-12807 Feb 17 j 03:19	22° ♁ 54'09	25°56'26
desc. node	-12808 Mar 20 j 07:36	18° ♁ 46'54		retrograde		-12807 Mar 01 j 06:27	0° ♁	
retrograde	-12808 Mar 21 j 06:19	18° ♁ 49'16				-12807 Mar 03 j 05:32	0° ♁ 09'22	
evening set	-12808 Mar 27 j 16:02	16° ♁ 58'49		desc. node		-12807 Mar 05 j 04:21	30° ♁ 5'27	
min. Earth dist.	-12808 Mar 31 j 17:23	14° ♁ 06'45	0.60363 AU	evening set		-12807 Mar 07 j 04:33	29° ♁ 30'52	
inferior conj	-12808 Apr 04 j 00:27	11° ♁ 17'34	-2°58'18	min. Earth dist.		-12807 Mar 08 j 19:48	28° ♁ 53'06	
minimum elong	-12808 Apr 03 j 22:01	11° ♁ 22'49	2°58'47	inferior conj		-12807 Mar 13 j 16:42	25° ♁ 59'06	0.58421 AU
morning rise	-12808 Apr 11 j 06:21	6° ♁ 30'29		minimum elong		-12807 Mar 16 j 22:03	23° ♁ 36'01	-2°12'40
direct	-12808 Apr 13 j 17:58	6° ♁ 05'49		morning rise		-12807 Mar 16 j 18:41	23° ♁ 42'18	2°12'43
morning max el	-12808 Apr 20 j 20:54	9° ♁ 36'01	18°11'23	direct		-12807 Mar 24 j 20:43	19° ♁ 08'38	
asc. node	-12808 Apr 28 j 16:58	20° ♁ 12'53		morning max el		-12807 Mar 27 j 03:52	18° ♁ 50'56	
	-12808 May 04 j 06:09	0° ♁				-12807 Apr 04 j 05:15	22° ♁ 42'34	18°39'23
morning set	-12808 May 06 j 23:56	5° ♁ 04'05		asc. node		-12807 Apr 10 j 01:23	0° ♁	
				morning set		-12807 Apr 15 j 13:53	9° ♁ 19'31	
superior conj	-12808 May 17 j 05:20	23° ♁ 47'09	1°47'45			-12807 Apr 20 j 11:53	18° ♁ 37'00	
minimum elong	-12808 May 17 j 04:09	23° ♁ 41'54	1°47'14			-12807 Apr 26 j 09:38	0° ♁	
	-12808 May 20 j 18:13	0° ♁		superior conj		-12807 Apr 29 j 14:59	6° ♁ 05'31	1°38'03
max. Earth dist.	-12808 May 24 j 14:09	6° ♁ 33'00	1.41256 AU	minimum elong		-12807 Apr 29 j 12:12	5° ♁ 52'28	1°37'11
evening rise	-12808 May 30 j 09:09	16° ♁ 06'54		max. Earth dist.		-12807 May 06 j 15:20	18° ♁ 49'35	1.39408 AU
	-12808 Jun 08 j 05:07	0° ♁		evening rise		-12807 May 10 j 23:30	26° ♁ 19'18	
desc. node	-12808 Jun 16 j 04:49	11° ♁ 53'16				-12807 May 13 j 04:08	0° ♁	
	-12808 Jun 29 j 19:35	0° ♁				-12807 Jun 01 j 19:51	0° ♁	
evening max el	-12808 Jul 02 j 15:31	3° ♁ 04'23	22°25'55	desc. node		-12807 Jun 03 j 02:22	1° ♁ 45'01	
retrograde	-12808 Jul 12 j 04:01	8° ♁ 43'00		evening max el		-12807 Jun 15 j 03:04	16° ♁ 23'38	23°48'18
evening set	-12808 Jul 16 j 19:53	6° ♁ 47'29		retrograde		-12807 Jun 25 j 19:44	22° ♁ 44'36	
inferior conj	-12808 Jul 22 j 01:12	0° ♁ 34'55	-1°07'16	evening set		-12807 Jul 01 j 02:13	20° ♁ 28'06	
minimum elong	-12808 Jul 22 j 02:31	0° ♁ 30'23	1°06'23	inferior conj		-12807 Jul 06 j 07:25	14° ♁ 12'42	-1°49'30
min. Earth dist.	-12808 Jul 22 j 02:46	0° ♁ 29'30	0.67228 AU	minimum elong		-12807 Jul 06 j 09:21	14° ♁ 06'06	1°48'41
	-12808 Jul 22 j 11:18	30° ♁ 4'09		min. Earth dist.		-12807 Jul 05 j 21:54	14° ♁ 45'19	0.67179 AU
asc. node	-12808 Jul 25 j 18:22	25° ♁ 49'09		morning rise		-12807 Jul 11 j 16:27	8° ♁ 00'50	
morning rise	-12808 Jul 27 j 09:03	24° ♁ 16'30		asc. node		-12807 Jul 12 j 15:06	7° ♁ 22'20	
direct	-12808 Jul 31 j 22:04	22° ♁ 26'06		direct		-12807 Jul 15 j 17:34	6° ♁ 28'13	
morning max el	-12808 Aug 10 j 12:37	28° ♁ 12'58	22°26'40	morning max el		-12807 Jul 24 j 05:57	11° ♁ 32'43	21°07'46

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12807 Aug 07 j 08:05	0°♄		morning max el	-12806 Jul 07 j 05:38	24°♄58'59	19°59'15
morning set	-12807 Aug 23 j 01:18	23°♄50'17			-12806 Jul 11 j 11:54	0°♄	
	-12807 Aug 26 j 23:01	0°♄			-12806 Jul 31 j 16:28	0°♄	
desc. node	-12807 Aug 29 j 22:44	4°♄47'26		morning set	-12806 Aug 02 j 04:46	2°♄21'14	
max. Earth dist.	-12807 Aug 31 j 17:34	7°♄41'06	1.42769 AU	max. Earth dist.	-12806 Aug 14 j 05:46	21°♄18'56	1.43974 AU
				desc. node	-12806 Aug 16 j 20:02	25°♄28'26	
superior conj	-12807 Sep 07 j 09:04	18°♄42'53	-0°48'56				
minimum elong	-12807 Sep 07 j 05:16	18°♄26'52	0°47'41	superior conj	-12806 Aug 18 j 13:55	28°♄17'28	-0°10'23
	-12807 Sep 13 j 22:13	0°♄		minimum elong	-12806 Aug 18 j 12:52	28°♄13'14	0°09'33
evening rise	-12807 Sep 19 j 02:54	9°♄12'16		behind sun begin	-12806 Aug 18 j 04:07	27°♄37'50	
	-12807 Oct 01 j 09:56	0°♄		behind sun end	-12806 Aug 18 j 21:37	28°♄48'40	
evening max el	-12807 Oct 05 j 19:42	5°♄28'33	18°06'51		-12806 Aug 19 j 15:11	0°♄	
asc. node	-12807 Oct 08 j 15:20	7°♄47'01		evening rise	-12806 Sep 01 j 07:18	21°♄05'35	
retrograde	-12807 Oct 12 j 14:12	9°♄01'30			-12806 Sep 06 j 13:18	0°♄	
evening set	-12807 Oct 15 j 03:09	8°♄31'20		evening max el	-12806 Sep 19 j 09:28	18°♄52'16	18°16'47
inferior conj	-12807 Oct 21 j 22:00	3°♄21'57	3°27'46	asc. node	-12806 Sep 25 j 12:27	22°♄26'27	
minimum elong	-12807 Oct 21 j 18:08	3°♄31'26	3°27'37	retrograde	-12806 Sep 26 j 00:11	22°♄27'42	
min. Earth dist.	-12807 Oct 24 j 16:07	0°♄40'15	0.61999 AU	evening set	-12806 Sep 28 j 17:12	21°♄49'17	
	-12807 Oct 25 j 09:26	30°♄		inferior conj	-12806 Oct 05 j 01:20	16°♄21'55	2°42'27
morning rise	-12807 Oct 28 j 07:57	27°♄36'31		minimum elong	-12806 Oct 04 j 21:48	16°♄31'34	2°42'13
direct	-12807 Nov 04 j 08:59	25°♄07'46		min. Earth dist.	-12806 Oct 07 j 07:26	13°♄54'00	0.63605 AU
	-12807 Nov 15 j 06:57	0°♄		morning rise	-12806 Oct 11 j 01:32	10°♄21'46	
morning max el	-12807 Nov 18 j 04:54	2°♄35'52	27°31'12	direct	-12806 Oct 17 j 23:51	7°♄40'12	
desc. node	-12807 Nov 25 j 23:13	11°♄21'18		morning max el	-12806 Oct 31 j 13:06	15°♄12'26	27°27'33
	-12807 Dec 08 j 13:43	0°♄		desc. node	-12806 Nov 12 j 19:50	29°♄58'46	
morning set	-12807 Dec 21 j 01:14	23°♄11'50			-12806 Nov 12 j 20:11	0°♄	
	-12807 Dec 24 j 07:44	0°♄			-12806 Dec 01 j 02:48	0°♄	
max. Earth dist.	-12807 Dec 26 j 23:49	5°♄42'39	1.33043 AU	morning set	-12806 Dec 04 j 23:34	7°♄28'48	
				max. Earth dist.	-12806 Dec 10 j 04:57	18°♄10'21	1.33668 AU
superior conj	-12807 Dec 28 j 08:23	8°♄39'00	-1°01'43				
minimum elong	-12807 Dec 28 j 10:19	8°♄49'29	1°01'34	superior conj	-12806 Dec 12 j 17:00	23°♄28'40	-1°17'26
evening rise	-12806 Jan 04 j 09:13	23°♄48'20		minimum elong	-12806 Dec 12 j 18:56	23°♄39'02	1°17'08
asc. node	-12806 Jan 04 j 12:44	24°♄06'46			-12806 Dec 15 j 17:57	0°♄	
	-12806 Jan 07 j 09:29	0°♄		evening rise	-12806 Dec 19 j 20:23	8°♄43'53	
	-12806 Jan 26 j 03:38	0°♄		asc. node	-12806 Dec 22 j 10:08	14°♄02'12	
evening max el	-12806 Jan 29 j 21:37	3°♄56'03	24°33'30		-12806 Dec 31 j 03:01	0°♄	
retrograde	-12806 Feb 12 j 17:27	10°♄50'11		evening max el	-12805 Jan 11 j 15:01	14°♄47'31	22°59'58
evening set	-12806 Feb 17 j 06:30	10°♄03'27		retrograde	-12805 Jan 24 j 17:11	21°♄06'47	
desc. node	-12806 Feb 22 j 01:25	7°♄46'30		evening set	-12805 Jan 28 j 06:41	20°♄39'01	
min. Earth dist.	-12806 Feb 23 j 11:08	6°♄54'50	0.56769 AU	min. Earth dist.	-12805 Feb 05 j 03:03	17°♄03'45	0.55720 AU
inferior conj	-12806 Feb 25 j 23:58	5°♄16'37	-0°58'15	inferior conj	-12805 Feb 06 j 07:54	16°♄21'25	0°39'31
minimum elong	-12806 Feb 25 j 21:50	5°♄20'06	0°58'22	minimum elong	-12805 Feb 06 j 09:32	16°♄19'01	0°38'23
morning rise	-12806 Mar 06 j 16:16	1°♄05'46		desc. node	-12805 Feb 08 j 22:11	14°♄52'21	
direct	-12806 Mar 08 j 19:50	0°♄52'51		morning rise	-12805 Feb 15 j 14:00	12°♄17'37	
morning max el	-12806 Mar 18 j 06:20	5°♄21'01	19°27'05	direct	-12805 Feb 17 j 19:18	12°♄05'40	
asc. node	-12806 Apr 02 j 10:50	28°♄51'59		morning max el	-12805 Feb 28 j 21:21	17°♄22'30	20°34'13
	-12806 Apr 03 j 00:42	0°♄			-12805 Mar 10 j 10:50	0°♄	
morning set	-12806 Apr 04 j 09:56	2°♄44'21		morning set	-12805 Mar 19 j 14:57	17°♄17'18	
				asc. node	-12805 Mar 20 j 07:52	18°♄43'38	
superior conj	-12806 Apr 12 j 17:42	19°♄18'04	1°21'22		-12805 Mar 25 j 19:18	0°♄	
minimum elong	-12806 Apr 12 j 14:39	19°♄03'09	1°20'13				
	-12806 Apr 18 j 08:18	0°♄		superior conj	-12805 Mar 27 j 08:47	3°♄11'12	1°00'34
max. Earth dist.	-12806 Apr 18 j 15:57	0°♄35'28	1.37565 AU	minimum elong	-12805 Mar 27 j 06:17	2°♄58'26	0°59'20
evening rise	-12806 Apr 22 j 16:24	7°♄52'55		max. Earth dist.	-12805 Mar 31 j 22:30	12°♄17'34	1.35944 AU
	-12806 May 06 j 00:28	0°♄		evening rise	-12805 Apr 05 j 06:45	20°♄33'51	
desc. node	-12806 May 20 j 23:53	21°♄08'37			-12805 Apr 10 j 12:29	0°♄	
evening max el	-12806 May 28 j 12:33	29°♄43'58	25°08'08		-12805 Apr 29 j 21:42	0°♄	
	-12806 May 28 j 19:00	0°♄		desc. node	-12805 May 07 j 21:23	9°♄52'07	
retrograde	-12806 Jun 09 j 07:45	6°♄41'11		evening max el	-12805 May 10 j 22:31	13°♄04'46	26°16'43
evening set	-12806 Jun 15 j 04:36	4°♄07'08		retrograde	-12805 May 23 j 15:12	20°♄26'05	
	-12806 Jun 18 j 20:57	30°♄		evening set	-12805 May 30 j 00:45	17°♄41'27	
min. Earth dist.	-12806 Jun 19 j 14:34	29°♄02'24	0.66787 AU	min. Earth dist.	-12805 Jun 03 j 02:29	13°♄15'54	0.66026 AU
inferior conj	-12806 Jun 20 j 12:05	27°♄50'59	-2°25'49	inferior conj	-12805 Jun 04 j 13:13	11°♄26'46	-2°54'44
minimum elong	-12806 Jun 20 j 14:17	27°♄43'42	2°25'16	minimum elong	-12805 Jun 04 j 15:16	11°♄20'21	2°54'37
morning rise	-12806 Jun 25 j 24:00	21°♄48'47		morning rise	-12805 Jun 10 j 05:55	5°♄37'01	
asc. node	-12806 Jun 29 j 11:48	20°♄32'29		direct	-12805 Jun 13 j 12:48	4°♄34'54	
direct	-12806 Jun 29 j 15:03	20°♄32'23		asc. node	-12805 Jun 16 j 08:30	5°♄17'59	

































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12805 Jun 20 j 11:26	8° X 30'51	19°04'46	morning rise	-12804 May 24 j 08:18	19° \approx 22'42	
	-12805 Jul 05 j 15:25	0° Y		direct	-12804 May 27 j 08:39	18° \approx 32'57	
morning set	-12805 Jul 12 j 18:58	11° Y 21'50		asc. node	-12804 Jun 02 j 05:14	21° \approx 26'32	
	-12805 Jul 24 j 12:59	0° Z		morning max el	-12804 Jun 02 j 22:05	22° \approx 07'22	18°26'38
max. Earth dist.	-12805 Jul 27 j 21:18	5° Z 17'46	1.44543 AU		-12804 Jun 09 j 01:48	0° X	
				morning set	-12804 Jun 22 j 08:20	21° X 26'26	
					-12804 Jun 27 j 13:08	0° Y	
superior conj	-12805 Jul 28 j 19:57	6° Z 47'25	0°34'14				
minimum elong	-12805 Jul 28 j 23:58	7° Z 03'22	0°34'16				
desc. node	-12805 Aug 03 j 17:27	16° Z 09'28		superior conj	-12804 Jul 06 j 21:06	15° Y 04'33	1°14'01
	-12805 Aug 12 j 08:12	0° II		minimum elong	-12804 Jul 07 j 03:42	15° Y 30'53	1°13'37
evening rise	-12805 Aug 13 j 11:21	1° II 49'58		max. Earth dist.	-12804 Jul 09 j 13:49	19° Y 22'09	1.44413 AU
	-12805 Aug 31 j 19:57	0° S			-12804 Jul 16 j 07:16	0° Z	
evening max el	-12805 Sep 02 j 22:25	2° S 22'07	18°44'28	desc. node	-12804 Jul 20 j 14:57	6° Z 47'25	
retrograde	-12805 Sep 09 j 16:27	6° S 08'36		evening rise	-12804 Jul 23 j 11:51	11° Z 17'37	
asc. node	-12805 Sep 12 j 09:31	5° S 27'14		greatest brilliancy	-12804 Aug 02 j 13:39	26° Z 59'39	-0.7m
evening set	-12805 Sep 12 j 15:57	5° S 18'42			-12804 Aug 04 j 12:51	0° II	
	-12805 Sep 18 j 06:58	30° R II		evening max el	-12804 Aug 16 j 07:49	15° II 53'16	19°28'45
inferior conj	-12805 Sep 18 j 14:53	29° II 36'20	1°51'53	retrograde	-12804 Aug 23 j 12:10	19° II 59'53	
minimum elong	-12805 Sep 18 j 12:19	29° II 43'59	1°51'49	evening set	-12804 Aug 26 j 20:25	18° II 55'06	
min. Earth dist.	-12805 Sep 20 j 08:20	27° II 32'17	0.64937 AU	asc. node	-12804 Aug 29 j 06:30	16° II 51'27	
morning rise	-12805 Sep 24 j 08:06	23° II 25'13		inferior conj	-12804 Sep 01 j 11:52	13° II 00'35	0°59'40
direct	-12805 Sep 30 j 21:21	20° II 43'16		minimum elong	-12804 Sep 01 j 10:30	13° II 04'58	0°59'56
morning max el	-12805 Oct 13 j 23:10	28° II 12'03	26°52'45	min. Earth dist.	-12804 Sep 02 j 17:17	11° II 26'20	0.65962 AU
	-12805 Oct 15 j 17:24	0° S		morning rise	-12804 Sep 07 j 00:15	6° II 42'24	
desc. node	-12805 Oct 30 j 16:30	19° S 18'05		direct	-12804 Sep 13 j 00:46	4° II 09'32	
	-12805 Nov 06 j 13:12	0° Q		morning max el	-12804 Sep 25 j 09:23	11° II 24'05	25°53'26
morning set	-12805 Nov 18 j 11:47	21° Q 11'09			-12804 Oct 10 j 09:31	0° S	
	-12805 Nov 22 j 23:19	0° R		desc. node	-12804 Oct 16 j 13:16	9° S 07'15	
max. Earth dist.	-12805 Nov 23 j 00:49	0° R 07'33	1.34711 AU		-12804 Oct 29 j 03:12	0° Q	
				morning set	-12804 Oct 31 j 09:43	4° Q 06'35	
superior conj	-12805 Nov 26 j 21:02	8° R 00'53	-1°29'09	max. Earth dist.	-12804 Nov 04 j 10:16	11° Q 39'07	1.36183 AU
minimum elong	-12805 Nov 26 j 22:32	8° R 08'43	1°28'45				
evening rise	-12805 Dec 04 j 06:21	23° R 31'27		superior conj	-12804 Nov 09 j 17:54	22° Q 07'12	-1°35'39
	-12805 Dec 07 j 10:42	0° A		minimum elong	-12804 Nov 09 j 18:26	22° Q 09'56	1°35'07
asc. node	-12805 Dec 09 j 07:34	3° A 38'57			-12804 Nov 13 j 14:43	0° R	
evening max el	-12805 Dec 24 j 12:58	25° A 52'00	21°28'50	evening rise	-12804 Nov 17 j 13:21	8° R 05'18	
	-12805 Dec 30 j 08:41	0° M		asc. node	-12804 Nov 25 j 05:00	22° R 49'32	
retrograde	-12804 Jan 05 j 08:09	1° M 25'43			-12804 Nov 29 j 15:47	0° A	
evening set	-12804 Jan 08 j 06:39	1° M 06'10		evening max el	-12804 Dec 05 j 19:33	7° A 24'48	20°10'08
	-12804 Jan 11 j 16:02	30° R A		retrograde	-12804 Dec 16 j 01:16	12° A 13'21	
inferior conj	-12804 Jan 17 j 06:00	27° A 05'41	2°20'00	evening set	-12804 Dec 18 j 16:42	11° A 55'34	
minimum elong	-12804 Jan 17 j 11:16	26° A 58'07	2°18'10	inferior conj	-12804 Dec 27 j 07:02	7° A 53'54	3°36'05
min. Earth dist.	-12804 Jan 17 j 17:16	26° A 49'33	0.55490 AU	minimum elong	-12804 Dec 27 j 12:14	7° A 45'58	3°35'03
morning rise	-12804 Jan 26 j 15:20	22° A 54'48		min. Earth dist.	-12804 Dec 29 j 06:12	6° A 42'09	0.56114 AU
desc. node	-12804 Jan 26 j 18:52	22° A 53'01		morning rise	-12803 Jan 05 j 06:00	3° A 23'41	
direct	-12804 Jan 29 j 10:57	22° A 37'04		direct	-12803 Jan 09 j 05:31	2° A 48'42	
morning max el	-12804 Feb 11 j 00:54	28° A 43'34	21°58'44	desc. node	-12803 Jan 12 j 15:28	3° A 15'18	
	-12804 Feb 12 j 07:32	0° M		morning max el	-12803 Jan 22 j 18:57	9° A 32'35	23°34'19
	-12804 Mar 01 j 23:34	0° X			-12803 Feb 06 j 16:41	0° M	
morning set	-12804 Mar 03 j 00:33	2° X 08'43		morning set	-12803 Feb 15 j 12:32	17° M 10'17	
asc. node	-12804 Mar 06 j 05:01	8° X 49'24		asc. node	-12803 Feb 21 j 02:16	29° M 03'36	
					-12803 Feb 21 j 12:46	0° X	
superior conj	-12804 Mar 10 j 08:43	17° X 34'43	0°37'41				
minimum elong	-12804 Mar 10 j 07:07	17° X 26'21	0°36'35	superior conj	-12803 Feb 22 j 14:37	2° X 18'37	0°14'07
max. Earth dist.	-12804 Mar 13 j 15:17	24° X 21'01	1.34646 AU	minimum elong	-12803 Feb 22 j 14:02	2° X 15'32	0°13'17
	-12804 Mar 16 j 10:43	0° Z		behind sun begin	-12803 Feb 22 j 11:13	2° X 00'24	
evening rise	-12804 Mar 18 j 13:02	4° Z 06'04		behind sun end	-12803 Feb 22 j 16:52	2° X 30'40	
	-12804 Apr 02 j 07:50	0° \approx		max. Earth dist.	-12803 Feb 24 j 17:47	6° X 50'54	1.33695 AU
evening max el	-12804 Apr 22 j 09:32	26° \approx 20'34	27°05'21	evening rise	-12803 Mar 02 j 06:33	18° X 13'59	
desc. node	-12804 Apr 23 j 18:47	27° \approx 39'32			-12803 Mar 08 j 10:23	0° Z	
	-12804 Apr 26 j 13:18	0° X			-12803 Mar 27 j 15:38	0° \approx	
retrograde	-12804 May 05 j 17:25	3° X 53'15		evening max el	-12803 Apr 04 j 19:48	9° \approx 18'38	27°26'59
evening set	-12804 May 12 j 12:09	1° X 08'02		desc. node	-12803 Apr 10 j 16:03	14° \approx 07'21	
	-12804 May 13 j 18:50	30° R \approx		retrograde	-12803 Apr 18 j 13:34	16° \approx 53'54	
min. Earth dist.	-12804 May 16 j 07:32	27° \approx 19'51	0.64880 AU	evening set	-12803 Apr 25 j 11:42	14° \approx 20'25	
inferior conj	-12804 May 18 j 08:38	24° \approx 57'24	-3°14'17	min. Earth dist.	-12803 Apr 29 j 04:01	11° \approx 03'29	0.63347 AU
minimum elong	-12804 May 18 j 10:01	24° \approx 53'24	3°14'38	inferior conj	-12803 May 01 j 19:34	8° \approx 17'07	-3°21'42

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12803 May 01 j 19:43	8°≈16'42	3°22'22	retrograde	-12802 Apr 01 j 03:03	29°≈19'46	
morning rise	-12803 May 08 j 04:44	2°≈59'52		evening set	-12802 Apr 07 j 20:10	27°≈10'30	
direct	-12803 May 10 j 23:44	2°≈20'58		min. Earth dist.	-12802 Apr 11 j 15:23	24°≈13'39	0.61500 AU
morning max el	-12803 May 17 j 11:31	5°≈44'12	18°06'11	inferior conj	-12802 Apr 14 j 18:47	21°≈19'12	-3°12'53
asc. node	-12803 May 20 j 02:00	8°≈41'45		minimum elong	-12802 Apr 14 j 17:17	21°≈22'40	3°13'32
	-12803 Jun 02 j 09:33	0°≈		morning rise	-12802 Apr 21 j 16:18	16°≈21'10	
morning set	-12803 Jun 03 j 22:39	2°≈40'44		direct	-12802 Apr 24 j 06:32	15°≈51'45	
				morning max el	-12802 May 01 j 01:14	19°≈15'38	18°04'07
superior conj	-12803 Jun 16 j 14:40	24°≈10'04	1°39'31	asc. node	-12802 May 06 j 22:49	26°≈49'10	
minimum elong	-12803 Jun 16 j 18:59	24°≈27'54	1°39'12		-12802 May 08 j 22:45	0°≈	
	-12803 Jun 20 j 04:11	0°≈		morning set	-12802 May 17 j 10:22	14°≈57'11	
max. Earth dist.	-12803 Jun 22 j 04:01	3°≈13'19	1.43600 AU		-12802 May 25 j 19:49	0°≈	
evening rise	-12803 Jul 02 j 15:18	19°≈46'16					
desc. node	-12803 Jul 07 j 12:31	27°≈18'39		superior conj	-12802 May 28 j 10:42	4°≈34'00	1°48'43
	-12803 Jul 09 j 06:43	0°≈		minimum elong	-12802 May 28 j 11:13	4°≈36'13	1°48'22
evening max el	-12803 Jul 30 j 11:19	29°≈21'29	20°28'12	max. Earth dist.	-12802 Jun 04 j 12:56	16°≈33'05	1.42222 AU
	-12803 Jul 31 j 02:48	0°≈		evening rise	-12802 Jun 11 j 17:48	28°≈12'04	
retrograde	-12803 Aug 07 j 08:56	3°≈57'59			-12802 Jun 12 j 21:08	0°≈	
evening set	-12803 Aug 11 j 04:03	2°≈35'08		desc. node	-12802 Jun 24 j 10:05	17°≈38'55	
	-12803 Aug 13 j 20:41	30°≈			-12802 Jul 03 j 00:22	0°≈	
asc. node	-12803 Aug 16 j 03:24	27°≈06'45		evening max el	-12802 Jul 13 j 07:42	12°≈44'33	21°40'18
inferior conj	-12803 Aug 16 j 13:57	26°≈31'22	0°08'12	retrograde	-12802 Jul 22 j 04:52	17°≈59'29	
minimum elong	-12803 Aug 16 j 13:45	26°≈32'01	0°08'48	evening set	-12802 Jul 26 j 12:41	16°≈16'15	
transit middle	-12803 Aug 16 j 13:45	26°≈32'01	0°08'48	inferior conj	-12802 Jul 31 j 19:03	10°≈05'58	-0°40'48
transit begin	-12803 Aug 16 j 11:26	26°≈39'48		minimum elong	-12802 Jul 31 j 19:52	10°≈03'08	0°39'57
transit end	-12803 Aug 16 j 16:04	26°≈24'14		min. Earth dist.	-12802 Aug 01 j 02:40	9°≈39'41	0.67108 AU
min. Earth dist.	-12803 Aug 17 j 08:11	25°≈30'05	0.66680 AU	asc. node	-12802 Aug 03 j 00:14	7°≈06'58	
morning rise	-12803 Aug 21 j 23:16	20°≈09'58		morning rise	-12802 Aug 06 j 02:57	3°≈45'14	
direct	-12803 Aug 27 j 09:35	17°≈51'57		direct	-12802 Aug 10 j 23:21	1°≈44'37	
morning max el	-12803 Sep 07 j 19:21	24°≈40'21	24°37'53	morning max el	-12802 Aug 21 j 06:13	7°≈56'20	23°14'38
	-12803 Sep 12 j 14:51	0°≈			-12802 Sep 07 j 09:19	0°≈	
desc. node	-12803 Oct 03 j 10:09	29°≈17'33		desc. node	-12802 Sep 20 j 07:07	19°≈41'47	
	-12803 Oct 03 j 20:53	0°≈		morning set	-12802 Sep 24 j 14:40	26°≈43'24	
morning set	-12803 Oct 13 j 12:24	16°≈01'47			-12802 Sep 26 j 13:46	0°≈	
max. Earth dist.	-12803 Oct 17 j 11:50	23°≈06'03	1.37996 AU	max. Earth dist.	-12802 Sep 29 j 11:00	4°≈54'54	1.39967 AU
	-12803 Oct 21 j 05:25	0°≈					
				superior conj	-12802 Oct 06 j 23:29	18°≈18'39	-1°26'08
superior conj	-12803 Oct 24 j 04:14	5°≈37'38	-1°35'18	minimum elong	-12802 Oct 06 j 20:48	18°≈06'20	1°25'09
minimum elong	-12803 Oct 24 j 03:18	5°≈33'09	1°34'35		-12802 Oct 13 j 04:57	0°≈	
evening rise	-12803 Nov 01 j 15:18	22°≈19'36		evening rise	-12802 Oct 16 j 09:30	6°≈06'17	
	-12803 Nov 05 j 13:41	0°≈		asc. node	-12802 Oct 29 j 23:42	29°≈13'40	
asc. node	-12803 Nov 12 j 02:23	11°≈25'05			-12802 Oct 30 j 14:48	0°≈	
evening max el	-12803 Nov 18 j 12:27	19°≈32'04	19°09'42	evening max el	-12802 Nov 01 j 14:40	2°≈10'01	18°29'33
retrograde	-12803 Nov 27 j 07:52	23°≈44'30		retrograde	-12802 Nov 09 j 07:49	5°≈58'06	
evening set	-12803 Nov 29 j 19:57	23°≈25'35		evening set	-12802 Nov 11 j 18:43	5°≈36'16	
inferior conj	-12803 Dec 07 j 22:23	19°≈09'34	4°13'04	inferior conj	-12802 Nov 19 j 08:37	1°≈00'11	4°13'54
minimum elong	-12803 Dec 08 j 00:10	19°≈06'28	4°13'06	minimum elong	-12802 Nov 19 j 06:56	1°≈03'34	4°14'11
min. Earth dist.	-12803 Dec 10 j 19:53	17°≈10'13	0.57427 AU		-12802 Nov 20 j 14:41	30°≈	
morning rise	-12803 Dec 16 j 02:23	14°≈15'15		min. Earth dist.	-12802 Nov 22 j 13:10	28°≈28'46	0.59149 AU
direct	-12803 Dec 21 j 10:09	13°≈09'20		morning rise	-12802 Nov 26 j 17:20	25°≈43'44	
desc. node	-12803 Dec 30 j 12:03	16°≈16'14		direct	-12802 Dec 03 j 02:35	24°≈00'11	
morning max el	-12802 Jan 04 j 09:39	20°≈15'03	25°08'49		-12802 Dec 15 j 17:35	0°≈	
	-12802 Jan 12 j 17:46	0°≈		morning max el	-12802 Dec 17 j 03:22	1°≈17'38	26°27'16
	-12802 Jan 29 j 23:05	0°≈		desc. node	-12802 Dec 17 j 08:35	1°≈30'11	
morning set	-12802 Jan 31 j 01:02	2°≈15'19			-12801 Jan 06 j 15:45	0°≈	
				morning set	-12801 Jan 15 j 12:15	17°≈16'48	
superior conj	-12802 Feb 07 j 00:16	17°≈15'39	-0°09'05		-12801 Jan 21 j 10:23	0°≈	
minimum elong	-12802 Feb 07 j 00:40	17°≈17'48	0°09'37				
behind sun begin	-12802 Feb 06 j 20:38	16°≈55'53		superior conj	-12801 Jan 22 j 11:50	2°≈19'03	-0°31'06
behind sun end	-12802 Feb 07 j 04:42	17°≈39'43		minimum elong	-12801 Jan 22 j 13:02	2°≈25'36	0°31'19
asc. node	-12802 Feb 07 j 23:32	19°≈21'47		max. Earth dist.	-12801 Jan 22 j 16:03	2°≈42'05	1.32801 AU
max. Earth dist.	-12802 Feb 08 j 03:11	19°≈41'28	1.33084 AU	asc. node	-12801 Jan 25 j 20:52	9°≈39'42	
	-12802 Feb 12 j 23:34	0°≈		evening rise	-12801 Jan 29 j 14:31	17°≈35'00	
evening rise	-12802 Feb 14 j 07:55	2°≈46'35			-12801 Feb 04 j 21:00	0°≈	
	-12802 Mar 01 j 07:39	0°≈			-12801 Feb 24 j 16:54	0°≈	
evening max el	-12802 Mar 18 j 03:00	21°≈47'22	27°16'55	evening max el	-12801 Feb 28 j 05:18	3°≈40'11	26°34'18
desc. node	-12802 Mar 28 j 13:13	28°≈45'31		retrograde	-12801 Mar 14 j 08:25	11°≈04'16	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12801 Mar 15 j 10:15	11° 	01'16	retrograde	-12800 Feb 24 j 03:11	22° 	05'42		
evening set	-12801 Mar 20 j 10:46	9° 	28'12	evening set	-12800 Feb 29 j 06:45	21° 	03'23		
min. Earth dist.	-12801 Mar 24 j 18:45	6° 	36'57	0.59513 AU	desc. node	-12800 Mar 01 j 07:11	20° 	37'05	
inferior conj	-12801 Mar 28 j 02:43	3° 	55'54	-2°42'22	min. Earth dist.	-12800 Mar 05 j 15:59	18° 	04'18	0.57655 AU
minimum elong	-12801 Mar 27 j 23:43	4° 	02'00	2°42'39	inferior conj	-12800 Mar 08 j 16:05	15° 	58'36	-1°44'35
	-12801 Apr 02 j 19:56	30° 			minimum elong	-12800 Mar 08 j 12:54	16° 	04'11	1°44'34
morning rise	-12801 Apr 04 j 15:30	29° 	17'34		morning rise	-12800 Mar 16 j 22:17	11° 	38'36	
direct	-12801 Apr 07 j 01:02	28° 	56'14		direct	-12800 Mar 19 j 03:31	11° 	23'20	
	-12801 Apr 11 j 01:56	0° 			morning max el	-12800 Mar 27 j 18:01	15° 	29'15	18°57'15
morning max el	-12801 Apr 14 j 12:26	2° 	33'57	18°20'58		-12800 Apr 07 j 00:19	0° 		
asc. node	-12801 Apr 23 j 19:40	15° 	36'55		asc. node	-12800 Apr 09 j 16:34	4° 	55'03	
morning set	-12801 Apr 30 j 14:47	28° 	05'14		morning set	-12800 Apr 13 j 07:27	11° 	53'35	
	-12801 May 01 j 15:03	0° 							
superior conj	-12801 May 10 j 08:04	16° 	14'21	1°44'44	superior conj	-12800 Apr 22 j 01:34	28° 	56'47	1°31'39
minimum elong	-12801 May 10 j 06:00	16° 	04'58	1°44'04	minimum elong	-12800 Apr 21 j 22:31	28° 	42'19	1°30'38
max. Earth dist.	-12801 May 17 j 15:55	29° 	10'59	1.40476 AU		-12800 Apr 22 j 14:51	0° 		
	-12801 May 18 j 03:22	0° 			max. Earth dist.	-12800 Apr 28 j 15:57	11° 	10'52	1.38607 AU
evening rise	-12801 May 22 j 16:24	7° 	37'21		evening rise	-12800 May 02 j 18:30	18° 	25'17	
	-12801 Jun 05 j 23:52	0° 				-12800 May 09 j 16:37	0° 		
desc. node	-12801 Jun 11 j 07:41	7° 	43'11		desc. node	-12800 May 28 j 05:16	27° 	23'59	
evening max el	-12801 Jun 25 j 21:47	26° 	04'30	23°00'45		-12800 May 30 j 05:12	0° 		
	-12801 Jun 30 j 11:15	0° 			evening max el	-12800 Jun 07 j 08:13	9° 	24'12	24°23'10
retrograde	-12801 Jul 05 j 22:30	2° 	02'01		retrograde	-12800 Jun 18 j 12:40	16° 	01'29	
evening set	-12801 Jul 10 j 20:23	29° 	57'34		evening set	-12800 Jun 24 j 01:16	13° 	37'13	
	-12801 Jul 10 j 19:15	30° 			min. Earth dist.	-12800 Jun 28 j 16:47	8° 	10'09	0.67055 AU
inferior conj	-12801 Jul 16 j 01:23	23° 	43'23	-1°25'51	inferior conj	-12800 Jun 29 j 07:10	7° 	21'23	-2°05'43
minimum elong	-12801 Jul 16 j 02:59	23° 	37'49	1°24'57	minimum elong	-12800 Jun 29 j 09:15	7° 	14'19	2°04'59
min. Earth dist.	-12801 Jul 15 j 22:21	23° 	05'51	0.67242 AU	morning rise	-12800 Jul 04 j 17:10	1° 	13'04	
asc. node	-12801 Jul 20 j 20:59	17° 	05'36		asc. node	-12800 Jul 06 j 17:42	0° 	06'30	
morning rise	-12801 Jul 21 j 09:30	17° 	02'03			-12800 Jul 07 j 01:53	30° 		
direct	-12801 Jul 25 j 17:12	15° 	44'18		direct	-12800 Jul 08 j 13:52	29° 	37'21	
morning max el	-12801 Aug 03 j 20:23	21° 	13'28	21°52'05		-12800 Jul 10 j 02:56	0° 		
	-12801 Aug 11 j 04:14	0° 			morning max el	-12800 Jul 16 j 16:11	4° 	34'51	20°37'03
	-12801 Aug 31 j 16:46	0° 				-12800 Aug 04 j 05:52	0° 		
morning set	-12801 Sep 04 j 14:58	6° 	10'19		morning set	-12800 Aug 13 j 21:02	14° 	47'09	
desc. node	-12801 Sep 07 j 04:13	10° 	15'27			-12800 Aug 23 j 11:54	0° 		
max. Earth dist.	-12801 Sep 11 j 13:39	17° 	26'17	1.41844 AU	max. Earth dist.	-12800 Aug 23 j 22:48	0° 	43'57	1.43357 AU
					desc. node	-12800 Aug 24 j 01:28	0° 	54'42	
superior conj	-12801 Sep 18 j 22:15	29° 	56'21	-1°06'01	superior conj	-12800 Aug 29 j 19:09	10° 	17'24	-0°33'49
minimum elong	-12801 Sep 18 j 18:20	29° 	39'19	1°04'48	minimum elong	-12800 Aug 29 j 16:05	10° 	04'45	0°32'40
	-12801 Sep 18 j 23:06	0° 				-12800 Sep 10 j 08:46	0° 		
evening rise	-12801 Sep 29 j 16:39	19° 	17'31		evening rise	-12800 Sep 11 j 08:22	1° 	42'59	
	-12801 Oct 05 j 14:32	0° 			evening max el	-12800 Sep 28 j 12:45	28° 	29'45	18°08'51
evening max el	-12801 Oct 15 j 23:47	15° 	11'43	18°09'34		-12800 Sep 30 j 04:40	0° 		
asc. node	-12801 Oct 16 j 20:56	16° 	01'24		asc. node	-12800 Oct 02 j 18:06	1° 	32'37	
retrograde	-12801 Oct 22 j 23:54	18° 	46'54		retrograde	-12800 Oct 05 j 04:32	2° 	02'18	
evening set	-12801 Oct 25 j 11:34	18° 	20'20		evening set	-12800 Oct 07 j 19:04	1° 	28'50	
inferior conj	-12801 Nov 01 j 13:10	13° 	22'53	3°49'18		-12800 Oct 10 j 06:36	30° 		
minimum elong	-12801 Nov 01 j 09:37	13° 	30'59	3°49'20	inferior conj	-12800 Oct 14 j 09:10	26° 	11'27	3°09'28
min. Earth dist.	-12801 Nov 04 j 13:09	10° 	39'30	0.60992 AU	minimum elong	-12800 Oct 14 j 05:21	26° 	21'19	3°09'14
morning rise	-12801 Nov 08 j 06:17	7° 	47'28		min. Earth dist.	-12800 Oct 16 j 22:24	23° 	34'14	0.62719 AU
direct	-12801 Nov 15 j 05:08	5° 	31'34		morning rise	-12800 Oct 20 j 14:38	20° 	19'41	
morning max el	-12801 Nov 29 j 03:08	12° 	56'08	27°17'29	direct	-12800 Oct 27 j 15:40	17° 	43'51	
desc. node	-12801 Dec 04 j 05:06	18° 	24'02		morning max el	-12800 Nov 10 j 08:48	25° 	13'28	27°33'44
	-12801 Dec 12 j 20:25	0° 				-12800 Nov 14 j 20:28	0° 		
	-12801 Dec 29 j 19:25	0° 			desc. node	-12800 Nov 20 j 01:39	6° 	30'11	
morning set	-12801 Dec 30 j 20:17	2° 	07'29			-12800 Dec 05 j 04:09	0° 		
max. Earth dist.	-12800 Jan 06 j 04:50	15° 	40'03	1.32855 AU	morning set	-12800 Dec 13 j 22:59	16° 	39'52	
					max. Earth dist.	-12800 Dec 19 j 14:02	28° 	23'32	1.33264 AU
superior conj	-12800 Jan 06 j 23:37	17° 	22'19	-0°51'14		-12800 Dec 20 j 08:03	0° 		
minimum elong	-12800 Jan 07 j 01:22	17° 	31'53	0°51'13					
asc. node	-12800 Jan 12 j 18:13	29° 	52'53		superior conj	-12800 Dec 21 j 09:57	2° 	19'27	-1°08'48
	-12800 Jan 12 j 19:34	0° 			minimum elong	-12800 Dec 21 j 11:56	2° 	30'10	1°08'35
evening rise	-12800 Jan 14 j 00:17	2° 	31'34		evening rise	-12800 Dec 28 j 11:29	17° 	30'08	
	-12800 Jan 29 j 01:38	0° 			asc. node	-12800 Dec 29 j 15:38	19° 	56'52	
evening max el	-12800 Feb 10 j 02:15	14° 	58'04	25°23'25		-12799 Jan 03 j 17:27	0° 		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12799 Jan 21 j 19:49	25° \mathbb{M} 53'48	23°54'15	asc. node	-12799 Dec 16 j 13:03	9° \mathbb{A} 45'19	
	-12799 Jan 27 j 02:19	0° \mathbb{A}			-12799 Dec 28 j 14:44	0° \mathbb{M}	
retrograde	-12799 Feb 04 j 09:25	2° \mathbb{A} 33'58		evening max el	-12798 Jan 03 j 14:22	6° \mathbb{M} 47'32	22°20'06
evening set	-12799 Feb 08 j 11:54	1° \mathbb{A} 56'46		retrograde	-12798 Jan 16 j 04:29	12° \mathbb{M} 48'24	
	-12799 Feb 13 j 00:44	30° \mathbb{R} \mathbb{M}		evening set	-12798 Jan 19 j 10:42	12° \mathbb{M} 25'01	
min. Earth dist.	-12799 Feb 15 j 09:06	28° \mathbb{M} 38'37	0.56238 AU	min. Earth dist.	-12798 Jan 27 j 23:52	8° \mathbb{M} 34'14	0.55522 AU
desc. node	-12799 Feb 16 j 03:59	28° \mathbb{M} 09'47		inferior conj	-12798 Jan 28 j 12:12	8° \mathbb{M} 16'32	1°23'26
inferior conj	-12799 Feb 17 j 09:54	27° \mathbb{M} 23'38	-0°18'47	minimum elong	-12798 Jan 28 j 15:39	8° \mathbb{M} 11'35	1°21'52
minimum elong	-12799 Feb 17 j 09:07	27° \mathbb{M} 24'50	0°19'15	desc. node	-12798 Feb 03 j 00:41	5° \mathbb{M} 23'50	
morning rise	-12799 Feb 26 j 08:52	23° \mathbb{M} 17'06		morning rise	-12798 Feb 06 j 21:24	4° \mathbb{M} 12'03	
direct	-12799 Feb 28 j 12:23	23° \mathbb{M} 05'01		direct	-12798 Feb 09 j 07:01	3° \mathbb{M} 58'43	
morning max el	-12799 Mar 10 j 15:03	27° \mathbb{M} 52'43	19°53'17	morning max el	-12798 Feb 21 j 01:13	9° \mathbb{M} 36'37	21°08'20
	-12799 Mar 12 j 16:01	0° \mathbb{A}			-12798 Mar 07 j 03:36	0° \mathbb{A}	
asc. node	-12799 Mar 27 j 13:35	24° \mathbb{A} 36'38		morning set	-12798 Mar 12 j 16:07	10° \mathbb{A} 54'53	
morning set	-12799 Mar 28 j 08:51	26° \mathbb{A} 13'10		asc. node	-12798 Mar 14 j 10:41	14° \mathbb{A} 34'53	
	-12799 Mar 30 j 05:45	0° \mathbb{B}					
				superior conj	-12798 Mar 20 j 05:20	26° \mathbb{A} 35'13	0°51'00
superior conj	-12799 Apr 05 j 10:04	12° \mathbb{B} 27'59	1°12'54	minimum elong	-12798 Mar 20 j 03:11	26° \mathbb{A} 24'08	0°49'50
minimum elong	-12799 Apr 05 j 07:11	12° \mathbb{B} 13'36	1°11'42		-12798 Mar 21 j 21:23	0° \mathbb{B}	
max. Earth dist.	-12799 Apr 10 j 18:51	22° \mathbb{B} 53'31	1.36846 AU	max. Earth dist.	-12798 Mar 24 j 05:39	4° \mathbb{B} 43'00	1.35350 AU
evening rise	-12799 Apr 14 j 21:18	0° \mathbb{A} 29'32		evening rise	-12798 Mar 28 j 19:02	13° \mathbb{B} 33'43	
	-12799 Apr 14 j 14:47	0° \mathbb{A}			-12798 Apr 06 j 23:54	0° \mathbb{A}	
	-12799 May 02 j 20:52	0° \mathbb{H}			-12798 Apr 27 j 15:18	0° \mathbb{H}	
desc. node	-12799 May 15 j 02:48	16° \mathbb{H} 31'53		desc. node	-12798 May 02 j 00:13	4° \mathbb{H} 53'33	
evening max el	-12799 May 20 j 17:53	22° \mathbb{H} 45'21	25°39'13	evening max el	-12798 May 03 j 04:13	6° \mathbb{H} 04'25	26°40'14
retrograde	-12799 Jun 01 j 22:38	29° \mathbb{H} 53'30		retrograde	-12798 May 16 j 03:54	13° \mathbb{H} 31'59	
evening set	-12799 Jun 08 j 01:17	27° \mathbb{H} 13'57		evening set	-12798 May 22 j 18:05	10° \mathbb{H} 45'21	
min. Earth dist.	-12799 Jun 12 j 07:37	22° \mathbb{H} 26'01	0.66515 AU	min. Earth dist.	-12798 May 26 j 16:43	6° \mathbb{H} 36'29	0.65588 AU
inferior conj	-12799 Jun 13 j 10:35	20° \mathbb{H} 58'26	-2°39'04	inferior conj	-12798 May 28 j 09:35	4° \mathbb{H} 32'10	-3°04'19
minimum elong	-12799 Jun 13 j 12:46	20° \mathbb{H} 51'19	2°38'43	minimum elong	-12798 May 28 j 11:25	4° \mathbb{H} 26'36	3°04'25
morning rise	-12799 Jun 19 j 00:17	15° \mathbb{H} 01'18			-12798 Jun 01 j 13:54	30° \mathbb{R} \mathbb{A}	
direct	-12799 Jun 22 j 11:44	13° \mathbb{H} 51'04		morning rise	-12798 Jun 03 j 04:59	28° \mathbb{A} 48'50	
asc. node	-12799 Jun 23 j 14:25	13° \mathbb{H} 57'56		direct	-12798 Jun 06 j 08:54	27° \mathbb{A} 52'16	
morning max el	-12799 Jun 29 j 18:33	18° \mathbb{H} 03'07	19°34'13	asc. node	-12798 Jun 10 j 11:09	29° \mathbb{A} 20'40	
	-12799 Jul 08 j 22:32	0° \mathbb{Y}			-12798 Jun 11 j 08:09	0° \mathbb{H}	
morning set	-12799 Jul 24 j 02:55	23° \mathbb{Y} 24'50		morning max el	-12798 Jun 13 j 02:45	1° \mathbb{H} 37'41	18°46'32
	-12799 Jul 28 j 07:40	0° \mathbb{B}			-12798 Jul 02 j 08:00	0° \mathbb{Y}	
max. Earth dist.	-12799 Aug 06 j 13:22	14° \mathbb{B} 34'54	1.44302 AU	morning set	-12798 Jul 04 j 02:10	2° \mathbb{Y} 50'26	
superior conj	-12799 Aug 09 j 12:54	19° \mathbb{B} 20'00	0°08'23	superior conj	-12798 Jul 19 j 14:02	27° \mathbb{Y} 36'14	0°52'25
minimum elong	-12799 Aug 09 j 13:57	19° \mathbb{B} 24'09	0°08'54	minimum elong	-12798 Jul 19 j 19:46	27° \mathbb{Y} 58'54	0°52'10
behind sun begin	-12799 Aug 09 j 04:33	18° \mathbb{B} 46'37		max. Earth dist.	-12798 Jul 20 j 05:54	28° \mathbb{Y} 39'00	1.44567 AU
behind sun end	-12799 Aug 09 j 23:20	20° \mathbb{B} 01'43			-12798 Jul 21 j 02:22	0° \mathbb{B}	
desc. node	-12799 Aug 10 j 22:50	21° \mathbb{B} 35'55		desc. node	-12798 Jul 28 j 20:19	12° \mathbb{B} 16'03	
	-12799 Aug 16 j 03:34	0° \mathbb{H}		evening rise	-12798 Aug 04 j 19:33	23° \mathbb{B} 21'02	
evening rise	-12799 Aug 24 j 03:07	13° \mathbb{H} 08'48			-12798 Aug 08 j 23:36	0° \mathbb{H}	
	-12799 Sep 03 j 08:47	0° \mathbb{B}		evening max el	-12798 Aug 26 j 14:14	25° \mathbb{H} 27'21	19°01'19
evening max el	-12799 Sep 12 j 02:32	11° \mathbb{B} 56'43	18°26'26	retrograde	-12798 Sep 02 j 11:57	29° \mathbb{H} 21'43	
retrograde	-12799 Sep 18 j 17:43	15° \mathbb{B} 35'46		evening set	-12798 Sep 05 j 14:50	28° \mathbb{H} 25'57	
asc. node	-12799 Sep 19 j 15:13	15° \mathbb{B} 31'23		asc. node	-12798 Sep 06 j 12:15	27° \mathbb{H} 50'00	
evening set	-12799 Sep 21 j 13:17	14° \mathbb{B} 52'44		inferior conj	-12798 Sep 11 j 10:20	22° \mathbb{H} 37'49	1°29'50
inferior conj	-12799 Sep 27 j 17:15	9° \mathbb{B} 18'19	2°21'25	minimum elong	-12798 Sep 11 j 08:16	22° \mathbb{H} 44'12	1°29'53
minimum elong	-12799 Sep 27 j 14:05	9° \mathbb{B} 27'21	2°21'14	min. Earth dist.	-12798 Sep 12 j 22:30	20° \mathbb{H} 45'58	0.65402 AU
min. Earth dist.	-12799 Sep 29 j 17:49	6° \mathbb{B} 59'57	0.64206 AU	morning rise	-12798 Sep 17 j 01:13	16° \mathbb{H} 22'59	
morning rise	-12799 Oct 03 j 14:12	3° \mathbb{B} 13'07		direct	-12798 Sep 23 j 09:11	13° \mathbb{H} 44'06	
direct	-12799 Oct 10 j 09:10	0° \mathbb{B} 30'25		morning max el	-12798 Oct 06 j 04:47	21° \mathbb{H} 08'53	26°30'10
morning max el	-12799 Oct 23 j 18:13	8° \mathbb{B} 01'41	27°16'21		-12798 Oct 13 j 23:56	0° \mathbb{B}	
desc. node	-12799 Nov 06 j 22:17	25° \mathbb{B} 27'06		desc. node	-12798 Oct 24 j 19:01	15° \mathbb{B} 00'23	
	-12799 Nov 10 j 00:12	0° \mathbb{Q}			-12798 Nov 03 j 02:59	0° \mathbb{Q}	
	-12799 Nov 27 j 08:33	0° \mathbb{H}		morning set	-12798 Nov 11 j 00:13	14° \mathbb{Q} 07'49	
morning set	-12799 Nov 27 j 17:28	0° \mathbb{H} 43'31		max. Earth dist.	-12798 Nov 15 j 07:27	22° \mathbb{Q} 25'45	1.35289 AU
max. Earth dist.	-12799 Dec 02 j 15:52	10° \mathbb{H} 40'10	1.34065 AU		-12798 Nov 19 j 01:43	0° \mathbb{H}	
superior conj	-12799 Dec 05 j 16:53	17° \mathbb{H} 02'34	-1°22'58	superior conj	-12798 Nov 19 j 18:13	1° \mathbb{H} 24'38	-1°32'39
minimum elong	-12799 Dec 05 j 18:42	17° \mathbb{H} 12'11	1°22'36	minimum elong	-12798 Nov 19 j 19:23	1° \mathbb{H} 30'36	1°32'11
	-12799 Dec 11 j 19:05	0° \mathbb{Q}		evening rise	-12798 Nov 27 j 07:19	17° \mathbb{H} 05'35	
evening rise	-12799 Dec 12 j 22:22	2° \mathbb{Q} 23'15		asc. node	-12798 Dec 03 j 10:29	29° \mathbb{H} 11'50	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12798 Dec 03 j 20:57	0°♊		asc. node	-12797 Nov 20 j 07:52	18°♊08'36	
evening max el	-12798 Dec 16 j 15:28	18°♊02'03	20°53'18	evening max el	-12797 Nov 29 j 02:30	29°♊49'55	19°42'05
retrograde	-12798 Dec 27 j 19:18	23°♊16'27			-12797 Nov 29 j 06:49	0°♊	
evening set	-12798 Dec 30 j 13:48	22°♊58'19		retrograde	-12797 Dec 08 j 16:54	4°♊21'24	
inferior conj	-12797 Jan 08 j 09:54	18°♊59'04	2°56'35	evening set	-12797 Dec 11 j 06:31	4°♊03'29	
minimum elong	-12797 Jan 08 j 15:41	18°♊50'37	2°54'56	inferior conj	-12797 Dec 19 j 16:02	29°♊57'19	3°56'43
min. Earth dist.	-12797 Jan 09 j 13:34	18°♊18'44	0.55658 AU	minimum elong	-12797 Dec 19 j 20:00	29°♊50'57	3°56'12
morning rise	-12797 Jan 17 j 16:22	14°♊40'52			-12797 Dec 19 j 14:21	30°♊♊	
direct	-12797 Jan 20 j 22:11	14°♊17'42		min. Earth dist.	-12797 Dec 22 j 02:52	28°♊23'33	0.56601 AU
desc. node	-12797 Jan 20 j 21:20	14°♊17'42		morning rise	-12797 Dec 28 j 07:24	25°♊16'33	
morning max el	-12797 Feb 03 j 00:23	20°♊42'22	22°38'38	direct	-12796 Jan 01 j 20:56	24°♊29'39	
	-12797 Feb 10 j 18:32	0°♊		desc. node	-12796 Jan 07 j 17:54	25°♊48'36	
morning set	-12797 Feb 25 j 02:55	25°♊51'02			-12796 Jan 14 j 02:35	0°♊	
	-12797 Feb 27 j 02:18	0°♊		morning max el	-12796 Jan 15 j 16:08	1°♊25'21	24°15'26
asc. node	-12797 Mar 01 j 07:52	4°♊44'31			-12796 Feb 04 j 05:26	0°♊	
				morning set	-12796 Feb 09 j 15:20	10°♊55'02	
superior conj	-12797 Mar 04 j 08:06	11°♊08'18	0°27'41	asc. node	-12796 Feb 16 j 05:05	25°♊01'04	
minimum elong	-12797 Mar 04 j 06:56	11°♊02'08	0°26'42				
max. Earth dist.	-12797 Mar 07 j 02:27	16°♊55'55	1.34196 AU	superior conj	-12796 Feb 16 j 15:51	25°♊59'07	0°04'13
evening rise	-12797 Mar 12 j 06:32	27°♊22'16		minimum elong	-12796 Feb 16 j 15:42	25°♊58'18	0°03'30
	-12797 Mar 13 j 15:02	0°♊		behind sun begin	-12796 Feb 16 j 10:41	25°♊31'12	
	-12797 Mar 31 j 06:30	0°♊		behind sun end	-12796 Feb 16 j 20:44	26°♊25'23	
evening max el	-12797 Apr 15 j 14:56	19°♊13'05	27°18'12	max. Earth dist.	-12796 Feb 18 j 08:11	29°♊35'37	1.33394 AU
desc. node	-12797 Apr 18 j 21:34	22°♊10'00			-12796 Feb 18 j 12:44	0°♊	
retrograde	-12797 Apr 29 j 03:51	26°♊48'42		evening rise	-12796 Feb 24 j 03:48	11°♊42'35	
evening set	-12797 May 06 j 00:51	24°♊06'40			-12796 Mar 04 j 21:32	0°♊	
min. Earth dist.	-12797 May 09 j 18:15	20°♊32'56	0.64266 AU		-12796 Mar 26 j 00:41	0°♊	
inferior conj	-12797 May 12 j 01:43	17°♊58'26	-3°19'10	evening max el	-12796 Mar 28 j 00:19	2°♊00'53	27°26'48
minimum elong	-12797 May 12 j 02:39	17°♊55'50	3°19'41	desc. node	-12796 Apr 04 j 18:46	7°♊55'38	
morning rise	-12797 May 18 j 05:07	12°♊31'06		retrograde	-12796 Apr 10 j 21:30	9°♊35'44	
direct	-12797 May 21 j 02:58	11°♊46'19		evening set	-12796 Apr 17 j 18:24	7°♊11'22	
morning max el	-12797 May 27 j 14:54	15°♊14'55	18°15'43	min. Earth dist.	-12796 Apr 21 j 11:05	4°♊04'17	0.62589 AU
asc. node	-12797 May 28 j 07:54	15°♊59'15		inferior conj	-12796 Apr 24 j 08:07	1°♊12'14	-3°20'19
	-12797 Jun 07 j 02:26	0°♊		minimum elong	-12796 Apr 24 j 07:36	1°♊13'30	3°21'00
morning set	-12797 Jun 15 j 02:16	13°♊24'14			-12796 Apr 25 j 13:24	30°♊♊	
	-12797 Jun 25 j 01:33	0°♊		morning rise	-12796 Apr 30 j 22:09	26°♊02'45	
				direct	-12796 May 03 j 15:00	25°♊08'06	
superior conj	-12797 Jun 28 j 20:01	6°♊07'41	1°26'53	morning max el	-12796 May 10 j 04:45	28°♊50'29	18°02'57
minimum elong	-12797 Jun 29 j 02:07	6°♊32'18	1°26'30		-12796 May 11 j 07:16	0°♊	
max. Earth dist.	-12797 Jul 02 j 21:13	12°♊37'35	1.44137 AU	asc. node	-12796 May 14 j 04:41	3°♊38'32	
	-12797 Jul 13 j 21:53	0°♊		morning set	-12796 May 27 j 02:19	25°♊06'36	
evening rise	-12797 Jul 15 j 09:19	2°♊18'04			-12796 May 29 j 20:53	0°♊	
desc. node	-12797 Jul 15 j 17:52	2°♊51'18					
greatest brilliancy	-12797 Jul 27 j 17:22	21°♊16'13	-0.7m	superior conj	-12796 Jun 08 j 00:27	15°♊45'14	1°45'17
	-12797 Aug 02 j 16:51	0°♊		minimum elong	-12796 Jun 08 j 03:07	15°♊56'27	1°45'00
evening max el	-12797 Aug 09 j 21:17	8°♊56'57	19°52'21	max. Earth dist.	-12796 Jun 14 j 09:07	26°♊16'10	1.43077 AU
retrograde	-12797 Aug 17 j 08:21	13°♊15'27			-12796 Jun 16 j 16:31	0°♊	
evening set	-12797 Aug 20 j 20:53	12°♊03'34		evening rise	-12796 Jun 23 j 09:24	10°♊37'03	
asc. node	-12797 Aug 24 j 09:13	8°♊39'14		desc. node	-12796 Jul 01 j 15:25	23°♊18'15	
inferior conj	-12797 Aug 26 j 09:44	6°♊04'51	0°37'39		-12796 Jul 06 j 02:36	0°♊	
minimum elong	-12797 Aug 26 j 08:52	6°♊07'41	0°38'03	evening max el	-12796 Jul 22 j 21:52	22°♊23'08	20°57'36
min. Earth dist.	-12797 Aug 27 j 10:22	4°♊44'02	0.66299 AU	retrograde	-12796 Jul 31 j 04:50	27°♊14'48	
morning rise	-12797 Aug 31 j 20:34	29°♊44'35		evening set	-12796 Aug 04 j 05:08	25°♊43'38	
	-12797 Aug 31 j 13:36	30°♊♊		inferior conj	-12796 Aug 09 j 13:18	19°♊37'02	-0°13'01
direct	-12797 Sep 06 j 15:06	27°♊17'17		minimum elong	-12796 Aug 09 j 13:33	19°♊36'09	0°12'16
	-12797 Sep 13 j 13:35	0°♊		transit middle	-12796 Aug 09 j 13:33	19°♊36'09	0°12'16
morning max el	-12797 Sep 18 j 14:47	4°♊22'59	25°22'43	transit begin	-12796 Aug 09 j 11:45	19°♊42'18	
	-12797 Oct 08 j 09:40	0°♊		transit end	-12796 Aug 09 j 15:22	19°♊30'00	
desc. node	-12797 Oct 11 j 15:50	4°♊59'03		min. Earth dist.	-12796 Aug 10 j 03:03	18°♊50'11	0.66904 AU
morning set	-12797 Oct 24 j 14:36	26°♊39'11		asc. node	-12796 Aug 10 j 06:06	18°♊39'52	
	-12797 Oct 26 j 10:55	0°♊		morning rise	-12796 Aug 14 j 21:49	13°♊15'29	
max. Earth dist.	-12797 Oct 28 j 12:34	3°♊49'51	1.36914 AU	direct	-12796 Aug 20 j 02:15	11°♊04'24	
				morning max el	-12796 Aug 31 j 00:38	17°♊37'59	24°02'45
superior conj	-12797 Nov 03 j 11:02	15°♊16'43	-1°36'27		-12796 Sep 10 j 08:06	0°♊	
minimum elong	-12797 Nov 03 j 11:01	15°♊16'35	1°35'52	desc. node	-12796 Sep 27 j 12:45	25°♊15'35	
	-12797 Nov 10 j 18:18	0°♊			-12796 Sep 30 j 11:23	0°♊	
evening rise	-12797 Nov 11 j 12:23	1°♊31'17		morning set	-12796 Oct 05 j 07:20	8°♊03'29	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12796 Oct 09 j 11:53	15° \mathfrak{C} 20'40	1.38828 AU		-12795 Sep 23 j 00:04	0° \mathfrak{C}	
superior conj	-12796 Oct 16 j 15:33	28° \mathfrak{C} 27'38	-1°32'37	superior conj	-12795 Sep 29 j 02:52	10° \mathfrak{C} 44'03	-1°19'03
minimum elong	-12796 Oct 16 j 13:53	28° \mathfrak{C} 19'44	1°31'49	minimum elong	-12795 Sep 28 j 23:31	10° \mathfrak{C} 29'02	1°17'58
	-12796 Oct 17 j 11:01	0° \mathfrak{Q}		evening rise	-12795 Oct 09 j 01:20	29° \mathfrak{C} 07'25	
evening rise	-12796 Oct 25 j 11:20	15° \mathfrak{Q} 34'11			-12795 Oct 09 j 12:31	0° \mathfrak{Q}	
	-12796 Nov 02 j 04:13	0° \mathfrak{P}		asc. node	-12795 Oct 24 j 02:32	23° \mathfrak{Q} 50'23	
asc. node	-12796 Nov 06 j 05:13	6° \mathfrak{P} 25'32		evening max el	-12795 Oct 25 j 05:10	25° \mathfrak{Q} 00'12	18°18'37
evening max el	-12796 Nov 10 j 23:40	12° \mathfrak{P} 11'07	18°50'12	retrograde	-12795 Nov 01 j 13:54	28° \mathfrak{Q} 41'38	
retrograde	-12796 Nov 19 j 06:29	16° \mathfrak{P} 11'16		evening set	-12795 Nov 04 j 00:56	28° \mathfrak{Q} 17'56	
evening set	-12796 Nov 21 j 18:03	15° \mathfrak{P} 51'10		inferior conj	-12795 Nov 11 j 09:29	23° \mathfrak{Q} 32'21	4°05'56
inferior conj	-12796 Nov 29 j 15:09	11° \mathfrak{P} 27'06	4°17'15	minimum elong	-12795 Nov 11 j 06:47	23° \mathfrak{Q} 38'03	4°06'09
minimum elong	-12796 Nov 29 j 15:19	11° \mathfrak{P} 26'48	4°17'31	min. Earth dist.	-12795 Nov 14 j 12:59	20° \mathfrak{Q} 53'43	0.59930 AU
min. Earth dist.	-12796 Dec 02 j 17:27	9° \mathfrak{P} 11'54	0.58128 AU	morning rise	-12795 Nov 18 j 11:04	18° \mathfrak{Q} 07'38	
morning rise	-12796 Dec 07 j 10:41	6° \mathfrak{P} 23'24		direct	-12795 Nov 25 j 03:30	16° \mathfrak{Q} 09'30	
direct	-12796 Dec 13 j 06:52	5° \mathfrak{P} 01'24		morning max el	-12795 Dec 09 j 03:23	23° \mathfrak{Q} 29'32	26°52'42
desc. node	-12796 Dec 24 j 14:27	9° \mathfrak{P} 49'52		desc. node	-12795 Dec 11 j 10:59	25° \mathfrak{Q} 50'24	
morning max el	-12796 Dec 27 j 07:10	12° \mathfrak{P} 12'26	25°45'00		-12795 Dec 15 j 01:56	0° \mathfrak{P}	
	-12795 Jan 10 j 03:44	0° \mathfrak{L}			-12794 Jan 03 j 02:08	0° \mathfrak{L}	
morning set	-12795 Jan 24 j 03:30	25° \mathfrak{L} 59'24		morning set	-12794 Jan 08 j 13:38	10° \mathfrak{L} 57'30	
	-12795 Jan 26 j 00:54	0° \mathfrak{M}					
superior conj	-12795 Jan 31 j 02:31	10° \mathfrak{M} 59'37	-0°18'35	superior conj	-12794 Jan 15 j 14:22	26° \mathfrak{L} 03'43	-0°39'54
minimum elong	-12795 Jan 31 j 03:16	11° \mathfrak{M} 03'46	0°19'00	minimum elong	-12794 Jan 15 j 15:50	26° \mathfrak{L} 11'45	0°40'01
max. Earth dist.	-12795 Jan 31 j 19:37	12° \mathfrak{M} 32'45	1.32928 AU	max. Earth dist.	-12794 Jan 15 j 09:08	25° \mathfrak{L} 35'06	1.32787 AU
asc. node	-12795 Feb 02 j 02:22	15° \mathfrak{M} 19'39			-12794 Jan 17 j 09:38	0° \mathfrak{M}	
evening rise	-12795 Feb 07 j 07:41	26° \mathfrak{M} 23'17		asc. node	-12794 Jan 19 j 23:41	5° \mathfrak{M} 36'06	
	-12795 Feb 09 j 02:18	0° \mathfrak{N}		evening rise	-12794 Jan 22 j 15:52	11° \mathfrak{M} 16'11	
	-12795 Feb 26 j 11:37	0° \mathfrak{Z}			-12794 Feb 01 j 09:07	0° \mathfrak{N}	
evening max el	-12795 Mar 10 j 05:51	14° \mathfrak{Z} 15'45	27°02'41	evening max el	-12794 Feb 20 j 05:46	25° \mathfrak{N} 52'40	26°07'01
desc. node	-12795 Mar 22 j 15:52	21° \mathfrak{Z} 37'13			-12794 Feb 25 j 06:50	0° \mathfrak{Z}	
retrograde	-12795 Mar 24 j 07:27	21° \mathfrak{Z} 44'24		retrograde	-12794 Mar 06 j 08:18	3° \mathfrak{Z} 10'30	
evening set	-12795 Mar 30 j 19:28	19° \mathfrak{Z} 48'53		desc. node	-12794 Mar 09 j 12:52	2° \mathfrak{Z} 45'05	
min. Earth dist.	-12795 Apr 03 j 18:55	16° \mathfrak{Z} 56'04	0.60665 AU	evening set	-12794 Mar 12 j 02:00	1° \mathfrak{Z} 49'03	
inferior conj	-12795 Apr 07 j 01:17	14° \mathfrak{Z} 04'54	-3°03'00		-12794 Mar 15 j 06:29	30° \mathfrak{R} 2'	
minimum elong	-12795 Apr 06 j 23:05	14° \mathfrak{Z} 09'45	3°03'31	min. Earth dist.	-12794 Mar 16 j 19:04	28° \mathfrak{N} 56'16	0.58699 AU
morning rise	-12795 Apr 14 j 04:55	9° \mathfrak{Z} 14'54		inferior conj	-12794 Mar 20 j 01:37	26° \mathfrak{N} 27'47	-2°21'24
direct	-12795 Apr 16 j 17:16	8° \mathfrak{Z} 48'59		minimum elong	-12794 Mar 19 j 22:17	26° \mathfrak{N} 34'08	2°21'31
morning max el	-12795 Apr 23 j 17:40	12° \mathfrak{Z} 16'58	18°08'53	morning rise	-12794 Mar 27 j 21:40	21° \mathfrak{N} 57'44	
asc. node	-12795 May 01 j 01:28	22° \mathfrak{Z} 04'17		direct	-12794 Mar 30 j 05:28	21° \mathfrak{N} 39'08	
	-12795 May 05 j 15:43	0° \mathfrak{A}		morning max el	-12794 Apr 07 j 02:50	25° \mathfrak{N} 26'33	18°34'01
morning set	-12795 May 09 j 21:44	7° \mathfrak{A} 46'43			-12794 Apr 11 j 01:00	0° \mathfrak{Z}	
				asc. node	-12794 Apr 17 j 22:19	11° \mathfrak{Z} 05'42	
superior conj	-12795 May 20 j 07:45	26° \mathfrak{A} 42'44	1°48'24	morning set	-12794 Apr 23 j 07:49	21° \mathfrak{Z} 13'05	
minimum elong	-12795 May 20 j 06:58	26° \mathfrak{A} 39'16	1°47'55		-12794 Apr 27 j 21:36	0° \mathfrak{A}	
	-12795 May 22 j 04:43	0° \mathfrak{H}		superior conj	-12794 May 02 j 14:22	8° \mathfrak{A} 51'28	1°40'04
max. Earth dist.	-12795 May 27 j 15:52	9° \mathfrak{H} 20'27	1.41520 AU	minimum elong	-12794 May 02 j 11:43	8° \mathfrak{A} 39'10	1°39'15
evening rise	-12795 Jun 02 j 18:37	19° \mathfrak{H} 22'51		max. Earth dist.	-12794 May 09 j 17:23	21° \mathfrak{A} 42'07	1.39684 AU
	-12795 Jun 09 j 12:25	0° \mathfrak{Y}		evening rise	-12794 May 14 j 04:43	29° \mathfrak{A} 22'12	
desc. node	-12795 Jun 18 j 12:59	13° \mathfrak{Y} 32'27			-12794 May 14 j 13:44	0° \mathfrak{H}	
	-12795 Jun 30 j 14:02	0° \mathfrak{B}			-12794 Jun 02 j 23:09	0° \mathfrak{Y}	
evening max el	-12795 Jul 05 j 15:29	5° \mathfrak{B} 45'08	22°13'51	desc. node	-12794 Jun 05 j 10:35	3° \mathfrak{Y} 27'50	
retrograde	-12795 Jul 14 j 23:49	11° \mathfrak{B} 17'22		evening max el	-12794 Jun 18 j 03:32	19° \mathfrak{Y} 04'09	23°35'59
evening set	-12795 Jul 19 j 13:36	9° \mathfrak{B} 24'58		retrograde	-12794 Jun 28 j 16:07	25° \mathfrak{Y} 19'24	
inferior conj	-12795 Jul 24 j 19:08	3° \mathfrak{B} 12'56	-1°00'29	evening set	-12794 Jul 03 j 20:22	23° \mathfrak{Y} 05'52	
minimum elong	-12795 Jul 24 j 20:19	3° \mathfrak{B} 08'49	0°59'35	min. Earth dist.	-12794 Jul 08 j 17:36	17° \mathfrak{Y} 17'35	0.67204 AU
min. Earth dist.	-12795 Jul 24 j 22:15	3° \mathfrak{B} 02'08	0.67208 AU	inferior conj	-12794 Jul 09 j 01:26	16° \mathfrak{Y} 50'38	-1°43'30
	-12795 Jul 27 j 04:40	30° \mathfrak{R} 9'		minimum elong	-12794 Jul 09 j 03:17	16° \mathfrak{Y} 44'15	1°42'39
asc. node	-12795 Jul 28 j 02:54	28° \mathfrak{Y} 53'09		morning rise	-12794 Jul 14 j 10:10	10° \mathfrak{Y} 37'32	
morning rise	-12795 Jul 30 j 02:57	26° \mathfrak{Y} 53'53		asc. node	-12794 Jul 14 j 23:38	10° \mathfrak{Y} 13'08	
direct	-12795 Aug 03 j 17:49	25° \mathfrak{Y} 00'56		direct	-12794 Jul 18 j 12:54	9° \mathfrak{Y} 02'25	
	-12795 Aug 12 j 14:52	0° \mathfrak{B}		morning max el	-12794 Jul 27 j 05:05	14° \mathfrak{Y} 13'21	21°18'59
morning max el	-12795 Aug 13 j 12:34	0° \mathfrak{B} 54'06	22°39'01		-12794 Aug 08 j 12:06	0° \mathfrak{B}	
	-12795 Sep 04 j 06:43	0° \mathfrak{I}		morning set	-12794 Aug 26 j 13:17	27° \mathfrak{B} 13'27	
desc. node	-12795 Sep 14 j 09:47	15° \mathfrak{I} 44'33			-12794 Aug 28 j 07:33	0° \mathfrak{I}	
morning set	-12795 Sep 15 j 22:22	18° \mathfrak{I} 12'23		desc. node	-12794 Sep 01 j 06:56	6° \mathfrak{I} 21'05	
max. Earth dist.	-12795 Sep 21 j 12:31	27° \mathfrak{I} 28'37	1.40795 AU	max. Earth dist.	-12794 Sep 03 j 18:16	10° \mathfrak{I} 22'04	1.42544 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12794 Sep 10 j 15:07	21°II50'00	-0°53'50		-12793 Aug 21 j 00:21	0°II	
minimum elong	-12794 Sep 10 j 11:12	21°II33'20	0°52'34				
	-12794 Sep 15 j 08:30	0°☾		superior conj	-12793 Aug 22 j 00:06	1°II36'28	-0°16'48
evening rise	-12794 Sep 22 j 02:34	12°☾00'51		minimum elong	-12793 Aug 21 j 22:25	1°II29'37	0°15'51
	-12794 Oct 02 j 11:45	0°♈		behind sun begin	-12793 Aug 21 j 19:54	1°II19'22	
evening max el	-12794 Oct 08 j 16:12	8°♈09'07	18°06'56	behind sun end	-12793 Aug 22 j 00:56	1°II39'53	
asc. node	-12794 Oct 10 j 23:47	10°♈07'26		evening rise	-12793 Sep 04 j 10:06	24°II02'51	
retrograde	-12794 Oct 15 j 11:58	11°♈42'27			-12793 Sep 07 j 21:35	0°☾	
evening set	-12794 Oct 18 j 00:28	11°♈13'21		evening max el	-12793 Sep 22 j 05:52	21°☾31'33	18°14'08
inferior conj	-12794 Oct 24 j 21:02	6°♈07'01	3°33'49	asc. node	-12793 Sep 27 j 20:57	25°☾00'49	
minimum elong	-12794 Oct 24 j 17:12	6°♈16'14	3°33'42	retrograde	-12793 Sep 28 j 20:38	25°☾05'54	
min. Earth dist.	-12794 Oct 27 j 16:50	3°♈24'16	0.61744 AU	evening set	-12793 Oct 01 j 12:55	24°☾28'52	
morning rise	-12794 Oct 31 j 08:42	0°♈23'58		inferior conj	-12793 Oct 07 j 22:34	19°☾04'06	2°49'45
	-12794 Oct 31 j 23:17	30°♈☾		minimum elong	-12793 Oct 07 j 18:57	19°☾13'53	2°49'30
direct	-12794 Nov 07 j 09:27	27°☾58'05		min. Earth dist.	-12793 Oct 10 j 06:37	16°☾33'19	0.63389 AU
	-12794 Nov 14 j 05:59	0°♈		morning rise	-12793 Oct 14 j 00:03	13°☾06'01	
morning max el	-12794 Nov 21 j 06:08	5°♈25'39	27°28'44	direct	-12793 Oct 20 j 23:21	10°☾25'22	
desc. node	-12794 Nov 28 j 07:31	13°♈17'40		morning max el	-12793 Nov 03 j 13:41	17°☾57'12	27°30'07
	-12794 Dec 09 j 20:47	0°♈			-12793 Nov 13 j 20:35	0°♈	
morning set	-12794 Dec 23 j 19:42	25°♈41'21		desc. node	-12793 Nov 15 j 04:06	1°♈47'22	
	-12794 Dec 25 j 21:38	0°♈			-12793 Dec 02 j 14:08	0°♈	
max. Earth dist.	-12794 Dec 29 j 20:50	8°♈28'04	1.32979 AU	morning set	-12793 Dec 07 j 19:16	10°♈02'28	
				max. Earth dist.	-12793 Dec 13 j 03:02	20°♈59'32	1.33548 AU
superior conj	-12794 Dec 31 j 01:44	11°♈04'47	-0°59'04				
minimum elong	-12794 Dec 31 j 03:37	11°♈15'06	0°58'56	superior conj	-12793 Dec 15 j 10:52	25°♈56'34	-1°15'19
asc. node	-12793 Jan 06 j 21:06	25°♈45'50		minimum elong	-12793 Dec 15 j 12:50	26°♈07'07	1°15'01
evening rise	-12793 Jan 07 j 02:26	26°♈13'51			-12793 Dec 17 j 08:11	0°♈	
	-12793 Jan 08 j 22:01	0°♈		evening rise	-12793 Dec 22 j 13:40	11°♈10'13	
	-12793 Jan 26 j 18:27	0°♈		asc. node	-12793 Dec 24 j 18:33	15°♈43'43	
evening max el	-12793 Feb 02 j 00:37	6°♈58'04	24°46'56		-12792 Jan 01 j 08:41	0°♈	
retrograde	-12793 Feb 15 j 22:14	13°♈56'27		evening max el	-12792 Jan 14 j 17:56	17°♈49'54	23°14'05
evening set	-12793 Feb 20 j 15:01	13°♈06'00		retrograde	-12792 Jan 27 j 23:35	24°♈14'55	
desc. node	-12793 Feb 24 j 09:44	11°♈20'04		evening set	-12792 Jan 31 j 16:08	23°♈45'11	
min. Earth dist.	-12793 Feb 26 j 14:16	10°♈00'10	0.56978 AU	min. Earth dist.	-12792 Feb 08 j 06:32	20°♈14'49	0.55824 AU
inferior conj	-12793 Mar 01 j 06:33	8°♈14'20	-1°11'17	inferior conj	-12792 Feb 09 j 16:50	19°♈24'00	0°23'52
minimum elong	-12793 Mar 01 j 04:03	8°♈18'29	1°11'21	minimum elong	-12792 Feb 09 j 17:48	19°♈22'33	0°22'56
morning rise	-12793 Mar 09 j 20:18	4°♈01'24		desc. node	-12792 Feb 11 j 06:30	18°♈28'46	
direct	-12793 Mar 12 j 00:06	3°♈48'01		morning rise	-12792 Feb 18 j 21:21	15°♈19'50	
morning max el	-12793 Mar 21 j 05:15	8°♈10'03	19°18'44	direct	-12792 Feb 21 j 01:51	15°♈08'01	
asc. node	-12793 Apr 04 j 19:16	0°♈34'41		morning max el	-12792 Mar 02 j 21:54	20°♈17'23	20°23'03
	-12793 Apr 04 j 12:05	0°♈			-12792 Mar 10 j 14:56	0°♈	
morning set	-12793 Apr 07 j 04:36	5°♈15'57		morning set	-12792 Mar 21 j 08:49	19°♈45'48	
				asc. node	-12792 Mar 21 j 16:19	20°♈23'57	
superior conj	-12793 Apr 15 j 14:53	21°♈56'56	1°24'13		-12792 Mar 26 j 08:41	0°♈	
minimum elong	-12793 Apr 15 j 11:48	21°♈41'59	1°23'07				
	-12793 Apr 19 j 20:09	0°♈		superior conj	-12792 Mar 29 j 04:25	5°♈44'48	1°03'53
max. Earth dist.	-12793 Apr 21 j 17:31	3°♈30'23	1.37828 AU	minimum elong	-12792 Mar 29 j 01:47	5°♈31'31	1°02'41
evening rise	-12793 Apr 25 j 18:00	10°♈44'43		max. Earth dist.	-12792 Apr 02 j 23:00	15°♈11'57	1.36167 AU
	-12793 May 07 j 07:43	0°♈		evening rise	-12792 Apr 07 j 05:35	23°♈16'54	
desc. node	-12793 May 23 j 08:10	22°♈56'31			-12792 Apr 10 j 22:49	0°♈	
	-12793 May 29 j 06:12	0°♈			-12792 Apr 29 j 23:12	0°♈	
evening max el	-12793 May 31 j 13:09	2°♈24'15	24°56'46	desc. node	-12792 May 09 j 05:40	11°♈46'59	
retrograde	-12793 Jun 12 j 04:47	9°♈16'54		evening max el	-12792 May 12 j 23:06	15°♈45'44	26°07'34
evening set	-12793 Jun 17 j 23:29	6°♈45'16		retrograde	-12792 May 25 j 12:55	23°♈03'51	
min. Earth dist.	-12793 Jun 22 j 10:51	1°♈34'34	0.66866 AU	evening set	-12792 May 31 j 20:44	20°♈20'21	
inferior conj	-12793 Jun 23 j 06:28	0°♈29'01	-2°20'45	min. Earth dist.	-12792 Jun 04 j 23:38	15°♈48'55	0.66167 AU
minimum elong	-12793 Jun 23 j 08:39	0°♈21'45	2°20'11	inferior conj	-12792 Jun 06 j 08:18	14°♈05'23	-2°50'54
	-12793 Jun 23 j 15:10	30°♈♈		minimum elong	-12792 Jun 06 j 10:23	13°♈58'44	2°50'44
morning rise	-12793 Jun 28 j 17:49	24°♈25'03		morning rise	-12792 Jun 12 j 00:08	8°♈13'31	
asc. node	-12793 Jul 01 j 20:20	23°♈08'14		direct	-12792 Jun 15 j 08:10	7°♈09'18	
direct	-12793 Jul 02 j 10:15	23°♈06'20		asc. node	-12792 Jun 17 j 17:02	7°♈39'57	
morning max el	-12793 Jul 10 j 03:45	27°♈38'18	20°08'36	morning max el	-12792 Jun 22 j 08:40	11°♈09'09	19°11'51
	-12793 Jul 12 j 06:49	0°♈			-12792 Jul 05 j 22:01	0°♈	
	-12793 Aug 02 j 00:03	0°♈		morning set	-12792 Jul 15 j 04:19	14°♈37'15	
morning set	-12793 Aug 05 j 16:45	5°♈43'58			-12792 Jul 24 j 21:39	0°♈	
max. Earth dist.	-12793 Aug 17 j 05:30	23°♈54'12	1.43836 AU	max. Earth dist.	-12792 Jul 29 j 20:51	7°♈51'27	1.44505 AU
desc. node	-12793 Aug 19 j 04:16	27°♈01'54					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12792 Jul 31 j 08:41	10° 8 13'31	0°27'33		-12791 Jun 28 j 22:04	0° Y	
minimum elong	-12792 Jul 31 j 11:58	10° 8 26'32	0°27'40				
desc. node	-12792 Aug 05 j 01:43	17° 8 43'18		superior conj	-12791 Jul 10 j 09:00	18° Y 27'54	1°08'48
	-12792 Aug 12 j 16:45	0° II		minimum elong	-12791 Jul 10 j 15:34	18° Y 53'59	1°08'25
evening rise	-12792 Aug 15 j 18:05	4° II 58'20		max. Earth dist.	-12791 Jul 12 j 13:38	21° Y 56'57	1.44476 AU
	-12792 Aug 31 j 15:46	0° ☾			-12791 Jul 17 j 15:48	0° 8	
evening max el	-12792 Sep 04 j 19:11	5° ☾ 01'15	18°39'17	desc. node	-12791 Jul 22 j 23:12	8° 8 21'54	
retrograde	-12792 Sep 11 j 12:12	8° ☾ 45'24		evening rise	-12791 Jul 26 j 22:35	14° 8 37'13	
asc. node	-12792 Sep 13 j 18:00	8° ☾ 17'16			-12791 Aug 05 j 18:22	0° II	
evening set	-12792 Sep 14 j 10:38	7° ☾ 57'20		evening max el	-12791 Aug 19 j 05:13	18° II 32'17	19°21'11
inferior conj	-12792 Sep 20 j 10:49	2° ☾ 16'58	1°59'45	retrograde	-12791 Aug 26 j 07:35	22° II 35'25	
minimum elong	-12792 Sep 20 j 08:05	2° ☾ 25'02	1°59'38	evening set	-12791 Aug 29 j 14:25	21° II 33'01	
	-12792 Sep 22 j 09:14	30° R II		asc. node	-12791 Aug 31 j 15:00	19° II 55'02	
min. Earth dist.	-12792 Sep 22 j 06:06	0° ☾ 09'04	0.64758 AU	inferior conj	-12791 Sep 04 j 06:51	15° II 39'58	1°07'34
morning rise	-12792 Sep 26 j 04:56	26° II 07'24		minimum elong	-12791 Sep 04 j 05:18	15° II 44'54	1°07'47
direct	-12792 Oct 02 j 19:51	23° II 24'55		min. Earth dist.	-12791 Sep 05 j 13:56	14° II 01'11	0.65824 AU
	-12792 Oct 15 j 00:59	0° ☾		morning rise	-12791 Sep 09 j 19:49	9° II 22'37	
morning max el	-12792 Oct 15 j 23:37	0° ☾ 54'25	26°59'43	direct	-12791 Sep 15 j 22:17	6° II 48'06	
desc. node	-12792 Nov 01 j 00:49	21° ☾ 01'47		morning max el	-12791 Sep 28 j 09:56	14° II 05'32	26°03'36
	-12792 Nov 06 j 20:46	0° ♊			-12791 Oct 11 j 12:15	0° ☾	
morning set	-12792 Nov 20 j 09:16	23° ♊ 51'12		desc. node	-12791 Oct 18 j 21:34	10° ☾ 47'14	
	-12792 Nov 23 j 12:23	0° ♐			-12791 Oct 30 j 13:44	0° ♊	
max. Earth dist.	-12792 Nov 25 j 00:36	3° ♐ 02'31	1.34531 AU	morning set	-12791 Nov 03 j 09:37	6° ♊ 54'31	
				max. Earth dist.	-12791 Nov 07 j 11:42	14° ♊ 37'53	1.35940 AU
superior conj	-12792 Nov 28 j 15:46	10° ♐ 32'28	-1°27'43	superior conj	-12791 Nov 12 j 13:51	24° ♊ 43'07	-1°35'05
minimum elong	-12792 Nov 28 j 17:22	10° ♐ 40'50	1°27'18	minimum elong	-12791 Nov 12 j 14:35	24° ♊ 46'48	1°34'35
evening rise	-12792 Dec 05 j 23:58	26° ♐ 00'00			-12791 Nov 15 j 03:55	0° ♐	
	-12792 Dec 07 j 22:39	0° ♊		evening rise	-12791 Nov 20 j 07:30	10° ♐ 36'23	
asc. node	-12792 Dec 10 j 16:00	5° ♊ 24'07		asc. node	-12791 Nov 27 j 13:24	24° ♐ 39'20	
evening max el	-12792 Dec 26 j 14:55	28° ♊ 51'27	21°41'45		-12791 Nov 30 j 17:25	0° ♊	
	-12792 Dec 27 j 21:49	0° ♌		evening max el	-12791 Dec 08 j 19:57	10° ♊ 19'09	20°20'43
retrograde	-12791 Jan 07 j 15:11	4° ♌ 32'05		retrograde	-12791 Dec 19 j 07:22	15° ♊ 14'17	
evening set	-12791 Jan 10 j 15:26	4° ♌ 11'46		evening set	-12791 Dec 21 j 23:27	14° ♊ 56'29	
inferior conj	-12791 Jan 19 j 15:38	0° ♌ 09'51	2°05'46	inferior conj	-12791 Dec 30 j 15:23	10° ♊ 55'47	3°27'00
minimum elong	-12791 Jan 19 j 20:32	0° ♌ 02'51	2°03'57	minimum elong	-12791 Dec 30 j 20:51	10° ♊ 47'31	3°25'46
	-12791 Jan 19 j 22:32	30° R ♊		min. Earth dist.	-12790 Jan 01 j 09:49	9° ♊ 52'04	0.55975 AU
min. Earth dist.	-12791 Jan 19 j 20:49	0° ♌ 02'26	0.55472 AU	morning rise	-12790 Jan 08 j 16:39	6° ♊ 28'57	
desc. node	-12791 Jan 28 j 03:09	26° ♊ 13'59		direct	-12790 Jan 12 j 11:15	5° ♊ 57'34	
morning rise	-12791 Jan 29 j 01:24	26° ♊ 01'10		desc. node	-12790 Jan 14 j 23:45	6° ♊ 12'01	
direct	-12791 Jan 31 j 18:02	25° ♊ 44'51		morning max el	-12790 Jan 25 j 22:17	12° ♊ 36'47	23°19'48
	-12791 Feb 11 j 03:51	0° ♌			-12790 Feb 07 j 23:41	0° ♌	
morning max el	-12791 Feb 13 j 03:05	1° ♌ 44'06	21°45'15	morning set	-12790 Feb 18 j 05:35	19° ♌ 35'17	
	-12791 Mar 03 j 12:00	0° ♈		asc. node	-12790 Feb 23 j 10:40	0° ♈ 41'04	
morning set	-12791 Mar 05 j 17:52	4° ♈ 34'59			-12790 Feb 23 j 03:01	0° ♈	
asc. node	-12791 Mar 08 j 13:28	10° ♈ 28'00					
superior conj	-12791 Mar 13 j 03:13	20° ♈ 04'16	0°41'13	superior conj	-12790 Feb 25 j 08:21	4° ♈ 45'30	0°17'41
minimum elong	-12791 Mar 13 j 01:28	19° ♈ 55'09	0°40'06	minimum elong	-12790 Feb 25 j 07:37	4° ♈ 41'37	0°16'48
max. Earth dist.	-12791 Mar 16 j 14:19	27° ♈ 11'50	1.34819 AU	max. Earth dist.	-12790 Feb 27 j 15:23	9° ♈ 37'14	1.33814 AU
	-12791 Mar 17 j 23:44	0° ♉		evening rise	-12790 Mar 05 j 01:50	20° ♈ 45'16	
evening rise	-12791 Mar 21 j 09:47	6° ♉ 42'14			-12790 Mar 09 j 21:19	0° ♉	
	-12791 Apr 03 j 14:50	0° ♊			-12790 Mar 28 j 14:01	0° ♊	
evening max el	-12791 Apr 25 j 10:00	29° ♊ 02'43	26°59'39	evening max el	-12790 Apr 07 j 20:24	12° ♊ 03'44	27°25'42
desc. node	-12791 Apr 26 j 03:01	29° ♊ 43'52		desc. node	-12790 Apr 13 j 00:16	16° ♊ 25'22	
	-12791 Apr 26 j 09:51	0° ♈		retrograde	-12790 Apr 21 j 12:58	19° ♊ 39'23	
retrograde	-12791 May 08 j 15:49	6° ♈ 34'03		evening set	-12790 Apr 28 j 11:07	17° ♊ 03'08	
evening set	-12791 May 15 j 09:36	3° ♈ 48'07		min. Earth dist.	-12790 May 02 j 03:29	13° ♊ 42'20	0.63595 AU
min. Earth dist.	-12791 May 19 j 05:46	29° ♊ 54'45	0.65079 AU	inferior conj	-12790 May 04 j 17:03	10° ♊ 58'31	-3°21'38
	-12791 May 19 j 03:56	30° R ♊		minimum elong	-12790 May 04 j 17:26	10° ♊ 57'30	3°22'14
inferior conj	-12791 May 21 j 04:42	27° ♊ 36'50	-3°12'05	morning rise	-12790 May 11 j 00:38	5° ♊ 38'43	
minimum elong	-12791 May 21 j 06:13	27° ♊ 32'23	3°12'22	direct	-12790 May 13 j 20:22	4° ♊ 58'21	
morning rise	-12791 May 27 j 03:11	21° ♊ 59'50		morning max el	-12790 May 20 j 07:55	8° ♊ 22'33	18°08'07
direct	-12791 May 30 j 04:28	21° ♊ 08'19		asc. node	-12790 May 22 j 10:31	10° ♊ 43'16	
asc. node	-12791 Jun 04 j 13:46	23° ♊ 36'56			-12790 Jun 03 j 18:34	0° ♈	
morning max el	-12791 Jun 05 j 18:44	24° ♊ 45'05	18°31'13	morning set	-12790 Jun 07 j 00:39	5° ♈ 35'52	
	-12791 Jun 10 j 02:32	0° ♈					
morning set	-12791 Jun 25 j 13:53	24° ♈ 31'25		superior conj	-12790 Jun 19 j 23:13	27° ♈ 23'59	1°36'45

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12790 Jun 20 j 04:05	27° H 43'56	1°36'26	morning set	-12789 May 20 j 09:29	17° \approx 43'41	
	-12790 Jun 21 j 13:24	0° Y			-12789 May 27 j 06:19	0° H	
max. Earth dist.	-12790 Jun 25 j 04:20	5° Y 51'27	1.43757 AU				
evening rise	-12790 Jul 06 j 04:13	23° Y 12'13		superior conj	-12789 May 31 j 15:12	7° H 35'55	1°48'18
desc. node	-12790 Jul 09 j 20:44	28° Y 54'32		minimum elong	-12789 May 31 j 16:15	7° H 40'25	1°47'57
	-12790 Jul 10 j 13:45	0° B		max. Earth dist.	-12789 Jun 07 j 13:53	19° H 15'52	1.42453 AU
	-12790 Jul 31 j 13:14	0° II			-12789 Jun 14 j 05:32	0° Y	
evening max el	-12790 Aug 02 j 09:39	2° II 00'59	20°18'27	evening rise	-12789 Jun 15 j 05:18	1° Y 33'58	
retrograde	-12790 Aug 10 j 04:21	6° II 32'41		desc. node	-12789 Jun 26 j 18:19	19° Y 16'48	
evening set	-12790 Aug 13 j 21:41	5° II 12'45			-12789 Jul 04 j 02:53	0° B	
asc. node	-12790 Aug 18 j 11:54	0° II 17'49		evening max el	-12789 Jul 16 j 07:05	15° B 24'55	21°28'54
	-12790 Aug 18 j 17:18	30° R B		retrograde	-12789 Jul 25 j 00:31	20° B 33'47	
inferior conj	-12790 Aug 19 j 08:17	29° B 10'05	0°15'51	evening set	-12789 Jul 29 j 06:16	18° B 53'49	
minimum elong	-12790 Aug 19 j 07:55	29° B 11'19	0°16'25	inferior conj	-12789 Aug 03 j 13:03	12° B 44'23	-0°33'37
min. Earth dist.	-12790 Aug 20 j 04:08	28° B 03'43	0.66591 AU	minimum elong	-12789 Aug 03 j 13:44	12° B 42'02	0°32'47
morning rise	-12790 Aug 24 j 17:56	22° B 48'48		min. Earth dist.	-12789 Aug 03 j 22:16	12° B 12'39	0.67065 AU
direct	-12790 Aug 30 j 06:19	20° B 28'20		asc. node	-12789 Aug 05 j 08:44	10° B 16'21	
morning max el	-12790 Sep 10 j 19:57	27° B 21'44	24°49'47	morning rise	-12789 Aug 08 j 21:03	6° B 23'12	
	-12790 Sep 13 j 07:38	0° II		direct	-12789 Aug 13 j 19:30	4° B 19'48	
	-12790 Oct 05 j 04:28	0° B		morning max el	-12789 Aug 24 j 06:28	10° B 37'37	23°27'05
desc. node	-12790 Oct 05 j 18:26	0° B 54'45			-12789 Sep 08 j 13:38	0° II	
morning set	-12790 Oct 16 j 15:26	18° B 59'19		desc. node	-12789 Sep 22 j 15:24	21° II 17'16	
max. Earth dist.	-12790 Oct 20 j 14:00	26° B 02'59	1.37709 AU	morning set	-12789 Sep 27 j 21:34	29° II 52'19	
	-12790 Oct 22 j 17:16	0° Ω			-12789 Sep 27 j 23:25	0° B	
				max. Earth dist.	-12789 Oct 02 j 12:45	7° B 45'25	1.39673 AU
superior conj	-12790 Oct 27 j 01:56	8° Ω 19'09	-1°35'53				
minimum elong	-12790 Oct 27 j 01:15	8° Ω 15'50	1°35'13	superior conj	-12789 Oct 09 j 23:45	21° B 08'24	-1°28'11
evening rise	-12790 Nov 04 j 10:17	24° Ω 53'32		minimum elong	-12789 Oct 09 j 21:19	20° B 57'11	1°27'16
	-12790 Nov 07 j 00:24	0° B			-12789 Oct 14 j 16:40	0° Ω	
asc. node	-12790 Nov 14 j 10:46	13° B 20'42		evening rise	-12789 Oct 19 j 05:48	8° Ω 44'37	
evening max el	-12790 Nov 21 j 11:16	22° B 21'03	19°17'26		-12789 Oct 31 j 09:15	0° B	
retrograde	-12790 Nov 30 j 11:26	26° B 38'10		asc. node	-12789 Nov 01 j 08:05	1° B 17'15	
evening set	-12790 Dec 02 j 23:48	26° B 19'36		evening max el	-12789 Nov 04 j 12:16	4° B 55'08	18°34'17
inferior conj	-12790 Dec 11 j 04:05	22° B 06'23	4°10'00	retrograde	-12789 Nov 12 j 08:40	8° B 45'51	
minimum elong	-12790 Dec 11 j 06:28	22° B 02'20	4°09'56	evening set	-12789 Nov 14 j 19:40	8° B 24'32	
min. Earth dist.	-12790 Dec 13 j 23:19	20° B 13'08	0.57198 AU	inferior conj	-12789 Nov 22 j 11:26	3° B 51'47	4°15'40
morning rise	-12790 Dec 19 j 11:05	17° B 15'22		minimum elong	-12789 Nov 22 j 10:11	3° B 54'14	4°15'59
direct	-12790 Dec 24 j 14:12	16° B 14'42		min. Earth dist.	-12789 Nov 25 j 15:53	1° B 23'49	0.58877 AU
desc. node	-12789 Jan 01 j 20:20	18° B 49'40			-12789 Nov 27 j 15:25	30° R Ω	
morning max el	-12789 Jan 07 j 13:03	23° B 18'27	24°55'23	morning rise	-12789 Nov 29 j 22:50	28° Ω 38'33	
	-12789 Jan 13 j 13:13	0° Ω		direct	-12789 Dec 06 j 05:09	27° Ω 00'21	
	-12789 Jan 31 j 11:56	0° B			-12789 Dec 14 j 23:11	0° B	
morning set	-12789 Feb 02 j 18:04	4° B 40'06		desc. node	-12789 Dec 19 j 16:53	3° B 45'52	
				morning max el	-12789 Dec 20 j 05:55	4° B 16'33	26°17'10
superior conj	-12789 Feb 09 j 17:32	19° B 41'03	-0°05'38		-12788 Jan 08 j 00:17	0° Ω	
minimum elong	-12789 Feb 09 j 17:48	19° B 42'27	0°06'13	morning set	-12788 Jan 18 j 05:36	19° Ω 42'57	
behind sun begin	-12789 Feb 09 j 13:06	19° B 17'00			-12788 Jan 23 j 00:49	0° B	
behind sun end	-12789 Feb 09 j 22:29	20° B 07'53					
asc. node	-12789 Feb 10 j 07:55	20° B 58'54		superior conj	-12788 Jan 25 j 04:57	4° B 44'27	-0°27'51
max. Earth dist.	-12789 Feb 10 j 23:50	22° B 24'54	1.33152 AU	minimum elong	-12788 Jan 25 j 06:02	4° B 50'25	0°28'08
	-12789 Feb 14 j 13:16	0° B		max. Earth dist.	-12788 Jan 25 j 12:26	5° B 25'20	1.32823 AU
evening rise	-12789 Feb 17 j 02:11	5° B 14'49		asc. node	-12788 Jan 28 j 05:13	11° B 17'32	
	-12789 Mar 02 j 13:42	0° B		evening rise	-12788 Feb 01 j 08:10	20° B 02'01	
evening max el	-12789 Mar 21 j 04:08	24° B 37'19	27°20'32		-12788 Feb 06 j 07:55	0° B	
	-12789 Mar 28 j 00:30	0° \approx			-12788 Feb 25 j 07:05	0° B	
desc. node	-12789 Mar 30 j 21:26	1° \approx 22'13		evening max el	-12788 Mar 02 j 07:21	6° B 36'29	26°42'38
retrograde	-12789 Apr 04 j 03:39	2° \approx 10'51		retrograde	-12788 Mar 16 j 10:20	14° B 01'59	
evening set	-12789 Apr 10 j 22:01	29° B 57'16		desc. node	-12788 Mar 16 j 18:29	14° B 01'41	
	-12789 Apr 10 j 20:20	30° R B		evening set	-12788 Mar 22 j 15:24	12° B 20'53	
min. Earth dist.	-12789 Apr 14 j 16:14	26° B 58'15	0.61784 AU	min. Earth dist.	-12788 Mar 26 j 20:50	9° B 29'33	0.59809 AU
inferior conj	-12789 Apr 17 j 18:12	24° B 03'40	-3°15'35	inferior conj	-12788 Mar 30 j 04:40	6° B 45'12	-2°48'40
minimum elong	-12789 Apr 17 j 16:58	24° B 06'35	3°16'15	minimum elong	-12788 Mar 30 j 01:51	6° B 51'03	2°49'02
morning rise	-12789 Apr 24 j 13:41	19° B 02'43		morning rise	-12788 Apr 06 j 14:59	2° B 03'46	
direct	-12789 Apr 27 j 04:33	18° B 32'03		direct	-12788 Apr 09 j 01:14	1° B 41'19	
morning max el	-12789 May 03 j 21:46	21° B 55'15	18°03'16	morning max el	-12788 Apr 16 j 09:30	5° B 16'12	18°17'13
asc. node	-12789 May 09 j 07:17	28° B 43'34		asc. node	-12788 Apr 25 j 04:07	17° B 26'02	
	-12789 May 10 j 03:19	0° \approx		morning set	-12788 May 02 j 11:43	0° \approx 44'58	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

-12788 May 02 j 02:08 0°♊

-12787 Apr 24 j 02:55 0°♊

superior conj	-12788 May 12 j 09:04	19°♊05'31	1°46'01
minimum elong	-12788 May 12 j 07:17	18°♊57'28	1°45'24
	-12788 May 18 j 13:36	0°♊	
max. Earth dist.	-12788 May 19 j 17:39	2°♊00'04	1.40754 AU
evening rise	-12788 May 25 j 00:05	10°♊48'01	
	-12788 Jun 06 j 05:59	0°♊	
desc. node	-12788 Jun 12 j 15:53	9°♊23'48	
evening max el	-12788 Jun 27 j 22:04	28°♊45'27	22°48'30
	-12788 Jun 29 j 04:43	0°♊	
retrograde	-12788 Jul 07 j 18:30	4°♊36'21	
evening set	-12788 Jul 12 j 14:15	2°♊35'04	
	-12788 Jul 15 j 01:31	30°♊	
inferior conj	-12788 Jul 17 j 19:19	26°♊21'28	-1°19'20
minimum elong	-12788 Jul 17 j 20:50	26°♊16'15	1°18'26
min. Earth dist.	-12788 Jul 17 j 17:56	26°♊26'15	0.67244 AU
asc. node	-12788 Jul 22 j 05:30	20°♊52'46	
morning rise	-12788 Jul 23 j 03:18	20°♊04'17	
direct	-12788 Jul 27 j 12:51	18°♊18'49	
morning max el	-12788 Aug 05 j 19:56	23°♊54'08	22°04'01
	-12788 Aug 11 j 02:29	0°♊	
	-12788 Sep 01 j 00:24	0°♊	
morning set	-12788 Sep 07 j 01:34	9°♊29'46	
desc. node	-12788 Sep 08 j 12:31	11°♊49'59	
max. Earth dist.	-12788 Sep 13 j 14:45	20°♊10'41	1.41583 AU
	-12788 Sep 19 j 09:26	0°♊	
superior conj	-12788 Sep 21 j 02:01	2°♊57'03	-1°09'52
minimum elong	-12788 Sep 20 j 22:12	2°♊40'19	1°08'39
evening rise	-12788 Oct 01 j 14:53	22°♊02'04	
	-12788 Oct 05 j 23:10	0°♊	
evening max el	-12788 Oct 17 j 20:35	17°♊54'15	18°11'18
asc. node	-12788 Oct 18 j 05:23	18°♊15'33	
retrograde	-12788 Oct 24 j 22:35	21°♊30'36	
evening set	-12788 Oct 27 j 10:05	21°♊04'47	
inferior conj	-12788 Nov 03 j 13:27	16°♊10'23	3°54'15
minimum elong	-12788 Nov 03 j 10:04	16°♊17'56	3°54'18
min. Earth dist.	-12788 Nov 06 j 14:36	13°♊27'39	0.60718 AU
morning rise	-12788 Nov 10 j 08:39	10°♊37'47	
direct	-12788 Nov 17 j 06:16	8°♊26'07	
morning max el	-12788 Dec 01 j 04:42	15°♊49'20	27°12'11
desc. node	-12788 Dec 05 j 13:25	20°♊26'56	
	-12788 Dec 12 j 22:06	0°♊	
	-12788 Dec 30 j 08:05	0°♊	
morning set	-12787 Jan 01 j 14:16	4°♊36'03	
max. Earth dist.	-12787 Jan 08 j 01:35	18°♊25'19	1.32826 AU

superior conj	-12787 Jan 08 j 16:49	19°♊48'25	-0°48'21
minimum elong	-12787 Jan 08 j 18:30	19°♊57'38	0°48'20
	-12787 Jan 13 j 09:23	0°♊	
asc. node	-12787 Jan 14 j 02:36	1°♊32'06	
evening rise	-12787 Jan 15 j 17:36	4°♊58'16	
	-12787 Jan 29 j 05:01	0°♊	
evening max el	-12787 Feb 12 j 05:09	17°♊59'39	25°35'26
retrograde	-12787 Feb 26 j 06:40	25°♊09'58	
evening set	-12787 Mar 03 j 14:04	24°♊02'58	
desc. node	-12787 Mar 03 j 15:26	24°♊01'33	
min. Earth dist.	-12787 Mar 08 j 18:46	21°♊05'55	0.57918 AU
inferior conj	-12787 Mar 11 j 21:01	18°♊53'48	-1°55'15
minimum elong	-12787 Mar 11 j 17:43	18°♊59'44	1°55'15
morning rise	-12787 Mar 20 j 00:33	14°♊31'13	
direct	-12787 Mar 22 j 06:28	14°♊15'07	
morning max el	-12787 Mar 30 j 16:07	18°♊15'43	18°50'34
	-12787 Apr 08 j 07:31	0°♊	
asc. node	-12787 Apr 12 j 01:01	6°♊40'18	
morning set	-12787 Apr 16 j 02:49	14°♊28'16	

superior conj	-12787 Apr 24 j 23:56	1°♊39'49	1°34'03
minimum elong	-12787 Apr 24 j 20:57	1°♊25'44	1°33'06
max. Earth dist.	-12787 May 01 j 18:06	14°♊05'58	1.38887 AU
evening rise	-12787 May 05 j 22:07	21°♊23'39	
	-12787 May 11 j 01:21	0°♊	
desc. node	-12787 May 30 j 13:28	29°♊08'47	
	-12787 May 31 j 04:51	0°♊	
evening max el	-12787 Jun 10 j 08:55	12°♊05'22	24°11'07
retrograde	-12787 Jun 21 j 09:15	18°♊36'56	
evening set	-12787 Jun 26 j 19:43	16°♊15'20	
min. Earth dist.	-12787 Jul 01 j 12:41	10°♊42'45	0.67103 AU
inferior conj	-12787 Jul 02 j 01:20	9°♊59'41	-2°00'04
minimum elong	-12787 Jul 02 j 03:22	9°♊52'45	1°59'19
morning rise	-12787 Jul 07 j 10:57	3°♊50'08	
asc. node	-12787 Jul 09 j 02:14	2°♊51'36	
direct	-12787 Jul 11 j 09:11	2°♊22'00	
morning max el	-12787 Jul 19 j 14:53	7°♊15'15	20°47'36
	-12787 Aug 05 j 11:43	0°♊	
morning set	-12787 Aug 17 j 09:30	18°♊12'05	
	-12787 Aug 24 j 20:43	0°♊	
desc. node	-12787 Aug 26 j 09:45	2°♊28'59	
max. Earth dist.	-12787 Aug 26 j 23:23	3°♊24'06	1.43162 AU
superior conj	-12787 Sep 02 j 03:05	13°♊30'46	-0°39'28
minimum elong	-12787 Sep 01 j 23:42	13°♊16'38	0°38'15
	-12787 Sep 11 j 18:24	0°♊	
evening rise	-12787 Sep 14 j 09:19	4°♊36'01	
	-12787 Sep 30 j 06:54	0°♊	
evening max el	-12787 Oct 01 j 09:14	1°♊10'46	18°07'44
asc. node	-12787 Oct 05 j 02:36	3°♊59'55	
retrograde	-12787 Oct 08 j 01:46	4°♊43'14	
evening set	-12787 Oct 10 j 15:43	4°♊10'56	
	-12787 Oct 16 j 05:58	30°♊	
inferior conj	-12787 Oct 17 j 07:27	28°♊56'12	3°16'12
minimum elong	-12787 Oct 17 j 03:35	29°♊05'59	3°15'59
min. Earth dist.	-12787 Oct 19 j 22:24	26°♊17'14	0.62475 AU
morning rise	-12787 Oct 23 j 14:25	23°♊06'37	
direct	-12787 Oct 30 j 15:38	20°♊33'04	
morning max el	-12787 Nov 13 j 09:47	28°♊02'00	27°33'32
	-12787 Nov 15 j 08:30	0°♊	
desc. node	-12787 Nov 22 j 10:00	8°♊23'56	
	-12787 Dec 06 j 13:13	0°♊	
morning set	-12787 Dec 16 j 17:56	19°♊11'46	
	-12787 Dec 21 j 22:11	0°♊	
max. Earth dist.	-12787 Dec 22 j 11:38	1°♊12'02	1.33182 AU

superior conj	-12787 Dec 24 j 03:29	4°♊46'45	-1°06'22
minimum elong	-12787 Dec 24 j 05:28	4°♊57'26	1°06'09
evening rise	-12787 Dec 31 j 04:43	19°♊56'51	
asc. node	-12786 Jan 01 j 00:02	21°♊37'49	
	-12786 Jan 05 j 03:54	0°♊	
evening max el	-12786 Jan 24 j 22:52	28°♊56'51	24°08'06
	-12786 Jan 26 j 02:38	0°♊	
retrograde	-12786 Feb 07 j 14:49	5°♊42'06	
evening set	-12786 Feb 11 j 20:59	5°♊01'47	
min. Earth dist.	-12786 Feb 18 j 12:13	1°♊47'16	0.56411 AU
desc. node	-12786 Feb 18 j 12:15	1°♊47'13	
inferior conj	-12786 Feb 20 j 17:35	0°♊23'59	-0°33'18
minimum elong	-12786 Feb 20 j 16:16	0°♊26'02	0°33'37
	-12786 Feb 21 j 08:57	30°♊	
morning rise	-12786 Mar 01 j 14:20	26°♊16'13	
direct	-12786 Mar 03 j 17:47	26°♊03'54	
	-12786 Mar 12 j 19:06	0°♊	
morning max el	-12786 Mar 13 j 14:36	0°♊44'23	19°43'43
asc. node	-12786 Mar 29 j 22:01	26°♊18'42	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12786 Mar 31 j 03:06	28° ♁ 43'41		morning set	-12785 Mar 08 j 12:38	0° ♁	
	-12786 Mar 31 j 18:19	0° ♁		asc. node	-12785 Mar 15 j 09:40	13° ♁ 22'49	
					-12785 Mar 16 j 19:07	16° ♁ 15'00	
superior conj	-12786 Apr 08 j 06:30	15° ♁ 04'42	1°16'00	superior conj	-12785 Mar 23 j 00:25	29° ♁ 07'39	0°54'28
minimum elong	-12786 Apr 08 j 03:32	14° ♁ 50'03	1°14'49	minimum elong	-12785 Mar 22 j 22:07	28° ♁ 55'56	0°53'16
max. Earth dist.	-12786 Apr 13 j 20:09	25° ♁ 49'27	1.37092 AU		-12785 Mar 23 j 10:39	0° ♁	
	-12786 Apr 16 j 02:07	0° ♁		max. Earth dist.	-12785 Mar 27 j 05:22	7° ♁ 36'00	1.35547 AU
evening rise	-12786 Apr 17 j 21:33	3° ♁ 17'20		evening rise	-12785 Mar 31 j 16:51	16° ♁ 14'05	
	-12786 May 04 j 02:13	0° ♁			-12785 Apr 08 j 09:01	0° ♁	
desc. node	-12786 May 17 j 11:00	18° ♁ 22'26			-12785 Apr 28 j 11:07	0° ♁	
evening max el	-12786 May 23 j 18:25	25° ♁ 25'58	25°28'39	desc. node	-12785 May 04 j 08:25	6° ♁ 52'25	
	-12786 May 29 j 02:58	0° ♁		evening max el	-12785 May 06 j 04:35	8° ♁ 45'54	26°32'26
retrograde	-12786 Jun 04 j 19:54	2° ♁ 30'33		retrograde	-12785 May 19 j 02:00	16° ♁ 11'43	
evening set	-12786 Jun 10 j 20:37	29° ♁ 52'41		evening set	-12785 May 25 j 14:39	13° ♁ 25'29	
	-12786 Jun 10 j 17:17	30° ♁		min. Earth dist.	-12785 May 29 j 14:17	9° ♁ 10'51	0.65750 AU
min. Earth dist.	-12786 Jun 15 j 04:10	24° ♁ 58'57	0.66617 AU	inferior conj	-12785 May 31 j 05:00	7° ♁ 11'39	-3°01'11
inferior conj	-12786 Jun 16 j 05:13	23° ♁ 36'56	-2°34'33	minimum elong	-12785 May 31 j 06:55	7° ♁ 05'44	3°01'12
minimum elong	-12786 Jun 16 j 07:25	23° ♁ 29'44	2°34'08	morning rise	-12785 Jun 05 j 23:25	1° ♁ 26'04	
morning rise	-12786 Jun 21 j 18:15	17° ♁ 38'03		direct	-12785 Jun 09 j 04:19	0° ♁ 27'39	
direct	-12786 Jun 25 j 06:55	16° ♁ 25'45		asc. node	-12785 Jun 12 j 19:39	1° ♁ 38'10	
asc. node	-12786 Jun 25 j 22:57	16° ♁ 28'14		morning max el	-12785 Jun 15 j 23:44	4° ♁ 16'36	18°52'32
morning max el	-12786 Jul 02 j 16:20	20° ♁ 42'40	19°42'41		-12785 Jul 03 j 15:50	0° ♁	
	-12786 Jul 10 j 01:00	0° ♁		morning set	-12785 Jul 07 j 09:54	6° ♁ 02'05	
morning set	-12786 Jul 27 j 14:04	26° ♁ 45'55			-12785 Jul 22 j 10:55	0° ♁	
	-12786 Jul 29 j 15:41	0° ♁					
max. Earth dist.	-12786 Aug 09 j 13:11	17° ♁ 10'39	1.44199 AU	superior conj	-12785 Jul 23 j 02:52	1° ♁ 03'09	0°46'08
superior conj	-12786 Aug 13 j 00:31	22° ♁ 43'37	0°01'39	minimum elong	-12785 Jul 23 j 08:05	1° ♁ 23'46	0°45'59
minimum elong	-12786 Aug 13 j 00:46	22° ♁ 44'39	0°02'16	max. Earth dist.	-12785 Jul 23 j 05:18	1° ♁ 12'44	1.44573 AU
behind sun begin	-12786 Aug 12 j 13:54	22° ♁ 01'01		desc. node	-12785 Jul 31 j 04:33	13° ♁ 50'32	
behind sun end	-12786 Aug 13 j 11:39	23° ♁ 28'20		evening rise	-12785 Aug 08 j 04:03	26° ♁ 34'55	
desc. node	-12786 Aug 13 j 07:10	23° ♁ 10'21			-12785 Aug 10 j 07:11	0° ♁	
	-12786 Aug 17 j 12:30	0° ♁		evening max el	-12785 Aug 29 j 11:11	28° ♁ 06'40	18°55'06
evening rise	-12786 Aug 27 j 07:33	16° ♁ 11'36			-12785 Aug 31 j 13:07	0° ♁	
	-12786 Sep 04 j 14:24	0° ♁		retrograde	-12785 Sep 05 j 07:31	1° ♁ 58'09	
evening max el	-12786 Sep 14 j 23:02	14° ♁ 36'29	18°22'40	evening set	-12785 Sep 08 j 09:09	1° ♁ 04'34	
retrograde	-12786 Sep 21 j 13:56	18° ♁ 14'13		asc. node	-12785 Sep 08 j 20:45	0° ♁ 46'32	
asc. node	-12786 Sep 21 j 23:44	18° ♁ 13'19			-12785 Sep 09 j 21:34	30° ♁	
evening set	-12786 Sep 24 j 08:32	17° ♁ 32'52		inferior conj	-12785 Sep 14 j 05:48	25° ♁ 18'25	1°37'42
inferior conj	-12786 Sep 30 j 13:55	12° ♁ 00'48	2°29'02	minimum elong	-12785 Sep 14 j 03:34	25° ♁ 25'17	1°37'44
minimum elong	-12786 Sep 30 j 10:37	12° ♁ 10'06	2°28'49	min. Earth dist.	-12785 Sep 15 j 19:50	23° ♁ 22'07	0.65244 AU
min. Earth dist.	-12786 Oct 02 j 16:24	9° ♁ 38'57	0.64002 AU	morning rise	-12785 Sep 19 j 21:27	19° ♁ 04'46	
morning rise	-12786 Oct 06 j 11:57	5° ♁ 57'14		direct	-12785 Sep 26 j 07:19	16° ♁ 24'33	
direct	-12786 Oct 13 j 08:09	3° ♁ 14'43		morning max el	-12785 Oct 09 j 05:16	23° ♁ 51'13	26°38'32
morning max el	-12786 Oct 26 j 18:52	10° ♁ 46'33	27°20'52		-12785 Oct 14 j 19:41	0° ♁	
desc. node	-12786 Nov 09 j 06:39	27° ♁ 14'19		desc. node	-12785 Oct 27 j 03:22	16° ♁ 42'51	
	-12786 Nov 11 j 04:23	0° ♁			-12785 Nov 04 j 11:59	0° ♁	
	-12786 Nov 28 j 20:39	0° ♁		morning set	-12785 Nov 13 j 22:37	16° ♁ 51'27	
morning set	-12786 Nov 30 j 13:52	3° ♁ 20'27		max. Earth dist.	-12785 Nov 18 j 07:47	25° ♁ 22'18	1.35077 AU
max. Earth dist.	-12786 Dec 05 j 14:44	13° ♁ 32'51	1.33919 AU		-12785 Nov 20 j 14:57	0° ♁	
superior conj	-12786 Dec 08 j 11:04	19° ♁ 32'21	-1°21'06	superior conj	-12785 Nov 22 j 13:23	3° ♁ 58'12	-1°31'32
minimum elong	-12786 Dec 08 j 12:56	19° ♁ 42'18	1°20'46	minimum elong	-12785 Nov 22 j 14:41	4° ♁ 04'54	1°31'06
	-12786 Dec 13 j 08:40	0° ♁		evening rise	-12785 Nov 30 j 01:04	19° ♁ 35'17	
evening rise	-12786 Dec 15 j 15:45	4° ♁ 51'00			-12785 Dec 05 j 06:19	0° ♁	
asc. node	-12786 Dec 18 j 21:29	11° ♁ 29'00		asc. node	-12785 Dec 05 j 18:55	0° ♁ 59'25	
	-12786 Dec 29 j 12:22	0° ♁		evening max el	-12785 Dec 19 j 16:46	21° ♁ 00'02	21°05'24
evening max el	-12785 Jan 06 j 16:51	9° ♁ 49'07	22°33'52	retrograde	-12785 Dec 31 j 02:07	26° ♁ 21'07	
retrograde	-12785 Jan 19 j 11:29	15° ♁ 56'48		evening set	-12784 Jan 02 j 21:48	26° ♁ 02'38	
evening set	-12785 Jan 22 j 20:01	15° ♁ 32'05		inferior conj	-12784 Jan 11 j 19:10	22° ♁ 03'22	2°44'17
min. Earth dist.	-12785 Jan 31 j 03:22	11° ♁ 47'02	0.55570 AU	minimum elong	-12784 Jan 12 j 00:53	21° ♁ 55'07	2°42'30
inferior conj	-12785 Jan 31 j 21:38	11° ♁ 20'40	1°07'54	min. Earth dist.	-12784 Jan 12 j 17:18	21° ♁ 31'22	0.55581 AU
minimum elong	-12785 Feb 01 j 00:27	11° ♁ 16'35	1°06'29	morning rise	-12784 Jan 21 j 02:56	17° ♁ 47'53	
desc. node	-12785 Feb 05 j 08:58	8° ♁ 55'37		desc. node	-12784 Jan 23 j 05:37	17° ♁ 28'59	
morning rise	-12785 Feb 10 j 06:00	7° ♁ 16'50		direct	-12784 Jan 24 j 04:53	17° ♁ 26'52	
direct	-12785 Feb 12 j 13:46	7° ♁ 04'11		morning max el	-12784 Feb 06 j 03:09	23° ♁ 45'42	22°24'30
morning max el	-12785 Feb 24 j 02:31	12° ♁ 34'45	20°56'07		-12784 Feb 11 j 15:18	0° ♁	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12784 Feb 27 j 20:03	28° \mathbb{M} 17'18			-12783 Jan 11 j 23:50	0° $\underline{\mathfrak{A}}$	
	-12784 Feb 28 j 15:43	0° \mathfrak{A}		morning max el	-12783 Jan 17 j 19:34	4° $\underline{\mathfrak{A}}$ 30'35	24°01'01
asc. node	-12784 Mar 02 j 16:16	6° \mathfrak{A} 23'17			-12783 Feb 04 j 15:31	0° \mathbb{M}	
				morning set	-12783 Feb 11 j 08:20	13° \mathbb{M} 20'41	
superior conj	-12784 Mar 06 j 02:13	13° \mathfrak{A} 37'30	0°31'17	asc. node	-12783 Feb 17 j 13:30	26° \mathbb{M} 39'12	
minimum elong	-12784 Mar 06 j 00:53	13° \mathfrak{A} 30'32	0°30'14				
max. Earth dist.	-12784 Mar 09 j 00:41	19° \mathfrak{A} 45'10	1.34344 AU	superior conj	-12783 Feb 18 j 09:21	28° \mathbb{M} 26'06	0°07'45
evening rise	-12784 Mar 14 j 02:35	29° \mathfrak{A} 57'10		minimum elong	-12783 Feb 18 j 09:03	28° \mathbb{M} 24'30	0°06'59
	-12784 Mar 14 j 03:10	0° \mathfrak{Z}		behind sun begin	-12783 Feb 18 j 04:24	27° \mathbb{M} 59'27	
	-12784 Mar 31 j 10:45	0° \approx		behind sun end	-12783 Feb 18 j 13:42	28° \mathbb{M} 49'32	
evening max el	-12784 Apr 17 j 15:24	21° \approx 57'18	27°14'19		-12783 Feb 19 j 02:50	0° \mathfrak{A}	
desc. node	-12784 Apr 20 j 05:44	24° \approx 20'22		max. Earth dist.	-12783 Feb 20 j 05:22	2° \mathfrak{A} 21'47	1.33498 AU
retrograde	-12784 May 01 j 02:45	29° \approx 32'10		evening rise	-12783 Feb 25 j 22:37	14° \mathfrak{A} 13'32	
evening set	-12784 May 07 j 23:03	26° \approx 48'46			-12783 Mar 06 j 06:42	0° \mathfrak{Z}	
min. Earth dist.	-12784 May 11 j 17:05	23° \approx 10'05	0.64488 AU		-12783 Mar 26 j 13:04	0° \approx	
inferior conj	-12784 May 13 j 22:19	20° \approx 39'35	-3°17'49	evening max el	-12783 Mar 31 j 01:12	4° \approx 48'58	27°27'31
minimum elong	-12784 May 13 j 23:25	20° \approx 36'28	3°18'15	desc. node	-12783 Apr 07 j 02:57	10° \approx 21'35	
morning rise	-12784 May 20 j 00:21	15° \approx 09'33		retrograde	-12783 Apr 13 j 21:15	12° \approx 23'51	
direct	-12784 May 22 j 23:02	14° \approx 23'06		evening set	-12783 Apr 20 j 18:45	9° \approx 56'08	
morning max el	-12784 May 29 j 11:22	17° \approx 53'37	18°19'09	min. Earth dist.	-12783 Apr 24 j 11:12	6° \approx 45'47	0.62862 AU
asc. node	-12784 May 29 j 16:22	18° \approx 06'18		inferior conj	-12783 Apr 27 j 06:20	3° \approx 55'28	-3°21'16
	-12784 Jun 07 j 08:17	0° \mathfrak{H}		minimum elong	-12783 Apr 27 j 06:05	3° \approx 56'08	3°21'57
morning set	-12784 Jun 17 j 06:14	16° \mathfrak{H} 25'38			-12783 May 01 j 14:02	30° \mathfrak{R} \mathfrak{Z}	
	-12784 Jun 25 j 10:36	0° \mathfrak{Y}		morning rise	-12783 May 03 j 18:36	28° \mathfrak{Z} 43'09	
				direct	-12783 May 06 j 12:14	28° \mathfrak{Z} 07'00	
superior conj	-12784 Jul 01 j 06:43	9° \mathfrak{Y} 28'22	1°22'40		-12783 May 11 j 08:13	0° \approx	
minimum elong	-12784 Jul 01 j 13:05	9° \mathfrak{Y} 53'58	1°22'16	morning max el	-12783 May 13 j 01:05	1° \approx 29'25	18°03'41
max. Earth dist.	-12784 Jul 04 j 20:56	15° \mathfrak{Y} 13'10	1.44248 AU	asc. node	-12783 May 16 j 13:07	5° \approx 37'04	
	-12784 Jul 14 j 05:49	0° \mathfrak{B}		morning set	-12783 May 30 j 02:58	27° \approx 58'22	
desc. node	-12784 Jul 17 j 02:03	4° \mathfrak{B} 26'42			-12783 May 31 j 06:43	0° \mathfrak{H}	
evening rise	-12784 Jul 17 j 21:19	5° \mathfrak{B} 41'52					
greatest brilliancy	-12784 Jul 29 j 13:49	23° \mathfrak{B} 44'44	-0.7m	superior conj	-12783 Jun 11 j 07:11	18° \mathfrak{H} 54'08	1°43'36
	-12784 Aug 02 j 18:43	0° \mathbb{I}		minimum elong	-12783 Jun 11 j 10:27	19° \mathfrak{H} 07'46	1°43'17
evening max el	-12784 Aug 11 j 19:05	11° \mathbb{I} 36'48	19°43'52	max. Earth dist.	-12783 Jun 17 j 09:44	28° \mathfrak{H} 56'38	1.43272 AU
retrograde	-12784 Aug 19 j 03:40	15° \mathbb{I} 50'56			-12783 Jun 18 j 01:24	0° \mathfrak{Y}	
evening set	-12784 Aug 22 j 14:39	14° \mathbb{I} 41'38		evening rise	-12783 Jun 26 j 22:05	14° \mathfrak{Y} 02'54	
asc. node	-12784 Aug 25 j 17:41	11° \mathbb{I} 47'21		desc. node	-12783 Jul 03 j 23:34	24° \mathfrak{Y} 55'13	
inferior conj	-12784 Aug 28 j 04:23	8° \mathbb{I} 44'24	0°45'27		-12783 Jul 07 j 08:15	0° \mathfrak{B}	
minimum elong	-12784 Aug 28 j 03:21	8° \mathbb{I} 47'47	0°45'50	evening max el	-12783 Jul 25 j 20:42	25° \mathfrak{B} 03'45	20°47'07
min. Earth dist.	-12784 Aug 29 j 06:41	7° \mathbb{I} 18'47	0.66185 AU	retrograde	-12783 Aug 03 j 00:13	29° \mathfrak{B} 49'49	
morning rise	-12784 Sep 02 j 15:43	2° \mathbb{I} 24'50		evening set	-12783 Aug 06 j 22:42	28° \mathfrak{B} 21'34	
	-12784 Sep 07 j 10:49	30° \mathfrak{R} \mathfrak{B}		inferior conj	-12783 Aug 12 j 07:26	22° \mathfrak{B} 15'57	-0°05'31
direct	-12784 Sep 08 j 12:23	29° \mathfrak{B} 55'23		minimum elong	-12783 Aug 12 j 07:33	22° \mathfrak{B} 15'36	0°04'49
	-12784 Sep 09 j 14:35	0° \mathbb{I}		transit middle	-12783 Aug 12 j 07:33	22° \mathfrak{B} 15'36	0°04'49
morning max el	-12784 Sep 20 j 15:17	7° \mathbb{I} 04'30	25°33'48	transit begin	-12783 Aug 12 j 04:56	22° \mathfrak{B} 24'27	
	-12784 Oct 08 j 14:50	0° \mathfrak{B}		transit end	-12783 Aug 12 j 10:09	22° \mathfrak{B} 06'45	
desc. node	-12784 Oct 13 j 00:11	6° \mathfrak{B} 38'29		asc. node	-12783 Aug 12 j 14:33	21° \mathfrak{B} 51'48	
morning set	-12784 Oct 26 j 15:45	29° \mathfrak{B} 31'45		min. Earth dist.	-12783 Aug 12 j 22:45	21° \mathfrak{B} 24'02	0.66832 AU
	-12784 Oct 26 j 22:00	0° Ω		morning rise	-12783 Aug 17 j 16:13	15° \mathfrak{B} 54'28	
max. Earth dist.	-12784 Oct 30 j 14:15	6° Ω 48'22	1.36647 AU	direct	-12783 Aug 22 j 22:43	13° \mathfrak{B} 40'54	
				morning max el	-12783 Sep 03 j 01:04	20° \mathfrak{B} 19'40	24°15'10
superior conj	-12784 Nov 05 j 07:41	17° Ω 55'48	-1°36'20		-12783 Sep 11 j 07:47	0° \mathbb{I}	
minimum elong	-12784 Nov 05 j 07:53	17° Ω 56'45	1°35'48	desc. node	-12783 Sep 29 j 21:04	26° \mathbb{I} 52'44	
	-12784 Nov 11 j 06:47	0° \mathfrak{M}			-12783 Oct 01 j 19:53	0° \mathfrak{B}	
evening rise	-12784 Nov 13 j 06:51	4° \mathfrak{M} 04'13		morning set	-12783 Oct 08 j 12:00	11° \mathfrak{B} 06'34	
asc. node	-12784 Nov 21 j 16:18	20° \mathfrak{M} 01'34		max. Earth dist.	-12783 Oct 12 j 14:14	18° \mathfrak{B} 17'03	1.38532 AU
	-12784 Nov 28 j 12:44	0° $\underline{\mathfrak{A}}$			-12783 Oct 18 j 22:50	0° Ω	
evening max el	-12784 Dec 01 j 02:19	2° $\underline{\mathfrak{A}}$ 43'17	19°51'34				
retrograde	-12784 Dec 10 j 21:56	7° $\underline{\mathfrak{A}}$ 20'24		superior conj	-12783 Oct 19 j 14:18	1° Ω 13'27	-1°33'48
evening set	-12784 Dec 13 j 12:09	7° $\underline{\mathfrak{A}}$ 02'33		minimum elong	-12783 Oct 19 j 12:54	1° Ω 06'46	1°33'02
inferior conj	-12784 Dec 21 j 23:24	2° $\underline{\mathfrak{A}}$ 58'16	3°50'11	evening rise	-12783 Oct 28 j 06:51	18° Ω 10'53	
minimum elong	-12784 Dec 22 j 03:52	2° $\underline{\mathfrak{A}}$ 51'15	3°49'30		-12783 Nov 03 j 11:40	0° \mathfrak{M}	
min. Earth dist.	-12784 Dec 24 j 06:29	1° $\underline{\mathfrak{A}}$ 32'01	0.56419 AU	asc. node	-12783 Nov 08 j 13:40	8° \mathfrak{M} 25'10	
	-12784 Dec 26 j 22:09	30° \mathfrak{R} \mathfrak{M}		evening max el	-12783 Nov 13 j 21:59	14° \mathfrak{M} 59'20	18°56'39
morning rise	-12784 Dec 30 j 17:35	28° \mathfrak{M} 21'16		retrograde	-12783 Nov 22 j 08:59	19° \mathfrak{M} 03'36	
direct	-12783 Jan 04 j 02:13	27° \mathfrak{M} 38'46		evening set	-12783 Nov 24 j 20:45	18° \mathfrak{M} 43'53	
desc. node	-12783 Jan 09 j 02:14	28° \mathfrak{M} 35'59		inferior conj	-12783 Dec 02 j 19:42	14° \mathfrak{M} 22'41	4°16'27

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12783 Dec 02 j 20:26	14° \mathbb{M} 21'22	4°16'40	evening set	-12782 Nov 07 j 00:48	1° \mathbb{M} 04'43	
min. Earth dist.	-12783 Dec 05 j 20:36	12° \mathbb{M} 12'46	0.57874 AU		-12782 Nov 09 j 11:41	30° \mathbb{R} 0	
morning rise	-12783 Dec 10 j 18:12	9° \mathbb{M} 22'17		inferior conj	-12782 Nov 14 j 11:11	26° \mathbb{Q} 22'25	4°09'15
direct	-12783 Dec 16 j 10:11	8° \mathbb{M} 06'05		minimum elong	-12782 Nov 14 j 08:48	26° \mathbb{Q} 27'21	4°09'29
desc. node	-12783 Dec 26 j 22:47	12° \mathbb{M} 16'12		min. Earth dist.	-12782 Nov 17 j 15:14	23° \mathbb{Q} 45'53	0.59655 AU
morning max el	-12783 Dec 30 j 10:20	15° \mathbb{M} 15'15	25°32'42	morning rise	-12782 Nov 21 j 15:10	21° \mathbb{Q} 00'27	
	-12782 Jan 11 j 06:45	0° \mathbb{A}		direct	-12782 Nov 28 j 05:18	19° \mathbb{Q} 07'19	
morning set	-12782 Jan 26 j 20:40	28° \mathbb{A} 25'27		morning max el	-12782 Dec 12 j 05:39	26° \mathbb{Q} 26'38	26°44'30
	-12782 Jan 27 j 14:37	0° \mathbb{M}		desc. node	-12782 Dec 13 j 19:21	28° \mathbb{Q} 00'26	
					-12782 Dec 15 j 15:46	0° \mathbb{M}	
superior conj	-12782 Feb 02 j 19:42	13° \mathbb{M} 25'30	-0°15'13		-12781 Jan 04 j 12:52	0° \mathbb{A}	
minimum elong	-12782 Feb 02 j 20:20	13° \mathbb{M} 28'57	0°15'40	morning set	-12781 Jan 11 j 07:15	13° \mathbb{A} 24'44	
behind sun begin	-12782 Feb 02 j 19:52	13° \mathbb{M} 26'24					
behind sun end	-12782 Feb 02 j 20:48	13° \mathbb{M} 31'31		superior conj	-12781 Jan 18 j 07:30	28° \mathbb{A} 29'16	-0°36'49
max. Earth dist.	-12782 Feb 03 j 16:15	15° \mathbb{M} 17'15	1.32980 AU	minimum elong	-12781 Jan 18 j 08:53	28° \mathbb{A} 36'48	0°36'57
asc. node	-12782 Feb 04 j 10:47	16° \mathbb{M} 57'46		max. Earth dist.	-12781 Jan 18 j 05:38	28° \mathbb{A} 19'03	1.32783 AU
evening rise	-12782 Feb 10 j 01:41	28° \mathbb{M} 51'36			-12781 Jan 19 j 00:06	0° \mathbb{M}	
	-12782 Feb 10 j 15:04	0° \mathbb{A}		asc. node	-12781 Jan 22 j 08:09	7° \mathbb{M} 14'48	
	-12782 Feb 27 j 13:29	0° \mathbb{B}		evening rise	-12781 Jan 25 j 09:22	13° \mathbb{M} 42'50	
evening max el	-12782 Mar 13 j 07:24	17° \mathbb{B} 08'55	27°08'16		-12781 Feb 02 j 17:48	0° \mathbb{A}	
desc. node	-12782 Mar 25 j 00:04	24° \mathbb{B} 24'08		evening max el	-12781 Feb 23 j 08:06	28° \mathbb{A} 51'07	26°17'05
retrograde	-12782 Mar 27 j 08:25	24° \mathbb{B} 38'47			-12781 Feb 24 j 13:53	0° \mathbb{B}	
evening set	-12782 Apr 02 j 22:28	22° \mathbb{B} 38'16		retrograde	-12781 Mar 09 j 10:56	6° \mathbb{B} 11'28	
min. Earth dist.	-12782 Apr 06 j 20:13	19° \mathbb{B} 44'23	0.60962 AU	desc. node	-12781 Mar 11 j 21:06	5° \mathbb{B} 56'35	
inferior conj	-12782 Apr 10 j 01:43	16° \mathbb{B} 51'40	-3°07'04	evening set	-12781 Mar 15 j 07:52	4° \mathbb{B} 44'52	
minimum elong	-12782 Apr 09 j 23:46	16° \mathbb{B} 56'04	3°07'39	min. Earth dist.	-12781 Mar 19 j 21:26	1° \mathbb{B} 52'56	0.58981 AU
morning rise	-12782 Apr 17 j 03:09	11° \mathbb{B} 58'51			-12781 Mar 22 j 08:08	30° \mathbb{R} 0	
direct	-12782 Apr 19 j 16:12	11° \mathbb{B} 31'42		inferior conj	-12781 Mar 23 j 04:49	29° \mathbb{A} 19'32	-2°29'32
morning max el	-12782 Apr 26 j 14:21	14° \mathbb{B} 57'53	18°06'50	minimum elong	-12781 Mar 23 j 01:34	29° \mathbb{A} 25'52	2°29'42
asc. node	-12782 May 03 j 09:55	23° \mathbb{B} 56'32		morning rise	-12781 Mar 30 j 22:18	24° \mathbb{A} 46'43	
	-12782 May 07 j 00:19	0° \mathbb{A}		direct	-12781 Apr 02 j 06:41	24° \mathbb{A} 27'13	
morning set	-12782 May 12 j 19:50	10° \mathbb{A} 30'39		morning max el	-12781 Apr 10 j 00:20	28° \mathbb{A} 10'51	18°29'03
					-12781 Apr 11 j 17:53	0° \mathbb{B}	
superior conj	-12782 May 23 j 10:40	29° \mathbb{A} 40'20	1°48'46	asc. node	-12781 Apr 20 j 06:48	12° \mathbb{B} 53'17	
minimum elong	-12782 May 23 j 10:18	29° \mathbb{A} 38'46	1°48'21	morning set	-12781 Apr 26 j 04:02	23° \mathbb{B} 50'41	
	-12782 May 23 j 15:09	0° \mathbb{H}			-12781 Apr 29 j 09:20	0° \mathbb{A}	
max. Earth dist.	-12782 May 30 j 17:29	12° \mathbb{H} 07'30	1.41771 AU				
evening rise	-12782 Jun 06 j 04:38	22° \mathbb{H} 40'53		superior conj	-12781 May 05 j 14:11	11° \mathbb{A} 39'24	1°41'54
	-12782 Jun 10 j 19:57	0° \mathbb{Y}		minimum elong	-12781 May 05 j 11:42	11° \mathbb{A} 28'01	1°41'08
desc. node	-12782 Jun 20 j 21:10	15° \mathbb{Y} 11'51		max. Earth dist.	-12781 May 12 j 19:21	24° \mathbb{A} 34'11	1.39962 AU
	-12782 Jul 01 j 11:33	0° \mathbb{B}			-12781 May 15 j 23:26	0° \mathbb{H}	
evening max el	-12782 Jul 08 j 15:17	8° \mathbb{B} 26'18	22°01'56	evening rise	-12781 May 17 j 10:37	2° \mathbb{H} 27'46	
retrograde	-12782 Jul 17 j 19:36	13° \mathbb{B} 52'23			-12781 Jun 04 j 03:17	0° \mathbb{Y}	
evening set	-12782 Jul 22 j 07:17	12° \mathbb{B} 03'08		desc. node	-12781 Jun 07 j 18:46	5° \mathbb{Y} 10'25	
inferior conj	-12782 Jul 27 j 13:04	5° \mathbb{B} 51'37	-0°53'32	evening max el	-12781 Jun 21 j 03:57	21° \mathbb{Y} 45'12	23°23'39
minimum elong	-12782 Jul 27 j 14:08	5° \mathbb{B} 47'56	0°52'40	retrograde	-12781 Jul 01 j 12:27	27° \mathbb{Y} 54'33	
min. Earth dist.	-12782 Jul 27 j 17:44	5° \mathbb{B} 35'29	0.67180 AU	evening set	-12781 Jul 06 j 14:27	25° \mathbb{Y} 44'07	
asc. node	-12782 Jul 30 j 11:20	1° \mathbb{B} 59'33		inferior conj	-12781 Jul 11 j 19:27	19° \mathbb{Y} 29'08	-1°37'18
	-12782 Aug 01 j 08:07	30° \mathbb{R} 0		minimum elong	-12781 Jul 11 j 21:13	19° \mathbb{Y} 23'01	1°36'28
morning rise	-12782 Aug 01 j 20:54	29° \mathbb{Y} 31'57		min. Earth dist.	-12781 Jul 11 j 13:18	19° \mathbb{Y} 50'20	0.67223 AU
direct	-12782 Aug 06 j 13:39	27° \mathbb{Y} 36'23		morning rise	-12781 Jul 17 j 03:56	13° \mathbb{Y} 14'49	
	-12782 Aug 12 j 11:39	0° \mathbb{B}		asc. node	-12781 Jul 17 j 08:06	13° \mathbb{Y} 06'49	
morning max el	-12782 Aug 16 j 12:38	3° \mathbb{B} 36'02	22°51'25	direct	-12781 Jul 21 j 08:20	11° \mathbb{Y} 37'07	
	-12782 Sep 05 j 12:41	0° \mathbb{H}		morning max el	-12781 Jul 30 j 04:20	16° \mathbb{Y} 54'29	21°30'22
desc. node	-12782 Sep 16 j 18:06	17° \mathbb{H} 20'11			-12781 Aug 09 j 14:53	0° \mathbb{B}	
morning set	-12782 Sep 19 j 06:59	21° \mathbb{H} 26'45			-12781 Aug 29 j 15:47	0° \mathbb{H}	
	-12782 Sep 24 j 10:04	0° \mathbb{B}		morning set	-12781 Aug 30 j 01:00	0° \mathbb{H} 36'17	
max. Earth dist.	-12782 Sep 24 j 14:22	0° \mathbb{B} 18'16	1.40511 AU	desc. node	-12781 Sep 03 j 15:16	7° \mathbb{H} 55'48	
				max. Earth dist.	-12781 Sep 06 j 18:55	13° \mathbb{H} 03'39	1.42308 AU
superior conj	-12782 Oct 02 j 04:30	13° \mathbb{B} 38'33	-1°21'50				
minimum elong	-12782 Oct 02 j 01:23	13° \mathbb{B} 24'24	1°20'47	superior conj	-12781 Sep 13 j 20:34	24° \mathbb{H} 55'50	-0°58'26
	-12782 Oct 10 j 23:26	0° \mathbb{Q}		minimum elong	-12781 Sep 13 j 16:36	24° \mathbb{H} 38'48	0°57'11
evening rise	-12782 Oct 11 j 22:25	1° \mathbb{Q} 48'50			-12781 Sep 16 j 18:47	0° \mathbb{B}	
asc. node	-12782 Oct 26 j 10:58	25° \mathbb{Q} 58'20		evening rise	-12781 Sep 25 j 01:51	14° \mathbb{B} 48'45	
evening max el	-12782 Oct 28 j 02:21	27° \mathbb{Q} 44'07	18°22'01		-12781 Oct 03 j 16:17	0° \mathbb{Q}	
	-12782 Oct 30 j 21:46	0° \mathbb{M}		evening max el	-12781 Oct 11 j 12:47	10° \mathbb{Q} 50'38	18°07'27
retrograde	-12782 Nov 04 j 13:52	1° \mathbb{M} 27'44		asc. node	-12781 Oct 13 j 08:12	12° \mathbb{Q} 26'32	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12781 Oct 18 j 09:57	14°Ω24'26		evening set	-12780 Oct 03 j 08:53	27°♄09'27	
evening set	-12781 Oct 20 j 22:04	13°Ω56'18		inferior conj	-12780 Oct 09 j 20:03	21°♄47'18	2°56'55
inferior conj	-12781 Oct 27 j 20:22	8°Ω53'06	3°39'38	minimum elong	-12780 Oct 09 j 16:20	21°♄57'10	2°56'40
minimum elong	-12781 Oct 27 j 16:37	9°Ω01'59	3°39'33	min. Earth dist.	-12780 Oct 12 j 05:58	19°♄13'58	0.63160 AU
min. Earth dist.	-12781 Oct 30 j 17:47	6°Ω09'38	0.61482 AU	morning rise	-12780 Oct 15 j 22:51	15°♄51'24	
morning rise	-12781 Nov 03 j 09:51	3°Ω12'37		direct	-12780 Oct 22 j 22:58	13°♄12'04	
direct	-12781 Nov 10 j 10:09	0°Ω49'50		morning max el	-12780 Nov 05 j 14:18	20°♄43'14	27°32'05
morning max el	-12781 Nov 24 j 07:25	8°Ω16'40	27°25'36		-12780 Nov 13 j 18:33	0°Ω	
desc. node	-12781 Nov 30 j 15:56	15°Ω16'33		desc. node	-12780 Nov 16 j 12:32	3°Ω38'19	
	-12781 Dec 11 j 02:36	0°♄			-12780 Dec 03 j 00:48	0°♄	
morning set	-12781 Dec 26 j 14:06	28°♄11'22		morning set	-12780 Dec 09 j 14:47	12°♄36'20	
	-12781 Dec 27 j 11:09	0°♄		max. Earth dist.	-12780 Dec 15 j 01:02	23°♄49'25	1.33437 AU
max. Earth dist.	-12780 Jan 01 j 17:46	11°♄13'58	1.32922 AU				
				superior conj	-12780 Dec 17 j 04:39	28°♄25'05	-1°13'05
superior conj	-12780 Jan 02 j 19:05	13°♄31'28	-0°56'21	minimum elong	-12780 Dec 17 j 06:38	28°♄35'44	1°12'49
minimum elong	-12780 Jan 02 j 20:56	13°♄41'33	0°56'15		-12780 Dec 17 j 22:18	0°♄	
asc. node	-12780 Jan 09 j 05:34	27°♄25'58		evening rise	-12780 Dec 24 j 06:56	13°♄37'25	
evening rise	-12780 Jan 09 j 19:42	28°♄40'24		asc. node	-12780 Dec 26 j 02:59	17°♄25'55	
	-12780 Jan 10 j 10:56	0°♄			-12779 Jan 01 j 15:55	0°♄	
	-12780 Jan 27 j 14:03	0°♄		evening max el	-12779 Jan 16 j 21:00	20°♄53'32	23°28'14
evening max el	-12780 Feb 05 j 03:40	10°♄00'58	25°00'06	retrograde	-12779 Jan 30 j 05:44	27°♄24'01	
retrograde	-12780 Feb 19 j 02:48	17°♄03'03		evening set	-12779 Feb 03 j 01:34	26°♄51'58	
evening set	-12780 Feb 23 j 23:18	16°♄08'42		min. Earth dist.	-12779 Feb 10 j 09:58	23°♄26'13	0.55951 AU
desc. node	-12780 Feb 26 j 18:00	14°♄52'48		inferior conj	-12779 Feb 12 j 01:33	22°♄26'53	0°08'23
min. Earth dist.	-12780 Feb 29 j 17:24	13°♄05'27	0.57202 AU	minimum elong	-12779 Feb 12 j 01:53	22°♄26'24	0°07'38
inferior conj	-12780 Mar 03 j 12:47	11°♄12'17	-1°23'51	transit middle	-12779 Feb 12 j 01:53	22°♄26'24	0°07'38
minimum elong	-12780 Mar 03 j 09:58	11°♄17'02	1°23'50	transit begin	-12779 Feb 11 j 22:21	22°♄31'42	
morning rise	-12780 Mar 11 j 23:55	6°♄57'02		transit end	-12779 Feb 12 j 05:24	22°♄21'07	
direct	-12780 Mar 14 j 04:06	6°♄43'04		desc. node	-12779 Feb 12 j 14:48	22°♄07'03	
morning max el	-12780 Mar 23 j 04:00	10°♄59'16	19°10'46	morning rise	-12779 Feb 21 j 04:16	18°♄22'05	
	-12780 Apr 04 j 22:34	0°♄		direct	-12779 Feb 23 j 08:15	18°♄10'16	
asc. node	-12780 Apr 06 j 03:46	2°♄18'56		morning max el	-12779 Mar 05 j 22:11	23°♄12'00	20°12'14
morning set	-12780 Apr 08 j 23:29	7°♄49'00			-12779 Mar 11 j 15:32	0°♄	
				morning set	-12779 Mar 24 j 02:46	22°♄15'19	
superior conj	-12780 Apr 17 j 12:23	24°♄37'29	1°26'59	asc. node	-12779 Mar 24 j 00:49	22°♄05'30	
minimum elong	-12780 Apr 17 j 09:18	24°♄22'36	1°25'54		-12779 Mar 27 j 21:51	0°♄	
	-12780 Apr 20 j 08:01	0°♄					
max. Earth dist.	-12780 Apr 23 j 19:15	6°♄25'57	1.38101 AU	superior conj	-12779 Apr 01 j 00:14	8°♄19'35	1°07'10
evening rise	-12780 Apr 27 j 20:08	13°♄38'50		minimum elong	-12779 Mar 31 j 21:30	8°♄05'50	1°05'58
	-12780 May 07 j 15:20	0°♄		max. Earth dist.	-12779 Apr 05 j 23:48	18°♄07'37	1.36400 AU
desc. node	-12780 May 24 j 16:18	24°♄43'31		evening rise	-12779 Apr 10 j 04:46	26°♄01'35	
	-12780 May 28 j 22:27	0°♄			-12779 Apr 12 j 09:24	0°♄	
evening max el	-12780 Jun 02 j 13:49	5°♄05'12	24°45'10		-12779 May 01 j 01:57	0°♄	
retrograde	-12780 Jun 14 j 01:41	11°♄52'43		desc. node	-12779 May 11 j 13:46	13°♄40'29	
evening set	-12780 Jun 19 j 18:15	9°♄23'37		evening max el	-12779 May 15 j 23:43	18°♄27'01	25°57'59
min. Earth dist.	-12780 Jun 24 j 07:04	4°♄07'04	0.66942 AU	retrograde	-12779 May 28 j 10:27	25°♄41'41	
inferior conj	-12780 Jun 25 j 00:48	3°♄07'27	-2°15'35	evening set	-12779 Jun 03 j 16:31	22°♄59'26	
minimum elong	-12780 Jun 25 j 02:58	3°♄00'12	2°14'56	min. Earth dist.	-12779 Jun 07 j 20:38	18°♄22'12	0.66300 AU
	-12780 Jun 27 j 10:53	30°♄		inferior conj	-12779 Jun 09 j 03:14	16°♄44'18	-2°46'57
morning rise	-12780 Jun 30 j 11:39	27°♄01'48		minimum elong	-12779 Jun 09 j 05:23	16°♄37'27	2°46'41
asc. node	-12780 Jul 03 j 04:50	25°♄46'39		morning rise	-12779 Jun 14 j 18:17	10°♄50'29	
direct	-12780 Jul 04 j 05:31	25°♄40'40		direct	-12779 Jun 18 j 03:30	9°♄44'09	
	-12780 Jul 11 j 18:56	0°♄		asc. node	-12779 Jun 20 j 01:33	10°♄04'24	
morning max el	-12780 Jul 12 j 01:59	0°♄17'59	20°18'12	morning max el	-12779 Jun 25 j 06:02	13°♄48'02	19°19'18
	-12780 Aug 02 j 07:11	0°♄			-12779 Jul 07 j 03:43	0°♄	
morning set	-12780 Aug 08 j 04:53	9°♄07'27		morning set	-12779 Jul 18 j 14:10	17°♄54'39	
max. Earth dist.	-12780 Aug 19 j 05:20	26°♄30'29	1.43680 AU		-12779 Jul 26 j 06:05	0°♄	
desc. node	-12780 Aug 20 j 12:32	28°♄35'54		max. Earth dist.	-12779 Aug 01 j 20:32	10°♄26'17	1.44450 AU
	-12780 Aug 21 j 09:22	0°♄					
				superior conj	-12779 Aug 03 j 21:14	13°♄39'35	0°20'45
superior conj	-12780 Aug 24 j 09:42	4°♄54'12	-0°23'02	minimum elong	-12779 Aug 03 j 23:44	13°♄49'32	0°21'01
minimum elong	-12780 Aug 24 j 07:27	4°♄45'01	0°22'01	desc. node	-12779 Aug 07 j 09:53	19°♄17'11	
evening rise	-12780 Sep 06 j 12:20	26°♄59'01			-12779 Aug 14 j 01:21	0°♄	
	-12780 Sep 08 j 06:20	0°♄		evening rise	-12779 Aug 19 j 00:12	8°♄05'35	
evening max el	-12780 Sep 24 j 02:17	24°♄11'45	18°11'57		-12779 Sep 01 j 15:50	0°♄	
asc. node	-12780 Sep 29 j 05:22	27°♄33'43		evening max el	-12779 Sep 07 j 15:50	7°♄40'49	18°34'26
retrograde	-12780 Sep 30 j 17:13	27°♄45'12		retrograde	-12779 Sep 14 j 08:01	11°♄22'55	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12779 Sep 16 j 02:26	11°☿05'33			-12778 Aug 07 j 00:33	0°♊	
evening set	-12779 Sep 17 j 05:26	10°☿36'38		evening max el	-12778 Aug 22 j 02:28	21°♊11'26	19°13'52
inferior conj	-12779 Sep 23 j 06:54	4°☿58'15	2°07'31	retrograde	-12778 Aug 29 j 03:03	25°♊11'20	
minimum elong	-12779 Sep 23 j 04:01	5°☿06'41	2°07'23	evening set	-12778 Sep 01 j 08:28	24°♊11'17	
min. Earth dist.	-12779 Sep 25 j 03:59	2°☿46'39	0.64573 AU	asc. node	-12778 Sep 02 j 23:26	22°♊57'14	
	-12779 Sep 27 j 18:36	30°♋♊		inferior conj	-12778 Sep 07 j 01:55	18°♊19'50	1°15'29
morning rise	-12779 Sep 29 j 01:58	28°♊50'14		minimum elong	-12778 Sep 07 j 00:11	18°♊25'18	1°15'40
direct	-12779 Oct 05 j 18:25	26°♊07'28		min. Earth dist.	-12778 Sep 08 j 10:44	16°♊36'28	0.65685 AU
	-12779 Oct 14 j 21:09	0°☿		morning rise	-12778 Sep 12 j 15:31	12°♊03'16	
morning max el	-12779 Oct 19 j 00:03	3°☿37'32	27°06'05	direct	-12778 Sep 18 j 19:55	9°♊27'10	
desc. node	-12779 Nov 03 j 09:11	22°☿46'52		morning max el	-12778 Oct 01 j 10:31	16°♊47'21	26°13'17
	-12779 Nov 08 j 03:28	0°♌			-12778 Oct 12 j 13:36	0°☿	
morning set	-12779 Nov 23 j 06:23	26°♌30'18		desc. node	-12778 Oct 21 j 05:54	12°☿27'52	
	-12779 Nov 25 j 01:11	0°♍			-12778 Oct 31 j 23:53	0°♌	
max. Earth dist.	-12779 Nov 28 j 00:08	5°♍57'09	1.34363 AU	morning set	-12778 Nov 06 j 09:02	9°♌40'58	
				max. Earth dist.	-12778 Nov 10 j 12:51	17°♌36'00	1.35706 AU
superior conj	-12779 Dec 01 j 10:17	13°♍03'28	-1°26'07	superior conj	-12778 Nov 15 j 09:32	27°♌17'59	-1°34'22
minimum elong	-12779 Dec 01 j 11:58	13°♍12'21	1°25'45	minimum elong	-12778 Nov 15 j 10:25	27°♌22'32	1°33'53
evening rise	-12779 Dec 08 j 17:27	28°♍28'22			-12778 Nov 16 j 17:12	0°♍	
	-12779 Dec 09 j 11:07	0°♎		evening rise	-12778 Nov 23 j 01:29	13°♍06'42	
asc. node	-12779 Dec 13 j 00:23	7°♎09'03		asc. node	-12778 Nov 29 j 21:47	26°♍28'17	
	-12779 Dec 27 j 20:27	0°♏			-12778 Dec 01 j 22:07	0°♎	
evening max el	-12779 Dec 29 j 16:58	1°♏51'23	21°54'54	evening max el	-12778 Dec 11 j 20:30	13°♎13'55	20°31'43
retrograde	-12778 Jan 10 j 22:08	7°♏39'03		retrograde	-12778 Dec 22 j 13:40	18°♎15'47	
evening set	-12778 Jan 14 j 00:22	7°♏17'47		evening set	-12778 Dec 25 j 06:29	17°♎57'56	
inferior conj	-12778 Jan 23 j 01:12	3°♏13'57	1°51'08	inferior conj	-12777 Jan 02 j 23:56	13°♎57'58	3°17'01
minimum elong	-12778 Jan 23 j 05:39	3°♏07'36	1°49'21	minimum elong	-12777 Jan 03 j 05:37	13°♎49'30	3°15'37
min. Earth dist.	-12778 Jan 23 j 00:16	3°♏15'17	0.55473 AU	min. Earth dist.	-12777 Jan 04 j 13:25	13°♎02'20	0.55847 AU
	-12778 Jan 29 j 10:27	30°♋♎		morning rise	-12777 Jan 12 j 03:17	9°♎34'19	
desc. node	-12778 Jan 30 j 11:30	29°♎37'52		direct	-12777 Jan 15 j 17:10	9°♎06'09	
morning rise	-12778 Feb 01 j 11:04	29°♎07'06		desc. node	-12777 Jan 17 j 08:08	9°♎12'09	
direct	-12778 Feb 04 j 01:00	28°♎52'01		morning max el	-12777 Jan 29 j 01:29	15°♎40'36	23°05'24
	-12778 Feb 09 j 09:12	0°♏			-12777 Feb 09 j 04:49	0°♏	
morning max el	-12778 Feb 16 j 04:59	4°♏43'48	21°32'06	morning set	-12777 Feb 20 j 22:36	22°♏00'27	
	-12778 Mar 04 j 23:42	0°♐			-12777 Feb 24 j 17:07	0°♐	
morning set	-12778 Mar 08 j 11:11	7°♐01'30		asc. node	-12777 Feb 25 j 19:06	2°♐19'00	
asc. node	-12778 Mar 10 j 21:55	12°♐07'07					
superior conj	-12778 Mar 15 j 21:48	22°♐34'22	0°44'44	superior conj	-12777 Feb 28 j 02:09	7°♐12'53	0°21'16
minimum elong	-12778 Mar 15 j 19:55	22°♐24'32	0°43'35	minimum elong	-12777 Feb 28 j 01:16	7°♐08'11	0°20'20
max. Earth dist.	-12778 Mar 19 j 13:29	0°♑03'08	1.34996 AU	max. Earth dist.	-12777 Mar 02 j 13:05	12°♐24'06	1.33936 AU
	-12778 Mar 19 j 12:52	0°♑		evening rise	-12777 Mar 07 j 21:16	23°♐17'19	
evening rise	-12778 Mar 24 j 06:45	9°♑19'14			-12777 Mar 11 j 08:40	0°♑	
	-12778 Apr 04 j 22:31	0°♒			-12777 Mar 29 j 14:28	0°♒	
	-12778 Apr 26 j 17:26	0°♓		evening max el	-12777 Apr 10 j 20:54	14°♒48'26	27°23'43
desc. node	-12778 Apr 28 j 11:10	1°♓46'32		desc. node	-12777 Apr 15 j 08:29	18°♒41'11	
evening max el	-12778 Apr 28 j 10:24	1°♓44'39	26°53'23	retrograde	-12777 Apr 24 j 12:17	22°♒24'22	
retrograde	-12778 May 11 j 14:06	9°♓14'45		evening set	-12777 May 01 j 10:13	19°♒45'41	
evening set	-12778 May 18 j 06:47	6°♓28'18		min. Earth dist.	-12777 May 05 j 02:47	16°♒20'39	0.63834 AU
min. Earth dist.	-12778 May 22 j 03:45	2°♓29'41	0.65265 AU	inferior conj	-12777 May 07 j 14:17	13°♒39'45	-3°21'08
inferior conj	-12778 May 24 j 00:33	0°♓16'23	-3°09'39	minimum elong	-12777 May 07 j 14:52	13°♒38'09	3°21'43
minimum elong	-12778 May 24 j 02:12	0°♓11'30	3°09'50	morning rise	-12777 May 13 j 20:21	8°♒17'22	
	-12778 May 24 j 06:04	30°♋♒		direct	-12777 May 16 j 16:48	7°♒35'29	
morning rise	-12778 May 29 j 21:55	24°♒37'10		morning max el	-12777 May 23 j 04:21	11°♒01'02	18°10'28
direct	-12778 Jun 02 j 00:07	23°♒43'54		asc. node	-12777 May 24 j 19:00	12°♒46'08	
asc. node	-12778 Jun 06 j 22:16	25°♒49'21			-12777 Jun 05 j 03:02	0°♓	
morning max el	-12778 Jun 08 j 15:27	27°♒23'22	18°36'14	morning set	-12777 Jun 10 j 03:10	8°♓32'38	
	-12778 Jun 10 j 22:55	0°♓			-12777 Jun 22 j 22:37	0°♑	
morning set	-12778 Jun 28 j 20:03	27°♓38'38		superior conj	-12777 Jun 23 j 08:24	0°♑39'56	1°33'36
	-12778 Jun 30 j 06:42	0°♑		minimum elong	-12777 Jun 23 j 13:46	1°♑01'48	1°33'15
superior conj	-12778 Jul 13 j 21:20	21°♑53'03	1°03'14	max. Earth dist.	-12777 Jun 28 j 04:29	8°♑28'41	1.43903 AU
minimum elong	-12778 Jul 14 j 03:42	22°♑18'21	1°02'54	evening rise	-12777 Jul 09 j 17:02	26°♑37'59	
max. Earth dist.	-12778 Jul 15 j 13:27	24°♑32'09	1.44525 AU		-12777 Jul 11 j 21:09	0°♒	
	-12778 Jul 19 j 00:19	0°♒		desc. node	-12777 Jul 12 j 04:51	0°♒29'46	
desc. node	-12778 Jul 25 j 07:20	9°♒56'07			-12777 Aug 01 j 07:03	0°♓	
evening rise	-12778 Jul 30 j 08:51	17°♒56'01		evening max el	-12777 Aug 05 j 07:50	4°♓40'26	20°08'59

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12777 Aug 12 j 23:47	9° Π 07'26		desc. node	-12776 Jun 28 j 02:27	20° Υ 53'49	
evening set	-12777 Aug 16 j 15:21	7° Π 50'25			-12776 Jul 04 j 06:38	0° \mathcal{B}	
asc. node	-12777 Aug 20 j 20:21	3° Π 28'34		evening max el	-12776 Jul 18 j 06:24	18° \mathcal{B} 05'15	21°17'45
inferior conj	-12777 Aug 22 j 02:42	1° Π 49'00	0°23'35	retrograde	-12776 Jul 26 j 20:06	23° \mathcal{B} 08'02	
minimum elong	-12777 Aug 22 j 02:10	1° Π 50'47	0°24'06	evening set	-12776 Jul 30 j 23:54	21° \mathcal{B} 31'15	
min. Earth dist.	-12777 Aug 23 j 00:12	0° Π 37'32	0.66497 AU	inferior conj	-12776 Aug 05 j 07:07	15° \mathcal{B} 22'48	-0°26'18
	-12777 Aug 23 j 11:37	30° \mathcal{R} \mathcal{B}		minimum elong	-12776 Aug 05 j 07:40	15° \mathcal{B} 20'58	0°25'31
morning rise	-12777 Aug 27 j 12:44	25° \mathcal{B} 27'55		min. Earth dist.	-12776 Aug 05 j 17:57	14° \mathcal{B} 45'39	0.67013 AU
direct	-12777 Sep 02 j 03:16	23° \mathcal{B} 05'00		asc. node	-12776 Aug 06 j 17:12	13° \mathcal{B} 26'52	
	-12777 Sep 13 j 19:21	0° Π		morning rise	-12776 Aug 10 j 15:16	9° \mathcal{B} 01'21	
morning max el	-12777 Sep 13 j 20:35	0° Π 03'06	25°01'28	direct	-12776 Aug 15 j 15:47	6° \mathcal{B} 55'11	
	-12777 Oct 06 j 11:36	0° \mathcal{B}		morning max el	-12776 Aug 26 j 06:49	13° \mathcal{B} 18'45	23°39'36
desc. node	-12777 Oct 08 j 02:43	2° \mathcal{B} 32'06			-12776 Sep 08 j 17:02	0° Π	
morning set	-12777 Oct 19 j 17:59	21° \mathcal{B} 55'15		desc. node	-12776 Sep 23 j 23:41	22° Π 52'48	
max. Earth dist.	-12777 Oct 23 j 15:58	28° \mathcal{B} 59'43	1.37426 AU		-12776 Sep 28 j 08:50	0° \mathcal{B}	
	-12777 Oct 24 j 05:00	0° Ω		morning set	-12776 Sep 30 j 03:59	2° \mathcal{B} 59'57	
				max. Earth dist.	-12776 Oct 04 j 14:44	10° \mathcal{B} 37'33	1.39376 AU
superior conj	-12777 Oct 29 j 23:20	10° Ω 59'38	-1°36'18	superior conj	-12776 Oct 11 j 23:41	23° \mathcal{B} 57'21	-1°30'01
minimum elong	-12777 Oct 29 j 22:54	10° Ω 57'29	1°35'39	minimum elong	-12776 Oct 11 j 21:32	23° \mathcal{B} 47'17	1°29'08
evening rise	-12777 Nov 07 j 05:07	27° Ω 26'48			-12776 Oct 15 j 04:31	0° Ω	
	-12777 Nov 08 j 11:52	0° \mathcal{M}		evening rise	-12776 Oct 21 j 01:58	11° Ω 22'38	
asc. node	-12777 Nov 16 j 19:10	15° \mathcal{M} 15'18			-12776 Oct 31 j 09:36	0° \mathcal{M}	
evening max el	-12777 Nov 24 j 10:20	25° \mathcal{M} 10'54	19°25'39	asc. node	-12776 Nov 02 j 16:31	3° \mathcal{M} 19'43	
retrograde	-12777 Dec 03 j 15:24	29° \mathcal{M} 32'50		evening max el	-12776 Nov 06 j 10:08	7° \mathcal{M} 41'17	18°39'27
evening set	-12777 Dec 06 j 04:06	29° \mathcal{M} 14'34		retrograde	-12776 Nov 14 j 09:57	11° \mathcal{M} 34'57	
inferior conj	-12777 Dec 14 j 10:14	25° \mathcal{M} 04'03	4°06'06	evening set	-12776 Nov 16 j 21:08	11° \mathcal{M} 14'05	
minimum elong	-12777 Dec 14 j 13:13	24° \mathcal{M} 59'07	4°05'54	inferior conj	-12776 Nov 24 j 14:47	6° \mathcal{M} 44'30	4°16'50
min. Earth dist.	-12777 Dec 17 j 02:54	23° \mathcal{M} 17'16	0.56977 AU	minimum elong	-12776 Nov 24 j 14:00	6° \mathcal{M} 46'00	4°17'08
morning rise	-12777 Dec 22 j 20:12	20° \mathcal{M} 16'30		min. Earth dist.	-12776 Nov 27 j 18:49	4° \mathcal{M} 20'33	0.58611 AU
direct	-12777 Dec 27 j 18:36	19° \mathcal{M} 20'52		morning rise	-12776 Dec 02 j 04:59	1° \mathcal{M} 34'35	
desc. node	-12776 Jan 04 j 04:43	21° \mathcal{M} 26'28		direct	-12776 Dec 08 j 08:02	0° \mathcal{M} 01'57	
morning max el	-12776 Jan 10 j 16:30	26° \mathcal{M} 22'18	24°41'39	desc. node	-12776 Dec 21 j 01:16	6° \mathcal{M} 04'12	
	-12776 Jan 14 j 03:27	0° \mathcal{L}		morning max el	-12776 Dec 22 j 08:39	7° \mathcal{M} 16'29	26°06'22
	-12776 Feb 02 j 00:13	0° \mathcal{M}			-12775 Jan 08 j 07:43	0° \mathcal{L}	
morning set	-12776 Feb 05 j 11:05	7° \mathcal{M} 04'59		morning set	-12775 Jan 19 j 22:56	22° \mathcal{L} 08'45	
					-12775 Jan 23 j 15:13	0° \mathcal{M}	
superior conj	-12776 Feb 12 j 10:52	22° \mathcal{M} 06'49	-0°02'09	superior conj	-12775 Jan 26 j 22:06	7° \mathcal{M} 09'41	-0°24'35
minimum elong	-12776 Feb 12 j 10:59	22° \mathcal{M} 07'28	0°02'47	minimum elong	-12775 Jan 26 j 23:05	7° \mathcal{M} 15'02	0°24'53
behind sun begin	-12776 Feb 12 j 05:57	21° \mathcal{M} 40'15		max. Earth dist.	-12775 Jan 27 j 08:54	8° \mathcal{M} 08'36	1.32856 AU
behind sun end	-12776 Feb 12 j 16:01	22° \mathcal{M} 34'40		asc. node	-12775 Jan 29 j 13:41	12° \mathcal{M} 55'26	
asc. node	-12776 Feb 12 j 16:22	22° \mathcal{M} 36'32		evening rise	-12775 Feb 03 j 01:56	22° \mathcal{M} 29'08	
max. Earth dist.	-12776 Feb 13 j 20:36	25° \mathcal{M} 08'48	1.33228 AU		-12775 Feb 06 j 19:32	0° \mathcal{L}	
	-12776 Feb 16 j 03:10	0° \mathcal{L}			-12775 Feb 25 j 01:59	0° \mathcal{B}	
evening rise	-12776 Feb 19 j 20:35	7° \mathcal{L} 43'41		evening max el	-12775 Mar 05 j 09:21	9° \mathcal{B} 31'42	26°50'16
	-12776 Mar 02 j 20:51	0° \mathcal{B}		retrograde	-12775 Mar 19 j 11:59	16° \mathcal{B} 58'17	
evening max el	-12776 Mar 23 j 05:13	27° \mathcal{B} 26'47	27°23'27	desc. node	-12775 Mar 19 j 02:47	16° \mathcal{B} 57'54	
	-12776 Mar 26 j 01:25	0° \approx		evening set	-12775 Mar 25 j 19:37	15° \mathcal{B} 12'08	
desc. node	-12776 Apr 01 j 05:42	3° \approx 55'53		min. Earth dist.	-12775 Mar 29 j 22:45	12° \mathcal{B} 20'30	0.60111 AU
retrograde	-12776 Apr 06 j 04:04	5° \approx 01'08		inferior conj	-12775 Apr 02 j 06:15	9° \mathcal{B} 33'20	-2°54'23
evening set	-12776 Apr 12 j 23:30	2° \approx 43'31		minimum elong	-12775 Apr 02 j 03:38	9° \mathcal{B} 38'54	2°54'48
	-12776 Apr 16 j 09:08	30° \mathcal{R} \mathcal{B}		morning rise	-12775 Apr 09 j 14:09	4° \mathcal{B} 48'49	
min. Earth dist.	-12776 Apr 16 j 17:00	29° \mathcal{B} 41'56	0.62067 AU	direct	-12775 Apr 12 j 01:09	4° \mathcal{B} 25'10	
inferior conj	-12776 Apr 19 j 17:20	26° \mathcal{B} 47'47	-3°17'44	morning max el	-12775 Apr 19 j 06:26	7° \mathcal{B} 57'26	18°13'52
minimum elong	-12776 Apr 19 j 16:22	26° \mathcal{B} 50'08	3°18'27	asc. node	-12775 Apr 27 j 12:37	19° \mathcal{B} 15'35	
morning rise	-12776 Apr 26 j 10:51	21° \mathcal{B} 43'51			-12775 May 03 j 12:51	0° \approx	
direct	-12776 Apr 29 j 02:22	21° \mathcal{B} 11'52		morning set	-12775 May 05 j 08:56	3° \approx 25'09	
morning max el	-12776 May 05 j 18:15	24° \mathcal{B} 34'36	18°02'48				
	-12776 May 10 j 04:58	0° \approx		superior conj	-12775 May 15 j 10:31	21° \approx 57'31	1°47'05
asc. node	-12776 May 10 j 15:46	0° \approx 38'58		minimum elong	-12775 May 15 j 09:03	21° \approx 50'57	1°46'32
morning set	-12776 May 22 j 09:00	20° \approx 31'21			-12775 May 20 j 00:05	0° \mathcal{L}	
	-12776 May 27 j 16:48	0° \mathcal{H}		max. Earth dist.	-12775 May 22 j 19:24	4° \mathcal{H} 48'10	1.41025 AU
superior conj	-12776 Jun 02 j 20:17	10° \mathcal{H} 39'25	1°47'32	evening rise	-12775 May 28 j 08:21	13° \mathcal{H} 59'58	
minimum elong	-12776 Jun 02 j 21:54	10° \mathcal{H} 46'16	1°47'14		-12775 Jun 07 j 12:43	0° Υ	
max. Earth dist.	-12776 Jun 09 j 14:40	21° \mathcal{H} 57'20	1.42678 AU	desc. node	-12775 Jun 15 j 00:04	11° Υ 03'24	
	-12776 Jun 14 j 14:10	0° Υ			-12775 Jun 29 j 13:25	0° \mathcal{B}	
evening rise	-12776 Jun 17 j 17:13	4° Υ 56'58					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12775 Jun 30 j 22:19	1° 8 26'13	22°36'22	retrograde	-12774 Jun 24 j 05:42	21° Y 11'39	
retrograde	-12775 Jul 10 j 14:27	7° 8 10'28		evening set	-12774 Jun 29 j 14:03	18° Y 52'44	
evening set	-12775 Jul 15 j 08:06	5° 8 12'19		inferior conj	-12774 Jul 04 j 19:25	12° Y 37'14	-1°54'19
	-12775 Jul 19 j 19:42	30° R Y		minimum elong	-12774 Jul 04 j 21:24	12° Y 30'29	1°53'32
inferior conj	-12775 Jul 20 j 13:17	28° Y 59'18	-1°12'42	min. Earth dist.	-12774 Jul 04 j 08:28	13° Y 14'41	0.67144 AU
minimum elong	-12775 Jul 20 j 14:41	28° Y 54'26	1°11'49	morning rise	-12774 Jul 10 j 04:42	6° Y 26'28	
min. Earth dist.	-12775 Jul 20 j 13:30	28° Y 58'34	0.67235 AU	asc. node	-12774 Jul 11 j 10:43	5° Y 38'14	
asc. node	-12775 Jul 24 j 13:59	23° Y 53'49		direct	-12774 Jul 14 j 04:28	4° Y 55'56	
morning rise	-12775 Jul 25 j 21:11	22° Y 41'26		morning max el	-12774 Jul 22 j 13:42	9° Y 55'09	20°58'23
direct	-12775 Jul 30 j 08:35	20° Y 53'17			-12774 Aug 06 j 17:08	0° 8	
morning max el	-12775 Aug 08 j 19:38	26° Y 34'48	22°16'10	morning set	-12774 Aug 20 j 21:49	21° 8 35'51	
	-12775 Aug 11 j 21:47	0° 8			-12774 Aug 26 j 05:35	0° II	
	-12775 Sep 02 j 07:43	0° II		desc. node	-12774 Aug 28 j 17:59	4° II 02'22	
morning set	-12775 Sep 10 j 11:47	12° II 48'04		max. Earth dist.	-12774 Aug 30 j 00:00	6° II 03'54	1.42956 AU
desc. node	-12775 Sep 10 j 20:46	13° II 24'13					
max. Earth dist.	-12775 Sep 16 j 16:17	22° II 56'58	1.41313 AU	superior conj	-12774 Sep 05 j 10:20	16° II 41'12	-0°44'49
	-12775 Sep 20 j 19:47	0° ☾		minimum elong	-12774 Sep 05 j 06:41	16° II 25'52	0°43'36
					-12774 Sep 13 j 04:26	0° ☾	
superior conj	-12775 Sep 24 j 05:17	5° ☾ 56'12	-1°13'25	evening rise	-12774 Sep 17 j 09:47	7° ☾ 26'49	
minimum elong	-12775 Sep 24 j 01:36	5° ☾ 39'55	1°12'15		-12774 Sep 30 j 23:55	0° Ω	
evening rise	-12775 Oct 04 j 12:53	24° ☾ 45'51		evening max el	-12774 Oct 04 j 05:40	3° Ω 50'52	18°07'01
	-12775 Oct 07 j 08:44	0° Ω		asc. node	-12774 Oct 07 j 11:00	6° Ω 23'57	
evening max el	-12775 Oct 20 j 17:33	20° Ω 37'05	18°13'25	retrograde	-12774 Oct 10 j 23:10	7° Ω 23'29	
asc. node	-12775 Oct 20 j 13:49	20° Ω 27'45		evening set	-12774 Oct 13 j 12:33	6° Ω 52'21	
retrograde	-12775 Oct 27 j 21:39	24° Ω 14'54		inferior conj	-12774 Oct 20 j 05:56	1° Ω 40'24	3°22'40
evening set	-12775 Oct 30 j 09:00	23° Ω 49'49		minimum elong	-12774 Oct 20 j 02:04	1° Ω 50'03	3°22'29
inferior conj	-12775 Nov 06 j 14:08	18° Ω 58'26	3°58'46		-12774 Oct 21 j 22:03	30° R ☾	
minimum elong	-12775 Nov 06 j 10:58	19° Ω 05'24	3°58'53	min. Earth dist.	-12774 Oct 22 j 22:36	28° ☾ 59'52	0.62226 AU
min. Earth dist.	-12775 Nov 09 j 16:16	16° Ω 16'48	0.60447 AU	morning rise	-12774 Oct 26 j 14:29	25° ☾ 53'01	
morning rise	-12775 Nov 13 j 11:30	13° Ω 28'37		direct	-12774 Nov 02 j 15:42	23° ☾ 21'56	
direct	-12775 Nov 20 j 07:35	11° Ω 21'30			-12774 Nov 15 j 13:28	0° Ω	
morning max el	-12775 Dec 04 j 06:30	18° Ω 43'26	27°06'02	morning max el	-12774 Nov 16 j 10:49	0° Ω 50'21	27°32'34
desc. node	-12775 Dec 07 j 21:48	22° Ω 31'19		desc. node	-12774 Nov 24 j 18:23	10° Ω 18'09	
	-12775 Dec 13 j 21:43	0° ♐			-12774 Dec 07 j 21:43	0° ♐	
	-12775 Dec 31 j 20:26	0° ♑		morning set	-12774 Dec 19 j 12:43	21° ♐ 42'20	
morning set	-12774 Jan 04 j 08:11	7° ♑ 03'43			-12774 Dec 23 j 12:21	0° ♑	
				max. Earth dist.	-12774 Dec 25 j 09:01	3° ♑ 58'56	1.33105 AU
superior conj	-12774 Jan 11 j 10:01	22° ♑ 13'44	-0°45'23				
minimum elong	-12774 Jan 11 j 11:38	22° ♑ 22'35	0°45'25	superior conj	-12774 Dec 26 j 20:57	7° ♑ 12'59	-1°03'50
max. Earth dist.	-12774 Jan 10 j 22:18	21° ♑ 09'49	1.32809 AU	minimum elong	-12774 Dec 26 j 22:54	7° ♑ 23'35	1°03'39
	-12774 Jan 14 j 23:36	0° ♒		evening rise	-12773 Jan 02 j 21:56	22° ♑ 22'36	
asc. node	-12774 Jan 16 j 11:04	3° ♒ 10'46		asc. node	-12773 Jan 03 j 08:28	23° ♑ 17'46	
evening rise	-12774 Jan 18 j 11:00	7° ♒ 24'23			-12773 Jan 06 j 15:21	0° ♒	
	-12774 Jan 30 j 10:25	0° ♊			-12773 Jan 26 j 02:21	0° ♊	
evening max el	-12774 Feb 15 j 07:55	20° ♊ 59'37	25°46'53	evening max el	-12773 Jan 28 j 01:51	1° ♊ 58'52	24°21'48
retrograde	-12774 Mar 01 j 09:49	28° ♊ 12'32		retrograde	-12773 Feb 10 j 19:59	8° ♊ 49'07	
desc. node	-12774 Mar 05 j 23:44	27° ♊ 21'45		evening set	-12773 Feb 15 j 05:50	8° ♊ 05'28	
evening set	-12774 Mar 06 j 20:59	27° ♊ 00'36		desc. node	-12773 Feb 20 j 20:34	5° ♊ 23'00	
min. Earth dist.	-12774 Mar 11 j 21:23	24° ♊ 05'21	0.58187 AU	min. Earth dist.	-12773 Feb 21 j 15:18	4° ♊ 54'16	0.56596 AU
inferior conj	-12774 Mar 15 j 01:27	21° ♊ 47'12	-2°05'17	inferior conj	-12773 Feb 24 j 00:51	3° ♊ 22'52	-0°47'19
minimum elong	-12774 Mar 14 j 22:05	21° ♊ 53'22	2°05'16	minimum elong	-12773 Feb 23 j 23:03	3° ♊ 25'44	0°47'31
morning rise	-12774 Mar 23 j 02:20	17° ♊ 22'01			-12773 Mar 02 j 04:50	30° R ♒	
direct	-12774 Mar 25 j 08:56	17° ♊ 05'04		morning rise	-12773 Mar 04 j 19:15	29° ♒ 13'37	
morning max el	-12774 Apr 02 j 14:00	21° ♊ 00'39	18°44'21	direct	-12773 Mar 06 j 22:44	29° ♒ 01'01	
	-12774 Apr 09 j 12:46	0° ♋			-12773 Mar 11 j 10:42	0° ♋	
asc. node	-12774 Apr 14 j 09:33	8° ♋ 25'46		morning max el	-12773 Mar 16 j 13:55	3° ♋ 34'42	19°34'36
morning set	-12774 Apr 18 j 22:22	17° ♋ 02'55		asc. node	-12773 Apr 01 j 06:32	28° ♋ 01'02	
	-12774 Apr 25 j 15:04	0° ♌			-12773 Apr 02 j 06:35	0° ♋	
				morning set	-12773 Apr 02 j 21:29	1° ♋ 14'09	
superior conj	-12774 Apr 27 j 22:37	4° ♌ 23'20	1°36'20				
minimum elong	-12774 Apr 27 j 19:44	4° ♌ 09'46	1°35'26	superior conj	-12773 Apr 11 j 03:10	17° ♋ 41'46	1°19'01
max. Earth dist.	-12774 May 04 j 20:18	17° ♌ 00'07	1.39165 AU	minimum elong	-12773 Apr 11 j 00:09	17° ♋ 26'56	1°17'52
evening rise	-12774 May 09 j 02:15	24° ♌ 23'02		max. Earth dist.	-12773 Apr 16 j 21:31	28° ♋ 44'34	1.37343 AU
	-12774 May 12 j 10:33	0° ♌			-12773 Apr 17 j 13:45	0° ♌	
	-12774 Jun 01 j 06:17	0° ♍		evening rise	-12773 Apr 20 j 22:13	6° ♌ 06'00	
desc. node	-12774 Jun 01 j 21:38	0° ♍ 52'13			-12773 May 05 j 08:27	0° ♌	
evening max el	-12774 Jun 13 j 09:30	14° ♍ 45'45	23°58'56	desc. node	-12773 May 19 j 19:09	20° ♌ 11'23	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12773 May 26 j 18:54	28° H 05'50	25°17'45		-12772 Apr 28 j 09:37	0° H	
	-12773 May 28 j 19:00	0° Y		desc. node	-12772 May 05 j 16:35	8° H 49'15	
retrograde	-12773 Jun 07 j 17:04	5° Y 06'37		evening max el	-12772 May 08 j 04:59	11° H 26'38	26°24'07
evening set	-12773 Jun 13 j 15:44	2° Y 30'41		retrograde	-12772 May 20 j 23:56	18° H 50'08	
	-12773 Jun 16 j 01:18	30° R H		evening set	-12772 May 27 j 10:56	16° H 04'38	
min. Earth dist.	-12773 Jun 18 j 00:34	27° H 31'03	0.66711 AU	min. Earth dist.	-12772 May 31 j 11:40	11° H 44'08	0.65906 AU
inferior conj	-12773 Jun 18 j 23:42	26° H 14'42	-2°29'52	inferior conj	-12772 Jun 02 j 00:15	9° H 50'17	-2°57'48
minimum elong	-12773 Jun 19 j 01:55	26° H 07'25	2°29'22	minimum elong	-12772 Jun 02 j 02:15	9° H 44'04	2°57'44
morning rise	-12773 Jun 24 j 12:08	20° H 14'02		morning rise	-12772 Jun 07 j 17:44	4° H 02'24	
direct	-12773 Jun 28 j 02:03	18° H 59'35		direct	-12772 Jun 10 j 23:39	3° H 02'03	
asc. node	-12773 Jun 28 j 07:26	18° H 59'52		asc. node	-12772 Jun 14 j 04:10	3° H 56'40	
morning max el	-12773 Jul 05 j 14:11	23° H 21'37	19°51'26	morning max el	-12772 Jun 17 j 20:45	6° H 54'43	18°58'53
	-12773 Jul 11 j 01:34	0° Y			-12772 Jul 03 j 23:24	0° Y	
	-12773 Jul 30 j 23:41	0° B		morning set	-12772 Jul 09 j 18:08	9° Y 14'21	
morning set	-12773 Jul 31 j 01:28	0° B 06'58			-12772 Jul 22 j 19:36	0° B	
max. Earth dist.	-12773 Aug 12 j 12:51	19° B 45'16	1.44083 AU	max. Earth dist.	-12772 Jul 25 j 04:34	3° B 45'23	1.44564 AU
desc. node	-12773 Aug 15 j 15:17	24° B 43'12					
				superior conj	-12772 Jul 25 j 15:40	4° B 29'17	0°39'41
superior conj	-12773 Aug 16 j 11:34	26° B 04'53	-0°05'03	minimum elong	-12772 Jul 25 j 20:16	4° B 47'29	0°39'37
minimum elong	-12773 Aug 16 j 11:05	26° B 02'56	0°04'18	desc. node	-12772 Aug 01 j 12:40	15° B 23'50	
behind sun begin	-12773 Aug 16 j 00:36	25° B 20'40		evening rise	-12772 Aug 10 j 11:50	29° B 46'03	
behind sun end	-12773 Aug 16 j 21:35	26° B 45'17			-12772 Aug 10 j 15:18	0° II	
	-12773 Aug 18 j 21:39	0° II			-12772 Aug 30 j 14:56	0° B	
evening rise	-12773 Aug 30 j 11:19	19° II 11'35		evening max el	-12772 Aug 31 j 08:01	0° B 45'18	18°49'18
	-12773 Sep 05 j 21:20	0° B		retrograde	-12772 Sep 07 j 03:05	4° B 34'03	
evening max el	-12773 Sep 17 j 19:26	17° B 15'20	18°19'21	evening set	-12772 Sep 10 j 03:32	3° B 42'31	
retrograde	-12773 Sep 24 j 10:11	20° B 51'51		asc. node	-12772 Sep 10 j 05:10	3° B 40'11	
asc. node	-12773 Sep 24 j 08:07	20° B 51'48			-12772 Sep 14 j 08:11	30° R II	
evening set	-12773 Sep 27 j 03:55	20° B 12'05		inferior conj	-12772 Sep 16 j 01:23	27° II 58'24	1°45'37
inferior conj	-12773 Oct 03 j 10:45	14° B 42'31	2°36'32	minimum elong	-12772 Sep 15 j 22:58	28° II 05'43	1°45'34
minimum elong	-12773 Oct 03 j 07:19	14° B 52'02	2°36'18	min. Earth dist.	-12772 Sep 17 j 17:15	25° II 57'52	0.65077 AU
min. Earth dist.	-12773 Oct 05 j 15:11	12° B 17'17	0.63790 AU	morning rise	-12772 Sep 21 j 17:50	21° II 46'05	
morning rise	-12773 Oct 09 j 09:54	8° B 40'44		direct	-12772 Sep 28 j 05:34	19° II 04'48	
direct	-12773 Oct 16 j 07:16	5° B 58'35		morning max el	-12772 Oct 11 j 05:41	26° II 32'54	26°46'28
morning max el	-12773 Oct 29 j 19:27	13° B 30'49	27°24'48		-12772 Oct 14 j 12:18	0° B	
desc. node	-12773 Nov 11 j 15:00	29° B 01'39		desc. node	-12772 Oct 28 j 11:39	18° B 25'14	
	-12773 Nov 12 j 07:27	0° O			-12772 Nov 04 j 20:33	0° O	
	-12773 Nov 30 j 08:31	0° M		morning set	-12772 Nov 15 j 20:39	19° O 33'26	
morning set	-12773 Dec 03 j 10:00	5° M 56'02		max. Earth dist.	-12772 Nov 20 j 07:51	28° O 17'48	1.34873 AU
max. Earth dist.	-12773 Dec 08 j 13:19	16° M 24'12	1.33778 AU		-12772 Nov 21 j 04:09	0° M	
superior conj	-12773 Dec 11 j 05:06	22° M 01'14	-1°19'08	superior conj	-12772 Nov 24 j 08:22	6° M 30'47	-1°30'18
minimum elong	-12773 Dec 11 j 07:01	22° M 11'27	1°18'49	minimum elong	-12772 Nov 24 j 09:47	6° M 38'08	1°29'53
	-12773 Dec 14 j 22:33	0° A		evening rise	-12772 Dec 01 j 18:45	22° M 04'15	
evening rise	-12773 Dec 18 j 09:04	7° A 18'00			-12772 Dec 05 j 16:54	0° A	
asc. node	-12773 Dec 21 j 05:52	13° A 11'34		asc. node	-12772 Dec 07 j 03:16	2° A 45'40	
	-12773 Dec 30 j 13:48	0° M		evening max el	-12772 Dec 21 j 18:22	23° A 58'41	21°17'54
evening max el	-12772 Jan 09 j 19:31	12° M 51'06	22°47'52	retrograde	-12771 Jan 02 j 09:05	29° A 26'31	
retrograde	-12772 Jan 22 j 18:24	19° M 05'14		evening set	-12771 Jan 05 j 06:10	29° A 07'33	
evening set	-12772 Jan 26 j 05:28	18° M 39'00		inferior conj	-12771 Jan 14 j 04:41	25° A 07'48	2°31'07
min. Earth dist.	-12772 Feb 03 j 06:54	14° M 59'23	0.55641 AU	minimum elong	-12771 Jan 14 j 10:12	24° A 59'53	2°29'18
inferior conj	-12772 Feb 04 j 06:58	14° M 24'21	0°52'13	min. Earth dist.	-12771 Jan 14 j 21:01	24° A 44'20	0.55525 AU
minimum elong	-12772 Feb 04 j 09:09	14° M 21'12	0°50'57	morning rise	-12771 Jan 23 j 13:26	20° A 54'52	
desc. node	-12772 Feb 07 j 17:20	12° M 29'23		desc. node	-12771 Jan 24 j 14:00	20° A 43'56	
morning rise	-12772 Feb 13 j 14:13	10° M 20'44		direct	-12771 Jan 26 j 11:49	20° A 35'44	
direct	-12772 Feb 15 j 20:31	10° M 08'32		morning max el	-12771 Feb 08 j 05:45	26° A 48'04	22°10'29
morning max el	-12772 Feb 27 j 03:35	15° M 31'45	20°44'10		-12771 Feb 11 j 06:28	0° M	
	-12772 Mar 08 j 20:13	0° J			-12771 Mar 01 j 04:53	0° J	
morning set	-12772 Mar 17 j 03:16	15° J 50'32		morning set	-12771 Mar 01 j 13:14	0° J 43'18	
asc. node	-12772 Mar 18 j 03:35	17° J 55'10		asc. node	-12771 Mar 05 j 00:43	8° J 01'56	
	-12772 Mar 24 j 00:03	0° S					
				superior conj	-12771 Mar 08 j 20:28	16° J 06'35	0°34'50
superior conj	-12772 Mar 24 j 19:39	1° S 40'10	0°57'52	minimum elong	-12771 Mar 08 j 18:59	15° J 58'49	0°33'47
minimum elong	-12772 Mar 24 j 17:14	1° S 27'50	0°56'41	max. Earth dist.	-12771 Mar 11 j 23:13	22° J 34'46	1.34507 AU
max. Earth dist.	-12772 Mar 29 j 05:17	10° S 29'00	1.35758 AU		-12771 Mar 15 j 15:44	0° S	
evening rise	-12772 Apr 02 j 14:59	18° S 55'02		evening rise	-12771 Mar 16 j 22:54	2° S 32'20	
	-12772 Apr 08 j 18:44	0° A			-12771 Apr 01 j 16:19	0° A	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12771 Apr 20 j 15:55	24° \approx 40'28	27°09'43	evening rise	-12770 Feb 28 j 17:36	16° \approx 44'13	
desc. node	-12771 Apr 22 j 13:58	26° \approx 28'13			-12770 Mar 07 j 16:42	0° \approx	
	-12771 Apr 27 j 05:49	0° \approx			-12770 Mar 27 j 06:25	0° \approx	
retrograde	-12771 May 04 j 01:28	2° \approx 14'13		evening max el	-12770 Apr 03 j 02:02	7° \approx 35'46	27°27'30
	-12771 May 10 j 05:19	30° \approx		desc. node	-12770 Apr 09 j 11:16	12° \approx 44'32	
evening set	-12771 May 10 j 20:59	29° \approx 29'45		retrograde	-12770 Apr 16 j 20:52	15° \approx 10'46	
min. Earth dist.	-12771 May 14 j 15:44	25° \approx 45'57	0.64703 AU	evening set	-12770 Apr 23 j 18:47	12° \approx 39'51	
inferior conj	-12771 May 16 j 18:43	23° \approx 19'46	-3°16'06	min. Earth dist.	-12770 Apr 27 j 11:06	9° \approx 26'05	0.63126 AU
minimum elong	-12771 May 16 j 19:58	23° \approx 16'09	3°16'29	inferior conj	-12770 Apr 30 j 04:20	6° \approx 37'47	-3°21'48
morning rise	-12771 May 22 j 19:27	17° \approx 47'10		minimum elong	-12770 Apr 30 j 04:19	6° \approx 37'51	3°22'29
direct	-12771 May 25 j 19:01	16° \approx 58'58		morning rise	-12770 May 06 j 14:54	1° \approx 22'48	
asc. node	-12771 Jun 01 j 00:54	20° \approx 14'13		direct	-12770 May 09 j 09:17	0° \approx 45'09	
morning max el	-12771 Jun 01 j 07:53	20° \approx 31'31	18°22'59	morning max el	-12770 May 15 j 21:28	4° \approx 07'55	18°04'52
	-12771 Jun 08 j 12:48	0° \approx		asc. node	-12770 May 18 j 21:39	7° \approx 36'32	
morning set	-12771 Jun 20 j 10:47	19° \approx 28'07			-12770 Jun 01 j 16:23	0° \approx	
	-12771 Jun 26 j 19:43	0° \approx		morning set	-12770 Jun 02 j 04:08	0° \approx 51'14	
superior conj	-12771 Jul 04 j 17:55	12° \approx 50'00	1°18'04	superior conj	-12770 Jun 14 j 14:37	22° \approx 04'48	1°41'31
minimum elong	-12771 Jul 05 j 00:28	13° \approx 16'13	1°17'40	minimum elong	-12770 Jun 14 j 18:28	22° \approx 20'47	1°41'13
max. Earth dist.	-12771 Jul 07 j 20:42	17° \approx 48'18	1.44342 AU		-12770 Jun 19 j 10:31	0° \approx	
	-12771 Jul 15 j 14:02	0° \approx		max. Earth dist.	-12770 Jun 20 j 10:26	1° \approx 36'45	1.43453 AU
desc. node	-12771 Jul 19 j 10:10	6° \approx 01'14		evening rise	-12770 Jun 30 j 11:01	17° \approx 29'10	
evening rise	-12771 Jul 21 j 08:58	9° \approx 04'23		desc. node	-12770 Jul 06 j 07:45	26° \approx 31'34	
greatest brilliancy	-12771 Aug 01 j 06:25	25° \approx 58'25	-0.7m		-12770 Jul 08 j 14:32	0° \approx	
	-12771 Aug 03 j 22:20	0° \approx		evening max el	-12770 Jul 28 j 19:25	27° \approx 44'04	20°36'49
evening max el	-12771 Aug 14 j 16:45	14° \approx 16'19	19°35'38		-12770 Jul 31 j 06:48	0° \approx	
retrograde	-12771 Aug 21 j 22:59	18° \approx 26'19		retrograde	-12770 Aug 05 j 19:41	2° \approx 24'50	
evening set	-12771 Aug 25 j 08:29	17° \approx 19'27		evening set	-12770 Aug 09 j 16:20	0° \approx 59'31	
asc. node	-12771 Aug 28 j 02:08	14° \approx 53'51			-12770 Aug 10 j 20:28	30° \approx	
inferior conj	-12771 Aug 30 j 23:08	11° \approx 23'42	0°53'21	asc. node	-12770 Aug 14 j 23:02	25° \approx 03'46	
minimum elong	-12771 Aug 30 j 21:55	11° \approx 27'39	0°53'39	inferior conj	-12770 Aug 15 j 01:41	24° \approx 54'51	0°02'03
min. Earth dist.	-12771 Sep 01 j 03:06	9° \approx 53'24	0.66066 AU	minimum elong	-12770 Aug 15 j 01:37	24° \approx 55'03	0°02'42
morning rise	-12771 Sep 05 j 11:00	5° \approx 10'45		transit middle	-12770 Aug 15 j 01:37	24° \approx 55'03	0°02'42
direct	-12771 Sep 11 j 09:46	2° \approx 33'31		transit begin	-12770 Aug 14 j 22:55	25° \approx 04'10	
morning max el	-12771 Sep 23 j 15:46	9° \approx 45'37	25°44'34	transit end	-12770 Aug 15 j 04:19	24° \approx 45'56	
	-12771 Oct 09 j 19:15	0° \approx		min. Earth dist.	-12770 Aug 15 j 18:33	23° \approx 57'56	0.66755 AU
desc. node	-12771 Oct 15 j 08:25	8° \approx 17'27		morning rise	-12770 Aug 20 j 10:44	18° \approx 33'25	
	-12771 Oct 28 j 08:59	0° \approx		direct	-12770 Aug 25 j 19:18	16° \approx 17'28	
morning set	-12771 Oct 29 j 16:25	2° \approx 22'05		morning max el	-12770 Sep 06 j 01:39	23° \approx 01'24	24°27'26
max. Earth dist.	-12771 Nov 02 j 15:53	9° \approx 46'38	1.36392 AU		-12770 Sep 12 j 05:31	0° \approx	
superior conj	-12771 Nov 08 j 04:04	20° \approx 33'15	-1°36'05	desc. node	-12770 Oct 02 j 05:18	28° \approx 29'24	
minimum elong	-12771 Nov 08 j 04:28	20° \approx 35'13	1°35'32		-12770 Oct 03 j 04:07	0° \approx	
	-12771 Nov 12 j 19:41	0° \approx		morning set	-12770 Oct 11 j 16:08	14° \approx 07'33	
evening rise	-12771 Nov 16 j 01:11	6° \approx 35'56		max. Earth dist.	-12770 Oct 15 j 16:39	21° \approx 13'50	1.38243 AU
asc. node	-12771 Nov 24 j 00:40	21° \approx 52'36			-12770 Oct 20 j 10:46	0° \approx	
	-12771 Nov 29 j 05:52	0° \approx		superior conj	-12770 Oct 22 j 12:42	3° \approx 57'32	-1°34'46
evening max el	-12771 Dec 04 j 02:19	5° \approx 36'21	20°01'24	minimum elong	-12770 Oct 22 j 11:33	3° \approx 52'03	1°34'02
retrograde	-12771 Dec 14 j 03:16	10° \approx 19'29		evening rise	-12770 Oct 31 j 02:13	20° \approx 46'24	
evening set	-12771 Dec 16 j 18:09	10° \approx 01'40			-12770 Nov 04 j 20:43	0° \approx	
inferior conj	-12771 Dec 25 j 07:06	5° \approx 58'54	3°42'48	asc. node	-12770 Nov 10 j 22:03	10° \approx 22'41	
minimum elong	-12771 Dec 25 j 11:59	5° \approx 51'20	3°41'54	evening max el	-12770 Nov 16 j 20:27	17° \approx 47'17	19°03'29
min. Earth dist.	-12771 Dec 27 j 10:04	4° \approx 40'24	0.56251 AU	retrograde	-12770 Nov 25 j 11:53	21° \approx 55'50	
morning rise	-12770 Jan 03 j 03:57	1° \approx 25'35		evening set	-12770 Nov 27 j 23:49	21° \approx 36'33	
direct	-12770 Jan 07 j 07:39	0° \approx 47'17		inferior conj	-12770 Dec 06 j 00:37	17° \approx 18'10	4°14'56
desc. node	-12770 Jan 11 j 10:37	1° \approx 26'08		minimum elong	-12770 Dec 06 j 01:56	17° \approx 15'51	4°15'03
morning max el	-12770 Jan 20 j 22:57	7° \approx 34'52	23°46'37	min. Earth dist.	-12770 Dec 08 j 23:50	15° \approx 13'47	0.57628 AU
	-12770 Feb 06 j 00:42	0° \approx		morning rise	-12770 Dec 14 j 02:06	12° \approx 21'02	
morning set	-12770 Feb 14 j 01:22	15° \approx 45'42		direct	-12770 Dec 19 j 13:43	11° \approx 10'27	
asc. node	-12770 Feb 19 j 21:56	28° \approx 16'44		desc. node	-12770 Dec 29 j 07:10	14° \approx 44'36	
	-12770 Feb 20 j 17:08	0° \approx		morning max el	-12769 Jan 02 j 13:37	18° \approx 17'52	25°20'05
superior conj	-12770 Feb 21 j 02:56	0° \approx 52'38	0°11'18		-12769 Jan 12 j 07:39	0° \approx	
minimum elong	-12770 Feb 21 j 02:29	0° \approx 50'12	0°10'29		-12769 Jan 29 j 04:07	0° \approx	
behind sun begin	-12770 Feb 20 j 22:35	0° \approx 29'16		morning set	-12769 Jan 29 j 13:50	0° \approx 50'54	
behind sun end	-12770 Feb 21 j 06:23	1° \approx 11'08		superior conj	-12769 Feb 05 j 12:57	15° \approx 51'01	-0°11'49
max. Earth dist.	-12770 Feb 23 j 02:45	5° \approx 07'46	1.33605 AU	minimum elong	-12769 Feb 05 j 13:27	15° \approx 53'46	0°12'18

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

behind sun begin	-12769 Feb 05 j 10:17	15° \mathbb{M} 36'32		superior conj	-12768 Jan 21 j 00:38	0° \mathbb{M} 54'45	-0°33'39
behind sun end	-12769 Feb 05 j 16:37	16° \mathbb{M} 10'59		minimum elong	-12768 Jan 21 j 01:54	1° \mathbb{M} 01'45	0°33'51
max. Earth dist.	-12769 Feb 06 j 12:56	18° \mathbb{M} 01'15	1.33031 AU	max. Earth dist.	-12768 Jan 21 j 02:03	1° \mathbb{M} 02'30	1.32786 AU
asc. node	-12769 Feb 06 j 19:13	18° \mathbb{M} 35'18		asc. node	-12768 Jan 24 j 16:34	8° \mathbb{M} 52'58	
	-12769 Feb 12 j 04:17	0° \mathbb{A}		evening rise	-12768 Jan 28 j 02:54	16° \mathbb{M} 09'30	
evening rise	-12769 Feb 12 j 19:47	1° \mathbb{A} 19'40			-12768 Feb 04 j 03:29	0° \mathbb{A}	
	-12769 Feb 28 j 17:11	0° \mathbb{B}			-12768 Feb 24 j 14:53	0° \mathbb{B}	
evening max el	-12769 Mar 16 j 08:49	20° \mathbb{B} 01'02	27°13'14	evening max el	-12768 Feb 26 j 10:21	1° \mathbb{B} 48'57	26°26'39
desc. node	-12769 Mar 27 j 08:26	27° \mathbb{B} 07'40		retrograde	-12768 Mar 11 j 13:25	9° \mathbb{B} 11'33	
retrograde	-12769 Mar 30 j 09:18	27° \mathbb{B} 32'17		desc. node	-12768 Mar 13 j 05:27	9° \mathbb{B} 04'25	
evening set	-12769 Apr 06 j 01:09	25° \mathbb{B} 26'54		evening set	-12768 Mar 17 j 13:22	7° \mathbb{B} 39'49	
min. Earth dist.	-12769 Apr 09 j 21:24	22° \mathbb{B} 31'38	0.61255 AU	min. Earth dist.	-12768 Mar 21 j 23:45	4° \mathbb{B} 48'26	0.59266 AU
inferior conj	-12769 Apr 13 j 01:52	19° \mathbb{B} 37'46	-3°10'39	inferior conj	-12768 Mar 25 j 07:37	2° \mathbb{B} 10'37	-2°37'03
minimum elong	-12769 Apr 13 j 00:10	19° \mathbb{B} 41'40	3°11'16	minimum elong	-12768 Mar 25 j 04:29	2° \mathbb{B} 16'51	2°37'16
morning rise	-12769 Apr 20 j 01:10	14° \mathbb{B} 42'09			-12768 Mar 28 j 04:41	30° \mathbb{R} \mathbb{A}	
direct	-12769 Apr 22 j 14:52	14° \mathbb{B} 13'48		morning rise	-12768 Apr 01 j 22:32	27° \mathbb{A} 34'55	
morning max el	-12769 Apr 29 j 11:03	17° \mathbb{B} 38'33	18°05'11	direct	-12768 Apr 04 j 07:33	27° \mathbb{A} 14'26	
asc. node	-12769 May 05 j 18:27	25° \mathbb{B} 49'44			-12768 Apr 10 j 21:17	0° \mathbb{B}	
	-12769 May 08 j 07:48	0° \approx		morning max el	-12768 Apr 11 j 21:43	0° \mathbb{B} 54'43	18°24'28
morning set	-12769 May 15 j 18:18	13° \approx 15'26		asc. node	-12768 Apr 21 j 15:19	14° \mathbb{B} 41'43	
	-12769 May 25 j 01:40	0° \mathbb{H}		morning set	-12768 Apr 28 j 00:30	26° \mathbb{B} 29'09	
					-12768 Apr 29 j 20:52	0° \approx	
superior conj	-12769 May 26 j 14:09	2° \mathbb{H} 39'25	1°48'53	superior conj	-12768 May 07 j 14:24	14° \approx 28'36	1°43'34
minimum elong	-12769 May 26 j 14:15	2° \mathbb{H} 39'53	1°48'30	minimum elong	-12768 May 07 j 12:09	14° \approx 18'15	1°42'51
max. Earth dist.	-12769 Jun 02 j 18:52	14° \mathbb{H} 52'55	1.42018 AU	max. Earth dist.	-12768 May 14 j 21:12	27° \approx 25'12	1.40242 AU
evening rise	-12769 Jun 09 j 15:13	26° \mathbb{H} 00'15			-12768 May 16 j 09:20	0° \mathbb{H}	
	-12769 Jun 12 j 03:55	0° \mathbb{Y}		evening rise	-12768 May 19 j 17:09	5° \mathbb{H} 35'15	
desc. node	-12769 Jun 23 j 05:23	16° \mathbb{Y} 50'37			-12768 Jun 04 j 08:15	0° \mathbb{Y}	
	-12769 Jul 02 j 11:29	0° \mathbb{B}		desc. node	-12768 Jun 09 j 02:59	6° \mathbb{Y} 52'26	
evening max el	-12769 Jul 11 j 14:58	11° \mathbb{B} 06'59	21°50'11	evening max el	-12768 Jun 23 j 04:21	24° \mathbb{Y} 26'16	23°11'20
retrograde	-12769 Jul 20 j 15:24	16° \mathbb{B} 27'05		retrograde	-12768 Jun 30 j 18:39	0° \mathbb{B}	
evening set	-12769 Jul 25 j 00:59	14° \mathbb{B} 41'03			-12768 Jul 03 j 08:42	0° \mathbb{B} 29'20	
inferior conj	-12769 Jul 30 j 07:04	8° \mathbb{B} 30'08	-0°46'31	inferior conj	-12768 Jul 05 j 19:08	30° \mathbb{R} \mathbb{Y}	
minimum elong	-12769 Jul 30 j 08:00	8° \mathbb{B} 26'55	0°45'40	evening set	-12768 Jul 08 j 08:28	28° \mathbb{Y} 22'08	
min. Earth dist.	-12769 Jul 30 j 13:18	8° \mathbb{B} 08'36	0.67147 AU	minimum elong	-12768 Jul 13 j 13:26	22° \mathbb{Y} 07'32	-1°31'03
asc. node	-12769 Aug 01 j 19:52	5° \mathbb{B} 07'02		min. Earth dist.	-12768 Jul 13 j 15:07	22° \mathbb{Y} 01'42	1°30'10
morning rise	-12769 Aug 04 j 14:56	2° \mathbb{B} 09'53		morning rise	-12768 Jul 13 j 08:58	22° \mathbb{Y} 22'56	0.67236 AU
direct	-12769 Aug 09 j 09:36	0° \mathbb{B} 11'37		asc. node	-12768 Jul 18 j 16:37	16° \mathbb{Y} 02'25	
morning max el	-12769 Aug 19 j 12:51	6° \mathbb{B} 17'47	23°03'50	direct	-12768 Jul 23 j 03:51	14° \mathbb{Y} 11'42	
	-12769 Sep 06 j 18:09	0° \mathbb{I}		morning max el	-12768 Aug 01 j 03:42	19° \mathbb{Y} 35'27	21°41'55
desc. node	-12769 Sep 19 j 02:19	18° \mathbb{I} 55'16			-12768 Aug 09 j 16:16	0° \mathbb{B}	
morning set	-12769 Sep 22 j 15:02	24° \mathbb{I} 39'17			-12768 Aug 29 j 23:47	0° \mathbb{I}	
	-12769 Sep 25 j 19:58	0° \mathbb{E}		morning set	-12768 Sep 01 j 12:22	3° \mathbb{I} 58'15	
max. Earth dist.	-12769 Sep 27 j 16:10	3° \mathbb{E} 08'04	1.40222 AU	desc. node	-12768 Sep 04 j 23:29	9° \mathbb{I} 30'13	
				max. Earth dist.	-12768 Sep 08 j 19:40	15° \mathbb{I} 46'08	1.42058 AU
superior conj	-12769 Oct 05 j 05:41	16° \mathbb{E} 31'18	-1°24'21				
minimum elong	-12769 Oct 05 j 02:47	16° \mathbb{E} 18'07	1°23'21	superior conj	-12768 Sep 16 j 01:27	28° \mathbb{I} 00'10	-1°02'46
	-12769 Oct 12 j 10:43	0° \mathbb{Q}		minimum elong	-12768 Sep 15 j 21:29	27° \mathbb{I} 43'01	1°01'33
evening rise	-12769 Oct 14 j 19:15	4° \mathbb{Q} 29'10			-12768 Sep 17 j 05:02	0° \mathbb{E}	
asc. node	-12769 Oct 28 j 19:22	28° \mathbb{Q} 04'30		evening rise	-12768 Sep 27 j 00:46	17° \mathbb{E} 35'45	
	-12769 Oct 30 j 12:23	0° \mathbb{M}			-12768 Oct 03 j 22:42	0° \mathbb{Q}	
evening max el	-12769 Oct 30 j 23:40	0° \mathbb{M} 28'20	18°25'52	evening max el	-12768 Oct 13 j 09:27	13° \mathbb{Q} 33'01	18°08'25
retrograde	-12769 Nov 07 j 14:09	4° \mathbb{M} 14'16		asc. node	-12768 Oct 14 j 16:36	14° \mathbb{Q} 44'13	
evening set	-12769 Nov 10 j 01:01	3° \mathbb{M} 51'55		retrograde	-12768 Oct 20 j 08:08	17° \mathbb{Q} 07'28	
	-12769 Nov 16 j 13:52	30° \mathbb{R} \mathbb{Q}		evening set	-12768 Oct 22 j 20:00	16° \mathbb{Q} 40'11	
inferior conj	-12769 Nov 17 j 13:17	29° \mathbb{Q} 12'59	4°12'01	inferior conj	-12768 Oct 29 j 20:03	11° \mathbb{Q} 40'08	3°45'08
minimum elong	-12769 Nov 17 j 11:16	29° \mathbb{Q} 17'05	4°12'18	minimum elong	-12768 Oct 29 j 16:24	11° \mathbb{Q} 48'36	3°45'06
min. Earth dist.	-12769 Nov 20 j 17:43	26° \mathbb{Q} 38'56	0.59379 AU	min. Earth dist.	-12768 Nov 01 j 18:56	8° \mathbb{Q} 56'28	0.61217 AU
morning rise	-12769 Nov 24 j 19:46	23° \mathbb{Q} 53'55		morning rise	-12768 Nov 05 j 11:27	6° \mathbb{Q} 02'22	
direct	-12769 Dec 01 j 07:21	22° \mathbb{Q} 05'52		direct	-12768 Nov 12 j 11:04	3° \mathbb{Q} 43'06	
morning max el	-12769 Dec 15 j 08:02	29° \mathbb{Q} 24'21	26°35'37	morning max el	-12768 Nov 26 j 08:47	11° \mathbb{Q} 08'51	27°21'36
	-12769 Dec 15 j 22:43	0° \mathbb{M}		desc. node	-12768 Dec 02 j 00:14	17° \mathbb{Q} 16'57	
desc. node	-12769 Dec 16 j 03:41	0° \mathbb{M} 12'20			-12768 Dec 11 j 06:57	0° \mathbb{M}	
	-12768 Jan 05 j 22:53	0° \mathbb{E}		morning set	-12768 Dec 28 j 08:18	0° \mathbb{E} 40'54	
morning set	-12768 Jan 14 j 00:46	15° \mathbb{E} 51'34			-12768 Dec 28 j 00:20	0° \mathbb{E}	
	-12768 Jan 20 j 14:36	0° \mathbb{M}					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12767 Jan 03 j 14:35	13° Ω 59'37	1.32881 AU	morning set	-12767 Dec 12 j 10:03	15° Π 09'39	
				max. Earth dist.	-12767 Dec 17 j 22:51	26° Π 39'03	1.33342 AU
superior conj	-12767 Jan 04 j 12:21	15° Ω 58'02	-0°53'33				
minimum elong	-12767 Jan 04 j 14:09	16° Ω 07'51	0°53'29	superior conj	-12767 Dec 19 j 22:19	0° Ω 53'21	-1°10'46
asc. node	-12767 Jan 10 j 13:56	29° Ω 05'36		minimum elong	-12767 Dec 20 j 00:18	1° Ω 04'04	1°10'31
	-12767 Jan 11 j 00:13	0° Π			-12767 Dec 19 j 12:24	0° Ω	
evening rise	-12767 Jan 11 j 12:57	1° Π 07'01		evening rise	-12767 Dec 27 j 00:09	16° Ω 04'39	
	-12767 Jan 27 j 13:19	0° Σ		asc. node	-12767 Dec 28 j 11:19	19° Ω 07'34	
evening max el	-12767 Feb 07 j 06:39	13° Σ 03'16	25°12'49		-12766 Jan 03 j 00:33	0° Π	
retrograde	-12767 Feb 21 j 06:55	20° Σ 08'28		evening max el	-12766 Jan 20 j 00:00	23° Π 56'54	23°42'13
evening set	-12767 Feb 26 j 07:10	19° Σ 09'57			-12766 Jan 29 j 16:21	0° Σ	
desc. node	-12767 Feb 28 j 02:19	18° Σ 22'19		retrograde	-12766 Feb 02 j 11:27	0° Σ 32'37	
min. Earth dist.	-12767 Mar 03 j 20:23	16° Σ 09'02	0.57444 AU	evening set	-12766 Feb 06 j 10:48	29° Π 57'56	
inferior conj	-12767 Mar 06 j 18:28	14° Σ 08'56	-1°35'41		-12766 Feb 06 j 07:51	30° Π	
minimum elong	-12767 Mar 06 j 15:26	14° Σ 14'12	1°35'39	min. Earth dist.	-12766 Feb 13 j 13:12	26° Π 36'23	0.56098 AU
morning rise	-12767 Mar 15 j 02:57	9° Σ 51'09		desc. node	-12766 Feb 14 j 23:05	25° Π 45'01	
direct	-12767 Mar 17 j 07:40	9° Σ 36'30		inferior conj	-12766 Feb 15 j 09:50	25° Π 28'39	-0°06'46
morning max el	-12767 Mar 26 j 02:26	13° Σ 47'04	19°03'17	minimum elong	-12766 Feb 15 j 09:32	25° Π 29'07	0°07'21
	-12767 Apr 06 j 08:03	0° Σ		transit middle	-12766 Feb 15 j 09:32	25° Π 29'07	0°07'21
asc. node	-12767 Apr 08 j 12:16	4° Σ 03'31		transit begin	-12766 Feb 15 j 05:59	25° Π 34'30	
morning set	-12767 Apr 11 j 18:29	10° Σ 22'20		transit end	-12766 Feb 15 j 13:04	25° Π 23'43	
				morning rise	-12766 Feb 24 j 10:35	21° Π 23'00	
superior conj	-12767 Apr 20 j 10:08	27° Σ 18'34	1°29'37	direct	-12766 Feb 26 j 14:16	21° Π 11'05	
minimum elong	-12767 Apr 20 j 07:04	27° Σ 03'52	1°28'35	morning max el	-12766 Mar 08 j 22:06	26° Π 05'10	20°01'54
	-12767 Apr 21 j 20:00	0° \approx			-12766 Mar 12 j 11:16	0° Σ	
max. Earth dist.	-12767 Apr 26 j 21:07	9° \approx 21'14	1.38375 AU	asc. node	-12766 Mar 26 j 09:17	23° Σ 47'15	
evening rise	-12767 Apr 30 j 22:43	16° \approx 34'11		morning set	-12766 Mar 26 j 20:46	24° Σ 45'03	
	-12767 May 08 j 23:25	0° H			-12766 Mar 29 j 10:50	0° Σ	
desc. node	-12767 May 27 j 00:31	26° H 29'56					
	-12767 May 29 j 18:14	0° Υ		superior conj	-12766 Apr 03 j 20:12	10° Σ 54'49	1°10'22
evening max el	-12767 Jun 05 j 14:30	7° Υ 46'17	24°33'25	minimum elong	-12766 Apr 03 j 17:22	10° Σ 40'42	1°09'12
retrograde	-12767 Jun 16 j 22:26	14° Υ 28'20		max. Earth dist.	-12766 Apr 09 j 00:44	21° Σ 03'18	1.36636 AU
evening set	-12767 Jun 22 j 12:51	12° Υ 01'49		evening rise	-12766 Apr 13 j 04:15	28° Σ 47'11	
min. Earth dist.	-12767 Jun 27 j 03:07	6° Υ 39'34	0.67007 AU		-12766 Apr 13 j 20:17	0° \approx	
inferior conj	-12767 Jun 27 j 19:02	5° Υ 45'49	-2°10'14		-12766 May 02 j 05:48	0° H	
minimum elong	-12767 Jun 27 j 21:10	5° Υ 38'39	2°09'33	desc. node	-12766 May 13 j 21:59	15° H 33'18	
	-12767 Jul 02 j 18:26	30° H		evening max el	-12766 May 19 j 00:16	21° H 08'10	25°48'04
morning rise	-12767 Jul 03 j 05:25	29° H 38'41		retrograde	-12766 May 31 j 07:49	28° H 19'23	
asc. node	-12767 Jul 05 j 13:22	28° H 27'24		evening set	-12766 Jun 06 j 12:06	25° H 38'32	
direct	-12767 Jul 07 j 00:46	28° H 15'05		min. Earth dist.	-12766 Jun 10 j 17:24	20° H 55'32	0.66419 AU
	-12767 Jul 11 j 15:37	0° Υ		inferior conj	-12766 Jun 11 j 22:01	19° H 23'12	-2°42'45
morning max el	-12767 Jul 15 j 00:20	2° Υ 57'50	20°28'10	minimum elong	-12766 Jun 12 j 00:11	19° H 16'11	2°42'26
	-12767 Aug 03 j 13:52	0° B		morning rise	-12766 Jun 17 j 12:19	13° H 27'34	
morning set	-12767 Aug 11 j 17:11	12° B 31'44		direct	-12766 Jun 20 j 22:44	12° H 19'10	
max. Earth dist.	-12767 Aug 22 j 05:24	29° B 08'10	1.43510 AU	asc. node	-12766 Jun 22 j 10:05	12° H 31'10	
desc. node	-12767 Aug 22 j 20:44	0° Π 09'54		morning max el	-12766 Jun 28 j 03:29	16° H 27'17	19°27'10
	-12767 Aug 22 j 18:16	0° Π			-12766 Jul 08 j 08:24	0° Υ	
				morning set	-12766 Jul 22 j 00:30	21° Υ 13'45	
superior conj	-12767 Aug 27 j 18:43	8° Π 10'39	-0°29'05		-12766 Jul 27 j 14:20	0° B	
minimum elong	-12767 Aug 27 j 15:59	7° Π 59'25	0°27'59	max. Earth dist.	-12766 Aug 04 j 20:20	13° B 01'52	1.44380 AU
evening rise	-12767 Sep 09 j 14:05	29° Π 54'12					
	-12767 Sep 09 j 15:25	0° E		superior conj	-12766 Aug 07 j 09:29	17° B 05'05	0°13'57
evening max el	-12767 Sep 26 j 22:43	26° E 52'32	18°10'08	minimum elong	-12766 Aug 07 j 11:10	17° B 11'51	0°14'20
	-12767 Oct 01 j 08:19	0° Ω		behind sun begin	-12766 Aug 07 j 05:45	16° B 50'12	
asc. node	-12767 Oct 01 j 13:47	0° Ω 04'53		behind sun end	-12766 Aug 07 j 16:36	17° B 33'30	
retrograde	-12767 Oct 03 j 14:00	0° Ω 25'22		desc. node	-12766 Aug 09 j 18:05	20° B 51'20	
	-12767 Oct 05 j 19:56	30° R			-12766 Aug 15 j 10:02	0° Π	
evening set	-12767 Oct 06 j 05:03	29° E 50'50		evening rise	-12766 Aug 22 j 05:41	11° Π 11'18	
inferior conj	-12767 Oct 12 j 17:47	24° E 31'16	3°03'57		-12766 Sep 02 j 18:39	0° E	
minimum elong	-12767 Oct 12 j 14:00	24° E 41'09	3°03'42	evening max el	-12766 Sep 10 j 12:23	10° E 20'24	18°29'58
min. Earth dist.	-12767 Oct 15 j 05:29	21° E 55'45	0.62926 AU	retrograde	-12766 Sep 17 j 03:58	14° E 00'46	
morning rise	-12767 Oct 18 j 21:59	18° E 37'36		asc. node	-12766 Sep 18 j 10:53	13° E 51'37	
direct	-12767 Oct 25 j 22:41	16° E 00'00		evening set	-12766 Sep 20 j 00:22	13° E 16'15	
morning max el	-12767 Nov 08 j 14:59	23° E 30'21	27°33'17	inferior conj	-12766 Sep 26 j 03:09	7° E 39'55	2°15'17
	-12767 Nov 14 j 13:32	0° Ω		minimum elong	-12766 Sep 26 j 00:07	7° E 48'42	2°15'05
desc. node	-12767 Nov 18 j 20:48	5° Ω 30'12		min. Earth dist.	-12766 Sep 28 j 02:06	5° E 24'40	0.64381 AU
	-12767 Dec 04 j 10:50	0° Π		morning rise	-12766 Oct 01 j 23:13	1° E 33'26	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12766 Oct 04 j 06:41	30° RII		morning rise	-12765 Sep 15 j 11:25	14° $\text{II}44'38$	
direct	-12766 Oct 08 j 17:04	28° $\text{II}50'36$		direct	-12765 Sep 21 j 17:44	12° $\text{II}06'59$	
	-12766 Oct 13 j 11:56	0° S		morning max el	-12765 Oct 04 j 11:08	19° $\text{II}29'48$	26°22'31
morning max el	-12766 Oct 22 j 00:33	6° $\text{S}21'16$	27°11'50		-12765 Oct 13 j 13:09	0° S	
desc. node	-12766 Nov 05 j 17:28	24° $\text{S}32'25$		desc. node	-12765 Oct 23 j 14:11	14° $\text{S}09'10$	
	-12766 Nov 09 j 09:16	0° Q			-12765 Nov 02 j 09:33	0° Q	
morning set	-12766 Nov 26 j 03:13	29° $\text{Q}08'44$		morning set	-12765 Nov 09 j 08:08	12° $\text{Q}26'56$	
	-12766 Nov 26 j 13:42	0° M		max. Earth dist.	-12765 Nov 13 j 13:45	20° $\text{Q}34'02$	1.35474 AU
max. Earth dist.	-12766 Nov 30 j 23:28	8° $\text{M}51'34$	1.34200 AU				
				superior conj	-12765 Nov 18 j 05:03	29° $\text{Q}52'53$	-1°33'31
superior conj	-12766 Dec 04 j 04:39	15° $\text{M}34'08$	-1°24'27	minimum elong	-12765 Nov 18 j 06:06	29° $\text{Q}58'15$	1°33'03
minimum elong	-12766 Dec 04 j 06:25	15° $\text{M}43'27$	1°24'05		-12765 Nov 18 j 06:27	0° M	
evening rise	-12766 Dec 11 j 10:53	0° $\text{S}56'42$		evening rise	-12765 Nov 25 j 19:26	15° $\text{M}37'23$	
	-12766 Dec 11 j 00:02	0° S		asc. node	-12765 Dec 02 j 06:09	28° $\text{M}17'09$	
asc. node	-12766 Dec 15 j 08:44	8° $\text{S}53'35$			-12765 Dec 03 j 04:54	0° S	
	-12766 Dec 28 j 07:47	0° M		evening max el	-12765 Dec 14 j 21:24	16° $\text{S}10'46$	20°43'13
evening max el	-12765 Jan 01 j 19:08	4° $\text{M}52'09$	22°08'19	retrograde	-12765 Dec 25 j 20:22	21° $\text{S}19'25$	
retrograde	-12765 Jan 14 j 05:10	10° $\text{M}46'59$		evening set	-12765 Dec 28 j 14:00	21° $\text{S}01'29$	
evening set	-12765 Jan 17 j 09:28	10° $\text{M}24'39$		inferior conj	-12764 Jan 06 j 08:55	17° $\text{S}02'02$	3°06'09
inferior conj	-12765 Jan 26 j 10:46	6° $\text{M}18'29$	1°36'01	minimum elong	-12764 Jan 06 j 14:42	16° $\text{S}53'31$	3°04'34
minimum elong	-12765 Jan 26 j 14:42	6° $\text{M}12'52$	1°34'20	min. Earth dist.	-12764 Jan 07 j 17:10	16° $\text{S}14'39$	0.55734 AU
min. Earth dist.	-12765 Jan 26 j 03:41	6° $\text{M}28'37$	0.55490 AU	morning rise	-12764 Jan 15 j 14:04	12° $\text{S}41'26$	
desc. node	-12765 Feb 01 j 19:49	3° $\text{M}05'11$		direct	-12764 Jan 18 j 23:28	12° $\text{S}16'07$	
morning rise	-12765 Feb 04 j 20:25	2° $\text{M}13'07$		desc. node	-12764 Jan 19 j 16:28	12° $\text{S}17'16$	
direct	-12765 Feb 07 j 07:55	1° $\text{M}59'03$		morning max el	-12764 Feb 01 j 04:40	18° $\text{S}45'31$	22°50'57
morning max el	-12765 Feb 19 j 06:41	7° $\text{M}43'22$	21°19'14		-12764 Feb 10 j 07:19	0° M	
	-12765 Mar 06 j 10:28	0° S		morning set	-12764 Feb 23 j 15:42	24° $\text{M}26'47$	
morning set	-12765 Mar 11 j 04:34	9° $\text{S}28'49$			-12764 Feb 26 j 06:54	0° S	
asc. node	-12765 Mar 13 j 06:20	13° $\text{S}46'52$		asc. node	-12764 Feb 28 j 03:30	3° $\text{S}57'45$	
superior conj	-12765 Mar 18 j 16:32	25° $\text{S}05'35$	0°48'14	superior conj	-12764 Mar 01 j 20:06	9° $\text{S}41'43$	0°24'51
minimum elong	-12765 Mar 18 j 14:30	24° $\text{S}55'02$	0°47'04	minimum elong	-12764 Mar 01 j 19:03	9° $\text{S}36'12$	0°23'53
	-12765 Mar 21 j 02:02	0° S		max. Earth dist.	-12764 Mar 04 j 11:01	15° $\text{S}12'35$	1.34072 AU
max. Earth dist.	-12765 Mar 22 j 12:51	2° $\text{S}55'23$	1.35180 AU	evening rise	-12764 Mar 09 j 16:57	25° $\text{S}51'06$	
evening rise	-12765 Mar 27 j 03:58	11° $\text{S}57'35$			-12764 Mar 11 j 20:17	0° S	
	-12765 Apr 06 j 06:44	0° S			-12764 Mar 29 j 16:30	0° S	
	-12765 Apr 27 j 07:10	0° H		evening max el	-12764 Apr 12 j 21:23	17° $\text{S}33'13$	27°21'00
desc. node	-12765 Apr 30 j 19:25	3° $\text{H}48'15$		desc. node	-12764 Apr 16 j 16:46	20° $\text{S}55'22$	
evening max el	-12765 May 01 j 10:46	4° $\text{H}26'38$	26°46'33	retrograde	-12764 Apr 26 j 11:29	25° $\text{S}09'08$	
retrograde	-12765 May 14 j 12:19	11° $\text{H}55'26$		evening set	-12764 May 03 j 09:00	22° $\text{S}28'26$	
evening set	-12765 May 21 j 03:44	9° $\text{H}08'43$		min. Earth dist.	-12764 May 07 j 01:58	18° $\text{S}58'49$	0.64072 AU
min. Earth dist.	-12765 May 25 j 01:33	5° $\text{H}04'42$	0.65442 AU	inferior conj	-12764 May 09 j 11:18	16° $\text{S}21'14$	-3°20'19
inferior conj	-12765 May 26 j 20:15	2° $\text{H}56'09$	-3°06'54	minimum elong	-12764 May 09 j 12:05	16° $\text{S}19'04$	3°20'51
minimum elong	-12765 May 26 j 22:00	2° $\text{H}50'51$	3°07'03	morning rise	-12764 May 15 j 15:55	10° $\text{S}56'10$	
	-12765 May 29 j 09:35	30° R		direct	-12764 May 18 j 13:06	10° $\text{S}12'47$	
morning rise	-12765 Jun 01 j 16:32	27° $\text{S}14'44$		morning max el	-12764 May 25 j 00:48	13° $\text{S}39'52$	18°13'08
direct	-12765 Jun 04 j 19:39	26° $\text{S}19'43$		asc. node	-12764 May 26 j 03:32	14° $\text{S}50'54$	
asc. node	-12765 Jun 09 j 06:48	28° $\text{S}03'58$			-12764 Jun 05 j 10:39	0° H	
	-12765 Jun 11 j 11:22	0° H		morning set	-12764 Jun 12 j 06:10	11° $\text{H}31'02$	
morning max el	-12765 Jun 11 j 12:16	0° $\text{H}02'16$	18°41'38		-12764 Jun 23 j 07:45	0° Y	
	-12765 Jul 01 j 15:01	0° Y					
morning set	-12765 Jul 02 j 02:47	0° $\text{Y}47'47$		superior conj	-12764 Jun 25 j 18:08	3° $\text{Y}57'43$	1°30'04
				minimum elong	-12764 Jun 25 j 23:56	4° $\text{Y}21'14$	1°29'43
superior conj	-12765 Jul 17 j 09:54	25° $\text{Y}19'22$	0°57'24	max. Earth dist.	-12764 Jun 30 j 04:18	11° $\text{Y}04'53$	1.44036 AU
minimum elong	-12765 Jul 17 j 15:58	25° $\text{Y}43'26$	0°57'07	evening rise	-12764 Jul 12 j 05:37	0° $\text{S}03'21$	
max. Earth dist.	-12765 Jul 18 j 13:10	27° $\text{Y}07'21$	1.44557 AU		-12764 Jul 12 j 04:45	0° S	
	-12765 Jul 20 j 08:48	0° S		desc. node	-12764 Jul 13 j 13:06	2° $\text{S}05'36$	
desc. node	-12765 Jul 27 j 15:33	11° $\text{S}30'57$		greatest brilliancy	-12764 Jul 24 j 19:58	19° $\text{S}22'24$	-0.7m
evening rise	-12765 Aug 02 j 18:31	21° $\text{S}13'29$			-12764 Aug 01 j 04:54	0° II	
	-12765 Aug 08 j 07:15	0° II		evening max el	-12764 Aug 07 j 05:54	7° $\text{II}20'24$	19°59'54
evening max el	-12765 Aug 24 j 23:36	23° $\text{II}50'56$	19°06'58	retrograde	-12764 Aug 14 j 19:12	11° $\text{II}42'49$	
retrograde	-12765 Aug 31 j 22:35	27° $\text{II}47'47$		evening set	-12764 Aug 18 j 09:06	10° $\text{II}28'37$	
evening set	-12765 Sep 04 j 02:37	26° $\text{II}50'04$		asc. node	-12764 Aug 22 j 04:53	6° $\text{II}38'57$	
asc. node	-12765 Sep 05 j 07:55	25° $\text{II}57'55$		inferior conj	-12764 Aug 23 j 21:14	4° $\text{II}28'36$	0°31'21
inferior conj	-12765 Sep 09 j 21:09	21° $\text{II}00'19$	1°23'27	minimum elong	-12764 Aug 23 j 20:31	4° $\text{II}30'58$	0°31'50
minimum elong	-12765 Sep 09 j 19:14	21° $\text{II}06'18$	1°23'33	min. Earth dist.	-12764 Aug 24 j 20:25	3° $\text{II}12'04$	0.66394 AU
min. Earth dist.	-12765 Sep 11 j 07:45	19° $\text{II}12'23$	0.65537 AU		-12764 Aug 27 j 10:41	30° R	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12764 Aug 29 j 07:40	28° ♁ 07'54		inferior conj	-12763 Aug 08 j 01:14	18° ♁ 01'56	-0°18'57
direct	-12764 Sep 04 j 00:22	25° ♁ 42'33		minimum elong	-12763 Aug 08 j 01:37	18° ♁ 00'37	0°18'11
	-12764 Sep 12 j 22:13	0° ♁		min. Earth dist.	-12763 Aug 08 j 13:39	17° ♁ 19'31	0.66954 AU
morning max el	-12764 Sep 15 j 21:11	2° ♁ 44'56	25°13'00	asc. node	-12763 Aug 09 j 01:44	16° ♁ 38'28	
	-12764 Oct 06 j 17:57	0° ♁		morning rise	-12763 Aug 13 j 09:33	11° ♁ 40'24	
desc. node	-12764 Oct 09 j 11:01	4° ♁ 10'29		direct	-12763 Aug 18 j 12:11	9° ♁ 31'32	
morning set	-12764 Oct 21 j 20:06	24° ♁ 50'45		morning max el	-12763 Aug 29 j 07:11	16° ♁ 00'33	23°52'08
	-12764 Oct 24 j 16:25	0° ♁			-12763 Sep 09 j 19:04	0° ♁	
max. Earth dist.	-12764 Oct 25 j 17:51	1° ♁ 57'35	1.37145 AU	desc. node	-12763 Sep 26 j 07:58	24° ♁ 29'14	
					-12763 Sep 29 j 17:51	0° ♁	
superior conj	-12764 Oct 31 j 20:33	13° ♁ 40'22	-1°36'30	morning set	-12763 Oct 03 j 09:49	6° ♁ 06'35	
minimum elong	-12764 Oct 31 j 20:21	13° ♁ 39'21	1°35'54	max. Earth dist.	-12763 Oct 07 j 16:56	13° ♁ 31'58	1.39081 AU
evening rise	-12764 Nov 08 j 23:53	0° ♁ 00'39					
	-12764 Nov 08 j 23:45	0° ♁		superior conj	-12763 Oct 14 j 23:14	26° ♁ 45'46	-1°31'36
asc. node	-12764 Nov 18 j 03:35	17° ♁ 09'47		minimum elong	-12763 Oct 14 j 21:21	26° ♁ 36'53	1°30'46
evening max el	-12764 Nov 26 j 09:45	28° ♁ 02'52	19°34'20		-12763 Oct 16 j 16:18	0° ♁	
	-12764 Nov 28 j 18:12	0° ♁		evening rise	-12763 Oct 23 j 21:55	14° ♁ 00'38	
retrograde	-12764 Dec 05 j 19:48	2° ♁ 29'51			-12763 Nov 01 j 13:29	0° ♁	
evening set	-12764 Dec 08 j 08:56	2° ♁ 11'48		asc. node	-12763 Nov 05 j 00:56	5° ♁ 21'21	
	-12764 Dec 13 j 14:05	30° ♁		evening max el	-12763 Nov 09 j 08:10	10° ♁ 28'27	18°45'00
inferior conj	-12764 Dec 16 j 16:55	28° ♁ 03'46	4°01'19	retrograde	-12763 Nov 17 j 11:35	14° ♁ 25'24	
minimum elong	-12764 Dec 16 j 20:26	27° ♁ 58'01	4°00'56	evening set	-12763 Nov 19 j 23:00	14° ♁ 04'55	
min. Earth dist.	-12764 Dec 19 j 06:37	26° ♁ 23'50	0.56767 AU	inferior conj	-12763 Nov 27 j 18:30	9° ♁ 38'23	4°17'19
morning rise	-12764 Dec 25 j 05:50	23° ♁ 19'50		minimum elong	-12763 Nov 27 j 18:14	9° ♁ 38'53	4°17'36
direct	-12764 Dec 29 j 23:25	22° ♁ 29'02		min. Earth dist.	-12763 Nov 30 j 21:47	7° ♁ 18'54	0.58352 AU
desc. node	-12763 Jan 05 j 13:02	24° ♁ 07'36		morning rise	-12763 Dec 05 j 11:34	4° ♁ 31'46	
morning max el	-12763 Jan 12 j 20:02	29° ♁ 27'37	24°27'36	direct	-12763 Dec 11 j 11:04	3° ♁ 04'51	
	-12763 Jan 13 j 09:22	0° ♁		desc. node	-12763 Dec 23 j 09:35	8° ♁ 25'15	
	-12763 Feb 02 j 11:41	0° ♁		morning max el	-12763 Dec 25 j 11:31	10° ♁ 17'31	25°55'03
morning set	-12763 Feb 07 j 04:11	9° ♁ 31'00			-12762 Jan 09 j 13:39	0° ♁	
				morning set	-12762 Jan 22 j 16:12	24° ♁ 34'51	
superior conj	-12763 Feb 14 j 04:20	24° ♁ 34'00	0°01'24		-12762 Jan 25 j 05:23	0° ♁	
minimum elong	-12763 Feb 14 j 04:18	24° ♁ 33'50	0°00'43				
behind sun begin	-12763 Feb 13 j 23:12	24° ♁ 06'15		superior conj	-12762 Jan 29 j 15:16	9° ♁ 35'21	-0°21'16
behind sun end	-12763 Feb 14 j 09:24	25° ♁ 01'23		minimum elong	-12762 Jan 29 j 16:07	9° ♁ 40'02	0°21'38
asc. node	-12763 Feb 14 j 00:45	24° ♁ 14'41		max. Earth dist.	-12762 Jan 30 j 05:25	10° ♁ 52'33	1.32894 AU
max. Earth dist.	-12763 Feb 15 j 17:33	27° ♁ 54'20	1.33316 AU	asc. node	-12762 Jan 31 j 22:04	14° ♁ 33'16	
	-12763 Feb 16 j 17:04	0° ♁		evening rise	-12762 Feb 05 j 19:47	24° ♁ 56'56	
evening rise	-12763 Feb 21 j 15:12	10° ♁ 14'13			-12762 Feb 08 j 07:35	0° ♁	
	-12763 Mar 04 j 04:45	0° ♁			-12762 Feb 26 j 00:03	0° ♁	
	-12763 Mar 25 j 23:31	0° ♁		evening max el	-12762 Mar 08 j 11:13	12° ♁ 26'44	26°57'13
evening max el	-12763 Mar 26 j 06:17	0° ♁ 16'31	27°25'32	desc. node	-12762 Mar 21 j 11:03	19° ♁ 51'12	
desc. node	-12763 Apr 03 j 13:59	6° ♁ 27'15		retrograde	-12762 Mar 22 j 13:19	19° ♁ 54'21	
retrograde	-12763 Apr 09 j 04:19	7° ♁ 51'12		evening set	-12762 Mar 28 j 23:24	18° ♁ 03'08	
evening set	-12763 Apr 16 j 00:37	5° ♁ 29'51		min. Earth dist.	-12762 Apr 02 j 00:27	15° ♁ 11'00	0.60410 AU
min. Earth dist.	-12763 Apr 19 j 17:36	2° ♁ 25'23	0.62352 AU	inferior conj	-12762 Apr 05 j 07:26	12° ♁ 21'30	-2°59'32
	-12763 Apr 22 j 04:58	30° ♁		minimum elong	-12762 Apr 05 j 05:02	12° ♁ 26'42	3°00'00
inferior conj	-12763 Apr 22 j 16:11	29° ♁ 32'11	-3°19'30	morning rise	-12762 Apr 12 j 13:00	7° ♁ 34'00	
minimum elong	-12763 Apr 22 j 15:29	29° ♁ 33'57	3°20'12	direct	-12762 Apr 15 j 00:44	7° ♁ 09'08	
morning rise	-12763 Apr 29 j 07:48	24° ♁ 25'14		morning max el	-12762 Apr 22 j 03:17	10° ♁ 38'58	18°10'58
direct	-12763 May 02 j 00:02	23° ♁ 51'50		asc. node	-12762 Apr 29 j 21:06	21° ♁ 06'36	
morning max el	-12763 May 08 j 14:42	27° ♁ 14'19	18°02'41		-12762 May 04 j 22:48	0° ♁	
	-12763 May 11 j 01:44	0° ♁		morning set	-12762 May 08 j 06:26	6° ♁ 07'08	
asc. node	-12763 May 13 j 00:17	2° ♁ 36'05					
morning set	-12763 May 25 j 08:54	23° ♁ 20'49		superior conj	-12762 May 18 j 12:26	24° ♁ 51'52	1°47'56
	-12763 May 29 j 03:02	0° ♁		minimum elong	-12762 May 18 j 11:20	24° ♁ 46'57	1°47'25
					-12762 May 21 j 10:30	0° ♁	
superior conj	-12763 Jun 06 j 01:57	13° ♁ 45'07	1°46'28	max. Earth dist.	-12762 May 25 j 21:12	7° ♁ 36'50	1.41292 AU
minimum elong	-12763 Jun 06 j 04:08	13° ♁ 54'22	1°46'10	evening rise	-12762 May 31 j 17:15	17° ♁ 14'32	
max. Earth dist.	-12763 Jun 12 j 15:20	24° ♁ 38'36	1.42895 AU		-12762 Jun 08 j 19:40	0° ♁	
	-12763 Jun 15 j 22:50	0° ♁		desc. node	-12762 Jun 17 j 08:17	12° ♁ 43'26	
evening rise	-12763 Jun 21 j 05:29	8° ♁ 21'37			-12762 Jun 30 j 04:55	0° ♁	
desc. node	-12763 Jun 30 j 10:41	22° ♁ 31'26		evening max el	-12762 Jul 03 j 22:23	4° ♁ 07'28	22°24'15
	-12763 Jul 05 j 11:08	0° ♁		retrograde	-12762 Jul 13 j 10:18	9° ♁ 45'12	
evening max el	-12763 Jul 21 j 05:36	20° ♁ 46'19	21°06'51	evening set	-12762 Jul 18 j 01:51	7° ♁ 50'08	
retrograde	-12763 Jul 29 j 15:38	25° ♁ 43'04		inferior conj	-12762 Jul 23 j 07:12	1° ♁ 37'38	-1°05'59
evening set	-12763 Aug 02 j 17:31	24° ♁ 09'22		minimum elong	-12762 Jul 23 j 08:29	1° ♁ 33'11	1°05'05

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12762 Jul 23 j 08:58	1° U 31'31	0.67222 AU	inferior conj	-12761 Jul 07 j 13:26	15° Y 15'17	-1°48'24
	-12762 Jul 24 j 11:38	30° R Y		minimum elong	-12761 Jul 07 j 15:21	15° Y 08'43	1°47'35
asc. node	-12762 Jul 26 j 22:31	26° Y 56'54		morning rise	-12761 Jul 12 j 22:25	9° Y 03'15	
morning rise	-12762 Jul 28 j 15:02	25° Y 19'10		asc. node	-12761 Jul 13 j 19:15	8° Y 27'24	
direct	-12762 Aug 02 j 04:19	23° Y 28'25		direct	-12761 Jul 16 j 23:44	7° Y 30'18	
morning max el	-12762 Aug 11 j 19:27	29° Y 16'10	22°28'26	morning max el	-12761 Jul 25 j 12:39	12° Y 35'42	21°09'19
	-12762 Aug 12 j 12:14	0° U			-12761 Aug 07 j 21:41	0° U	
	-12762 Sep 03 j 14:29	0° II		morning set	-12761 Aug 24 j 09:51	24° U 59'14	
desc. node	-12762 Sep 13 j 05:02	14° II 59'11			-12761 Aug 27 j 14:10	0° II	
morning set	-12762 Sep 13 j 21:24	16° II 05'12		desc. node	-12761 Aug 31 j 02:13	5° II 36'17	
max. Earth dist.	-12762 Sep 19 j 17:55	25° II 44'46	1.41038 AU	max. Earth dist.	-12761 Sep 02 j 00:31	8° II 44'04	1.42739 AU
	-12762 Sep 22 j 05:57	0° U					
superior conj	-12762 Sep 27 j 07:55	8° U 53'48	-1°16'41	superior conj	-12761 Sep 08 j 16:49	19° II 49'42	-0°49'56
minimum elong	-12762 Sep 27 j 04:24	8° U 38'08	1°15'34	minimum elong	-12761 Sep 08 j 12:59	19° II 33'29	0°48'40
evening rise	-12762 Oct 07 j 10:30	27° U 28'56			-12761 Sep 14 j 14:33	0° U	
	-12762 Oct 08 j 18:51	0° U		evening rise	-12761 Sep 20 j 09:43	10° U 16'22	
asc. node	-12762 Oct 22 j 22:14	22° U 38'33			-12761 Oct 01 j 23:11	0° U	
evening max el	-12762 Oct 23 j 14:32	23° U 20'23	18°16'00	evening max el	-12761 Oct 07 j 02:04	6° U 31'21	18°06'48
retrograde	-12762 Oct 30 j 21:00	26° U 59'58		asc. node	-12761 Oct 09 j 19:27	8° U 46'14	
evening set	-12762 Nov 02 j 08:11	26° U 35'37		retrograde	-12761 Oct 13 j 20:43	10° U 04'20	
inferior conj	-12762 Nov 09 j 15:08	21° U 47'18	4°02'53	evening set	-12761 Oct 16 j 09:37	9° U 34'18	
minimum elong	-12762 Nov 09 j 12:13	21° U 53'35	4°03'03	inferior conj	-12761 Oct 23 j 04:41	4° U 25'19	3°28'57
min. Earth dist.	-12762 Nov 12 j 18:04	19° U 07'07	0.60173 AU	minimum elong	-12761 Oct 23 j 00:50	4° U 34'45	3°28'48
morning rise	-12762 Nov 16 j 14:44	16° U 20'11		min. Earth dist.	-12761 Oct 25 j 23:04	1° U 43'25	0.61968 AU
direct	-12762 Nov 23 j 09:01	14° U 17'49			-12761 Oct 27 j 21:19	30° R U	
morning max el	-12762 Dec 07 j 08:26	21° U 38'39	26°59'11	morning rise	-12761 Oct 29 j 14:52	28° U 40'12	
desc. node	-12762 Dec 10 j 06:06	24° U 37'34		direct	-12761 Nov 05 j 15:53	26° U 11'47	
	-12762 Dec 14 j 18:27	0° U			-12761 Nov 15 j 05:01	0° U	
	-12761 Jan 02 j 08:09	0° U		morning max el	-12761 Nov 19 j 11:55	3° U 39'48	27°30'52
morning set	-12761 Jan 07 j 01:56	9° U 31'21		desc. node	-12761 Nov 27 j 02:40	12° U 13'50	
					-12761 Dec 09 j 05:13	0° U	
superior conj	-12761 Jan 14 j 03:09	24° U 39'15	-0°42'23	morning set	-12761 Dec 22 j 07:20	24° U 12'56	
minimum elong	-12761 Jan 14 j 04:41	24° U 47'40	0°42'27		-12761 Dec 25 j 02:14	0° U	
max. Earth dist.	-12761 Jan 13 j 18:55	23° U 54'16	1.32793 AU	max. Earth dist.	-12761 Dec 28 j 06:14	6° U 45'48	1.33033 AU
	-12761 Jan 16 j 13:55	0° U					
asc. node	-12761 Jan 18 j 19:26	4° U 49'12		superior conj	-12761 Dec 29 j 14:19	9° U 39'32	-1°01'15
evening rise	-12761 Jan 21 j 04:23	9° U 50'50		minimum elong	-12761 Dec 29 j 16:15	9° U 50'01	1°01'05
	-12761 Jan 31 j 17:10	0° U		evening rise	-12760 Jan 05 j 15:08	24° U 48'50	
evening max el	-12761 Feb 18 j 10:30	23° U 59'31	25°57'58	asc. node	-12760 Jan 05 j 16:50	24° U 57'44	
	-12761 Feb 26 j 21:53	0° U			-12760 Jan 08 j 03:24	0° U	
retrograde	-12761 Mar 04 j 12:47	1° U 15'11			-12760 Jan 26 j 12:31	0° U	
desc. node	-12761 Mar 08 j 08:00	0° U 39'36		evening max el	-12760 Jan 31 j 04:52	5° U 01'39	24°35'24
evening set	-12761 Mar 10 j 03:34	29° U 58'10		retrograde	-12760 Feb 14 j 01:01	11° U 56'31	
	-12761 Mar 10 j 01:55	30° R U		evening set	-12760 Feb 18 j 14:34	11° U 09'19	
min. Earth dist.	-12761 Mar 14 j 23:53	27° U 04'26	0.58458 AU	desc. node	-12760 Feb 23 j 04:51	8° U 58'34	
inferior conj	-12761 Mar 18 j 05:27	24° U 40'31	-2°14'35	min. Earth dist.	-12760 Feb 24 j 18:24	8° U 01'09	0.56794 AU
minimum elong	-12761 Mar 18 j 02:04	24° U 46'50	2°14'39	inferior conj	-12760 Feb 27 j 07:47	6° U 21'49	-1°00'51
morning rise	-12761 Mar 26 j 03:42	20° U 12'48		minimum elong	-12760 Feb 27 j 05:34	6° U 25'25	1°00'57
direct	-12761 Mar 28 j 10:58	19° U 54'58		morning rise	-12760 Mar 06 j 23:42	2° U 10'45	
morning max el	-12761 Apr 05 j 11:45	23° U 45'56	18°38'35	direct	-12760 Mar 09 j 03:19	1° U 57'45	
	-12761 Apr 10 j 14:46	0° U		morning max el	-12760 Mar 18 j 13:03	6° U 25'02	19°25'55
asc. node	-12761 Apr 16 j 17:59	10° U 12'13		asc. node	-12760 Apr 02 j 14:57	29° U 43'55	
morning set	-12761 Apr 21 j 18:09	19° U 39'13			-12760 Apr 02 j 18:15	0° U	
	-12761 Apr 27 j 02:59	0° U		morning set	-12760 Apr 04 j 16:02	3° U 45'54	
superior conj	-12761 Apr 30 j 21:42	7° U 08'59	1°38'28				
minimum elong	-12761 Apr 30 j 18:56	6° U 56'05	1°37'37	superior conj	-12760 Apr 13 j 00:08	20° U 20'33	1°21'56
max. Earth dist.	-12761 May 07 j 22:29	19° U 54'20	1.39445 AU	minimum elong	-12760 Apr 12 j 21:05	20° U 05'37	1°20'50
evening rise	-12761 May 12 j 07:00	27° U 25'07			-12760 Apr 18 j 01:26	0° U	
	-12761 May 13 j 19:52	0° U		max. Earth dist.	-12760 Apr 18 j 23:02	1° U 40'21	1.37602 AU
	-12761 Jun 02 j 08:47	0° Y		evening rise	-12760 Apr 22 j 23:26	8° U 57'05	
desc. node	-12761 Jun 04 j 05:51	2° Y 35'54			-12760 May 05 j 15:12	0° U	
evening max el	-12761 Jun 16 j 09:59	17° Y 26'31	23°46'35	desc. node	-12760 May 21 j 03:22	22° U 00'14	
retrograde	-12761 Jun 27 j 02:05	23° Y 46'44			-12760 May 28 j 01:12	0° Y	
evening set	-12761 Jul 02 j 08:15	21° Y 30'39		evening max el	-12760 May 28 j 19:28	0° Y 46'25	25°06'32
min. Earth dist.	-12761 Jul 07 j 04:09	15° Y 47'06	0.67182 AU	retrograde	-12760 Jun 09 j 14:11	7° Y 42'56	
				evening set	-12760 Jun 15 j 10:43	5° Y 09'14	
					-12760 Jun 19 j 22:00	30° R U	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12760 Jun 19 j 20:54	0°Υ03'39	0.66801 AU	min. Earth dist.	-12759 Jun 03 j 08:58	14°✠17'20	0.66050 AU
inferior conj	-12760 Jun 20 j 18:09	28°✠53'03	-2°24'57	inferior conj	-12759 Jun 04 j 19:24	12°✠29'02	-2°54'10
minimum elong	-12760 Jun 20 j 20:20	28°✠45'45	2°24'25	minimum elong	-12759 Jun 04 j 21:28	12°✠22'34	2°54'03
morning rise	-12760 Jun 26 j 05:59	22°✠50'35		morning rise	-12759 Jun 10 j 11:59	6°✠38'57	
direct	-12760 Jun 29 j 21:13	21°✠33'54		direct	-12759 Jun 13 j 19:00	5°✠36'34	
asc. node	-12760 Jun 29 j 15:58	21°✠34'10		asc. node	-12759 Jun 16 j 12:41	6°✠17'10	
morning max el	-12760 Jul 07 j 12:11	26°✠01'12	20°00'28	morning max el	-12759 Jun 20 j 17:54	9°✠33'03	19°05'41
	-12760 Jul 10 j 22:59	0°Υ			-12759 Jul 05 j 06:23	0°Υ	
	-12760 Jul 31 j 07:22	0°♂		morning set	-12759 Jul 13 j 03:01	12°Υ28'45	
morning set	-12760 Aug 02 j 13:11	3°♂29'12			-12759 Jul 24 j 04:14	0°♂	
max. Earth dist.	-12760 Aug 14 j 12:29	22°♂20'17	1.43953 AU	max. Earth dist.	-12759 Jul 28 j 04:00	6°♂18'50	1.44538 AU
desc. node	-12760 Aug 16 j 23:32	26°♂16'58					
				superior conj	-12759 Jul 29 j 04:32	7°♂55'59	0°33'03
superior conj	-12760 Aug 18 j 22:10	29°♂25'15	-0°11'34	minimum elong	-12759 Jul 29 j 08:26	8°♂11'27	0°33'06
minimum elong	-12760 Aug 18 j 20:59	29°♂20'30	0°10'43	desc. node	-12759 Aug 03 j 20:56	16°♂57'55	
behind sun begin	-12760 Aug 18 j 12:52	28°♂47'38			-12759 Aug 11 j 23:39	0°Π	
behind sun end	-12760 Aug 19 j 05:07	29°♂53'25		evening rise	-12759 Aug 13 j 19:07	2°Π56'07	
	-12760 Aug 19 j 06:44	0°Π			-12759 Aug 31 j 06:27	0°☾	
evening rise	-12760 Sep 01 j 14:31	22°Π10'21		evening max el	-12759 Sep 03 j 04:48	3°☾24'27	18°43'47
	-12760 Sep 06 j 05:03	0°☾		retrograde	-12759 Sep 09 j 22:43	7°☾10'38	
evening max el	-12760 Sep 19 j 15:49	19°☾54'50	18°16'27	evening set	-12759 Sep 12 j 22:05	6°☾21'00	
asc. node	-12760 Sep 25 j 16:35	23°☾28'22		asc. node	-12759 Sep 12 j 13:40	6°☾31'57	
retrograde	-12760 Sep 26 j 06:32	23°☾30'09		inferior conj	-12759 Sep 18 j 21:09	0°☾38'54	1°53'28
evening set	-12760 Sep 28 j 23:28	22°☾51'54		minimum elong	-12759 Sep 18 j 18:34	0°☾46'39	1°53'23
inferior conj	-12760 Oct 05 j 07:47	17°☾24'56	2°43'58		-12759 Sep 19 j 10:08	30°♁Π	
minimum elong	-12760 Oct 05 j 04:14	17°☾34'38	2°43'41	min. Earth dist.	-12759 Sep 20 j 14:52	28°Π34'21	0.64908 AU
min. Earth dist.	-12760 Oct 07 j 14:11	14°☾56'35	0.63571 AU	morning rise	-12759 Sep 24 j 14:29	24°Π28'05	
morning rise	-12760 Oct 11 j 08:09	11°☾25'08		direct	-12759 Oct 01 j 03:59	21°Π46'00	
direct	-12760 Oct 18 j 06:37	8°☾43'37		morning max el	-12759 Oct 14 j 06:05	29°Π14'58	26°53'51
morning max el	-12760 Oct 31 j 20:03	16°☾15'54	27°28'02		-12759 Oct 15 j 00:05	0°☾	
	-12760 Nov 12 j 08:48	0°♁		desc. node	-12759 Oct 30 j 19:58	20°☾08'28	
desc. node	-12760 Nov 12 j 23:17	0°♁50'11			-12759 Nov 06 j 04:31	0°♁	
	-12760 Nov 30 j 19:54	0°♁		morning set	-12759 Nov 18 j 18:21	22°♁14'16	
morning set	-12760 Dec 05 j 05:54	8°♁31'10			-12759 Nov 22 j 17:15	0°♁	
max. Earth dist.	-12760 Dec 10 j 11:38	19°♁15'02	1.33649 AU	max. Earth dist.	-12759 Nov 23 j 07:44	1°♁12'53	1.34684 AU
superior conj	-12760 Dec 12 j 23:03	24°♁30'10	-1°17'05	superior conj	-12759 Nov 27 j 03:11	9°♁02'43	-1°28'57
minimum elong	-12760 Dec 13 j 01:00	24°♁40'36	1°16'46	minimum elong	-12759 Nov 27 j 04:43	9°♁10'41	1°28'33
	-12760 Dec 15 j 12:33	0°♁		evening rise	-12759 Dec 04 j 12:21	24°♁32'52	
evening rise	-12760 Dec 20 j 02:22	9°♁45'11			-12759 Dec 07 j 04:23	0°♁	
asc. node	-12760 Dec 22 j 14:15	14°♁54'04		asc. node	-12759 Dec 09 j 11:41	4°♁31'25	
	-12760 Dec 30 j 17:56	0°♁		evening max el	-12759 Dec 24 j 20:07	26°♁57'37	21°30'38
evening max el	-12759 Jan 11 j 22:20	15°♁53'49	23°01'57		-12759 Dec 28 j 16:47	0°♁	
retrograde	-12759 Jan 25 j 01:03	22°♁13'55		retrograde	-12758 Jan 05 j 16:01	2°♁32'16	
evening set	-12759 Jan 28 j 14:55	21°♁45'55		evening set	-12758 Jan 08 j 14:45	2°♁12'38	
min. Earth dist.	-12759 Feb 05 j 10:26	18°♁11'22	0.55735 AU		-12758 Jan 14 j 08:10	30°♁♁	
inferior conj	-12759 Feb 06 j 16:07	17°♁27'47	0°36'29	inferior conj	-12758 Jan 17 j 14:15	28°♁11'56	2°17'24
minimum elong	-12759 Feb 06 j 17:37	17°♁25'34	0°35'24	minimum elong	-12758 Jan 17 j 19:28	28°♁04'28	2°15'33
desc. node	-12759 Feb 09 j 01:36	16°♁05'11		min. Earth dist.	-12758 Jan 18 j 00:39	27°♁57'03	0.55491 AU
morning rise	-12759 Feb 15 j 21:58	13°♁23'57		morning rise	-12758 Jan 26 j 23:41	24°♁01'21	
direct	-12759 Feb 18 j 03:10	13°♁12'01		desc. node	-12758 Jan 26 j 22:17	24°♁02'04	
morning max el	-12759 Mar 01 j 04:21	18°♁27'44	20°32'37	direct	-12758 Jan 29 j 18:52	23°♁43'50	
	-12759 Mar 10 j 01:48	0°♁		morning max el	-12758 Feb 11 j 08:06	29°♁49'12	21°56'46
morning set	-12759 Mar 19 j 21:00	18°♁18'38			-12758 Feb 11 j 12:36	0°♁	
asc. node	-12759 Mar 20 j 12:01	19°♁35'15			-12758 Mar 02 j 17:38	0°♁	
	-12759 Mar 25 j 13:27	0°♁		morning set	-12758 Mar 04 j 06:29	3°♁09'14	
				asc. node	-12758 Mar 07 j 09:09	9°♁40'15	
superior conj	-12759 Mar 27 j 15:05	4°♁13'14	1°01'14				
minimum elong	-12759 Mar 27 j 12:33	4°♁00'22	1°00'02	superior conj	-12758 Mar 11 j 14:49	18°♁35'40	0°38'24
max. Earth dist.	-12759 Apr 01 j 05:28	13°♁22'31	1.35977 AU	minimum elong	-12758 Mar 11 j 13:12	18°♁27'09	0°37'18
evening rise	-12759 Apr 05 j 13:28	21°♁37'06		max. Earth dist.	-12758 Mar 14 j 21:58	25°♁24'40	1.34673 AU
	-12759 Apr 10 j 04:51	0°♁			-12758 Mar 17 j 04:37	0°♁	
	-12759 Apr 29 j 10:05	0°♁		evening rise	-12758 Mar 19 j 19:26	5°♁07'50	
desc. node	-12759 May 08 j 00:49	10°♁45'03			-12758 Apr 02 j 22:50	0°♁	
evening max el	-12759 May 11 j 05:28	14°♁07'30	26°15'24	evening max el	-12758 Apr 23 j 16:27	27°♁23'14	27°04'36
retrograde	-12759 May 23 j 21:44	21°♁28'15		desc. node	-12758 Apr 24 j 22:12	28°♁34'09	
evening set	-12759 May 30 j 07:04	18°♁43'45			-12758 Apr 26 j 13:04	0°♁	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12758 May 07 j 00:03	4° H 55'42		evening max el	-12757 Apr 06 j 02:46	10° \approx 21'42	27°26'51
evening set	-12758 May 13 j 18:41	2° H 10'22		desc. node	-12757 Apr 11 j 19:29	15° \approx 04'41	
	-12758 May 16 j 02:13	30° R \approx		retrograde	-12757 Apr 19 j 20:21	17° \approx 56'58	
min. Earth dist.	-12758 May 17 j 14:10	28° \approx 21'29	0.64906 AU	evening set	-12757 Apr 26 j 18:31	15° \approx 23'00	
inferior conj	-12758 May 19 j 14:57	25° \approx 59'42	-3°14'08	min. Earth dist.	-12757 Apr 30 j 10:48	12° \approx 05'36	0.63382 AU
minimum elong	-12758 May 19 j 16:22	25° \approx 55'35	3°14'27	inferior conj	-12757 May 03 j 02:05	9° \approx 19'36	-3°22'00
morning rise	-12758 May 25 j 14:27	20° \approx 24'41		minimum elong	-12757 May 03 j 02:17	9° \approx 19'04	3°22'38
direct	-12758 May 28 j 14:56	19° \approx 34'42		morning rise	-12757 May 09 j 11:01	4° \approx 02'00	
asc. node	-12758 Jun 03 j 09:24	22° \approx 23'29		direct	-12757 May 12 j 06:08	3° \approx 22'53	
morning max el	-12758 Jun 04 j 04:29	23° \approx 09'27	18°27'16	morning max el	-12757 May 18 j 17:53	6° \approx 46'16	18°06'26
	-12758 Jun 09 j 15:14	0° H		asc. node	-12757 May 21 j 06:08	9° \approx 36'48	
morning set	-12758 Jun 23 j 15:56	22° H 32'19			-12757 Jun 03 j 01:44	0° H	
	-12758 Jun 28 j 04:44	0° Y		morning set	-12757 Jun 05 j 05:44	3° H 45'05	
superior conj	-12758 Jul 08 j 05:36	16° Y 13'02	1°13'06	superior conj	-12757 Jun 17 j 22:39	25° H 16'58	1°39'05
minimum elong	-12758 Jul 08 j 12:12	16° Y 39'22	1°12'43	minimum elong	-12757 Jun 18 j 03:04	25° H 35'12	1°38'45
max. Earth dist.	-12758 Jul 10 j 20:39	20° Y 23'56	1.44421 AU		-12757 Jun 20 j 19:46	0° Y	
	-12758 Jul 16 j 22:25	0° B		max. Earth dist.	-12757 Jun 23 j 10:59	4° Y 15'43	1.43623 AU
desc. node	-12758 Jul 21 j 18:27	7° B 36'11		evening rise	-12757 Jul 03 j 23:58	20° Y 55'05	
evening rise	-12758 Jul 24 j 20:14	12° B 25'46		desc. node	-12757 Jul 08 j 16:01	28° Y 07'40	
greatest brilliancy	-12758 Aug 03 j 18:20	27° B 54'03	-0.8m		-12757 Jul 09 j 21:21	0° B	
	-12758 Aug 05 j 03:11	0° II			-12757 Jul 31 j 08:48	0° II	
evening max el	-12758 Aug 17 j 14:19	16° II 55'40	19°27'41	evening max el	-12757 Jul 31 j 17:56	0° II 23'40	20°26'48
retrograde	-12758 Aug 24 j 18:23	21° II 01'48		retrograde	-12757 Aug 08 j 15:08	4° II 59'29	
evening set	-12758 Aug 28 j 02:26	19° II 57'22		evening set	-12757 Aug 12 j 10:00	3° II 37'04	
asc. node	-12758 Aug 30 j 10:39	17° II 58'48			-12757 Aug 15 j 23:14	30° R B	
inferior conj	-12758 Sep 02 j 18:02	14° II 03'02	1°01'14	asc. node	-12757 Aug 17 j 07:32	28° B 15'08	
minimum elong	-12758 Sep 02 j 16:37	14° II 07'32	1°01'29	inferior conj	-12757 Aug 17 j 19:59	27° B 33'24	0°09'41
min. Earth dist.	-12758 Sep 03 j 23:39	12° II 28'11	0.65943 AU	minimum elong	-12757 Aug 17 j 19:46	27° B 34'10	0°10'17
morning rise	-12758 Sep 08 j 06:28	7° II 45'00		transit middle	-12757 Aug 17 j 19:46	27° B 34'10	0°10'17
direct	-12758 Sep 14 j 07:16	5° II 11'53		transit begin	-12757 Aug 17 j 17:38	27° B 41'21	
morning max el	-12758 Sep 26 j 16:19	12° II 26'48	25°54'54	transit end	-12757 Aug 17 j 21:54	27° B 27'00	
	-12758 Oct 10 j 22:45	0° B		min. Earth dist.	-12757 Aug 18 j 14:25	26° B 31'28	0.66672 AU
desc. node	-12758 Oct 17 j 16:46	9° B 56'55		morning rise	-12757 Aug 23 j 05:21	21° B 12'02	
	-12758 Oct 29 j 19:47	0° B		direct	-12757 Aug 28 j 15:58	18° B 53'40	
morning set	-12758 Nov 01 j 16:37	5° B 10'30		morning max el	-12757 Sep 09 j 02:16	25° B 42'43	24°39'29
max. Earth dist.	-12758 Nov 05 j 17:23	12° B 44'36	1.36147 AU		-12757 Sep 13 j 00:37	0° II	
superior conj	-12758 Nov 11 j 00:12	23° B 09'18	-1°35'38	desc. node	-12757 Oct 04 j 13:40	0° B 06'27	
minimum elong	-12758 Nov 11 j 00:47	23° B 12'14	1°35'07		-12757 Oct 04 j 12:02	0° B	
	-12758 Nov 14 j 08:51	0° B		morning set	-12757 Oct 14 j 19:41	17° B 06'24	
evening rise	-12758 Nov 18 j 19:23	9° B 06'44		max. Earth dist.	-12757 Oct 18 j 18:54	24° B 10'12	1.37954 AU
asc. node	-12758 Nov 26 j 09:06	23° B 42'39			-12757 Oct 21 j 22:43	0° B	
	-12758 Nov 30 j 05:07	0° B		superior conj	-12757 Oct 25 j 10:44	6° B 39'56	-1°35'31
evening max el	-12758 Dec 07 j 02:28	8° B 29'24	20°11'37	minimum elong	-12757 Oct 25 j 09:51	6° B 35'40	1°34'50
retrograde	-12758 Dec 17 j 08:58	13° B 18'53		evening rise	-12757 Nov 02 j 21:25	23° B 20'51	
evening set	-12758 Dec 20 j 00:30	13° B 01'06			-12757 Nov 06 j 06:56	0° B	
inferior conj	-12758 Dec 28 j 15:04	8° B 59'35	3°34'30	asc. node	-12757 Nov 13 j 06:28	12° B 19'00	
minimum elong	-12758 Dec 28 j 20:19	8° B 51'35	3°33'24	evening max el	-12757 Nov 19 j 19:06	20° B 35'29	19°10'47
min. Earth dist.	-12758 Dec 30 j 13:35	7° B 48'58	0.56094 AU	retrograde	-12757 Nov 28 j 15:10	24° B 48'34	
morning rise	-12757 Jan 06 j 14:24	4° B 29'50		evening set	-12757 Dec 01 j 03:18	24° B 29'42	
direct	-12757 Jan 10 j 13:10	3° B 55'25		inferior conj	-12757 Dec 09 j 05:58	20° B 14'10	4°12'34
desc. node	-12757 Jan 13 j 18:54	4° B 19'19		minimum elong	-12757 Dec 09 j 07:52	20° B 10'53	4°12'36
morning max el	-12757 Jan 24 j 02:18	10° B 38'37	23°32'14	min. Earth dist.	-12757 Dec 12 j 03:11	18° B 15'37	0.57388 AU
	-12757 Feb 07 j 08:40	0° B		morning rise	-12757 Dec 17 j 10:25	15° B 20'20	
morning set	-12757 Feb 16 j 18:24	18° B 10'33		direct	-12757 Dec 22 j 17:29	14° B 15'11	
asc. node	-12757 Feb 22 j 06:21	29° B 54'06		desc. node	-12757 Dec 31 j 15:28	17° B 15'36	
	-12757 Feb 22 j 07:27	0° B		morning max el	-12756 Jan 05 j 16:58	21° B 20'50	25°07'02
superior conj	-12757 Feb 23 j 20:35	3° B 19'08	0°14'51		-12756 Jan 13 j 05:34	0° B	
minimum elong	-12757 Feb 23 j 19:59	3° B 15'54	0°14'00		-12756 Jan 30 j 17:13	0° B	
behind sun begin	-12757 Feb 23 j 17:34	3° B 02'58		morning set	-12756 Feb 01 j 06:56	3° B 15'59	
behind sun end	-12757 Feb 23 j 22:24	3° B 28'50		superior conj	-12756 Feb 08 j 06:12	18° B 16'26	-0°08'23
max. Earth dist.	-12757 Feb 26 j 00:17	7° B 54'02	1.33714 AU	minimum elong	-12756 Feb 08 j 06:34	18° B 18'26	0°08'55
evening rise	-12757 Mar 03 j 12:44	19° B 15'02		behind sun begin	-12756 Feb 08 j 02:22	17° B 55'37	
	-12757 Mar 09 j 03:18	0° B		behind sun end	-12756 Feb 08 j 10:46	18° B 41'14	
	-12757 Mar 28 j 03:08	0° \approx		asc. node	-12756 Feb 09 j 03:38	20° B 12'35	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12756 Feb 09 j 09:36	20° \mathbb{M} 44'54	1.33091 AU	minimum elong	-12755 Jan 22 j 18:55	3° \mathbb{M} 26'21	0°30'41
	-12756 Feb 13 j 17:51	0° \mathbb{A}		max. Earth dist.	-12755 Jan 22 j 22:25	3° \mathbb{M} 45'29	1.32801 AU
evening rise	-12756 Feb 15 j 13:58	3° \mathbb{A} 47'43		asc. node	-12755 Jan 26 j 00:57	10° \mathbb{M} 30'45	
	-12756 Feb 29 j 22:26	0° \mathbb{B}		evening rise	-12755 Jan 29 j 20:29	18° \mathbb{M} 36'03	
evening max el	-12756 Mar 18 j 10:03	22° \mathbb{B} 51'43	27°17'28		-12755 Feb 04 j 14:03	0° \mathbb{A}	
desc. node	-12756 Mar 28 j 16:36	29° \mathbb{B} 47'08			-12755 Feb 24 j 01:16	0° \mathbb{B}	
	-12756 Mar 29 j 10:03	0° \mathbb{A}		evening max el	-12755 Feb 28 j 12:27	4° \mathbb{B} 45'28	26°35'31
retrograde	-12756 Apr 01 j 10:01	0° \mathbb{A} 24'18		retrograde	-12755 Mar 14 j 15:35	12° \mathbb{B} 09'46	
	-12756 Apr 04 j 07:59	30° \mathbb{R} \mathbb{B}		desc. node	-12755 Mar 15 j 13:37	12° \mathbb{B} 07'35	
evening set	-12756 Apr 08 j 03:22	28° \mathbb{B} 14'20		evening set	-12755 Mar 20 j 18:20	10° \mathbb{B} 32'58	
min. Earth dist.	-12756 Apr 11 j 22:24	25° \mathbb{B} 17'13	0.61545 AU	min. Earth dist.	-12755 Mar 25 j 01:54	7° \mathbb{B} 41'46	0.59560 AU
inferior conj	-12756 Apr 15 j 01:36	22° \mathbb{B} 22'42	-3°13'44	inferior conj	-12755 Mar 28 j 09:54	5° \mathbb{B} 00'09	-2°43'52
minimum elong	-12756 Apr 15 j 00:10	22° \mathbb{B} 26'04	3°14'22	minimum elong	-12755 Mar 28 j 06:55	5° \mathbb{B} 06'13	2°44'10
morning rise	-12756 Apr 21 j 22:50	17° \mathbb{B} 24'15		morning rise	-12755 Apr 04 j 22:19	0° \mathbb{B} 21'22	
direct	-12756 Apr 24 j 13:10	16° \mathbb{B} 54'40		direct	-12755 Apr 07 j 07:58	29° \mathbb{A} 59'52	
morning max el	-12756 May 01 j 07:38	20° \mathbb{B} 18'23	18°03'55		-12755 Apr 07 j 03:24	30° \mathbb{R} \mathbb{A}	
asc. node	-12756 May 07 j 02:56	27° \mathbb{B} 43'13			-12755 Apr 07 j 12:33	0° \mathbb{B}	
	-12756 May 08 j 13:45	0° \mathbb{A}		morning max el	-12755 Apr 14 j 18:54	3° \mathbb{B} 37'08	18°20'21
morning set	-12756 May 17 j 17:05	16° \mathbb{B} 00'38		asc. node	-12755 Apr 23 j 23:47	16° \mathbb{B} 30'01	
	-12756 May 25 j 12:18	0° \mathbb{H}		morning set	-12755 Apr 30 j 21:11	29° \mathbb{B} 07'46	
					-12755 May 01 j 08:15	0° \mathbb{A}	
superior conj	-12756 May 28 j 18:08	5° \mathbb{H} 39'28	1°48'42	superior conj	-12755 May 10 j 15:01	17° \mathbb{A} 18'19	1°45'00
minimum elong	-12756 May 28 j 18:45	5° \mathbb{H} 42'06	1°48'20	minimum elong	-12755 May 10 j 13:00	17° \mathbb{A} 09'11	1°44'22
max. Earth dist.	-12756 Jun 04 j 19:55	17° \mathbb{H} 35'57	1.42259 AU		-12755 May 17 j 19:33	0° \mathbb{H}	
evening rise	-12756 Jun 12 j 02:15	29° \mathbb{H} 20'21		max. Earth dist.	-12755 May 17 j 22:57	0° \mathbb{H} 14'36	1.40519 AU
	-12756 Jun 12 j 12:17	0° \mathbb{Y}		evening rise	-12755 May 23 j 00:16	8° \mathbb{H} 43'59	
desc. node	-12756 Jun 24 j 13:34	18° \mathbb{Y} 28'18			-12755 Jun 05 j 14:04	0° \mathbb{Y}	
	-12756 Jul 02 j 13:17	0° \mathbb{B}		desc. node	-12755 Jun 11 j 11:06	8° \mathbb{Y} 33'01	
evening max el	-12756 Jul 13 j 14:27	13° \mathbb{B} 46'50	21°38'40	evening max el	-12755 Jun 26 j 04:41	27° \mathbb{Y} 07'00	22°59'05
retrograde	-12756 Jul 22 j 11:07	19° \mathbb{B} 00'57			-12755 Jun 29 j 08:33	0° \mathbb{B}	
evening set	-12756 Jul 26 j 18:37	17° \mathbb{B} 18'10		retrograde	-12755 Jul 06 j 04:49	3° \mathbb{B} 03'36	
inferior conj	-12756 Aug 01 j 01:03	11° \mathbb{B} 08'00	-0°39'24	evening set	-12755 Jul 11 j 02:23	0° \mathbb{B} 59'37	
minimum elong	-12756 Aug 01 j 01:51	11° \mathbb{B} 05'15	0°38'34		-12755 Jul 12 j 03:39	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-12756 Aug 01 j 08:53	10° \mathbb{B} 40'58	0.67104 AU	inferior conj	-12755 Jul 16 j 07:24	24° \mathbb{Y} 45'30	-1°24'37
asc. node	-12756 Aug 03 j 04:21	8° \mathbb{B} 15'02		minimum elong	-12755 Jul 16 j 08:59	24° \mathbb{Y} 40'00	1°23'44
morning rise	-12756 Aug 06 j 08:58	4° \mathbb{B} 47'12		min. Earth dist.	-12755 Jul 16 j 04:36	24° \mathbb{Y} 55'11	0.67240 AU
direct	-12756 Aug 11 j 05:38	2° \mathbb{B} 46'11		asc. node	-12755 Jul 21 j 01:08	18° \mathbb{Y} 59'49	
morning max el	-12756 Aug 21 j 13:04	8° \mathbb{B} 58'43	23°16'19	morning rise	-12755 Jul 21 j 15:29	18° \mathbb{Y} 29'05	
	-12756 Sep 06 j 23:03	0° \mathbb{II}		direct	-12755 Jul 25 j 23:26	16° \mathbb{Y} 45'58	
desc. node	-12756 Sep 20 j 10:40	20° \mathbb{II} 30'36		morning max el	-12755 Aug 04 j 03:10	22° \mathbb{Y} 16'00	21°53'45
morning set	-12756 Sep 24 j 22:31	27° \mathbb{II} 49'48			-12755 Aug 10 j 15:59	0° \mathbb{B}	
	-12756 Sep 26 j 05:45	0° \mathbb{B}			-12755 Aug 31 j 07:38	0° \mathbb{II}	
max. Earth dist.	-12756 Sep 29 j 17:59	5° \mathbb{B} 58'11	1.39924 AU	morning set	-12755 Sep 04 j 23:22	7° \mathbb{II} 18'43	
				desc. node	-12755 Sep 07 j 07:46	11° \mathbb{II} 04'28	
superior conj	-12756 Oct 07 j 06:23	19° \mathbb{B} 22'20	-1°26'37	max. Earth dist.	-12755 Sep 11 j 20:40	18° \mathbb{II} 29'35	1.41803 AU
minimum elong	-12756 Oct 07 j 03:45	19° \mathbb{B} 10'12	1°25'40		-12755 Sep 18 j 15:24	0° \mathbb{B}	
	-12756 Oct 12 j 22:20	0° \mathbb{Q}					
evening rise	-12756 Oct 16 j 15:50	7° \mathbb{Q} 08'21		superior conj	-12755 Sep 19 j 05:43	1° \mathbb{B} 02'16	-1°06'51
asc. node	-12756 Oct 30 j 03:47	0° \mathbb{R} 09'14		minimum elong	-12755 Sep 19 j 01:48	0° \mathbb{B} 45'14	1°05'38
	-12756 Oct 30 j 00:53	0° \mathbb{R}		evening rise	-12755 Sep 29 j 23:18	20° \mathbb{B} 21'05	
evening max el	-12756 Nov 01 j 21:10	3° \mathbb{R} 13'02	18°30'12		-12755 Oct 05 j 06:41	0° \mathbb{Q}	
retrograde	-12756 Nov 09 j 14:44	7° \mathbb{R} 01'27		evening max el	-12755 Oct 16 j 06:13	16° \mathbb{Q} 15'08	18°09'48
evening set	-12756 Nov 12 j 01:40	6° \mathbb{R} 39'41		asc. node	-12755 Oct 17 j 01:03	16° \mathbb{Q} 59'36	
inferior conj	-12756 Nov 19 j 15:48	2° \mathbb{R} 04'07	4°14'17	retrograde	-12755 Oct 23 j 06:34	19° \mathbb{Q} 50'25	
minimum elong	-12756 Nov 19 j 14:11	2° \mathbb{R} 07'20	4°14'35	evening set	-12755 Oct 25 j 18:15	19° \mathbb{Q} 23'56	
	-12756 Nov 22 j 06:21	30° \mathbb{R} \mathbb{Q}		inferior conj	-12755 Nov 01 j 20:04	14° \mathbb{Q} 26'58	3°50'20
min. Earth dist.	-12756 Nov 22 j 20:23	29° \mathbb{Q} 33'04	0.59106 AU	minimum elong	-12755 Nov 01 j 16:33	14° \mathbb{Q} 34'57	3°50'20
morning rise	-12756 Nov 27 j 00:53	26° \mathbb{Q} 48'07		min. Earth dist.	-12755 Nov 04 j 20:14	11° \mathbb{Q} 43'36	0.60952 AU
direct	-12756 Dec 03 j 09:42	25° \mathbb{Q} 05'18		morning rise	-12755 Nov 08 j 13:28	8° \mathbb{Q} 51'57	
	-12756 Dec 14 j 18:00	0° \mathbb{R}		direct	-12755 Nov 15 j 12:10	6° \mathbb{Q} 36'37	
morning max el	-12756 Dec 17 j 10:33	2° \mathbb{R} 22'44	26°25'59	morning max el	-12755 Nov 29 j 10:15	14° \mathbb{Q} 01'02	27°16'48
desc. node	-12756 Dec 17 j 12:01	2° \mathbb{R} 26'17		desc. node	-12755 Dec 04 j 08:36	19° \mathbb{Q} 18'19	
	-12755 Jan 06 j 08:05	0° \mathbb{Q}			-12755 Dec 12 j 09:55	0° \mathbb{R}	
morning set	-12755 Jan 15 j 18:12	18° \mathbb{Q} 17'45			-12755 Dec 29 j 13:21	0° \mathbb{Q}	
	-12755 Jan 21 j 05:08	0° \mathbb{M}		morning set	-12755 Dec 31 j 02:20	3° \mathbb{Q} 08'57	
superior conj	-12755 Jan 22 j 17:44	3° \mathbb{M} 19'54	-0°30'28	max. Earth dist.	-12754 Jan 06 j 11:17	16° \mathbb{Q} 43'55	1.32851 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12754 Jan 07 j 05:33	18° Ω 23'26	-0°50'42	superior conj	-12754 Dec 22 j 15:54	3° Ω 20'16	-1°08'22
minimum elong	-12754 Jan 07 j 07:17	18° Ω 32'56	0°50'40	minimum elong	-12754 Dec 22 j 17:53	3° Ω 31'00	1°08'09
asc. node	-12754 Jan 12 j 22:19	0° \mathbb{M} 44'15		evening rise	-12754 Dec 29 j 17:23	18° Ω 30'52	
	-12754 Jan 12 j 14:01	0° \mathbb{M}		asc. node	-12754 Dec 30 j 19:45	20° Ω 48'20	
evening rise	-12754 Jan 14 j 06:14	3° \mathbb{M} 32'44			-12753 Jan 04 j 10:31	0° \mathbb{M}	
	-12754 Jan 28 j 15:34	0° \mathbb{A}		evening max el	-12753 Jan 23 j 03:04	26° \mathbb{M} 59'31	23°56'10
evening max el	-12754 Feb 10 j 09:32	16° \mathbb{A} 04'06	25°25'07		-12753 Jan 26 j 17:49	0° \mathbb{A}	
retrograde	-12754 Feb 24 j 10:33	23° \mathbb{A} 12'06		retrograde	-12753 Feb 05 j 17:02	3° \mathbb{A} 40'30	
evening set	-12754 Mar 01 j 14:40	22° \mathbb{A} 09'08		evening set	-12753 Feb 09 j 19:59	3° \mathbb{A} 02'54	
desc. node	-12754 Mar 02 j 10:33	21° \mathbb{A} 47'55			-12753 Feb 16 j 06:37	30° \mathbb{R} \mathbb{M}	
min. Earth dist.	-12754 Mar 06 j 23:14	19° \mathbb{A} 10'23	0.57695 AU	min. Earth dist.	-12753 Feb 16 j 16:22	29° \mathbb{M} 45'18	0.56258 AU
inferior conj	-12754 Mar 09 j 23:41	17° \mathbb{A} 03'43	-1°46'51	desc. node	-12753 Feb 17 j 07:24	29° \mathbb{M} 22'21	
minimum elong	-12754 Mar 09 j 20:27	17° \mathbb{A} 09'24	1°46'49	inferior conj	-12753 Feb 18 j 17:49	28° \mathbb{M} 29'09	-0°21'37
morning rise	-12754 Mar 18 j 05:28	12° \mathbb{A} 43'22		minimum elong	-12753 Feb 18 j 16:56	28° \mathbb{M} 30'31	0°22'02
direct	-12754 Mar 20 j 10:50	12° \mathbb{A} 27'58		morning rise	-12753 Feb 27 j 16:28	24° \mathbb{M} 22'31	
morning max el	-12754 Mar 29 j 00:37	16° \mathbb{A} 33'04	18°56'16	direct	-12753 Mar 01 j 19:59	24° \mathbb{M} 10'24	
	-12754 Apr 07 j 16:23	0° \mathbb{B}		morning max el	-12753 Mar 11 j 21:50	28° \mathbb{M} 57'05	19°51'59
asc. node	-12754 Apr 10 j 20:42	5° \mathbb{B} 47'35			-12753 Mar 12 j 23:06	0° \mathbb{A}	
morning set	-12754 Apr 14 j 13:39	12° \mathbb{B} 55'36		asc. node	-12753 Mar 28 j 17:42	25° \mathbb{A} 28'34	
				morning set	-12753 Mar 29 j 14:55	27° \mathbb{A} 14'47	
superior conj	-12754 Apr 23 j 08:10	29° \mathbb{B} 59'53	1°32'07		-12753 Mar 30 j 23:40	0° \mathbb{B}	
minimum elong	-12754 Apr 23 j 05:08	29° \mathbb{B} 45'28	1°31'09				
	-12754 Apr 23 j 08:11	0° \approx		superior conj	-12753 Apr 06 j 16:26	13° \mathbb{B} 30'27	1°13'32
max. Earth dist.	-12754 Apr 29 j 23:07	12° \approx 15'51	1.38648 AU	minimum elong	-12753 Apr 06 j 13:31	13° \mathbb{B} 16'00	1°12'21
evening rise	-12754 May 04 j 01:49	19° \approx 30'27		max. Earth dist.	-12753 Apr 12 j 01:55	23° \mathbb{B} 58'52	1.36877 AU
	-12754 May 10 j 08:01	0° \mathbb{H}			-12753 Apr 15 j 07:36	0° \approx	
desc. node	-12754 May 29 j 08:39	28° \mathbb{H} 14'44		evening rise	-12753 Apr 16 j 04:10	1° \approx 33'32	
	-12754 May 30 j 16:43	0° \mathbb{Y}			-12753 May 03 j 10:45	0° \mathbb{H}	
evening max el	-12754 Jun 08 j 15:10	10° \mathbb{Y} 26'59	24°21'30	desc. node	-12753 May 16 j 06:10	17° \mathbb{H} 24'16	
retrograde	-12754 Jun 19 j 19:03	17° \mathbb{Y} 03'25		evening max el	-12753 May 22 j 00:50	23° \mathbb{H} 48'35	25°37'43
evening set	-12754 Jun 25 j 07:22	14° \mathbb{Y} 39'32			-12753 May 30 j 05:34	0° \mathbb{Y}	
min. Earth dist.	-12754 Jun 29 j 23:05	9° \mathbb{Y} 11'41	0.67062 AU	retrograde	-12753 Jun 03 j 05:08	0° \mathbb{Y} 56'15	
inferior conj	-12754 Jun 30 j 13:13	8° \mathbb{Y} 23'45	-2°04'43		-12753 Jun 06 j 21:10	30° \mathbb{R} \mathbb{H}	
minimum elong	-12754 Jun 30 j 15:18	8° \mathbb{Y} 16'41	2°03'59	evening set	-12753 Jun 09 j 07:31	28° \mathbb{H} 16'56	
morning rise	-12754 Jul 05 j 23:11	2° \mathbb{Y} 15'16		min. Earth dist.	-12753 Jun 13 j 14:01	23° \mathbb{H} 28'11	0.66531 AU
asc. node	-12754 Jul 07 j 21:52	1° \mathbb{Y} 10'11		inferior conj	-12753 Jun 14 j 16:43	22° \mathbb{H} 01'23	-2°38'22
direct	-12754 Jul 09 j 20:04	0° \mathbb{Y} 49'13		minimum elong	-12753 Jun 14 j 18:54	21° \mathbb{H} 54'14	2°37'58
morning max el	-12754 Jul 17 j 22:51	5° \mathbb{Y} 37'30	20°38'29	morning rise	-12753 Jun 20 j 06:20	16° \mathbb{H} 04'00	
	-12754 Aug 04 j 20:11	0° \mathbb{B}		direct	-12753 Jun 23 j 17:57	14° \mathbb{H} 53'31	
morning set	-12754 Aug 15 j 05:35	15° \mathbb{B} 55'52		asc. node	-12753 Jun 24 j 18:34	14° \mathbb{H} 59'22	
	-12754 Aug 24 j 03:15	0° \mathbb{I}		morning max el	-12753 Jul 01 j 01:07	19° \mathbb{H} 06'13	19°35'22
max. Earth dist.	-12754 Aug 25 j 05:43	1° \mathbb{I} 46'29	1.43330 AU		-12753 Jul 09 j 11:59	0° \mathbb{Y}	
desc. node	-12754 Aug 25 j 04:58	1° \mathbb{I} 43'30		morning set	-12753 Jul 25 j 11:18	24° \mathbb{Y} 33'26	
					-12753 Jul 28 j 22:36	0° \mathbb{B}	
superior conj	-12754 Aug 31 j 03:08	11° \mathbb{I} 24'44	-0°34'55	max. Earth dist.	-12753 Aug 07 j 20:12	15° \mathbb{B} 37'10	1.44293 AU
minimum elong	-12754 Aug 30 j 24:00	11° \mathbb{I} 11'45	0°33'45				
	-12754 Sep 11 j 01:00	0° \mathbb{B}		superior conj	-12753 Aug 10 j 21:25	20° \mathbb{B} 29'02	0°07'09
evening rise	-12754 Sep 12 j 15:22	2° \mathbb{B} 47'26		minimum elong	-12753 Aug 10 j 22:19	20° \mathbb{B} 32'38	0°07'41
evening max el	-12754 Sep 29 j 19:08	29° \mathbb{B} 32'36	18°08'41	behind sun begin	-12753 Aug 10 j 12:27	19° \mathbb{B} 53'12	
	-12754 Sep 30 j 06:17	0° \mathbb{Q}		behind sun end	-12753 Aug 11 j 08:10	21° \mathbb{B} 12'05	
asc. node	-12754 Oct 03 j 22:16	2° \mathbb{Q} 33'07		desc. node	-12753 Aug 12 j 02:19	22° \mathbb{B} 24'50	
retrograde	-12754 Oct 06 j 11:01	3° \mathbb{Q} 05'08			-12753 Aug 16 j 19:01	0° \mathbb{I}	
evening set	-12754 Oct 09 j 01:28	2° \mathbb{Q} 31'48		evening rise	-12753 Aug 25 j 10:37	14° \mathbb{I} 14'49	
	-12754 Oct 12 j 19:49	30° \mathbb{R} \mathbb{B}			-12753 Sep 03 j 23:31	0° \mathbb{B}	
inferior conj	-12754 Oct 15 j 15:47	27° \mathbb{B} 14'46	3°10'48	evening max el	-12753 Sep 13 j 08:55	12° \mathbb{B} 59'23	18°25'52
minimum elong	-12754 Oct 15 j 11:57	27° \mathbb{B} 24'38	3°10'34	retrograde	-12753 Sep 20 j 00:02	16° \mathbb{B} 38'15	
min. Earth dist.	-12754 Oct 18 j 05:14	24° \mathbb{B} 37'20	0.62688 AU	asc. node	-12753 Sep 20 j 19:23	16° \mathbb{B} 34'42	
morning rise	-12754 Oct 21 j 21:26	21° \mathbb{B} 23'20		evening set	-12753 Sep 22 j 19:29	15° \mathbb{B} 55'26	
direct	-12754 Oct 28 j 22:31	18° \mathbb{B} 47'46		inferior conj	-12753 Sep 28 j 23:38	10° \mathbb{B} 21'20	2°22'54
morning max el	-12754 Nov 11 j 15:47	26° \mathbb{B} 17'16	27°33'43	minimum elong	-12753 Sep 28 j 20:27	10° \mathbb{B} 30'25	2°22'42
	-12754 Nov 15 j 05:01	0° \mathbb{Q}		min. Earth dist.	-12753 Oct 01 j 00:28	8° \mathbb{B} 02'28	0.64182 AU
desc. node	-12754 Nov 21 j 05:11	7° \mathbb{Q} 22'32		morning rise	-12753 Oct 04 j 20:43	4° \mathbb{B} 16'22	
	-12754 Dec 05 j 20:28	0° \mathbb{M}		direct	-12753 Oct 11 j 15:52	1° \mathbb{B} 33'38	
morning set	-12754 Dec 15 j 05:08	17° \mathbb{M} 41'20		morning max el	-12753 Oct 25 j 01:10	9° \mathbb{B} 04'59	27°16'59
max. Earth dist.	-12754 Dec 20 j 20:32	29° \mathbb{M} 27'13	1.33253 AU	desc. node	-12753 Nov 08 j 01:50	26° \mathbb{B} 18'19	
	-12754 Dec 21 j 02:40	0° \mathbb{Q}			-12753 Nov 10 j 14:17	0° \mathbb{Q}	
					-12753 Nov 28 j 02:06	0° \mathbb{M}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12753 Nov 28 j 23:50	1° \mathbb{M} 45'50		morning set	-12752 Nov 02 j 18:51	0° \mathcal{Q}	
max. Earth dist.	-12753 Dec 03 j 22:35	11° \mathbb{M} 44'42	1.34043 AU	max. Earth dist.	-12752 Nov 11 j 06:55	15° \mathcal{Q} 11'42	
					-12752 Nov 15 j 14:24	23° \mathcal{Q} 31'19	1.35253 AU
superior conj	-12753 Dec 06 j 22:56	18° \mathbb{M} 03'51	-1°22'40		-12752 Nov 18 j 19:44	0° \mathbb{M}	
minimum elong	-12753 Dec 07 j 00:46	18° \mathbb{M} 13'33	1°22'19				
	-12753 Dec 12 j 13:29	0° \mathcal{Q}		superior conj	-12752 Nov 20 j 00:26	2° \mathbb{M} 27'01	-1°32'30
evening rise	-12753 Dec 14 j 04:19	3° \mathcal{Q} 24'17		minimum elong	-12752 Nov 20 j 01:38	2° \mathbb{M} 33'09	1°32'04
asc. node	-12753 Dec 17 j 17:12	10° \mathcal{Q} 37'27		evening rise	-12752 Nov 27 j 13:19	18° \mathbb{M} 07'27	
	-12753 Dec 29 j 02:25	0° \mathbb{M}		asc. node	-12752 Dec 03 j 14:37	0° \mathcal{Q} 05'17	
evening max el	-12752 Jan 04 j 21:32	7° \mathbb{M} 53'10	22°22'00		-12752 Dec 03 j 13:29	0° \mathcal{Q}	
retrograde	-12752 Jan 17 j 12:20	13° \mathbb{M} 55'04		evening max el	-12752 Dec 16 j 22:33	19° \mathcal{Q} 08'02	20°55'03
evening set	-12752 Jan 20 j 18:48	13° \mathbb{M} 31'32		retrograde	-12752 Dec 28 j 03:12	24° \mathcal{Q} 23'25	
inferior conj	-12752 Jan 29 j 20:22	9° \mathbb{M} 22'39	1°20'38	evening set	-12752 Dec 30 j 21:49	24° \mathcal{Q} 05'16	
minimum elong	-12752 Jan 29 j 23:42	9° \mathbb{M} 17'52	1°19'04	inferior conj	-12751 Jan 08 j 18:07	20° \mathcal{Q} 06'04	2°54'23
min. Earth dist.	-12752 Jan 29 j 07:10	9° \mathbb{M} 41'36	0.55524 AU	minimum elong	-12751 Jan 08 j 23:54	19° \mathcal{Q} 57'38	2°52'42
desc. node	-12752 Feb 04 j 04:09	6° \mathbb{M} 34'57		min. Earth dist.	-12751 Jan 09 j 20:59	19° \mathcal{Q} 26'57	0.55643 AU
morning rise	-12752 Feb 08 j 05:27	5° \mathbb{M} 18'20		morning rise	-12751 Jan 18 j 00:49	15° \mathcal{Q} 48'16	
direct	-12752 Feb 10 j 14:47	5° \mathbb{M} 05'07		direct	-12751 Jan 21 j 06:01	15° \mathcal{Q} 25'26	
morning max el	-12752 Feb 22 j 08:15	10° \mathbb{M} 42'01	21°06'40	desc. node	-12751 Jan 21 j 00:48	15° \mathcal{Q} 25'33	
	-12752 Mar 06 j 20:21	0° \mathcal{Q}		morning max el	-12751 Feb 03 j 07:41	21° \mathcal{Q} 49'18	22°36'35
morning set	-12752 Mar 12 j 22:04	11° \mathcal{Q} 56'08			-12751 Feb 10 j 06:47	0° \mathbb{M}	
asc. node	-12752 Mar 14 j 14:47	15° \mathcal{Q} 26'25		morning set	-12751 Feb 25 j 08:49	26° \mathbb{M} 52'30	
					-12751 Feb 26 j 20:35	0° \mathcal{Q}	
superior conj	-12752 Mar 20 j 11:30	27° \mathcal{Q} 37'07	0°51'44	asc. node	-12751 Mar 01 j 11:58	5° \mathcal{Q} 36'13	
minimum elong	-12752 Mar 20 j 09:19	27° \mathcal{Q} 25'54	0°50'32				
	-12752 Mar 21 j 15:24	0° \mathcal{Q}		superior conj	-12751 Mar 04 j 14:08	12° \mathcal{Q} 10'09	0°28'26
max. Earth dist.	-12752 Mar 24 j 12:28	5° \mathcal{Q} 47'50	1.35373 AU	minimum elong	-12751 Mar 04 j 12:57	12° \mathcal{Q} 03'50	0°27'26
evening rise	-12752 Mar 29 j 01:33	14° \mathcal{Q} 36'39		max. Earth dist.	-12751 Mar 07 j 09:04	18° \mathcal{Q} 00'35	1.34219 AU
	-12752 Apr 06 j 15:40	0° \mathcal{Q}		evening rise	-12751 Mar 12 j 12:50	28° \mathcal{Q} 24'50	
	-12752 Apr 27 j 01:15	0° \mathcal{H}			-12751 Mar 13 j 08:23	0° \mathcal{Q}	
desc. node	-12752 May 02 j 03:38	5° \mathcal{H} 47'44			-12751 Mar 30 j 20:11	0° \mathcal{Q}	
evening max el	-12752 May 03 j 11:07	7° \mathcal{H} 07'44	26°39'09	evening max el	-12751 Apr 15 j 21:51	20° \mathcal{Q} 16'50	27°17'39
retrograde	-12752 May 16 j 10:30	14° \mathcal{H} 35'03		desc. node	-12751 Apr 19 j 00:57	23° \mathcal{Q} 06'32	
evening set	-12752 May 23 j 00:29	11° \mathcal{H} 48'26		retrograde	-12751 Apr 29 j 10:32	27° \mathcal{Q} 52'20	
min. Earth dist.	-12752 May 26 j 23:15	7° \mathcal{H} 38'46	0.65613 AU	evening set	-12751 May 06 j 07:29	25° \mathcal{Q} 10'02	
inferior conj	-12752 May 28 j 15:48	5° \mathcal{H} 35'11	-3°03'57	min. Earth dist.	-12751 May 10 j 00:58	21° \mathcal{Q} 35'36	0.64300 AU
minimum elong	-12752 May 28 j 17:39	5° \mathcal{H} 29'32	3°04'00	inferior conj	-12751 May 12 j 08:05	19° \mathcal{Q} 01'42	-3°19'12
morning rise	-12752 Jun 03 j 11:04	29° \mathcal{Q} 51'31		minimum elong	-12751 May 12 j 09:03	18° \mathcal{Q} 59'00	3°19'40
	-12752 Jun 03 j 05:32	30° \mathcal{R}		morning rise	-12751 May 18 j 11:18	13° \mathcal{Q} 33'58	
direct	-12752 Jun 06 j 15:07	28° \mathcal{Q} 54'43		direct	-12751 May 21 j 09:16	12° \mathcal{Q} 48'59	
	-12752 Jun 10 j 03:02	0° \mathcal{H}		morning max el	-12751 May 27 j 21:15	16° \mathcal{Q} 17'50	18°16'10
asc. node	-12752 Jun 10 j 15:16	0° \mathcal{H} 19'31		asc. node	-12751 May 28 j 11:59	16° \mathcal{Q} 56'04	
morning max el	-12752 Jun 13 j 09:11	2° \mathcal{H} 40'39	18°47'20		-12751 Jun 06 j 17:27	0° \mathcal{H}	
	-12752 Jul 01 j 23:13	0° \mathcal{Y}		morning set	-12751 Jun 15 j 09:37	14° \mathcal{H} 30'14	
morning set	-12752 Jul 04 j 10:03	3° \mathcal{Y} 57'42			-12751 Jun 24 j 17:00	0° \mathcal{Y}	
superior conj	-12752 Jul 19 j 22:41	28° \mathcal{Y} 45'42	0°51'18	superior conj	-12751 Jun 29 j 04:20	7° \mathcal{Y} 16'23	1°26'11
minimum elong	-12752 Jul 20 j 04:19	29° \mathcal{Y} 08'02	0°51'05	minimum elong	-12751 Jun 29 j 10:29	7° \mathcal{Y} 41'12	1°25'47
max. Earth dist.	-12752 Jul 20 j 12:40	29° \mathcal{Y} 41'02	1.44572 AU	max. Earth dist.	-12751 Jul 03 j 03:59	13° \mathcal{Y} 39'55	1.44153 AU
	-12752 Jul 20 j 17:27	0° \mathcal{B}			-12751 Jul 13 j 12:41	0° \mathcal{B}	
desc. node	-12752 Jul 28 j 23:46	13° \mathcal{B} 05'04		evening rise	-12751 Jul 15 j 17:53	3° \mathcal{B} 27'25	
evening rise	-12752 Aug 05 j 03:36	24° \mathcal{B} 28'41		desc. node	-12751 Jul 15 j 21:17	3° \mathcal{B} 40'43	
	-12752 Aug 08 j 14:37	0° \mathbb{I}		greatest brilliancy	-12751 Jul 28 j 00:04	22° \mathcal{B} 19'02	-0.7m
evening max el	-12752 Aug 26 j 20:39	26° \mathbb{I} 30'04	19°00'26		-12751 Aug 02 j 05:35	0° \mathbb{I}	
	-12752 Aug 31 j 15:59	0° \mathcal{B}		evening max el	-12751 Aug 10 j 03:50	10° \mathbb{I} 00'05	19°51'10
retrograde	-12752 Sep 02 j 18:11	0° \mathcal{B} 24'02		retrograde	-12751 Aug 17 j 14:33	14° \mathbb{I} 18'00	
	-12752 Sep 04 j 19:20	30° \mathcal{R} \mathbb{I}		evening set	-12751 Aug 21 j 02:51	13° \mathbb{I} 06'30	
evening set	-12752 Sep 05 j 20:53	29° \mathbb{I} 28'36		asc. node	-12751 Aug 24 j 13:18	9° \mathbb{I} 48'10	
asc. node	-12752 Sep 06 j 16:23	28° \mathbb{I} 56'18		inferior conj	-12751 Aug 26 j 15:50	7° \mathbb{I} 07'59	0°39'12
inferior conj	-12752 Sep 11 j 16:32	23° \mathbb{I} 40'44	1°31'22	minimum elong	-12751 Aug 26 j 14:56	7° \mathbb{I} 10'56	0°39'36
minimum elong	-12752 Sep 11 j 14:26	23° \mathbb{I} 47'13	1°31'26	min. Earth dist.	-12751 Aug 27 j 16:41	5° \mathbb{I} 46'31	0.66283 AU
min. Earth dist.	-12752 Sep 13 j 04:58	21° \mathbb{I} 48'16	0.65380 AU	morning rise	-12751 Sep 01 j 02:43	0° \mathbb{I} 47'51	
morning rise	-12752 Sep 17 j 07:31	17° \mathbb{I} 26'06			-12751 Sep 02 j 02:56	30° \mathcal{R} \mathcal{B}	
direct	-12752 Sep 23 j 15:46	14° \mathbb{I} 46'58		direct	-12751 Sep 06 j 21:34	28° \mathcal{B} 20'13	
morning max el	-12752 Oct 06 j 11:44	22° \mathbb{I} 12'08	26°31'24		-12751 Sep 12 j 05:17	0° \mathbb{I}	
	-12752 Oct 13 j 10:37	0° \mathcal{B}		morning max el	-12751 Sep 18 j 21:42	5° \mathbb{I} 26'23	25°24'20
desc. node	-12752 Oct 24 j 22:33	15° \mathcal{B} 51'00			-12751 Oct 07 j 23:38	0° \mathcal{B}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12751 Oct 11 j 19:21	5°♄49'19		asc. node	-12750 Aug 11 j 10:09	19°♄50'02	
morning set	-12751 Oct 24 j 21:42	27°♄44'31		min. Earth dist.	-12750 Aug 11 j 09:17	19°♄52'56	0.66891 AU
	-12751 Oct 26 j 03:39	0°♄		morning rise	-12750 Aug 16 j 03:52	14°♄18'58	
max. Earth dist.	-12751 Oct 28 j 19:41	4°♄55'51	1.36875 AU	direct	-12750 Aug 21 j 08:36	12°♄07'31	
				morning max el	-12750 Sep 01 j 07:33	18°♄41'50	24°04'33
superior conj	-12751 Nov 03 j 17:27	16°♄20'00	-1°36'32		-12750 Sep 10 j 19:51	0°♄	
minimum elong	-12751 Nov 03 j 17:28	16°♄20'06	1°35'58	desc. node	-12750 Sep 28 j 16:17	26°♄05'50	
	-12751 Nov 10 j 12:05	0°♄			-12750 Oct 01 j 02:37	0°♄	
evening rise	-12751 Nov 11 j 18:29	2°♄33'43		morning set	-12750 Oct 06 j 14:56	9°♄10'36	
asc. node	-12751 Nov 20 j 12:01	19°♄03'09		max. Earth dist.	-12750 Oct 10 j 19:09	16°♄26'49	1.38788 AU
	-12751 Nov 28 j 11:01	0°♄					
evening max el	-12751 Nov 29 j 09:21	0°♄55'08	19°43'24	superior conj	-12750 Oct 17 j 22:17	29°♄32'10	-1°32'58
retrograde	-12751 Dec 09 j 00:28	5°♄27'24		minimum elong	-12750 Oct 17 j 20:39	29°♄24'29	1°32'10
evening set	-12751 Dec 11 j 14:10	5°♄09'29			-12750 Oct 18 j 04:09	0°♄	
inferior conj	-12751 Dec 19 j 23:56	1°♄03'37	3°55'31	evening rise	-12750 Oct 26 j 17:35	16°♄37'21	
minimum elong	-12751 Dec 20 j 03:59	0°♄57'08	3°55'00		-12750 Nov 02 j 19:54	0°♄	
	-12751 Dec 21 j 15:45	30°♄		asc. node	-12750 Nov 07 j 09:20	7°♄21'20	
min. Earth dist.	-12751 Dec 22 j 10:16	29°♄30'54	0.56575 AU	evening max el	-12750 Nov 12 j 06:17	13°♄15'37	18°51'01
morning rise	-12751 Dec 28 j 15:45	26°♄23'23		retrograde	-12750 Nov 20 j 13:37	17°♄16'16	
direct	-12750 Jan 02 j 04:32	25°♄37'11		evening set	-12750 Nov 23 j 01:15	16°♄56'12	
desc. node	-12750 Jan 07 j 21:23	26°♄51'34		inferior conj	-12750 Nov 30 j 22:36	12°♄32'33	4°17'08
	-12750 Jan 13 j 01:18	0°♄		minimum elong	-12750 Nov 30 j 22:52	12°♄32'03	4°17'23
morning max el	-12750 Jan 15 j 23:30	2°♄32'20	24°13'21	min. Earth dist.	-12750 Dec 04 j 00:45	10°♄18'01	0.58096 AU
	-12750 Feb 03 j 22:27	0°♄		morning rise	-12750 Dec 08 j 18:35	7°♄29'15	
morning set	-12750 Feb 09 j 21:12	11°♄56'09		direct	-12750 Dec 14 j 14:11	6°♄08'07	
asc. node	-12750 Feb 16 j 09:13	25°♄52'40		desc. node	-12750 Dec 25 j 17:56	10°♄48'43	
				morning max el	-12750 Dec 28 j 14:29	13°♄18'53	25°43'16
superior conj	-12750 Feb 16 j 21:47	27°♄00'25	0°04'55		-12749 Jan 10 j 17:59	0°♄	
minimum elong	-12750 Feb 16 j 21:36	26°♄59'28	0°04'13	morning set	-12749 Jan 25 j 09:24	27°♄00'34	
behind sun begin	-12750 Feb 16 j 16:38	26°♄32'39			-12749 Jan 26 j 19:20	0°♄	
behind sun end	-12750 Feb 17 j 02:35	27°♄26'16					
	-12750 Feb 18 j 07:13	0°♄		superior conj	-12749 Feb 01 j 08:25	12°♄00'46	-0°17'56
max. Earth dist.	-12750 Feb 18 j 14:36	0°♄39'29	1.33411 AU	minimum elong	-12749 Feb 01 j 09:09	12°♄04'47	0°18'20
evening rise	-12750 Feb 24 j 09:54	12°♄44'21		max. Earth dist.	-12749 Feb 02 j 01:59	13°♄36'26	1.32937 AU
	-12750 Mar 05 j 13:35	0°♄		asc. node	-12749 Feb 03 j 06:31	16°♄11'20	
	-12750 Mar 26 j 07:53	0°♄		evening rise	-12749 Feb 08 j 13:41	27°♄24'43	
evening max el	-12750 Mar 29 j 07:17	3°♄05'02	27°26'56		-12749 Feb 09 j 20:07	0°♄	
desc. node	-12750 Apr 05 j 22:09	8°♄55'07			-12749 Feb 27 j 00:40	0°♄	
retrograde	-12750 Apr 12 j 04:19	10°♄39'50		evening max el	-12749 Mar 11 j 12:55	15°♄20'43	27°03'30
evening set	-12750 Apr 19 j 01:20	8°♄14'57		desc. node	-12749 Mar 23 j 19:15	22°♄40'57	
min. Earth dist.	-12750 Apr 22 j 17:57	5°♄07'27	0.62628 AU	retrograde	-12749 Mar 25 j 14:25	22°♄49'31	
inferior conj	-12750 Apr 25 j 14:43	2°♄15'39	-3°20'48	evening set	-12749 Apr 01 j 02:47	20°♄53'14	
minimum elong	-12750 Apr 25 j 14:15	2°♄16'48	3°21'29	min. Earth dist.	-12749 Apr 05 j 01:57	18°♄00'21	0.60708 AU
	-12750 Apr 27 j 23:02	30°♄		inferior conj	-12749 Apr 08 j 08:13	15°♄08'55	-3°04'05
morning rise	-12750 May 02 j 04:30	27°♄05'45		minimum elong	-12749 Apr 08 j 06:03	15°♄13'42	3°04'37
direct	-12750 May 04 j 21:27	26°♄30'53		morning rise	-12749 Apr 15 j 11:31	10°♄18'33	
morning max el	-12750 May 11 j 11:04	29°♄53'17	18°03'01	direct	-12749 Apr 17 j 23:59	9°♄52'27	
	-12750 May 11 j 13:47	0°♄		morning max el	-12749 Apr 25 j 00:02	13°♄20'08	18°08'33
asc. node	-12750 May 15 j 08:46	4°♄33'41		asc. node	-12749 May 02 j 05:36	22°♄58'24	
morning set	-12750 May 28 j 09:11	26°♄11'12			-12749 May 06 j 08:00	0°♄	
	-12750 May 30 j 13:07	0°♄		morning set	-12749 May 11 j 04:16	8°♄50'13	
superior conj	-12750 Jun 09 j 08:09	16°♄52'11	1°45'03	superior conj	-12749 May 21 j 14:54	27°♄47'59	1°48'30
minimum elong	-12750 Jun 09 j 10:56	17°♄03'51	1°44'45	minimum elong	-12749 May 21 j 14:12	27°♄44'51	1°48'04
max. Earth dist.	-12750 Jun 15 j 16:03	27°♄19'27	1.43101 AU		-12749 May 22 j 20:58	0°♄	
	-12750 Jun 17 j 07:44	0°♄		max. Earth dist.	-12749 May 28 j 22:57	10°♄24'41	1.41554 AU
evening rise	-12750 Jun 24 j 18:00	11°♄46'41		evening rise	-12749 Jun 04 j 02:46	20°♄31'00	
desc. node	-12750 Jul 02 j 18:50	24°♄08'12			-12749 Jun 10 j 03:02	0°♄	
	-12750 Jul 06 j 16:29	0°♄		desc. node	-12749 Jun 19 j 16:24	14°♄22'42	
evening max el	-12750 Jul 24 j 04:35	23°♄26'45	20°56'08		-12749 Jul 01 j 00:40	0°♄	
retrograde	-12750 Aug 01 j 11:03	28°♄17'39		evening max el	-12749 Jul 06 j 22:17	6°♄48'22	22°12'12
evening set	-12750 Aug 05 j 11:05	26°♄46'55		retrograde	-12749 Jul 16 j 06:04	12°♄19'48	
inferior conj	-12750 Aug 10 j 19:20	20°♄40'28	-0°11'29	evening set	-12749 Jul 20 j 19:33	10°♄27'50	
minimum elong	-12750 Aug 10 j 19:33	20°♄39'41	0°10'47	inferior conj	-12749 Jul 26 j 01:07	4°♄15'52	-0°59'08
transit middle	-12750 Aug 10 j 19:33	20°♄39'41	0°10'47	minimum elong	-12749 Jul 26 j 02:17	4°♄11'49	0°58'15
transit begin	-12750 Aug 10 j 17:30	20°♄46'40		min. Earth dist.	-12749 Jul 26 j 04:26	4°♄04'22	0.67204 AU
transit end	-12750 Aug 10 j 21:37	20°♄32'42		asc. node	-12749 Jul 29 j 06:57	0°♄01'37	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12749 Jul 29 j 07:31	30° Υ		morning rise	-12748 Jul 14 j 16:10	11° Υ 40'18	
morning rise	-12749 Jul 31 j 08:56	27° Υ 56'45		asc. node	-12748 Jul 15 j 03:45	11° Υ 19'03	
direct	-12749 Aug 05 j 00:04	26° Υ 03'26		direct	-12748 Jul 18 j 19:06	10° Υ 04'51	
	-12749 Aug 12 j 18:29	0° B		morning max el	-12748 Jul 27 j 11:48	15° Υ 16'38	21°20'30
morning max el	-12749 Aug 14 j 19:23	1° B 57'31	22°40'44		-12748 Aug 08 j 01:14	0° B	
	-12749 Sep 04 j 20:49	0° II		morning set	-12748 Aug 26 j 21:45	28° B 22'30	
desc. node	-12749 Sep 15 j 13:19	16° II 34'19			-12748 Aug 27 j 22:31	0° II	
morning set	-12749 Sep 17 j 06:26	19° II 20'30		desc. node	-12748 Sep 01 j 10:27	7° II 10'32	
max. Earth dist.	-12749 Sep 22 j 19:35	28° II 33'01	1.40756 AU	max. Earth dist.	-12748 Sep 04 j 01:07	11° II 25'07	1.42508 AU
	-12749 Sep 23 j 16:02	0° E					
				superior conj	-12748 Sep 10 j 22:45	22° II 56'53	-0°54'45
superior conj	-12749 Sep 30 j 09:58	11° E 49'23	-1°19'41	minimum elong	-12748 Sep 10 j 18:49	22° II 40'05	0°53'30
minimum elong	-12749 Sep 30 j 06:39	11° E 34'30	1°18'36		-12748 Sep 15 j 00:44	0° E	
evening rise	-12749 Oct 10 j 07:47	0° Ω 10'53		evening rise	-12748 Sep 22 j 09:18	13° E 05'11	
	-12749 Oct 10 j 05:28	0° Ω			-12748 Oct 02 j 02:04	0° Ω	
asc. node	-12749 Oct 25 j 06:36	24° Ω 47'36		evening max el	-12748 Oct 08 j 22:35	9° Ω 12'45	18°07'02
evening max el	-12749 Oct 26 j 11:36	26° Ω 03'58	18°19'04	asc. node	-12748 Oct 11 j 03:51	11° Ω 07'01	
retrograde	-12749 Nov 02 j 20:43	29° Ω 45'39		retrograde	-12748 Oct 15 j 18:32	12° Ω 46'10	
evening set	-12749 Nov 05 j 07:44	29° Ω 22'02		evening set	-12748 Oct 18 j 07:00	12° Ω 17'11	
inferior conj	-12749 Nov 12 j 16:31	24° Ω 36'55	4°06'39	inferior conj	-12748 Oct 25 j 03:47	7° Ω 11'19	3°35'00
minimum elong	-12749 Nov 12 j 13:52	24° Ω 42'30	4°06'49	minimum elong	-12748 Oct 24 j 23:58	7° Ω 20'29	3°34'52
min. Earth dist.	-12749 Nov 15 j 20:07	21° Ω 58'31	0.59891 AU	min. Earth dist.	-12748 Oct 27 j 23:50	4° Ω 28'24	0.61703 AU
morning rise	-12749 Nov 19 j 18:25	19° Ω 12'35		morning rise	-12748 Oct 31 j 15:41	1° Ω 28'39	
direct	-12749 Nov 26 j 10:33	17° Ω 15'08			-12748 Nov 03 j 06:51	30° R E	
morning max el	-12749 Dec 10 j 10:32	24° Ω 35'09	26°51'39	direct	-12748 Nov 07 j 16:23	29° E 03'09	
desc. node	-12749 Dec 12 j 14:31	26° Ω 46'22			-12748 Nov 12 j 06:57	0° Ω	
	-12749 Dec 15 j 11:19	0° M		morning max el	-12748 Nov 21 j 13:11	6° Ω 30'43	27°28'24
	-12748 Jan 03 j 19:11	0° A		desc. node	-12748 Nov 28 j 11:05	14° Ω 11'57	
morning set	-12748 Jan 09 j 19:38	11° A 59'14			-12748 Dec 09 j 11:36	0° M	
				morning set	-12748 Dec 24 j 01:49	26° M 43'48	
superior conj	-12748 Jan 16 j 20:17	27° A 05'14	-0°39'19		-12748 Dec 25 j 15:47	0° A	
minimum elong	-12748 Jan 16 j 21:45	27° A 13'11	0°39'25	max. Earth dist.	-12748 Dec 30 j 03:20	9° A 32'54	1.32970 AU
max. Earth dist.	-12748 Jan 16 j 15:31	26° A 39'07	1.32784 AU				
	-12748 Jan 18 j 04:17	0° M		superior conj	-12748 Dec 31 j 07:41	12° A 06'44	-0°58'33
asc. node	-12748 Jan 21 j 03:52	6° M 28'13		minimum elong	-12748 Dec 31 j 09:35	12° A 17'01	0°58'26
evening rise	-12748 Jan 23 j 21:50	12° M 17'50		evening rise	-12747 Jan 07 j 08:23	27° A 15'47	
	-12748 Feb 02 j 01:06	0° A		asc. node	-12747 Jan 07 j 01:15	26° A 38'16	
evening max el	-12748 Feb 21 j 12:59	26° A 59'00	26°08'29		-12747 Jan 08 j 15:55	0° M	
	-12748 Feb 25 j 00:58	0° B			-12747 Jan 26 j 05:01	0° A	
retrograde	-12748 Mar 06 j 15:36	4° B 17'18		evening max el	-12747 Feb 02 j 07:56	8° A 05'03	24°48'47
desc. node	-12748 Mar 09 j 16:15	3° B 54'22		retrograde	-12747 Feb 16 j 05:49	15° A 03'59	
evening set	-12748 Mar 12 j 09:46	2° B 55'07		evening set	-12747 Feb 20 j 23:05	14° A 13'01	
min. Earth dist.	-12748 Mar 17 j 02:17	0° B 02'32	0.58738 AU	desc. node	-12747 Feb 24 j 13:10	12° A 33'08	
	-12748 Mar 17 j 03:41	30° R A		min. Earth dist.	-12747 Feb 26 j 21:34	11° A 07'35	0.57012 AU
inferior conj	-12748 Mar 20 j 09:01	27° A 33'16	-2°23'17	inferior conj	-12747 Mar 01 j 14:22	9° A 20'39	-1°13'53
minimum elong	-12748 Mar 20 j 05:41	27° A 39'38	2°23'23	minimum elong	-12747 Mar 01 j 11:47	9° A 24'55	1°13'54
morning rise	-12748 Mar 28 j 04:40	23° A 02'53		morning rise	-12747 Mar 10 j 03:43	5° A 07'24	
direct	-12748 Mar 30 j 12:34	22° A 44'08		direct	-12747 Mar 12 j 07:35	4° A 53'55	
morning max el	-12748 Apr 07 j 09:24	26° A 30'58	18°33'16	morning max el	-12747 Mar 21 j 11:59	9° A 15'05	19°17'34
	-12748 Apr 10 j 11:59	0° B			-12747 Apr 04 j 05:12	0° B	
asc. node	-12748 Apr 18 j 02:30	11° B 59'39		asc. node	-12747 Apr 04 j 23:28	1° B 27'55	
morning set	-12748 Apr 23 j 14:11	22° B 16'27		morning set	-12747 Apr 07 j 10:46	6° B 18'30	
	-12748 Apr 27 j 14:47	0° \approx					
				superior conj	-12747 Apr 15 j 21:24	23° B 00'29	1°24'47
superior conj	-12748 May 02 j 21:12	9° \approx 56'09	1°40'26	minimum elong	-12747 Apr 15 j 18:20	22° B 45'32	1°23'42
minimum elong	-12748 May 02 j 18:35	9° \approx 44'01	1°39'39		-12747 Apr 19 j 13:13	0° \approx	
max. Earth dist.	-12748 May 10 j 00:34	22° \approx 47'32	1.39726 AU	max. Earth dist.	-12747 Apr 22 j 00:38	4° \approx 36'01	1.37868 AU
	-12748 May 14 j 05:27	0° H		evening rise	-12747 Apr 26 j 01:09	11° \approx 50'02	
evening rise	-12748 May 14 j 12:24	0° H 29'16			-12747 May 06 j 22:29	0° H	
	-12748 Jun 02 j 12:19	0° Υ		desc. node	-12747 May 23 j 11:30	23° H 48'15	
desc. node	-12748 Jun 05 j 13:57	4° Υ 18'43			-12747 May 28 j 14:24	0° Υ	
evening max el	-12748 Jun 18 j 10:27	20° Υ 07'30	23°34'14	evening max el	-12747 May 31 j 20:07	3° Υ 27'39	24°55'09
retrograde	-12748 Jun 28 j 22:27	26° Υ 21'53		retrograde	-12747 Jun 12 j 11:14	10° Υ 19'33	
evening set	-12748 Jul 04 j 02:23	24° Υ 08'48		evening set	-12747 Jun 18 j 05:38	7° Υ 48'16	
inferior conj	-12748 Jul 09 j 07:27	17° Υ 53'34	-1°42'22	min. Earth dist.	-12747 Jun 22 j 17:13	2° Υ 36'44	0.66878 AU
minimum elong	-12748 Jul 09 j 09:18	17° Υ 47'14	1°41'31	inferior conj	-12747 Jun 23 j 12:33	1° Υ 32'03	-2°19'55
min. Earth dist.	-12748 Jul 08 j 23:51	18° Υ 19'43	0.67209 AU	minimum elong	-12747 Jun 23 j 14:44	1° Υ 24'45	2°19'18

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12747 Jun 24 j 16:24	30° RH		direct	-12746 Jun 16 j 14:23	8° H 11'49	
morning rise	-12747 Jun 28 j 23:50	25° H 27'50		asc. node	-12746 Jun 18 j 21:12	8° H 40'20	
asc. node	-12747 Jul 02 j 00:29	24° H 11'17		morning max el	-12746 Jun 23 j 15:09	12° H 12'13	19°12'52
direct	-12747 Jul 02 j 16:27	24° H 08'47			-12746 Jul 06 j 12:30	0° Y	
morning max el	-12747 Jul 10 j 10:22	28° H 41'30	20°09'53	morning set	-12746 Jul 16 j 12:30	15° Y 45'34	
	-12747 Jul 11 j 15:29	0° Y			-12746 Jul 25 j 12:38	0° B	
	-12747 Aug 01 j 14:37	0° B		max. Earth dist.	-12746 Jul 31 j 03:38	8° B 53'52	1.44498 AU
morning set	-12747 Aug 06 j 01:16	6° B 53'09					
max. Earth dist.	-12747 Aug 17 j 12:16	24° B 56'43	1.43811 AU	superior conj	-12746 Aug 01 j 17:19	11° B 23'15	0°26'18
desc. node	-12747 Aug 19 j 07:43	27° B 51'05		minimum elong	-12746 Aug 01 j 20:28	11° B 35'44	0°26'29
	-12747 Aug 20 j 15:39	0° II		desc. node	-12746 Aug 06 j 05:06	18° B 32'15	
					-12746 Aug 13 j 08:01	0° II	
superior conj	-12747 Aug 22 j 08:20	2° II 45'09	-0°17'59	evening rise	-12746 Aug 17 j 01:50	6° II 05'25	
minimum elong	-12747 Aug 22 j 06:32	2° II 37'51	0°17'02		-12746 Sep 01 j 04:00	0° B	
evening rise	-12747 Sep 04 j 17:17	25° II 08'29		evening max el	-12746 Sep 06 j 01:34	6° B 04'23	18°38'34
	-12747 Sep 07 j 13:20	0° B		retrograde	-12746 Sep 12 j 18:27	9° B 48'14	
evening max el	-12747 Sep 22 j 12:15	22° B 35'16	18°13'53	asc. node	-12746 Sep 14 j 22:06	9° B 22'20	
asc. node	-12747 Sep 28 j 01:02	26° B 03'22		evening set	-12746 Sep 15 j 16:46	9° B 00'25	
retrograde	-12747 Sep 29 j 03:03	26° B 09'29		inferior conj	-12746 Sep 21 j 17:06	3° B 20'18	2°01'16
evening set	-12747 Oct 01 j 19:15	25° B 32'37		minimum elong	-12746 Sep 21 j 14:21	3° B 28'27	2°01'09
inferior conj	-12747 Oct 08 j 05:06	20° B 08'16	2°51'11	min. Earth dist.	-12746 Sep 23 j 12:38	1° B 11'54	0.64734 AU
minimum elong	-12747 Oct 08 j 01:27	20° B 18'05	2°50'56		-12746 Sep 24 j 14:01	30° RII	
min. Earth dist.	-12747 Oct 10 j 13:24	17° B 37'06	0.63352 AU	morning rise	-12746 Sep 27 j 11:20	27° II 11'00	
morning rise	-12747 Oct 14 j 06:44	14° B 10'33		direct	-12746 Oct 04 j 02:30	24° II 28'24	
direct	-12747 Oct 21 j 06:11	11° B 30'01			-12746 Oct 15 j 03:58	0° B	
morning max el	-12747 Nov 03 j 20:40	19° B 01'51	27°30'30	morning max el	-12746 Oct 17 j 06:30	1° B 57'56	27°00'39
	-12747 Nov 13 j 08:07	0° O		desc. node	-12746 Nov 02 j 04:19	21° B 53'01	
desc. node	-12747 Nov 15 j 07:41	2° O 40'25			-12746 Nov 07 j 11:40	0° O	
	-12747 Dec 02 j 06:49	0° O		morning set	-12746 Nov 21 j 15:44	24° O 54'21	
morning set	-12747 Dec 08 j 01:33	11° O 05'41			-12746 Nov 24 j 06:08	0° O	
max. Earth dist.	-12747 Dec 13 j 09:43	22° O 05'12	1.33532 AU	max. Earth dist.	-12746 Nov 26 j 07:24	4° O 07'49	1.34506 AU
superior conj	-12747 Dec 15 j 16:53	26° O 58'58	-1°14'54	superior conj	-12746 Nov 29 j 21:51	11° O 34'23	-1°27'28
minimum elong	-12747 Dec 15 j 18:52	27° O 09'34	1°14'38	minimum elong	-12746 Nov 29 j 23:28	11° O 42'54	1°27'05
	-12747 Dec 17 j 02:36	0° O		evening rise	-12746 Dec 07 j 05:54	27° O 01'35	
evening rise	-12747 Dec 22 j 19:37	12° O 12'26			-12746 Dec 08 j 16:29	0° O	
asc. node	-12747 Dec 24 j 22:39	16° O 36'30		asc. node	-12746 Dec 11 j 20:05	6° O 16'54	
	-12746 Jan 01 j 00:08	0° O			-12746 Dec 27 j 23:10	0° O	
evening max el	-12746 Jan 15 j 01:16	18° O 57'04	23°16'03	evening max el	-12746 Dec 27 j 22:02	29° O 57'22	21°43'35
retrograde	-12746 Jan 28 j 07:21	25° O 22'51		retrograde	-12745 Jan 08 j 22:59	5° O 39'02	
evening set	-12746 Feb 01 j 00:20	24° O 52'48		evening set	-12745 Jan 11 j 23:30	5° O 18'37	
min. Earth dist.	-12746 Feb 08 j 13:55	21° O 23'05	0.55846 AU	inferior conj	-12745 Jan 20 j 23:49	1° O 16'28	2°03'08
inferior conj	-12746 Feb 10 j 01:00	20° O 31'01	0°20'55	minimum elong	-12745 Jan 21 j 04:39	1° O 09'34	2°01'18
minimum elong	-12746 Feb 10 j 01:51	20° O 29'46	0°20'00	min. Earth dist.	-12745 Jan 21 j 04:08	1° O 10'18	0.55470 AU
desc. node	-12746 Feb 11 j 09:59	19° O 42'28			-12745 Jan 23 j 06:11	30° RO	
morning rise	-12746 Feb 19 j 05:15	16° O 26'45		desc. node	-12745 Jan 29 j 06:40	27° O 23'59	
direct	-12746 Feb 21 j 09:42	16° O 14'56		morning rise	-12745 Jan 30 j 09:38	27° O 08'06	
morning max el	-12746 Mar 04 j 04:49	21° O 23'04	20°21'26	direct	-12745 Feb 02 j 01:53	26° O 51'58	
	-12746 Mar 11 j 04:34	0° O			-12745 Feb 10 j 23:56	0° O	
morning set	-12746 Mar 22 j 14:49	20° O 47'38		morning max el	-12745 Feb 14 j 10:12	2° O 50'09	21°43'23
asc. node	-12746 Mar 22 j 20:29	21° O 16'26			-12745 Mar 04 j 05:38	0° O	
	-12746 Mar 27 j 02:42	0° B		morning set	-12745 Mar 06 j 23:46	5° O 36'16	
				asc. node	-12745 Mar 09 j 17:36	11° O 19'50	
superior conj	-12746 Mar 30 j 10:41	6° B 47'20	1°04'34				
minimum elong	-12746 Mar 30 j 08:02	6° B 33'58	1°03'21	superior conj	-12745 Mar 14 j 09:18	21° O 06'04	0°41'56
max. Earth dist.	-12746 Apr 04 j 05:56	16° B 17'15	1.36203 AU	minimum elong	-12745 Mar 14 j 07:31	20° O 56'48	0°40'49
evening rise	-12746 Apr 08 j 12:18	24° B 20'44		max. Earth dist.	-12745 Mar 17 j 21:02	28° O 16'33	1.34843 AU
	-12746 Apr 11 j 15:13	0° B			-12745 Mar 18 j 17:32	0° B	
	-12746 Apr 30 j 11:58	0° H		evening rise	-12745 Mar 22 j 16:11	7° B 44'56	
desc. node	-12746 May 10 j 09:01	12° H 40'04			-12745 Apr 04 j 05:54	0° B	
evening max el	-12746 May 14 j 06:04	16° H 49'07	26°06'15	evening max el	-12745 Apr 26 j 16:57	0° H 06'20	26°58'48
retrograde	-12746 May 26 j 19:26	24° H 06'44			-12745 Apr 26 j 14:22	0° H	
evening set	-12746 Jun 02 j 03:02	21° H 23'24		desc. node	-12745 Apr 27 j 06:25	0° H 39'03	
min. Earth dist.	-12746 Jun 06 j 06:07	16° H 51'09	0.66185 AU	retrograde	-12745 May 09 j 22:27	7° H 37'27	
inferior conj	-12746 Jun 07 j 14:27	15° H 08'27	-2°50'22	evening set	-12745 May 16 j 16:06	4° H 51'24	
minimum elong	-12746 Jun 07 j 16:34	15° H 01'45	2°50'09	min. Earth dist.	-12745 May 20 j 12:22	0° H 57'19	0.65106 AU
morning rise	-12746 Jun 13 j 06:12	9° H 16'18			-12745 May 21 j 07:59	30° RB	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12745 May 22 j 10:59	28° \approx 40'05	-3°11'51	morning rise	-12744 May 11 j 06:54	6° \approx 41'34	
minimum elong	-12745 May 22 j 12:32	28° \approx 35'31	3°12'07	direct	-12744 May 14 j 02:44	6° \approx 00'59	
morning rise	-12745 May 28 j 09:19	23° \approx 02'46		morning max el	-12744 May 20 j 14:16	9° \approx 25'21	18°08'22
direct	-12745 May 31 j 10:43	22° \approx 11'00		asc. node	-12744 May 22 j 14:38	11° \approx 39'16	
asc. node	-12745 Jun 05 j 17:53	24° \approx 35'04			-12744 Jun 03 j 10:27	0° \approx	
morning max el	-12745 Jun 07 j 01:08	25° \approx 48'11	18°31'55	morning set	-12744 Jun 07 j 07:47	6° \approx 40'55	
	-12745 Jun 10 j 14:18	0° \approx					
morning set	-12745 Jun 26 j 21:36	25° \approx 38'33		superior conj	-12744 Jun 20 j 07:15	28° \approx 31'35	1°36'15
	-12745 Jun 29 j 13:25	0° \approx		minimum elong	-12744 Jun 20 j 12:13	28° \approx 51'54	1°35'54
					-12744 Jun 21 j 04:53	0° \approx	
superior conj	-12745 Jul 11 j 17:37	19° \approx 37'37	1°07'50	max. Earth dist.	-12744 Jun 25 j 11:10	6° \approx 53'45	1.43781 AU
minimum elong	-12745 Jul 12 j 00:09	20° \approx 03'36	1°07'27	evening rise	-12744 Jul 06 j 12:50	24° \approx 21'19	
max. Earth dist.	-12745 Jul 13 j 20:33	22° \approx 59'51	1.44486 AU	desc. node	-12744 Jul 10 j 00:08	29° \approx 43'33	
	-12745 Jul 18 j 06:47	0° \approx			-12744 Jul 10 j 04:24	0° \approx	
desc. node	-12745 Jul 24 j 02:35	9° \approx 11'01			-12744 Jul 30 j 22:33	0° \approx	
evening rise	-12745 Jul 28 j 06:58	15° \approx 46'11		evening max el	-12744 Aug 02 j 16:14	3° \approx 03'38	20°17'08
	-12745 Aug 06 j 08:48	0° \approx		retrograde	-12744 Aug 10 j 10:34	7° \approx 34'44	
evening max el	-12745 Aug 20 j 11:42	19° \approx 35'20	19°20'05	evening set	-12744 Aug 14 j 03:39	6° \approx 15'14	
retrograde	-12745 Aug 27 j 13:48	23° \approx 37'58		asc. node	-12744 Aug 18 j 15:58	1° \approx 26'55	
evening set	-12745 Aug 30 j 20:26	22° \approx 35'54		inferior conj	-12744 Aug 19 j 14:21	0° \approx 12'43	0°17'24
asc. node	-12745 Sep 01 j 19:05	21° \approx 02'47		minimum elong	-12744 Aug 19 j 13:57	0° \approx 14'04	0°17'57
inferior conj	-12745 Sep 05 j 13:00	16° \approx 43'02	1°09'09		-12744 Aug 19 j 18:09	30° \approx	
minimum elong	-12745 Sep 05 j 11:25	16° \approx 48'05	1°09'21	min. Earth dist.	-12744 Aug 20 j 10:25	29° \approx 05'40	0.66577 AU
min. Earth dist.	-12745 Sep 06 j 20:19	15° \approx 03'39	0.65810 AU	morning rise	-12744 Aug 25 j 00:02	23° \approx 51'29	
morning rise	-12745 Sep 11 j 02:02	10° \approx 25'47		direct	-12744 Aug 30 j 12:44	21° \approx 30'39	
direct	-12745 Sep 17 j 04:49	7° \approx 51'01		morning max el	-12744 Sep 11 j 02:53	28° \approx 24'45	24°51'27
morning max el	-12745 Sep 29 j 16:52	15° \approx 08'47	26°04'56		-12744 Sep 12 j 15:29	0° \approx	
	-12745 Oct 12 j 00:52	0° \approx			-12744 Oct 04 j 19:14	0° \approx	
desc. node	-12745 Oct 20 j 01:04	11° \approx 37'22		desc. node	-12744 Oct 05 j 21:56	1° \approx 44'19	
	-12745 Oct 31 j 06:05	0° \approx		morning set	-12744 Oct 16 j 22:44	20° \approx 04'51	
morning set	-12745 Nov 04 j 16:25	7° \approx 58'24		max. Earth dist.	-12744 Oct 20 j 21:07	27° \approx 08'14	1.37664 AU
max. Earth dist.	-12745 Nov 08 j 18:42	15° \approx 43'11	1.35906 AU		-12744 Oct 22 j 10:21	0° \approx	
superior conj	-12745 Nov 13 j 20:06	25° \approx 45'18	-1°35'02	superior conj	-12744 Oct 27 j 08:28	9° \approx 22'23	-1°36'05
minimum elong	-12745 Nov 13 j 20:51	25° \approx 49'09	1°34'33	minimum elong	-12744 Oct 27 j 07:50	9° \approx 19'18	1°35'25
	-12745 Nov 15 j 22:00	0° \approx		evening rise	-12744 Nov 04 j 16:26	25° \approx 55'46	
evening rise	-12745 Nov 21 j 13:30	11° \approx 37'54			-12744 Nov 06 j 17:47	0° \approx	
asc. node	-12745 Nov 28 j 17:29	25° \approx 32'35		asc. node	-12744 Nov 14 j 14:51	14° \approx 15'12	
	-12745 Dec 01 j 08:00	0° \approx		evening max el	-12744 Nov 21 j 18:00	23° \approx 25'39	19°18'36
evening max el	-12745 Dec 10 j 02:50	11° \approx 24'01	20°22'15	retrograde	-12744 Nov 30 j 18:52	27° \approx 43'26	
retrograde	-12745 Dec 20 j 15:04	16° \approx 20'07		evening set	-12744 Dec 03 j 07:16	27° \approx 24'55	
evening set	-12745 Dec 23 j 07:13	16° \approx 02'20		inferior conj	-12744 Dec 11 j 11:48	23° \approx 12'08	4°09'22
inferior conj	-12745 Dec 31 j 23:22	12° \approx 01'46	3°25'15	minimum elong	-12744 Dec 11 j 14:18	23° \approx 07'55	4°09'16
minimum elong	-12744 Jan 01 j 04:54	11° \approx 53'28	3°23'59	min. Earth dist.	-12744 Dec 14 j 06:44	21° \approx 19'45	0.57160 AU
min. Earth dist.	-12744 Jan 02 j 17:08	10° \approx 59'12	0.55950 AU	morning rise	-12744 Dec 19 j 19:15	18° \approx 21'36	
morning rise	-12744 Jan 10 j 00:59	7° \approx 35'26		direct	-12744 Dec 24 j 21:38	17° \approx 21'43	
direct	-12744 Jan 13 j 18:52	7° \approx 04'34		desc. node	-12743 Jan 01 j 23:51	19° \approx 50'41	
desc. node	-12744 Jan 16 j 03:17	7° \approx 17'07		morning max el	-12743 Jan 07 j 20:26	24° \approx 25'15	24°53'29
morning max el	-12744 Jan 27 j 05:34	13° \approx 43'12	23°17'50		-12743 Jan 12 j 23:06	0° \approx	
	-12744 Feb 08 j 14:50	0° \approx			-12743 Jan 31 j 05:44	0° \approx	
morning set	-12744 Feb 19 j 11:26	20° \approx 36'24		morning set	-12743 Feb 02 j 23:58	5° \approx 41'28	
	-12744 Feb 23 j 21:30	0° \approx					
asc. node	-12744 Feb 24 j 14:47	1° \approx 32'39		superior conj	-12743 Feb 09 j 23:29	20° \approx 42'33	-0°04'56
				minimum elong	-12743 Feb 09 j 23:43	20° \approx 43'47	0°05'30
superior conj	-12744 Feb 26 j 14:19	5° \approx 46'55	0°18'25	behind sun begin	-12743 Feb 09 j 18:56	20° \approx 17'51	
minimum elong	-12744 Feb 26 j 13:33	5° \approx 42'52	0°17'32	behind sun end	-12743 Feb 10 j 04:30	21° \approx 09'43	
max. Earth dist.	-12744 Feb 28 j 21:55	10° \approx 41'32	1.33829 AU	asc. node	-12743 Feb 10 j 12:04	21° \approx 50'38	
evening rise	-12744 Mar 05 j 08:00	21° \approx 47'16		max. Earth dist.	-12743 Feb 11 j 06:16	23° \approx 28'59	1.33162 AU
	-12744 Mar 09 j 14:15	0° \approx			-12743 Feb 14 j 07:33	0° \approx	
	-12744 Mar 28 j 02:06	0° \approx		evening rise	-12743 Feb 17 j 08:16	6° \approx 16'40	
evening max el	-12744 Apr 08 j 03:18	13° \approx 07'33	27°25'26		-12743 Mar 02 j 04:49	0° \approx	
desc. node	-12744 Apr 13 j 03:42	17° \approx 23'08		evening max el	-12743 Mar 21 j 11:09	25° \approx 41'59	27°20'57
retrograde	-12744 Apr 21 j 19:42	20° \approx 43'12			-12743 Mar 26 j 14:46	0° \approx	
evening set	-12744 Apr 28 j 17:53	18° \approx 06'31		desc. node	-12743 Mar 31 j 00:51	2° \approx 23'37	
min. Earth dist.	-12744 May 02 j 10:15	14° \approx 45'09	0.63634 AU	retrograde	-12743 Apr 04 j 10:34	3° \approx 15'36	
inferior conj	-12744 May 04 j 23:31	12° \approx 01'45	-3°21'47	evening set	-12743 Apr 11 j 05:08	1° \approx 01'22	
minimum elong	-12744 May 04 j 23:57	12° \approx 00'37	3°22'24		-12743 Apr 12 j 15:30	30° \approx	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12743 Apr 14 j 23:14	28° Z 02'01	0.61831 AU	min. Earth dist.	-12742 Mar 28 j 03:58	10° Z 33'58	0.59853 AU
inferior conj	-12743 Apr 18 j 00:58	25° Z 07'27	-3°16'18	inferior conj	-12742 Mar 31 j 11:47	7° Z 49'11	-2°50'07
minimum elong	-12743 Apr 17 j 23:48	25° Z 10'15	3°16'58	minimum elong	-12742 Mar 31 j 08:59	7° Z 55'00	2°50'27
morning rise	-12743 Apr 24 j 20:11	20° Z 06'04		morning rise	-12742 Apr 07 j 21:44	3° Z 07'18	
direct	-12743 Apr 27 j 11:09	19° Z 35'12		direct	-12742 Apr 10 j 08:05	2° Z 44'40	
morning max el	-12743 May 04 j 04:08	22° Z 58'16	18°03'05	morning max el	-12742 Apr 17 j 15:56	6° Z 19'11	18°16'42
asc. node	-12743 May 09 j 11:26	29° Z 38'18		asc. node	-12742 Apr 26 j 08:18	18° Z 19'37	
	-12743 May 09 j 17:13	0° \approx			-12742 May 02 j 19:10	0° \approx	
morning set	-12743 May 20 j 16:12	18° \approx 47'29		morning set	-12742 May 03 j 18:10	1° \approx 47'45	
	-12743 May 26 j 22:44	0° H					
superior conj	-12743 May 31 j 22:40	8° H 41'43	1°48'12	superior conj	-12742 May 13 j 16:05	20° \approx 09'50	1°46'15
minimum elong	-12743 May 31 j 23:49	8° H 46'38	1°47'53	minimum elong	-12742 May 13 j 14:21	20° \approx 02'03	1°45'40
max. Earth dist.	-12743 Jun 07 j 20:46	20° H 18'33	1.42489 AU	max. Earth dist.	-12742 May 19 j 05:50	0° H	
	-12743 Jun 13 j 20:42	0° Y			-12742 May 21 j 00:46	3° H 04'07	1.40792 AU
evening rise	-12743 Jun 15 j 13:45	2° Y 42'30		evening rise	-12742 May 26 j 08:03	11° H 55'09	
desc. node	-12743 Jun 26 j 21:42	20° Y 06'02		desc. node	-12742 Jun 06 j 20:19	0° Y	
	-12743 Jul 03 j 16:10	0° B			-12742 Jun 13 j 19:16	10° Y 13'38	
evening max el	-12743 Jul 16 j 13:50	16° B 27'33	21°27'23	evening max el	-12742 Jun 29 j 04:58	29° Y 48'18	22°46'49
retrograde	-12743 Jul 25 j 06:45	21° B 35'35		retrograde	-12742 Jun 29 j 09:38	0° B	
evening set	-12743 Jul 29 j 12:14	19° B 56'05		evening set	-12742 Jul 09 j 00:48	5° B 38'16	
inferior conj	-12743 Aug 03 j 19:04	13° B 46'47	-0°32'11	inferior conj	-12742 Jul 13 j 20:15	3° B 37'26	
minimum elong	-12743 Aug 03 j 19:44	13° B 44'32	0°31'22		-12742 Jul 17 j 03:19	30° R Y	
min. Earth dist.	-12743 Aug 04 j 04:31	13° B 14'18	0.67056 AU	minimum elong	-12742 Jul 19 j 01:20	27° Y 23'55	-1°18'06
asc. node	-12743 Aug 05 j 12:49	11° B 25'08		min. Earth dist.	-12742 Jul 19 j 02:50	27° Y 18'46	1°17'11
morning rise	-12743 Aug 09 j 03:05	7° B 25'35		asc. node	-12742 Jul 19 j 00:10	27° Y 27'57	0.67243 AU
direct	-12743 Aug 14 j 01:49	5° B 21'48		morning rise	-12742 Jul 23 j 09:37	21° Y 59'48	
morning max el	-12743 Aug 24 j 13:21	11° B 40'25	23°28'51	direct	-12742 Jul 24 j 09:19	21° Y 06'40	
	-12743 Sep 08 j 02:54	0° II		morning max el	-12742 Jul 28 j 19:07	19° Y 20'49	
desc. node	-12743 Sep 22 j 18:53	22° II 06'20			-12742 Aug 07 j 02:44	24° Y 57'00	22°05'42
	-12743 Sep 27 j 15:09	0° E			-12742 Aug 11 j 13:09	0° B	
morning set	-12743 Sep 28 j 05:24	0° E 59'22		morning set	-12742 Sep 01 j 15:06	0° II	
max. Earth dist.	-12743 Oct 02 j 19:55	8° E 50'07	1.39628 AU	desc. node	-12742 Sep 08 j 09:54	10° II 38'01	
				max. Earth dist.	-12742 Sep 09 j 15:58	12° II 38'43	
superior conj	-12743 Oct 10 j 06:39	22° E 12'48	-1°28'39		-12742 Sep 14 j 21:51	21° II 14'21	1.41545 AU
minimum elong	-12743 Oct 10 j 04:17	22° E 01'47	1°27'44		-12742 Sep 20 j 01:42	0° E	
	-12743 Oct 14 j 09:58	0° O		superior conj	-12742 Sep 22 j 09:23	4° E 02'42	-1°10'37
evening rise	-12743 Oct 19 j 12:10	9° O 47'27		minimum elong	-12742 Sep 22 j 05:35	3° E 45'59	1°09'26
	-12743 Oct 30 j 21:52	0° P		evening rise	-12742 Oct 02 j 21:30	23° E 05'30	
asc. node	-12743 Nov 01 j 12:11	2° P 13'12			-12742 Oct 06 j 15:43	0° O	
evening max el	-12743 Nov 04 j 18:52	5° P 59'08	18°35'00	evening max el	-12742 Oct 19 j 03:04	18° O 57'33	18°11'34
retrograde	-12743 Nov 12 j 15:41	9° P 50'12		asc. node	-12742 Oct 19 j 09:28	19° O 13'08	
evening set	-12743 Nov 15 j 02:45	9° P 28'55		retrograde	-12742 Oct 26 j 05:18	22° O 34'01	
inferior conj	-12743 Nov 22 j 18:46	4° P 56'39	4°15'56	evening set	-12742 Oct 28 j 16:49	22° O 08'17	
minimum elong	-12743 Nov 22 j 17:36	4° P 58'55	4°16'14	inferior conj	-12742 Nov 04 j 20:24	17° O 14'17	3°55'08
min. Earth dist.	-12743 Nov 25 j 23:12	2° P 29'10	0.58840 AU	minimum elong	-12742 Nov 04 j 17:04	17° O 21'45	3°55'11
	-12743 Nov 29 j 18:17	30° R O		min. Earth dist.	-12742 Nov 07 j 21:42	14° O 31'41	0.60684 AU
morning rise	-12743 Nov 30 j 06:34	29° O 43'49		morning rise	-12742 Nov 11 j 15:54	11° O 42'04	
direct	-12743 Dec 06 j 12:26	28° O 06'25		direct	-12742 Nov 18 j 13:20	9° O 31'01	
	-12743 Dec 13 j 09:58	0° P		morning max el	-12742 Dec 02 j 11:49	16° O 54'01	27°11'19
desc. node	-12743 Dec 19 j 20:24	4° P 43'04		desc. node	-12742 Dec 06 j 16:57	21° O 21'16	
morning max el	-12743 Dec 20 j 13:11	5° P 22'26	26°15'39		-12742 Dec 13 j 10:56	0° P	
	-12742 Jan 07 j 16:10	0° U			-12742 Dec 31 j 01:56	0° U	
morning set	-12742 Jan 18 j 11:33	20° U 43'54		morning set	-12741 Jan 02 j 20:18	5° U 36'54	
	-12742 Jan 22 j 19:32	0° M					
superior conj	-12742 Jan 25 j 10:52	5° M 45'19	-0°27'13	superior conj	-12741 Jan 09 j 22:45	20° U 48'57	-0°47'46
minimum elong	-12742 Jan 25 j 11:56	5° M 51'09	0°27'29	minimum elong	-12741 Jan 10 j 00:25	20° U 58'06	0°47'47
max. Earth dist.	-12742 Jan 25 j 18:48	6° M 28'40	1.32828 AU	max. Earth dist.	-12741 Jan 09 j 07:59	19° U 28'23	1.32826 AU
	-12742 Jan 28 j 09:23	12° M 08'52			-12741 Jan 14 j 04:04	0° M	
evening rise	-12742 Feb 01 j 14:10	21° M 03'05		asc. node	-12741 Jan 15 j 06:45	2° M 23'08	
	-12742 Feb 06 j 01:16	0° J		evening rise	-12741 Jan 16 j 23:34	5° M 58'52	
	-12742 Feb 24 j 17:23	0° Z			-12741 Jan 29 j 19:51	0° J	
evening max el	-12742 Mar 03 j 14:30	7° Z 41'29	26°43'44	evening max el	-12741 Feb 13 j 12:23	19° J 04'50	25°37'01
retrograde	-12742 Mar 17 j 17:27	15° Z 07'08		retrograde	-12741 Feb 27 j 13:56	26° J 15'32	
desc. node	-12742 Mar 17 j 21:55	15° Z 07'02		evening set	-12741 Mar 04 j 21:53	25° J 07'51	
evening set	-12742 Mar 23 j 22:53	13° Z 25'17		desc. node	-12741 Mar 04 j 18:54	25° J 10'55	
				min. Earth dist.	-12741 Mar 10 j 01:58	22° J 11'06	0.57954 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12741 Mar 13 j 04:29	19°♄58'07	-1°57'25	inferior conj	-12740 Feb 22 j 01:32	1°♄29'31	-0°36'04
minimum elong	-12741 Mar 13 j 01:09	20°♄04'07	1°57'23	minimum elong	-12740 Feb 22 j 00:07	1°♄31'45	0°36'21
morning rise	-12741 Mar 21 j 07:37	15°♄35'12			-12740 Feb 24 j 12:15	30°♄	
direct	-12741 Mar 23 j 13:41	15°♄18'58		morning rise	-12740 Mar 01 j 21:55	27°♄21'37	
morning max el	-12741 Mar 31 j 22:39	19°♄18'49	18°49'43	direct	-12740 Mar 04 j 01:24	27°♄09'15	
	-12741 Apr 08 j 22:56	0°♄			-12740 Mar 11 j 18:03	0°♄	
asc. node	-12741 Apr 13 j 05:13	7°♄32'53		morning max el	-12740 Mar 13 j 21:24	1°♄48'44	19°42'26
morning set	-12741 Apr 17 j 09:03	15°♄30'04		asc. node	-12740 Mar 30 j 02:12	27°♄10'52	
	-12741 Apr 24 j 20:20	0°♄		morning set	-12740 Mar 31 j 09:12	29°♄45'15	
					-12740 Mar 31 j 12:09	0°♄	
superior conj	-12741 Apr 26 j 06:34	2°♄42'47	1°34'32	superior conj	-12740 Apr 08 j 12:54	16°♄07'09	1°16'37
minimum elong	-12741 Apr 26 j 03:37	2°♄28'47	1°33'35	minimum elong	-12740 Apr 08 j 09:56	15°♄52'27	1°15'27
max. Earth dist.	-12741 May 03 j 01:17	15°♄10'42	1.38924 AU	max. Earth dist.	-12740 Apr 14 j 03:15	26°♄54'37	1.37126 AU
evening rise	-12741 May 07 j 05:30	22°♄28'48			-12740 Apr 15 j 19:06	0°♄	
	-12741 May 11 j 16:57	0°♄		evening rise	-12740 Apr 18 j 04:30	4°♄21'19	
desc. node	-12741 May 31 j 16:52	29°♄59'19			-12740 May 03 j 16:30	0°♄	
	-12741 May 31 j 17:04	0°♄		desc. node	-12740 May 17 j 14:24	19°♄14'17	
evening max el	-12741 Jun 11 j 15:50	13°♄07'55	24°09'24	evening max el	-12740 May 24 j 01:22	26°♄28'44	25°27'05
retrograde	-12741 Jun 22 j 15:35	19°♄38'40			-12740 May 27 j 23:41	0°♄	
evening set	-12741 Jun 28 j 01:46	17°♄17'26		retrograde	-12740 Jun 05 j 02:22	3°♄32'44	
inferior conj	-12741 Jul 03 j 07:21	11°♄01'49	-1°59'04	evening set	-12740 Jun 11 j 02:48	0°♄55'07	
minimum elong	-12741 Jul 03 j 09:23	10°♄54'54	1°58'17		-12740 Jun 12 j 01:55	30°♄	
min. Earth dist.	-12741 Jul 02 j 18:56	11°♄44'06	0.67112 AU	min. Earth dist.	-12740 Jun 15 j 10:32	26°♄00'33	0.66633 AU
morning rise	-12741 Jul 08 j 16:56	4°♄52'05		inferior conj	-12740 Jun 16 j 11:18	24°♄39'20	-2°33'48
asc. node	-12741 Jul 10 j 06:22	3°♄55'30		minimum elong	-12740 Jun 16 j 13:31	24°♄32'06	2°33'20
direct	-12741 Jul 12 j 15:22	3°♄23'39		morning rise	-12740 Jun 22 j 00:16	18°♄40'11	
morning max el	-12741 Jul 20 j 21:32	8°♄17'39	20°49'03	direct	-12740 Jun 25 j 13:06	17°♄27'36	
	-12741 Aug 06 j 01:55	0°♄		asc. node	-12740 Jun 26 j 03:06	17°♄29'30	
morning set	-12741 Aug 18 j 17:59	19°♄20'13		morning max el	-12740 Jul 02 j 22:53	21°♄45'13	19°43'51
	-12741 Aug 25 j 12:07	0°♄			-12740 Jul 09 j 13:54	0°♄	
desc. node	-12741 Aug 27 j 13:11	3°♄17'06		morning set	-12740 Jul 27 j 22:27	27°♄53'59	
max. Earth dist.	-12741 Aug 28 j 06:14	4°♄26'01	1.43137 AU		-12740 Jul 29 j 06:41	0°♄	
				max. Earth dist.	-12740 Aug 09 j 19:57	18°♄12'13	1.44187 AU
superior conj	-12741 Sep 03 j 10:55	14°♄37'09	-0°40'30	superior conj	-12740 Aug 13 j 08:55	23°♄51'47	0°00'24
minimum elong	-12741 Sep 03 j 07:28	14°♄22'43	0°39'18	minimum elong	-12740 Aug 13 j 09:02	23°♄52'18	0°01'04
	-12741 Sep 12 j 10:48	0°♄		behind sun begin	-12740 Aug 12 j 22:08	23°♄08'31	
evening rise	-12741 Sep 15 j 16:12	5°♄39'34		behind sun end	-12740 Aug 13 j 19:57	24°♄36'08	
	-12741 Sep 30 j 16:14	0°♄		desc. node	-12740 Aug 13 j 10:31	23°♄58'14	
evening max el	-12741 Oct 02 j 15:33	2°♄12'53	18°07'38		-12740 Aug 17 j 04:04	0°♄	
asc. node	-12741 Oct 06 j 06:40	4°♄59'13		evening rise	-12740 Aug 27 j 14:55	17°♄16'42	
retrograde	-12741 Oct 09 j 08:13	5°♄45'23			-12740 Sep 04 j 05:42	0°♄	
evening set	-12741 Oct 11 j 22:06	5°♄13'14		evening max el	-12740 Sep 15 j 05:21	15°♄38'34	18°22'11
inferior conj	-12741 Oct 18 j 14:02	29°♄58'53	3°17'27	retrograde	-12740 Sep 21 j 20:14	19°♄16'07	
minimum elong	-12741 Oct 18 j 10:11	0°♄08'40	3°17'14	asc. node	-12740 Sep 22 j 03:47	19°♄15'35	
	-12741 Oct 18 j 13:36	30°♄		evening set	-12740 Sep 24 j 14:43	18°♄34'59	
min. Earth dist.	-12741 Oct 21 j 05:15	27°♄19'38	0.62440 AU	inferior conj	-12740 Sep 30 j 20:18	13°♄03'16	2°30'31
morning rise	-12741 Oct 24 j 21:13	24°♄09'38		minimum elong	-12740 Sep 30 j 16:58	13°♄12'37	2°30'17
direct	-12741 Oct 31 j 22:26	21°♄36'22		min. Earth dist.	-12740 Oct 02 j 23:03	10°♄40'55	0.63972 AU
morning max el	-12741 Nov 14 j 16:45	29°♄05'18	27°33'30	morning rise	-12740 Oct 06 j 18:28	6°♄59'58	
	-12741 Nov 15 j 14:55	0°♄		direct	-12740 Oct 13 j 14:51	4°♄17'26	
desc. node	-12741 Nov 23 j 13:32	9°♄16'02		morning max el	-12740 Oct 27 j 01:48	11°♄49'26	27°21'31
	-12741 Dec 07 j 05:19	0°♄		desc. node	-12740 Nov 09 j 10:08	28°♄05'05	
morning set	-12741 Dec 18 j 00:06	20°♄13'03			-12740 Nov 10 j 18:05	0°♄	
	-12741 Dec 22 j 16:48	0°♄			-12740 Nov 28 j 14:05	0°♄	
max. Earth dist.	-12741 Dec 23 j 18:10	2°♄15'38	1.33167 AU	morning set	-12740 Nov 30 j 20:13	4°♄22'30	
				max. Earth dist.	-12740 Dec 05 j 21:26	14°♄37'13	1.33895 AU
superior conj	-12741 Dec 25 j 09:27	5°♄47'25	-1°05'54	superior conj	-12740 Dec 08 j 17:06	20°♄33'26	-1°20'47
minimum elong	-12741 Dec 25 j 11:26	5°♄58'07	1°05'43	minimum elong	-12740 Dec 08 j 18:59	20°♄43'27	1°20'27
evening rise	-12740 Jan 01 j 10:39	20°♄57'28			-12740 Dec 13 j 03:11	0°♄	
asc. node	-12740 Jan 02 j 04:09	22°♄29'00		evening rise	-12740 Dec 15 j 21:41	5°♄51'51	
	-12740 Jan 05 j 21:21	0°♄		asc. node	-12740 Dec 19 j 01:33	12°♄20'39	
	-12740 Jan 26 j 05:02	0°♄			-12740 Dec 29 j 01:37	0°♄	
evening max el	-12740 Jan 26 j 06:10	0°♄02'41	24°10'04	evening max el	-12739 Jan 07 j 00:06	10°♄55'02	22°35'53
retrograde	-12740 Feb 08 j 22:28	6°♄48'47		retrograde	-12739 Jan 19 j 19:25	17°♄03'43	
evening set	-12740 Feb 13 j 05:07	6°♄08'01					
desc. node	-12740 Feb 19 j 15:46	2°♄59'48					
min. Earth dist.	-12740 Feb 19 j 19:31	2°♄54'02	0.56434 AU				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12739 Jan 23 j 04:14	16° \mathbb{M} 38'50		inferior conj	-12738 Jan 12 j 03:25	23° \mathbb{Q} 09'40	2°41'52
min. Earth dist.	-12739 Jan 31 j 10:44	12° \mathbb{M} 54'36	0.55579 AU	minimum elong	-12738 Jan 12 j 09:05	23° \mathbb{Q} 01'27	2°40'06
inferior conj	-12739 Feb 01 j 05:53	12° \mathbb{M} 26'56	1°04'57	min. Earth dist.	-12738 Jan 13 j 00:43	22° \mathbb{Q} 38'53	0.55573 AU
minimum elong	-12739 Feb 01 j 08:35	12° \mathbb{M} 23'01	1°03'33	morning rise	-12738 Jan 21 j 11:21	18° \mathbb{Q} 54'32	
desc. node	-12739 Feb 05 j 12:29	10° \mathbb{M} 07'26		desc. node	-12738 Jan 23 j 09:08	18° \mathbb{Q} 36'49	
morning rise	-12739 Feb 10 j 14:06	8° \mathbb{M} 23'10		direct	-12738 Jan 24 j 12:44	18° \mathbb{Q} 33'50	
direct	-12739 Feb 12 j 21:37	8° \mathbb{M} 10'35		morning max el	-12738 Feb 06 j 10:25	24° \mathbb{Q} 51'42	22°22'27
morning max el	-12739 Feb 24 j 09:34	13° \mathbb{M} 40'03	20°54'21		-12738 Feb 11 j 01:55	0° \mathbb{M}	
	-12739 Mar 08 j 04:54	0° \mathbb{A}		morning set	-12738 Feb 28 j 01:57	29° \mathbb{M} 17'49	
morning set	-12739 Mar 15 j 15:37	14° \mathbb{A} 23'40			-12738 Feb 28 j 10:03	0° \mathbb{A}	
asc. node	-12739 Mar 16 j 23:16	17° \mathbb{A} 06'27		asc. node	-12738 Mar 03 j 20:24	7° \mathbb{A} 14'20	
superior conj	-12739 Mar 23 j 06:36	0° \mathbb{Z} 09'09	0°55'09	superior conj	-12738 Mar 07 j 08:15	14° \mathbb{A} 38'28	0°32'00
minimum elong	-12739 Mar 23 j 04:17	29° \mathbb{A} 57'18	0°53'58	minimum elong	-12738 Mar 07 j 06:54	14° \mathbb{A} 31'20	0°30'58
	-12739 Mar 23 j 04:48	0° \mathbb{Z}		max. Earth dist.	-12738 Mar 10 j 07:18	20° \mathbb{A} 48'48	1.34371 AU
max. Earth dist.	-12739 Mar 27 j 12:12	8° \mathbb{Z} 40'21	1.35579 AU		-12738 Mar 14 j 20:51	0° \mathbb{Z}	
evening rise	-12739 Mar 31 j 23:24	17° \mathbb{Z} 16'38		evening rise	-12738 Mar 15 j 08:54	0° \mathbb{Z} 58'52	
	-12739 Apr 08 j 01:09	0° \mathbb{A}			-12738 Apr 01 j 01:09	0° \mathbb{A}	
	-12739 Apr 27 j 22:20	0° \mathbb{H}		evening max el	-12738 Apr 18 j 22:20	23° \mathbb{A} 00'02	27°13'41
desc. node	-12739 May 04 j 11:51	7° \mathbb{H} 45'38		desc. node	-12738 Apr 21 j 09:12	25° \mathbb{A} 15'42	
evening max el	-12739 May 06 j 11:29	9° \mathbb{H} 48'23	26°31'17		-12738 Apr 29 j 00:40	0° \mathbb{H}	
retrograde	-12739 May 19 j 08:33	17° \mathbb{H} 13'53		retrograde	-12738 May 02 j 09:25	0° \mathbb{H} 34'41	
evening set	-12739 May 25 j 21:00	14° \mathbb{H} 27'43			-12738 May 05 j 14:00	30° \mathbb{R} \mathbb{A}	
min. Earth dist.	-12739 May 29 j 20:47	10° \mathbb{H} 12'14	0.65772 AU	evening set	-12738 May 09 j 05:39	27° \mathbb{A} 51'06	
inferior conj	-12739 May 31 j 11:11	8° \mathbb{H} 13'50	-3°00'44	min. Earth dist.	-12738 May 12 j 23:46	24° \mathbb{A} 11'41	0.64519 AU
minimum elong	-12739 May 31 j 13:08	8° \mathbb{H} 07'51	3°00'44	inferior conj	-12738 May 15 j 04:40	21° \mathbb{A} 41'50	-3°17'44
morning rise	-12739 Jun 06 j 05:29	2° \mathbb{H} 27'54		minimum elong	-12738 May 15 j 05:48	21° \mathbb{A} 38'36	3°18'10
direct	-12739 Jun 09 j 10:30	1° \mathbb{H} 29'15		morning rise	-12738 May 21 j 06:31	16° \mathbb{A} 11'26	
asc. node	-12739 Jun 12 j 23:48	2° \mathbb{H} 36'39		direct	-12738 May 24 j 05:19	15° \mathbb{A} 24'44	
morning max el	-12739 Jun 16 j 06:09	5° \mathbb{H} 18'45	18°53'24	morning max el	-12738 May 30 j 17:43	18° \mathbb{A} 55'33	18°19'39
	-12739 Jul 03 j 07:04	0° \mathbb{Y}		asc. node	-12738 May 30 j 20:32	19° \mathbb{A} 02'40	
morning set	-12739 Jul 07 j 17:51	7° \mathbb{Y} 08'57			-12738 Jun 07 j 23:01	0° \mathbb{H}	
	-12739 Jul 22 j 02:07	0° \mathbb{B}		morning set	-12738 Jun 18 j 13:40	17° \mathbb{H} 30'58	
					-12738 Jun 26 j 02:15	0° \mathbb{Y}	
superior conj	-12739 Jul 23 j 11:32	2° \mathbb{B} 12'13	0°45'00	superior conj	-12738 Jul 02 j 15:05	10° \mathbb{Y} 36'28	1°21'53
minimum elong	-12739 Jul 23 j 16:38	2° \mathbb{B} 32'26	0°44'51	minimum elong	-12738 Jul 02 j 21:30	11° \mathbb{Y} 02'14	1°21'29
max. Earth dist.	-12739 Jul 23 j 12:00	2° \mathbb{B} 14'06	1.44570 AU	max. Earth dist.	-12738 Jul 06 j 03:44	16° \mathbb{Y} 14'56	1.44259 AU
desc. node	-12739 Jul 31 j 07:56	14° \mathbb{B} 38'48			-12738 Jul 14 j 20:51	0° \mathbb{B}	
evening rise	-12739 Aug 08 j 12:02	27° \mathbb{B} 42'00		desc. node	-12738 Jul 18 j 05:27	5° \mathbb{B} 15'18	
	-12739 Aug 09 j 22:25	0° \mathbb{I}		evening rise	-12738 Jul 19 j 05:50	6° \mathbb{B} 50'26	
evening max el	-12739 Aug 29 j 17:36	29° \mathbb{I} 09'09	18°54'16	greatest brilliancy	-12738 Jul 30 j 20:18	24° \mathbb{B} 46'09	-0.7m
	-12739 Aug 30 j 14:23	0° \mathbb{E}			-12738 Aug 03 j 08:18	0° \mathbb{I}	
retrograde	-12739 Sep 05 j 13:45	3° \mathbb{E} 00'17		evening max el	-12738 Aug 13 j 01:37	12° \mathbb{I} 39'25	19°42'42
evening set	-12739 Sep 08 j 15:12	2° \mathbb{E} 07'00		retrograde	-12738 Aug 20 j 09:52	16° \mathbb{I} 52'59	
asc. node	-12739 Sep 09 j 00:49	1° \mathbb{E} 52'18		evening set	-12738 Aug 23 j 20:38	15° \mathbb{I} 44'01	
	-12739 Sep 11 j 07:01	30° \mathbb{R} \mathbb{I}		asc. node	-12738 Aug 26 j 21:46	12° \mathbb{I} 55'32	
inferior conj	-12739 Sep 14 j 12:01	26° \mathbb{I} 21'08	1°39'20	inferior conj	-12738 Aug 29 j 10:30	9° \mathbb{I} 47'01	0°47'04
minimum elong	-12739 Sep 14 j 09:45	26° \mathbb{I} 28'05	1°39'19	minimum elong	-12738 Aug 29 j 09:25	9° \mathbb{I} 50'31	0°47'24
min. Earth dist.	-12739 Sep 16 j 02:18	24° \mathbb{I} 24'15	0.65220 AU	min. Earth dist.	-12738 Aug 30 j 13:01	8° \mathbb{I} 20'46	0.66169 AU
morning rise	-12739 Sep 20 j 03:46	20° \mathbb{I} 07'42		morning rise	-12738 Sep 03 j 21:52	3° \mathbb{I} 27'35	
direct	-12739 Sep 26 j 13:55	17° \mathbb{I} 27'16		direct	-12738 Sep 09 j 18:52	0° \mathbb{I} 57'49	
morning max el	-12739 Oct 09 j 12:12	24° \mathbb{I} 54'10	26°39'43	morning max el	-12738 Sep 21 j 22:12	8° \mathbb{I} 07'18	25°35'20
	-12739 Oct 14 j 05:18	0° \mathbb{E}			-12738 Oct 09 j 04:39	0° \mathbb{E}	
desc. node	-12739 Oct 27 j 06:49	17° \mathbb{E} 32'56		desc. node	-12738 Oct 14 j 03:36	7° \mathbb{E} 27'45	
	-12739 Nov 04 j 03:41	0° \mathbb{Q}		morning set	-12738 Oct 27 j 22:45	0° \mathbb{Q} 35'56	
morning set	-12739 Nov 14 j 05:15	17° \mathbb{Q} 54'43			-12738 Oct 27 j 14:47	0° \mathbb{Q}	
max. Earth dist.	-12739 Nov 18 j 14:42	26° \mathbb{Q} 27'27	1.35047 AU	max. Earth dist.	-12738 Oct 31 j 21:22	7° \mathbb{Q} 53'37	1.36614 AU
	-12739 Nov 20 j 08:59	0° \mathbb{M}					
superior conj	-12739 Nov 22 j 19:33	5° \mathbb{M} 00'01	-1°31'23	superior conj	-12738 Nov 06 j 14:03	18° \mathbb{Q} 58'01	-1°36'24
minimum elong	-12739 Nov 22 j 20:53	5° \mathbb{M} 06'52	1°30'57	minimum elong	-12738 Nov 06 j 14:17	18° \mathbb{Q} 59'11	1°35'51
evening rise	-12739 Nov 30 j 07:04	20° \mathbb{M} 36'36			-12738 Nov 12 j 00:51	0° \mathbb{M}	
	-12739 Dec 04 j 23:27	0° \mathbb{Q}		evening rise	-12738 Nov 14 j 12:54	5° \mathbb{M} 05'34	
asc. node	-12739 Dec 05 j 22:57	1° \mathbb{Q} 51'46		asc. node	-12738 Nov 22 j 20:21	20° \mathbb{M} 54'33	
evening max el	-12739 Dec 19 j 23:51	22° \mathbb{Q} 05'26	21°07'09		-12738 Nov 28 j 22:24	0° \mathbb{Q}	
retrograde	-12739 Dec 31 j 09:59	27° \mathbb{Q} 27'29		evening max el	-12738 Dec 02 j 09:07	3° \mathbb{Q} 47'19	19°52'51
evening set	-12738 Jan 03 j 05:50	27° \mathbb{Q} 08'57		retrograde	-12738 Dec 12 j 05:27	8° \mathbb{Q} 25'11	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12738 Dec 14 j 19:45	8° Ω 07'22		superior conj	-12737 Oct 20 j 20:58	2° Ω 16'44	-1°34'06
inferior conj	-12738 Dec 23 j 07:15	4° Ω 03'20	3°48'56	minimum elong	-12737 Oct 20 j 19:36	2° Ω 10'16	1°33'21
minimum elong	-12738 Dec 23 j 11:47	3° Ω 56'12	3°48'11	evening rise	-12737 Oct 29 j 13:05	19° Ω 12'55	
min. Earth dist.	-12738 Dec 25 j 13:49	2° Ω 38'06	0.56395 AU		-12737 Nov 04 j 04:11	0° \mathbb{N}	
	-12738 Dec 30 j 13:24	30° \mathbb{R} \mathbb{N}		asc. node	-12737 Nov 09 j 17:43	9° \mathbb{N} 19'31	
morning rise	-12737 Jan 01 j 01:51	29° \mathbb{N} 26'50		evening max el	-12737 Nov 15 j 04:37	16° \mathbb{N} 02'53	18°57'32
direct	-12737 Jan 05 j 09:47	28° \mathbb{N} 44'59		retrograde	-12737 Nov 23 j 16:12	20° \mathbb{N} 07'39	
desc. node	-12737 Jan 10 j 05:43	29° \mathbb{N} 38'22		evening set	-12737 Nov 26 j 03:59	19° \mathbb{N} 48'00	
	-12737 Jan 11 j 03:23	0° Ω		inferior conj	-12737 Dec 04 j 03:10	15° \mathbb{N} 27'12	4°16'14
morning max el	-12737 Jan 19 j 02:52	5° Ω 36'17	23°59'04	minimum elong	-12737 Dec 04 j 04:01	15° \mathbb{N} 25'42	4°16'25
	-12737 Feb 05 j 08:21	0° \mathbb{L}		min. Earth dist.	-12737 Dec 07 j 03:53	13° \mathbb{N} 17'59	0.57840 AU
morning set	-12737 Feb 12 j 14:13	14° \mathbb{L} 21'00		morning rise	-12737 Dec 12 j 02:06	10° \mathbb{N} 27'14	
asc. node	-12737 Feb 18 j 17:37	27° \mathbb{L} 29'56		direct	-12737 Dec 17 j 17:30	9° \mathbb{N} 11'50	
				desc. node	-12737 Dec 28 j 02:17	13° \mathbb{N} 14'38	
superior conj	-12737 Feb 19 j 15:18	29° \mathbb{L} 26'40	0°08'28	morning max el	-12737 Dec 31 j 17:38	16° \mathbb{N} 20'47	25°31'00
minimum elong	-12737 Feb 19 j 14:59	29° \mathbb{L} 24'53	0°07'42		-12736 Jan 11 j 20:24	0° Ω	
behind sun begin	-12737 Feb 19 j 10:26	29° \mathbb{L} 00'29		morning set	-12736 Jan 28 j 02:34	29° Ω 25'56	
behind sun end	-12737 Feb 19 j 19:31	29° \mathbb{L} 49'16			-12736 Jan 28 j 09:03	0° \mathbb{L}	
	-12737 Feb 19 j 21:31	0° \mathbb{X}					
max. Earth dist.	-12737 Feb 21 j 11:50	3° \mathbb{X} 24'59	1.33510 AU	superior conj	-12736 Feb 04 j 01:37	14° \mathbb{L} 26'02	-0°14'32
evening rise	-12737 Feb 27 j 04:45	15° \mathbb{X} 14'37		minimum elong	-12736 Feb 04 j 02:13	14° \mathbb{L} 29'21	0°15'00
	-12737 Mar 06 j 23:12	0° \mathbb{Z}		behind sun begin	-12736 Feb 04 j 00:41	14° \mathbb{L} 21'00	
	-12737 Mar 26 j 22:26	0° \approx		behind sun end	-12736 Feb 04 j 03:45	14° \mathbb{L} 37'42	
evening max el	-12737 Apr 01 j 08:12	5° \approx 52'37	27°27'35	max. Earth dist.	-12736 Feb 04 j 22:38	16° \mathbb{L} 20'17	1.32985 AU
desc. node	-12737 Apr 08 j 06:26	11° \approx 20'15		asc. node	-12736 Feb 05 j 14:54	17° \mathbb{L} 48'30	
retrograde	-12737 Apr 15 j 04:04	13° \approx 27'29		evening rise	-12736 Feb 11 j 07:42	29° \mathbb{L} 52'26	
evening set	-12737 Apr 22 j 01:41	10° \approx 59'15			-12736 Feb 11 j 09:10	0° \mathbb{X}	
min. Earth dist.	-12737 Apr 25 j 18:05	7° \approx 48'29	0.62900 AU		-12736 Feb 28 j 03:23	0° \mathbb{Z}	
inferior conj	-12737 Apr 28 j 12:57	4° \approx 58'27	-3°21'42	evening max el	-12736 Mar 13 j 14:28	18° \mathbb{Z} 13'22	27°09'01
minimum elong	-12737 Apr 28 j 12:44	4° \approx 58'59	3°22'22	desc. node	-12736 Mar 25 j 03:34	25° \mathbb{Z} 26'58	
	-12737 May 04 j 12:54	30° \mathbb{R} \mathbb{Z}		retrograde	-12736 Mar 27 j 15:24	25° \mathbb{Z} 43'29	
morning rise	-12737 May 05 j 00:58	29° \mathbb{Z} 45'45		evening set	-12736 Apr 03 j 05:46	23° \mathbb{Z} 42'14	
direct	-12737 May 07 j 18:42	29° \mathbb{Z} 09'24		min. Earth dist.	-12736 Apr 07 j 03:15	20° \mathbb{Z} 48'15	0.61005 AU
	-12737 May 10 j 23:44	0° \approx		inferior conj	-12736 Apr 10 j 08:39	17° \mathbb{Z} 55'18	-3°08'07
morning max el	-12737 May 14 j 07:27	2° \approx 31'51	18°03'49	minimum elong	-12736 Apr 10 j 06:44	17° \mathbb{Z} 59'37	3°08'40
asc. node	-12737 May 17 j 17:19	6° \approx 32'15		morning rise	-12736 Apr 17 j 09:46	13° \mathbb{Z} 02'08	
morning set	-12737 May 31 j 09:58	29° \approx 02'45		direct	-12736 Apr 19 j 22:55	12° \mathbb{Z} 34'48	
	-12737 May 31 j 23:02	0° \mathbb{H}		morning max el	-12736 Apr 26 j 20:47	16° \mathbb{Z} 00'44	18°06'33
				asc. node	-12736 May 03 j 14:08	24° \mathbb{Z} 50'37	
superior conj	-12737 Jun 12 j 15:02	20° \mathbb{H} 00'54	1°43'15		-12736 May 06 j 16:20	0° \approx	
minimum elong	-12737 Jun 12 j 18:24	20° \mathbb{H} 14'58	1°42'58	morning set	-12736 May 13 j 02:28	11° \approx 33'55	
max. Earth dist.	-12737 Jun 18 j 16:45	29° \mathbb{H} 59'30	1.43298 AU		-12736 May 23 j 07:36	0° \mathbb{H}	
	-12737 Jun 18 j 16:52	0° \mathbb{Y}					
evening rise	-12737 Jun 28 j 06:47	15° \mathbb{Y} 12'05		superior conj	-12736 May 23 j 17:57	0° \mathbb{H} 45'24	1°48'50
desc. node	-12737 Jul 05 j 03:01	25° \mathbb{Y} 44'20		minimum elong	-12736 May 23 j 17:41	0° \mathbb{H} 44'12	1°48'25
	-12737 Jul 07 j 22:33	0° \mathbb{B}		max. Earth dist.	-12736 May 31 j 00:32	13° \mathbb{H} 10'50	1.41810 AU
evening max el	-12737 Jul 27 j 03:24	26° \mathbb{B} 06'30	20°45'39	evening rise	-12736 Jun 06 j 12:55	23° \mathbb{H} 48'44	
	-12737 Aug 01 j 01:18	0° \mathbb{I}			-12736 Jun 10 j 10:54	0° \mathbb{Y}	
retrograde	-12737 Aug 04 j 06:28	0° \mathbb{I} 51'50		desc. node	-12736 Jun 21 j 00:36	16° \mathbb{Y} 01'20	
	-12737 Aug 07 j 07:01	30° \mathbb{R} \mathbb{B}			-12736 Jun 30 j 23:24	0° \mathbb{B}	
evening set	-12737 Aug 08 j 04:41	29° \mathbb{B} 24'00		evening max el	-12736 Jul 08 j 22:06	9° \mathbb{B} 28'43	22°00'19
inferior conj	-12737 Aug 13 j 13:30	23° \mathbb{B} 18'29	-0°04'01	retrograde	-12736 Jul 18 j 01:53	14° \mathbb{B} 54'00	
minimum elong	-12737 Aug 13 j 13:34	23° \mathbb{B} 18'15	0°03'20	evening set	-12736 Jul 22 j 13:16	13° \mathbb{B} 05'12	
transit middle	-12737 Aug 13 j 13:34	23° \mathbb{B} 18'15	0°03'20	inferior conj	-12736 Jul 27 j 19:06	6° \mathbb{B} 53'46	-0°52'14
transit begin	-12737 Aug 13 j 10:54	23° \mathbb{B} 27'18		minimum elong	-12736 Jul 27 j 20:08	6° \mathbb{B} 50'10	0°51'20
transit end	-12737 Aug 13 j 16:15	23° \mathbb{B} 09'11		min. Earth dist.	-12736 Jul 27 j 23:59	6° \mathbb{B} 36'53	0.67175 AU
asc. node	-12737 Aug 13 j 18:41	23° \mathbb{B} 00'55		asc. node	-12736 Jul 30 j 15:31	3° \mathbb{B} 07'14	
min. Earth dist.	-12737 Aug 14 j 05:01	22° \mathbb{B} 25'56	0.66822 AU	morning rise	-12736 Aug 02 j 02:55	0° \mathbb{B} 34'01	
morning rise	-12737 Aug 18 j 22:18	16° \mathbb{B} 57'03			-12736 Aug 02 j 20:39	30° \mathbb{R} \mathbb{Y}	
direct	-12737 Aug 24 j 05:06	14° \mathbb{B} 43'08		direct	-12736 Aug 06 j 19:56	28° \mathbb{Y} 38'06	
morning max el	-12737 Sep 04 j 08:01	21° \mathbb{B} 22'37	24°16'53		-12736 Aug 11 j 04:47	0° \mathbb{B}	
	-12737 Sep 11 j 19:07	0° \mathbb{I}		morning max el	-12736 Aug 16 j 19:30	4° \mathbb{B} 38'40	22°53'09
desc. node	-12737 Oct 01 j 00:30	27° \mathbb{I} 41'41			-12736 Sep 05 j 02:46	0° \mathbb{I}	
	-12737 Oct 02 j 11:12	0° \mathbb{B}		desc. node	-12736 Sep 16 j 21:33	18° \mathbb{I} 08'53	
morning set	-12737 Oct 09 j 19:30	12° \mathbb{B} 12'20		morning set	-12736 Sep 19 j 15:02	22° \mathbb{I} 34'12	
max. Earth dist.	-12737 Oct 13 j 21:26	19° \mathbb{B} 21'59	1.38493 AU		-12736 Sep 24 j 02:07	0° \mathbb{B}	
	-12737 Oct 19 j 16:09	0° Ω		max. Earth dist.	-12736 Sep 24 j 21:26	1° \mathbb{B} 22'10	1.40463 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12736 Oct 02 j 11:35	14° \mathfrak{D} 43'16	-1°22'25	superior conj	-12735 Sep 14 j 04:09	26° \mathbb{I} 02'09	-0°59'20
minimum elong	-12736 Oct 02 j 08:29	14° \mathfrak{D} 29'15	1°21'24	minimum elong	-12735 Sep 14 j 00:10	25° \mathbb{I} 45'02	0°58'05
	-12736 Oct 10 j 16:35	0° \mathcal{O}			-12735 Sep 16 j 11:06	0° \mathfrak{D}	
evening rise	-12736 Oct 12 j 04:51	2° \mathcal{O} 51'49		evening rise	-12735 Sep 25 j 08:34	15° \mathfrak{D} 52'37	
asc. node	-12736 Oct 26 j 15:03	26° \mathcal{O} 54'58			-12735 Oct 03 j 07:32	0° \mathcal{O}	
evening max el	-12736 Oct 28 j 08:52	28° \mathcal{O} 47'53	18°22'36	evening max el	-12735 Oct 11 j 19:12	11° \mathcal{O} 54'07	18°07'37
	-12736 Oct 29 j 16:58	0° \mathfrak{M}		asc. node	-12735 Oct 13 j 12:19	13° \mathcal{O} 25'32	
retrograde	-12736 Nov 04 j 20:48	2° \mathfrak{M} 31'51		retrograde	-12735 Oct 18 j 16:34	15° \mathcal{O} 28'01	
evening set	-12736 Nov 07 j 07:45	2° \mathfrak{M} 08'56		evening set	-12735 Oct 21 j 04:41	14° \mathcal{O} 59'59	
	-12736 Nov 11 j 11:30	30° \mathcal{R} \mathcal{O}		inferior conj	-12735 Oct 28 j 03:12	9° \mathcal{O} 57'16	3°40'43
inferior conj	-12736 Nov 14 j 18:22	27° \mathcal{O} 27'09	4°09'50	minimum elong	-12735 Oct 27 j 23:28	10° \mathcal{O} 06'05	3°40'39
minimum elong	-12736 Nov 14 j 16:03	27° \mathcal{O} 31'56	4°10'04	min. Earth dist.	-12735 Oct 31 j 00:50	7° \mathcal{O} 13'45	0.61441 AU
min. Earth dist.	-12736 Nov 17 j 22:30	24° \mathcal{O} 50'54	0.59611 AU	morning rise	-12735 Nov 03 j 16:56	4° \mathcal{O} 17'12	
morning rise	-12736 Nov 21 j 22:42	22° \mathcal{O} 05'35		direct	-12735 Nov 10 j 17:10	1° \mathcal{O} 54'53	
direct	-12736 Nov 28 j 12:27	20° \mathcal{O} 13'12		morning max el	-12735 Nov 24 j 14:30	9° \mathcal{O} 21'40	27°25'06
morning max el	-12736 Dec 12 j 12:54	27° \mathcal{O} 32'28	26°43'18	desc. node	-12735 Nov 30 j 19:22	16° \mathcal{O} 10'23	
desc. node	-12736 Dec 13 j 22:49	28° \mathcal{O} 56'34			-12735 Dec 10 j 17:00	0° \mathfrak{M}	
	-12736 Dec 14 j 22:59	0° \mathfrak{M}		morning set	-12735 Dec 26 j 20:10	29° \mathfrak{M} 13'12	
	-12735 Jan 04 j 05:40	0° \mathfrak{L}			-12735 Dec 27 j 05:15	0° \mathfrak{L}	
morning set	-12735 Jan 11 j 13:14	14° \mathfrak{L} 26'15		max. Earth dist.	-12734 Jan 02 j 00:14	12° \mathfrak{L} 18'12	1.32919 AU
superior conj	-12735 Jan 18 j 13:26	29° \mathfrak{L} 30'35	-0°36'10	superior conj	-12734 Jan 03 j 01:01	14° \mathfrak{L} 32'51	-0°55'49
minimum elong	-12735 Jan 18 j 14:48	29° \mathfrak{L} 38'01	0°36'20	minimum elong	-12734 Jan 03 j 02:51	14° \mathfrak{L} 42'54	0°55'43
max. Earth dist.	-12735 Jan 18 j 12:03	29° \mathfrak{L} 23'02	1.32785 AU	asc. node	-12734 Jan 09 j 09:37	28° \mathfrak{L} 17'26	
	-12735 Jan 18 j 18:49	0° \mathfrak{M}		evening rise	-12734 Jan 10 j 01:38	29° \mathfrak{L} 41'45	
asc. node	-12735 Jan 22 j 12:14	8° \mathfrak{M} 06'05			-12734 Jan 10 j 05:07	0° \mathfrak{M}	
evening rise	-12735 Jan 25 j 15:21	14° \mathfrak{M} 44'17			-12734 Jan 27 j 02:18	0° \mathfrak{J}	
	-12735 Feb 02 j 10:17	0° \mathfrak{J}		evening max el	-12734 Feb 05 j 10:56	11° \mathfrak{J} 07'01	25°01'49
evening max el	-12735 Feb 23 j 15:19	29° \mathfrak{J} 56'50	26°18'24	retrograde	-12734 Feb 19 j 10:14	18° \mathfrak{J} 09'31	
	-12735 Feb 23 j 16:38	0° \mathfrak{Z}		evening set	-12734 Feb 24 j 07:15	17° \mathfrak{J} 14'35	
retrograde	-12735 Mar 09 j 18:11	7° \mathfrak{Z} 17'30		desc. node	-12734 Feb 26 j 21:28	16° \mathfrak{J} 04'18	
desc. node	-12735 Mar 12 j 00:35	7° \mathfrak{Z} 04'28		min. Earth dist.	-12734 Mar 02 j 00:40	14° \mathfrak{J} 11'39	0.57241 AU
evening set	-12735 Mar 15 j 15:34	5° \mathfrak{Z} 50'08		inferior conj	-12734 Mar 04 j 20:27	12° \mathfrak{J} 17'30	-1°26'14
min. Earth dist.	-12735 Mar 20 j 04:39	2° \mathfrak{Z} 58'19	0.59026 AU	minimum elong	-12734 Mar 04 j 17:35	12° \mathfrak{J} 22'22	1°26'13
inferior conj	-12735 Mar 23 j 12:07	0° \mathfrak{Z} 24'14	-2°31'16	morning rise	-12734 Mar 13 j 07:11	8° \mathfrak{J} 01'52	
minimum elong	-12735 Mar 23 j 08:53	0° \mathfrak{Z} 30'34	2°31'26	direct	-12734 Mar 15 j 11:28	7° \mathfrak{J} 47'48	
	-12735 Mar 24 j 00:35	30° \mathcal{R} \mathfrak{J}		morning max el	-12734 Mar 24 j 10:37	12° \mathfrak{J} 03'08	19°09'40
morning rise	-12735 Mar 31 j 05:13	25° \mathfrak{J} 51'01			-12734 Apr 05 j 15:27	0° \mathfrak{Z}	
direct	-12735 Apr 02 j 13:44	25° \mathfrak{J} 31'22		asc. node	-12734 Apr 07 j 07:55	3° \mathfrak{Z} 11'19	
morning max el	-12735 Apr 10 j 06:52	29° \mathfrak{J} 14'28	18°28'20	morning set	-12734 Apr 10 j 05:37	8° \mathfrak{Z} 50'44	
	-12735 Apr 11 j 01:08	0° \mathfrak{Z}		superior conj	-12734 Apr 18 j 18:53	25° \mathfrak{Z} 40'15	1°27'31
asc. node	-12735 Apr 20 j 10:59	13° \mathfrak{Z} 46'38		minimum elong	-12734 Apr 18 j 15:49	25° \mathfrak{Z} 25'24	1°26'28
morning set	-12735 Apr 26 j 10:24	24° \mathfrak{Z} 53'22			-12734 Apr 21 j 01:16	0° \mathfrak{X}	
	-12735 Apr 29 j 02:38	0° \mathfrak{X}		max. Earth dist.	-12734 Apr 25 j 02:19	7° \mathfrak{X} 30'40	1.38139 AU
superior conj	-12735 May 05 j 21:04	12° \mathfrak{X} 43'29	1°42'15	evening rise	-12734 Apr 29 j 03:17	14° \mathfrak{X} 43'33	
minimum elong	-12735 May 05 j 18:38	12° \mathfrak{X} 32'18	1°41'30		-12734 May 08 j 06:26	0° \mathfrak{H}	
max. Earth dist.	-12735 May 13 j 02:29	25° \mathfrak{X} 38'37	1.40005 AU	desc. node	-12734 May 25 j 19:46	25° \mathfrak{H} 35'05	
	-12735 May 15 j 15:25	0° \mathfrak{H}			-12734 May 29 j 08:18	0° \mathfrak{Y}	
evening rise	-12735 May 17 j 18:23	3° \mathfrak{H} 34'21		evening max el	-12734 Jun 03 j 20:46	6° \mathfrak{Y} 08'12	24°43'33
	-12735 Jun 03 j 16:58	0° \mathfrak{Y}		retrograde	-12734 Jun 15 j 08:06	12° \mathfrak{Y} 55'00	
desc. node	-12735 Jun 07 j 22:13	6° \mathfrak{Y} 00'48		evening set	-12734 Jun 21 j 00:21	10° \mathfrak{Y} 26'17	
evening max el	-12735 Jun 21 j 10:52	22° \mathfrak{Y} 47'58	23°21'55	min. Earth dist.	-12734 Jun 25 j 13:23	5° \mathfrak{Y} 08'55	0.66949 AU
retrograde	-12735 Jul 01 j 18:49	28° \mathfrak{Y} 56'24		inferior conj	-12734 Jun 26 j 06:51	4° \mathfrak{Y} 10'09	-2°14'39
evening set	-12735 Jul 06 j 20:29	26° \mathfrak{Y} 46'27		minimum elong	-12734 Jun 26 j 09:00	4° \mathfrak{Y} 02'55	2°14'00
inferior conj	-12735 Jul 12 j 01:28	20° \mathfrak{Y} 31'29	-1°36'11		-12734 Jun 29 j 14:51	30° \mathcal{R} \mathfrak{H}	
minimum elong	-12735 Jul 12 j 03:14	20° \mathfrak{Y} 25'25	1°35'19	morning rise	-12734 Jul 01 j 17:38	28° \mathfrak{H} 04'18	
min. Earth dist.	-12735 Jul 11 j 19:33	20° \mathfrak{Y} 51'53	0.67225 AU	asc. node	-12734 Jul 04 j 09:00	26° \mathfrak{H} 49'50	
morning rise	-12735 Jul 17 j 09:56	14° \mathfrak{Y} 17'01		direct	-12734 Jul 05 j 11:42	26° \mathfrak{H} 42'51	
asc. node	-12735 Jul 17 j 12:18	14° \mathfrak{Y} 12'25			-12734 Jul 11 j 23:23	0° \mathfrak{Y}	
direct	-12735 Jul 21 j 14:34	12° \mathfrak{Y} 38'57		morning max el	-12734 Jul 13 j 08:36	1° \mathfrak{Y} 20'56	20°19'36
morning max el	-12735 Jul 30 j 11:06	17° \mathfrak{Y} 57'13	21°31'56		-12734 Aug 02 j 21:42	0° \mathfrak{Z}	
	-12735 Aug 09 j 03:42	0° \mathfrak{Z}		morning set	-12734 Aug 09 j 13:29	10° \mathfrak{Z} 16'41	
	-12735 Aug 29 j 06:47	0° \mathbb{I}		max. Earth dist.	-12734 Aug 20 j 12:10	27° \mathfrak{Z} 33'02	1.43657 AU
morning set	-12735 Aug 30 j 09:27	1° \mathbb{I} 44'52		desc. node	-12734 Aug 21 j 15:59	29° \mathfrak{Z} 24'48	
desc. node	-12735 Sep 03 j 18:41	8° \mathbb{I} 44'23			-12734 Aug 22 j 00:42	0° \mathbb{I}	
max. Earth dist.	-12735 Sep 07 j 01:49	14° \mathbb{I} 06'30	1.42268 AU				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12734 Aug 25 j 17:54	6°II02'34	-0°24'12	minimum elong	-12733 Aug 05 j 08:08	14°858'10	0°19'48
minimum elong	-12734 Aug 25 j 15:33	5°II52'57	0°23'10	desc. node	-12733 Aug 08 j 13:22	20°806'14	
evening rise	-12734 Sep 07 j 19:29	28°II04'15			-12733 Aug 14 j 16:43	0°II	
	-12734 Sep 08 j 22:19	0°8		evening rise	-12733 Aug 20 j 07:49	9°II12'00	
evening max el	-12734 Sep 25 j 08:39	25°814'56	18°11'40		-12733 Sep 02 j 05:22	0°8	
asc. node	-12734 Sep 30 j 09:28	28°835'18		evening max el	-12733 Sep 08 j 22:11	8°843'29	18°33'46
retrograde	-12734 Oct 01 j 23:37	28°848'17		retrograde	-12733 Sep 15 j 14:16	12°825'20	
evening set	-12734 Oct 04 j 15:12	28°812'41		asc. node	-12733 Sep 17 j 06:33	12°809'41	
inferior conj	-12734 Oct 11 j 02:35	22°850'54	2°58'20	evening set	-12733 Sep 18 j 11:33	11°839'17	
minimum elong	-12734 Oct 10 j 22:51	23°800'47	2°58'04	inferior conj	-12733 Sep 24 j 13:11	6°801'10	2°09'05
min. Earth dist.	-12734 Oct 13 j 12:45	20°817'15	0.63129 AU	minimum elong	-12733 Sep 24 j 10:16	6°809'41	2°08'54
morning rise	-12734 Oct 17 j 05:34	16°855'22		min. Earth dist.	-12733 Sep 26 j 10:32	3°849'03	0.64549 AU
direct	-12734 Oct 24 j 05:47	14°816'13		morning rise	-12733 Sep 30 j 08:22	29°II53'23	
morning max el	-12734 Nov 06 j 21:15	21°847'16	27°32'19		-12733 Sep 30 j 05:10	30°RII	
	-12734 Nov 14 j 05:17	0°8		direct	-12733 Oct 07 j 01:03	27°II10'34	
desc. node	-12734 Nov 17 j 15:57	4°830'24			-12733 Oct 14 j 17:04	0°8	
	-12734 Dec 03 j 17:24	0°8		morning max el	-12733 Oct 20 j 06:58	4°840'45	27°06'57
morning set	-12734 Dec 10 j 21:00	13°838'37		desc. node	-12733 Nov 04 j 12:38	23°837'38	
max. Earth dist.	-12734 Dec 16 j 07:36	24°854'00	1.33423 AU		-12733 Nov 08 j 18:06	0°8	
				morning set	-12733 Nov 24 j 12:50	27°833'13	
superior conj	-12734 Dec 18 j 10:37	29°826'35	-1°12'41		-12733 Nov 25 j 18:52	0°8	
minimum elong	-12734 Dec 18 j 12:37	29°837'17	1°12'25	max. Earth dist.	-12733 Nov 29 j 06:54	7°802'13	1.34333 AU
	-12734 Dec 18 j 16:50	0°8					
evening rise	-12734 Dec 25 j 12:50	14°838'46		superior conj	-12733 Dec 02 j 16:21	14°805'15	-1°25'53
asc. node	-12734 Dec 27 j 07:02	18°817'44		minimum elong	-12733 Dec 02 j 18:04	14°814'15	1°25'30
	-12733 Jan 02 j 08:07	0°8		evening rise	-12733 Dec 09 j 23:23	29°829'52	
evening max el	-12733 Jan 18 j 04:15	21°859'49	23°30'11		-12733 Dec 10 j 05:11	0°8	
retrograde	-12733 Jan 31 j 13:22	28°831'04		asc. node	-12733 Dec 14 j 04:27	8°801'34	
evening set	-12733 Feb 04 j 09:41	27°858'40			-12733 Dec 28 j 03:32	0°8	
min. Earth dist.	-12733 Feb 11 j 17:15	24°833'34	0.55972 AU	evening max el	-12733 Dec 31 j 00:08	2°857'42	21°56'52
inferior conj	-12733 Feb 13 j 09:35	23°833'00	0°05'29	retrograde	-12732 Jan 12 j 06:05	8°846'32	
minimum elong	-12733 Feb 13 j 09:47	23°832'42	0°04'46	evening set	-12732 Jan 15 j 08:32	8°825'09	
transit middle	-12733 Feb 13 j 09:47	23°832'42	0°04'46	inferior conj	-12732 Jan 24 j 09:28	4°821'03	1°48'18
transit begin	-12733 Feb 13 j 05:57	23°838'28		minimum elong	-12732 Jan 24 j 13:50	4°814'49	1°46'33
transit end	-12733 Feb 13 j 13:37	23°826'56		min. Earth dist.	-12732 Jan 24 j 07:36	4°823'43	0.55468 AU
desc. node	-12733 Feb 13 j 18:15	23°820'00		desc. node	-12732 Jan 31 j 14:56	0°849'09	
morning rise	-12733 Feb 22 j 12:01	19°828'07		morning rise	-12732 Feb 02 j 19:20	0°814'32	
direct	-12733 Feb 24 j 15:59	19°816'16			-12732 Feb 04 j 23:01	30°R8	
morning max el	-12733 Mar 07 j 05:00	24°816'50	20°10'43	direct	-12732 Feb 05 j 08:52	29°859'37	
	-12733 Mar 12 j 03:37	0°8			-12732 Feb 05 j 18:42	0°8	
morning set	-12733 Mar 25 j 08:44	23°816'40		morning max el	-12732 Feb 17 j 12:08	5°850'21	21°30'15
asc. node	-12733 Mar 25 j 04:55	22°857'22			-12732 Mar 04 j 16:57	0°8	
	-12733 Mar 28 j 15:53	0°8		morning set	-12732 Mar 08 j 17:08	8°803'23	
				asc. node	-12732 Mar 11 j 02:01	12°859'13	
superior conj	-12733 Apr 02 j 06:28	9°821'39	1°07'49				
minimum elong	-12733 Apr 02 j 03:43	9°807'49	1°06'38	superior conj	-12732 Mar 16 j 03:56	23°836'47	0°45'28
max. Earth dist.	-12733 Apr 07 j 06:42	19°812'28	1.36434 AU	minimum elong	-12732 Mar 16 j 02:00	23°826'47	0°44'19
evening rise	-12733 Apr 11 j 11:28	27°805'01			-12732 Mar 19 j 06:41	0°8	
	-12733 Apr 13 j 02:00	0°8		max. Earth dist.	-12732 Mar 19 j 20:19	1°808'47	1.35022 AU
	-12733 May 01 j 15:15	0°8		evening rise	-12732 Mar 24 j 13:12	10°822'33	
desc. node	-12733 May 12 j 17:15	14°833'27			-12732 Apr 04 j 13:47	0°8	
evening max el	-12733 May 17 j 06:37	19°829'58	25°56'38		-12732 Apr 26 j 00:40	0°8	
retrograde	-12733 May 29 j 16:55	26°844'08		evening max el	-12732 Apr 28 j 17:19	2°848'21	26°52'22
evening set	-12733 Jun 04 j 22:44	24°802'05		desc. node	-12732 Apr 28 j 14:37	2°841'41	
min. Earth dist.	-12733 Jun 09 j 03:01	19°824'02	0.66317 AU	retrograde	-12732 May 11 j 20:41	10°818'09	
inferior conj	-12733 Jun 10 j 09:20	17°846'56	-2°46'17	evening set	-12732 May 18 j 13:14	7°831'36	
minimum elong	-12733 Jun 10 j 11:29	17°840'02	2°46'01	min. Earth dist.	-12732 May 22 j 10:19	3°832'13	0.65297 AU
morning rise	-12733 Jun 16 j 00:17	11°852'53		inferior conj	-12732 May 24 j 06:49	1°819'37	-3°09'19
direct	-12733 Jun 19 j 09:39	10°846'17		minimum elong	-12732 May 24 j 08:29	1°814'38	3°09'30
asc. node	-12733 Jun 21 j 05:41	11°804'48			-12732 May 25 j 09:50	30°R8	
morning max el	-12733 Jun 26 j 12:29	14°850'45	19°20'22	morning rise	-12732 May 30 j 04:02	25°840'03	
	-12733 Jul 07 j 17:57	0°8		direct	-12732 Jun 02 j 06:21	24°846'34	
morning set	-12733 Jul 19 j 22:23	19°802'47		asc. node	-12732 Jun 07 j 02:24	26°847'51	
	-12733 Jul 26 j 21:06	0°8		morning max el	-12732 Jun 08 j 21:50	28°826'27	18°36'54
max. Earth dist.	-12733 Aug 03 j 03:21	11°828'34	1.44443 AU		-12732 Jun 10 j 08:14	0°8	
				morning set	-12732 Jun 29 j 03:44	28°845'29	
superior conj	-12733 Aug 05 j 05:47	14°848'48	0°19'32		-12732 Jun 29 j 22:00	0°8	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12732 Jul 14 j 05:51	23° Υ 02'19	1°02'14	max. Earth dist.	-12731 Jun 28 j 11:13	9° Υ 30'57	1.43924 AU
minimum elong	-12732 Jul 14 j 12:12	23° Υ 27'27	1°01'54	evening rise	-12731 Jul 10 j 01:37	27° Υ 47'20	
max. Earth dist.	-12732 Jul 15 j 20:12	25° Υ 34'21	1.44533 AU		-12731 Jul 11 j 11:49	0° \mathcal{B}	
	-12732 Jul 18 j 15:21	0° \mathcal{B}		desc. node	-12731 Jul 12 j 08:20	1° \mathcal{B} 19'27	
desc. node	-12732 Jul 25 j 10:49	10° \mathcal{B} 45'30			-12731 Jul 31 j 18:05	0° Π	
evening rise	-12732 Jul 30 j 17:02	19° \mathcal{B} 04'11		evening max el	-12731 Aug 05 j 14:25	5° Π 43'37	20°07'45
	-12732 Aug 06 j 15:14	0° Π		retrograde	-12731 Aug 13 j 06:00	10° Π 10'02	
evening max el	-12732 Aug 22 j 08:54	22° Π 14'18	19°12'55	evening set	-12731 Aug 16 j 21:20	8° Π 53'26	
retrograde	-12732 Aug 29 j 09:16	26° Π 13'48		asc. node	-12731 Aug 21 j 00:30	4° Π 37'55	
evening set	-12732 Sep 01 j 14:29	25° Π 14'06		inferior conj	-12731 Aug 22 j 08:48	2° Π 52'13	0°25'07
asc. node	-12732 Sep 03 j 03:33	24° Π 04'27		minimum elong	-12731 Aug 22 j 08:13	2° Π 54'08	0°25'38
inferior conj	-12732 Sep 07 j 08:05	19° Π 22'51	1°17'05	min. Earth dist.	-12731 Aug 23 j 06:31	1° Π 40'03	0.66479 AU
minimum elong	-12732 Sep 07 j 06:19	19° Π 28'25	1°17'13		-12731 Aug 24 j 13:29	30° \mathcal{R} \mathcal{B}	
min. Earth dist.	-12732 Sep 08 j 17:08	17° Π 38'53	0.65664 AU	morning rise	-12731 Aug 27 j 18:51	26° \mathcal{B} 31'14	
morning rise	-12732 Sep 12 j 21:45	13° Π 06'27		direct	-12731 Sep 02 j 09:41	24° \mathcal{B} 07'56	
direct	-12732 Sep 19 j 02:26	10° Π 30'05			-12731 Sep 13 j 00:14	0° Π	
morning max el	-12732 Oct 01 j 17:27	17° Π 50'41	26°14'37	morning max el	-12731 Sep 14 j 03:31	1° Π 06'43	25°03'09
	-12732 Oct 12 j 01:34	0° \mathcal{E}			-12731 Oct 06 j 01:57	0° \mathcal{E}	
desc. node	-12732 Oct 21 j 09:22	13° \mathcal{E} 18'11		desc. node	-12731 Oct 08 j 06:13	3° \mathcal{E} 22'24	
	-12732 Oct 31 j 16:00	0° \mathcal{O}		morning set	-12731 Oct 20 j 01:15	23° \mathcal{E} 01'24	
morning set	-12732 Nov 06 j 15:50	10° \mathcal{O} 45'12			-12731 Oct 23 j 21:51	0° \mathcal{O}	
max. Earth dist.	-12732 Nov 10 j 19:51	18° \mathcal{O} 41'42	1.35669 AU	max. Earth dist.	-12731 Oct 23 j 23:11	0° \mathcal{O} 06'08	1.37384 AU
superior conj	-12732 Nov 15 j 15:47	28° \mathcal{O} 20'36	-1°34'18	superior conj	-12731 Oct 30 j 05:53	12° \mathcal{O} 03'35	-1°36'26
minimum elong	-12732 Nov 15 j 16:43	28° \mathcal{O} 25'20	1°33'50	minimum elong	-12731 Oct 30 j 05:29	12° \mathcal{O} 01'40	1°35'49
	-12732 Nov 16 j 11:14	0° \mathcal{N}		evening rise	-12731 Nov 07 j 11:18	28° \mathcal{O} 29'47	
evening rise	-12732 Nov 23 j 07:32	14° \mathcal{N} 08'48			-12731 Nov 08 j 05:22	0° \mathcal{N}	
asc. node	-12732 Nov 30 j 01:52	27° \mathcal{N} 21'52		asc. node	-12731 Nov 16 j 23:16	16° \mathcal{N} 10'15	
	-12732 Dec 01 j 13:33	0° \mathcal{A}		evening max el	-12731 Nov 24 j 17:09	26° \mathcal{N} 16'20	19°26'51
evening max el	-12732 Dec 12 j 03:30	14° \mathcal{A} 19'47	20°33'22		-12731 Nov 30 j 08:51	0° \mathcal{A}	
retrograde	-12732 Dec 22 j 21:33	19° \mathcal{A} 22'40		retrograde	-12731 Dec 03 j 22:53	0° \mathcal{A} 38'56	
evening set	-12732 Dec 25 j 14:25	19° \mathcal{A} 04'50		evening set	-12731 Dec 06 j 11:39	0° \mathcal{A} 20'41	
inferior conj	-12731 Jan 03 j 08:05	15° \mathcal{A} 04'59	3°15'06		-12731 Dec 07 j 16:34	30° \mathcal{R} \mathcal{N}	
minimum elong	-12731 Jan 03 j 13:48	14° \mathcal{A} 56'31	3°13'39	inferior conj	-12731 Dec 14 j 18:03	26° \mathcal{N} 10'33	4°05'17
min. Earth dist.	-12731 Jan 04 j 20:50	14° \mathcal{A} 10'33	0.55824 AU	minimum elong	-12731 Dec 14 j 21:08	26° \mathcal{N} 05'28	4°05'02
morning rise	-12731 Jan 12 j 11:44	10° \mathcal{A} 41'49		min. Earth dist.	-12731 Dec 17 j 10:21	24° \mathcal{N} 24'41	0.56946 AU
direct	-12731 Jan 16 j 00:53	10° \mathcal{A} 14'08		morning rise	-12731 Dec 23 j 04:29	21° \mathcal{N} 23'28	
desc. node	-12731 Jan 17 j 11:34	10° \mathcal{A} 18'52		direct	-12731 Dec 28 j 02:10	20° \mathcal{N} 28'34	
morning max el	-12731 Jan 29 j 08:51	16° \mathcal{A} 47'57	23°03'22	desc. node	-12730 Jan 04 j 08:10	22° \mathcal{N} 28'30	
	-12731 Feb 08 j 19:00	0° \mathcal{M}		morning max el	-12730 Jan 10 j 23:55	27° \mathcal{N} 29'40	24°39'40
morning set	-12731 Feb 21 j 04:32	23° \mathcal{M} 02'19			-12730 Jan 13 j 10:43	0° \mathcal{A}	
	-12731 Feb 24 j 11:29	0° \mathcal{J}			-12730 Feb 01 j 17:44	0° \mathcal{M}	
asc. node	-12731 Feb 25 j 23:12	3° \mathcal{J} 10'59		morning set	-12730 Feb 05 j 17:02	8° \mathcal{M} 06'42	
superior conj	-12731 Feb 28 j 08:11	8° \mathcal{J} 15'05	0°22'01	superior conj	-12730 Feb 12 j 16:52	23° \mathcal{M} 08'45	-0°01'25
minimum elong	-12731 Feb 28 j 07:16	8° \mathcal{J} 10'13	0°21'04	minimum elong	-12730 Feb 12 j 16:57	23° \mathcal{M} 09'13	0°02'04
max. Earth dist.	-12731 Mar 02 j 19:42	13° \mathcal{J} 29'09	1.33956 AU	behind sun begin	-12730 Feb 12 j 11:53	22° \mathcal{M} 41'50	
evening rise	-12731 Mar 08 j 03:32	24° \mathcal{J} 20'06		behind sun end	-12730 Feb 12 j 22:01	23° \mathcal{M} 36'35	
	-12731 Mar 11 j 01:43	0° \mathcal{Z}		asc. node	-12730 Feb 12 j 20:28	23° \mathcal{M} 28'13	
	-12731 Mar 29 j 03:10	0° \approx		max. Earth dist.	-12730 Feb 14 j 03:03	26° \mathcal{M} 13'08	1.33241 AU
evening max el	-12731 Apr 11 j 03:50	15° \approx 52'34	27°23'18		-12730 Feb 15 j 21:30	0° \mathcal{J}	
desc. node	-12731 Apr 15 j 11:55	19° \approx 38'50		evening rise	-12730 Feb 20 j 02:43	8° \mathcal{J} 45'59	
retrograde	-12731 Apr 24 j 19:02	23° \approx 28'27			-12730 Mar 03 j 12:18	0° \mathcal{Z}	
evening set	-12731 May 01 j 16:56	20° \approx 49'25		evening max el	-12730 Mar 24 j 12:15	28° \mathcal{Z} 31'45	27°23'45
min. Earth dist.	-12731 May 05 j 09:34	17° \approx 23'45	0.63875 AU		-12730 Mar 26 j 02:11	0° \approx	
inferior conj	-12731 May 07 j 20:45	14° \approx 43'18	-3°21'17	desc. node	-12730 Apr 02 j 09:07	4° \approx 57'00	
minimum elong	-12731 May 07 j 21:22	14° \approx 41'36	3°21'50	retrograde	-12730 Apr 07 j 11:00	6° \approx 06'06	
morning rise	-12731 May 14 j 02:37	9° \approx 20'32		evening set	-12730 Apr 14 j 06:35	3° \approx 47'54	
direct	-12731 May 16 j 23:10	8° \approx 38'28		min. Earth dist.	-12730 Apr 17 j 23:58	0° \approx 45'58	0.62110 AU
morning max el	-12731 May 23 j 10:43	12° \approx 04'11	18°10'44		-12730 Apr 18 j 19:26	30° \mathcal{R} \mathcal{Z}	
asc. node	-12731 May 24 j 23:10	13° \approx 42'53		inferior conj	-12730 Apr 21 j 00:04	27° \mathcal{Z} 51'55	-3°18'27
	-12731 Jun 04 j 18:36	0° \mathcal{H}		minimum elong	-12730 Apr 20 j 23:09	27° \mathcal{Z} 54'09	3°19'07
morning set	-12731 Jun 10 j 10:22	9° \mathcal{H} 38'08		morning rise	-12730 Apr 27 j 17:19	22° \mathcal{Z} 47'32	
	-12731 Jun 22 j 14:03	0° Υ		direct	-12730 Apr 30 j 08:56	22° \mathcal{Z} 15'21	
				morning max el	-12730 May 07 j 00:38	25° \mathcal{Z} 38'03	18°02'43
superior conj	-12731 Jun 23 j 16:31	1° Υ 48'03	1°33'01		-12730 May 10 j 17:10	0° \approx	
minimum elong	-12731 Jun 23 j 21:58	2° Υ 10'13	1°32'40	asc. node	-12730 May 11 j 19:57	1° \approx 34'27	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12730 May 23 j 15:49	21° \approx 36'00		superior conj	-12729 May 16 j 17:39	23° \approx 03'14	1°47'17
	-12730 May 28 j 09:06	0° \mathbb{H}		minimum elong	-12729 May 16 j 16:15	22° \approx 56'59	1°46'45
					-12729 May 20 j 16:10	0° \mathbb{H}	
superior conj	-12730 Jun 04 j 03:53	11° \mathbb{H} 46'10	1°47'23	max. Earth dist.	-12729 May 24 j 02:37	5° \mathbb{H} 53'31	1.41063 AU
minimum elong	-12730 Jun 04 j 05:35	11° \mathbb{H} 53'27	1°47'05	evening rise	-12729 May 29 j 16:29	15° \mathbb{H} 08'37	
max. Earth dist.	-12730 Jun 10 j 21:37	23° \mathbb{H} 00'54	1.42711 AU		-12729 Jun 08 j 02:59	0° \mathbb{Y}	
	-12730 Jun 15 j 05:16	0° \mathbb{Y}		desc. node	-12729 Jun 16 j 03:30	11° \mathbb{Y} 54'15	
evening rise	-12730 Jun 19 j 01:46	6° \mathbb{Y} 06'28			-12729 Jun 29 j 21:15	0° \mathbb{B}	
desc. node	-12730 Jun 29 j 05:55	21° \mathbb{Y} 43'54		evening max el	-12729 Jul 02 j 05:12	2° \mathbb{B} 29'57	22°34'36
	-12730 Jul 04 j 20:05	0° \mathbb{B}		retrograde	-12729 Jul 11 j 20:44	8° \mathbb{B} 13'14	
evening max el	-12730 Jul 19 j 13:09	19° \mathbb{B} 08'38	21°16'14	evening set	-12729 Jul 16 j 14:04	6° \mathbb{B} 15'32	
retrograde	-12730 Jul 28 j 02:20	24° \mathbb{B} 10'33		inferior conj	-12729 Jul 21 j 19:18	0° \mathbb{B} 02'34	-1°11'26
evening set	-12730 Aug 01 j 05:51	22° \mathbb{B} 34'14		minimum elong	-12729 Jul 21 j 20:41	29° \mathbb{Y} 57'48	1°10'32
inferior conj	-12730 Aug 06 j 13:09	16° \mathbb{B} 25'55	-0°24'54		-12729 Jul 21 j 20:02	30° \mathbb{R} \mathbb{Y}	
minimum elong	-12730 Aug 06 j 13:40	16° \mathbb{B} 24'10	0°24'06	min. Earth dist.	-12729 Jul 21 j 19:43	0° \mathbb{B} 01'06	0.67238 AU
min. Earth dist.	-12730 Aug 07 j 00:11	15° \mathbb{B} 48'03	0.67006 AU	asc. node	-12729 Jul 25 j 18:10	25° \mathbb{Y} 01'50	
asc. node	-12730 Aug 07 j 21:22	14° \mathbb{B} 36'12		morning rise	-12729 Jul 27 j 03:11	23° \mathbb{Y} 44'37	
morning rise	-12730 Aug 11 j 21:19	10° \mathbb{B} 04'28		direct	-12729 Jul 31 j 14:51	21° \mathbb{Y} 56'07	
direct	-12730 Aug 16 j 22:08	7° \mathbb{B} 57'55		morning max el	-12729 Aug 10 j 02:26	27° \mathbb{Y} 38'23	22°17'48
morning max el	-12730 Aug 27 j 13:42	14° \mathbb{B} 22'14	23°41'19		-12729 Aug 12 j 06:40	0° \mathbb{B}	
	-12730 Sep 09 j 05:43	0° \mathbb{II}			-12729 Sep 02 j 22:07	0° \mathbb{II}	
desc. node	-12730 Sep 25 j 03:10	23° \mathbb{II} 42'31		morning set	-12729 Sep 11 j 19:57	13° \mathbb{II} 56'19	
	-12730 Sep 29 j 00:20	0° \mathbb{S}		desc. node	-12729 Sep 12 j 00:15	14° \mathbb{II} 13'37	
morning set	-12730 Oct 01 j 11:41	4° \mathbb{S} 07'01		max. Earth dist.	-12729 Sep 17 j 23:15	24° \mathbb{II} 00'48	1.41279 AU
max. Earth dist.	-12730 Oct 05 j 21:53	11° \mathbb{S} 42'46	1.39336 AU		-12729 Sep 21 j 11:52	0° \mathbb{S}	
superior conj	-12730 Oct 13 j 06:29	25° \mathbb{S} 01'48	-1°30'25	superior conj	-12729 Sep 25 j 12:29	7° \mathbb{S} 01'42	-1°14'08
minimum elong	-12730 Oct 13 j 04:23	24° \mathbb{S} 51'56	1°29'34	minimum elong	-12729 Sep 25 j 08:49	6° \mathbb{S} 45'29	1°12'58
	-12730 Oct 15 j 21:43	0° \mathbb{O}		evening rise	-12729 Oct 05 j 19:22	25° \mathbb{S} 49'15	
evening rise	-12730 Oct 22 j 08:15	12° \mathbb{O} 25'36			-12729 Oct 08 j 01:25	0° \mathbb{O}	
	-12730 Oct 31 j 23:47	0° \mathbb{P}		asc. node	-12729 Oct 21 j 17:55	21° \mathbb{O} 25'22	
asc. node	-12730 Nov 03 j 20:38	4° \mathbb{P} 15'43		evening max el	-12729 Oct 21 j 23:57	21° \mathbb{O} 40'30	18°13'46
evening max el	-12730 Nov 07 j 16:43	8° \mathbb{P} 45'28	18°40'12	retrograde	-12729 Oct 29 j 04:21	25° \mathbb{O} 18'31	
retrograde	-12730 Nov 15 j 16:59	12° \mathbb{P} 39'30		evening set	-12729 Oct 31 j 15:42	24° \mathbb{O} 53'31	
evening set	-12730 Nov 18 j 04:14	12° \mathbb{P} 18'40		inferior conj	-12729 Nov 07 j 21:04	20° \mathbb{O} 02'33	3°59'35
inferior conj	-12730 Nov 25 j 22:06	7° \mathbb{P} 49'32	4°16'57	minimum elong	-12729 Nov 07 j 17:56	20° \mathbb{O} 09'24	3°59'42
minimum elong	-12730 Nov 25 j 21:25	7° \mathbb{P} 50'50	4°17'15	min. Earth dist.	-12729 Nov 10 j 23:20	17° \mathbb{O} 21'03	0.60409 AU
min. Earth dist.	-12730 Nov 29 j 02:04	5° \mathbb{P} 26'08	0.58577 AU	morning rise	-12729 Nov 14 j 18:44	14° \mathbb{O} 33'06	
morning rise	-12730 Dec 03 j 12:43	2° \mathbb{P} 40'02		direct	-12729 Nov 21 j 14:35	12° \mathbb{O} 26'38	
direct	-12730 Dec 09 j 15:18	1° \mathbb{P} 08'12		morning max el	-12729 Dec 05 j 13:35	19° \mathbb{O} 48'25	27°05'09
desc. node	-12730 Dec 22 j 04:44	7° \mathbb{P} 01'55		desc. node	-12729 Dec 09 j 01:16	23° \mathbb{O} 26'13	
morning max el	-12730 Dec 23 j 15:54	8° \mathbb{P} 22'31	26°04'50		-12729 Dec 14 j 09:27	0° \mathbb{P}	
	-12729 Jan 08 j 23:01	0° \mathbb{A}			-12728 Jan 01 j 13:55	0° \mathbb{A}	
morning set	-12729 Jan 21 j 04:52	23° \mathbb{A} 10'02		morning set	-12728 Jan 05 j 14:09	8° \mathbb{A} 05'07	
	-12729 Jan 24 j 09:49	0° \mathbb{M}		max. Earth dist.	-12728 Jan 12 j 04:40	22° \mathbb{A} 13'33	1.32804 AU
superior conj	-12729 Jan 28 j 04:01	8° \mathbb{M} 10'57	-0°23'55	superior conj	-12728 Jan 12 j 15:54	23° \mathbb{A} 14'52	-0°44'49
minimum elong	-12729 Jan 28 j 04:59	8° \mathbb{M} 16'10	0°24'15	minimum elong	-12728 Jan 12 j 17:30	23° \mathbb{A} 23'38	0°44'51
max. Earth dist.	-12729 Jan 28 j 15:15	9° \mathbb{M} 12'14	1.32859 AU		-12728 Jan 15 j 18:12	0° \mathbb{M}	
asc. node	-12729 Jan 30 j 17:47	13° \mathbb{M} 46'48		asc. node	-12728 Jan 17 j 15:08	4° \mathbb{M} 02'10	
evening rise	-12729 Feb 04 j 07:56	23° \mathbb{M} 30'39		evening rise	-12728 Jan 19 j 16:55	8° \mathbb{M} 25'39	
	-12729 Feb 07 j 13:01	0° \mathbb{J}			-12728 Jan 31 j 01:39	0° \mathbb{J}	
	-12729 Feb 25 j 13:26	0° \mathbb{Z}		evening max el	-12728 Feb 16 j 15:08	22° \mathbb{J} 05'47	25°48'30
evening max el	-12729 Mar 06 j 16:30	10° \mathbb{Z} 37'23	26°51'20	retrograde	-12728 Mar 01 j 17:08	29° \mathbb{J} 19'11	
desc. node	-12729 Mar 20 j 06:13	18° \mathbb{Z} 03'26		desc. node	-12728 Mar 06 j 03:11	28° \mathbb{J} 31'46	
retrograde	-12729 Mar 20 j 19:04	18° \mathbb{Z} 04'11		evening set	-12728 Mar 07 j 04:49	28° \mathbb{J} 06'32	
evening set	-12729 Mar 27 j 03:05	16° \mathbb{Z} 17'18		min. Earth dist.	-12728 Mar 12 j 04:35	25° \mathbb{J} 11'34	0.58223 AU
min. Earth dist.	-12729 Mar 31 j 05:53	13° \mathbb{Z} 25'41	0.60150 AU	inferior conj	-12728 Mar 15 j 08:54	22° \mathbb{J} 52'31	-2°07'16
inferior conj	-12729 Apr 03 j 13:20	10° \mathbb{Z} 38'09	-2°55'42	minimum elong	-12728 Mar 15 j 05:32	22° \mathbb{J} 58'44	2°07'18
minimum elong	-12729 Apr 03 j 10:45	10° \mathbb{Z} 43'40	2°56'08	morning rise	-12728 Mar 23 j 09:24	18° \mathbb{J} 27'03	
morning rise	-12729 Apr 10 j 20:53	5° \mathbb{Z} 53'15		direct	-12728 Mar 25 j 16:07	18° \mathbb{J} 09'56	
direct	-12729 Apr 13 j 08:00	5° \mathbb{Z} 29'25		morning max el	-12728 Apr 02 j 20:34	22° \mathbb{J} 04'50	18°43'32
morning max el	-12729 Apr 20 j 12:53	9° \mathbb{Z} 01'19	18°13'28		-12728 Apr 09 j 02:52	0° \mathbb{Z}	
asc. node	-12729 Apr 28 j 16:46	20° \mathbb{Z} 10'03		asc. node	-12728 Apr 14 j 13:38	9° \mathbb{Z} 18'57	
	-12729 May 04 j 05:30	0° \mathbb{A}		morning set	-12728 Apr 19 j 04:39	18° \mathbb{Z} 05'54	
morning set	-12729 May 06 j 15:28	4° \mathbb{A} 29'14			-12728 Apr 25 j 08:18	0° \mathbb{A}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12728 Apr 28 j 05:20	5°≈27'31	1°36'47	minimum elong	-12727 Apr 11 j 06:34	18°≈30'05	1°18'29
minimum elong	-12728 Apr 28 j 02:28	5°≈14'05	1°35'54	max. Earth dist.	-12727 Apr 17 j 04:36	29°≈50'11	1.37382 AU
max. Earth dist.	-12728 May 05 j 03:31	18°≈05'49	1.39204 AU		-12727 Apr 17 j 06:42	0°≈	
evening rise	-12728 May 09 j 09:45	25°≈29'30		evening rise	-12727 Apr 21 j 05:13	7°≈10'48	
	-12728 May 12 j 02:05	0°≈			-12727 May 04 j 22:52	0°≈	
	-12728 May 31 j 18:46	0°≈		desc. node	-12727 May 19 j 22:36	21°≈03'46	
desc. node	-12728 Jun 02 j 01:05	1°≈43'42		evening max el	-12727 May 27 j 01:51	29°≈09'08	25°16'11
evening max el	-12728 Jun 13 j 16:26	15°≈49'12	23°57'10		-12727 May 27 j 22:39	0°≈	
retrograde	-12728 Jun 24 j 12:03	22°≈14'15		retrograde	-12727 Jun 07 j 23:31	6°≈09'19	
evening set	-12728 Jun 29 j 20:05	19°≈55'44		evening set	-12727 Jun 13 j 21:54	3°≈33'41	
min. Earth dist.	-12728 Jul 04 j 14:42	14°≈16'55	0.67153 AU		-12727 Jun 17 j 04:00	30°≈	
inferior conj	-12728 Jul 05 j 01:26	13°≈40'15	-1°53'14	min. Earth dist.	-12727 Jun 18 j 06:55	28°≈33'12	0.66724 AU
minimum elong	-12728 Jul 05 j 03:24	13°≈33'30	1°52'26	inferior conj	-12727 Jun 19 j 05:47	27°≈17'40	-2°29'02
morning rise	-12728 Jul 10 j 10:41	7°≈29'18		minimum elong	-12727 Jun 19 j 08:00	27°≈10'23	2°28'32
asc. node	-12728 Jul 11 j 14:52	6°≈43'24		morning rise	-12727 Jun 24 j 18:08	21°≈16'45	
direct	-12728 Jul 14 j 10:39	5°≈58'27		direct	-12727 Jun 28 j 08:13	20°≈02'01	
morning max el	-12728 Jul 22 j 20:23	10°≈58'29	20°59'52	asc. node	-12727 Jun 28 j 11:34	20°≈02'07	
	-12728 Aug 06 j 06:50	0°≈		morning max el	-12727 Jul 05 j 20:45	24°≈24'48	19°52'41
morning set	-12728 Aug 21 j 06:18	22°≈44'59			-12727 Jul 10 j 13:15	0°≈	
	-12728 Aug 25 j 20:40	0°≈			-12727 Jul 30 j 14:25	0°≈	
desc. node	-12728 Aug 28 j 21:28	4°≈51'38		morning set	-12727 Jul 31 j 09:56	1°≈16'04	
max. Earth dist.	-12728 Aug 30 j 06:52	7°≈06'52	1.42926 AU	max. Earth dist.	-12727 Aug 12 j 19:38	20°≈47'43	1.44064 AU
				desc. node	-12727 Aug 15 j 18:47	25°≈32'33	
superior conj	-12728 Sep 05 j 18:06	17°≈48'23	-0°45'51	superior conj	-12727 Aug 16 j 19:58	27°≈14'00	-0°06'16
minimum elong	-12728 Sep 05 j 14:24	17°≈32'49	0°44'36	minimum elong	-12727 Aug 16 j 19:21	27°≈11'31	0°05'31
	-12728 Sep 12 j 20:38	0°≈		behind sun begin	-12727 Aug 16 j 09:07	26°≈30'16	
evening rise	-12728 Sep 17 j 16:36	8°≈31'15		behind sun end	-12727 Aug 17 j 05:35	27°≈52'50	
	-12728 Sep 30 j 11:54	0°≈			-12727 Aug 18 j 13:00	0°≈	
evening max el	-12728 Oct 04 j 11:59	4°≈54'07	18°06'59	evening rise	-12727 Aug 30 j 18:39	20°≈17'36	
asc. node	-12728 Oct 07 j 15:07	7°≈24'01			-12727 Sep 05 j 12:43	0°≈	
retrograde	-12728 Oct 11 j 05:38	8°≈26'47		evening max el	-12727 Sep 18 j 01:46	18°≈18'34	18°18'54
evening set	-12728 Oct 13 j 18:59	7°≈55'47		retrograde	-12727 Sep 24 j 16:31	21°≈54'54	
inferior conj	-12728 Oct 20 j 12:34	2°≈44'18	3°23'57	asc. node	-12727 Sep 24 j 12:14	21°≈54'43	
minimum elong	-12728 Oct 20 j 08:42	2°≈53'55	3°23'45	evening set	-12727 Sep 27 j 10:08	21°≈15'21	
min. Earth dist.	-12728 Oct 23 j 05:30	0°≈03'29	0.62186 AU	inferior conj	-12727 Oct 03 j 17:10	15°≈46'09	2°38'01
	-12728 Oct 23 j 06:57	30°≈		minimum elong	-12727 Oct 03 j 13:42	15°≈55'42	2°37'46
morning rise	-12728 Oct 26 j 21:19	26°≈57'13		min. Earth dist.	-12727 Oct 05 j 21:52	13°≈20'27	0.63760 AU
direct	-12728 Nov 02 j 22:31	24°≈26'29		morning rise	-12727 Oct 09 j 16:28	9°≈44'40	
	-12728 Nov 14 j 15:28	0°≈		direct	-12727 Oct 16 j 14:02	7°≈02'31	
morning max el	-12728 Nov 16 j 17:49	1°≈54'58	27°32'28	morning max el	-12727 Oct 30 j 02:23	14°≈34'48	27°25'19
desc. node	-12728 Nov 24 j 21:50	11°≈11'22		desc. node	-12727 Nov 11 j 18:27	29°≈53'26	
	-12728 Dec 07 j 13:12	0°≈			-12727 Nov 11 j 20:18	0°≈	
morning set	-12728 Dec 19 j 18:50	22°≈44'40			-12727 Nov 30 j 01:36	0°≈	
	-12728 Dec 23 j 06:40	0°≈		morning set	-12727 Dec 03 j 16:17	6°≈58'42	
max. Earth dist.	-12728 Dec 25 j 15:33	5°≈03'47	1.33093 AU	max. Earth dist.	-12727 Dec 08 j 19:56	17°≈29'04	1.33760 AU
superior conj	-12728 Dec 27 j 02:53	8°≈14'43	-1°03'22	superior conj	-12727 Dec 11 j 11:06	23°≈02'56	-1°18'48
minimum elong	-12728 Dec 27 j 04:50	8°≈25'19	1°03'11	minimum elong	-12727 Dec 11 j 13:02	23°≈13'13	1°18'28
evening rise	-12727 Jan 03 j 03:51	23°≈24'20			-12727 Dec 14 j 17:00	0°≈	
asc. node	-12727 Jan 03 j 12:32	24°≈09'52		evening rise	-12727 Dec 18 j 14:59	8°≈19'27	
	-12727 Jan 06 j 08:53	0°≈		asc. node	-12727 Dec 21 j 09:57	14°≈03'56	
	-12727 Jan 25 j 08:58	0°≈			-12727 Dec 30 j 04:04	0°≈	
evening max el	-12727 Jan 28 j 09:09	3°≈05'49	24°23'45	evening max el	-12726 Jan 10 j 02:42	13°≈57'17	22°49'48
retrograde	-12727 Feb 11 j 03:36	9°≈56'47		retrograde	-12726 Jan 23 j 02:10	20°≈12'17	
evening set	-12727 Feb 15 j 13:59	9°≈12'38		evening set	-12726 Jan 26 j 13:34	19°≈45'51	
desc. node	-12727 Feb 20 j 23:59	6°≈36'34		min. Earth dist.	-12726 Feb 03 j 14:13	16°≈06'57	0.55655 AU
min. Earth dist.	-12727 Feb 21 j 22:36	6°≈01'54	0.56626 AU	inferior conj	-12726 Feb 04 j 15:06	15°≈30'43	0°49'15
inferior conj	-12727 Feb 24 j 08:46	4°≈29'16	-0°50'03	minimum elong	-12726 Feb 04 j 17:09	15°≈27'44	0°48'02
minimum elong	-12727 Feb 24 j 06:53	4°≈32'18	0°50'13	desc. node	-12726 Feb 07 j 20:42	13°≈41'47	
morning rise	-12727 Mar 05 j 02:47	0°≈19'47		morning rise	-12726 Feb 13 j 22:10	11°≈27'05	
direct	-12727 Mar 07 j 06:18	0°≈07'07		direct	-12726 Feb 16 j 04:17	11°≈14'55	
morning max el	-12727 Mar 16 j 20:41	4°≈39'46	19°33'19	morning max el	-12726 Feb 27 j 10:32	16°≈37'01	20°42'31
asc. node	-12727 Apr 01 j 10:37	28°≈53'30			-12726 Mar 09 j 11:41	0°≈	
	-12727 Apr 02 j 00:07	0°≈		morning set	-12726 Mar 18 j 09:13	16°≈51'43	
morning set	-12727 Apr 03 j 03:35	2°≈16'22		asc. node	-12726 Mar 19 j 07:42	18°≈46'49	
superior conj	-12727 Apr 11 j 09:36	18°≈44'56	1°19'37		-12726 Mar 24 j 18:09	0°≈	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12726 Mar 26 j 01:50	2°♄42'00	0°58'33	superior conj	-12725 Mar 10 j 02:30	17°♄07'45	0°35'34
minimum elong	-12726 Mar 25 j 23:23	2°♄29'34	0°57'22	minimum elong	-12725 Mar 10 j 00:59	16°♄59'50	0°34'30
max. Earth dist.	-12726 Mar 30 j 12:05	11°♄33'27	1.35789 AU	max. Earth dist.	-12725 Mar 13 j 05:50	23°♄38'43	1.34529 AU
evening rise	-12726 Apr 03 j 21:33	19°♄58'00			-12725 Mar 16 j 09:28	0°♄	
	-12726 Apr 09 j 10:56	0°♄		evening rise	-12725 Mar 18 j 05:12	3°♄34'18	
	-12726 Apr 28 j 21:29	0°♄			-12725 Apr 02 j 06:58	0°♄	
desc. node	-12726 May 06 j 20:00	9°♄42'43		evening max el	-12725 Apr 21 j 22:51	25°♄43'42	27°09'05
evening max el	-12726 May 09 j 11:53	12°♄29'40	26°22'59	desc. node	-12725 Apr 23 j 17:21	27°♄23'34	
retrograde	-12726 May 22 j 06:29	19°♄52'49			-12725 Apr 26 j 22:39	0°♄	
evening set	-12726 May 28 j 17:17	17°♄07'26		retrograde	-12725 May 05 j 08:07	3°♄17'12	
min. Earth dist.	-12726 Jun 01 j 18:10	12°♄46'06	0.65923 AU	evening set	-12725 May 12 j 03:33	0°♄32'34	
inferior conj	-12726 Jun 03 j 06:26	10°♄53'04	-2°57'19		-12725 May 12 j 18:57	30°♄	
minimum elong	-12726 Jun 03 j 08:27	10°♄46'47	2°57'14	min. Earth dist.	-12725 May 15 j 22:23	26°♄48'06	0.64732 AU
morning rise	-12726 Jun 08 j 23:47	5°♄04'53		inferior conj	-12725 May 18 j 01:03	24°♄22'33	-3°16'01
direct	-12726 Jun 12 j 05:51	4°♄04'16		minimum elong	-12725 May 18 j 02:21	24°♄18'48	3°16'22
asc. node	-12726 Jun 15 j 08:17	4°♄56'04		morning rise	-12725 May 24 j 01:37	18°♄49'35	
morning max el	-12726 Jun 19 j 03:12	7°♄57'30	18°59'51	direct	-12725 May 27 j 01:18	18°♄01'09	
	-12726 Jul 04 j 14:18	0°♄		asc. node	-12725 Jun 02 j 05:02	21°♄11'16	
morning set	-12726 Jul 11 j 02:13	10°♄22'18		morning max el	-12725 Jun 02 j 14:15	21°♄34'00	18°23'33
	-12726 Jul 23 j 10:38	0°♄			-12725 Jun 09 j 02:43	0°♄	
max. Earth dist.	-12726 Jul 26 j 11:22	4°♄47'45	1.44557 AU	morning set	-12725 Jun 21 j 18:17	20°♄34'04	
					-12725 Jun 27 j 11:16	0°♄	
superior conj	-12726 Jul 27 j 00:23	5°♄39'17	0°38'29	superior conj	-12725 Jul 06 j 02:19	13°♄58'33	1°17'13
minimum elong	-12726 Jul 27 j 04:52	5°♄57'01	0°38'26	minimum elong	-12725 Jul 06 j 08:53	14°♄24'49	1°16'50
desc. node	-12726 Aug 02 j 16:12	16°♄13'24		max. Earth dist.	-12725 Jul 09 j 03:34	18°♄50'35	1.44354 AU
	-12726 Aug 11 j 06:28	0°♄			-12725 Jul 16 j 05:02	0°♄	
evening rise	-12726 Aug 11 j 19:48	0°♄53'49		desc. node	-12725 Jul 20 j 13:41	6°♄50'32	
	-12726 Aug 30 j 23:07	0°♄		evening rise	-12725 Jul 22 j 17:24	10°♄12'55	
evening max el	-12726 Sep 01 j 14:27	1°♄48'39	18°48'29	greatest brilliancy	-12725 Aug 02 j 12:02	26°♄56'44	-0.7m
retrograde	-12726 Sep 08 j 09:20	5°♄37'02			-12725 Aug 04 j 12:20	0°♄	
evening set	-12726 Sep 11 j 09:38	4°♄45'45		evening max el	-12725 Aug 15 j 23:17	15°♄19'05	19°34'32
asc. node	-12726 Sep 11 j 09:17	4°♄46'15		retrograde	-12725 Aug 23 j 05:13	19°♄28'33	
	-12726 Sep 16 j 12:17	30°♄		evening set	-12725 Aug 26 j 14:31	18°♄22'02	
inferior conj	-12726 Sep 17 j 07:40	29°♄01'56	1°47'12	asc. node	-12725 Aug 29 j 06:17	16°♄01'51	
minimum elong	-12726 Sep 17 j 05:12	29°♄09'21	1°47'09	inferior conj	-12725 Sep 01 j 05:17	12°♄26'27	0°54'55
min. Earth dist.	-12726 Sep 18 j 23:47	27°♄00'51	0.65056 AU	minimum elong	-12725 Sep 01 j 04:02	12°♄30'31	0°55'13
morning rise	-12726 Sep 23 j 00:13	22°♄49'52		min. Earth dist.	-12725 Sep 02 j 09:28	10°♄55'35	0.66050 AU
direct	-12726 Sep 29 j 12:14	20°♄08'24		morning rise	-12725 Sep 06 j 17:12	6°♄07'48	
morning max el	-12726 Oct 12 j 12:37	27°♄36'33	26°47'31	direct	-12725 Sep 12 j 16:17	3°♄36'08	
	-12726 Oct 14 j 20:04	0°♄		morning max el	-12725 Sep 24 j 22:42	10°♄48'38	25°46'01
desc. node	-12726 Oct 29 j 15:10	19°♄16'13			-12725 Oct 10 j 08:39	0°♄	
	-12726 Nov 05 j 11:55	0°♄		desc. node	-12725 Oct 16 j 11:59	9°♄07'33	
morning set	-12726 Nov 17 j 03:13	20°♄36'49			-12725 Oct 29 j 01:36	0°♄	
max. Earth dist.	-12726 Nov 21 j 14:43	29°♄23'09	1.34849 AU	morning set	-12725 Oct 30 j 23:21	3°♄26'20	
	-12726 Nov 21 j 22:03	0°♄		max. Earth dist.	-12725 Nov 03 j 22:57	10°♄52'00	1.36356 AU
superior conj	-12726 Nov 25 j 14:30	7°♄32'46	-1°30'07	superior conj	-12725 Nov 09 j 10:25	21°♄35'40	-1°36'04
minimum elong	-12726 Nov 25 j 15:57	7°♄40'17	1°29'43	minimum elong	-12725 Nov 09 j 10:51	21°♄37'50	1°35'34
evening rise	-12726 Dec 03 j 00:43	23°♄05'45			-12725 Nov 13 j 13:45	0°♄	
	-12726 Dec 06 j 10:21	0°♄		evening rise	-12725 Nov 17 j 07:15	7°♄37'38	
asc. node	-12726 Dec 08 j 07:23	3°♄38'26		asc. node	-12725 Nov 25 j 04:48	22°♄46'08	
evening max el	-12726 Dec 23 j 01:24	25°♄04'02	21°19'36		-12725 Nov 29 j 18:03	0°♄	
	-12726 Dec 31 j 00:19	0°♄		evening max el	-12725 Dec 05 j 09:11	6°♄41'04	20°02'49
retrograde	-12725 Jan 03 j 16:50	0°♄32'46		retrograde	-12725 Dec 15 j 10:55	11°♄25'03	
evening set	-12725 Jan 06 j 14:07	0°♄13'44		evening set	-12725 Dec 18 j 01:52	11°♄07'16	
	-12725 Jan 07 j 12:20	30°♄		inferior conj	-12725 Dec 26 j 15:02	7°♄04'42	3°41'21
inferior conj	-12725 Jan 15 j 12:49	26°♄13'53	2°28'42	minimum elong	-12725 Dec 26 j 20:00	6°♄57'03	3°40'25
minimum elong	-12725 Jan 15 j 18:17	26°♄06'02	2°26'52	min. Earth dist.	-12725 Dec 28 j 17:25	5°♄47'17	0.56225 AU
min. Earth dist.	-12725 Jan 16 j 04:21	25°♄51'35	0.55520 AU	morning rise	-12724 Jan 04 j 12:17	2°♄31'54	
morning rise	-12725 Jan 24 j 21:42	22°♄01'18		direct	-12724 Jan 08 j 15:15	1°♄54'11	
desc. node	-12725 Jan 25 j 17:24	21°♄52'14		desc. node	-12724 Jan 12 j 14:03	2°♄29'50	
direct	-12725 Jan 27 j 19:38	21°♄42'24		morning max el	-12724 Jan 22 j 06:17	8°♄41'13	23°44'39
morning max el	-12725 Feb 09 j 12:54	27°♄53'47	22°08'35		-12724 Feb 06 j 16:56	0°♄	
	-12725 Feb 11 j 14:15	0°♄		morning set	-12724 Feb 15 j 07:16	16°♄46'42	
	-12725 Mar 01 j 22:59	0°♄		asc. node	-12724 Feb 21 j 02:04	29°♄08'05	
morning set	-12725 Mar 02 j 19:07	1°♄44'02			-12724 Feb 21 j 11:43	0°♄	
asc. node	-12725 Mar 06 j 04:50	8°♄53'10					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12724 Feb 22 j 08:55	1°♄53'52	0°12'01			-12723 Jan 28 j 22:18	0°♌	
minimum elong	-12724 Feb 22 j 08:26	1°♄51'17	0°11'13	morning set		-12723 Jan 29 j 19:44	1°♌51'54	
behind sun begin	-12724 Feb 22 j 04:46	1°♄31'33						
behind sun end	-12724 Feb 22 j 12:07	2°♄11'00		superior conj		-12723 Feb 05 j 18:53	16°♌52'04	-0°11'07
max. Earth dist.	-12724 Feb 24 j 09:17	6°♄11'49	1.33618 AU	minimum elong		-12723 Feb 05 j 19:21	16°♌54'39	0°11'37
evening rise	-12724 Feb 29 j 23:47	17°♄46'00		behind sun begin		-12723 Feb 05 j 15:55	16°♌36'00	
	-12724 Mar 07 j 09:20	0°♄		behind sun end		-12723 Feb 05 j 22:47	17°♌13'18	
	-12724 Mar 26 j 16:59	0°♄		asc. node		-12723 Feb 06 j 23:20	19°♌26'28	
evening max el	-12724 Apr 03 j 09:01	8°♄39'49	27°27'27	max. Earth dist.		-12723 Feb 06 j 19:21	19°♌04'51	1.33042 AU
desc. node	-12724 Apr 09 j 14:37	13°♄43'00				-12723 Feb 11 j 22:29	0°♄	
retrograde	-12724 Apr 17 j 03:39	16°♄14'49		evening rise		-12723 Feb 13 j 01:51	2°♄21'00	
evening set	-12724 Apr 24 j 01:40	13°♄43'23				-12723 Feb 28 j 07:38	0°♄	
min. Earth dist.	-12724 Apr 27 j 17:58	10°♄29'09	0.63167 AU	evening max el		-12723 Mar 16 j 15:51	21°♄05'22	27°13'48
inferior conj	-12724 Apr 30 j 10:55	7°♄41'10	-3°22'11	desc. node		-12723 Mar 27 j 11:46	28°♄09'39	
minimum elong	-12724 Apr 30 j 10:56	7°♄41'06	3°22'49	retrograde		-12723 Mar 30 j 16:15	28°♄36'44	
morning rise	-12724 May 06 j 21:15	2°♄25'48		evening set		-12723 Apr 06 j 08:20	26°♄30'39	
direct	-12724 May 09 j 15:45	1°♄47'56		min. Earth dist.		-12723 Apr 10 j 04:23	23°♄35'10	0.61300 AU
morning max el	-12724 May 16 j 03:50	5°♄10'44	18°05'01	inferior conj		-12723 Apr 13 j 08:42	20°♄41'11	-3°11'34
asc. node	-12724 May 19 j 01:48	8°♄32'07		minimum elong		-12723 Apr 13 j 07:02	20°♄44'59	3°12'11
	-12724 Jun 01 j 08:34	0°♄		morning rise		-12723 Apr 20 j 07:41	15°♄45'10	
morning set	-12724 Jun 02 j 11:11	1°♄55'56		direct		-12723 Apr 22 j 21:30	15°♄16'37	
				morning max el		-12723 Apr 29 j 17:25	18°♄41'13	18°04'58
superior conj	-12724 Jun 14 j 22:32	23°♄11'51	1°41'07	asc. node		-12723 May 05 j 22:36	26°♄43'42	
minimum elong	-12724 Jun 15 j 02:30	23°♄28'15	1°40'49			-12723 May 07 j 23:16	0°♄	
	-12724 Jun 19 j 02:01	0°♄		morning set		-12723 May 16 j 00:58	14°♄18'45	
max. Earth dist.	-12724 Jun 20 j 17:21	2°♄39'17	1.43482 AU			-12723 May 24 j 18:09	0°♄	
evening rise	-12724 Jun 30 j 19:40	18°♄38'11						
desc. node	-12724 Jul 06 j 11:12	27°♄20'41		superior conj		-12723 May 26 j 21:31	3°♄44'41	1°48'53
	-12724 Jul 08 j 05:00	0°♄		minimum elong		-12723 May 26 j 21:43	3°♄45'34	1°48'31
evening max el	-12724 Jul 29 j 02:04	28°♄46'30	20°35'26	max. Earth dist.		-12723 Jun 03 j 01:52	15°♄55'56	1.42053 AU
	-12724 Jul 30 j 08:22	0°♄		evening rise		-12723 Jun 09 j 23:35	27°♄08'22	
retrograde	-12724 Aug 06 j 01:54	3°♄26'37				-12723 Jun 11 j 18:59	0°♄	
evening set	-12724 Aug 09 j 22:19	2°♄01'42		desc. node		-12723 Jun 23 j 08:46	17°♄39'51	
	-12724 Aug 12 j 02:43	30°♄				-12723 Jul 01 j 24:00	0°♄	
inferior conj	-12724 Aug 15 j 07:45	25°♄57'09	0°03'33	evening max el		-12723 Jul 11 j 21:45	12°♄09'31	21°48'36
minimum elong	-12724 Aug 15 j 07:39	25°♄57'28	0°04'11	retrograde		-12723 Jul 20 j 21:40	17°♄28'48	
transit middle	-12724 Aug 15 j 07:39	25°♄57'28	0°04'11	evening set		-12723 Jul 25 j 06:57	15°♄43'15	
transit begin	-12724 Aug 15 j 05:01	26°♄06'24		inferior conj		-12723 Jul 30 j 13:05	9°♄32'26	-0°45'09
transit end	-12724 Aug 15 j 10:18	25°♄48'32		minimum elong		-12723 Jul 30 j 13:59	9°♄29'17	0°44'18
asc. node	-12724 Aug 15 j 03:11	26°♄12'32		min. Earth dist.		-12723 Jul 30 j 19:32	9°♄10'08	0.67138 AU
min. Earth dist.	-12724 Aug 16 j 00:49	24°♄59'34	0.66743 AU	asc. node		-12723 Aug 02 j 00:00	6°♄15'11	
morning rise	-12724 Aug 20 j 16:49	19°♄35'45		morning rise		-12723 Aug 04 j 20:56	3°♄12'06	
direct	-12724 Aug 26 j 01:40	17°♄19'27		direct		-12723 Aug 09 j 15:54	1°♄13'28	
morning max el	-12724 Sep 06 j 08:34	24°♄04'05	24°29'07	morning max el		-12723 Aug 19 j 19:44	7°♄20'34	23°05'38
	-12724 Sep 11 j 15:57	0°♄				-12723 Sep 06 j 07:58	0°♄	
desc. node	-12724 Oct 02 j 08:52	29°♄18'55		desc. node		-12723 Sep 19 j 05:51	19°♄44'25	
	-12724 Oct 02 j 19:15	0°♄		morning set		-12723 Sep 22 j 23:03	25°♄46'45	
morning set	-12724 Oct 11 j 23:33	15°♄13'11				-12723 Sep 25 j 11:54	0°♄	
max. Earth dist.	-12724 Oct 15 j 23:49	22°♄18'48	1.38197 AU	max. Earth dist.		-12723 Sep 27 j 23:19	4°♄12'26	1.40174 AU
	-12724 Oct 20 j 04:00	0°♄						
superior conj	-12724 Oct 22 j 19:19	5°♄00'49	-1°35'01	superior conj		-12723 Oct 05 j 12:43	17°♄36'00	-1°24'54
minimum elong	-12724 Oct 22 j 18:14	4°♄55'34	1°34'19	minimum elong		-12723 Oct 05 j 09:52	17°♄22'58	1°23'55
evening rise	-12724 Oct 31 j 08:26	21°♄48'37				-12723 Oct 12 j 03:57	0°♄	
	-12724 Nov 04 j 13:38	0°♄		evening rise		-12723 Oct 15 j 01:41	5°♄32'10	
asc. node	-12724 Nov 11 j 02:11	11°♄17'29		asc. node		-12723 Oct 28 j 23:29	29°♄01'03	
evening max el	-12724 Nov 17 j 03:09	18°♄51'30	19°04'32			-12723 Oct 29 j 19:24	0°♄	
retrograde	-12724 Nov 25 j 19:14	23°♄00'42		evening max el		-12723 Oct 31 j 06:14	1°♄32'16	18°26'30
evening set	-12724 Nov 28 j 07:12	22°♄41'28		retrograde		-12723 Nov 07 j 21:08	5°♄18'32	
inferior conj	-12724 Dec 06 j 08:14	18°♄23'31	4°14'32	evening set		-12723 Nov 10 j 08:02	4°♄56'15	
minimum elong	-12724 Dec 06 j 09:40	18°♄21'01	4°14'39	inferior conj		-12723 Nov 17 j 20:32	0°♄17'51	4°12'32
min. Earth dist.	-12724 Dec 09 j 07:12	16°♄19'55	0.57590 AU	minimum elong		-12723 Nov 17 j 18:36	0°♄21'47	4°12'47
morning rise	-12724 Dec 14 j 10:09	13°♄26'49				-12723 Nov 18 j 05:20	30°♄	
direct	-12724 Dec 19 j 21:05	12°♄17'04		min. Earth dist.		-12723 Nov 21 j 01:01	27°♄44'10	0.59338 AU
desc. node	-12724 Dec 29 j 10:39	15°♄44'16		morning rise		-12723 Nov 25 j 03:24	24°♄59'11	
morning max el	-12723 Jan 02 j 20:59	19°♄24'18	25°18'15	direct		-12723 Dec 01 j 14:36	23°♄11'54	
	-12723 Jan 11 j 20:07	0°♄				-12723 Dec 15 j 02:27	0°♄	
				morning max el		-12723 Dec 15 j 15:20	0°♄30'20	26°34'15

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12723 Dec 16 j 07:13	1° \mathbb{M} 08'58		morning max el	-12722 Nov 27 j 15:50	12° \mathcal{Q} 12'54	27°20'59
	-12722 Jan 05 j 15:24	0° \mathcal{A}		desc. node	-12722 Dec 03 j 03:45	18° \mathcal{Q} 10'27	
morning set	-12722 Jan 14 j 06:44	16° \mathcal{A} 52'45			-12722 Dec 11 j 21:01	0° \mathbb{M}	
	-12722 Jan 20 j 09:21	0° \mathbb{M}			-12722 Dec 28 j 18:27	0° \mathcal{A}	
				morning set	-12722 Dec 29 j 14:19	1° \mathcal{A} 41'44	
superior conj	-12722 Jan 21 j 06:33	1° \mathbb{M} 55'45	-0°33'01	max. Earth dist.	-12721 Jan 04 j 20:58	15° \mathcal{A} 02'39	1.32875 AU
minimum elong	-12722 Jan 21 j 07:48	2° \mathbb{M} 02'39	0°33'13				
max. Earth dist.	-12722 Jan 21 j 08:26	2° \mathbb{M} 06'07	1.32792 AU	superior conj	-12721 Jan 05 j 18:15	16° \mathcal{A} 58'30	-0°53'01
asc. node	-12722 Jan 24 j 20:39	9° \mathbb{M} 44'05		minimum elong	-12721 Jan 05 j 20:02	17° \mathcal{A} 08'16	0°52'57
evening rise	-12722 Jan 28 j 08:53	17° \mathbb{M} 10'38		asc. node	-12721 Jan 11 j 18:03	29° \mathcal{A} 56'34	
	-12722 Feb 03 j 20:22	0° \mathcal{A}			-12721 Jan 11 j 18:41	0° \mathbb{M}	
	-12722 Feb 23 j 21:44	0° \mathcal{B}		evening rise	-12721 Jan 12 j 18:52	2° \mathbb{M} 07'30	
evening max el	-12722 Feb 26 j 17:29	2° \mathcal{B} 53'58	26°27'50		-12721 Jan 28 j 02:50	0° \mathcal{A}	
retrograde	-12722 Mar 12 j 20:33	10° \mathcal{B} 16'44		evening max el	-12721 Feb 08 j 13:54	14° \mathcal{A} 08'48	25°14'35
desc. node	-12722 Mar 14 j 08:49	10° \mathcal{B} 10'52		retrograde	-12721 Feb 22 j 14:18	21° \mathcal{A} 14'28	
evening set	-12722 Mar 18 j 20:55	8° \mathcal{B} 44'14		evening set	-12721 Feb 27 j 15:07	20° \mathcal{A} 15'20	
min. Earth dist.	-12722 Mar 23 j 06:54	5° \mathcal{B} 52'53	0.59313 AU	desc. node	-12721 Mar 01 j 05:44	19° \mathcal{A} 33'04	
inferior conj	-12722 Mar 26 j 14:47	3° \mathcal{B} 14'30	-2°38'36	min. Earth dist.	-12721 Mar 05 j 03:39	17° \mathcal{A} 14'48	0.57479 AU
minimum elong	-12722 Mar 26 j 11:40	3° \mathcal{B} 20'44	2°38'51	inferior conj	-12721 Mar 08 j 02:07	15° \mathcal{A} 13'42	-1°38'02
	-12722 Mar 31 j 03:21	30° \mathcal{R} \mathcal{A}		minimum elong	-12721 Mar 07 j 23:01	15° \mathcal{A} 19'04	1°37'59
morning rise	-12722 Apr 03 j 05:21	28° \mathcal{A} 38'21		morning rise	-12721 Mar 16 j 10:10	10° \mathcal{A} 55'35	
direct	-12722 Apr 05 j 14:28	28° \mathcal{A} 17'44		direct	-12721 Mar 18 j 15:01	10° \mathcal{A} 40'49	
	-12722 Apr 10 j 18:11	0° \mathcal{B}		morning max el	-12721 Mar 27 j 09:02	14° \mathcal{A} 50'33	19°02'14
morning max el	-12722 Apr 13 j 04:10	1° \mathcal{B} 57'31	18°23'51		-12721 Apr 07 j 00:31	0° \mathcal{B}	
asc. node	-12722 Apr 22 j 19:25	15° \mathcal{B} 34'26		asc. node	-12721 Apr 09 j 16:21	4° \mathcal{B} 55'27	
morning set	-12722 Apr 29 j 06:50	27° \mathcal{B} 31'18		morning set	-12721 Apr 13 j 00:38	11° \mathcal{B} 23'55	
	-12722 Apr 30 j 14:10	0° \approx					
				superior conj	-12721 Apr 21 j 16:40	28° \mathcal{B} 21'12	1°30'08
superior conj	-12722 May 08 j 21:16	15° \approx 32'12	1°43'51	minimum elong	-12721 Apr 21 j 13:36	28° \mathcal{B} 06'33	1°29'07
minimum elong	-12722 May 08 j 19:03	15° \approx 22'05	1°43'11		-12721 Apr 22 j 13:22	0° \approx	
max. Earth dist.	-12722 May 16 j 04:15	28° \approx 28'52	1.40280 AU	max. Earth dist.	-12721 Apr 28 j 04:14	10° \approx 25'51	1.38413 AU
	-12722 May 17 j 01:29	0° \mathcal{H}		evening rise	-12721 May 02 j 05:57	17° \approx 38'53	
evening rise	-12722 May 21 j 00:55	6° \mathcal{H} 41'31			-12721 May 09 j 14:46	0° \mathcal{H}	
	-12722 Jun 04 j 22:17	0° \mathcal{Y}		desc. node	-12721 May 28 j 03:54	27° \mathcal{H} 20'43	
desc. node	-12722 Jun 10 j 06:20	7° \mathcal{Y} 42'11			-12721 May 30 j 05:15	0° \mathcal{Y}	
evening max el	-12722 Jun 24 j 11:14	25° \mathcal{Y} 28'48	23°09'38	evening max el	-12721 Jun 06 j 21:27	8° \mathcal{Y} 48'58	24°31'44
	-12722 Jun 29 j 22:26	0° \mathcal{B}		retrograde	-12721 Jun 18 j 04:48	15° \mathcal{Y} 30'12	
retrograde	-12722 Jul 04 j 15:00	1° \mathcal{B} 31'01		evening set	-12721 Jun 23 j 18:56	13° \mathcal{Y} 04'05	
	-12722 Jul 08 j 20:32	30° \mathcal{R} \mathcal{Y}		min. Earth dist.	-12721 Jun 28 j 09:24	7° \mathcal{Y} 41'02	0.67015 AU
evening set	-12722 Jul 09 j 14:27	29° \mathcal{Y} 24'17		inferior conj	-12721 Jun 29 j 01:04	6° \mathcal{Y} 48'07	-2°09'15
inferior conj	-12722 Jul 14 j 19:26	23° \mathcal{Y} 09'44	-1°29'51	minimum elong	-12721 Jun 29 j 03:11	6° \mathcal{Y} 40'57	2°08'33
minimum elong	-12722 Jul 14 j 21:06	23° \mathcal{Y} 03'58	1°28'58	morning rise	-12721 Jul 04 j 11:23	0° \mathcal{Y} 40'47	
min. Earth dist.	-12722 Jul 14 j 15:12	23° \mathcal{Y} 24'21	0.67235 AU		-12721 Jul 05 j 13:07	30° \mathcal{R} \mathcal{H}	
asc. node	-12722 Jul 19 j 20:44	17° \mathcal{Y} 08'24		asc. node	-12721 Jul 06 j 17:27	29° \mathcal{H} 30'41	
morning rise	-12722 Jul 20 j 03:40	16° \mathcal{Y} 54'09		direct	-12721 Jul 08 j 06:57	29° \mathcal{H} 16'52	
direct	-12722 Jul 24 j 10:03	15° \mathcal{Y} 13'24			-12721 Jul 11 j 04:23	0° \mathcal{Y}	
morning max el	-12722 Aug 02 j 10:27	20° \mathcal{Y} 38'02	21°43'35	morning max el	-12721 Jul 16 j 06:57	4° \mathcal{Y} 00'21	20°29'36
	-12722 Aug 10 j 04:31	0° \mathcal{B}			-12721 Aug 04 j 04:20	0° \mathcal{B}	
	-12722 Aug 30 j 14:44	0° \mathbb{I}		morning set	-12721 Aug 13 j 01:45	13° \mathcal{B} 40'21	
morning set	-12722 Sep 02 j 20:46	5° \mathbb{I} 06'25			-12721 Aug 23 j 09:42	0° \mathbb{I}	
desc. node	-12722 Sep 06 j 02:57	10° \mathbb{I} 18'45		max. Earth dist.	-12721 Aug 23 j 12:16	0° \mathbb{I} 10'19	1.43489 AU
max. Earth dist.	-12722 Sep 10 j 02:36	16° \mathbb{I} 48'54	1.42024 AU	desc. node	-12721 Aug 24 j 00:12	0° \mathbb{I} 58'21	
superior conj	-12722 Sep 17 j 08:55	29° \mathbb{I} 05'48	-1°03'38	superior conj	-12721 Aug 29 j 02:47	9° \mathbb{I} 18'01	-0°30'12
minimum elong	-12722 Sep 17 j 04:57	28° \mathbb{I} 48'36	1°02'24	minimum elong	-12721 Aug 28 j 23:58	9° \mathbb{I} 06'24	0°29'06
	-12722 Sep 17 j 21:25	0° \mathcal{B}			-12721 Sep 10 j 07:39	0° \mathcal{B}	
evening rise	-12722 Sep 28 j 07:24	18° \mathcal{B} 38'55		evening rise	-12721 Sep 10 j 21:07	0° \mathcal{B} 58'28	
	-12722 Oct 04 j 14:40	0° \mathcal{Q}		evening max el	-12721 Sep 28 j 05:03	27° \mathcal{B} 54'49	18°09'53
evening max el	-12722 Oct 14 j 15:51	14° \mathcal{Q} 35'43	18°08'35		-12721 Sep 30 j 15:47	0° \mathcal{Q}	
asc. node	-12722 Oct 15 j 20:44	15° \mathcal{Q} 42'10		asc. node	-12721 Oct 02 j 17:54	1° \mathcal{Q} 05'09	
retrograde	-12722 Oct 21 j 14:44	18° \mathcal{Q} 10'14		retrograde	-12721 Oct 04 j 20:23	1° \mathcal{Q} 27'34	
evening set	-12722 Oct 24 j 02:36	17° \mathcal{Q} 43'03		evening set	-12721 Oct 07 j 11:22	0° \mathcal{Q} 53'11	
inferior conj	-12722 Oct 31 j 02:53	12° \mathcal{Q} 43'26	3°46'10		-12721 Oct 09 j 02:08	30° \mathcal{R} \mathcal{B}	
minimum elong	-12722 Oct 30 j 23:15	12° \mathcal{Q} 51'50	3°46'07	inferior conj	-12721 Oct 14 j 00:19	25° \mathcal{B} 33'57	3°05'17
min. Earth dist.	-12722 Nov 03 j 01:58	9° \mathcal{Q} 59'45	0.61181 AU	minimum elong	-12721 Oct 13 j 20:31	25° \mathcal{B} 43'51	3°05'02
morning rise	-12722 Nov 06 j 18:32	7° \mathcal{Q} 06'03		min. Earth dist.	-12721 Oct 16 j 12:17	22° \mathcal{B} 58'07	0.62896 AU
direct	-12722 Nov 13 j 18:04	4° \mathcal{Q} 47'18		morning rise	-12721 Oct 20 j 04:42	19° \mathcal{B} 40'36	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12721 Oct 27 j 05:29	17° ☿ 03'13		evening set	-12720 Sep 20 j 06:32	14° ☿ 18'35	
morning max el	-12721 Nov 09 j 21:56	24° ☿ 33'27	27°33'25	inferior conj	-12720 Sep 26 j 09:30	8° ☿ 42'34	2°16'48
	-12721 Nov 14 j 23:17	0° ♊		minimum elong	-12720 Sep 26 j 06:25	8° ☿ 51'25	2°16'36
desc. node	-12721 Nov 20 j 00:20	6° ♊ 21'54		min. Earth dist.	-12720 Sep 28 j 08:41	6° ☿ 26'49	0.64350 AU
	-12721 Dec 05 j 03:23	0° ♋		morning rise	-12720 Oct 02 j 05:40	2° ☿ 36'19	
morning set	-12721 Dec 13 j 16:14	16° ♋ 10'54			-12720 Oct 07 j 14:23	30° ♋ II	
max. Earth dist.	-12721 Dec 19 j 05:24	27° ♋ 42'35	1.33326 AU	direct	-12720 Oct 08 j 23:44	29° II 53'27	
	-12721 Dec 20 j 07:05	0° ♌			-12720 Oct 10 j 09:53	0° ☿	
				morning max el	-12720 Oct 22 j 07:30	7° ☿ 24'19	27°12'41
superior conj	-12721 Dec 21 j 04:16	1° ♌ 53'55	-1°10'21	desc. node	-12720 Nov 05 j 21:00	25° ☿ 23'18	
minimum elong	-12721 Dec 21 j 06:16	2° ♌ 04'40	1°10'07		-12720 Nov 08 j 23:38	0° ♊	
evening rise	-12721 Dec 28 j 06:04	17° ♌ 05'09		morning set	-12720 Nov 26 j 09:41	0° ♋ 11'20	
asc. node	-12721 Dec 29 j 15:28	19° ♌ 58'58			-12720 Nov 26 j 07:21	0° ♋	
	-12720 Jan 03 j 17:24	0° ♍		max. Earth dist.	-12720 Dec 01 j 06:16	9° ♋ 56'25	1.34174 AU
evening max el	-12720 Jan 21 j 07:19	25° ♍ 02'44	23°44'14				
	-12720 Jan 28 j 03:43	0° ♎		superior conj	-12720 Dec 04 j 10:46	16° ♋ 35'39	-1°24'10
retrograde	-12720 Feb 03 j 19:10	1° ♎ 39'19		minimum elong	-12720 Dec 04 j 12:33	16° ♋ 45'04	1°23'49
evening set	-12720 Feb 07 j 18:59	1° ♎ 04'16			-12720 Dec 10 j 18:22	0° ♌	
	-12720 Feb 10 j 15:29	30° ♋ II		evening rise	-12720 Dec 11 j 16:52	1° ♌ 57'57	
min. Earth dist.	-12720 Feb 14 j 20:29	27° ♍ 43'23	0.56117 AU	asc. node	-12720 Dec 15 j 12:53	9° ♌ 45'56	
desc. node	-12720 Feb 16 j 02:33	26° ♍ 57'47			-12720 Dec 27 j 18:08	0° ♍	
inferior conj	-12720 Feb 16 j 17:53	26° ♍ 34'22	-0°09'41	evening max el	-12719 Jan 02 j 02:23	5° ♍ 58'10	22°10'16
minimum elong	-12720 Feb 16 j 17:28	26° ♍ 35'00	0°10'13	retrograde	-12719 Jan 14 j 13:09	11° ♍ 54'06	
transit middle	-12720 Feb 16 j 17:28	26° ♍ 35'00	0°10'13	evening set	-12719 Jan 17 j 17:42	11° ♍ 31'37	
transit begin	-12720 Feb 16 j 14:25	26° ♍ 39'39		inferior conj	-12719 Jan 26 j 19:05	7° ♍ 25'06	1°33'09
transit end	-12720 Feb 16 j 20:31	26° ♍ 30'21		minimum elong	-12719 Jan 26 j 22:54	7° ♍ 19'38	1°31'29
morning rise	-12720 Feb 25 j 18:19	22° ♍ 28'39		min. Earth dist.	-12719 Jan 26 j 11:05	7° ♍ 36'32	0.55492 AU
direct	-12720 Feb 27 j 21:59	22° ♍ 16'42		desc. node	-12719 Feb 01 j 23:16	4° ♍ 16'31	
morning max el	-12720 Mar 09 j 04:57	27° ♍ 09'41	20°00'27	morning rise	-12719 Feb 05 j 04:40	3° ♍ 19'56	
	-12720 Mar 11 j 20:53	0° ♎		direct	-12719 Feb 07 j 15:48	3° ♍ 06'02	
asc. node	-12720 Mar 26 j 13:23	24° ♎ 38'48		morning max el	-12719 Feb 19 j 13:51	8° ♍ 49'15	21°17'25
morning set	-12720 Mar 27 j 02:48	25° ♎ 46'17			-12719 Mar 06 j 03:32	0° ♎	
	-12720 Mar 29 j 04:52	0° ♏		morning set	-12719 Mar 11 j 10:34	10° ♎ 30'05	
				asc. node	-12719 Mar 13 j 10:31	14° ♎ 38'31	
superior conj	-12720 Apr 04 j 02:31	11° ♏ 56'50	1°11'02				
minimum elong	-12720 Apr 03 j 23:40	11° ♏ 42'38	1°09'51	superior conj	-12719 Mar 18 j 22:44	26° ♎ 07'24	0°48'58
max. Earth dist.	-12720 Apr 09 j 07:48	22° ♏ 08'21	1.36672 AU	minimum elong	-12719 Mar 18 j 20:40	25° ♎ 56'43	0°47'48
evening rise	-12720 Apr 13 j 11:04	29° ♏ 50'35			-12719 Mar 20 j 20:06	0° ♏	
	-12720 Apr 13 j 13:08	0° ♐		max. Earth dist.	-12719 Mar 22 j 19:43	4° ♏ 00'14	1.35210 AU
	-12720 May 01 j 19:38	0° ♑		evening rise	-12719 Mar 27 j 10:31	13° ♏ 00'21	
desc. node	-12720 May 14 j 01:23	16° ♑ 25'14			-12719 Apr 05 j 22:28	0° ♐	
evening max el	-12720 May 19 j 07:12	22° ♑ 10'36	25°46'34		-12719 Apr 26 j 16:31	0° ♑	
retrograde	-12720 May 31 j 14:16	29° ♑ 21'12		desc. node	-12719 Apr 30 j 22:48	4° ♑ 41'58	
evening set	-12720 Jun 06 j 18:18	26° ♑ 40'32		evening max el	-12719 May 01 j 17:41	5° ♑ 29'21	26°45'27
min. Earth dist.	-12720 Jun 10 j 23:47	21° ♑ 56'43	0.66440 AU	retrograde	-12719 May 14 j 18:55	12° ♑ 57'52	
inferior conj	-12720 Jun 12 j 04:07	20° ♑ 25'12	-2°42'04	evening set	-12719 May 21 j 10:10	10° ♑ 11'07	
minimum elong	-12720 Jun 12 j 06:18	20° ♑ 18'08	2°41'43	min. Earth dist.	-12719 May 25 j 08:07	6° ♑ 06'17	0.65472 AU
morning rise	-12720 Jun 17 j 18:20	14° ♑ 29'18		inferior conj	-12719 May 27 j 02:30	3° ♑ 58'28	-3°06'34
direct	-12720 Jun 21 j 04:54	13° ♑ 20'37		minimum elong	-12719 May 27 j 04:16	3° ♑ 53'05	3°06'40
asc. node	-12720 Jun 22 j 14:10	13° ♑ 31'15			-12719 May 30 j 16:43	30° ♋ III	
morning max el	-12720 Jun 28 j 09:59	17° ♑ 29'21	19°28'14	morning rise	-12719 Jun 01 j 22:40	28° ♋ 16'43	
	-12720 Jul 07 j 22:24	0° ♒		direct	-12719 Jun 05 j 01:53	27° ♋ 21'28	
morning set	-12720 Jul 22 j 08:45	22° ♒ 21'12		asc. node	-12719 Jun 09 j 10:55	29° ♋ 01'50	
	-12720 Jul 27 j 05:30	0° ♓			-12719 Jun 10 j 15:38	0° ♑	
max. Earth dist.	-12720 Aug 05 j 03:06	14° ♓ 03'17	1.44368 AU	morning max el	-12719 Jun 11 j 18:41	1° ♑ 04'27	18°42'20
					-12719 Jul 01 j 06:28	0° ♒	
superior conj	-12720 Aug 07 j 17:59	18° ♓ 13'26	0°12'43	morning set	-12719 Jul 02 j 10:32	1° ♒ 53'56	
minimum elong	-12720 Aug 07 j 19:32	18° ♓ 19'38	0°13'08				
behind sun begin	-12720 Aug 07 j 12:48	17° ♓ 52'49		superior conj	-12719 Jul 17 j 18:28	26° ♒ 27'53	0°56'21
behind sun end	-12720 Aug 08 j 02:15	18° ♓ 46'28		minimum elong	-12719 Jul 18 j 00:28	26° ♒ 51'41	0°56'04
desc. node	-12720 Aug 09 j 21:34	21° ♓ 39'41		max. Earth dist.	-12719 Jul 18 j 19:51	28° ♒ 08'24	1.44560 AU
	-12720 Aug 15 j 01:35	0° ♈			-12719 Jul 20 j 00:03	0° ♓	
evening rise	-12720 Aug 22 j 13:13	12° ♈ 16'51		desc. node	-12719 Jul 27 j 19:00	12° ♓ 19'19	
	-12720 Sep 02 j 09:07	0° ☿		evening rise	-12719 Aug 03 j 02:38	22° ♓ 20'37	
evening max el	-12720 Sep 10 j 18:45	11° ☿ 22'42	18°29'24		-12719 Aug 07 j 22:18	0° ♈	
retrograde	-12720 Sep 17 j 10:15	15° ☿ 02'52		evening max el	-12719 Aug 25 j 06:03	24° ♈ 53'13	19°06'05
asc. node	-12720 Sep 18 j 14:58	14° ☿ 54'59		retrograde	-12719 Sep 01 j 04:50	28° ♈ 49'44	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12719 Sep 04 j 08:41	27° Π 52'21		asc. node	-12718 Aug 23 j 08:57	7° Π 47'40	
asc. node	-12719 Sep 05 j 12:00	27° Π 04'19		inferior conj	-12718 Aug 25 j 03:20	5° Π 31'11	0°32'56
inferior conj	-12719 Sep 10 j 03:21	22° Π 02'52	1°25'02	minimum elong	-12718 Aug 25 j 02:35	5° Π 33'40	0°33'23
minimum elong	-12719 Sep 10 j 01:24	22° Π 08'57	1°25'07	min. Earth dist.	-12718 Aug 26 j 02:44	4° Π 14'00	0.66378 AU
min. Earth dist.	-12719 Sep 11 j 14:12	20° Π 14'18	0.65512 AU		-12718 Aug 29 j 16:34	30° \mathbb{R} 8	
morning rise	-12719 Sep 15 j 17:41	15° Π 47'22		morning rise	-12718 Aug 30 j 13:49	29° \mathbb{R} 10'36	
direct	-12719 Sep 22 j 00:17	13° Π 09'27		direct	-12718 Sep 05 j 06:50	26° \mathbb{R} 44'53	
morning max el	-12719 Oct 04 j 18:04	20° Π 32'41	26°23'52		-12718 Sep 12 j 22:00	0° Π	
	-12719 Oct 13 j 00:30	0° \mathbb{E}		morning max el	-12718 Sep 17 j 04:07	3° Π 47'50	25°14'36
desc. node	-12719 Oct 23 j 17:43	14° \mathbb{E} 59'22			-12718 Oct 07 j 08:15	0° \mathbb{E}	
	-12719 Nov 02 j 01:35	0° \mathbb{O}		desc. node	-12718 Oct 10 j 14:33	5° \mathbb{E} 00'10	
morning set	-12719 Nov 09 j 14:54	13° \mathbb{O} 30'36		morning set	-12718 Oct 23 j 03:13	25° \mathbb{E} 55'33	
max. Earth dist.	-12719 Nov 13 j 20:47	21° \mathbb{O} 39'33	1.35442 AU		-12718 Oct 25 j 09:20	0° \mathbb{O}	
				max. Earth dist.	-12718 Oct 27 j 01:00	3° \mathbb{O} 02'58	1.37107 AU
superior conj	-12719 Nov 18 j 11:18	0° \mathbb{P} 54'55	-1°33'24				
minimum elong	-12719 Nov 18 j 12:23	1° \mathbb{P} 00'28	1°32'57	superior conj	-12718 Nov 02 j 02:59	14° \mathbb{O} 43'03	-1°36'37
	-12719 Nov 18 j 00:34	0° \mathbb{P}		minimum elong	-12718 Nov 02 j 02:49	14° \mathbb{O} 42'16	1°36'02
evening rise	-12719 Nov 26 j 01:28	16° \mathbb{P} 38'52			-12718 Nov 09 j 17:35	0° \mathbb{P}	
asc. node	-12719 Dec 02 j 10:18	29° \mathbb{P} 10'09		evening rise	-12718 Nov 10 j 05:59	1° \mathbb{P} 02'25	
	-12719 Dec 02 j 21:13	0° \mathbb{A}		asc. node	-12718 Nov 19 j 07:41	18° \mathbb{P} 03'37	
evening max el	-12719 Dec 15 j 04:25	17° \mathbb{A} 15'50	20°44'50	evening max el	-12718 Nov 27 j 16:32	29° \mathbb{P} 07'10	19°35'34
retrograde	-12719 Dec 26 j 04:11	22° \mathbb{A} 25'26			-12718 Nov 28 j 16:05	0° \mathbb{A}	
evening set	-12719 Dec 28 j 21:55	22° \mathbb{A} 07'28		retrograde	-12718 Dec 07 j 03:16	3° \mathbb{A} 34'47	
inferior conj	-12718 Jan 06 j 17:04	18° \mathbb{A} 08'05	3°04'01	evening set	-12718 Dec 09 j 16:29	3° \mathbb{A} 16'46	
minimum elong	-12718 Jan 06 j 22:51	17° \mathbb{A} 59'34	3°02'26		-12718 Dec 16 j 16:55	30° \mathbb{R} 11	
min. Earth dist.	-12718 Jan 08 j 00:35	17° \mathbb{A} 21'50	0.55721 AU	inferior conj	-12718 Dec 18 j 00:42	29° \mathbb{P} 09'03	4°00'17
morning rise	-12718 Jan 15 j 22:29	13° \mathbb{A} 47'52		minimum elong	-12718 Dec 18 j 04:20	29° \mathbb{P} 03'09	3°59'53
direct	-12718 Jan 19 j 07:14	13° \mathbb{A} 22'56		min. Earth dist.	-12718 Dec 20 j 13:58	27° \mathbb{P} 30'05	0.56741 AU
desc. node	-12718 Jan 19 j 19:57	13° \mathbb{A} 23'34		morning rise	-12718 Dec 26 j 14:04	24° \mathbb{P} 25'35	
morning max el	-12718 Feb 01 j 12:00	19° \mathbb{A} 51'35	22°48'56	direct	-12718 Dec 31 j 06:59	23° \mathbb{P} 35'27	
	-12718 Feb 09 j 20:42	0° \mathbb{M}		desc. node	-12717 Jan 06 j 16:33	25° \mathbb{P} 09'05	
morning set	-12718 Feb 23 j 21:37	25° \mathbb{M} 27'23			-12717 Jan 13 j 13:02	0° \mathbb{A}	
	-12718 Feb 26 j 01:25	0° \mathbb{X}		morning max el	-12717 Jan 14 j 03:22	0° \mathbb{A} 33'36	24°25'37
asc. node	-12718 Feb 28 j 07:42	4° \mathbb{X} 49'01			-12717 Feb 03 j 05:06	0° \mathbb{M}	
				morning set	-12717 Feb 08 j 10:03	10° \mathbb{M} 31'20	
superior conj	-12718 Mar 03 j 02:09	10° \mathbb{X} 42'43	0°25'35				
minimum elong	-12718 Mar 03 j 01:04	10° \mathbb{X} 37'02	0°24'37	superior conj	-12717 Feb 15 j 10:16	25° \mathbb{M} 34'32	0°02'06
max. Earth dist.	-12718 Mar 05 j 17:35	16° \mathbb{X} 16'06	1.34092 AU	minimum elong	-12717 Feb 15 j 10:12	25° \mathbb{M} 34'14	0°01'26
evening rise	-12718 Mar 10 j 23:14	26° \mathbb{X} 52'44		behind sun begin	-12717 Feb 15 j 05:06	25° \mathbb{M} 06'41	
	-12718 Mar 12 j 13:44	0° \mathbb{Z}		behind sun end	-12717 Feb 15 j 15:18	26° \mathbb{M} 01'45	
	-12718 Mar 30 j 06:05	0° \mathbb{A}		asc. node	-12717 Feb 15 j 04:55	25° \mathbb{M} 05'41	
evening max el	-12718 Apr 14 j 04:20	18° \mathbb{A} 36'24	27°20'35	max. Earth dist.	-12717 Feb 16 j 23:58	28° \mathbb{M} 57'20	1.33329 AU
desc. node	-12718 Apr 17 j 20:07	21° \mathbb{A} 51'31			-12717 Feb 17 j 11:40	0° \mathbb{X}	
retrograde	-12718 Apr 27 j 18:16	26° \mathbb{A} 12'15		evening rise	-12717 Feb 22 j 21:18	11° \mathbb{X} 15'14	
evening set	-12718 May 04 j 15:43	23° \mathbb{A} 31'17			-12717 Mar 04 j 20:47	0° \mathbb{Z}	
min. Earth dist.	-12718 May 08 j 08:43	20° \mathbb{A} 01'02	0.64105 AU		-12717 Mar 26 j 05:09	0° \mathbb{A}	
inferior conj	-12718 May 10 j 17:45	17° \mathbb{A} 23'58	-3°20'24	evening max el	-12717 Mar 27 j 13:18	1° \mathbb{A} 20'23	27°25'49
minimum elong	-12718 May 10 j 18:34	17° \mathbb{A} 21'41	3°20'55	desc. node	-12717 Apr 04 j 17:22	7° \mathbb{A} 26'50	
morning rise	-12718 May 16 j 22:10	11° \mathbb{A} 58'32		retrograde	-12717 Apr 10 j 11:12	8° \mathbb{A} 55'07	
direct	-12718 May 19 j 19:27	11° \mathbb{A} 14'56		evening set	-12717 Apr 17 j 07:38	6° \mathbb{A} 33'12	
morning max el	-12718 May 26 j 07:12	14° \mathbb{A} 42'18	18°13'30	min. Earth dist.	-12717 Apr 21 j 00:33	3° \mathbb{A} 28'23	0.62390 AU
asc. node	-12718 May 27 j 07:41	15° \mathbb{A} 47'05		inferior conj	-12717 Apr 23 j 22:52	0° \mathbb{A} 35'23	-3°20'04
	-12718 Jun 06 j 02:05	0° \mathbb{H}		minimum elong	-12717 Apr 23 j 22:12	0° \mathbb{A} 37'01	3°20'46
morning set	-12718 Jun 13 j 13:28	12° \mathbb{H} 36'16			-12717 Apr 24 j 13:15	30° \mathbb{R} 3	
	-12718 Jun 23 j 23:22	0° \mathbb{Y}		morning rise	-12717 Apr 30 j 14:13	25° \mathbb{Z} 28'01	
				direct	-12717 May 03 j 06:32	24° \mathbb{Z} 54'25	
superior conj	-12718 Jun 27 j 02:22	5° \mathbb{Y} 05'38	1°29'25	morning max el	-12717 May 09 j 21:03	28° \mathbb{Z} 16'54	18°02'42
minimum elong	-12718 Jun 27 j 08:14	5° \mathbb{Y} 29'24	1°29'03		-12717 May 11 j 11:24	0° \mathbb{A}	
max. Earth dist.	-12718 Jul 01 j 11:08	12° \mathbb{Y} 06'54	1.44054 AU	asc. node	-12717 May 14 j 04:26	3° \mathbb{A} 30'53	
	-12718 Jul 12 j 19:39	0° \mathbb{B}		morning set	-12717 May 26 j 15:47	24° \mathbb{A} 24'59	
evening rise	-12718 Jul 13 j 14:13	1° \mathbb{B} 12'12			-12717 May 29 j 19:27	0° \mathbb{H}	
desc. node	-12718 Jul 14 j 16:30	2° \mathbb{B} 54'20					
greatest brilliancy	-12718 Jul 26 j 04:42	20° \mathbb{B} 32'13	-0.7m	superior conj	-12717 Jun 07 j 09:38	14° \mathbb{H} 51'30	1°46'15
	-12718 Aug 01 j 17:17	0° \mathbb{I}		minimum elong	-12717 Jun 07 j 11:55	15° \mathbb{H} 01'12	1°45'57
evening max el	-12718 Aug 08 j 12:29	8° \mathbb{I} 23'00	19°58'41	max. Earth dist.	-12717 Jun 13 j 22:21	25° \mathbb{H} 41'41	1.42926 AU
retrograde	-12718 Aug 16 j 01:25	12° \mathbb{I} 44'48			-12717 Jun 16 j 14:10	0° \mathbb{Y}	
evening set	-12718 Aug 19 j 15:04	11° \mathbb{I} 31'00		evening rise	-12717 Jun 22 j 14:06	9° \mathbb{Y} 30'39	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12717 Jul 01 j 14:04	23° Υ 20'31		evening max el	-12716 Jul 04 j 05:15	5° \mathcal{B} 10'29	22°22'29
	-12717 Jul 06 j 01:04	0° \mathcal{B}		retrograde	-12716 Jul 13 j 16:33	10° \mathcal{B} 47'16	
evening max el	-12717 Jul 22 j 12:18	21° \mathcal{B} 48'51	21°05'18	evening set	-12716 Jul 18 j 07:48	8° \mathcal{B} 52'40	
retrograde	-12717 Jul 30 j 21:49	26° \mathcal{B} 44'45		inferior conj	-12716 Jul 23 j 13:12	2° \mathcal{B} 40'14	-1°04'40
evening set	-12717 Aug 03 j 23:26	25° \mathcal{B} 11'28		minimum elong	-12716 Jul 23 j 14:28	2° \mathcal{B} 35'51	1°03'47
inferior conj	-12717 Aug 09 j 07:15	19° \mathcal{B} 04'10	-0°17'29	min. Earth dist.	-12716 Jul 23 j 15:11	2° \mathcal{B} 33'21	0.67224 AU
minimum elong	-12717 Aug 09 j 07:36	19° \mathcal{B} 02'57	0°16'44		-12716 Jul 25 j 12:30	30° \mathcal{R} Υ	
min. Earth dist.	-12717 Aug 09 j 19:52	18° \mathcal{B} 21'04	0.66951 AU	asc. node	-12716 Jul 27 j 02:36	28° Υ 04'44	
asc. node	-12717 Aug 10 j 05:48	17° \mathcal{B} 47'16		morning rise	-12716 Jul 28 j 21:02	26° Υ 21'40	
morning rise	-12717 Aug 14 j 15:35	12° \mathcal{B} 42'39		direct	-12716 Aug 02 j 10:34	24° Υ 30'34	
direct	-12717 Aug 19 j 18:31	10° \mathcal{B} 33'24			-12716 Aug 11 j 18:44	0° \mathcal{B}	
morning max el	-12717 Aug 30 j 14:02	17° \mathcal{B} 03'05	23°53'47	morning max el	-12716 Aug 12 j 02:16	0° \mathcal{B} 19'07	22°30'05
	-12717 Sep 10 j 07:31	0° \mathcal{B}			-12716 Sep 03 j 04:50	0° \mathcal{B}	
desc. node	-12717 Sep 27 j 11:28	25° \mathcal{B} 18'11		desc. node	-12716 Sep 13 j 08:29	15° \mathcal{B} 48'02	
	-12717 Sep 30 j 09:25	0° \mathcal{B}		morning set	-12716 Sep 14 j 05:32	17° \mathcal{B} 12'51	
morning set	-12717 Oct 04 j 17:22	7° \mathcal{B} 12'14		max. Earth dist.	-12716 Sep 20 j 00:56	26° \mathcal{B} 48'16	1.40999 AU
max. Earth dist.	-12717 Oct 08 j 23:57	14° \mathcal{B} 35'50	1.39039 AU		-12716 Sep 21 j 22:05	0° \mathcal{B}	
superior conj	-12717 Oct 16 j 05:55	27° \mathcal{B} 48'57	-1°31'59	superior conj	-12716 Sep 27 j 15:04	9° \mathcal{B} 58'43	-1°17'21
minimum elong	-12717 Oct 16 j 04:04	27° \mathcal{B} 40'16	1°31'09	minimum elong	-12716 Sep 27 j 11:34	9° \mathcal{B} 43'09	1°16'15
	-12717 Oct 17 j 09:39	0° \mathcal{B}		evening rise	-12716 Oct 07 j 16:57	28° \mathcal{B} 31'51	
evening rise	-12717 Oct 25 j 04:07	15° \mathcal{B} 02'28			-12716 Oct 08 j 11:48	0° \mathcal{B}	
	-12717 Nov 02 j 04:54	0° \mathcal{B}		asc. node	-12716 Oct 23 j 02:17	23° \mathcal{B} 35'26	
asc. node	-12717 Nov 06 j 05:00	6° \mathcal{B} 16'17		evening max el	-12716 Oct 23 j 20:57	24° \mathcal{B} 23'35	18°16'25
evening max el	-12717 Nov 10 j 14:43	11° \mathcal{B} 31'55	18°45'52	retrograde	-12716 Oct 31 j 03:46	28° \mathcal{B} 03'28	
retrograde	-12717 Nov 18 j 18:41	15° \mathcal{B} 29'22		evening set	-12716 Nov 02 j 14:57	27° \mathcal{B} 39'12	
evening set	-12717 Nov 21 j 06:08	15° \mathcal{B} 08'56		inferior conj	-12716 Nov 09 j 22:07	22° \mathcal{B} 51'22	4°03'40
inferior conj	-12717 Nov 29 j 01:52	10° \mathcal{B} 42'50	4°17'23	minimum elong	-12716 Nov 09 j 19:15	22° \mathcal{B} 57'32	4°03'49
minimum elong	-12717 Nov 29 j 01:41	10° \mathcal{B} 43'09	4°17'38	min. Earth dist.	-12716 Nov 13 j 01:12	20° \mathcal{B} 11'20	0.60129 AU
min. Earth dist.	-12717 Dec 02 j 05:02	8° \mathcal{B} 24'00	0.58311 AU	morning rise	-12716 Nov 16 j 22:02	17° \mathcal{B} 24'39	
morning rise	-12717 Dec 06 j 19:21	5° \mathcal{B} 36'42		direct	-12716 Nov 23 j 16:00	15° \mathcal{B} 22'59	
direct	-12717 Dec 12 j 18:17	4° \mathcal{B} 10'38		morning max el	-12716 Dec 07 j 15:34	22° \mathcal{B} 43'49	26°58'15
desc. node	-12717 Dec 24 j 13:07	9° \mathcal{B} 23'07		desc. node	-12716 Dec 10 j 09:38	25° \mathcal{B} 32'57	
morning max el	-12717 Dec 26 j 18:45	11° \mathcal{B} 23'07	25°53'30		-12716 Dec 14 j 04:56	0° \mathcal{B}	
	-12716 Jan 10 j 04:26	0° \mathcal{B}			-12715 Jan 02 j 01:24	0° \mathcal{B}	
morning set	-12716 Jan 23 j 22:06	25° \mathcal{B} 35'48		morning set	-12715 Jan 07 j 07:55	10° \mathcal{B} 32'50	
	-12716 Jan 25 j 23:55	0° \mathcal{B}		superior conj	-12715 Jan 14 j 09:02	25° \mathcal{B} 40'28	-0°41'47
superior conj	-12716 Jan 30 j 21:10	10° \mathcal{B} 36'18	-0°20'36	minimum elong	-12715 Jan 14 j 10:33	25° \mathcal{B} 48'47	0°41'51
minimum elong	-12716 Jan 30 j 22:00	10° \mathcal{B} 40'51	0°20'58	max. Earth dist.	-12715 Jan 14 j 01:20	24° \mathcal{B} 58'21	1.32790 AU
max. Earth dist.	-12716 Jan 31 j 11:48	11° \mathcal{B} 56'05	1.32897 AU		-12715 Jan 16 j 08:34	0° \mathcal{B}	
asc. node	-12716 Feb 02 j 02:12	15° \mathcal{B} 24'40		asc. node	-12715 Jan 18 j 23:32	5° \mathcal{B} 40'52	
evening rise	-12716 Feb 07 j 01:46	25° \mathcal{B} 58'12		evening rise	-12715 Jan 21 j 10:19	10° \mathcal{B} 52'11	
	-12716 Feb 09 j 01:19	0° \mathcal{B}			-12715 Jan 31 j 08:55	0° \mathcal{B}	
	-12716 Feb 26 j 12:37	0° \mathcal{B}		evening max el	-12715 Feb 18 j 17:43	25° \mathcal{B} 05'28	25°59'28
evening max el	-12716 Mar 08 j 18:21	13° \mathcal{B} 31'57	26°58'10		-12715 Feb 25 j 01:19	0° \mathcal{B}	
desc. node	-12716 Mar 21 j 14:28	20° \mathcal{B} 55'40		retrograde	-12715 Mar 04 j 20:02	2° \mathcal{B} 21'30	
retrograde	-12716 Mar 22 j 20:22	20° \mathcal{B} 59'45		desc. node	-12715 Mar 08 j 11:26	1° \mathcal{B} 48'44	
evening set	-12716 Mar 29 j 06:49	19° \mathcal{B} 07'46		evening set	-12715 Mar 10 j 11:20	1° \mathcal{B} 03'43	
min. Earth dist.	-12716 Apr 02 j 07:33	16° \mathcal{B} 15'36	0.60454 AU		-12715 Mar 12 j 12:14	30° \mathcal{R} \mathcal{A}	
inferior conj	-12716 Apr 05 j 14:27	13° \mathcal{B} 25'47	-3°00'43	min. Earth dist.	-12715 Mar 15 j 07:04	28° \mathcal{A} 10'11	0.58502 AU
minimum elong	-12716 Apr 05 j 12:05	13° \mathcal{B} 30'54	3°01'12	inferior conj	-12715 Mar 18 j 12:50	25° \mathcal{A} 45'27	-2°16'32
morning rise	-12716 Apr 12 j 19:41	8° \mathcal{B} 37'52		minimum elong	-12715 Mar 18 j 09:27	25° \mathcal{A} 51'48	2°16'35
direct	-12716 Apr 15 j 07:33	8° \mathcal{B} 12'48		morning rise	-12715 Mar 26 j 10:42	21° \mathcal{A} 17'20	
morning max el	-12716 Apr 22 j 09:43	11° \mathcal{B} 42'18	18°10'36	direct	-12715 Mar 28 j 18:05	20° \mathcal{A} 59'21	
asc. node	-12716 Apr 30 j 01:15	22° \mathcal{B} 00'41		morning max el	-12715 Apr 05 j 18:17	24° \mathcal{A} 49'39	18°37'47
	-12716 May 04 j 15:20	0° \mathcal{B}			-12715 Apr 10 j 03:23	0° \mathcal{B}	
morning set	-12716 May 08 j 13:01	7° \mathcal{B} 10'46		asc. node	-12715 Apr 16 j 22:09	11° \mathcal{B} 05'22	
				morning set	-12715 Apr 22 j 00:26	20° \mathcal{B} 41'42	
superior conj	-12716 May 18 j 19:39	25° \mathcal{B} 57'13	1°48'04		-12715 Apr 26 j 20:18	0° \mathcal{B}	
minimum elong	-12716 May 18 j 18:37	25° \mathcal{B} 52'37	1°47'35	superior conj	-12715 May 01 j 04:26	8° \mathcal{B} 12'48	1°38'53
	-12716 May 21 j 02:47	0° \mathcal{B}		minimum elong	-12715 May 01 j 01:42	8° \mathcal{B} 00'01	1°38'03
max. Earth dist.	-12716 May 26 j 04:23	8° \mathcal{B} 41'16	1.41332 AU	max. Earth dist.	-12715 May 08 j 05:37	20° \mathcal{B} 59'06	1.39485 AU
evening rise	-12716 Jun 01 j 01:29	18° \mathcal{B} 22'49		evening rise	-12715 May 12 j 14:34	28° \mathcal{B} 31'15	
	-12716 Jun 08 j 10:16	0° \mathcal{B}			-12715 May 13 j 11:39	0° \mathcal{B}	
desc. node	-12716 Jun 17 j 11:38	13° \mathcal{B} 33'15			-12715 Jun 01 j 21:50	0° \mathcal{B}	
	-12716 Jun 29 j 14:51	0° \mathcal{B}					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12715 Jun 04 j 09:12	3°♂26'31				-12714 May 28 j 08:11	0°♂	
evening max el	-12715 Jun 16 j 16:55	18°♂29'41	23°44'54		evening max el	-12714 May 30 j 02:24	1°♂49'32	25°05'01
retrograde	-12715 Jun 27 j 08:27	24°♂49'08			retrograde	-12714 Jun 10 j 20:38	8°♂45'29	
evening set	-12715 Jul 02 j 14:18	22°♂33'29			evening set	-12714 Jun 16 j 16:53	6°♂12'07	
inferior conj	-12715 Jul 07 j 19:28	16°♂18'08	-1°47'19		min. Earth dist.	-12714 Jun 21 j 03:15	1°♂05'42	0.66808 AU
minimum elong	-12715 Jul 07 j 21:22	16°♂11'36	1°46'29			-12714 Jun 21 j 23:01	30°♂	
min. Earth dist.	-12715 Jul 07 j 10:25	16°♂49'09	0.67182 AU		inferior conj	-12714 Jun 22 j 00:13	29°♂55'57	-2°24'09
morning rise	-12715 Jul 13 j 04:24	10°♂05'57			minimum elong	-12714 Jun 22 j 02:26	29°♂48'38	2°23'34
asc. node	-12715 Jul 13 j 23:21	9°♂32'56			morning rise	-12714 Jun 27 j 11:59	23°♂53'15	
direct	-12715 Jul 17 j 05:57	8°♂32'40			asc. node	-12714 Jun 30 j 20:06	22°♂36'47	
morning max el	-12715 Jul 25 j 19:24	13°♂39'01	21°10'56		direct	-12714 Jul 01 j 03:24	22°♂36'15	
	-12715 Aug 07 j 11:05	0°♂			morning max el	-12714 Jul 08 j 18:47	27°♂04'21	20°01'48
morning set	-12715 Aug 24 j 18:28	26°♂08'51				-12714 Jul 11 j 09:07	0°♂	
	-12715 Aug 27 j 05:11	0°♂				-12714 Jul 31 j 22:00	0°♂	
desc. node	-12715 Aug 31 j 05:40	6°♂25'25			morning set	-12714 Aug 03 j 21:44	4°♂38'36	
max. Earth dist.	-12715 Sep 02 j 07:30	9°♂47'36	1.42705 AU		max. Earth dist.	-12714 Aug 15 j 19:20	23°♂23'07	1.43933 AU
					desc. node	-12714 Aug 18 j 02:57	27°♂06'04	
superior conj	-12715 Sep 09 j 00:38	20°♂57'11	-0°50'54			-12714 Aug 19 j 22:02	0°♂	
minimum elong	-12715 Sep 08 j 20:45	20°♂40'47	0°49'40					
	-12715 Sep 14 j 06:46	0°♂			superior conj	-12714 Aug 20 j 06:32	0°♂34'25	-0°12'48
evening rise	-12715 Sep 20 j 16:35	11°♂21'08			minimum elong	-12714 Aug 20 j 05:14	0°♂29'09	0°11'55
	-12715 Oct 01 j 12:49	0°♂			behind sun begin	-12714 Aug 19 j 21:54	29°♂59'24	
evening max el	-12715 Oct 07 j 08:28	7°♂35'00	18°06'47		behind sun end	-12714 Aug 20 j 12:35	0°♂58'56	
asc. node	-12715 Oct 09 j 23:30	9°♂46'04			evening rise	-12714 Sep 02 j 21:50	23°♂16'24	
retrograde	-12715 Oct 14 j 03:17	11°♂07'59				-12714 Sep 06 j 20:41	0°♂	
evening set	-12715 Oct 16 j 16:08	10°♂38'06			evening max el	-12714 Sep 20 j 22:12	20°♂58'17	18°16'02
inferior conj	-12715 Oct 23 j 11:25	5°♂29'36	3°30'09		asc. node	-12714 Sep 26 j 20:40	24°♂31'01	
minimum elong	-12715 Oct 23 j 07:34	5°♂38'59	3°30'00		retrograde	-12714 Sep 27 j 12:55	24°♂33'26	
min. Earth dist.	-12715 Oct 26 j 06:03	2°♂47'30	0.61931 AU		evening set	-12714 Sep 30 j 05:45	23°♂55'22	
morning rise	-12715 Oct 29 j 21:49	29°♂44'49			inferior conj	-12714 Oct 06 j 14:17	18°♂28'46	2°45'22
	-12715 Oct 29 j 13:16	30°♂			minimum elong	-12714 Oct 06 j 10:43	18°♂38'29	2°45'07
direct	-12715 Nov 05 j 22:50	27°♂16'46			min. Earth dist.	-12714 Oct 08 j 20:56	15°♂59'59	0.63545 AU
	-12715 Nov 13 j 22:19	0°♂			morning rise	-12714 Oct 12 j 14:48	12°♂29'16	
morning max el	-12715 Nov 19 j 19:00	4°♂44'48	27°30'34		direct	-12714 Oct 19 j 13:26	9°♂47'49	
desc. node	-12715 Nov 27 j 06:12	13°♂07'40			morning max el	-12714 Nov 02 j 03:00	17°♂19'59	27°28'22
	-12715 Dec 08 j 20:21	0°♂				-12714 Nov 12 j 21:00	0°♂	
morning set	-12715 Dec 22 j 13:26	25°♂15'04			desc. node	-12714 Nov 14 j 02:49	1°♂42'21	
	-12715 Dec 24 j 20:29	0°♂				-12714 Dec 01 j 12:51	0°♂	
max. Earth dist.	-12715 Dec 28 j 12:43	7°♂50'17	1.33025 AU		morning set	-12714 Dec 06 j 12:10	9°♂33'31	
					max. Earth dist.	-12714 Dec 11 j 18:13	20°♂19'27	1.33634 AU
superior conj	-12715 Dec 29 j 20:16	10°♂41'07	-1°00'44					
minimum elong	-12715 Dec 29 j 22:11	10°♂51'34	1°00'36		superior conj	-12714 Dec 14 j 05:03	25°♂31'39	-1°16'42
evening rise	-12714 Jan 05 j 21:03	25°♂50'21			minimum elong	-12714 Dec 14 j 07:01	25°♂42'09	1°16'25
asc. node	-12714 Jan 05 j 20:56	25°♂49'42				-12714 Dec 16 j 07:05	0°♂	
	-12714 Jan 07 j 21:14	0°♂			evening rise	-12714 Dec 21 j 08:17	10°♂46'27	
	-12714 Jan 25 j 21:58	0°♂			asc. node	-12714 Dec 23 j 18:22	15°♂46'11	
evening max el	-12714 Jan 31 j 12:08	6°♂08'09	24°37'17			-12714 Dec 31 j 09:08	0°♂	
retrograde	-12714 Feb 14 j 08:33	13°♂03'40			evening max el	-12713 Jan 13 j 05:33	16°♂59'57	23°03'53
evening set	-12714 Feb 18 j 22:37	12°♂15'57			retrograde	-12713 Jan 26 j 08:48	23°♂20'56	
desc. node	-12714 Feb 23 j 08:19	10°♂11'19			evening set	-12713 Jan 29 j 23:02	22°♂52'44	
min. Earth dist.	-12714 Feb 25 j 01:42	9°♂08'11	0.56827 AU		min. Earth dist.	-12713 Feb 06 j 17:45	19°♂18'55	0.55746 AU
inferior conj	-12714 Feb 27 j 15:36	7°♂27'42	-1°03'29		inferior conj	-12713 Feb 08 j 00:13	18°♂34'08	0°33'35
minimum elong	-12714 Feb 27 j 13:18	7°♂31'28	1°03'34		minimum elong	-12713 Feb 08 j 01:36	18°♂32'06	0°32'32
morning rise	-12714 Mar 08 j 07:08	3°♂16'21			desc. node	-12713 Feb 10 j 05:06	17°♂17'49	
direct	-12714 Mar 10 j 10:49	3°♂03'17			morning rise	-12713 Feb 17 j 05:50	14°♂30'20	
morning max el	-12714 Mar 19 j 19:45	7°♂29'35	19°24'40		direct	-12713 Feb 19 j 10:56	14°♂18'24	
	-12714 Apr 03 j 11:36	0°♂			morning max el	-12713 Mar 02 j 11:16	19°♂33'06	20°31'03
asc. node	-12714 Apr 03 j 19:07	0°♂36'33				-12713 Mar 10 j 16:15	0°♂	
morning set	-12714 Apr 05 j 22:07	4°♂47'45			morning set	-12713 Mar 21 j 02:59	19°♂20'20	
					asc. node	-12713 Mar 21 j 16:11	20°♂27'38	
superior conj	-12714 Apr 14 j 06:33	21°♂23'21	1°22'32			-12713 Mar 26 j 07:29	0°♂	
minimum elong	-12714 Apr 14 j 03:30	21°♂08'24	1°21'25					
	-12714 Apr 18 j 18:31	0°♂			superior conj	-12713 Mar 28 j 21:18	5°♂15'39	1°01'55
max. Earth dist.	-12714 Apr 20 j 06:02	2°♂45'15	1.37640 AU		minimum elong	-12713 Mar 28 j 18:45	5°♂02'40	1°00'44
evening rise	-12714 Apr 24 j 06:26	10°♂01'35			max. Earth dist.	-12713 Apr 02 j 12:23	14°♂27'53	1.36006 AU
	-12714 May 06 j 05:56	0°♂			evening rise	-12713 Apr 06 j 20:07	22°♂40'46	
desc. node	-12714 May 22 j 06:44	22°♂52'00				-12713 Apr 10 j 21:08	0°♂	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12713 Apr 29 j 22:28	0° H		evening rise	-12712 Mar 20 j 01:48	6° Z 10'46	
desc. node	-12713 May 09 j 04:13	11° H 38'41			-12712 Apr 02 j 13:39	0° \approx	
evening max el	-12713 May 12 j 12:26	15° H 11'09	26°14'09	evening max el	-12712 Apr 23 j 23:22	28° \approx 27'05	27°03'48
retrograde	-12713 May 25 j 04:18	22° H 31'26		desc. node	-12712 Apr 25 j 01:37	29° \approx 29'53	
evening set	-12713 May 31 j 13:23	19° H 47'03			-12712 Apr 25 j 14:44	0° H	
min. Earth dist.	-12713 Jun 04 j 15:27	15° H 19'50	0.66070 AU	retrograde	-12712 May 07 j 06:40	5° H 59'17	
inferior conj	-12713 Jun 06 j 01:35	13° H 32'21	-2°53'39	evening set	-12712 May 14 j 01:12	3° H 13'48	
minimum elong	-12713 Jun 06 j 03:40	13° H 25'48	2°53'29		-12712 May 17 j 08:05	30° R \approx	
morning rise	-12713 Jun 11 j 18:03	7° H 41'56		min. Earth dist.	-12712 May 17 j 20:47	29° \approx 24'11	0.64939 AU
direct	-12713 Jun 15 j 01:14	6° H 39'16		inferior conj	-12712 May 19 j 21:16	27° \approx 03'05	-3°13'56
asc. node	-12713 Jun 17 j 16:50	7° H 17'25		minimum elong	-12712 May 19 j 22:42	26° \approx 58'52	3°14'14
morning max el	-12713 Jun 22 j 00:23	10° H 36'19	19°06'39	morning rise	-12712 May 25 j 20:36	21° \approx 27'43	
	-12713 Jul 05 j 21:00	0° Y		direct	-12712 May 28 j 21:13	20° \approx 37'30	
morning set	-12713 Jul 14 j 11:10	13° Y 37'06		asc. node	-12712 Jun 03 j 13:34	23° \approx 21'31	
	-12713 Jul 24 j 19:12	0° Z		morning max el	-12712 Jun 04 j 10:51	24° \approx 12'32	18°27'51
max. Earth dist.	-12713 Jul 29 j 10:50	7° Z 21'32	1.44534 AU		-12712 Jun 09 j 03:56	0° H	
				morning set	-12712 Jun 23 j 23:30	23° H 38'53	
superior conj	-12713 Jul 30 j 13:12	9° Z 06'01	0°31'50		-12712 Jun 27 j 20:08	0° Y	
minimum elong	-12713 Jul 30 j 16:59	9° Z 20'58	0°31'54				
desc. node	-12713 Aug 05 j 00:21	17° Z 47'07		superior conj	-12712 Jul 08 j 14:02	17° Y 22'05	1°12'13
	-12713 Aug 12 j 14:50	0° II		minimum elong	-12712 Jul 08 j 20:39	17° Y 48'24	1°11'49
evening rise	-12713 Aug 15 j 02:58	4° II 03'41		max. Earth dist.	-12712 Jul 11 j 03:24	21° Y 26'09	1.44433 AU
	-12713 Aug 31 j 17:33	0° S			-12712 Jul 16 j 13:22	0° Z	
evening max el	-12713 Sep 04 j 11:15	4° S 27'53	18°43'02	desc. node	-12712 Jul 21 j 21:49	8° Z 25'17	
retrograde	-12713 Sep 11 j 05:00	8° S 13'44		evening rise	-12712 Jul 25 j 04:33	13° Z 34'22	
asc. node	-12713 Sep 13 j 17:45	7° S 37'43		greatest brilliancy	-12712 Aug 03 j 22:51	28° Z 48'34	-0.8m
evening set	-12713 Sep 14 j 04:13	7° S 24'21			-12712 Aug 04 j 17:26	0° II	
inferior conj	-12713 Sep 20 j 03:28	1° S 42'32	1°55'02	evening max el	-12712 Aug 17 j 20:48	17° II 58'48	19°26'41
minimum elong	-12713 Sep 20 j 00:51	1° S 50'22	1°54'56	retrograde	-12712 Aug 25 j 00:36	22° II 04'31	
	-12713 Sep 21 j 13:46	30° R II		evening set	-12712 Aug 28 j 08:28	21° II 00'24	
min. Earth dist.	-12713 Sep 21 j 21:25	29° II 37'27	0.64886 AU	asc. node	-12712 Aug 30 j 14:44	19° II 07'01	
morning rise	-12713 Sep 25 j 20:53	25° II 31'57		inferior conj	-12712 Sep 03 j 00:11	15° II 06'16	1°02'50
direct	-12713 Oct 02 j 10:39	22° II 49'44		minimum elong	-12712 Sep 02 j 22:44	15° II 10'52	1°03'04
	-12713 Oct 15 j 05:21	0° S		min. Earth dist.	-12712 Sep 04 j 06:02	13° II 30'49	0.65920 AU
morning max el	-12713 Oct 15 j 13:02	0° S 18'46	26°54'49	morning rise	-12712 Sep 08 j 12:40	8° II 48'25	
desc. node	-12713 Oct 31 j 23:29	20° S 59'43		direct	-12712 Sep 14 j 13:46	6° II 15'00	
	-12713 Nov 06 j 19:34	0° O		morning max el	-12712 Sep 26 j 23:15	13° II 30'25	25°56'26
morning set	-12713 Nov 20 j 00:54	23° O 17'44			-12712 Oct 10 j 11:31	0° S	
	-12713 Nov 23 j 11:03	0° P		desc. node	-12712 Oct 17 j 20:15	10° S 47'31	
max. Earth dist.	-12713 Nov 24 j 14:34	2° P 18'18	1.34659 AU		-12712 Oct 29 j 12:04	0° O	
				morning set	-12712 Nov 01 j 23:34	6° O 15'43	
superior conj	-12713 Nov 28 j 09:20	10° P 04'56	-1°28'44	max. Earth dist.	-12712 Nov 06 j 00:31	13° O 51'17	1.36106 AU
minimum elong	-12713 Nov 28 j 10:53	10° P 13'02	1°28'21				
evening rise	-12713 Dec 05 j 18:21	25° P 34'41		superior conj	-12712 Nov 11 j 06:33	24° O 12'44	-1°35'37
	-12713 Dec 07 j 22:05	0° Q		minimum elong	-12712 Nov 11 j 07:11	24° O 15'52	1°35'07
asc. node	-12713 Dec 10 j 15:47	5° Q 24'15			-12712 Nov 14 j 02:46	0° P	
evening max el	-12713 Dec 26 j 03:14	28° Q 03'33	21°32'22	evening rise	-12712 Nov 19 j 01:29	10° P 09'32	
	-12713 Dec 28 j 10:09	0° R		asc. node	-12712 Nov 26 j 13:11	24° P 36'51	
retrograde	-12712 Jan 06 j 23:51	3° R 39'10			-12712 Nov 29 j 18:43	0° Q	
evening set	-12712 Jan 09 j 22:45	3° R 19'27		evening max el	-12712 Dec 07 j 09:26	9° Q 35'31	20°13'08
	-12712 Jan 17 j 17:18	30° R Q		retrograde	-12712 Dec 17 j 16:46	14° Q 25'58	
inferior conj	-12712 Jan 18 j 22:25	29° Q 18'35	2°14'49	evening set	-12712 Dec 20 j 08:22	14° Q 08'11	
minimum elong	-12712 Jan 19 j 03:35	29° Q 11'13	2°12'59	inferior conj	-12712 Dec 28 j 23:10	10° Q 06'49	3°32'49
min. Earth dist.	-12712 Jan 19 j 07:59	29° Q 04'56	0.55485 AU	minimum elong	-12712 Dec 29 j 04:29	9° Q 58'45	3°31'42
morning rise	-12712 Jan 28 j 07:56	25° Q 08'23		min. Earth dist.	-12712 Dec 30 j 21:01	8° Q 57'23	0.56072 AU
desc. node	-12712 Jan 28 j 01:49	25° Q 11'38		morning rise	-12711 Jan 06 j 22:53	5° Q 37'33	
direct	-12712 Jan 31 j 02:40	24° Q 51'05		direct	-12711 Jan 10 j 20:53	5° Q 03'43	
	-12712 Feb 11 j 15:04	0° R		desc. node	-12711 Jan 13 j 22:26	5° Q 25'06	
morning max el	-12712 Feb 12 j 15:15	0° R 55'28	21°54'55	morning max el	-12711 Jan 24 j 09:41	11° Q 46'15	23°30'07
	-12712 Mar 02 j 11:24	0° X			-12711 Feb 07 j 00:06	0° R	
morning set	-12712 Mar 04 j 12:25	4° X 10'49		morning set	-12711 Feb 17 j 00:18	19° R 12'21	
asc. node	-12712 Mar 07 j 13:19	10° X 32'24		asc. node	-12711 Feb 22 j 10:30	0° X 46'17	
					-12711 Feb 22 j 01:53	0° X	
superior conj	-12712 Mar 11 j 20:55	19° X 37'44	0°39'07				
minimum elong	-12712 Mar 11 j 19:15	19° X 29'03	0°38'02	superior conj	-12711 Feb 24 j 02:36	4° X 21'13	0°15'35
max. Earth dist.	-12712 Mar 15 j 04:42	26° X 29'51	1.34695 AU	minimum elong	-12711 Feb 24 j 01:57	4° X 17'48	0°14'44
	-12712 Mar 16 j 22:20	0° Z		behind sun begin	-12711 Feb 24 j 00:05	4° X 07'48	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

behind sun end	-12711 Feb 24 j 03:50	4°♂27'49		superior conj	-12710 Feb 08 j 12:07	19°♂17'58	-0°07'41
max. Earth dist.	-12711 Feb 26 j 06:49	8°♂58'48	1.33734 AU	minimum elong	-12710 Feb 08 j 12:28	19°♂19'49	0°08'14
evening rise	-12711 Mar 03 j 18:56	20°♂17'37		behind sun begin	-12710 Feb 08 j 08:07	18°♂56'13	
	-12711 Mar 08 j 20:02	0°♂		behind sun end	-12710 Feb 08 j 16:48	19°♂43'24	
	-12711 Mar 27 j 14:36	0°♂		asc. node	-12710 Feb 09 j 07:45	21°♂04'21	
evening max el	-12711 Apr 06 j 09:41	11°♂25'59	27°26'36	max. Earth dist.	-12710 Feb 09 j 15:59	21°♂48'56	1.33105 AU
desc. node	-12711 Apr 11 j 22:55	16°♂03'11			-12710 Feb 13 j 12:04	0°♂	
retrograde	-12711 Apr 20 j 03:05	19°♂01'14		evening rise	-12710 Feb 15 j 20:01	4°♂49'34	
evening set	-12711 Apr 27 j 01:18	16°♂26'50			-12710 Mar 01 j 13:16	0°♂	
min. Earth dist.	-12711 Apr 30 j 17:35	13°♂08'54	0.63423 AU	evening max el	-12710 Mar 19 j 17:03	23°♂56'23	27°17'56
inferior conj	-12711 May 03 j 08:34	10°♂23'16	-3°22'14		-12710 Mar 27 j 20:35	0°♂	
minimum elong	-12711 May 03 j 08:49	10°♂22'36	3°22'52	desc. node	-12710 Mar 29 j 20:04	0°♂49'01	
morning rise	-12711 May 09 j 17:18	5°♂05'18		retrograde	-12710 Apr 02 j 16:56	1°♂29'05	
direct	-12711 May 12 j 12:31	4°♂25'59			-12710 Apr 08 j 06:14	30°♂	
morning max el	-12711 May 19 j 00:13	7°♂49'29	18°06'39	evening set	-12710 Apr 09 j 10:29	29°♂18'27	
asc. node	-12711 May 21 j 10:18	10°♂33'14		min. Earth dist.	-12710 Apr 13 j 05:22	26°♂21'04	0.61588 AU
	-12711 Jun 02 j 17:38	0°♂		inferior conj	-12710 Apr 16 j 08:22	23°♂26'33	-3°14'33
morning set	-12711 Jun 05 j 12:49	4°♂50'27		minimum elong	-12710 Apr 16 j 06:58	23°♂29'49	3°15'11
				morning rise	-12710 Apr 23 j 05:18	18°♂27'41	
superior conj	-12711 Jun 18 j 06:37	26°♂24'49	1°38'36	direct	-12710 Apr 25 j 19:43	17°♂57'55	
minimum elong	-12711 Jun 18 j 11:08	26°♂43'26	1°38'18	morning max el	-12710 May 02 j 13:59	21°♂21'33	18°03'46
	-12711 Jun 20 j 11:08	0°♂		asc. node	-12710 May 08 j 07:05	28°♂38'07	
max. Earth dist.	-12711 Jun 23 j 17:49	5°♂18'34	1.43647 AU		-12710 May 09 j 04:14	0°♂	
evening rise	-12711 Jul 04 j 08:35	22°♂04'41		morning set	-12710 May 18 j 23:46	17°♂04'46	
desc. node	-12711 Jul 08 j 19:22	28°♂57'04			-12710 May 26 j 04:36	0°♂	
	-12711 Jul 09 j 11:47	0°♂					
	-12711 Jul 30 j 16:06	0°♂		superior conj	-12710 May 30 j 01:33	6°♂45'42	1°48'39
evening max el	-12711 Aug 01 j 00:32	1°♂26'49	20°25'29	minimum elong	-12710 May 30 j 02:16	6°♂48'46	1°48'19
retrograde	-12711 Aug 08 j 21:20	6°♂02'00		max. Earth dist.	-12710 Jun 06 j 02:54	18°♂39'47	1.42289 AU
evening set	-12711 Aug 12 j 15:56	4°♂40'00		evening rise	-12710 Jun 13 j 10:41	0°♂29'33	
asc. node	-12711 Aug 17 j 11:38	29°♂24'40			-12710 Jun 13 j 03:13	0°♂	
	-12711 Aug 17 j 00:56	30°♂		desc. node	-12710 Jun 25 j 16:57	19°♂18'25	
inferior conj	-12711 Aug 18 j 02:02	28°♂36'30	0°11'12		-12710 Jul 03 j 02:01	0°♂	
minimum elong	-12711 Aug 18 j 01:46	28°♂37'22	0°11'48	evening max el	-12710 Jul 14 j 21:13	14°♂50'22	21°37'05
transit middle	-12711 Aug 18 j 01:46	28°♂37'22	0°11'48	retrograde	-12710 Jul 23 j 17:21	20°♂03'40	
transit begin	-12711 Aug 17 j 23:52	28°♂43'46		evening set	-12710 Jul 28 j 00:33	18°♂21'23	
transit end	-12711 Aug 18 j 03:41	28°♂30'59		inferior conj	-12710 Aug 02 j 07:03	12°♂11'19	-0°38'00
min. Earth dist.	-12711 Aug 18 j 20:42	27°♂33'51	0.66655 AU	minimum elong	-12710 Aug 02 j 07:49	12°♂08'40	0°37'10
morning rise	-12711 Aug 23 j 11:25	22°♂15'10		min. Earth dist.	-12710 Aug 02 j 15:06	11°♂43'33	0.67097 AU
direct	-12711 Aug 28 j 22:20	19°♂56'26		asc. node	-12710 Aug 04 j 08:27	9°♂24'32	
morning max el	-12711 Sep 09 j 09:11	26°♂46'16	24°41'14	morning rise	-12710 Aug 07 j 14:58	5°♂50'28	
	-12711 Sep 12 j 09:25	0°♂		direct	-12710 Aug 12 j 11:56	3°♂49'03	
	-12711 Oct 04 j 02:44	0°♂		morning max el	-12710 Aug 22 j 19:57	10°♂02'27	23°18'06
desc. node	-12711 Oct 04 j 17:04	0°♂56'18			-12710 Sep 07 j 12:19	0°♂	
morning set	-12711 Oct 15 j 03:03	18°♂12'50		desc. node	-12710 Sep 21 j 14:04	21°♂20'04	
max. Earth dist.	-12711 Oct 19 j 02:09	25°♂16'36	1.37908 AU	morning set	-12710 Sep 26 j 06:23	28°♂57'35	
	-12711 Oct 21 j 15:41	0°♂			-12710 Sep 26 j 21:24	0°♂	
				max. Earth dist.	-12710 Oct 01 j 01:05	7°♂03'11	1.39883 AU
superior conj	-12711 Oct 25 j 17:18	7°♂44'02	-1°35'45				
minimum elong	-12711 Oct 25 j 16:28	7°♂39'59	1°35'04	superior conj	-12710 Oct 08 j 13:18	20°♂27'19	-1°27'07
evening rise	-12711 Nov 03 j 03:35	24°♂23'54		minimum elong	-12710 Oct 08 j 10:42	20°♂15'21	1°26'11
	-12711 Nov 05 j 24:00	0°♂			-12710 Oct 13 j 15:28	0°♂	
asc. node	-12711 Nov 13 j 10:33	13°♂14'21		evening rise	-12710 Oct 17 j 22:10	8°♂11'41	
evening max el	-12711 Nov 20 j 01:51	21°♂40'47	19°11'55		-12710 Oct 30 j 11:54	0°♂	
retrograde	-12711 Nov 28 j 22:35	25°♂54'31		asc. node	-12710 Oct 31 j 07:51	1°♂05'46	
evening set	-12711 Dec 01 j 10:46	25°♂35'42		evening max el	-12710 Nov 03 j 03:42	4°♂17'19	18°30'52
inferior conj	-12711 Dec 09 j 13:41	21°♂20'35	4°12'02	retrograde	-12710 Nov 10 j 21:43	8°♂06'02	
minimum elong	-12711 Dec 09 j 15:42	21°♂17'07	4°12'01	evening set	-12710 Nov 13 j 08:40	7°♂44'20	
min. Earth dist.	-12711 Dec 12 j 10:35	19°♂22'54	0.57355 AU	inferior conj	-12710 Nov 20 j 23:03	3°♂09'15	4°14'38
morning rise	-12711 Dec 17 j 18:36	16°♂27'10		minimum elong	-12710 Nov 20 j 21:30	3°♂12'18	4°14'55
direct	-12711 Dec 23 j 00:58	15°♂22'51		min. Earth dist.	-12710 Nov 24 j 03:39	0°♂38'39	0.59069 AU
desc. node	-12711 Dec 31 j 18:59	18°♂16'44			-12710 Nov 25 j 00:31	30°♂	
morning max el	-12710 Jan 06 j 00:23	22°♂28'13	25°05'03	morning rise	-12710 Nov 28 j 08:31	27°♂53'40	
	-12710 Jan 12 j 16:26	0°♂		direct	-12710 Dec 04 j 16:57	26°♂11'37	
	-12710 Jan 30 j 11:06	0°♂			-12710 Dec 14 j 14:49	0°♂	
morning set	-12710 Feb 01 j 12:48	4°♂17'26		morning max el	-12710 Dec 18 j 17:47	3°♂28'54	26°24'34
				desc. node	-12710 Dec 18 j 15:30	3°♂23'29	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12709 Jan 07 j 00:07	0°♌				-12709 Dec 30 j 07:08	0°♌	
morning set	-12709 Jan 17 j 00:07	19°♌19'10			morning set	-12708 Jan 01 j 08:23	4°♌10'50	
	-12709 Jan 21 j 23:46	0°♍			max. Earth dist.	-12708 Jan 07 j 17:43	17°♌48'11	1.32841 AU
superior conj	-12709 Jan 23 j 23:38	4°♍21'13	-0°29'49		superior conj	-12708 Jan 08 j 11:29	19°♌24'59	-0°50'08
minimum elong	-12709 Jan 24 j 00:48	4°♍27'33	0°30'03		minimum elong	-12708 Jan 08 j 13:13	19°♌34'27	0°50'07
max. Earth dist.	-12709 Jan 24 j 04:46	4°♍49'14	1.32806 AU			-12708 Jan 13 j 08:26	0°♍	
asc. node	-12709 Jan 27 j 05:04	11°♍22'24			asc. node	-12708 Jan 14 j 02:26	1°♍36'11	
evening rise	-12709 Jan 31 j 02:27	19°♍37'32			evening rise	-12708 Jan 15 j 12:10	4°♍34'23	
	-12709 Feb 05 j 07:08	0°♎				-12708 Jan 29 j 05:40	0°♎	
	-12709 Feb 24 j 10:18	0°♏			evening max el	-12708 Feb 11 j 16:52	17°♎10'59	25°26'53
evening max el	-12709 Mar 01 j 19:35	5°♏50'56	26°36'40		retrograde	-12708 Feb 25 j 18:00	24°♎19'26	
retrograde	-12709 Mar 15 j 22:41	13°♏15'26			evening set	-12708 Mar 01 j 22:40	23°♎15'48	
desc. node	-12709 Mar 16 j 17:07	13°♏13'54			desc. node	-12708 Mar 02 j 14:02	22°♎59'34	
evening set	-12709 Mar 22 j 01:52	11°♏37'54			min. Earth dist.	-12708 Mar 07 j 06:32	20°♎17'27	0.57732 AU
min. Earth dist.	-12709 Mar 26 j 09:03	8°♏46'43	0.59603 AU		inferior conj	-12708 Mar 10 j 07:20	18°♎09'46	-1°49'09
inferior conj	-12709 Mar 29 j 17:02	6°♏04'37	-2°45'23		minimum elong	-12708 Mar 10 j 04:05	18°♎15'31	1°49'06
minimum elong	-12709 Mar 29 j 14:05	6°♏10'39	2°45'40		morning rise	-12708 Mar 18 j 12:43	13°♎49'04	
morning rise	-12709 Apr 06 j 05:05	1°♏25'25			direct	-12708 Mar 20 j 18:13	13°♎33'31	
direct	-12709 Apr 08 j 14:52	1°♏03'44			morning max el	-12708 Mar 29 j 07:16	17°♎37'47	18°55'15
morning max el	-12709 Apr 16 j 01:19	4°♏40'34	18°19'47			-12708 Apr 07 j 08:01	0°♏	
asc. node	-12709 Apr 25 j 03:56	17°♏23'47			asc. node	-12708 Apr 11 j 00:53	6°♏41'05	
morning set	-12709 May 02 j 03:34	0°♐10'46			morning set	-12708 Apr 14 j 19:54	13°♏58'29	
	-12709 May 02 j 01:17	0°♐				-12708 Apr 23 j 01:25	0°♐	
superior conj	-12709 May 11 j 21:56	18°♐22'48	1°45'17		superior conj	-12708 Apr 23 j 14:49	1°♐03'50	1°32'38
minimum elong	-12709 May 11 j 19:59	18°♐13'55	1°44'39		minimum elong	-12708 Apr 23 j 11:48	0°♐49'30	1°31'40
	-12709 May 18 j 11:37	0°♑			max. Earth dist.	-12708 Apr 30 j 06:21	13°♐21'41	1.38692 AU
max. Earth dist.	-12709 May 19 j 06:00	1°♑18'55	1.40558 AU		evening rise	-12708 May 04 j 09:12	20°♐36'29	
evening rise	-12709 May 24 j 08:07	9°♑51'13				-12708 May 09 j 23:22	0°♑	
	-12709 Jun 06 j 04:08	0°♒			desc. node	-12708 May 29 j 12:06	29°♑06'13	
desc. node	-12709 Jun 12 j 14:34	9°♒23'38				-12708 May 30 j 04:22	0°♒	
evening max el	-12709 Jun 27 j 11:33	28°♒10'09	22°57'21		evening max el	-12708 Jun 08 j 22:09	11°♒30'15	24°19'45
	-12709 Jun 29 j 09:39	0°♓			retrograde	-12708 Jun 20 j 01:25	18°♒05'47	
retrograde	-12709 Jul 07 j 11:05	4°♓05'49			evening set	-12708 Jun 25 j 13:26	15°♒42'16	
evening set	-12709 Jul 12 j 08:21	2°♓02'18			min. Earth dist.	-12708 Jun 30 j 05:21	10°♒13'38	0.67074 AU
	-12709 Jul 14 j 08:28	30°♓♒			inferior conj	-12708 Jun 30 j 19:15	9°♒26'29	-2°03'43
inferior conj	-12709 Jul 17 j 13:22	25°♒48'17	-1°23'25		minimum elong	-12708 Jun 30 j 21:19	9°♒19'27	2°02'59
minimum elong	-12709 Jul 17 j 14:56	25°♒42'50	1°22'31		morning rise	-12708 Jul 06 j 05:10	3°♒17'50	
min. Earth dist.	-12709 Jul 17 j 10:48	25°♒57'10	0.67242 AU		asc. node	-12708 Jul 08 j 02:00	2°♒14'21	
asc. node	-12709 Jul 22 j 05:13	20°♒06'47			direct	-12708 Jul 10 j 02:16	1°♒51'28	
morning rise	-12709 Jul 22 j 21:27	19°♒31'44			morning max el	-12708 Jul 18 j 05:29	6°♒40'31	20°39'53
direct	-12709 Jul 27 j 05:39	17°♒48'15				-12708 Aug 04 j 10:20	0°♓	
morning max el	-12709 Aug 05 j 09:53	23°♒19'05	21°55'22		morning set	-12708 Aug 15 j 14:07	17°♓04'51	
	-12709 Aug 11 j 03:12	0°♔				-12708 Aug 23 j 18:31	0°♔	
	-12709 Aug 31 j 22:19	0°♕			desc. node	-12708 Aug 25 j 08:26	2°♕32'25	
morning set	-12709 Sep 06 j 07:40	8°♕27'07			max. Earth dist.	-12708 Aug 25 j 12:35	2°♕49'11	1.43303 AU
desc. node	-12709 Sep 08 j 11:11	11°♕53'26						
max. Earth dist.	-12709 Sep 13 j 03:34	19°♕32'48	1.41768 AU		superior conj	-12708 Aug 31 j 11:06	12°♕32'21	-0°36'00
	-12709 Sep 19 j 07:36	0°♖			minimum elong	-12708 Aug 31 j 07:53	12°♕19'02	0°34'50
						-12708 Sep 10 j 17:10	0°♖	
superior conj	-12709 Sep 20 j 13:04	2°♖08'06	-1°07'38		evening rise	-12708 Sep 12 j 22:20	3°♖52'07	
minimum elong	-12709 Sep 20 j 09:10	1°♖51'03	1°06'26			-12708 Sep 29 j 11:48	0°♗	
evening rise	-12709 Oct 01 j 05:52	21°♖24'34			evening max el	-12708 Sep 30 j 01:29	0°♗35'45	18°08'32
	-12709 Oct 05 j 22:56	0°♘			asc. node	-12708 Oct 04 j 02:18	3°♗33'45	
evening max el	-12709 Oct 17 j 12:36	17°♘18'22	18°10'02		retrograde	-12708 Oct 06 j 17:27	4°♗08'15	
asc. node	-12709 Oct 18 j 05:05	17°♘57'35			evening set	-12708 Oct 09 j 07:51	3°♗35'04	
retrograde	-12709 Oct 24 j 13:11	20°♘53'48				-12708 Oct 14 j 05:47	30°♗♒	
evening set	-12709 Oct 27 j 00:52	20°♘27'23			inferior conj	-12708 Oct 15 j 22:22	28°♗18'25	3°12'08
inferior conj	-12709 Nov 03 j 02:54	15°♘30'51	3°51'16		minimum elong	-12708 Oct 15 j 18:31	28°♗28'16	3°11'53
minimum elong	-12709 Nov 02 j 23:24	15°♘38'46	3°51'17		min. Earth dist.	-12708 Oct 18 j 12:04	25°♗40'40	0.62650 AU
min. Earth dist.	-12709 Nov 06 j 03:16	12°♘47'30	0.60911 AU		morning rise	-12708 Oct 22 j 04:12	22°♗27'18	
morning rise	-12709 Nov 09 j 20:34	9°♘56'15			direct	-12708 Oct 29 j 05:20	19°♗52'00	
direct	-12709 Nov 16 j 19:07	7°♘41'28			morning max el	-12708 Nov 11 j 22:47	27°♗21'30	27°33'50
morning max el	-12709 Nov 30 j 17:17	15°♘05'47	27°16'12			-12708 Nov 14 j 12:39	0°♘	
desc. node	-12709 Dec 05 j 12:04	20°♘12'40			desc. node	-12708 Nov 21 j 08:40	8°♘15'12	
	-12709 Dec 12 j 23:05	0°♙				-12708 Dec 05 j 12:30	0°♙	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12708 Dec 15 j 11:20	18° \mathfrak{M} 43'44		morning max el	-12707 Oct 25 j 08:08	10° \mathfrak{G} 08'54	27°17'43
	-12708 Dec 20 j 21:08	0° \mathfrak{L}		desc. node	-12707 Nov 08 j 05:18	27° \mathfrak{G} 09'53	
max. Earth dist.	-12708 Dec 21 j 03:07	0° \mathfrak{L} 32'02	1.33237 AU		-12707 Nov 10 j 04:02	0° \mathfrak{Q}	
					-12707 Nov 27 j 19:27	0° \mathfrak{M}	
superior conj	-12708 Dec 22 j 21:53	4° \mathfrak{L} 21'59	-1°07'55	morning set	-12707 Nov 29 j 06:14	2° \mathfrak{M} 48'55	
minimum elong	-12708 Dec 22 j 23:53	4° \mathfrak{L} 32'45	1°07'43	max. Earth dist.	-12707 Dec 04 j 05:21	12° \mathfrak{M} 50'06	1.34022 AU
evening rise	-12708 Dec 29 j 23:20	19° \mathfrak{L} 32'31					
asc. node	-12708 Dec 30 j 23:50	21° \mathfrak{L} 40'24		superior conj	-12707 Dec 07 j 05:00	19° \mathfrak{M} 05'49	-1°22'21
	-12707 Jan 04 j 03:34	0° \mathfrak{M}		minimum elong	-12707 Dec 07 j 06:51	19° \mathfrak{M} 15'36	1°22'01
evening max el	-12707 Jan 23 j 10:24	28° \mathfrak{M} 06'29	23°58'11		-12707 Dec 12 j 07:49	0° \mathfrak{L}	
	-12707 Jan 25 j 14:07	0° \mathfrak{X}		evening rise	-12707 Dec 14 j 10:17	4° \mathfrak{L} 25'59	
retrograde	-12707 Feb 06 j 00:44	4° \mathfrak{X} 48'17		asc. node	-12707 Dec 17 j 21:14	11° \mathfrak{L} 29'42	
evening set	-12707 Feb 10 j 04:13	4° \mathfrak{X} 10'16			-12707 Dec 28 j 14:37	0° \mathfrak{M}	
min. Earth dist.	-12707 Feb 16 j 23:42	0° \mathfrak{X} 53'14	0.56282 AU	evening max el	-12706 Jan 05 j 04:46	8° \mathfrak{M} 59'29	22°23'55
desc. node	-12707 Feb 17 j 10:52	0° \mathfrak{X} 36'11		retrograde	-12706 Jan 17 j 20:13	15° \mathfrak{M} 02'23	
	-12707 Feb 18 j 10:18	30° \mathfrak{R} \mathfrak{M}		evening set	-12706 Jan 21 j 02:58	14° \mathfrak{M} 38'42	
inferior conj	-12707 Feb 19 j 01:53	29° \mathfrak{M} 35'50	-0°24'29	min. Earth dist.	-12706 Jan 29 j 14:33	10° \mathfrak{M} 49'34	0.55531 AU
minimum elong	-12707 Feb 19 j 00:53	29° \mathfrak{M} 37'22	0°24'53	inferior conj	-12706 Jan 30 j 04:36	10° \mathfrak{M} 29'22	1°17'42
morning rise	-12707 Feb 28 j 00:11	25° \mathfrak{M} 29'03		minimum elong	-12706 Jan 30 j 07:50	10° \mathfrak{M} 24'44	1°16'10
direct	-12707 Mar 02 j 03:43	25° \mathfrak{M} 16'54		desc. node	-12706 Feb 04 j 07:38	7° \mathfrak{M} 46'48	
morning max el	-12707 Mar 12 j 04:42	0° \mathfrak{X} 02'26	19°50'34	morning rise	-12706 Feb 08 j 13:35	6° \mathfrak{M} 25'09	
	-12707 Mar 12 j 03:40	0° \mathfrak{X}		direct	-12706 Feb 10 j 22:39	6° \mathfrak{M} 12'02	
asc. node	-12707 Mar 28 j 21:54	26° \mathfrak{X} 21'20		morning max el	-12706 Feb 22 j 15:20	11° \mathfrak{M} 47'50	21°04'55
morning set	-12707 Mar 29 j 21:01	28° \mathfrak{X} 16'55			-12706 Mar 07 j 12:52	0° \mathfrak{X}	
	-12707 Mar 30 j 17:29	0° \mathfrak{Z}		morning set	-12706 Mar 14 j 04:02	12° \mathfrak{X} 57'31	
				asc. node	-12706 Mar 15 j 18:57	16° \mathfrak{X} 18'22	
superior conj	-12707 Apr 06 j 22:49	14° \mathfrak{Z} 33'23	1°14'10				
minimum elong	-12707 Apr 06 j 19:54	14° \mathfrak{Z} 18'53	1°13'00	superior conj	-12706 Mar 21 j 17:41	28° \mathfrak{X} 39'07	0°52'25
max. Earth dist.	-12707 Apr 12 j 09:01	25° \mathfrak{Z} 04'36	1.36915 AU	minimum elong	-12706 Mar 21 j 15:29	28° \mathfrak{X} 27'46	0°51'15
	-12707 Apr 15 j 00:26	0° \mathfrak{Z}			-12706 Mar 22 j 09:28	0° \mathfrak{Z}	
evening rise	-12707 Apr 16 j 11:04	2° \mathfrak{Z} 37'53		max. Earth dist.	-12706 Mar 25 j 19:16	6° \mathfrak{Z} 52'33	1.35402 AU
	-12707 May 03 j 00:45	0° \mathfrak{H}		evening rise	-12706 Mar 30 j 08:06	15° \mathfrak{Z} 39'39	
desc. node	-12707 May 16 j 09:36	18° \mathfrak{H} 16'41			-12706 Apr 07 j 07:35	0° \mathfrak{Z}	
evening max el	-12707 May 22 j 07:47	24° \mathfrak{H} 51'39	25°36'13		-12706 Apr 27 j 11:43	0° \mathfrak{H}	
	-12707 May 28 j 13:25	0° \mathfrak{Y}		desc. node	-12706 May 03 j 07:03	6° \mathfrak{H} 41'42	
retrograde	-12707 Jun 03 j 11:36	1° \mathfrak{Y} 58'44		evening max el	-12706 May 04 j 18:03	8° \mathfrak{H} 10'51	26°38'04
	-12707 Jun 08 j 18:13	30° \mathfrak{R} \mathfrak{H}		retrograde	-12706 May 17 j 17:06	15° \mathfrak{H} 37'54	
evening set	-12707 Jun 09 j 13:45	29° \mathfrak{H} 19'38		evening set	-12706 May 24 j 06:54	12° \mathfrak{H} 51'18	
min. Earth dist.	-12707 Jun 13 j 20:25	24° \mathfrak{H} 30'04	0.66549 AU	min. Earth dist.	-12706 May 28 j 05:47	8° \mathfrak{H} 40'50	0.65637 AU
inferior conj	-12707 Jun 14 j 22:50	23° \mathfrak{H} 04'05	-2°37'38	inferior conj	-12706 May 29 j 22:02	6° \mathfrak{H} 37'59	-3°03'32
minimum elong	-12707 Jun 15 j 01:02	22° \mathfrak{H} 56'54	2°37'13	minimum elong	-12706 May 29 j 23:55	6° \mathfrak{H} 32'15	3°03'35
morning rise	-12707 Jun 20 j 12:22	17° \mathfrak{H} 06'26		morning rise	-12706 Jun 04 j 17:11	0° \mathfrak{H} 54'00	
direct	-12707 Jun 24 j 00:08	15° \mathfrak{H} 55'42			-12706 Jun 07 j 03:44	30° \mathfrak{R} \mathfrak{Z}	
asc. node	-12707 Jun 24 j 22:46	16° \mathfrak{H} 00'39		direct	-12706 Jun 07 j 21:21	29° \mathfrak{Z} 56'57	
morning max el	-12707 Jul 01 j 07:40	20° \mathfrak{H} 09'02	19°36'29		-12706 Jun 08 j 15:04	0° \mathfrak{H}	
	-12707 Jul 09 j 01:16	0° \mathfrak{Y}		asc. node	-12706 Jun 11 j 19:29	1° \mathfrak{H} 18'24	
morning set	-12707 Jul 25 j 19:38	25° \mathfrak{Y} 41'47		morning max el	-12706 Jun 14 j 15:38	3° \mathfrak{H} 43'23	18°48'08
	-12707 Jul 28 j 13:32	0° \mathfrak{B}			-12706 Jul 02 j 14:26	0° \mathfrak{Y}	
max. Earth dist.	-12707 Aug 08 j 02:57	16° \mathfrak{B} 39'10	1.44277 AU	morning set	-12706 Jul 05 j 17:56	5° \mathfrak{Y} 04'45	
superior conj	-12707 Aug 11 j 05:53	21° \mathfrak{B} 38'00	0°05'55	superior conj	-12706 Jul 21 j 07:18	29° \mathfrak{Y} 54'57	0°50'12
minimum elong	-12707 Aug 11 j 06:38	21° \mathfrak{B} 41'01	0°06'28	minimum elong	-12706 Jul 21 j 12:52	0° \mathfrak{B} 16'58	0°49'59
behind sun begin	-12707 Aug 10 j 20:24	21° \mathfrak{B} 00'04			-12706 Jul 21 j 08:35	0° \mathfrak{B}	
behind sun end	-12707 Aug 11 j 16:52	22° \mathfrak{B} 22'00		max. Earth dist.	-12706 Jul 21 j 19:26	0° \mathfrak{B} 42'56	1.44574 AU
desc. node	-12707 Aug 12 j 05:45	23° \mathfrak{B} 13'40		desc. node	-12706 Jul 30 j 03:11	13° \mathfrak{B} 53'45	
	-12707 Aug 16 j 10:25	0° \mathfrak{II}		evening rise	-12706 Aug 06 j 11:39	25° \mathfrak{B} 36'10	
evening rise	-12707 Aug 25 j 18:05	15° \mathfrak{II} 20'55			-12706 Aug 09 j 05:42	0° \mathfrak{II}	
	-12707 Sep 03 j 14:21	0° \mathfrak{G}		evening max el	-12706 Aug 28 j 03:05	27° \mathfrak{II} 32'41	18°59'33
evening max el	-12707 Sep 13 j 15:17	14° \mathfrak{G} 02'29	18°25'22		-12706 Aug 30 j 23:25	0° \mathfrak{G}	
retrograde	-12707 Sep 20 j 06:23	17° \mathfrak{G} 41'13		retrograde	-12706 Sep 04 j 00:24	1° \mathfrak{G} 26'15	
asc. node	-12707 Sep 20 j 23:27	17° \mathfrak{G} 38'28		evening set	-12706 Sep 07 j 02:56	0° \mathfrak{G} 31'07	
evening set	-12707 Sep 23 j 01:41	16° \mathfrak{G} 58'38		asc. node	-12706 Sep 07 j 20:30	0° \mathfrak{G} 02'25	
inferior conj	-12707 Sep 29 j 06:02	11° \mathfrak{G} 24'52	2°24'29		-12706 Sep 07 j 21:51	30° \mathfrak{R} \mathfrak{II}	
minimum elong	-12707 Sep 29 j 02:49	11° \mathfrak{G} 34'01	2°24'14	inferior conj	-12706 Sep 12 j 22:45	24° \mathfrak{II} 43'32	1°32'58
min. Earth dist.	-12707 Oct 01 j 07:07	9° \mathfrak{G} 05'31	0.64150 AU	minimum elong	-12706 Sep 12 j 20:37	24° \mathfrak{II} 50'07	1°33'00
morning rise	-12707 Oct 05 j 03:14	5° \mathfrak{G} 20'11		min. Earth dist.	-12706 Sep 14 j 11:26	22° \mathfrak{II} 50'27	0.65360 AU
direct	-12707 Oct 11 j 22:35	2° \mathfrak{G} 37'24		morning rise	-12706 Sep 18 j 13:48	18° \mathfrak{II} 29'05	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12706 Sep 24 j 22:21	15° Π 49'44		direct	-12705 Sep 08 j 04:03	29° \mathcal{B} 22'31	
morning max el	-12706 Oct 07 j 18:38	23° Π 15'08	26°32'33		-12705 Sep 11 j 08:15	0° Π	
	-12706 Oct 13 j 20:56	0° \mathfrak{S}		morning max el	-12705 Sep 20 j 04:37	6° Π 29'04	25°25'48
desc. node	-12706 Oct 26 j 02:00	16° \mathfrak{S} 41'04			-12705 Oct 08 j 13:42	0° \mathfrak{S}	
	-12706 Nov 03 j 10:39	0° Ω		desc. node	-12705 Oct 12 j 22:47	6° \mathfrak{S} 38'27	
morning set	-12706 Nov 12 j 13:32	16° Ω 14'53		morning set	-12705 Oct 26 j 04:41	28° \mathfrak{S} 48'35	
max. Earth dist.	-12706 Nov 16 j 21:17	24° Ω 36'20	1.35225 AU		-12705 Oct 26 j 20:31	0° Ω	
	-12706 Nov 19 j 13:47	0° \mathfrak{M}		max. Earth dist.	-12705 Oct 30 j 02:41	6° Ω 00'23	1.36838 AU
superior conj	-12706 Nov 21 j 06:35	3° \mathfrak{M} 28'42	-1°32'23	superior conj	-12705 Nov 04 j 23:48	17° Ω 22'06	-1°36'37
minimum elong	-12706 Nov 21 j 07:48	3° \mathfrak{M} 35'01	1°31'57	minimum elong	-12705 Nov 04 j 23:52	17° Ω 22'25	1°36'03
evening rise	-12706 Nov 28 j 19:17	19° \mathfrak{M} 08'38			-12705 Nov 11 j 06:05	0° \mathfrak{M}	
	-12706 Dec 04 j 06:21	0° \mathfrak{L}		evening rise	-12705 Nov 13 j 00:31	3° \mathfrak{M} 34'58	
asc. node	-12706 Dec 04 j 18:39	0° \mathfrak{L} 57'37		asc. node	-12705 Nov 21 j 16:03	19° \mathfrak{M} 56'16	
evening max el	-12706 Dec 18 j 05:32	20° \mathfrak{L} 12'59	20°56'42		-12705 Nov 28 j 18:01	0° \mathfrak{L}	
retrograde	-12706 Dec 29 j 10:58	25° \mathfrak{L} 29'17		evening max el	-12705 Nov 30 j 16:07	1° \mathfrak{L} 59'12	19°44'43
evening set	-12705 Jan 01 j 05:42	25° \mathfrak{L} 11'06		retrograde	-12705 Dec 10 j 07:58	6° \mathfrak{L} 32'12	
inferior conj	-12705 Jan 10 j 02:13	21° \mathfrak{L} 11'55	2°52'11	evening set	-12705 Dec 12 j 21:43	6° \mathfrak{L} 14'18	
minimum elong	-12705 Jan 10 j 07:59	21° \mathfrak{L} 03'31	2°50'28	inferior conj	-12705 Dec 21 j 07:44	2° \mathfrak{L} 08'44	3°54'27
min. Earth dist.	-12705 Jan 11 j 04:20	20° \mathfrak{L} 33'57	0.55630 AU	minimum elong	-12705 Dec 21 j 11:53	2° \mathfrak{L} 02'07	3°53'51
morning rise	-12705 Jan 19 j 09:07	16° \mathfrak{L} 54'31		min. Earth dist.	-12705 Dec 23 j 17:35	0° \mathfrak{L} 37'01	0.56546 AU
desc. node	-12705 Jan 22 j 04:16	16° \mathfrak{L} 32'21			-12705 Dec 24 j 17:54	30° \mathfrak{R} \mathfrak{M}	
direct	-12705 Jan 22 j 13:45	16° \mathfrak{L} 32'00		morning rise	-12705 Dec 29 j 23:58	27° \mathfrak{M} 29'02	
morning max el	-12705 Feb 04 j 14:54	22° \mathfrak{L} 55'07	22°34'40	direct	-12704 Jan 03 j 12:02	26° \mathfrak{M} 43'28	
	-12705 Feb 10 j 18:38	0° \mathfrak{M}		desc. node	-12704 Jan 09 j 00:51	27° \mathfrak{M} 53'33	
morning set	-12705 Feb 26 j 14:43	27° \mathfrak{M} 53'14			-12704 Jan 12 j 20:30	0° \mathfrak{L}	
	-12705 Feb 27 j 14:57	0° \mathfrak{J}		morning max el	-12704 Jan 17 j 06:47	3° \mathfrak{L} 38'09	24°11'24
asc. node	-12705 Mar 02 j 16:04	6° \mathfrak{J} 27'21			-12704 Feb 04 j 15:28	0° \mathfrak{M}	
superior conj	-12705 Mar 05 j 20:10	13° \mathfrak{J} 11'22	0°29'10	morning set	-12704 Feb 11 j 03:03	12° \mathfrak{M} 56'38	
minimum elong	-12705 Mar 05 j 18:56	13° \mathfrak{J} 04'52	0°28'09	asc. node	-12704 Feb 17 j 13:16	26° \mathfrak{M} 43'17	
max. Earth dist.	-12705 Mar 08 j 15:39	19° \mathfrak{J} 04'31	1.34235 AU	superior conj	-12704 Feb 18 j 03:43	28° \mathfrak{M} 01'09	0°05'39
evening rise	-12705 Mar 13 j 19:07	29° \mathfrak{J} 26'47		minimum elong	-12704 Feb 18 j 03:30	28° \mathfrak{M} 00'00	0°04'55
	-12705 Mar 14 j 01:55	0° \mathfrak{Z}		behind sun begin	-12704 Feb 17 j 22:35	27° \mathfrak{M} 33'32	
	-12705 Mar 31 j 10:10	0° \approx		behind sun end	-12704 Feb 18 j 08:25	28° \mathfrak{M} 26'27	
evening max el	-12705 Apr 17 j 04:48	21° \approx 20'31	27°17'11		-12704 Feb 19 j 01:49	0° \mathfrak{J}	
desc. node	-12705 Apr 20 j 04:24	24° \approx 02'58		max. Earth dist.	-12704 Feb 19 j 21:02	1° \mathfrak{J} 42'50	1.33423 AU
retrograde	-12705 Apr 30 j 17:17	28° \approx 55'55		evening rise	-12704 Feb 25 j 15:59	13° \mathfrak{J} 45'34	
evening set	-12705 May 07 j 14:09	26° \approx 13'22			-12704 Mar 05 j 05:52	0° \mathfrak{Z}	
min. Earth dist.	-12705 May 11 j 07:42	22° \approx 38'15	0.64330 AU		-12704 Mar 25 j 16:02	0° \approx	
inferior conj	-12705 May 13 j 14:30	20° \approx 04'57	-3°19'11	evening max el	-12704 Mar 29 j 14:16	4° \approx 08'54	27°27'05
minimum elong	-12705 May 13 j 15:30	20° \approx 02'08	3°19'39	desc. node	-12704 Apr 06 j 01:38	9° \approx 54'25	
morning rise	-12705 May 19 j 17:31	14° \approx 36'49		retrograde	-12704 Apr 12 j 11:08	11° \approx 43'42	
direct	-12705 May 22 j 15:35	13° \approx 51'36		evening set	-12704 Apr 19 j 08:16	9° \approx 18'17	
morning max el	-12705 May 29 j 03:39	17° \approx 20'46	18°16'40	min. Earth dist.	-12704 Apr 23 j 00:50	6° \approx 10'22	0.62667 AU
asc. node	-12705 May 29 j 16:11	17° \approx 53'09		inferior conj	-12704 Apr 25 j 21:20	3° \approx 18'48	-3°21'18
	-12705 Jun 07 j 08:21	0° \mathfrak{K}		minimum elong	-12704 Apr 25 j 20:55	3° \approx 19'50	3°21'58
morning set	-12705 Jun 16 j 17:05	15° \mathfrak{K} 36'21			-12704 Apr 29 j 11:08	30° \mathfrak{R} \mathfrak{Z}	
	-12705 Jun 25 j 08:32	0° \mathfrak{Y}		morning rise	-12704 May 02 j 10:51	28° \mathfrak{Z} 08'31	
superior conj	-12705 Jun 30 j 12:44	8° \mathfrak{Y} 25'11	1°25'25	direct	-12704 May 05 j 03:56	27° \mathfrak{Z} 33'25	
minimum elong	-12705 Jun 30 j 18:56	8° \mathfrak{Y} 50'12	1°25'03		-12704 May 10 j 17:08	0° \approx	
max. Earth dist.	-12705 Jul 04 j 10:53	14° \mathfrak{Y} 42'32	1.44173 AU	morning max el	-12704 May 11 j 17:25	0° \approx 55'49	18°03'07
	-12705 Jul 14 j 03:35	0° \mathfrak{B}		asc. node	-12704 May 15 j 12:55	5° \approx 28'42	
evening rise	-12705 Jul 17 j 02:31	4° \mathfrak{B} 36'42		morning set	-12704 May 28 j 16:09	27° \approx 15'33	
desc. node	-12705 Jul 17 j 00:42	4° \mathfrak{B} 29'40			-12704 May 30 j 05:29	0° \mathfrak{K}	
greatest brilliancy	-12705 Jul 29 j 06:12	23° \mathfrak{B} 19'15	-0.7m	superior conj	-12704 Jun 09 j 15:56	17° \mathfrak{K} 58'49	1°44'46
	-12705 Aug 02 j 18:44	0° Π		minimum elong	-12704 Jun 09 j 18:49	18° \mathfrak{K} 10'55	1°44'28
evening max el	-12705 Aug 11 j 10:23	11° Π 02'42	19°49'54	max. Earth dist.	-12704 Jun 15 j 23:00	28° \mathfrak{K} 22'09	1.43131 AU
retrograde	-12705 Aug 18 j 20:44	15° Π 19'59			-12704 Jun 16 j 23:09	0° \mathfrak{Y}	
evening set	-12705 Aug 22 j 08:49	14° Π 08'51		evening rise	-12704 Jun 25 j 02:40	12° \mathfrak{Y} 55'48	
asc. node	-12705 Aug 25 j 17:27	10° Π 56'19		desc. node	-12704 Jul 02 j 22:17	24° \mathfrak{Y} 57'24	
inferior conj	-12705 Aug 27 j 21:56	8° Π 10'31	0°40'45		-12704 Jul 06 j 06:39	0° \mathfrak{B}	
minimum elong	-12705 Aug 27 j 21:00	8° Π 13'34	0°41'09	evening max el	-12704 Jul 24 j 11:17	24° \mathfrak{B} 29'19	20°54'39
min. Earth dist.	-12705 Aug 28 j 23:00	6° Π 48'24	0.66273 AU	retrograde	-12704 Aug 01 j 17:16	29° \mathfrak{B} 19'25	
morning rise	-12705 Sep 02 j 08:52	1° Π 50'30		evening set	-12704 Aug 05 j 17:02	27° \mathfrak{B} 49'07	
	-12705 Sep 05 j 04:51	30° \mathfrak{R} \mathfrak{B}		inferior conj	-12704 Aug 11 j 01:22	21° \mathfrak{B} 42'47	-0°10'03

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12704 Aug 11 j 01:34	21° $\text{8}^{\circ}42'06''$	0°09'19	inferior conj	-12703 Jul 26 j 07:08	5° $\text{8}^{\circ}18'11''$	-0°57'49
transit middle	-12704 Aug 11 j 01:34	21° $\text{8}^{\circ}42'06''$	0°09'19	minimum elong	-12703 Jul 26 j 08:17	5° $\text{8}^{\circ}14'13''$	0°56'56
transit begin	-12704 Aug 10 j 23:20	21° $\text{8}^{\circ}49'44''$		min. Earth dist.	-12703 Jul 26 j 10:40	5° $\text{8}^{\circ}05'59''$	0.67197 AU
transit end	-12704 Aug 11 j 03:48	21° $\text{8}^{\circ}34'29''$		asc. node	-12703 Jul 29 j 11:07	1° $\text{8}^{\circ}09'19''$	
min. Earth dist.	-12704 Aug 11 j 15:33	20° $\text{8}^{\circ}54'34''$	0.66882 AU		-12703 Jul 30 j 12:30	30° $\text{R}^{\circ}\text{Y}^{\circ}$	
asc. node	-12704 Aug 11 j 14:19	20° $\text{8}^{\circ}58'45''$		morning rise	-12703 Jul 31 j 14:57	28° $\text{Y}^{\circ}59'01''$	
morning rise	-12704 Aug 16 j 09:56	15° $\text{8}^{\circ}21'19''$		direct	-12703 Aug 05 j 06:20	27° $\text{Y}^{\circ}05'20''$	
direct	-12704 Aug 21 j 14:58	13° $\text{8}^{\circ}09'31''$			-12703 Aug 11 j 19:43	0° 8°	
morning max el	-12704 Sep 01 j 14:28	19° $\text{8}^{\circ}44'30''$	24°06'17	morning max el	-12703 Aug 15 j 02:16	3° $\text{8}^{\circ}00'21''$	22°42'31
	-12704 Sep 10 j 07:42	0° II°			-12703 Sep 04 j 11:01	0° II°	
desc. node	-12704 Sep 28 j 19:42	26° $\text{II}^{\circ}54'33''$		desc. node	-12703 Sep 15 j 16:45	17° $\text{II}^{\circ}22'57''$	
	-12704 Sep 30 j 18:02	0° III°		morning set	-12703 Sep 17 j 14:37	20° $\text{II}^{\circ}28'18''$	
morning set	-12704 Oct 06 j 22:31	10° $\text{III}^{\circ}16'32''$		max. Earth dist.	-12703 Sep 23 j 02:47	29° $\text{II}^{\circ}37'16''$	1.40713 AU
max. Earth dist.	-12704 Oct 11 j 02:19	17° $\text{III}^{\circ}31'29''$	1.38743 AU		-12703 Sep 23 j 08:08	0° III°	
	-12704 Oct 17 j 21:28	0° IV°		superior conj	-12703 Sep 30 j 17:08	12° $\text{III}^{\circ}54'22''$	-1°20'19
superior conj	-12704 Oct 18 j 04:59	0° $\text{IV}^{\circ}35'36''$	-1°33'17	minimum elong	-12703 Sep 30 j 13:51	12° $\text{III}^{\circ}39'35''$	1°19'15
minimum elong	-12704 Oct 18 j 03:25	0° $\text{IV}^{\circ}28'09''$	1°32'31		-12703 Oct 09 j 22:35	0° IV°	
evening rise	-12704 Oct 26 j 23:49	17° $\text{IV}^{\circ}39'29''$		evening rise	-12703 Oct 10 j 14:17	1° $\text{IV}^{\circ}13'56''$	
	-12704 Nov 02 j 12:02	0° V°		asc. node	-12703 Oct 25 j 10:44	25° $\text{IV}^{\circ}44'19''$	
asc. node	-12704 Nov 07 j 13:24	8° $\text{V}^{\circ}16'11''$		evening max el	-12703 Oct 26 j 18:06	27° $\text{IV}^{\circ}07'20''$	18°19'31
evening max el	-12704 Nov 12 j 12:55	14° $\text{V}^{\circ}19'30''$	18°51'57		-12703 Oct 30 j 16:13	0° V°	
retrograde	-12704 Nov 20 j 20:51	18° $\text{V}^{\circ}20'44''$		retrograde	-12703 Nov 03 j 03:35	0° $\text{V}^{\circ}49'17''$	
evening set	-12704 Nov 23 j 08:31	18° $\text{V}^{\circ}00'42''$		evening set	-12703 Nov 05 j 14:37	0° $\text{V}^{\circ}25'45''$	
inferior conj	-12704 Dec 01 j 06:06	13° $\text{V}^{\circ}37'31''$	4°17'01		-12703 Nov 06 j 17:52	30° $\text{R}^{\circ}\text{IV}^{\circ}$	
minimum elong	-12704 Dec 01 j 06:28	13° $\text{V}^{\circ}36'50''$	4°17'15	inferior conj	-12703 Nov 12 j 23:38	25° $\text{IV}^{\circ}41'08''$	4°07'14
min. Earth dist.	-12704 Dec 04 j 08:05	11° $\text{V}^{\circ}23'42''$	0.58055 AU	minimum elong	-12703 Nov 12 j 21:03	25° $\text{IV}^{\circ}46'33''$	4°07'27
morning rise	-12704 Dec 09 j 02:32	8° $\text{V}^{\circ}34'41''$		min. Earth dist.	-12703 Nov 16 j 03:20	23° $\text{IV}^{\circ}02'58''$	0.59853 AU
direct	-12704 Dec 14 j 21:29	7° $\text{V}^{\circ}14'26''$		morning rise	-12703 Nov 20 j 01:54	20° $\text{IV}^{\circ}17'08''$	
desc. node	-12704 Dec 25 j 21:23	11° $\text{V}^{\circ}47'11''$		direct	-12703 Nov 26 j 17:42	18° $\text{IV}^{\circ}20'24''$	
morning max el	-12704 Dec 28 j 21:49	14° $\text{V}^{\circ}25'02''$	25°41'33	morning max el	-12703 Dec 10 j 17:46	25° $\text{IV}^{\circ}40'22''$	26°50'29
	-12703 Jan 10 j 08:02	0° VI°		desc. node	-12703 Dec 12 j 17:55	27° $\text{IV}^{\circ}41'27''$	
morning set	-12703 Jan 25 j 15:18	28° $\text{VI}^{\circ}01'30''$			-12703 Dec 14 j 20:13	0° VI°	
	-12703 Jan 26 j 13:46	0° VII°			-12702 Jan 03 j 12:18	0° VI°	
superior conj	-12703 Feb 01 j 14:19	13° $\text{VII}^{\circ}01'41''$	-0°17'14	morning set	-12702 Jan 10 j 01:36	13° $\text{VI}^{\circ}00'00''$	
minimum elong	-12703 Feb 01 j 15:02	13° $\text{VII}^{\circ}05'34''$	0°17'39	superior conj	-12702 Jan 17 j 02:11	28° $\text{VI}^{\circ}05'44''$	-0°38'42
max. Earth dist.	-12703 Feb 02 j 08:24	14° $\text{VII}^{\circ}40'07''$	1.32945 AU	minimum elong	-12702 Jan 17 j 03:37	28° $\text{VI}^{\circ}13'35''$	0°38'49
asc. node	-12703 Feb 03 j 10:34	17° $\text{VII}^{\circ}02'08''$		max. Earth dist.	-12702 Jan 16 j 21:53	27° $\text{VI}^{\circ}42'14''$	1.32787 AU
evening rise	-12703 Feb 08 j 19:42	28° $\text{VII}^{\circ}25'57''$			-12702 Jan 17 j 23:06	0° VII°	
	-12703 Feb 09 j 14:05	0° VIII°		asc. node	-12702 Jan 21 j 07:57	7° $\text{VII}^{\circ}18'54''$	
	-12703 Feb 26 j 14:07	0° IX°		evening rise	-12702 Jan 24 j 03:47	13° $\text{VII}^{\circ}18'26''$	
evening max el	-12703 Mar 11 j 20:00	16° $\text{IX}^{\circ}25'21''$	27°04'15		-12702 Feb 01 j 17:29	0° VIII°	
desc. node	-12703 Mar 23 j 22:43	23° $\text{IX}^{\circ}44'14''$		evening max el	-12702 Feb 21 j 20:08	28° $\text{VIII}^{\circ}03'51''$	26°09'52
retrograde	-12703 Mar 25 j 21:24	23° $\text{IX}^{\circ}54'15''$			-12702 Feb 23 j 23:47	0° IX°	
evening set	-12703 Apr 01 j 10:06	21° $\text{IX}^{\circ}57'11''$		retrograde	-12702 Mar 07 j 22:48	5° $\text{IX}^{\circ}22'31''$	
min. Earth dist.	-12703 Apr 05 j 08:59	19° $\text{IX}^{\circ}04'11''$	0.60755 AU	desc. node	-12702 Mar 10 j 19:42	5° $\text{IX}^{\circ}01'51''$	
inferior conj	-12703 Apr 08 j 15:09	16° $\text{IX}^{\circ}12'31''$	-3°05'11	evening set	-12702 Mar 13 j 17:27	3° $\text{IX}^{\circ}59'35''$	
minimum elong	-12703 Apr 08 j 13:02	16° $\text{IX}^{\circ}17'12''$	3°05'42	min. Earth dist.	-12702 Mar 18 j 09:28	1° $\text{IX}^{\circ}07'09''$	0.58782 AU
morning rise	-12703 Apr 15 j 18:08	11° $\text{IX}^{\circ}21'43''$			-12702 Mar 19 j 21:16	30° $\text{R}^{\circ}\text{IX}^{\circ}$	
direct	-12703 Apr 18 j 06:43	10° $\text{IX}^{\circ}55'26''$		inferior conj	-12702 Mar 21 j 16:19	28° $\text{IX}^{\circ}37'09''$	-2°25'04
morning max el	-12703 Apr 25 j 06:26	14° $\text{IX}^{\circ}22'48''$	18°08'12	minimum elong	-12702 Mar 21 j 12:59	28° $\text{IX}^{\circ}43'33''$	2°25'10
asc. node	-12703 May 02 j 09:43	23° $\text{IX}^{\circ}51'56''$		morning rise	-12702 Mar 29 j 11:36	24° $\text{IX}^{\circ}06'24''$	
	-12703 May 06 j 00:18	0° X°		direct	-12702 Mar 31 j 19:37	23° $\text{IX}^{\circ}47'32''$	
morning set	-12703 May 11 j 10:50	9° $\text{X}^{\circ}53'09''$		morning max el	-12702 Apr 08 j 15:53	27° $\text{IX}^{\circ}33'45''$	18°32'31
					-12702 Apr 10 j 22:11	0° X°	
superior conj	-12703 May 21 j 22:07	28° $\text{X}^{\circ}52'43''$	1°48'37	asc. node	-12702 Apr 19 j 06:37	12° $\text{X}^{\circ}52'00''$	
minimum elong	-12703 May 21 j 21:29	28° $\text{X}^{\circ}49'56''$	1°48'10	morning set	-12702 Apr 24 j 20:27	23° $\text{X}^{\circ}18'11''$	
	-12703 May 22 j 13:25	0° XI°			-12702 Apr 28 j 08:14	0° XI°	
max. Earth dist.	-12703 May 29 j 06:01	11° $\text{XI}^{\circ}28'03''$	1.41590 AU	superior conj	-12702 May 04 j 03:57	10° $\text{XI}^{\circ}59'15''$	1°40'49
evening rise	-12703 Jun 04 j 11:00	21° $\text{XI}^{\circ}38'38''$		minimum elong	-12702 May 04 j 01:23	10° $\text{XI}^{\circ}47'18''$	1°40'03
	-12703 Jun 09 j 17:55	0° XII°		max. Earth dist.	-12702 May 11 j 07:38	23° $\text{XI}^{\circ}51'18''$	1.39763 AU
desc. node	-12703 Jun 19 j 19:53	15° $\text{XII}^{\circ}12'25''$			-12702 May 14 j 21:29	0° XI°	
	-12703 Jun 30 j 11:56	0° XIII°		evening rise	-12702 May 15 j 20:00	1° $\text{XI}^{\circ}34'49''$	
evening max el	-12703 Jul 07 j 05:08	7° $\text{XIII}^{\circ}51'01''$	22°10'34		-12702 Jun 03 j 01:54	0° XII°	
retrograde	-12703 Jul 16 j 12:22	13° $\text{XIII}^{\circ}21'36''$		desc. node	-12702 Jun 06 j 17:27	5° $\text{XII}^{\circ}09'06''$	
evening set	-12703 Jul 21 j 01:32	11° $\text{XIII}^{\circ}30'06''$					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12702 Jun 19 j 17:22	21° Υ 10'02	23°32'34	evening set	-12701 Jun 19 j 11:44	8° Υ 50'09	
retrograde	-12702 Jun 30 j 04:50	27° Υ 23'42		min. Earth dist.	-12701 Jun 23 j 23:31	3° Υ 37'48	0.66888 AU
evening set	-12702 Jul 05 j 08:26	25° Υ 11'03		inferior conj	-12701 Jun 24 j 18:36	2° Υ 33'57	-2°19'00
inferior conj	-12702 Jul 10 j 13:29	18° Υ 55'52	-1°41'13	minimum elong	-12701 Jun 24 j 20:47	2° Υ 26'38	2°18'23
minimum elong	-12702 Jul 10 j 15:18	18° Υ 49'34	1°40'22		-12701 Jun 26 j 17:55	30° \Re \mathfrak{H}	
min. Earth dist.	-12702 Jul 10 j 06:07	19° Υ 21'12	0.67206 AU	morning rise	-12701 Jun 30 j 05:49	26° \mathfrak{H} 29'29	
morning rise	-12702 Jul 15 j 22:09	12° Υ 42'26		asc. node	-12701 Jul 03 j 04:38	25° \mathfrak{H} 13'19	
asc. node	-12702 Jul 16 j 07:53	12° Υ 24'22		direct	-12701 Jul 03 j 22:37	25° \mathfrak{H} 10'08	
direct	-12702 Jul 20 j 01:18	11° Υ 06'38		morning max el	-12701 Jul 11 j 16:56	29° \mathfrak{H} 43'35	20°11'11
morning max el	-12702 Jul 28 j 18:33	16° Υ 19'22	21°22'09		-12701 Jul 11 j 23:14	0° Υ	
	-12702 Aug 08 j 14:23	0° \mathfrak{C}			-12701 Aug 02 j 05:24	0° \mathfrak{C}	
morning set	-12702 Aug 28 j 06:21	29° \mathfrak{C} 31'31		morning set	-12701 Aug 07 j 09:44	8° \mathfrak{C} 01'11	
	-12702 Aug 28 j 13:36	0° Π		max. Earth dist.	-12701 Aug 18 j 19:03	25° \mathfrak{C} 58'14	1.43789 AU
desc. node	-12702 Sep 02 j 13:57	7° Π 59'20		desc. node	-12701 Aug 20 j 11:14	28° \mathfrak{C} 39'35	
max. Earth dist.	-12702 Sep 05 j 08:08	12° Π 28'13	1.42473 AU		-12701 Aug 21 j 07:11	0° Π	
superior conj	-12702 Sep 12 j 06:30	24° Π 03'36	-0°55'42	superior conj	-12701 Aug 23 j 16:31	3° Π 52'39	-0°19'09
minimum elong	-12702 Sep 12 j 02:31	23° Π 46'40	0°54'28	minimum elong	-12701 Aug 23 j 14:37	3° Π 44'52	0°18'11
	-12702 Sep 15 j 17:05	0° \mathfrak{D}		evening rise	-12701 Sep 06 j 00:25	26° Π 12'55	
evening rise	-12702 Sep 23 j 16:09	14° \mathfrak{D} 09'17			-12701 Sep 08 j 05:22	0° \mathfrak{D}	
	-12702 Oct 02 j 16:56	0° Ω		evening max el	-12701 Sep 23 j 18:37	23° \mathfrak{D} 37'38	18°13'35
evening max el	-12702 Oct 10 j 05:00	10° Ω 15'48	18°07'02	asc. node	-12701 Sep 29 j 05:08	27° \mathfrak{D} 04'31	
asc. node	-12702 Oct 12 j 07:59	12° Ω 05'54		retrograde	-12701 Sep 30 j 09:24	27° \mathfrak{D} 11'44	
retrograde	-12702 Oct 17 j 01:08	13° Ω 49'14		evening set	-12701 Oct 03 j 01:33	26° \mathfrak{D} 35'02	
evening set	-12702 Oct 19 j 13:34	13° Ω 20'22		inferior conj	-12701 Oct 09 j 11:35	21° \mathfrak{D} 11'04	2°52'39
inferior conj	-12702 Oct 26 j 10:34	8° Ω 14'56	3°36'08	minimum elong	-12701 Oct 09 j 07:55	21° \mathfrak{D} 20'54	2°52'22
minimum elong	-12702 Oct 26 j 06:46	8° Ω 24'02	3°36'00	min. Earth dist.	-12701 Oct 11 j 20:09	18° \mathfrak{D} 39'30	0.63319 AU
min. Earth dist.	-12702 Oct 29 j 06:51	5° Ω 31'52	0.61671 AU	morning rise	-12701 Oct 15 j 13:23	15° \mathfrak{D} 13'40	
morning rise	-12702 Nov 01 j 22:43	2° Ω 32'37		direct	-12701 Oct 22 j 12:58	12° \mathfrak{D} 33'16	
direct	-12702 Nov 08 j 23:23	0° Ω 07'29		morning max el	-12701 Nov 05 j 03:37	20° \mathfrak{D} 05'05	27°30'52
morning max el	-12702 Nov 22 j 20:15	7° Ω 34'56	27°27'56		-12701 Nov 13 j 19:43	0° Ω	
desc. node	-12702 Nov 29 j 14:31	15° Ω 04'48		desc. node	-12701 Nov 16 j 11:09	3° Ω 31'48	
	-12702 Dec 10 j 02:31	0° \mathfrak{P}			-12701 Dec 02 j 23:42	0° \mathfrak{P}	
morning set	-12702 Dec 25 j 07:55	27° \mathfrak{P} 44'50		morning set	-12701 Dec 09 j 07:51	12° \mathfrak{P} 07'35	
	-12702 Dec 26 j 10:08	0° \mathfrak{Q}		max. Earth dist.	-12701 Dec 14 j 16:20	23° \mathfrak{P} 09'19	1.33513 AU
max. Earth dist.	-12702 Dec 31 j 09:46	10° \mathfrak{Q} 36'00	1.32965 AU	superior conj	-12701 Dec 16 j 22:55	28° \mathfrak{P} 00'04	-1°14'32
superior conj	-12701 Jan 01 j 13:38	13° \mathfrak{Q} 07'15	-0°58'03	minimum elong	-12701 Dec 17 j 00:54	28° \mathfrak{P} 10'43	1°14'15
minimum elong	-12701 Jan 01 j 15:31	13° \mathfrak{Q} 17'30	0°57'56		-12701 Dec 17 j 21:15	0° \mathfrak{Q}	
asc. node	-12701 Jan 08 j 05:21	27° \mathfrak{Q} 29'06		evening rise	-12701 Dec 24 j 01:35	13° \mathfrak{Q} 13'21	
evening rise	-12701 Jan 08 j 14:19	28° \mathfrak{Q} 16'14		asc. node	-12701 Dec 26 j 02:45	17° \mathfrak{Q} 27'59	
	-12701 Jan 09 j 10:11	0° \mathfrak{R}			-12700 Jan 01 j 16:07	0° \mathfrak{R}	
	-12701 Jan 26 j 16:38	0° \mathfrak{S}		evening max el	-12700 Jan 16 j 08:35	20° \mathfrak{R} 03'10	23°18'04
evening max el	-12701 Feb 03 j 15:10	9° \mathfrak{S} 10'19	24°50'34	retrograde	-12700 Jan 29 j 15:09	26° \mathfrak{R} 29'47	
retrograde	-12701 Feb 17 j 13:19	16° \mathfrak{S} 09'50		evening set	-12700 Feb 02 j 08:32	25° \mathfrak{R} 59'27	
evening set	-12701 Feb 22 j 07:04	15° \mathfrak{S} 18'22		min. Earth dist.	-12700 Feb 09 j 21:16	22° \mathfrak{R} 30'28	0.55861 AU
desc. node	-12701 Feb 25 j 16:35	13° \mathfrak{S} 44'25		inferior conj	-12700 Feb 11 j 09:09	21° \mathfrak{R} 37'09	0°17'54
min. Earth dist.	-12701 Feb 28 j 04:50	12° \mathfrak{S} 13'20	0.57043 AU	minimum elong	-12700 Feb 11 j 09:52	21° \mathfrak{R} 36'05	0°17'03
inferior conj	-12701 Mar 02 j 22:04	10° \mathfrak{S} 25'20	-1°16'23	desc. node	-12700 Feb 12 j 13:23	20° \mathfrak{R} 55'28	
minimum elong	-12701 Mar 02 j 19:26	10° \mathfrak{S} 29'44	1°16'23	morning rise	-12700 Feb 20 j 13:08	17° \mathfrak{R} 32'51	
morning rise	-12701 Mar 11 j 11:02	6° \mathfrak{S} 11'48		direct	-12700 Feb 22 j 17:30	17° \mathfrak{R} 21'02	
direct	-12701 Mar 13 j 15:00	5° \mathfrak{S} 58'14		morning max el	-12700 Mar 04 j 11:46	22° \mathfrak{R} 28'04	20°19'54
morning max el	-12701 Mar 22 j 18:38	10° \mathfrak{S} 18'33	19°16'26		-12700 Mar 10 j 17:47	0° \mathfrak{S}	
	-12701 Apr 04 j 22:25	0° \mathfrak{Z}		morning set	-12700 Mar 22 j 20:51	21° \mathfrak{S} 49'04	
asc. node	-12701 Apr 06 j 03:36	2° \mathfrak{Z} 19'39		asc. node	-12700 Mar 23 j 00:37	22° \mathfrak{S} 08'11	
morning set	-12701 Apr 08 j 16:53	7° \mathfrak{Z} 19'42			-12700 Mar 26 j 20:49	0° \mathfrak{Z}	
superior conj	-12701 Apr 17 j 03:52	24° \mathfrak{Z} 02'38	1°25'20	superior conj	-12700 Mar 30 j 16:58	7° \mathfrak{Z} 49'28	1°05'13
minimum elong	-12701 Apr 17 j 00:47	23° \mathfrak{Z} 47'42	1°24'16	minimum elong	-12700 Mar 30 j 14:18	7° \mathfrak{Z} 36'00	1°04'03
	-12701 Apr 20 j 06:32	0° \mathfrak{A}		max. Earth dist.	-12700 Apr 04 j 12:58	17° \mathfrak{Z} 22'32	1.36236 AU
max. Earth dist.	-12701 Apr 23 j 07:41	5° \mathfrak{A} 40'20	1.37905 AU	evening rise	-12700 Apr 08 j 19:02	25° \mathfrak{Z} 24'11	
evening rise	-12701 Apr 27 j 08:13	12° \mathfrak{A} 54'00			-12700 Apr 11 j 07:47	0° \mathfrak{A}	
	-12701 May 07 j 13:37	0° \mathfrak{H}			-12700 Apr 30 j 01:04	0° \mathfrak{H}	
desc. node	-12701 May 24 j 14:59	24° \mathfrak{H} 39'25		desc. node	-12700 May 10 j 12:25	13° \mathfrak{H} 32'43	
	-12701 May 28 j 23:37	0° Υ		evening max el	-12700 May 14 j 13:00	17° \mathfrak{H} 51'52	26°04'51
evening max el	-12701 Jun 02 j 03:02	4° Υ 29'54	24°53'33	retrograde	-12700 May 27 j 01:55	25° \mathfrak{H} 08'54	
retrograde	-12701 Jun 13 j 17:38	11° Υ 21'04		evening set	-12700 Jun 02 j 09:17	22° \mathfrak{H} 25'43	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12700 Jun 06 j 12:33	17° H 52'37	0.66210 AU	retrograde	-12699 May 10 j 05:03	8° H 40'05	
inferior conj	-12700 Jun 07 j 20:35	16° H 10'46	-2°49'45	evening set	-12699 May 16 j 22:34	5° H 53'56	
minimum elong	-12700 Jun 07 j 22:43	16° H 04'00	2°49'31	min. Earth dist.	-12699 May 20 j 18:56	1° H 59'07	0.65136 AU
morning rise	-12700 Jun 13 j 12:14	10° H 18'18			-12699 May 22 j 11:22	30° R ≈	
direct	-12700 Jun 16 j 20:34	9° H 13'32		inferior conj	-12699 May 22 j 17:15	29°≈42'33	-3°11'38
asc. node	-12700 Jun 19 j 01:21	9° H 40'01		minimum elong	-12699 May 22 j 18:50	29°≈37'54	3°11'51
morning max el	-12700 Jun 23 j 21:37	13° H 14'28	19°13'49	morning rise	-12699 May 28 j 15:26	24°≈04'56	
	-12700 Jul 06 j 03:05	0° Y		direct	-12699 May 31 j 16:58	23°≈12'57	
morning set	-12700 Jul 16 j 20:36	16° Y 52'40		asc. node	-12699 Jun 05 j 22:03	25°≈32'37	
	-12700 Jul 25 j 03:50	0° Z		morning max el	-12699 Jun 07 j 07:31	26°≈50'29	18°32'33
max. Earth dist.	-12700 Jul 31 j 10:20	9° Z 54'58	1.44493 AU		-12699 Jun 10 j 01:29	0° H	
				morning set	-12699 Jun 27 j 05:14	26° H 44'39	
					-12699 Jun 29 j 04:55	0° Y	
superior conj	-12700 Aug 02 j 01:50	12° Z 31'38	0°25'07				
minimum elong	-12700 Aug 02 j 04:51	12° Z 43'36	0°25'17				
desc. node	-12700 Aug 06 j 08:35	19° Z 20'43		superior conj	-12699 Jul 12 j 02:07	20° Y 46'14	1°06'51
	-12700 Aug 12 j 23:30	0° II		minimum elong	-12699 Jul 12 j 08:38	21° Y 12'07	1°06'30
evening rise	-12700 Aug 17 j 09:28	7° II 11'11		max. Earth dist.	-12699 Jul 14 j 03:17	24° Y 01'26	1.44494 AU
	-12700 Aug 31 j 17:00	0° E			-12699 Jul 17 j 21:56	0° Z	
evening max el	-12700 Sep 06 j 07:55	7° E 06'35	18°37'57	desc. node	-12699 Jul 24 j 06:03	9° Z 59'45	
retrograde	-12700 Sep 13 j 00:43	10° E 50'12		evening rise	-12699 Jul 28 j 15:13	16° Z 54'02	
asc. node	-12700 Sep 15 j 02:13	10° E 26'25			-12699 Aug 05 j 23:27	0° II	
evening set	-12700 Sep 15 j 22:53	10° E 02'37		evening max el	-12699 Aug 20 j 18:09	20° II 37'47	19°19'05
inferior conj	-12700 Sep 21 j 23:23	4° E 22'47	2°02'51	retrograde	-12699 Aug 27 j 20:00	24° II 40'01	
minimum elong	-12700 Sep 21 j 20:36	4° E 31'00	2°02'42	evening set	-12699 Aug 31 j 02:26	23° II 38'18	
min. Earth dist.	-12700 Sep 23 j 19:10	2° E 13'52	0.64704 AU	asc. node	-12699 Sep 01 j 23:12	22° II 09'51	
	-12700 Sep 25 j 19:54	30° R II		inferior conj	-12699 Sep 05 j 19:09	17° II 45'39	1°10'44
morning rise	-12700 Sep 27 j 17:43	28° II 13'45		minimum elong	-12699 Sep 05 j 17:31	17° II 50'49	1°10'55
direct	-12700 Oct 04 j 09:07	25° II 31'03		min. Earth dist.	-12699 Sep 07 j 02:42	16° II 05'38	0.65786 AU
	-12700 Oct 14 j 05:16	0° E		morning rise	-12699 Sep 11 j 08:15	11° II 28'34	
morning max el	-12700 Oct 17 j 13:25	3° E 00'46	27°01'40	direct	-12699 Sep 17 j 11:17	8° II 53'33	
desc. node	-12700 Nov 02 j 07:48	22° E 43'34		morning max el	-12699 Sep 29 j 23:48	16° II 11'47	26°06'24
	-12700 Nov 07 j 02:33	0° O			-12699 Oct 11 j 13:17	0° E	
morning set	-12700 Nov 21 j 22:15	25° O 57'19		desc. node	-12699 Oct 20 j 04:33	12° E 27'27	
	-12700 Nov 23 j 23:54	0° P			-12699 Oct 30 j 22:20	0° O	
max. Earth dist.	-12700 Nov 26 j 14:15	5° P 13'03	1.34476 AU	morning set	-12699 Nov 04 j 23:15	9° O 02'40	
				max. Earth dist.	-12699 Nov 09 j 01:49	16° O 49'15	1.35868 AU
superior conj	-12700 Nov 30 j 03:58	12° P 36'10	-1°27'14				
minimum elong	-12700 Nov 30 j 05:37	12° P 44'48	1°26'51	superior conj	-12699 Nov 14 j 02:22	26° O 47'50	-1°34'59
evening rise	-12700 Dec 07 j 11:53	28° P 03'03		minimum elong	-12699 Nov 14 j 03:10	26° O 51'53	1°34'31
	-12700 Dec 08 j 10:29	0° U			-12699 Nov 15 j 16:03	0° P	
asc. node	-12700 Dec 12 j 00:10	7° U 09'18		evening rise	-12699 Nov 21 j 19:33	12° P 39'52	
	-12700 Dec 27 j 03:12	0° M		asc. node	-12699 Nov 28 j 21:34	26° P 26'00	
evening max el	-12700 Dec 28 j 05:14	1° M 03'26	21°45'30		-12699 Nov 30 j 22:56	0° U	
retrograde	-12699 Jan 09 j 06:55	6° M 46'09		evening max el	-12699 Dec 10 j 09:50	12° U 29'32	20°23'51
evening set	-12699 Jan 12 j 07:41	6° M 25'36		retrograde	-12699 Dec 20 j 22:53	17° U 26'37	
inferior conj	-12699 Jan 21 j 08:08	2° M 23'11	2°00'22	evening set	-12699 Dec 23 j 15:08	17° U 08'49	
minimum elong	-12699 Jan 21 j 12:53	2° M 16'24	1°58'33	inferior conj	-12698 Jan 01 j 07:31	13° U 08'22	3°23'27
min. Earth dist.	-12699 Jan 21 j 11:32	2° M 18'20	0.55469 AU	minimum elong	-12698 Jan 01 j 13:05	13° U 00'01	3°22'08
	-12699 Jan 25 j 18:13	30° R U		min. Earth dist.	-12698 Jan 03 j 00:33	12° U 07'00	0.55932 AU
desc. node	-12699 Jan 29 j 10:05	28° U 34'22		morning rise	-12698 Jan 10 j 09:28	8° U 42'29	
morning rise	-12699 Jan 30 j 17:59	28° U 15'07		direct	-12698 Jan 14 j 02:38	8° U 12'07	
direct	-12699 Feb 02 j 09:48	27° U 59'11		desc. node	-12698 Jan 16 j 06:42	8° U 22'49	
	-12699 Feb 09 j 13:12	0° M		morning max el	-12698 Jan 27 j 12:58	14° U 50'03	23°15'42
morning max el	-12699 Feb 14 j 17:24	3° M 56'13	21°41'27		-12698 Feb 08 j 05:43	0° M	
	-12699 Mar 03 j 23:15	0° X		morning set	-12698 Feb 19 j 17:20	21° M 37'21	
morning set	-12699 Mar 07 j 05:43	6° X 37'20			-12698 Feb 23 j 16:03	0° X	
asc. node	-12699 Mar 09 j 21:42	12° X 11'07		asc. node	-12698 Feb 24 j 18:53	2° X 23'42	
superior conj	-12699 Mar 14 j 15:25	22° X 07'37	0°42'40	superior conj	-12698 Feb 26 j 20:20	6° X 48'11	0°19'10
minimum elong	-12699 Mar 14 j 13:37	21° X 58'11	0°41'32	minimum elong	-12698 Feb 26 j 19:32	6° X 43'58	0°18'15
max. Earth dist.	-12699 Mar 18 j 03:47	29° X 21'02	1.34872 AU	max. Earth dist.	-12698 Mar 01 j 04:28	11° X 45'26	1.33851 AU
	-12699 Mar 18 j 11:30	0° Z		evening rise	-12698 Mar 06 j 14:15	22° X 49'05	
evening rise	-12699 Mar 22 j 22:37	8° Z 47'20			-12698 Mar 10 j 07:22	0° Z	
	-12699 Apr 03 j 21:14	0°≈			-12698 Mar 28 j 14:39	0°≈	
	-12699 Apr 25 j 20:24	0° H		evening max el	-12698 Apr 09 j 10:15	14°≈10'57	27°25'07
evening max el	-12699 Apr 26 j 23:51	1° H 09'12	26°57'52	desc. node	-12698 Apr 14 j 07:07	18°≈20'15	
desc. node	-12699 Apr 27 j 09:49	1° H 33'28		retrograde	-12698 Apr 23 j 02:27	21°≈46'33	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12698 Apr 30 j 00:38	19° \approx 09'28		desc. node	-12697 Apr 01 j 04:17	3° \approx 24'49	
min. Earth dist.	-12698 May 03 j 17:01	15° \approx 47'31	0.63670 AU	retrograde	-12697 Apr 05 j 17:32	4° \approx 20'18	
inferior conj	-12698 May 06 j 05:59	13° \approx 04'33	-3°22'00	evening set	-12697 Apr 12 j 12:18	2° \approx 05'27	
minimum elong	-12698 May 06 j 06:27	13° \approx 03'18	3°22'35		-12697 Apr 15 j 05:50	30° \approx 03'	
morning rise	-12698 May 12 j 13:09	7° \approx 44'01		min. Earth dist.	-12697 Apr 16 j 06:15	29° \approx 05'47	0.61872 AU
direct	-12698 May 15 j 09:05	7° \approx 03'14		inferior conj	-12697 Apr 19 j 07:45	26° \approx 11'15	-3°17'03
morning max el	-12698 May 21 j 20:37	10° \approx 27'48	18°08'41	minimum elong	-12697 Apr 19 j 06:38	26° \approx 13'57	3°17'42
asc. node	-12698 May 23 j 18:46	12° \approx 35'04		morning rise	-12697 Apr 26 j 02:41	21° \approx 09'28	
	-12698 Jun 04 j 02:20	0° \approx		direct	-12697 Apr 28 j 17:45	20° \approx 38'25	
morning set	-12698 Jun 08 j 14:57	7° \approx 45'53		morning max el	-12697 May 05 j 10:32	24° \approx 01'25	18°03'00
					-12697 May 10 j 06:34	0° \approx	
superior conj	-12698 Jun 21 j 15:21	29° \approx 39'14	1°35'42	asc. node	-12697 May 10 j 15:33	0° \approx 33'04	
minimum elong	-12698 Jun 21 j 20:24	29° \approx 59'53	1°35'22	morning set	-12697 May 21 j 23:01	19° \approx 51'47	
	-12698 Jun 21 j 20:26	0° \approx			-12697 May 27 j 15:08	0° \approx	
max. Earth dist.	-12698 Jun 26 j 18:04	7° \approx 56'15	1.43801 AU				
evening rise	-12698 Jul 07 j 21:30	25° \approx 30'34		superior conj	-12697 Jun 02 j 06:15	9° \approx 48'09	1°48'06
	-12698 Jul 10 j 19:06	0° \approx		minimum elong	-12697 Jun 02 j 07:30	9° \approx 53'31	1°47'47
desc. node	-12698 Jul 11 j 03:35	0° \approx 32'46		max. Earth dist.	-12697 Jun 09 j 03:47	21° \approx 22'03	1.42523 AU
	-12698 Jul 31 j 08:41	0° \approx			-12697 Jun 14 j 11:50	0° \approx	
evening max el	-12698 Aug 03 j 22:49	4° \approx 06'18	20°15'47	evening rise	-12697 Jun 16 j 22:19	3° \approx 51'48	
retrograde	-12698 Aug 11 j 16:46	8° \approx 36'45		desc. node	-12697 Jun 28 j 01:10	20° \approx 55'55	
evening set	-12698 Aug 15 j 09:35	7° \approx 17'41			-12697 Jul 04 j 05:28	0° \approx	
asc. node	-12698 Aug 19 j 20:07	2° \approx 35'41		evening max el	-12697 Jul 17 j 20:37	17° \approx 30'39	21°25'46
inferior conj	-12698 Aug 20 j 20:24	1° \approx 15'19	0°18'54	retrograde	-12697 Jul 26 j 13:00	22° \approx 37'50	
minimum elong	-12698 Aug 20 j 19:58	1° \approx 16'47	0°19'27	evening set	-12697 Jul 30 j 18:11	20° \approx 58'48	
min. Earth dist.	-12698 Aug 21 j 16:41	0° \approx 07'37	0.66565 AU	inferior conj	-12697 Aug 05 j 01:06	14° \approx 49'39	-0°30'46
	-12698 Aug 21 j 18:58	30° \approx 08'		minimum elong	-12697 Aug 05 j 01:44	14° \approx 47'29	0°29'57
morning rise	-12698 Aug 26 j 06:07	24° \approx 54'09		min. Earth dist.	-12697 Aug 05 j 10:46	14° \approx 16'25	0.67052 AU
direct	-12698 Aug 31 j 19:08	22° \approx 32'56		asc. node	-12697 Aug 06 j 16:58	12° \approx 34'14	
morning max el	-12698 Sep 12 j 09:49	29° \approx 27'43	24°53'04	morning rise	-12697 Aug 10 j 09:08	8° \approx 28'24	
	-12698 Sep 12 j 22:29	0° \approx		direct	-12697 Aug 15 j 08:09	6° \approx 24'13	
	-12698 Oct 05 j 09:56	0° \approx		morning max el	-12697 Aug 25 j 20:14	12° \approx 43'34	23°30'32
desc. node	-12698 Oct 07 j 01:24	2° \approx 33'40			-12697 Sep 08 j 15:59	0° \approx	
morning set	-12698 Oct 18 j 05:57	21° \approx 09'51		desc. node	-12697 Sep 23 j 22:24	22° \approx 55'37	
max. Earth dist.	-12698 Oct 22 j 04:13	28° \approx 13'11	1.37625 AU		-12697 Sep 28 j 06:51	0° \approx	
	-12698 Oct 23 j 03:24	0° \approx		morning set	-12697 Sep 29 j 13:10	2° \approx 06'04	
				max. Earth dist.	-12697 Oct 04 j 02:57	9° \approx 54'12	1.39589 AU
superior conj	-12698 Oct 28 j 14:56	10° \approx 25'08	-1°36'15				
minimum elong	-12698 Oct 28 j 14:21	10° \approx 22'16	1°35'37	superior conj	-12697 Oct 11 j 13:29	23° \approx 16'46	-1°29'06
evening rise	-12698 Nov 05 j 22:33	26° \approx 57'31		minimum elong	-12697 Oct 11 j 11:09	23° \approx 05'56	1°28'12
	-12698 Nov 07 j 11:19	0° \approx			-12697 Oct 15 j 03:16	0° \approx	
asc. node	-12698 Nov 15 j 18:57	15° \approx 09'22		evening rise	-12697 Oct 20 j 18:27	10° \approx 49'51	
evening max el	-12698 Nov 23 j 00:42	24° \approx 29'40	19°19'45		-12697 Oct 31 j 11:17	0° \approx	
retrograde	-12698 Dec 02 j 02:15	28° \approx 48'06		asc. node	-12697 Nov 02 j 16:18	3° \approx 08'51	
evening set	-12698 Dec 04 j 14:41	28° \approx 29'38		evening max el	-12697 Nov 06 j 01:23	7° \approx 02'33	18°35'41
inferior conj	-12698 Dec 12 j 19:28	24° \approx 17'17	4°08'40	retrograde	-12697 Nov 13 j 22:39	10° \approx 53'59	
minimum elong	-12698 Dec 12 j 22:04	24° \approx 12'54	4°08'33	evening set	-12697 Nov 16 j 09:45	10° \approx 32'45	
min. Earth dist.	-12698 Dec 15 j 14:04	22° \approx 25'45	0.57127 AU	inferior conj	-12697 Nov 24 j 02:00	6° \approx 00'57	4°16'10
morning rise	-12698 Dec 21 j 03:22	19° \approx 27'14		minimum elong	-12697 Nov 24 j 00:55	6° \approx 03'03	4°16'28
direct	-12698 Dec 26 j 05:04	18° \approx 28'04		min. Earth dist.	-12697 Nov 27 j 06:26	3° \approx 33'55	0.58800 AU
desc. node	-12697 Jan 03 j 03:16	20° \approx 51'07		morning rise	-12697 Dec 01 j 14:12	0° \approx 48'35	
morning max el	-12697 Jan 09 j 03:46	25° \approx 31'26	24°51'38		-12697 Dec 03 j 10:45	30° \approx 08'01	
	-12697 Jan 13 j 08:21	0° \approx		direct	-12697 Dec 07 j 19:36	29° \approx 11'57	
	-12697 Jan 31 j 23:31	0° \approx			-12697 Dec 12 j 06:08	0° \approx	
morning set	-12697 Feb 04 j 05:52	6° \approx 42'21		desc. node	-12697 Dec 20 j 23:51	5° \approx 39'55	
				morning max el	-12697 Dec 21 j 20:23	6° \approx 27'51	26°14'16
superior conj	-12697 Feb 11 j 05:26	21° \approx 43'37	-0°04'13		-12696 Jan 08 j 07:51	0° \approx	
minimum elong	-12697 Feb 11 j 05:38	21° \approx 44'42	0°04'49	morning set	-12696 Jan 19 j 17:29	21° \approx 45'01	
behind sun begin	-12697 Feb 11 j 00:46	21° \approx 18'20			-12696 Jan 23 j 14:12	0° \approx	
behind sun end	-12697 Feb 11 j 10:30	22° \approx 11'02					
asc. node	-12697 Feb 11 j 16:09	22° \approx 41'38		superior conj	-12696 Jan 26 j 16:46	6° \approx 46'24	-0°26'34
max. Earth dist.	-12697 Feb 12 j 12:41	24° \approx 32'31	1.33170 AU	minimum elong	-12696 Jan 26 j 17:49	6° \approx 52'08	0°26'51
	-12697 Feb 15 j 01:58	0° \approx		max. Earth dist.	-12696 Jan 27 j 01:10	7° \approx 32'14	1.32827 AU
evening rise	-12697 Feb 18 j 14:20	7° \approx 18'06		asc. node	-12696 Jan 29 j 13:29	13° \approx 00'07	
	-12697 Mar 02 j 20:10	0° \approx		evening rise	-12696 Feb 02 j 20:08	22° \approx 04'25	
evening max el	-12697 Mar 22 j 18:11	26° \approx 46'32	27°21'25		-12696 Feb 06 j 18:38	0° \approx	
	-12697 Mar 26 j 10:35	0° \approx			-12696 Feb 25 j 04:02	0° \approx	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12696 Mar 03 j 21:41	8° Z 47'11	26°44'54	retrograde	-12695 Feb 27 j 21:18	27° Z 22'41	
retrograde	-12696 Mar 18 j 00:37	16° Z 13'01		desc. node	-12695 Mar 04 j 22:17	26° Z 21'56	
desc. node	-12696 Mar 18 j 01:20	16° Z 13'01		evening set	-12695 Mar 05 j 05:49	26° Z 14'17	
evening set	-12696 Mar 24 j 06:27	14° Z 30'25		min. Earth dist.	-12695 Mar 10 j 09:15	23° Z 17'52	0.57995 AU
min. Earth dist.	-12696 Mar 28 j 11:08	11° Z 39'10	0.59897 AU	inferior conj	-12695 Mar 13 j 12:04	21° Z 03'57	-1°59'33
inferior conj	-12696 Mar 31 j 18:56	8° Z 53'54	-2°51'29	minimum elong	-12695 Mar 13 j 08:43	21° Z 10'00	1°59'32
minimum elong	-12696 Mar 31 j 16:11	8° Z 59'40	2°51'51	morning rise	-12695 Mar 21 j 14:48	16° Z 40'40	
morning rise	-12696 Apr 08 j 04:32	4° Z 11'36		direct	-12695 Mar 23 j 20:59	16° Z 24'17	
direct	-12696 Apr 10 j 15:01	3° Z 48'46		morning max el	-12695 Apr 01 j 05:16	20° Z 23'20	18°48'46
morning max el	-12696 Apr 17 j 22:25	7° Z 22'53	18°16'10		-12695 Apr 08 j 13:42	0° Z	
asc. node	-12696 Apr 26 j 12:25	19° Z 13'22		asc. node	-12695 Apr 13 j 09:21	8° Z 26'07	
	-12696 May 02 j 12:04	0° \approx		morning set	-12695 Apr 17 j 15:19	16° Z 32'58	
morning set	-12696 May 04 j 00:39	2° \approx 51'07			-12695 Apr 24 j 13:36	0° \approx	
superior conj	-12696 May 13 j 23:08	21° \approx 14'41	1°46'29	superior conj	-12695 Apr 26 j 13:16	3° \approx 46'49	1°34'59
minimum elong	-12696 May 13 j 21:28	21° \approx 07'11	1°45'55	minimum elong	-12695 Apr 26 j 10:19	3° \approx 32'55	1°34'05
	-12696 May 18 j 22:01	0° X		max. Earth dist.	-12695 May 03 j 08:31	16° \approx 16'24	1.38968 AU
max. Earth dist.	-12696 May 21 j 07:54	4° X 08'36	1.40835 AU	evening rise	-12695 May 07 j 12:57	23° \approx 35'00	
evening rise	-12696 May 26 j 16:03	13° X 02'46			-12695 May 11 j 08:27	0° X	
	-12696 Jun 06 j 10:39	0° Y			-12695 May 31 j 05:19	0° Y	
desc. node	-12696 Jun 13 j 22:44	11° Y 04'00		desc. node	-12695 May 31 j 20:17	0° Y 50'32	
	-12696 Jun 28 j 15:59	0° Z		evening max el	-12695 Jun 11 j 22:48	14° Y 11'12	24°07'40
evening max el	-12696 Jun 29 j 11:53	0° Z 51'23	22°45'07	retrograde	-12695 Jun 22 j 21:57	20° Y 41'06	
retrograde	-12696 Jul 09 j 07:06	6° Z 40'22		evening set	-12695 Jun 28 j 07:51	18° Y 20'15	
evening set	-12696 Jul 14 j 02:15	4° Z 40'00		min. Earth dist.	-12695 Jul 03 j 01:14	12° Y 46'08	0.67119 AU
	-12696 Jul 18 j 04:10	30° Z Y		inferior conj	-12695 Jul 03 j 13:24	12° Y 04'39	-1°58'01
inferior conj	-12696 Jul 19 j 07:22	28° Y 26'33	-1°16'49	minimum elong	-12695 Jul 03 j 15:25	11° Y 57'45	1°57'14
minimum elong	-12696 Jul 19 j 08:50	28° Y 21'28	1°15'56	morning rise	-12695 Jul 08 j 22:57	5° Y 54'45	
min. Earth dist.	-12696 Jul 19 j 06:25	28° Y 29'50	0.67243 AU	asc. node	-12695 Jul 10 j 10:31	5° Y 00'12	
asc. node	-12696 Jul 23 j 13:46	23° Y 07'00		direct	-12695 Jul 12 j 21:34	4° Y 26'00	
morning rise	-12696 Jul 24 j 15:19	22° Y 09'13		morning max el	-12695 Jul 21 j 04:13	9° Y 20'48	20°50'30
direct	-12696 Jul 29 j 01:22	20° Y 23'01			-12695 Aug 05 j 15:49	0° Z	
morning max el	-12696 Aug 07 j 09:31	26° Y 00'01	22°07'21	morning set	-12695 Aug 19 j 02:32	20° Z 29'26	
	-12696 Aug 10 j 23:14	0° Z			-12695 Aug 25 j 03:16	0° Z	
	-12696 Sep 01 j 05:40	0° Z		desc. node	-12695 Aug 27 j 16:42	4° Z 06'26	
morning set	-12696 Sep 08 j 18:11	11° Z 46'29		max. Earth dist.	-12695 Aug 28 j 13:08	5° Z 29'02	1.43106 AU
desc. node	-12696 Sep 09 j 19:30	13° Z 28'05					
max. Earth dist.	-12696 Sep 15 j 04:52	22° Z 18'07	1.41505 AU	superior conj	-12695 Sep 03 j 18:49	15° Z 44'47	-0°41'33
	-12696 Sep 19 j 17:50	0° Z		minimum elong	-12695 Sep 03 j 15:18	15° Z 30'04	0°40'21
					-12695 Sep 12 j 02:57	0° Z	
superior conj	-12696 Sep 22 j 16:43	5° Z 08'36	-1°11'23	evening rise	-12695 Sep 15 j 23:08	6° Z 44'26	
minimum elong	-12696 Sep 22 j 12:56	4° Z 51'55	1°10'12		-12695 Sep 30 j 02:35	0° Z	
evening rise	-12696 Oct 03 j 04:05	24° Z 09'11		evening max el	-12695 Oct 02 j 21:56	3° Z 16'25	18°07'32
	-12696 Oct 06 j 08:14	0° Z		asc. node	-12695 Oct 06 j 10:48	5° Z 59'52	
evening max el	-12696 Oct 19 j 09:30	20° Z 01'15	18°11'52	retrograde	-12695 Oct 09 j 14:43	6° Z 48'56	
asc. node	-12696 Oct 19 j 13:35	20° Z 11'16		evening set	-12695 Oct 12 j 04:32	6° Z 16'56	
retrograde	-12696 Oct 26 j 12:01	23° Z 37'55		inferior conj	-12695 Oct 18 j 20:41	1° Z 02'59	3°18'46
evening set	-12696 Oct 28 j 23:32	23° Z 12'15		minimum elong	-12695 Oct 18 j 16:49	1° Z 12'44	3°18'32
inferior conj	-12696 Nov 05 j 03:20	18° Z 18'44	3°56'03		-12695 Oct 19 j 21:30	30° Z R Z	
minimum elong	-12696 Nov 05 j 00:02	18° Z 26'05	3°56'06	min. Earth dist.	-12695 Oct 21 j 12:08	28° Z 23'31	0.62405 AU
min. Earth dist.	-12696 Nov 08 j 04:48	15° Z 36'13	0.60642 AU	morning rise	-12695 Oct 25 j 04:03	25° Z 14'03	
morning rise	-12696 Nov 11 j 23:07	12° Z 46'54		direct	-12695 Nov 01 j 05:18	22° Z 41'06	
direct	-12696 Nov 18 j 20:21	10° Z 36'30			-12695 Nov 14 j 19:36	0° Z	
morning max el	-12696 Dec 02 j 18:57	17° Z 59'25	27°10'34	morning max el	-12695 Nov 14 j 23:45	0° Z 09'58	27°33'24
desc. node	-12696 Dec 06 j 20:26	22° Z 16'14		desc. node	-12695 Nov 23 j 17:01	10° Z 09'15	
	-12696 Dec 12 j 23:12	0° Z			-12695 Dec 06 j 21:00	0° Z	
	-12696 Dec 30 j 19:29	0° Z		morning set	-12695 Dec 18 j 06:13	21° Z 15'13	
morning set	-12695 Jan 03 j 02:20	6° Z 38'53			-12695 Dec 22 j 11:11	0° Z	
max. Earth dist.	-12695 Jan 09 j 14:26	20° Z 32'52	1.32821 AU	max. Earth dist.	-12695 Dec 24 j 00:40	3° Z 20'08	1.33159 AU
superior conj	-12695 Jan 10 j 04:41	21° Z 50'36	-0°47'13	superior conj	-12695 Dec 25 j 15:23	6° Z 48'56	-1°05'27
minimum elong	-12695 Jan 10 j 06:20	21° Z 59'41	0°47'13	minimum elong	-12695 Dec 25 j 17:22	6° Z 59'38	1°05'15
	-12695 Jan 13 j 22:34	0° Z		evening rise	-12694 Jan 01 j 16:33	21° Z 58'55	
asc. node	-12695 Jan 15 j 10:52	3° Z 15'04		asc. node	-12694 Jan 02 j 08:16	23° Z 21'06	
evening rise	-12695 Jan 17 j 05:31	7° Z 00'39			-12694 Jan 05 j 14:46	0° Z	
	-12695 Jan 29 j 10:39	0° Z			-12694 Jan 25 j 09:13	0° Z	
evening max el	-12695 Feb 13 j 19:41	20° Z 11'36	25°38'41	evening max el	-12694 Jan 26 j 13:23	1° Z 08'54	24°11'55

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12694 Feb 09 j 06:01	7°♂55'45		asc. node	-12694 Dec 20 j 05:40	13°♂13'07	
evening set	-12694 Feb 13 j 13:09	7°♂14'34			-12694 Dec 29 j 15:13	0°♂	
desc. node	-12694 Feb 19 j 19:08	4°♂12'44		evening max el	-12693 Jan 08 j 07:15	12°♂01'00	22°37'45
min. Earth dist.	-12694 Feb 20 j 02:46	4°♂01'03	0.56461 AU	retrograde	-12693 Jan 21 j 03:11	18°♂10'35	
inferior conj	-12694 Feb 22 j 09:23	2°♂35'23	-0°38'50	evening set	-12693 Jan 24 j 12:17	17°♂45'32	
minimum elong	-12694 Feb 22 j 07:52	2°♂37'46	0°39'04	min. Earth dist.	-12693 Feb 01 j 18:00	14°♂02'03	0.55589 AU
	-12694 Feb 26 j 20:35	30°♂		inferior conj	-12693 Feb 02 j 13:58	13°♂33'11	1°02'05
morning rise	-12694 Mar 03 j 05:25	28°♂27'19		minimum elong	-12693 Feb 02 j 16:33	13°♂29'26	1°00'43
direct	-12694 Mar 05 j 08:56	28°♂14'54		desc. node	-12693 Feb 06 j 15:54	11°♂19'14	
	-12694 Mar 11 j 09:51	0°♂		morning rise	-12693 Feb 11 j 22:01	9°♂29'28	
morning max el	-12694 Mar 15 j 04:08	2°♂53'23	19°41'10	direct	-12693 Feb 14 j 05:21	9°♂16'56	
asc. node	-12694 Mar 31 j 06:19	28°♂03'16		morning max el	-12693 Feb 25 j 16:31	14°♂45'23	20°52'44
	-12694 Apr 01 j 05:49	0°♂			-12693 Mar 08 j 20:47	0°♂	
morning set	-12694 Apr 01 j 15:16	0°♂47'11		morning set	-12693 Mar 16 j 21:32	15°♂25'01	
				asc. node	-12693 Mar 18 j 03:21	17°♂58'18	
superior conj	-12694 Apr 09 j 19:17	17°♂10'00	1°17'14		-12693 Mar 23 j 22:50	0°♂	
minimum elong	-12694 Apr 09 j 16:18	16°♂55'16	1°16'05	superior conj	-12693 Mar 24 j 12:44	1°♂11'12	0°55'51
max. Earth dist.	-12694 Apr 15 j 10:16	27°♂59'57	1.37159 AU	minimum elong	-12693 Mar 24 j 10:24	0°♂59'13	0°54'40
	-12694 Apr 16 j 12:01	0°♂		max. Earth dist.	-12693 Mar 28 j 18:58	9°♂45'09	1.35604 AU
evening rise	-12694 Apr 19 j 11:24	5°♂25'44		evening rise	-12693 Apr 02 j 05:56	18°♂19'47	
	-12694 May 04 j 06:45	0°♂			-12693 Apr 08 j 17:10	0°♂	
desc. node	-12694 May 18 j 17:46	20°♂06'40			-12693 Apr 28 j 09:35	0°♂	
evening max el	-12694 May 25 j 08:18	27°♂32'08	25°25'35	desc. node	-12693 May 05 j 15:13	8°♂39'39	
	-12694 May 27 j 23:46	0°♂		evening max el	-12693 May 07 j 18:22	10°♂51'53	26°30'11
retrograde	-12694 Jun 06 j 08:50	4°♂35'37		retrograde	-12693 May 20 j 15:07	18°♂17'05	
evening set	-12694 Jun 12 j 08:59	1°♂58'16		evening set	-12693 May 27 j 03:20	15°♂30'59	
	-12694 Jun 14 j 07:31	30°♂		min. Earth dist.	-12693 May 31 j 03:16	11°♂14'43	0.65793 AU
min. Earth dist.	-12694 Jun 16 j 16:53	27°♂02'53	0.66645 AU	inferior conj	-12693 Jun 01 j 17:22	9°♂17'05	-3°00'18
inferior conj	-12694 Jun 17 j 17:24	25°♂42'28	-2°33'02	minimum elong	-12693 Jun 01 j 19:19	9°♂11'01	3°00'16
minimum elong	-12694 Jun 17 j 19:37	25°♂35'12	2°32'33	morning rise	-12693 Jun 07 j 11:32	3°♂30'49	
morning rise	-12694 Jun 23 j 06:17	19°♂43'05		direct	-12693 Jun 10 j 16:41	2°♂31'55	
direct	-12694 Jun 26 j 19:17	18°♂30'14		asc. node	-12693 Jun 14 j 03:54	3°♂36'11	
asc. node	-12694 Jun 27 j 07:14	18°♂31'37		morning max el	-12693 Jun 17 j 12:35	6°♂21'59	18°54'18
morning max el	-12694 Jul 04 j 05:27	22°♂48'33	19°45'05		-12693 Jul 03 j 22:01	0°♂	
	-12694 Jul 10 j 02:14	0°♂		morning set	-12693 Jul 09 j 01:49	8°♂16'48	
morning set	-12694 Jul 29 j 06:53	29°♂03'08			-12693 Jul 22 j 17:06	0°♂	
	-12694 Jul 29 j 21:27	0°♂		superior conj	-12693 Jul 24 j 20:10	3°♂22'02	0°43'50
max. Earth dist.	-12694 Aug 11 j 02:46	19°♂14'54	1.44171 AU	minimum elong	-12693 Jul 25 j 01:10	3°♂41'51	0°43'43
superior conj	-12694 Aug 14 j 17:22	25°♂01'12	-0°00'50	max. Earth dist.	-12693 Jul 24 j 18:46	3°♂16'31	1.44573 AU
minimum elong	-12694 Aug 14 j 17:21	25°♂01'05	0°00'11	desc. node	-12693 Aug 01 j 11:24	15°♂28'12	
behind sun begin	-12694 Aug 14 j 06:29	24°♂17'27		evening rise	-12693 Aug 09 j 19:59	28°♂49'37	
behind sun end	-12694 Aug 15 j 04:13	25°♂44'48			-12693 Aug 10 j 13:30	0°♂	
desc. node	-12694 Aug 14 j 14:01	24°♂47'41			-12693 Aug 30 j 19:18	0°♂	
	-12694 Aug 17 j 19:23	0°♂		evening max el	-12693 Aug 30 j 23:59	0°♂12'05	18°53'26
evening rise	-12694 Aug 28 j 22:20	18°♂23'01		retrograde	-12693 Sep 06 j 19:58	4°♂02'50	
	-12694 Sep 04 j 20:50	0°♂		evening set	-12693 Sep 09 j 21:15	3°♂09'50	
evening max el	-12694 Sep 16 j 11:43	16°♂41'53	18°21'42	asc. node	-12693 Sep 10 j 04:56	2°♂58'15	
retrograde	-12694 Sep 23 j 02:34	20°♂19'17			-12693 Sep 13 j 13:12	30°♂	
asc. node	-12694 Sep 23 j 07:55	20°♂19'00		inferior conj	-12693 Sep 15 j 18:15	27°♂24'13	1°40'52
evening set	-12694 Sep 25 j 20:56	19°♂38'21		minimum elong	-12693 Sep 15 j 15:56	27°♂31'17	1°40'51
inferior conj	-12694 Oct 02 j 02:42	14°♂06'59	2°32'00	min. Earth dist.	-12693 Sep 17 j 08:46	25°♂26'46	0.65200 AU
minimum elong	-12694 Oct 01 j 23:21	14°♂16'23	2°31'46	morning rise	-12693 Sep 21 j 10:04	21°♂11'01	
min. Earth dist.	-12694 Oct 04 j 05:44	11°♂44'08	0.63945 AU	direct	-12693 Sep 27 j 20:32	18°♂30'23	
morning rise	-12694 Oct 08 j 01:00	8°♂03'58		morning max el	-12693 Oct 10 j 19:06	25°♂57'30	26°40'50
direct	-12694 Oct 14 j 21:34	5°♂21'25			-12693 Oct 14 j 14:12	0°♂	
morning max el	-12694 Oct 28 j 08:44	12°♂53'28	27°22'03	desc. node	-12693 Oct 28 j 10:22	18°♂23'53	
desc. node	-12694 Nov 10 j 13:39	28°♂57'05			-12693 Nov 04 j 19:11	0°♂	
	-12694 Nov 11 j 07:17	0°♂		morning set	-12693 Nov 15 j 11:50	18°♂58'18	
	-12694 Nov 29 j 07:16	0°♂		max. Earth dist.	-12693 Nov 19 j 21:32	27°♂32'45	1.35014 AU
morning set	-12694 Dec 02 j 02:31	5°♂25'15			-12693 Nov 21 j 02:52	0°♂	
max. Earth dist.	-12694 Dec 07 j 04:05	15°♂42'13	1.33877 AU	superior conj	-12693 Nov 24 j 01:41	6°♂02'14	-1°31'13
superior conj	-12694 Dec 09 j 23:06	21°♂35'09	-1°20'27	minimum elong	-12693 Nov 24 j 03:03	6°♂09'14	1°30'49
minimum elong	-12694 Dec 10 j 01:00	21°♂45'15	1°20'08	evening rise	-12693 Dec 01 j 13:01	21°♂38'21	
	-12694 Dec 13 j 21:36	0°♂			-12693 Dec 05 j 16:36	0°♂	
evening rise	-12694 Dec 17 j 03:36	6°♂53'19					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12693 Dec 07 j 03:04	2°♌45'04		asc. node	-12692 Nov 23 j 00:29	21°♏48'56	
evening max el	-12693 Dec 21 j 06:56	23°♌11'29	21°08'57		-12692 Nov 28 j 08:53	0°♌	
retrograde	-12692 Jan 01 j 17:51	28°♌34'31		evening max el	-12692 Dec 02 j 16:00	4°♌52'48	19°54'17
evening set	-12692 Jan 04 j 13:50	28°♌15'57		retrograde	-12692 Dec 12 j 13:05	9°♌31'33	
inferior conj	-12692 Jan 13 j 11:36	24°♌16'38	2°39'31	evening set	-12692 Dec 15 j 03:29	9°♌13'44	
minimum elong	-12692 Jan 13 j 17:15	24°♌08'29	2°37'43	inferior conj	-12692 Dec 23 j 15:13	5°♌09'58	3°47'34
min. Earth dist.	-12692 Jan 14 j 08:05	23°♌47'05	0.55560 AU	minimum elong	-12692 Dec 23 j 19:51	5°♌02'44	3°46'48
morning rise	-12692 Jan 22 j 19:42	20°♌01'55		min. Earth dist.	-12692 Dec 25 j 21:13	3°♌45'51	0.56367 AU
desc. node	-12692 Jan 24 j 12:34	19°♌45'30		morning rise	-12691 Jan 01 j 10:14	0°♌34'01	
direct	-12692 Jan 25 j 20:33	19°♌41'30			-12691 Jan 03 j 22:45	30°♏♏	
morning max el	-12692 Feb 07 j 17:38	25°♌58'29	22°20'29	direct	-12691 Jan 05 j 17:25	29°♏52'49	
	-12692 Feb 11 j 11:20	0°♏			-12691 Jan 07 j 11:52	0°♌	
morning set	-12692 Feb 29 j 07:50	0°♏19'28		desc. node	-12691 Jan 10 j 09:11	0°♌42'26	
	-12692 Feb 29 j 04:05	0°♏		morning max el	-12691 Jan 19 j 10:15	6°♌43'33	23°57'00
asc. node	-12692 Mar 04 j 00:30	8°♏06'19			-12691 Feb 05 j 00:43	0°♏	
				morning set	-12691 Feb 12 j 20:06	15°♏22'33	
superior conj	-12692 Mar 07 j 14:18	15°♏40'33	0°32'44	asc. node	-12691 Feb 18 j 21:45	28°♏21'49	
minimum elong	-12692 Mar 07 j 12:55	15°♏33'15	0°31'42				
max. Earth dist.	-12692 Mar 10 j 13:57	21°♏53'50	1.34393 AU	superior conj	-12691 Feb 19 j 21:16	0°♏28'25	0°09'11
	-12692 Mar 14 j 14:21	0°♏		minimum elong	-12691 Feb 19 j 20:55	0°♏26'29	0°08'25
evening rise	-12692 Mar 15 j 15:13	2°♏01'45		behind sun begin	-12691 Feb 19 j 16:31	0°♏02'50	
	-12692 Mar 31 j 15:23	0°♏		behind sun end	-12691 Feb 20 j 01:19	0°♏50'07	
evening max el	-12692 Apr 19 j 05:15	24°♏04'08	27°13'03		-12691 Feb 19 j 15:59	0°♏	
desc. node	-12692 Apr 21 j 12:33	26°♏12'05		max. Earth dist.	-12691 Feb 21 j 18:21	4°♏29'32	1.33528 AU
	-12692 Apr 26 j 20:43	0°♏		evening rise	-12691 Feb 27 j 10:54	16°♏16'52	
retrograde	-12692 May 02 j 16:05	1°♏38'36			-12691 Mar 06 j 15:36	0°♏	
	-12692 May 07 j 23:50	30°♏			-12691 Mar 26 j 08:07	0°♏	
evening set	-12692 May 09 j 12:14	28°♏54'49		evening max el	-12691 Apr 01 j 15:11	6°♏56'58	27°27'33
min. Earth dist.	-12692 May 13 j 06:27	25°♏14'42	0.64552 AU	desc. node	-12691 Apr 08 j 09:48	12°♏19'21	
inferior conj	-12692 May 15 j 11:01	22°♏45'29	-3°17'41	retrograde	-12691 Apr 15 j 10:51	14°♏31'44	
minimum elong	-12692 May 15 j 12:11	22°♏42'08	3°18'05	evening set	-12691 Apr 22 j 08:33	12°♏02'59	
morning rise	-12692 May 21 j 12:41	17°♏14'42		min. Earth dist.	-12691 Apr 26 j 00:56	8°♏51'45	0.62941 AU
direct	-12692 May 24 j 11:36	16°♏27'46		inferior conj	-12691 Apr 28 j 19:31	6°♏02'01	-3°22'05
morning max el	-12692 May 31 j 00:05	19°♏58'51	18°20'09	minimum elong	-12691 Apr 28 j 19:21	6°♏02'27	3°22'45
asc. node	-12692 May 31 j 00:37	20°♏00'13		morning rise	-12691 May 05 j 07:18	0°♏48'57	
	-12692 Jun 07 j 13:12	0°♏		direct	-12691 May 08 j 01:09	0°♏12'22	
morning set	-12692 Jun 18 j 21:08	18°♏37'35		morning max el	-12691 May 14 j 13:47	3°♏34'52	18°03'56
	-12692 Jun 25 j 17:39	0°♏		asc. node	-12691 May 17 j 21:24	7°♏27'50	
				morning set	-12691 May 31 j 16:57	0°♏07'43	
superior conj	-12692 Jul 02 j 23:29	11°♏45'42	1°21'05		-12691 May 31 j 15:11	0°♏	
minimum elong	-12692 Jul 03 j 05:56	12°♏11'36	1°20'41				
max. Earth dist.	-12692 Jul 06 j 10:32	17°♏17'35	1.44276 AU	superior conj	-12691 Jun 12 j 22:52	21°♏08'18	1°42'55
	-12692 Jul 14 j 11:41	0°♏		minimum elong	-12691 Jun 13 j 02:21	21°♏22'48	1°42'38
desc. node	-12692 Jul 18 j 08:53	6°♏04'51			-12691 Jun 18 j 08:11	0°♏	
evening rise	-12692 Jul 19 j 14:20	7°♏59'50		max. Earth dist.	-12691 Jun 18 j 23:41	1°♏02'47	1.43323 AU
greatest brilliancy	-12692 Jul 31 j 02:00	25°♏45'22	-0.7m	evening rise	-12691 Jun 28 j 15:26	16°♏21'54	
	-12692 Aug 02 j 21:51	0°♏		desc. node	-12691 Jul 05 j 06:26	26°♏34'10	
evening max el	-12692 Aug 13 j 08:08	13°♏42'36	19°41'32		-12691 Jul 07 j 12:42	0°♏	
retrograde	-12692 Aug 20 j 16:03	17°♏55'35		evening max el	-12691 Jul 27 j 10:06	27°♏10'05	20°44'14
evening set	-12692 Aug 24 j 02:37	16°♏46'58			-12691 Jul 30 j 15:09	0°♏	
asc. node	-12692 Aug 27 j 01:53	14°♏04'08		retrograde	-12691 Aug 04 j 12:43	1°♏54'43	
inferior conj	-12692 Aug 29 j 16:36	10°♏50'09	0°48'37	evening set	-12691 Aug 08 j 10:39	0°♏27'19	
minimum elong	-12692 Aug 29 j 15:30	10°♏53'46	0°48'57		-12691 Aug 09 j 00:18	30°♏	
min. Earth dist.	-12692 Aug 30 j 19:22	9°♏23'16	0.66154 AU	inferior conj	-12691 Aug 13 j 19:34	24°♏21'56	-0°02'29
morning rise	-12692 Sep 04 j 04:03	4°♏30'51		minimum elong	-12691 Aug 13 j 19:36	24°♏21'48	0°01'50
direct	-12692 Sep 10 j 01:21	2°♏00'47		transit middle	-12691 Aug 13 j 19:36	24°♏21'48	0°01'50
morning max el	-12692 Sep 22 j 05:06	9°♏10'38	25°36'51	transit begin	-12691 Aug 13 j 16:53	24°♏31'00	
	-12692 Oct 08 j 18:10	0°♏		transit end	-12691 Aug 13 j 22:19	24°♏12'36	
desc. node	-12692 Oct 14 j 07:08	8°♏18'11		asc. node	-12691 Aug 13 j 22:46	24°♏11'04	
	-12692 Oct 27 j 07:21	0°♏		min. Earth dist.	-12691 Aug 14 j 11:17	23°♏28'42	0.66807 AU
morning set	-12692 Oct 28 j 05:44	1°♏40'52		morning rise	-12691 Aug 19 j 04:23	18°♏00'33	
max. Earth dist.	-12692 Nov 01 j 04:26	8°♏59'24	1.36573 AU	direct	-12691 Aug 24 j 11:29	15°♏46'17	
				morning max el	-12691 Sep 04 j 14:58	22°♏26'31	24°18'41
superior conj	-12692 Nov 06 j 20:25	20°♏01'05	-1°36'26		-12691 Sep 11 j 05:50	0°♏	
minimum elong	-12692 Nov 06 j 20:41	20°♏02'27	1°35'54	desc. node	-12691 Oct 01 j 04:03	28°♏32'03	
	-12692 Nov 11 j 18:45	0°♏			-12691 Oct 02 j 02:11	0°♏	
evening rise	-12692 Nov 14 j 18:59	6°♏07'53		morning set	-12691 Oct 10 j 03:04	13°♏19'25	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12691 Oct 14 j 04:45	20° \mathbb{D} 28'25	1.38450 AU	morning set	-12690 Sep 20 j 23:06	23° \mathbb{H} 42'24	
	-12691 Oct 19 j 09:12	0° \mathbb{Q}			-12690 Sep 24 j 17:56	0° \mathbb{D}	
				max. Earth dist.	-12690 Sep 26 j 04:36	2° \mathbb{D} 27'04	1.40424 AU
superior conj	-12691 Oct 21 j 03:41	3° \mathbb{Q} 21'19	-1°34'23				
minimum elong	-12691 Oct 21 j 02:22	3° \mathbb{Q} 15'04	1°33'40	superior conj	-12690 Oct 03 j 18:39	15° \mathbb{D} 48'35	-1°23'00
evening rise	-12691 Oct 29 j 19:22	20° \mathbb{Q} 16'15		minimum elong	-12690 Oct 03 j 15:36	15° \mathbb{D} 34'43	1°21'59
	-12691 Nov 03 j 20:40	0° \mathbb{P}			-12690 Oct 11 j 09:40	0° \mathbb{Q}	
asc. node	-12691 Nov 09 j 21:51	10° \mathbb{P} 15'16		evening rise	-12690 Oct 13 j 11:18	3° \mathbb{Q} 55'18	
evening max el	-12691 Nov 15 j 11:18	17° \mathbb{P} 07'52	18°58'28	asc. node	-12690 Oct 27 j 19:09	27° \mathbb{Q} 51'50	
retrograde	-12691 Nov 23 j 23:29	21° \mathbb{P} 13'11		evening max el	-12690 Oct 29 j 15:21	29° \mathbb{Q} 51'41	18°23'04
evening set	-12691 Nov 26 j 11:19	20° \mathbb{P} 53'35			-12690 Oct 29 j 18:47	0° \mathbb{P}	
inferior conj	-12691 Dec 04 j 10:45	16° \mathbb{P} 33'12	4°15'58	retrograde	-12690 Nov 06 j 03:40	3° \mathbb{P} 35'53	
minimum elong	-12691 Dec 04 j 11:42	16° \mathbb{P} 31'31	4°16'07	evening set	-12690 Nov 08 j 14:37	3° \mathbb{P} 13'02	
min. Earth dist.	-12691 Dec 07 j 11:15	14° \mathbb{P} 24'44	0.57805 AU		-12690 Nov 14 j 05:31	30° \mathbb{R} \mathbb{Q}	
morning rise	-12691 Dec 12 j 10:09	11° \mathbb{P} 33'39		inferior conj	-12690 Nov 16 j 01:29	28° \mathbb{Q} 31'44	4°10'23
direct	-12691 Dec 18 j 00:54	10° \mathbb{P} 19'07		minimum elong	-12690 Nov 15 j 23:14	28° \mathbb{Q} 36'21	4°10'37
desc. node	-12691 Dec 28 j 05:47	14° \mathbb{P} 14'33		min. Earth dist.	-12690 Nov 19 j 05:43	25° \mathbb{Q} 55'44	0.59576 AU
morning max el	-12690 Jan 01 j 01:01	17° \mathbb{P} 27'51	25°29'12	morning rise	-12690 Nov 23 j 06:10	23° \mathbb{Q} 10'31	
	-12690 Jan 11 j 09:24	0° \mathbb{L}		direct	-12690 Nov 29 j 19:35	21° \mathbb{Q} 18'49	
morning set	-12690 Jan 28 j 08:30	0° \mathbb{M} 27'31		morning max el	-12690 Dec 13 j 20:06	28° \mathbb{Q} 38'01	26°42'05
	-12690 Jan 28 j 03:15	0° \mathbb{M}		desc. node	-12690 Dec 15 j 02:22	29° \mathbb{Q} 52'45	
					-12690 Dec 15 j 05:12	0° \mathbb{P}	
superior conj	-12690 Feb 04 j 07:33	15° \mathbb{M} 27'35	-0°13'52		-12689 Jan 04 j 22:23	0° \mathbb{L}	
minimum elong	-12690 Feb 04 j 08:08	15° \mathbb{M} 30'45	0°14'19	morning set	-12689 Jan 12 j 19:13	15° \mathbb{L} 27'29	
behind sun begin	-12690 Feb 04 j 06:02	15° \mathbb{M} 19'16					
behind sun end	-12690 Feb 04 j 10:15	15° \mathbb{M} 42'14		superior conj	-12689 Jan 19 j 19:21	0° \mathbb{M} 31'38	-0°35'34
max. Earth dist.	-12690 Feb 05 j 05:04	17° \mathbb{M} 24'28	1.32995 AU	minimum elong	-12689 Jan 19 j 20:41	0° \mathbb{M} 38'58	0°35'44
asc. node	-12690 Feb 05 j 19:03	18° \mathbb{M} 40'21			-12689 Jan 19 j 13:33	0° \mathbb{M}	
	-12690 Feb 11 j 03:12	0° \mathbb{X}		max. Earth dist.	-12689 Jan 19 j 18:23	0° \mathbb{M} 26'23	1.32783 AU
evening rise	-12690 Feb 11 j 13:45	0° \mathbb{X} 54'17		asc. node	-12689 Jan 23 j 16:24	8° \mathbb{M} 57'41	
	-12690 Feb 27 j 17:22	0° \mathbb{Z}		evening rise	-12689 Jan 26 j 21:18	15° \mathbb{M} 45'26	
evening max el	-12690 Mar 14 j 21:31	19° \mathbb{Z} 18'21	27°09'41		-12689 Feb 03 j 02:55	0° \mathbb{X}	
desc. node	-12690 Mar 26 j 06:57	26° \mathbb{Z} 30'01			-12689 Feb 23 j 21:04	0° \mathbb{Z}	
retrograde	-12690 Mar 28 j 22:21	26° \mathbb{Z} 48'34		evening max el	-12689 Feb 24 j 22:29	1° \mathbb{Z} 02'32	26°19'49
evening set	-12690 Apr 04 j 13:02	24° \mathbb{Z} 46'34		retrograde	-12689 Mar 11 j 01:26	8° \mathbb{Z} 23'37	
min. Earth dist.	-12690 Apr 08 j 10:17	21° \mathbb{Z} 52'25	0.61050 AU	desc. node	-12689 Mar 13 j 03:59	8° \mathbb{Z} 12'21	
inferior conj	-12690 Apr 11 j 15:32	18° \mathbb{Z} 59'18	-3°09'04	evening set	-12689 Mar 16 j 23:15	6° \mathbb{Z} 55'32	
minimum elong	-12690 Apr 11 j 13:40	19° \mathbb{Z} 03'31	3°09'39	min. Earth dist.	-12689 Mar 21 j 11:50	4° \mathbb{Z} 03'53	0.59064 AU
morning rise	-12690 Apr 18 j 16:20	14° \mathbb{Z} 05'43		inferior conj	-12689 Mar 24 j 19:25	1° \mathbb{Z} 29'05	-2°32'59
direct	-12690 Apr 21 j 05:36	13° \mathbb{Z} 38'13		minimum elong	-12689 Mar 24 j 16:11	1° \mathbb{Z} 35'25	2°33'09
morning max el	-12690 Apr 28 j 03:09	17° \mathbb{Z} 03'54	18°06'16		-12689 Mar 26 j 18:11	30° \mathbb{R} \mathbb{X}	
asc. node	-12690 May 04 j 18:15	25° \mathbb{Z} 44'54		morning rise	-12689 Apr 01 j 12:08	26° \mathbb{X} 55'31	
	-12690 May 07 j 08:03	0° \mathbb{A}		direct	-12689 Apr 03 j 20:45	26° \mathbb{X} 35'43	
morning set	-12690 May 14 j 09:04	12° \mathbb{A} 37'32			-12689 Apr 11 j 05:32	0° \mathbb{Z}	
	-12690 May 23 j 23:56	0° \mathbb{H}		morning max el	-12689 Apr 11 j 13:23	0° \mathbb{Z} 18'19	18°27'40
				asc. node	-12689 Apr 21 j 15:08	14° \mathbb{Z} 40'14	
superior conj	-12690 May 25 j 01:13	1° \mathbb{H} 50'54	1°48'53	morning set	-12689 Apr 27 j 16:46	25° \mathbb{Z} 56'26	
minimum elong	-12690 May 25 j 01:01	1° \mathbb{H} 50'05	1°48'30		-12689 Apr 29 j 19:49	0° \mathbb{A}	
max. Earth dist.	-12690 Jun 01 j 07:32	14° \mathbb{H} 14'37	1.41842 AU				
evening rise	-12690 Jun 07 j 21:11	24° \mathbb{H} 57'09		superior conj	-12689 May 07 j 03:55	13° \mathbb{A} 47'56	1°42'35
	-12690 Jun 11 j 01:44	0° \mathbb{Y}		minimum elong	-12689 May 07 j 01:31	13° \mathbb{A} 36'56	1°41'53
desc. node	-12690 Jun 22 j 04:00	16° \mathbb{Y} 51'24		max. Earth dist.	-12689 May 14 j 09:37	26° \mathbb{A} 43'33	1.40043 AU
	-12690 Jul 01 j 11:17	0° \mathbb{B}			-12689 May 16 j 07:20	0° \mathbb{H}	
evening max el	-12690 Jul 10 j 04:54	10° \mathbb{B} 32'03	21°58'42	evening rise	-12689 May 19 j 02:06	4° \mathbb{H} 41'20	
retrograde	-12690 Jul 19 j 08:10	15° \mathbb{B} 56'35			-12689 Jun 04 j 06:37	0° \mathbb{Y}	
evening set	-12690 Jul 23 j 19:14	14° \mathbb{B} 08'15		desc. node	-12689 Jun 09 j 01:34	6° \mathbb{Y} 51'23	
inferior conj	-12690 Jul 29 j 01:06	7° \mathbb{B} 56'54	-0°50'50	evening max el	-12689 Jun 22 j 17:47	23° \mathbb{Y} 51'16	23°20'11
minimum elong	-12690 Jul 29 j 02:07	7° \mathbb{B} 53'23	0°49'58	retrograde	-12689 Jul 03 j 01:08	29° \mathbb{Y} 58'49	
min. Earth dist.	-12690 Jul 29 j 06:12	7° \mathbb{B} 39'17	0.67167 AU	evening set	-12689 Jul 08 j 02:29	27° \mathbb{Y} 49'20	
asc. node	-12690 Jul 31 j 19:36	4° \mathbb{B} 16'13		inferior conj	-12689 Jul 13 j 07:29	21° \mathbb{Y} 34'25	-1°35'00
morning rise	-12690 Aug 03 j 08:56	1° \mathbb{B} 37'06		minimum elong	-12689 Jul 13 j 09:13	21° \mathbb{Y} 28'24	1°34'08
	-12690 Aug 06 j 03:20	30° \mathbb{R} \mathbb{Y}		min. Earth dist.	-12689 Jul 13 j 01:48	21° \mathbb{Y} 54'01	0.67228 AU
direct	-12690 Aug 08 j 02:12	29° \mathbb{Y} 40'47		morning rise	-12689 Jul 18 j 15:55	15° \mathbb{Y} 19'47	
	-12690 Aug 10 j 03:21	0° \mathbb{B}		asc. node	-12689 Jul 18 j 16:23	15° \mathbb{Y} 18'51	
morning max el	-12690 Aug 18 j 02:23	5° \mathbb{B} 42'18	22°54'55	direct	-12689 Jul 22 j 20:47	13° \mathbb{Y} 41'22	
	-12690 Sep 05 j 16:33	0° \mathbb{H}		morning max el	-12689 Jul 31 j 17:50	19° \mathbb{Y} 00'29	21°33'31
desc. node	-12690 Sep 18 j 01:04	18° \mathbb{H} 58'38			-12689 Aug 09 j 16:09	0° \mathbb{B}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12689 Aug 29 j 21:38	0°♊		morning set	-12688 Aug 09 j 21:57	11°♊25'19	
morning set	-12689 Aug 31 j 17:54	2°♊53'49		max. Earth dist.	-12688 Aug 20 j 18:55	28°♊35'04	1.43631 AU
desc. node	-12689 Sep 04 j 22:10	9°♊33'38		desc. node	-12688 Aug 21 j 19:24	0°♊13'30	
max. Earth dist.	-12689 Sep 08 j 08:45	15°♊09'48	1.42234 AU		-12688 Aug 21 j 16:03	0°♊	
superior conj	-12689 Sep 15 j 11:42	27°♊08'42	-1°00'13	superior conj	-12688 Aug 26 j 01:59	7°♊10'22	-0°25'21
minimum elong	-12689 Sep 15 j 07:42	26°♊51'29	0°58'59	minimum elong	-12688 Aug 25 j 23:32	7°♊00'20	0°24'18
	-12689 Sep 17 j 03:19	0°♊		evening rise	-12688 Sep 08 j 02:32	29°♊09'04	
evening rise	-12689 Sep 26 j 15:16	16°♊56'38			-12688 Sep 08 j 14:20	0°♊	
	-12689 Oct 03 j 23:00	0°♊		evening max el	-12688 Sep 25 j 15:00	26°♊18'06	18°11'28
evening max el	-12689 Oct 13 j 01:35	12°♊57'29	18°07'44	asc. node	-12688 Sep 30 j 13:32	29°♊36'47	
asc. node	-12689 Oct 14 j 16:24	14°♊24'21		retrograde	-12688 Oct 02 j 06:02	29°♊51'22	
retrograde	-12689 Oct 19 j 23:08	16°♊31'25		evening set	-12688 Oct 04 j 21:32	29°♊15'56	
evening set	-12689 Oct 22 j 11:15	16°♊03'29		inferior conj	-12688 Oct 11 j 09:07	23°♊54'32	2°59'43
inferior conj	-12689 Oct 29 j 09:59	11°♊01'14	3°41'49	minimum elong	-12688 Oct 11 j 05:22	24°♊04'26	2°59'27
minimum elong	-12689 Oct 29 j 06:16	11°♊09'58	3°41'43	min. Earth dist.	-12688 Oct 13 j 19:32	21°♊20'34	0.63090 AU
min. Earth dist.	-12689 Nov 01 j 07:51	8°♊17'36	0.61406 AU	morning rise	-12688 Oct 17 j 12:15	17°♊59'22	
morning rise	-12689 Nov 04 j 23:58	5°♊21'31		direct	-12688 Oct 24 j 12:36	15°♊20'25	
direct	-12689 Nov 12 j 00:08	2°♊59'39		morning max el	-12688 Nov 07 j 04:13	22°♊51'27	27°32'36
morning max el	-12689 Nov 25 j 21:33	10°♊26'18	27°24'34		-12688 Nov 13 j 15:31	0°♊	
desc. node	-12689 Dec 01 j 22:55	17°♊04'25		desc. node	-12688 Nov 17 j 19:30	5°♊23'06	
	-12689 Dec 11 j 07:15	0°♊			-12688 Dec 03 j 09:51	0°♊	
	-12689 Dec 27 j 23:20	0°♊		morning set	-12688 Dec 11 j 03:14	14°♊41'14	
morning set	-12689 Dec 28 j 02:13	0°♊14'46		max. Earth dist.	-12688 Dec 16 j 14:14	25°♊59'06	1.33408 AU
max. Earth dist.	-12688 Jan 03 j 06:39	13°♊21'58	1.32912 AU		-12688 Dec 18 j 11:20	0°♊	
superior conj	-12688 Jan 04 j 06:56	15°♊34'00	-0°55'17	superior conj	-12688 Dec 18 j 16:38	0°♊28'29	-1°12'15
minimum elong	-12688 Jan 04 j 08:46	15°♊44'01	0°55'12	minimum elong	-12688 Dec 18 j 18:38	0°♊39'13	1°12'00
asc. node	-12688 Jan 10 j 13:46	29°♊09'10		evening rise	-12688 Dec 25 j 18:48	15°♊40'33	
	-12688 Jan 10 j 23:23	0°♊		asc. node	-12688 Dec 27 j 11:09	19°♊10'06	
evening rise	-12688 Jan 11 j 07:33	0°♊42'55			-12687 Jan 02 j 00:29	0°♊	
	-12688 Jan 27 j 14:59	0°♊		evening max el	-12687 Jan 18 j 11:35	23°♊06'39	23°32'09
evening max el	-12688 Feb 06 j 18:13	12°♊13'20	25°03'38	retrograde	-12687 Jan 31 j 21:06	29°♊38'39	
retrograde	-12688 Feb 20 j 17:44	19°♊16'20		evening set	-12687 Feb 04 j 17:54	29°♊05'54	
evening set	-12688 Feb 25 j 15:15	18°♊20'50		min. Earth dist.	-12687 Feb 12 j 00:36	25°♊41'24	0.55997 AU
desc. node	-12688 Feb 28 j 00:55	17°♊16'12		inferior conj	-12687 Feb 13 j 17:43	24°♊39'35	0°02'32
min. Earth dist.	-12688 Mar 02 j 07:57	15°♊18'19	0.57273 AU	minimum elong	-12687 Feb 13 j 17:47	24°♊39'28	0°01'51
inferior conj	-12688 Mar 05 j 04:10	13°♊23'06	-1°28'43	transit middle	-12687 Feb 13 j 17:47	24°♊39'28	0°01'51
minimum elong	-12688 Mar 05 j 01:14	13°♊28'05	1°28'40	transit begin	-12687 Feb 13 j 13:48	24°♊45'29	
morning rise	-12688 Mar 13 j 14:29	9°♊07'09		transit end	-12687 Feb 13 j 21:47	24°♊33'28	
direct	-12688 Mar 15 j 18:52	8°♊52'59		desc. node	-12687 Feb 13 j 21:43	24°♊33'33	
morning max el	-12688 Mar 24 j 17:17	13°♊07'29	19°08'36	morning rise	-12687 Feb 22 j 19:50	20°♊34'35	
	-12688 Apr 05 j 08:06	0°♊		direct	-12687 Feb 24 j 23:47	20°♊22'43	
asc. node	-12688 Apr 07 j 12:04	4°♊04'06		morning max el	-12687 Mar 07 j 11:54	25°♊22'03	20°09'12
morning set	-12688 Apr 10 j 11:47	9°♊53'00			-12687 Mar 11 j 14:48	0°♊	
superior conj	-12688 Apr 19 j 01:26	26°♊43'33	1°28'04	asc. node	-12687 Mar 25 j 09:04	23°♊49'34	
minimum elong	-12688 Apr 18 j 22:21	26°♊28'43	1°27'01	morning set	-12687 Mar 25 j 14:46	24°♊18'21	
	-12688 Apr 20 j 18:30	0°♊			-12687 Mar 28 j 09:54	0°♊	
max. Earth dist.	-12688 Apr 25 j 09:29	8°♊36'13	1.38178 AU	superior conj	-12687 Apr 02 j 12:47	10°♊24'03	1°08'29
evening rise	-12688 Apr 29 j 10:29	15°♊48'46		minimum elong	-12687 Apr 02 j 10:01	10°♊10'09	1°07'18
	-12688 May 07 j 21:34	0°♊		max. Earth dist.	-12687 Apr 07 j 13:42	20°♊17'39	1.36471 AU
desc. node	-12688 May 25 j 23:06	26°♊26'19		evening rise	-12687 Apr 11 j 18:16	28°♊08'47	
	-12688 May 28 j 18:35	0°♊			-12687 Apr 12 j 18:42	0°♊	
evening max el	-12688 Jun 04 j 03:43	7°♊11'12	24°41'52		-12687 May 01 j 04:46	0°♊	
retrograde	-12688 Jun 15 j 14:29	13°♊57'08		desc. node	-12687 May 12 j 20:36	15°♊25'52	
evening set	-12688 Jun 21 j 06:26	11°♊28'47		evening max el	-12687 May 17 j 13:34	20°♊32'54	25°55'12
min. Earth dist.	-12688 Jun 25 j 19:41	6°♊10'35	0.66961 AU	retrograde	-12687 May 29 j 23:23	27°♊46'29	
inferior conj	-12688 Jun 26 j 12:53	5°♊12'41	-2°13'45	evening set	-12687 Jun 05 j 04:58	25°♊04'37	
minimum elong	-12688 Jun 26 j 15:02	5°♊05'26	2°13'04	min. Earth dist.	-12687 Jun 09 j 09:25	20°♊25'45	0.66336 AU
	-12688 Jun 30 j 21:44	30°♊		inferior conj	-12687 Jun 10 j 15:27	18°♊49'29	-2°45'40
morning rise	-12688 Jul 01 j 23:36	29°♊06'35		minimum elong	-12687 Jun 10 j 17:37	18°♊42'31	2°45'22
asc. node	-12688 Jul 04 j 13:06	27°♊52'56		morning rise	-12687 Jun 16 j 06:19	12°♊55'08	
direct	-12688 Jul 05 j 17:52	27°♊44'48		direct	-12687 Jun 19 j 15:50	11°♊48'16	
	-12688 Jul 11 j 00:32	0°♊		asc. node	-12687 Jun 21 j 09:48	12°♊05'07	
morning max el	-12688 Jul 13 j 15:11	2°♊23'37	20°20'55	morning max el	-12687 Jun 26 j 18:58	15°♊53'17	19°21'26
	-12688 Aug 02 j 12:12	0°♊			-12687 Jul 07 j 08:07	0°♊	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12687 Jul 20 j 06:36	20° Υ 10'41			morning set	-12686 Jun 10 j 16:13	0° H	
	-12687 Jul 26 j 12:11	0° B				-12686 Jun 30 j 11:32	29° H 52'17	
max. Earth dist.	-12687 Aug 03 j 10:06	12° B 30'17	1.44432 AU			-12686 Jun 30 j 13:26	0° Υ	
superior conj	-12687 Aug 05 j 14:20	15° B 57'47	0°18'17		superior conj	-12686 Jul 15 j 14:31	24° Υ 11'39	1°01'12
minimum elong	-12687 Aug 05 j 16:33	16° B 06'36	0°18'36		minimum elong	-12686 Jul 15 j 20:48	24° Υ 36'35	1°00'52
desc. node	-12687 Aug 08 j 16:45	20° B 54'40			max. Earth dist.	-12686 Jul 17 j 03:06	26° Υ 36'40	1.44536 AU
	-12687 Aug 14 j 08:08	0° II				-12686 Jul 19 j 06:29	0° B	
evening rise	-12687 Aug 20 j 15:25	10° II 18'12			desc. node	-12686 Jul 26 j 14:13	11° B 34'11	
	-12687 Sep 01 j 19:15	0° B			evening rise	-12686 Aug 01 j 01:19	20° B 12'24	
evening max el	-12687 Sep 09 j 04:33	9° B 46'14	18°33'10			-12686 Aug 07 j 06:03	0° II	
retrograde	-12687 Sep 15 j 20:33	13° B 27'53			evening max el	-12686 Aug 23 j 15:23	23° II 17'04	19°11'54
asc. node	-12687 Sep 17 j 10:37	13° B 13'55			retrograde	-12686 Aug 30 j 15:30	27° II 16'08	
evening set	-12687 Sep 18 j 17:42	12° B 42'04			evening set	-12686 Sep 02 j 20:32	26° II 16'46	
inferior conj	-12687 Sep 24 j 19:30	7° B 04'15	2°10'36		asc. node	-12686 Sep 04 j 07:38	25° II 11'35	
minimum elong	-12687 Sep 24 j 16:33	7° B 12'50	2°10'26		inferior conj	-12686 Sep 08 j 14:17	20° II 25'44	1°18'41
min. Earth dist.	-12687 Sep 26 j 17:07	4° B 51'36	0.64518 AU		minimum elong	-12686 Sep 08 j 12:28	20° II 31'25	1°18'49
morning rise	-12687 Sep 30 j 14:48	0° B 56'44			min. Earth dist.	-12686 Sep 09 j 23:34	18° II 41'09	0.65644 AU
	-12687 Oct 01 j 21:25	30° R II			morning rise	-12686 Sep 14 j 04:01	14° II 09'28	
direct	-12687 Oct 07 j 07:41	28° II 13'51			direct	-12686 Sep 20 j 09:00	11° II 32'50	
	-12687 Oct 13 j 06:52	0° B			morning max el	-12686 Oct 03 j 00:25	18° II 53'49	26°15'57
morning max el	-12687 Oct 20 j 13:53	5° B 44'09	27°07'52			-12686 Oct 12 j 13:22	0° B	
desc. node	-12687 Nov 04 j 16:07	24° B 28'45			desc. node	-12686 Oct 22 j 12:52	14° B 08'13	
	-12687 Nov 08 j 08:33	0° Ω				-12686 Nov 01 j 08:08	0° Ω	
morning set	-12687 Nov 24 j 19:17	28° Ω 36'15			morning set	-12686 Nov 07 j 22:36	11° Ω 48'52	
	-12687 Nov 25 j 12:27	0° H			max. Earth dist.	-12686 Nov 12 j 02:52	19° Ω 47'03	1.35636 AU
max. Earth dist.	-12687 Nov 29 j 13:45	8° H 07'45	1.34310 AU		superior conj	-12686 Nov 16 j 22:01	29° Ω 22'34	-1°34'13
superior conj	-12687 Dec 02 j 22:26	15° H 07'05	-1°25'37		minimum elong	-12686 Nov 16 j 22:59	29° Ω 27'29	1°33'45
minimum elong	-12687 Dec 03 j 00:10	15° H 16'12	1°25'15			-12686 Nov 17 j 05:21	0° H	
	-12687 Dec 09 j 23:19	0° Ω			evening rise	-12686 Nov 24 j 13:32	15° H 10'09	
evening rise	-12687 Dec 10 j 05:20	0° Ω 31'24			asc. node	-12686 Dec 01 j 05:58	28° H 14'48	
asc. node	-12687 Dec 14 j 08:33	8° Ω 54'10				-12686 Dec 02 j 05:27	0° Ω	
	-12687 Dec 27 j 12:05	0° H			evening max el	-12686 Dec 13 j 10:28	15° Ω 24'39	20°34'58
evening max el	-12687 Dec 31 j 07:18	4° H 03'35	21°58'43		retrograde	-12686 Dec 24 j 05:20	20° Ω 28'28	
retrograde	-12686 Jan 12 j 13:56	9° H 53'26			evening set	-12686 Dec 26 j 22:17	20° Ω 10'39	
evening set	-12686 Jan 15 j 16:39	9° H 31'56			inferior conj	-12685 Jan 04 j 16:11	16° Ω 10'54	3°13'06
inferior conj	-12686 Jan 24 j 17:42	5° H 27'27	1°45'31		minimum elong	-12685 Jan 04 j 21:55	16° Ω 02'24	3°11'38
minimum elong	-12686 Jan 24 j 21:59	5° H 21'22	1°43'46		min. Earth dist.	-12685 Jan 06 j 04:12	15° Ω 17'37	0.55808 AU
min. Earth dist.	-12686 Jan 24 j 14:56	5° H 31'24	0.55474 AU		morning rise	-12685 Jan 13 j 20:08	11° Ω 48'10	
desc. node	-12686 Jan 31 j 18:25	1° H 59'42			direct	-12685 Jan 17 j 08:37	11° Ω 20'54	
morning rise	-12686 Feb 03 j 03:33	1° H 21'09			desc. node	-12685 Jan 18 j 15:04	11° Ω 24'33	
direct	-12686 Feb 05 j 16:45	1° H 06'23			morning max el	-12685 Jan 30 j 16:09	17° Ω 54'01	23°01'19
morning max el	-12686 Feb 17 j 19:15	6° H 55'58	21°28'22			-12685 Feb 09 j 09:03	0° H	
	-12686 Mar 05 j 10:16	0° H			morning set	-12685 Feb 22 j 10:24	24° H 02'48	
morning set	-12686 Mar 09 j 23:03	9° H 04'10				-12685 Feb 25 j 06:01	0° H	
asc. node	-12686 Mar 12 j 06:10	13° H 50'40			asc. node	-12685 Feb 27 j 03:22	4° H 02'07	
superior conj	-12686 Mar 17 j 10:03	24° H 38'07	0°46'10		superior conj	-12685 Mar 01 j 14:11	9° H 15'56	0°22'44
minimum elong	-12686 Mar 17 j 08:06	24° H 27'58	0°45'02		minimum elong	-12685 Mar 01 j 13:14	9° H 10'53	0°21'48
	-12686 Mar 20 j 00:45	0° B			max. Earth dist.	-12685 Mar 04 j 02:14	14° H 32'41	1.33976 AU
max. Earth dist.	-12686 Mar 21 j 03:02	2° B 12'48	1.35051 AU		evening rise	-12685 Mar 09 j 09:45	25° H 21'33	
evening rise	-12686 Mar 25 j 19:39	11° B 24'46				-12685 Mar 11 j 19:04	0° B	
	-12686 Apr 05 j 05:24	0° \approx				-12685 Mar 29 j 16:25	0° \approx	
	-12686 Apr 26 j 09:01	0° H			evening max el	-12685 Apr 12 j 10:45	16° \approx 55'38	27°22'57
desc. node	-12686 Apr 29 j 18:01	3° H 35'44			desc. node	-12685 Apr 16 j 15:20	20° \approx 35'20	
evening max el	-12686 Apr 30 j 00:14	3° H 51'10	26°51'27		retrograde	-12685 Apr 26 j 01:46	24° \approx 31'31	
retrograde	-12686 May 13 j 03:18	11° H 20'46			evening set	-12685 May 02 j 23:40	21° \approx 52'08	
evening set	-12686 May 19 j 19:41	8° H 34'08			min. Earth dist.	-12685 May 06 j 16:19	18° \approx 25'51	0.63909 AU
min. Earth dist.	-12686 May 23 j 16:53	4° H 34'01	0.65320 AU		inferior conj	-12685 May 09 j 03:12	15° \approx 45'53	-3°21'22
inferior conj	-12686 May 25 j 13:04	2° H 22'07	-3°09'02		minimum elong	-12685 May 09 j 03:52	15° \approx 44'03	3°21'55
minimum elong	-12686 May 25 j 14:46	2° H 17'02	3°09'12		morning rise	-12685 May 15 j 08:52	10° \approx 22'44	
	-12686 May 27 j 14:14	30° R \approx			direct	-12685 May 18 j 05:31	9° \approx 40'28	
morning rise	-12686 May 31 j 10:09	26° \approx 42'15			morning max el	-12685 May 24 j 17:05	13° \approx 06'25	18°11'04
direct	-12686 Jun 03 j 12:34	25° \approx 48'32			asc. node	-12685 May 26 j 03:18	14° \approx 38'39	
asc. node	-12686 Jun 08 j 06:32	27° \approx 45'42				-12685 Jun 05 j 10:18	0° H	
morning max el	-12686 Jun 10 j 04:16	29° \approx 28'53	18°37'40		morning set	-12685 Jun 11 j 17:35	10° H 42'57	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12685 Jun 23 j 05:42	0°♿		direct	-12684 Apr 30 j 15:32	23°♿18'14	
				morning max el	-12684 May 07 j 07:02	26°♿40'51	18°02'36
superior conj	-12685 Jun 25 j 00:40	2°♿55'30	1°32'26		-12684 May 10 j 04:40	0°♿	
minimum elong	-12685 Jun 25 j 06:12	3°♿17'59	1°32'04	asc. node	-12684 May 12 j 00:07	2°♿29'11	
max. Earth dist.	-12685 Jun 29 j 18:02	10°♿32'48	1.43944 AU	morning set	-12684 May 23 j 22:39	22°♿39'49	
evening rise	-12685 Jul 11 j 10:14	28°♿56'00			-12684 May 28 j 01:35	0°♿	
	-12685 Jul 12 j 02:42	0°♿					
desc. node	-12685 Jul 13 j 11:46	2°♿08'06		superior conj	-12684 Jun 04 j 11:29	12°♿52'06	1°47'13
	-12685 Aug 01 j 05:53	0°♿		minimum elong	-12684 Jun 04 j 13:18	12°♿59'49	1°46'56
evening max el	-12685 Aug 06 j 21:00	6°♿45'52	20°06'28	max. Earth dist.	-12684 Jun 11 j 04:33	24°♿03'23	1.42747 AU
retrograde	-12685 Aug 14 j 12:13	11°♿11'42			-12684 Jun 14 j 20:38	0°♿	
evening set	-12685 Aug 18 j 03:19	9°♿55'29		evening rise	-12684 Jun 19 j 10:20	7°♿15'03	
asc. node	-12685 Aug 22 j 04:34	5°♿46'27		desc. node	-12684 Jun 29 j 09:19	22°♿32'46	
inferior conj	-12685 Aug 23 j 14:53	3°♿54'27	0°26'42		-12684 Jul 04 j 09:55	0°♿	
minimum elong	-12685 Aug 23 j 14:16	3°♿56'28	0°27'10	evening max el	-12684 Jul 19 j 19:54	20°♿10'55	21°14'42
min. Earth dist.	-12685 Aug 24 j 12:50	2°♿41'37	0.66467 AU	retrograde	-12684 Jul 28 j 08:34	25°♿12'00	
	-12685 Aug 26 j 16:05	30°♿		evening set	-12684 Aug 01 j 11:48	23°♿36'07	
morning rise	-12685 Aug 29 j 00:59	27°♿33'32		inferior conj	-12684 Aug 06 j 19:11	17°♿27'56	-0°23'25
direct	-12685 Sep 03 j 16:08	25°♿09'51		minimum elong	-12684 Aug 06 j 19:40	17°♿26'17	0°22'40
	-12685 Sep 13 j 03:59	0°♿		min. Earth dist.	-12684 Aug 07 j 06:26	16°♿49'21	0.66999 AU
morning max el	-12685 Sep 15 j 10:26	2°♿09'12	25°04'45	asc. node	-12684 Aug 08 j 01:27	15°♿44'49	
	-12685 Oct 06 j 16:32	0°♿		morning rise	-12684 Aug 12 j 03:21	11°♿06'30	
desc. node	-12685 Oct 09 j 09:44	4°♿11'32		direct	-12684 Aug 17 j 04:29	8°♿59'33	
morning set	-12685 Oct 21 j 08:26	24°♿05'57		morning max el	-12684 Aug 27 j 20:34	15°♿24'36	23°43'03
	-12685 Oct 24 j 14:54	0°♿			-12684 Sep 08 j 18:33	0°♿	
max. Earth dist.	-12685 Oct 25 j 06:14	1°♿10'35	1.37341 AU	desc. node	-12684 Sep 25 j 06:40	24°♿31'14	
					-12684 Sep 28 j 16:01	0°♿	
superior conj	-12685 Oct 31 j 12:20	13°♿05'58	-1°36'35	morning set	-12684 Oct 01 j 19:25	5°♿13'14	
minimum elong	-12685 Oct 31 j 12:00	13°♿04'17	1°35'59	max. Earth dist.	-12684 Oct 06 j 05:01	12°♿46'54	1.39289 AU
evening rise	-12685 Nov 08 j 17:25	29°♿31'14					
	-12685 Nov 08 j 23:10	0°♿		superior conj	-12684 Oct 13 j 13:19	26°♿05'28	-1°30'50
asc. node	-12685 Nov 18 j 03:21	17°♿03'55		minimum elong	-12684 Oct 13 j 11:15	25°♿55'48	1°30'00
evening max el	-12685 Nov 25 j 23:55	27°♿20'25	19°28'06		-12684 Oct 15 j 15:06	0°♿	
	-12685 Nov 29 j 10:21	0°♿		evening rise	-12684 Oct 22 j 14:34	13°♿27'47	
retrograde	-12685 Dec 05 j 06:22	1°♿43'44			-12684 Oct 31 j 14:36	0°♿	
evening set	-12685 Dec 07 j 19:11	1°♿25'32		asc. node	-12684 Nov 04 j 00:41	5°♿10'49	
	-12685 Dec 11 j 13:01	30°♿		evening max el	-12684 Nov 07 j 23:19	9°♿49'03	18°40'59
inferior conj	-12685 Dec 16 j 01:49	27°♿15'49	4°04'27	retrograde	-12684 Nov 16 j 00:03	13°♿43'31	
minimum elong	-12685 Dec 16 j 05:00	27°♿10'34	4°04'10	evening set	-12684 Nov 18 j 11:21	13°♿22'44	
min. Earth dist.	-12685 Dec 18 j 17:45	25°♿30'51	0.56909 AU	inferior conj	-12684 Nov 26 j 05:28	8°♿54'05	4°17'07
morning rise	-12685 Dec 24 j 12:41	22°♿29'15		minimum elong	-12684 Nov 26 j 04:52	8°♿55'12	4°17'23
direct	-12685 Dec 29 j 09:39	21°♿35'05		min. Earth dist.	-12684 Nov 29 j 09:22	6°♿31'14	0.58534 AU
desc. node	-12684 Jan 05 j 11:40	23°♿29'40		morning rise	-12684 Dec 03 j 20:29	3°♿45'02	
morning max el	-12684 Jan 12 j 07:17	28°♿35'56	24°37'46	direct	-12684 Dec 09 j 22:33	2°♿14'03	
	-12684 Jan 13 j 17:06	0°♿		desc. node	-12684 Dec 22 j 08:15	7°♿59'23	
	-12684 Feb 02 j 11:15	0°♿		morning max el	-12684 Dec 23 j 23:11	9°♿28'13	26°03'20
morning set	-12684 Feb 06 j 22:56	9°♿07'39			-12683 Jan 08 j 14:12	0°♿	
				morning set	-12683 Jan 21 j 10:48	24°♿11'00	
superior conj	-12684 Feb 13 j 22:49	24°♿09'52	-0°00'43		-12683 Jan 24 j 04:26	0°♿	
minimum elong	-12684 Feb 13 j 22:53	24°♿10'12	0°01'21				
behind sun begin	-12684 Feb 13 j 17:48	23°♿42'42		superior conj	-12683 Jan 28 j 09:56	9°♿11'52	-0°23'16
behind sun end	-12684 Feb 14 j 03:58	24°♿37'41		minimum elong	-12683 Jan 28 j 10:52	9°♿16'57	0°23'35
asc. node	-12684 Feb 14 j 00:38	24°♿19'42		max. Earth dist.	-12683 Jan 28 j 21:40	10°♿15'51	1.32863 AU
max. Earth dist.	-12684 Feb 15 j 09:31	27°♿16'56	1.33251 AU	asc. node	-12683 Jan 30 j 21:55	14°♿38'04	
	-12684 Feb 16 j 15:59	0°♿		evening rise	-12683 Feb 04 j 13:57	24°♿31'51	
evening rise	-12684 Feb 21 j 08:50	9°♿47'33			-12683 Feb 07 j 06:41	0°♿	
	-12684 Mar 03 j 04:03	0°♿			-12683 Feb 25 j 01:28	0°♿	
evening max el	-12684 Mar 24 j 19:18	29°♿36'09	27°24'04	evening max el	-12683 Mar 06 j 23:39	11°♿42'25	26°52'19
	-12684 Mar 25 j 05:15	0°♿		desc. node	-12683 Mar 20 j 09:37	19°♿08'02	
desc. node	-12684 Apr 02 j 12:32	5°♿57'26		retrograde	-12683 Mar 21 j 02:07	19°♿09'17	
retrograde	-12684 Apr 07 j 17:56	7°♿10'30		evening set	-12683 Mar 27 j 10:32	17°♿21'37	
evening set	-12684 Apr 14 j 13:41	4°♿51'42		min. Earth dist.	-12683 Mar 31 j 13:00	14°♿29'59	0.60198 AU
min. Earth dist.	-12684 Apr 18 j 06:58	1°♿49'24	0.62157 AU	inferior conj	-12683 Apr 03 j 20:24	11°♿42'05	-2°57'01
	-12684 Apr 20 j 04:28	30°♿		minimum elong	-12683 Apr 03 j 17:51	11°♿47'32	2°57'26
inferior conj	-12684 Apr 21 j 06:50	28°♿55'27	-3°19'04	morning rise	-12683 Apr 11 j 03:36	6°♿56'44	
minimum elong	-12684 Apr 21 j 05:58	28°♿57'34	3°19'44	direct	-12683 Apr 13 j 14:50	6°♿32'43	
morning rise	-12684 Apr 27 j 23:48	23°♿50'38		morning max el	-12683 Apr 20 j 19:19	10°♿04'13	18°12'59

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12683 Apr 28 j 20:58	21° ♄ 03'41		morning max el	-12682 Apr 04 j 03:05	23° ♄ 08'06	18°42'42
	-12683 May 03 j 22:19	0° ♄			-12682 Apr 09 j 16:39	0° ♄	
morning set	-12683 May 06 j 21:58	5° ♄ 32'00		asc. node	-12682 Apr 15 j 17:50	10° ♄ 11'44	
				morning set	-12682 Apr 20 j 10:54	19° ♄ 07'52	
superior conj	-12683 May 17 j 00:45	24° ♄ 07'35	1°47'28		-12682 Apr 26 j 01:44	0° ♄	
minimum elong	-12683 May 16 j 23:25	24° ♄ 01'38	1°46'57				
	-12683 May 20 j 08:34	0° ♄		superior conj	-12682 Apr 29 j 12:01	6° ♄ 30'44	1°37'13
max. Earth dist.	-12683 May 24 j 09:43	6° ♄ 57'10	1.41105 AU	minimum elong	-12682 Apr 29 j 09:11	6° ♄ 17'24	1°36'21
evening rise	-12683 May 30 j 00:34	16° ♄ 15'47		max. Earth dist.	-12682 May 06 j 10:40	19° ♄ 10'18	1.39244 AU
	-12683 Jun 07 j 17:38	0° ♄		evening rise	-12682 May 10 j 17:14	26° ♄ 34'58	
desc. node	-12683 Jun 16 j 06:52	12° ♄ 43'33			-12682 May 12 j 17:54	0° ♄	
	-12683 Jun 29 j 06:21	0° ♄			-12682 Jun 01 j 07:42	0° ♄	
evening max el	-12683 Jul 02 j 12:04	3° ♄ 32'24	22°32'55	desc. node	-12682 Jun 03 j 04:26	2° ♄ 33'53	
retrograde	-12683 Jul 12 j 03:00	9° ♄ 14'46		evening max el	-12682 Jun 14 j 23:21	16° ♄ 51'43	23°55'26
evening set	-12683 Jul 16 j 20:03	7° ♄ 17'31		retrograde	-12682 Jun 25 j 18:23	23° ♄ 15'59	
inferior conj	-12683 Jul 22 j 01:18	1° ♄ 04'38	-1°10'10	evening set	-12682 Jul 01 j 02:07	20° ♄ 57'54	
minimum elong	-12683 Jul 22 j 02:40	0° ♄ 59'55	1°09'15	inferior conj	-12682 Jul 06 j 07:27	14° ♄ 42'25	-1°52'12
min. Earth dist.	-12683 Jul 22 j 01:57	1° ♄ 02'25	0.67235 AU	minimum elong	-12682 Jul 06 j 09:24	14° ♄ 35'42	1°51'22
	-12683 Jul 22 j 20:02	30° ♄		min. Earth dist.	-12682 Jul 05 j 20:57	15° ♄ 18'18	0.67158 AU
asc. node	-12683 Jul 25 j 22:16	26° ♄ 08'53		morning rise	-12682 Jul 11 j 16:39	8° ♄ 31'18	
morning rise	-12683 Jul 27 j 09:11	24° ♄ 46'38		asc. node	-12682 Jul 12 j 19:01	7° ♄ 47'50	
direct	-12683 Jul 31 j 21:06	22° ♄ 57'46		direct	-12682 Jul 15 j 16:50	7° ♄ 00'09	
morning max el	-12683 Aug 10 j 09:16	28° ♄ 40'55	22°19'32	morning max el	-12682 Jul 24 j 03:05	12° ♄ 01'01	21°01'22
	-12683 Aug 11 j 15:05	0° ♄			-12682 Aug 06 j 20:39	0° ♄	
	-12683 Sep 02 j 12:39	0° ♄		morning set	-12682 Aug 22 j 14:49	23° ♄ 53'21	
morning set	-12683 Sep 12 j 04:14	15° ♄ 04'16			-12682 Aug 26 j 11:56	0° ♄	
desc. node	-12683 Sep 12 j 03:43	15° ♄ 02'11		desc. node	-12682 Aug 30 j 00:51	5° ♄ 39'45	
max. Earth dist.	-12683 Sep 18 j 06:21	25° ♄ 04'24	1.41235 AU	max. Earth dist.	-12682 Aug 31 j 13:46	8° ♄ 09'10	1.42898 AU
	-12683 Sep 21 j 04:04	0° ♄					
superior conj	-12683 Sep 25 j 19:47	8° ♄ 07'01	-1°14'50	superior conj	-12682 Sep 07 j 01:52	18° ♄ 54'46	-0°46'50
minimum elong	-12683 Sep 25 j 16:08	7° ♄ 50'51	1°13'43	minimum elong	-12682 Sep 06 j 22:07	18° ♄ 38'59	0°45'37
evening rise	-12683 Oct 06 j 01:56	26° ♄ 52'28			-12682 Sep 13 j 13:01	0° ♄	
	-12683 Oct 07 j 18:17	0° ♄		evening rise	-12682 Sep 18 j 23:26	9° ♄ 34'54	
asc. node	-12683 Oct 21 j 21:58	22° ♄ 22'31			-12682 Oct 01 j 00:53	0° ♄	
evening max el	-12683 Oct 22 j 06:26	22° ♄ 43'53	18°14'08	evening max el	-12682 Oct 05 j 18:20	5° ♄ 56'32	18°06'57
retrograde	-12683 Oct 29 j 11:09	26° ♄ 22'07		asc. node	-12682 Oct 08 j 19:11	8° ♄ 23'05	
evening set	-12683 Oct 31 j 22:30	25° ♄ 57'12		retrograde	-12682 Oct 12 j 12:08	9° ♄ 29'15	
inferior conj	-12683 Nov 08 j 04:05	21° ♄ 06'41	4°00'25	evening set	-12682 Oct 15 j 01:26	8° ♄ 58'23	
minimum elong	-12683 Nov 08 j 01:00	21° ♄ 13'25	4°00'31	inferior conj	-12682 Oct 21 j 19:14	3° ♄ 47'18	3°25'08
min. Earth dist.	-12683 Nov 11 j 06:28	18° ♄ 25'22	0.60369 AU	minimum elong	-12682 Oct 21 j 15:22	3° ♄ 56'53	3°24'57
morning rise	-12683 Nov 15 j 02:04	15° ♄ 37'37		min. Earth dist.	-12682 Oct 24 j 12:25	1° ♄ 06'16	0.62153 AU
direct	-12683 Nov 21 j 21:40	13° ♄ 31'49			-12682 Oct 25 j 16:58	30° ♄	
morning max el	-12683 Dec 05 j 20:45	20° ♄ 53'29	27°04'14	morning rise	-12682 Oct 28 j 04:11	28° ♄ 00'33	
desc. node	-12683 Dec 09 j 04:48	24° ♄ 21'08		direct	-12682 Nov 04 j 05:23	25° ♄ 30'08	
	-12683 Dec 13 j 20:50	0° ♄			-12682 Nov 14 j 15:38	0° ♄	
	-12682 Jan 01 j 07:24	0° ♄		morning max el	-12682 Nov 18 j 00:49	2° ♄ 58'35	27°32'14
morning set	-12682 Jan 05 j 20:09	9° ♄ 06'14		desc. node	-12682 Nov 26 j 01:21	12° ♄ 03'49	
					-12682 Dec 08 j 04:47	0° ♄	
superior conj	-12682 Jan 12 j 21:49	24° ♄ 15'40	-0°44'13	morning set	-12682 Dec 21 j 00:56	23° ♄ 45'42	
minimum elong	-12682 Jan 12 j 23:24	24° ♄ 24'22	0°44'16		-12682 Dec 24 j 01:10	0° ♄	
max. Earth dist.	-12682 Jan 12 j 11:05	23° ♄ 17'02	1.32804 AU	max. Earth dist.	-12682 Dec 26 j 22:00	6° ♄ 07'04	1.33081 AU
	-12682 Jan 15 j 12:56	0° ♄					
asc. node	-12682 Jan 17 j 19:15	4° ♄ 53'15		superior conj	-12682 Dec 28 j 08:48	9° ♄ 15'10	-1°02'52
evening rise	-12682 Jan 19 j 22:52	9° ♄ 26'32		minimum elong	-12682 Dec 28 j 10:45	9° ♄ 25'46	1°02'43
	-12682 Jan 30 j 17:15	0° ♄		evening rise	-12681 Jan 04 j 09:44	24° ♄ 24'44	
evening max el	-12682 Feb 16 j 22:21	23° ♄ 11'12	25°50'02	asc. node	-12681 Jan 04 j 16:37	25° ♄ 00'49	
	-12682 Feb 27 j 19:01	0° ♄			-12681 Jan 07 j 02:45	0° ♄	
retrograde	-12682 Mar 03 j 00:23	0° ♄ 24'59			-12681 Jan 25 j 17:10	0° ♄	
	-12682 Mar 06 j 05:08	30° ♄		evening max el	-12681 Jan 29 j 16:25	4° ♄ 11'23	24°25'41
desc. node	-12682 Mar 07 j 06:37	29° ♄ 40'49		retrograde	-12681 Feb 12 j 11:12	11° ♄ 03'08	
evening set	-12682 Mar 08 j 12:36	29° ♄ 11'37		evening set	-12681 Feb 16 j 22:03	10° ♄ 18'31	
min. Earth dist.	-12682 Mar 13 j 11:47	26° ♄ 16'53	0.58264 AU	desc. node	-12681 Feb 22 j 03:30	7° ♄ 48'36	
inferior conj	-12682 Mar 16 j 16:20	23° ♄ 57'00	-2°09'20	min. Earth dist.	-12681 Feb 23 j 05:52	7° ♄ 08'16	0.56650 AU
minimum elong	-12682 Mar 16 j 12:56	24° ♄ 03'15	2°09'20	inferior conj	-12681 Feb 25 j 16:36	5° ♄ 34'28	-0°52'42
morning rise	-12682 Mar 24 j 16:26	19° ♄ 31'10		minimum elong	-12681 Feb 25 j 14:38	5° ♄ 37'38	0°52'51
direct	-12682 Mar 26 j 23:17	19° ♄ 13'56		morning rise	-12681 Mar 06 j 10:14	1° ♄ 24'48	
				direct	-12681 Mar 08 j 13:48	1° ♄ 12'03	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12681 Mar 18 j 03:25	5° A 43'49	19°32'07	direct	-12680 Feb 17 j 12:05	12° M 21'03	
asc. node	-12681 Apr 02 j 14:46	29° A 45'39		morning max el	-12680 Feb 28 j 17:30	17° M 42'06	20°40'54
	-12681 Apr 02 j 17:42	0° B			-12680 Mar 09 j 02:51	0° A	
morning set	-12681 Apr 04 j 09:40	3° B 17'58		morning set	-12680 Mar 18 j 15:12	17° A 52'53	
				asc. node	-12680 Mar 19 j 11:49	19° A 38'25	
					-12680 Mar 24 j 12:18	0° B	
superior conj	-12681 Apr 12 j 16:01	19° B 47'31	1°20'13				
minimum elong	-12681 Apr 12 j 12:59	19° B 32'38	1°19'06				
	-12681 Apr 17 j 23:49	0° \approx		superior conj	-12680 Mar 26 j 08:03	3° B 43'53	0°59'15
max. Earth dist.	-12681 Apr 18 j 11:42	0° \approx 55'23	1.37414 AU	minimum elong	-12680 Mar 26 j 05:35	3° B 31'20	0°58'04
evening rise	-12681 Apr 22 j 12:13	8° \approx 15'05		max. Earth dist.	-12680 Mar 30 j 19:00	12° B 38'23	1.35818 AU
	-12681 May 05 j 13:30	0° H		evening rise	-12680 Apr 04 j 04:11	21° B 01'06	
desc. node	-12681 May 21 j 01:58	21° H 55'32			-12680 Apr 09 j 03:15	0° \approx	
	-12681 May 28 j 03:57	0° Y			-12680 Apr 28 j 09:39	0° H	
evening max el	-12681 May 28 j 08:48	0° Y 12'09	25°14'35	desc. node	-12680 May 06 j 23:28	10° H 36'08	
retrograde	-12681 Jun 09 j 06:00	7° Y 11'44		evening max el	-12680 May 09 j 18:49	13° H 32'38	26°21'44
evening set	-12681 Jun 15 j 04:03	4° Y 36'24		retrograde	-12680 May 22 j 13:02	20° H 55'23	
	-12681 Jun 19 j 05:40	30° R H		evening set	-12680 May 28 j 23:36	18° H 10'08	
min. Earth dist.	-12681 Jun 19 j 13:16	29° H 35'05	0.66739 AU	min. Earth dist.	-12680 Jun 02 j 00:40	13° H 47'56	0.65946 AU
inferior conj	-12681 Jun 20 j 11:52	28° H 20'24	-2°28'14	inferior conj	-12680 Jun 03 j 12:36	11° H 55'44	-2°56'47
minimum elong	-12681 Jun 20 j 14:05	28° H 13'04	2°27'42	minimum elong	-12680 Jun 03 j 14:38	11° H 49'23	2°56'41
morning rise	-12681 Jun 26 j 00:08	22° H 19'11		morning rise	-12680 Jun 09 j 05:51	6° H 07'12	
direct	-12681 Jun 29 j 14:24	21° H 04'10		direct	-12680 Jun 12 j 12:03	5° H 06'20	
asc. node	-12681 Jun 29 j 15:43	21° H 04'11		asc. node	-12680 Jun 15 j 12:26	5° H 55'23	
morning max el	-12681 Jul 07 j 03:20	25° H 27'42	19°53'55	morning max el	-12680 Jun 19 j 09:39	9° H 00'06	19°00'47
	-12681 Jul 11 j 00:33	0° Y			-12680 Jul 04 j 05:14	0° Y	
	-12681 Jul 31 j 05:16	0° B		morning set	-12680 Jul 11 j 10:17	11° Y 29'48	
morning set	-12681 Aug 01 j 18:24	2° B 24'35			-12680 Jul 23 j 01:47	0° B	
max. Earth dist.	-12681 Aug 14 j 02:26	21° B 49'42	1.44052 AU				
desc. node	-12681 Aug 16 j 22:09	26° B 20'44		superior conj	-12680 Jul 27 j 09:04	6° B 48'39	0°37'18
				minimum elong	-12680 Jul 27 j 13:25	7° B 05'54	0°37'16
superior conj	-12681 Aug 18 j 04:20	28° B 22'21	-0°07'30	max. Earth dist.	-12680 Jul 26 j 18:05	5° B 49'22	1.44556 AU
minimum elong	-12681 Aug 18 j 03:35	28° B 19'19	0°06'42	desc. node	-12680 Aug 02 j 19:35	17° B 01'50	
behind sun begin	-12681 Aug 17 j 17:41	27° B 39'22			-12680 Aug 10 j 21:46	0° II	
behind sun end	-12681 Aug 18 j 13:29	28° B 59'19		evening rise	-12680 Aug 12 j 03:42	2° II 00'49	
	-12681 Aug 19 j 04:29	0° II			-12680 Aug 30 j 08:54	0° B	
evening rise	-12681 Sep 01 j 01:57	21° II 22'43		evening max el	-12680 Sep 01 j 20:51	2° B 51'16	18°47'42
	-12681 Sep 06 j 04:23	0° B		retrograde	-12680 Sep 08 j 15:35	6° B 39'19	
evening max el	-12681 Sep 19 j 08:06	19° B 20'51	18°18'28	evening set	-12680 Sep 11 j 15:44	5° B 48'18	
retrograde	-12681 Sep 25 j 22:50	22° B 56'59		asc. node	-12680 Sep 11 j 13:22	5° B 51'33	
asc. node	-12681 Sep 25 j 16:19	22° B 56'35		inferior conj	-12680 Sep 17 j 13:55	0° B 04'46	1°48'47
evening set	-12681 Sep 28 j 16:21	22° B 17'39		minimum elong	-12680 Sep 17 j 11:26	0° B 12'16	1°48'43
inferior conj	-12681 Oct 04 j 23:35	16° B 48'48	2°39'27		-12680 Sep 17 j 15:30	30° R II	
minimum elong	-12681 Oct 04 j 20:06	16° B 58'24	2°39'12	min. Earth dist.	-12680 Sep 19 j 06:18	28° II 03'07	0.65032 AU
min. Earth dist.	-12681 Oct 07 j 04:34	14° B 22'38	0.63733 AU	morning rise	-12680 Sep 23 j 06:34	23° II 52'58	
morning rise	-12681 Oct 10 j 23:02	10° B 47'36		direct	-12680 Sep 29 j 18:52	21° II 11'19	
direct	-12681 Oct 17 j 20:47	8° B 05'29		morning max el	-12680 Oct 12 j 19:32	28° II 39'38	26°48'37
morning max el	-12681 Oct 31 j 09:19	15° B 37'48	27°25'46		-12680 Oct 14 j 03:14	0° B	
	-12681 Nov 12 j 09:11	0° Ω		desc. node	-12680 Oct 29 j 18:37	20° B 06'33	
desc. node	-12681 Nov 12 j 21:56	0° Ω 44'27			-12680 Nov 05 j 03:14	0° Ω	
	-12681 Nov 30 j 18:48	0° M		morning set	-12680 Nov 17 j 09:49	21° Ω 40'10	
morning set	-12681 Dec 04 j 22:34	8° M 00'27			-12680 Nov 21 j 15:57	0° M	
max. Earth dist.	-12681 Dec 10 j 02:32	18° M 32'55	1.33739 AU	max. Earth dist.	-12680 Nov 21 j 21:37	0° M 28'26	1.34819 AU
superior conj	-12681 Dec 12 j 17:06	24° M 03'49	-1°18'26	superior conj	-12680 Nov 25 j 20:41	8° M 34'48	-1°29'56
minimum elong	-12681 Dec 12 j 19:03	24° M 14'10	1°18'08	minimum elong	-12680 Nov 25 j 22:09	8° M 42'27	1°29'32
	-12681 Dec 15 j 11:38	0° L		evening rise	-12680 Dec 03 j 06:43	24° M 07'21	
evening rise	-12681 Dec 19 j 20:54	9° L 20'07			-12680 Dec 06 j 03:56	0° L	
asc. node	-12681 Dec 22 j 14:02	14° L 55'23		asc. node	-12680 Dec 08 j 11:28	4° L 31'03	
	-12681 Dec 30 j 18:52	0° M		evening max el	-12680 Dec 23 j 08:34	26° L 09'59	21°21'25
evening max el	-12680 Jan 11 j 09:58	15° M 03'06	22°51'49		-12680 Dec 28 j 14:41	0° M	
retrograde	-12680 Jan 24 j 10:02	21° M 19'03		retrograde	-12679 Jan 04 j 00:45	1° M 39'45	
evening set	-12680 Jan 27 j 21:45	20° M 52'24		evening set	-12679 Jan 06 j 22:13	1° M 20'39	
min. Earth dist.	-12680 Feb 04 j 21:34	17° M 14'17	0.55664 AU		-12679 Jan 10 j 21:02	30° R L	
inferior conj	-12680 Feb 05 j 23:16	16° M 36'48	0°46'20	inferior conj	-12679 Jan 15 j 21:07	27° L 20'43	2°26'07
minimum elong	-12680 Feb 06 j 01:12	16° M 33'59	0°45'08	minimum elong	-12679 Jan 16 j 02:32	27° L 12'56	2°24'18
desc. node	-12680 Feb 09 j 00:15	14° M 53'51		min. Earth dist.	-12679 Jan 16 j 11:47	26° L 59'40	0.55513 AU
morning rise	-12680 Feb 15 j 06:07	12° M 33'10		morning rise	-12679 Jan 25 j 06:07	23° L 08'30	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12679 Jan 25 j 20:55	23° Ω 01'29	morning rise	-12678 Jan 04 j 20:40	3° Ω 38'25
direct	-12679 Jan 28 j 03:33	22° Ω 49'52	direct	-12678 Jan 08 j 22:55	3° Ω 01'18
morning max el	-12679 Feb 09 j 20:10	29° Ω 00'14 22°06'35	desc. node	-12678 Jan 12 j 17:32	3° Ω 33'51
	-12679 Feb 10 j 20:22	0° \mathbb{M}	morning max el	-12678 Jan 22 j 13:39	9° Ω 47'43 23°42'35
	-12679 Mar 01 j 16:58	0° \mathcal{A}		-12678 Feb 06 j 08:57	0° \mathbb{M}
morning set	-12679 Mar 03 j 01:04	2° \mathcal{A} 45'13	morning set	-12678 Feb 15 j 13:09	17° \mathbb{M} 47'29
asc. node	-12679 Mar 06 j 08:59	9° \mathcal{A} 44'43	asc. node	-12678 Feb 21 j 06:13	29° \mathbb{M} 59'19
				-12678 Feb 21 j 06:20	0° \mathcal{A}
superior conj	-12679 Mar 10 j 08:35	18° \mathcal{A} 09'23 0°36'17	superior conj	-12678 Feb 22 j 14:54	2° \mathcal{A} 54'53 0°12'44
minimum elong	-12679 Mar 10 j 07:03	18° \mathcal{A} 01'18 0°35'14	minimum elong	-12678 Feb 22 j 14:23	2° \mathcal{A} 52'07 0°11'56
max. Earth dist.	-12679 Mar 13 j 12:32	24° \mathcal{A} 43'13 1.34555 AU	behind sun begin	-12678 Feb 22 j 10:58	2° \mathcal{A} 33'46
	-12679 Mar 16 j 03:15	0° \mathcal{B}	behind sun end	-12678 Feb 22 j 17:48	3° \mathcal{A} 10'28
evening rise	-12679 Mar 18 j 11:35	4° \mathcal{B} 36'43	max. Earth dist.	-12678 Feb 24 j 15:47	7° \mathcal{A} 15'30 1.33635 AU
	-12679 Apr 01 j 21:46	0° \approx	evening rise	-12678 Mar 02 j 05:56	18° \mathcal{A} 47'31
evening max el	-12679 Apr 22 j 05:48	26° \approx 46'59 27°08'21		-12678 Mar 08 j 02:07	0° \mathcal{B}
desc. node	-12679 Apr 23 j 20:50	28° \approx 19'03		-12678 Mar 27 j 04:05	0° \approx
	-12679 Apr 25 j 20:12	0° \mathcal{H}	evening max el	-12678 Apr 04 j 15:59	9° \approx 43'31 27°27'24
retrograde	-12679 May 05 j 14:47	4° \mathcal{H} 20'13	desc. node	-12678 Apr 10 j 18:05	14° \approx 41'18
evening set	-12679 May 12 j 10:06	1° \mathcal{H} 35'24	retrograde	-12678 Apr 18 j 10:25	17° \approx 18'32
	-12679 May 14 j 04:18	30° \mathcal{R}	evening set	-12678 Apr 25 j 08:32	14° \approx 46'37
min. Earth dist.	-12679 May 16 j 05:02	27° \approx 50'12 0.64763 AU	min. Earth dist.	-12678 Apr 29 j 00:48	11° \approx 31'54 0.63202 AU
inferior conj	-12679 May 18 j 07:23	25° \approx 25'19 -3°15'50	inferior conj	-12678 May 01 j 17:28	8° \approx 44'16 -3°22'30
minimum elong	-12679 May 18 j 08:43	25° \approx 21'28 3°16'12	minimum elong	-12678 May 01 j 17:32	8° \approx 44'05 3°23'08
morning rise	-12679 May 24 j 07:47	19° \approx 52'00	morning rise	-12678 May 08 j 03:34	3° \approx 28'33
direct	-12679 May 27 j 07:35	19° \approx 03'19	direct	-12678 May 10 j 22:10	2° \approx 50'30
asc. node	-12679 Jun 02 j 09:11	22° \approx 08'27	morning max el	-12678 May 17 j 10:12	6° \approx 13'22 18°05'13
morning max el	-12679 Jun 02 j 20:37	22° \approx 36'29 18°24'07	asc. node	-12678 May 20 j 05:58	9° \approx 27'45
	-12679 Jun 08 j 16:16	0° \mathcal{H}		-12678 Jun 02 j 00:40	0° \mathcal{H}
morning set	-12679 Jun 22 j 01:49	21° \mathcal{H} 40'10	morning set	-12678 Jun 03 j 18:13	3° \mathcal{H} 00'45
	-12679 Jun 27 j 02:48	0° \mathcal{Y}			
superior conj	-12679 Jul 06 j 10:47	15° \mathcal{Y} 07'22 1°16'22	superior conj	-12678 Jun 16 j 06:27	24° \mathcal{H} 19'12 1°40'42
minimum elong	-12679 Jul 06 j 17:22	15° \mathcal{Y} 33'41 1°15'58	minimum elong	-12678 Jun 16 j 10:30	24° \mathcal{H} 36'00 1°40'25
max. Earth dist.	-12679 Jul 09 j 10:23	19° \mathcal{Y} 52'43 1.44364 AU		-12678 Jun 19 j 17:26	0° \mathcal{Y}
	-12679 Jul 15 j 20:03	0° \mathcal{B}	max. Earth dist.	-12678 Jun 22 j 00:18	3° \mathcal{Y} 42'21 1.43502 AU
desc. node	-12679 Jul 20 j 17:06	7° \mathcal{B} 39'28	evening rise	-12678 Jul 02 j 04:20	19° \mathcal{Y} 47'46
evening rise	-12679 Jul 23 j 01:51	11° \mathcal{B} 21'43	desc. node	-12678 Jul 07 j 14:39	28° \mathcal{Y} 10'19
greatest brilliancy	-12679 Aug 02 j 17:49	27° \mathcal{B} 55'53 -0.7m		-12678 Jul 08 j 19:23	0° \mathcal{B}
	-12679 Aug 04 j 02:25	0° \mathbb{I}	evening max el	-12678 Jul 30 j 08:44	29° \mathcal{B} 49'51 20°34'02
evening max el	-12679 Aug 16 j 05:49	16° \mathbb{I} 22'07 19°33'26		-12678 Jul 30 j 12:44	0° \mathbb{I}
retrograde	-12679 Aug 23 j 11:26	20° \mathbb{I} 31'04	retrograde	-12678 Aug 07 j 08:09	4° \mathbb{I} 29'20
evening set	-12679 Aug 26 j 20:32	19° \mathbb{I} 24'54	evening set	-12678 Aug 11 j 04:18	3° \mathbb{I} 04'50
asc. node	-12679 Aug 29 j 10:22	17° \mathbb{I} 10'10		-12678 Aug 14 j 06:34	30° \mathcal{R}
inferior conj	-12679 Sep 01 j 11:26	13° \mathbb{I} 29'32 0°56'32	asc. node	-12678 Aug 16 j 07:17	27° \mathcal{B} 22'27
minimum elong	-12679 Sep 01 j 10:08	13° \mathbb{I} 33'42 0°56'48	inferior conj	-12678 Aug 16 j 13:49	27° \mathcal{B} 00'25 0°05'06
min. Earth dist.	-12679 Sep 02 j 15:50	11° \mathbb{I} 58'03 0.66030 AU	minimum elong	-12678 Aug 16 j 13:41	27° \mathcal{B} 00'51 0°05'43
morning rise	-12679 Sep 06 j 23:24	7° \mathbb{I} 11'02	transit middle	-12678 Aug 16 j 13:41	27° \mathcal{B} 00'51 0°05'43
direct	-12679 Sep 12 j 22:47	4° \mathbb{I} 39'05	transit begin	-12678 Aug 16 j 11:07	27° \mathcal{B} 09'30
morning max el	-12679 Sep 25 j 05:39	11° \mathbb{I} 52'01 25°47'33	transit end	-12678 Aug 16 j 16:15	26° \mathcal{B} 52'11
	-12679 Oct 09 j 21:48	0° \mathcal{E}	min. Earth dist.	-12678 Aug 17 j 07:06	26° \mathcal{B} 02'11 0.66729 AU
desc. node	-12679 Oct 16 j 15:24	9° \mathcal{E} 57'24	morning rise	-12678 Aug 21 j 22:55	20° \mathcal{B} 39'04
	-12679 Oct 28 j 18:04	0° \mathcal{O}	direct	-12678 Aug 27 j 08:04	18° \mathcal{B} 22'24
morning set	-12679 Oct 31 j 06:19	4° \mathcal{O} 31'02	morning max el	-12678 Sep 07 j 15:32	25° \mathcal{B} 07'48 24°30'52
max. Earth dist.	-12679 Nov 04 j 06:08	11° \mathcal{O} 58'11 1.36322 AU		-12678 Sep 12 j 01:38	0° \mathbb{I}
				-12678 Oct 03 j 10:07	0° \mathcal{E}
superior conj	-12679 Nov 09 j 16:46	22° \mathcal{O} 38'30 -1°36'06	desc. node	-12678 Oct 03 j 12:18	0° \mathcal{E} 08'37
minimum elong	-12679 Nov 09 j 17:15	22° \mathcal{O} 40'52 1°35'35	morning set	-12678 Oct 13 j 07:00	16° \mathcal{E} 19'33
	-12679 Nov 13 j 07:45	0° \mathbb{N}	max. Earth dist.	-12678 Oct 17 j 07:04	23° \mathcal{E} 24'50 1.38158 AU
evening rise	-12679 Nov 17 j 13:20	8° \mathbb{N} 39'41		-12678 Oct 20 j 21:03	0° \mathcal{O}
asc. node	-12679 Nov 25 j 08:52	23° \mathbb{N} 39'42			
	-12679 Nov 29 j 06:55	0° \mathcal{E}	superior conj	-12678 Oct 24 j 01:56	6° \mathcal{O} 04'41 -1°35'16
evening max el	-12679 Dec 05 j 16:05	7° \mathcal{E} 46'02 20°04'11	minimum elong	-12678 Oct 24 j 00:54	5° \mathcal{O} 59'40 1°34'35
retrograde	-12679 Dec 15 j 18:34	12° \mathcal{E} 30'52	evening rise	-12678 Nov 01 j 14:39	22° \mathcal{O} 51'20
evening set	-12679 Dec 18 j 09:36	12° \mathcal{E} 13'05		-12678 Nov 05 j 06:36	0° \mathbb{N}
inferior conj	-12679 Dec 26 j 23:01	8° \mathcal{E} 10'43 3°39'50	asc. node	-12678 Nov 12 j 06:14	12° \mathbb{N} 12'17
minimum elong	-12679 Dec 27 j 04:03	8° \mathcal{E} 02'59 3°38'52	evening max el	-12678 Nov 18 j 09:49	19° \mathbb{N} 55'50 19°05'28
min. Earth dist.	-12679 Dec 29 j 00:47	6° \mathcal{E} 54'24 0.56205 AU	retrograde	-12678 Nov 27 j 02:31	24° \mathbb{N} 05'34

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12678 Nov 29 j 14:30	23° \mathbb{M} 46'24		evening set	-12677 Nov 11 j 14:59	6° \mathbb{M} 00'35	
inferior conj	-12678 Dec 07 j 15:48	19° \mathbb{M} 28'50	4°14'07	inferior conj	-12677 Nov 19 j 03:42	1° \mathbb{M} 22'42	4°12'58
minimum elong	-12678 Dec 07 j 17:20	19° \mathbb{M} 26'10	4°14'12	minimum elong	-12677 Nov 19 j 01:50	1° \mathbb{M} 26'28	4°13'14
min. Earth dist.	-12678 Dec 10 j 14:31	17° \mathbb{M} 26'00	0.57561 AU		-12677 Nov 20 j 20:32	30° \mathbb{R} \mathcal{O}	
morning rise	-12678 Dec 15 j 18:11	14° \mathbb{M} 32'33		min. Earth dist.	-12677 Nov 22 j 08:15	28° \mathcal{O} 49'22	0.59297 AU
direct	-12678 Dec 21 j 04:28	13° \mathbb{M} 23'35		morning rise	-12677 Nov 26 j 10:56	26° \mathcal{O} 04'27	
desc. node	-12678 Dec 30 j 14:06	16° \mathbb{M} 43'55		direct	-12677 Dec 02 j 21:44	24° \mathcal{O} 17'55	
morning max el	-12677 Jan 04 j 04:18	20° \mathbb{M} 30'33	25°16'24		-12677 Dec 15 j 04:13	0° \mathbb{M}	
	-12677 Jan 12 j 08:08	0° \mathcal{A}		morning max el	-12677 Dec 16 j 22:32	1° \mathbb{M} 36'19	26°32'57
	-12677 Jan 29 j 16:26	0° \mathbb{M}		desc. node	-12677 Dec 17 j 10:39	2° \mathbb{M} 05'41	
morning set	-12677 Jan 31 j 01:37	2° \mathbb{M} 52'41			-12676 Jan 06 j 07:38	0° \mathcal{A}	
				morning set	-12676 Jan 15 j 12:41	17° \mathcal{A} 54'24	
					-12676 Jan 21 j 04:00	0° \mathbb{M}	
superior conj	-12677 Feb 07 j 00:47	17° \mathbb{M} 52'55	-0°10'26				
minimum elong	-12677 Feb 07 j 01:14	17° \mathbb{M} 55'21	0°10'57				
behind sun begin	-12677 Feb 06 j 21:34	17° \mathbb{M} 35'28		superior conj	-12676 Jan 22 j 12:27	2° \mathbb{M} 57'17	-0°32'22
behind sun end	-12677 Feb 07 j 04:53	18° \mathbb{M} 15'14		minimum elong	-12676 Jan 22 j 13:42	3° \mathbb{M} 04'05	0°32'35
max. Earth dist.	-12677 Feb 08 j 01:41	20° \mathbb{M} 08'03	1.33051 AU	max. Earth dist.	-12676 Jan 22 j 14:49	3° \mathbb{M} 10'10	1.32793 AU
asc. node	-12677 Feb 08 j 03:28	20° \mathbb{M} 17'39		asc. node	-12676 Jan 26 j 00:45	10° \mathbb{M} 35'46	
	-12677 Feb 12 j 16:44	0° \mathcal{A}		evening rise	-12676 Jan 29 j 14:51	18° \mathbb{M} 12'21	
evening rise	-12677 Feb 14 j 07:52	3° \mathcal{A} 22'09			-12676 Feb 04 j 13:15	0° \mathcal{A}	
	-12677 Feb 28 j 22:17	0° \mathcal{B}			-12676 Feb 24 j 05:15	0° \mathcal{B}	
evening max el	-12677 Mar 17 j 22:51	22° \mathcal{B} 09'48	27°14'26	evening max el	-12676 Feb 28 j 00:40	4° \mathcal{B} 00'01	26°29'06
desc. node	-12677 Mar 28 j 15:15	29° \mathcal{B} 11'49		retrograde	-12676 Mar 13 j 03:46	11° \mathcal{B} 23'03	
retrograde	-12677 Mar 31 j 23:12	29° \mathcal{B} 41'26		desc. node	-12676 Mar 14 j 12:16	11° \mathcal{B} 18'20	
evening set	-12677 Apr 07 j 15:33	27° \mathcal{B} 34'39		evening set	-12676 Mar 19 j 04:33	9° \mathcal{B} 49'49	
min. Earth dist.	-12677 Apr 11 j 11:23	24° \mathcal{B} 38'59	0.61340 AU	min. Earth dist.	-12676 Mar 23 j 14:05	6° \mathcal{B} 58'33	0.59356 AU
inferior conj	-12677 Apr 14 j 15:31	21° \mathcal{B} 44'52	-3°12'29	inferior conj	-12676 Mar 26 j 22:01	4° \mathcal{B} 19'35	-2°40'15
minimum elong	-12677 Apr 14 j 13:55	21° \mathcal{B} 48'34	3°13'05	minimum elong	-12676 Mar 26 j 18:55	4° \mathcal{B} 25'47	2°40'28
morning rise	-12677 Apr 21 j 14:13	16° \mathcal{B} 48'30			-12676 Apr 02 j 15:43	30° \mathbb{R} \mathcal{A}	
direct	-12677 Apr 24 j 04:07	16° \mathcal{B} 19'46		morning rise	-12676 Apr 03 j 12:12	29° \mathcal{A} 43'00	
morning max el	-12677 Apr 30 j 23:48	19° \mathcal{B} 44'12	18°04'45	direct	-12676 Apr 05 j 21:26	29° \mathcal{A} 22'13	
asc. node	-12677 May 07 j 02:46	27° \mathcal{B} 38'15			-12676 Apr 09 j 00:39	0° \mathcal{B}	
	-12677 May 08 j 14:22	0° \approx		morning max el	-12676 Apr 13 j 10:39	3° \mathcal{B} 01'34	18°23'14
morning set	-12677 May 17 j 07:37	15° \approx 22'24		asc. node	-12676 Apr 22 j 23:37	16° \mathcal{B} 28'34	
	-12677 May 25 j 10:33	0° \mathcal{H}		morning set	-12676 Apr 29 j 13:16	28° \mathcal{B} 34'43	
					-12676 Apr 30 j 07:15	0° \approx	
superior conj	-12677 May 28 j 04:50	4° \mathcal{H} 50'14	1°48'53				
minimum elong	-12677 May 28 j 05:07	4° \mathcal{H} 51'30	1°48'32	superior conj	-12676 May 09 j 04:13	16° \approx 37'05	1°44'10
max. Earth dist.	-12677 Jun 04 j 08:50	16° \mathcal{H} 59'21	1.42087 AU	minimum elong	-12676 May 09 j 02:03	16° \approx 27'11	1°43'30
evening rise	-12677 Jun 11 j 07:54	28° \mathcal{H} 16'44		max. Earth dist.	-12676 May 16 j 11:24	29° \approx 33'50	1.40324 AU
	-12677 Jun 12 j 09:58	0° \mathbb{Y}			-12676 May 16 j 17:29	0° \mathcal{H}	
desc. node	-12677 Jun 24 j 12:13	18° \mathbb{Y} 29'48		evening rise	-12676 May 21 j 08:47	7° \mathcal{H} 49'01	
	-12677 Jul 02 j 12:35	0° \mathcal{B}			-12676 Jun 04 j 12:12	0° \mathbb{Y}	
evening max el	-12677 Jul 13 j 04:30	13° \mathcal{B} 12'21	21°47'00	desc. node	-12676 Jun 10 j 09:46	8° \mathbb{Y} 32'54	
retrograde	-12677 Jul 22 j 03:54	18° \mathcal{B} 30'51		evening max el	-12676 Jun 24 j 18:08	26° \mathbb{Y} 32'02	23°07'53
evening set	-12677 Jul 26 j 12:53	16° \mathcal{B} 45'46			-12676 Jun 28 j 15:57	0° \mathcal{B}	
inferior conj	-12677 Jul 31 j 19:04	10° \mathcal{B} 35'02	-0°43'47	retrograde	-12676 Jul 04 j 21:18	2° \mathcal{B} 33'16	
minimum elong	-12677 Jul 31 j 19:57	10° \mathcal{B} 31'59	0°42'56	evening set	-12676 Jul 09 j 20:26	0° \mathcal{B} 27'01	
min. Earth dist.	-12677 Aug 01 j 01:45	10° \mathcal{B} 11'59	0.67132 AU		-12676 Jul 10 j 08:24	30° \mathbb{R} \mathbb{Y}	
asc. node	-12677 Aug 03 j 04:07	7° \mathcal{B} 23'40		inferior conj	-12676 Jul 15 j 01:25	24° \mathbb{Y} 12'31	-1°28'41
morning rise	-12677 Aug 06 j 02:56	4° \mathcal{B} 14'38		minimum elong	-12676 Jul 15 j 03:05	24° \mathbb{Y} 06'48	1°27'46
direct	-12677 Aug 10 j 22:09	2° \mathcal{B} 15'37		min. Earth dist.	-12676 Jul 14 j 21:26	24° \mathbb{Y} 26'19	0.67239 AU
morning max el	-12677 Aug 21 j 02:34	8° \mathcal{B} 23'35	23°07'20	morning rise	-12676 Jul 20 j 09:39	17° \mathbb{Y} 56'47	
	-12677 Sep 06 j 21:34	0° \mathbb{I}		asc. node	-12676 Jul 20 j 00:54	18° \mathbb{Y} 14'56	
desc. node	-12677 Sep 20 j 09:18	20° \mathbb{I} 33'38		direct	-12676 Jul 24 j 16:17	16° \mathbb{Y} 15'39	
morning set	-12677 Sep 24 j 06:57	26° \mathbb{I} 54'09		morning max el	-12676 Aug 02 j 17:11	21° \mathbb{Y} 41'08	21°45'10
	-12677 Sep 26 j 03:41	0° \mathcal{B}			-12676 Aug 09 j 16:18	0° \mathcal{B}	
max. Earth dist.	-12677 Sep 29 j 06:21	5° \mathcal{B} 16'40	1.40129 AU		-12676 Aug 30 j 05:29	0° \mathbb{I}	
				morning set	-12676 Sep 03 j 05:08	6° \mathbb{I} 15'08	
superior conj	-12677 Oct 06 j 19:39	18° \mathcal{B} 40'40	-1°25'25	desc. node	-12676 Sep 06 j 06:23	11° \mathbb{I} 07'50	
minimum elong	-12677 Oct 06 j 16:50	18° \mathcal{B} 27'48	1°24'28	max. Earth dist.	-12676 Sep 10 j 09:29	17° \mathbb{I} 52'08	1.41984 AU
	-12677 Oct 12 j 21:07	0° \mathcal{O}					
evening rise	-12677 Oct 16 j 08:01	6° \mathcal{O} 35'11		superior conj	-12676 Sep 17 j 16:22	0° \mathcal{B} 12'06	-1°04'28
asc. node	-12677 Oct 30 j 03:31	29° \mathcal{O} 57'29		minimum elong	-12676 Sep 17 j 12:23	29° \mathbb{I} 54'52	1°03'15
	-12677 Oct 30 j 04:20	0° \mathbb{M}			-12676 Sep 17 j 13:34	0° \mathcal{B}	
evening max el	-12677 Nov 01 j 12:43	2° \mathbb{M} 36'11	18°27'08	evening rise	-12676 Sep 28 j 14:01	19° \mathcal{B} 42'52	
retrograde	-12677 Nov 09 j 04:02	6° \mathbb{M} 22'48			-12676 Oct 04 j 06:35	0° \mathcal{O}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12676 Oct 14 j 22:15	15° Ω 39'35	18°08'51	retrograde	-12675 Oct 05 j 02:51	2° Ω 31'19	
asc. node	-12676 Oct 16 j 00:47	16° Ω 41'00		evening set	-12675 Oct 07 j 17:46	1° Ω 57'05	
retrograde	-12676 Oct 21 j 21:23	19° Ω 14'13			-12675 Oct 10 j 18:49	30° \mathbb{R} \mathfrak{S}	
evening set	-12676 Oct 24 j 09:14	18° Ω 47'07		inferior conj	-12675 Oct 14 j 06:54	26° \mathfrak{S} 38'13	3°06'41
inferior conj	-12676 Oct 31 j 09:43	13° Ω 48'00	3°47'11	minimum elong	-12675 Oct 14 j 03:06	26° \mathfrak{S} 48'07	3°06'25
minimum elong	-12676 Oct 31 j 06:07	13° Ω 56'18	3°47'09	min. Earth dist.	-12675 Oct 16 j 19:07	24° \mathfrak{S} 02'06	0.62858 AU
min. Earth dist.	-12676 Nov 03 j 09:00	11° Ω 04'19	0.61137 AU	morning rise	-12675 Oct 20 j 11:28	20° \mathfrak{S} 45'16	
morning rise	-12676 Nov 07 j 01:39	8° Ω 11'03		direct	-12675 Oct 27 j 12:20	18° \mathfrak{S} 08'07	
direct	-12676 Nov 14 j 01:04	5° Ω 52'50		morning max el	-12675 Nov 10 j 04:56	25° \mathfrak{S} 38'16	27°33'35
morning max el	-12676 Nov 27 j 22:54	13° Ω 18'22	27°20'26		-12675 Nov 14 j 07:54	0° Ω	
desc. node	-12676 Dec 03 j 07:12	19° Ω 05'07		desc. node	-12675 Nov 20 j 03:47	7° Ω 14'57	
	-12676 Dec 11 j 10:26	0° \mathbb{P}			-12675 Dec 04 j 19:28	0° \mathbb{P}	
	-12676 Dec 28 j 12:13	0° \mathfrak{L}		morning set	-12675 Dec 13 j 22:26	17° \mathbb{P} 13'52	
morning set	-12676 Dec 29 j 20:22	2° \mathfrak{L} 44'07		max. Earth dist.	-12675 Dec 19 j 12:00	28° \mathbb{P} 48'05	1.33312 AU
max. Earth dist.	-12675 Jan 05 j 03:25	16° \mathfrak{L} 07'32	1.32871 AU		-12675 Dec 20 j 01:28	0° \mathfrak{L}	
superior conj	-12675 Jan 06 j 00:10	18° \mathfrak{L} 00'30	-0°52'27	superior conj	-12675 Dec 21 j 10:15	2° \mathfrak{L} 56'09	-1°09'54
minimum elong	-12675 Jan 06 j 01:57	18° \mathfrak{L} 10'14	0°52'24	minimum elong	-12675 Dec 21 j 12:15	3° \mathfrak{L} 06'56	1°09'41
asc. node	-12675 Jan 11 j 22:06	0° \mathbb{M} 48'36		evening rise	-12675 Dec 28 j 12:00	18° \mathfrak{L} 07'17	
	-12675 Jan 11 j 12:58	0° \mathbb{M}		asc. node	-12675 Dec 29 j 19:30	20° \mathfrak{L} 51'18	
evening rise	-12675 Jan 13 j 00:48	3° \mathbb{M} 09'32			-12674 Jan 03 j 10:07	0° \mathbb{M}	
	-12675 Jan 27 j 16:22	0° \mathfrak{J}		evening max el	-12674 Jan 21 j 14:37	26° \mathbb{M} 09'52	23°46'11
evening max el	-12675 Feb 08 j 21:11	15° \mathfrak{J} 15'38	25°16'17		-12674 Jan 26 j 11:10	0° \mathfrak{J}	
retrograde	-12675 Feb 22 j 21:41	22° \mathfrak{J} 21'39		retrograde	-12674 Feb 04 j 02:50	2° \mathfrak{J} 47'12	
evening set	-12675 Feb 27 j 23:04	21° \mathfrak{J} 21'53		evening set	-12674 Feb 08 j 03:10	2° \mathfrak{J} 11'44	
desc. node	-12675 Mar 01 j 09:11	20° \mathfrak{J} 44'51			-12674 Feb 13 j 04:31	30° \mathbb{R} \mathbb{M}	
min. Earth dist.	-12675 Mar 05 j 10:56	18° \mathfrak{J} 21'39	0.57521 AU	min. Earth dist.	-12674 Feb 15 j 03:48	28° \mathbb{M} 51'26	0.56145 AU
inferior conj	-12675 Mar 08 j 09:45	16° \mathfrak{J} 19'36	-1°40'20	desc. node	-12674 Feb 16 j 06:01	28° \mathbb{M} 11'39	
minimum elong	-12675 Mar 08 j 06:36	16° \mathfrak{J} 25'03	1°40'17	inferior conj	-12674 Feb 17 j 01:56	27° \mathbb{M} 41'09	-0°12'34
morning rise	-12675 Mar 16 j 17:24	12° \mathfrak{J} 01'06		minimum elong	-12674 Feb 17 j 01:24	27° \mathbb{M} 41'58	0°13'05
direct	-12675 Mar 18 j 22:23	11° \mathfrak{J} 46'12		transit middle	-12674 Feb 17 j 01:24	27° \mathbb{M} 41'58	0°13'05
morning max el	-12675 Mar 27 j 15:39	15° \mathfrak{J} 55'03	19°01'11	transit begin	-12674 Feb 16 j 23:10	27° \mathbb{M} 45'24	
	-12675 Apr 06 j 16:35	0° \mathfrak{Z}		transit end	-12674 Feb 17 j 03:39	27° \mathbb{M} 38'32	
asc. node	-12675 Apr 09 j 20:31	5° \mathfrak{Z} 48'41		morning rise	-12674 Feb 26 j 02:04	23° \mathbb{M} 35'18	
morning set	-12675 Apr 13 j 06:49	12° \mathfrak{Z} 26'28		direct	-12674 Feb 28 j 05:44	23° \mathbb{M} 23'18	
superior conj	-12675 Apr 21 j 23:15	29° \mathfrak{Z} 24'48	1°30'38	morning max el	-12674 Mar 10 j 11:47	28° \mathbb{M} 15'06	19°58'58
minimum elong	-12675 Apr 21 j 20:12	29° \mathfrak{Z} 10'13	1°29'39		-12674 Mar 12 j 04:46	0° \mathfrak{J}	
	-12675 Apr 22 j 06:37	0° \approx		asc. node	-12674 Mar 27 j 17:30	25° \mathfrak{J} 31'17	
max. Earth dist.	-12675 Apr 28 j 11:21	11° \approx 31'13	1.38455 AU	morning set	-12674 Mar 28 j 08:49	26° \mathfrak{J} 48'15	
evening rise	-12675 May 02 j 13:14	18° \approx 44'32			-12674 Mar 29 j 22:43	0° \mathfrak{Z}	
	-12675 May 09 j 06:01	0° \mathfrak{H}		superior conj	-12674 Apr 05 j 08:49	12° \mathfrak{Z} 59'33	1°11'40
desc. node	-12675 May 28 j 07:19	28° \mathfrak{H} 12'22		minimum elong	-12674 Apr 05 j 05:58	12° \mathfrak{Z} 45'18	1°10'30
	-12675 May 29 j 16:23	0° \mathbb{Y}		max. Earth dist.	-12674 Apr 10 j 14:46	23° \mathfrak{Z} 13'41	1.36709 AU
evening max el	-12675 Jun 07 j 04:24	9° \mathbb{Y} 52'22	24°30'04		-12674 Apr 14 j 05:52	0° \approx	
retrograde	-12675 Jun 18 j 11:11	16° \mathbb{Y} 32'48		evening rise	-12674 Apr 14 j 17:52	0° \approx 54'43	
evening set	-12675 Jun 24 j 01:01	14° \mathbb{Y} 07'04			-12674 May 02 j 09:23	0° \mathfrak{H}	
min. Earth dist.	-12675 Jun 28 j 15:43	8° \mathbb{Y} 43'14	0.67022 AU	desc. node	-12674 May 15 j 04:51	17° \mathfrak{H} 18'10	
inferior conj	-12675 Jun 29 j 07:06	7° \mathbb{Y} 51'10	-2°08'18	evening max el	-12674 May 20 j 14:09	23° \mathfrak{H} 14'00	25°45'10
minimum elong	-12675 Jun 29 j 09:13	7° \mathbb{Y} 44'00	2°07'35		-12674 May 30 j 07:00	0° \mathbb{Y}	
morning rise	-12675 Jul 04 j 17:23	1° \mathbb{Y} 43'38		retrograde	-12674 Jun 01 j 20:46	0° \mathbb{Y} 24'05	
asc. node	-12675 Jul 06 j 21:39	0° \mathbb{Y} 34'44			-12674 Jun 04 j 07:17	30° \mathbb{R} \mathfrak{H}	
direct	-12675 Jul 08 j 13:09	0° \mathbb{Y} 19'24		evening set	-12674 Jun 08 j 00:32	27° \mathfrak{H} 43'37	
morning max el	-12675 Jul 16 j 13:35	5° \mathbb{Y} 03'39	20°31'02	min. Earth dist.	-12674 Jun 12 j 06:10	22° \mathfrak{H} 59'01	0.66454 AU
	-12675 Aug 03 j 18:32	0° \mathfrak{B}		inferior conj	-12674 Jun 13 j 10:14	21° \mathfrak{H} 28'17	-2°41'22
morning set	-12675 Aug 13 j 10:20	14° \mathfrak{B} 49'55		minimum elong	-12674 Jun 13 j 12:26	21° \mathfrak{H} 21'11	2°41'00
	-12675 Aug 23 j 00:53	0° \mathbb{I}		morning rise	-12674 Jun 19 j 00:22	15° \mathfrak{H} 32'11	
max. Earth dist.	-12675 Aug 23 j 19:07	1° \mathbb{I} 13'15	1.43460 AU	direct	-12674 Jun 22 j 11:06	14° \mathfrak{H} 23'14	
desc. node	-12675 Aug 24 j 03:37	1° \mathbb{I} 47'33		asc. node	-12674 Jun 23 j 18:22	14° \mathfrak{H} 32'38	
				morning max el	-12674 Jun 29 j 16:30	18° \mathfrak{H} 32'37	19°29'23
superior conj	-12675 Aug 29 j 10:52	10° \mathbb{I} 26'24	-0°31'21		-12674 Jul 08 j 11:56	0° \mathbb{Y}	
minimum elong	-12675 Aug 29 j 07:58	10° \mathbb{I} 14'25	0°30'13	morning set	-12674 Jul 23 j 17:06	23° \mathbb{Y} 30'08	
	-12675 Sep 09 j 23:39	0° \mathfrak{S}			-12674 Jul 27 j 20:21	0° \mathfrak{B}	
evening rise	-12675 Sep 11 j 04:10	2° \mathfrak{S} 03'50		max. Earth dist.	-12674 Aug 06 j 09:59	15° \mathfrak{B} 06'14	1.44356 AU
evening max el	-12675 Sep 28 j 11:25	28° \mathfrak{S} 58'35	18°09'42				
	-12675 Sep 29 j 13:26	0° Ω		superior conj	-12674 Aug 09 j 02:32	19° \mathfrak{B} 23'09	0°11'28
asc. node	-12675 Oct 02 j 21:59	2° Ω 06'48		minimum elong	-12674 Aug 09 j 03:57	19° \mathfrak{B} 28'45	0°11'54

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

behind sun begin	-12674 Aug 08 j 20:13	18° $\text{85}^{\circ}57'56$		max. Earth dist.	-12673 Jul 20 j 02:40	29° $\text{91}^{\circ}11'09$	1.44566 AU
behind sun end	-12674 Aug 09 j 11:40	19° $\text{85}^{\circ}59'36$			-12673 Jul 20 j 15:01	0° 8	
desc. node	-12674 Aug 11 j 01:00	22° $\text{82}^{\circ}58'56$		desc. node	-12673 Jul 28 j 22:28	13° $\text{80}^{\circ}8'52$	
	-12674 Aug 15 j 16:52	0° II		evening rise	-12673 Aug 04 j 10:49	23° $\text{82}^{\circ}9'11$	
evening rise	-12674 Aug 23 j 20:48	13° $\text{II}23'39$			-12673 Aug 08 j 13:09	0° II	
	-12674 Sep 02 j 23:32	0° 8		evening max el	-12673 Aug 26 j 12:30	25° $\text{II}56'26$	19°05'06
evening max el	-12674 Sep 12 j 01:08	12° $\text{82}^{\circ}25'58$	18°28'47	retrograde	-12673 Sep 02 j 11:04	29° $\text{II}52'33$	
retrograde	-12674 Sep 18 j 16:34	16° $\text{80}^{\circ}55'55$		evening set	-12673 Sep 05 j 14:44	28° $\text{II}55'29$	
asc. node	-12674 Sep 19 j 19:07	15° $\text{85}^{\circ}59'11$		asc. node	-12673 Sep 06 j 16:09	28° $\text{II}11'21$	
evening set	-12674 Sep 21 j 12:42	15° $\text{82}^{\circ}21'51$		inferior conj	-12673 Sep 11 j 09:34	23° $\text{II}06'14$	1°26'37
inferior conj	-12674 Sep 27 j 15:51	9° $\text{84}^{\circ}46'08$	2°18'20	minimum elong	-12673 Sep 11 j 07:34	23° $\text{II}12'25$	1°26'41
minimum elong	-12674 Sep 27 j 12:45	9° $\text{85}^{\circ}55'03$	2°18'07	min. Earth dist.	-12673 Sep 12 j 20:39	21° $\text{II}17'04$	0.65495 AU
min. Earth dist.	-12674 Sep 29 j 15:19	7° $\text{82}^{\circ}29'52$	0.64326 AU	morning rise	-12673 Sep 16 j 23:59	16° $\text{II}50'54$	
morning rise	-12674 Oct 03 j 12:08	3° $\text{84}^{\circ}40'07$		direct	-12673 Sep 23 j 06:53	14° $\text{II}12'42$	
direct	-12674 Oct 10 j 06:25	0° $\text{85}^{\circ}57'13$		morning max el	-12673 Oct 06 j 01:00	21° $\text{II}36'14$	26°25'05
morning max el	-12674 Oct 23 j 14:27	8° $\text{82}^{\circ}28'10$	27°13'26		-12673 Oct 13 j 11:19	0° 8	
desc. node	-12674 Nov 07 j 00:26	26° $\text{82}^{\circ}14'35$		desc. node	-12673 Oct 24 j 21:11	15° $\text{84}^{\circ}49'47$	
	-12674 Nov 09 j 13:38	0° 8			-12673 Nov 02 j 17:25	0° 8	
	-12674 Nov 27 j 00:46	0° 8		morning set	-12673 Nov 10 j 21:36	14° $\text{83}^{\circ}34'31$	
morning set	-12674 Nov 27 j 16:04	1° $\text{8}14'21$		max. Earth dist.	-12673 Nov 15 j 03:41	22° $\text{84}^{\circ}44'51$	1.35408 AU
max. Earth dist.	-12674 Dec 02 j 13:00	11° $\text{80}^{\circ}13'39$	1.34149 AU		-12673 Nov 18 j 18:34	0° 8	
superior conj	-12674 Dec 05 j 16:48	17° $\text{80}^{\circ}37'33$	-1°23'53	superior conj	-12673 Nov 19 j 17:31	1° $\text{85}^{\circ}57'15$	-1°33'18
minimum elong	-12674 Dec 05 j 18:37	17° $\text{80}^{\circ}47'05$	1°23'32	minimum elong	-12673 Nov 19 j 18:38	2° $\text{80}^{\circ}02'59$	1°32'52
	-12674 Dec 11 j 12:36	0° 8		evening rise	-12673 Nov 27 j 07:29	17° $\text{80}^{\circ}40'41$	
evening rise	-12674 Dec 12 j 22:48	2° $\text{85}^{\circ}59'35$		asc. node	-12673 Dec 03 j 14:22	0° $\text{80}^{\circ}03'19$	
asc. node	-12674 Dec 16 j 16:57	10° $\text{85}^{\circ}38'27$			-12673 Dec 03 j 13:39	0° 8	
	-12674 Dec 28 j 05:08	0° 8		evening max el	-12673 Dec 16 j 11:24	18° $\text{82}^{\circ}21'26$	20°46'30
evening max el	-12673 Jan 03 j 09:34	7° $\text{80}^{\circ}04'35$	22°12'14	retrograde	-12673 Dec 27 j 12:01	23° $\text{83}^{\circ}32'02$	
retrograde	-12673 Jan 15 j 21:04	13° $\text{80}^{\circ}01'38$		evening set	-12673 Dec 30 j 05:50	23° $\text{85}^{\circ}14'05$	
evening set	-12673 Jan 19 j 01:51	12° $\text{80}^{\circ}39'02$		inferior conj	-12672 Jan 08 j 01:11	19° $\text{85}^{\circ}14'48$	3°01'57
inferior conj	-12673 Jan 28 j 03:19	8° $\text{80}^{\circ}32'08$	1°30'16	minimum elong	-12672 Jan 08 j 06:59	19° $\text{85}^{\circ}06'17$	3°00'20
minimum elong	-12673 Jan 28 j 07:02	8° $\text{80}^{\circ}26'49$	1°28'38	min. Earth dist.	-12672 Jan 09 j 07:59	18° $\text{85}^{\circ}29'41$	0.55700 AU
min. Earth dist.	-12673 Jan 27 j 18:25	8° $\text{80}^{\circ}44'52$	0.55492 AU	morning rise	-12672 Jan 17 j 06:50	14° $\text{85}^{\circ}55'01$	
desc. node	-12673 Feb 03 j 02:44	5° $\text{80}^{\circ}28'20$		direct	-12672 Jan 20 j 14:56	14° $\text{85}^{\circ}30'29$	
morning rise	-12673 Feb 06 j 12:50	4° $\text{80}^{\circ}27'12$		desc. node	-12672 Jan 20 j 23:23	14° $\text{85}^{\circ}30'46$	
direct	-12673 Feb 08 j 23:38	4° $\text{80}^{\circ}13'25$		morning max el	-12672 Feb 02 j 19:16	20° $\text{85}^{\circ}58'28$	22°46'59
morning max el	-12673 Feb 20 j 20:56	9° $\text{80}^{\circ}55'35$	21°15'38		-12672 Feb 10 j 09:17	0° 8	
	-12673 Mar 06 j 20:14	0° 8		morning set	-12672 Feb 25 j 03:31	26° $\text{80}^{\circ}29'06$	
morning set	-12673 Mar 12 j 16:30	11° $\text{85}^{\circ}31'58$			-12672 Feb 26 j 19:40	0° 8	
asc. node	-12673 Mar 14 j 14:36	15° $\text{85}^{\circ}30'38$		asc. node	-12672 Feb 29 j 11:46	5° $\text{85}^{\circ}40'49$	
superior conj	-12673 Mar 20 j 04:53	27° $\text{85}^{\circ}09'54$	0°49'40	superior conj	-12672 Mar 03 j 08:10	11° $\text{85}^{\circ}44'50$	0°26'20
minimum elong	-12673 Mar 20 j 02:47	26° $\text{85}^{\circ}59'04$	0°48'31	minimum elong	-12672 Mar 03 j 07:04	11° $\text{85}^{\circ}38'59$	0°25'21
	-12673 Mar 21 j 14:01	0° 8		max. Earth dist.	-12672 Mar 06 j 00:11	17° $\text{85}^{\circ}21'05$	1.34110 AU
max. Earth dist.	-12673 Mar 24 j 02:33	5° $\text{80}^{\circ}05'49$	1.35236 AU	evening rise	-12672 Mar 11 j 05:30	27° $\text{85}^{\circ}55'31$	
evening rise	-12673 Mar 28 j 17:01	14° $\text{80}^{\circ}03'49$			-12672 Mar 12 j 07:01	0° 8	
	-12673 Apr 06 j 14:06	0° 8			-12672 Mar 29 j 19:35	0° 8	
	-12673 Apr 27 j 02:02	0° 8		evening max el	-12672 Apr 14 j 11:15	19° $\text{85}^{\circ}40'33$	27°20'05
desc. node	-12673 May 02 j 02:16	5° $\text{85}^{\circ}36'58$		desc. node	-12672 Apr 17 j 23:35	22° $\text{85}^{\circ}48'48$	
evening max el	-12673 May 03 j 00:37	6° $\text{85}^{\circ}33'12$	26°44'24	retrograde	-12672 Apr 28 j 00:58	27° $\text{85}^{\circ}16'18$	
retrograde	-12673 May 16 j 01:32	14° $\text{85}^{\circ}01'30$		evening set	-12672 May 04 j 22:23	24° $\text{85}^{\circ}35'03$	
evening set	-12673 May 22 j 16:36	11° $\text{85}^{\circ}14'43$		min. Earth dist.	-12672 May 08 j 15:27	21° $\text{85}^{\circ}04'07$	0.64143 AU
min. Earth dist.	-12673 May 26 j 14:41	7° $\text{85}^{\circ}09'05$	0.65499 AU	inferior conj	-12672 May 11 j 00:10	18° $\text{85}^{\circ}27'34$	-3°20'26
inferior conj	-12673 May 28 j 08:45	5° $\text{85}^{\circ}02'00$	-3°06'11	minimum elong	-12672 May 11 j 01:02	18° $\text{85}^{\circ}25'10$	3°20'56
minimum elong	-12673 May 28 j 10:33	4° $\text{85}^{\circ}56'32$	3°06'17	morning rise	-12672 May 17 j 04:24	13° $\text{85}^{\circ}01'44$	
	-12673 Jun 02 j 04:49	30° 85°		direct	-12672 May 20 j 01:47	12° $\text{85}^{\circ}17'55$	
morning rise	-12673 Jun 03 j 04:47	29° $\text{85}^{\circ}19'54$		morning max el	-12672 May 26 j 13:33	15° $\text{85}^{\circ}45'30$	18°13'51
direct	-12673 Jun 06 j 08:07	28° $\text{85}^{\circ}24'27$		asc. node	-12672 May 27 j 11:49	16° $\text{85}^{\circ}44'08$	
asc. node	-12673 Jun 10 j 15:05	0° $\text{85}^{\circ}01'04$			-12672 Jun 05 j 17:12	0° 8	
	-12673 Jun 10 j 14:29	0° 8		morning set	-12672 Jun 13 j 20:45	13° $\text{85}^{\circ}42'03$	
morning max el	-12673 Jun 13 j 01:08	2° $\text{85}^{\circ}07'55$	18°43'06		-12672 Jun 23 j 14:50	0° 8	
	-12673 Jul 01 j 21:37	0° 8		superior conj	-12672 Jun 27 j 10:34	6° $\text{85}^{\circ}14'01$	1°28'44
morning set	-12673 Jul 03 j 18:24	3° $\text{85}^{\circ}01'36$		minimum elong	-12672 Jun 27 j 16:31	6° $\text{85}^{\circ}38'02$	1°28'23
superior conj	-12673 Jul 19 j 03:08	27° $\text{85}^{\circ}37'57$	0°55'16	max. Earth dist.	-12672 Jul 01 j 17:51	13° $\text{85}^{\circ}09'04$	1.44074 AU
minimum elong	-12673 Jul 19 j 09:05	28° $\text{85}^{\circ}01'29$	0°55'00		-12672 Jul 12 j 10:26	0° 8	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12672 Jul 13 j 22:45	2° $\text{8}^{\circ}21'25''$			-12671 May 29 j 11:43	0° 8°	
desc. node	-12672 Jul 14 j 19:59	3° $\text{8}^{\circ}43'56''$					
greatest brilliancy	-12672 Jul 26 j 13:00	21° $\text{8}^{\circ}40'55''$	-0.7m	superior conj	-12671 Jun 07 j 17:16	15° $\text{8}^{\circ}58'17''$	1°46'01
	-12672 Aug 01 j 05:50	0° II°		minimum elong	-12671 Jun 07 j 19:40	16° $\text{8}^{\circ}08'24''$	1°45'44
evening max el	-12672 Aug 08 j 19:02	9° $\text{II}^{\circ}26'04''$	19°57'29	max. Earth dist.	-12671 Jun 14 j 05:15	26° $\text{8}^{\circ}44'50''$	1.42959 AU
retrograde	-12672 Aug 16 j 07:37	13° $\text{II}^{\circ}47'16''$			-12671 Jun 16 j 05:25	0° Y°	
evening set	-12672 Aug 19 j 21:03	12° $\text{II}^{\circ}33'51''$		evening rise	-12671 Jun 22 j 22:40	10° $\text{Y}^{\circ}39'58''$	
asc. node	-12672 Aug 23 j 13:06	8° $\text{II}^{\circ}56'36''$		desc. node	-12671 Jul 01 j 17:31	24° $\text{Y}^{\circ}10'20''$	
inferior conj	-12672 Aug 25 j 09:26	6° $\text{II}^{\circ}34'16''$	0°34'29		-12671 Jul 05 j 14:57	0° 8°	
minimum elong	-12672 Aug 25 j 08:39	6° $\text{II}^{\circ}36'52''$	0°34'55	evening max el	-12671 Jul 22 j 19:00	22° $\text{8}^{\circ}51'56''$	21°03'50
min. Earth dist.	-12672 Aug 26 j 09:04	5° $\text{II}^{\circ}16'23''$	0.66361 AU	retrograde	-12671 Jul 31 j 04:02	27° $\text{8}^{\circ}47'02''$	
morning rise	-12672 Aug 30 j 19:57	0° $\text{II}^{\circ}13'48''$		evening set	-12671 Aug 04 j 05:23	26° $\text{8}^{\circ}14'12''$	
	-12672 Aug 31 j 02:29	30° $\text{R}^{\circ}8''$		inferior conj	-12671 Aug 09 j 13:16	20° $\text{8}^{\circ}07'00''$	-0°16'03
direct	-12672 Sep 05 j 13:17	27° $\text{8}^{\circ}47'44''$		minimum elong	-12671 Aug 09 j 13:35	20° $\text{8}^{\circ}05'53''$	0°15'18
	-12672 Sep 11 j 17:17	0° II°		transit middle	-12671 Aug 09 j 13:35	20° $\text{8}^{\circ}05'53''$	0°15'18
morning max el	-12672 Sep 17 j 11:02	4° $\text{II}^{\circ}51'14''$	25°16'14	transit begin	-12671 Aug 09 j 12:37	20° $\text{8}^{\circ}09'13''$	
	-12672 Oct 06 j 22:17	0° 8°		transit end	-12671 Aug 09 j 14:34	20° $\text{8}^{\circ}02'33''$	
desc. node	-12672 Oct 10 j 18:01	5° $\text{8}^{\circ}50'16''$		min. Earth dist.	-12671 Aug 10 j 02:05	19° $\text{8}^{\circ}23'13''$	0.66939 AU
morning set	-12672 Oct 23 j 10:24	27° $\text{8}^{\circ}01'15''$		asc. node	-12671 Aug 10 j 09:58	18° $\text{8}^{\circ}56'28''$	
	-12672 Oct 25 j 02:03	0° 8°		morning rise	-12671 Aug 14 j 21:38	13° $\text{8}^{\circ}45'32''$	
max. Earth dist.	-12672 Oct 27 j 08:09	4° $\text{8}^{\circ}09'04''$	1.37064 AU	direct	-12671 Aug 20 j 00:52	11° $\text{8}^{\circ}35'55''$	
				morning max el	-12671 Aug 30 j 20:56	18° $\text{8}^{\circ}06'22''$	23°55'33
superior conj	-12672 Nov 02 j 09:27	15° $\text{8}^{\circ}46'40''$	-1°36'43		-12671 Sep 09 j 19:33	0° II°	
minimum elong	-12672 Nov 02 j 09:21	15° $\text{8}^{\circ}46'06''$	1°36'09	desc. node	-12671 Sep 27 j 14:56	26° $\text{II}^{\circ}07'49''$	
	-12672 Nov 09 j 11:19	0° II°			-12671 Sep 30 j 00:44	0° 8°	
evening rise	-12672 Nov 10 j 12:08	2° $\text{II}^{\circ}05'06''$		morning set	-12671 Oct 05 j 01:00	8° $\text{8}^{\circ}19'09''$	
asc. node	-12672 Nov 19 j 11:46	18° $\text{II}^{\circ}58'10''$		max. Earth dist.	-12671 Oct 09 j 07:10	15° $\text{8}^{\circ}41'26''$	1.38995 AU
	-12672 Nov 27 j 18:06	0° 8°					
evening max el	-12672 Nov 27 j 23:22	0° $\text{8}^{\circ}12'35''$	19°36'51	superior conj	-12671 Oct 16 j 12:40	28° $\text{8}^{\circ}53'20''$	-1°32'20
retrograde	-12672 Dec 07 j 10:48	4° $\text{8}^{\circ}40'56''$		minimum elong	-12671 Oct 16 j 10:53	28° $\text{8}^{\circ}44'53''$	1°31'33
evening set	-12672 Dec 10 j 00:06	4° $\text{8}^{\circ}22'56''$			-12671 Oct 17 j 02:48	0° 8°	
inferior conj	-12672 Dec 18 j 08:34	0° $\text{8}^{\circ}15'35''$	3°59'17	evening rise	-12671 Oct 25 j 10:24	16° $\text{8}^{\circ}05'30''$	
minimum elong	-12672 Dec 18 j 12:18	0° $\text{8}^{\circ}09'33''$	3°58'50		-12671 Nov 01 j 20:27	0° II°	
	-12672 Dec 18 j 18:11	30° $\text{R}^{\circ}8''$		asc. node	-12671 Nov 06 j 09:07	7° $\text{II}^{\circ}12'06''$	
min. Earth dist.	-12672 Dec 20 j 21:24	28° $\text{II}^{\circ}37'37''$	0.56709 AU	evening max el	-12671 Nov 10 j 21:21	12° $\text{II}^{\circ}36'24''$	18°46'42
morning rise	-12672 Dec 26 j 22:23	25° $\text{II}^{\circ}32'39''$		retrograde	-12671 Nov 19 j 01:49	16° $\text{II}^{\circ}34'18''$	
direct	-12672 Dec 31 j 14:35	24° $\text{II}^{\circ}43'13''$		evening set	-12671 Nov 21 j 13:20	16° $\text{II}^{\circ}13'55''$	
desc. node	-12671 Jan 06 j 19:58	26° $\text{II}^{\circ}11'52''$		inferior conj	-12671 Nov 29 j 09:18	11° $\text{II}^{\circ}48'14''$	4°17'19
	-12671 Jan 12 j 13:55	0° 8°		minimum elong	-12671 Nov 29 j 09:14	11° $\text{II}^{\circ}48'21''$	4°17'35
morning max el	-12671 Jan 14 j 10:46	1° $\text{8}^{\circ}40'59''$	24°23'38	min. Earth dist.	-12671 Dec 02 j 12:19	9° $\text{II}^{\circ}30'04''$	0.58276 AU
	-12671 Feb 02 j 22:07	0° II°		morning rise	-12671 Dec 07 j 03:14	6° $\text{II}^{\circ}42'31''$	
morning set	-12671 Feb 08 j 15:57	11° $\text{II}^{\circ}33'06''$		direct	-12671 Dec 13 j 01:37	5° $\text{II}^{\circ}17'17''$	
asc. node	-12671 Feb 15 j 09:00	25° $\text{II}^{\circ}57'26''$		desc. node	-12671 Dec 24 j 16:32	10° $\text{II}^{\circ}21'29''$	
				morning max el	-12671 Dec 27 j 02:03	12° $\text{II}^{\circ}29'30''$	25°51'49
superior conj	-12671 Feb 15 j 16:14	26° $\text{II}^{\circ}36'31''$	0°02'51		-12670 Jan 09 j 18:51	0° 8°	
minimum elong	-12671 Feb 15 j 16:09	26° $\text{II}^{\circ}36'01''$	0°02'09	morning set	-12670 Jan 24 j 04:00	26° $\text{8}^{\circ}36'54''$	
behind sun begin	-12671 Feb 15 j 11:04	26° $\text{II}^{\circ}08'35''$			-12670 Jan 25 j 18:24	0° II°	
behind sun end	-12671 Feb 15 j 21:14	27° $\text{II}^{\circ}03'26''$					
	-12671 Feb 17 j 06:05	0° 8°		superior conj	-12670 Jan 31 j 03:04	11° $\text{II}^{\circ}37'22''$	-0°19'56
max. Earth dist.	-12671 Feb 17 j 06:27	0° $\text{8}^{\circ}01'58''$	1.33341 AU	minimum elong	-12670 Jan 31 j 03:52	11° $\text{II}^{\circ}41'48''$	0°20'18
evening rise	-12671 Feb 23 j 03:25	12° $\text{8}^{\circ}17'38''$		max. Earth dist.	-12670 Jan 31 j 18:09	12° $\text{II}^{\circ}59'37''$	1.32905 AU
	-12671 Mar 04 j 12:41	0° 8°		asc. node	-12670 Feb 02 j 06:17	16° $\text{II}^{\circ}15'52''$	
	-12671 Mar 25 j 11:30	0° 8°		evening rise	-12670 Feb 07 j 07:46	26° $\text{II}^{\circ}59'33''$	
evening max el	-12671 Mar 27 j 20:19	2° $\text{8}^{\circ}25'18''$	27°26'00		-12670 Feb 08 j 19:08	0° 8°	
desc. node	-12671 Apr 04 j 20:46	8° $\text{8}^{\circ}27'17''$			-12670 Feb 26 j 01:31	0° 8°	
retrograde	-12671 Apr 10 j 18:03	9° $\text{8}^{\circ}59'56''$		evening max el	-12670 Mar 10 j 01:26	14° $\text{8}^{\circ}36'59''$	26°59'04
evening set	-12671 Apr 17 j 14:38	7° $\text{8}^{\circ}37'27''$		desc. node	-12670 Mar 22 j 17:51	21° $\text{8}^{\circ}59'49''$	
min. Earth dist.	-12671 Apr 21 j 07:28	4° $\text{8}^{\circ}32'14''$	0.62435 AU	retrograde	-12670 Mar 24 j 03:21	22° $\text{8}^{\circ}04'57''$	
inferior conj	-12671 Apr 24 j 05:32	1° $\text{8}^{\circ}39'25''$	-3°20'39	evening set	-12670 Mar 30 j 14:11	20° $\text{8}^{\circ}12'14''$	
minimum elong	-12671 Apr 24 j 04:56	1° $\text{8}^{\circ}40'56''$	3°21'19	min. Earth dist.	-12670 Apr 03 j 14:37	17° $\text{8}^{\circ}20'00''$	0.60495 AU
	-12671 Apr 25 j 22:40	30° $\text{R}^{\circ}8''$		inferior conj	-12670 Apr 06 j 21:25	14° $\text{8}^{\circ}29'54''$	-3°01'55
morning rise	-12671 Apr 30 j 20:37	26° $\text{8}^{\circ}31'36''$		minimum elong	-12670 Apr 06 j 19:06	14° $\text{8}^{\circ}34'57''$	3°02'24
direct	-12671 May 03 j 13:04	25° $\text{8}^{\circ}57'47''$		morning rise	-12670 Apr 14 j 02:18	9° $\text{8}^{\circ}41'37''$	
morning max el	-12671 May 10 j 03:25	29° $\text{8}^{\circ}20'13''$	18°02'40	direct	-12670 Apr 16 j 14:18	9° $\text{8}^{\circ}16'21''$	
	-12671 May 10 j 19:00	0° 8°		morning max el	-12670 Apr 23 j 16:06	12° $\text{8}^{\circ}45'31''$	18°10'15
asc. node	-12671 May 14 j 08:35	4° $\text{8}^{\circ}26'25''$		asc. node	-12670 May 01 j 05:23	22° $\text{8}^{\circ}54'46''$	
morning set	-12671 May 26 j 22:39	25° $\text{8}^{\circ}29'37''$			-12670 May 05 j 07:43	0° 8°	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12670 May 09 j 19:33	8°≈14'20		asc. node	-12669 Apr 18 j 02:15	11°≈358'12	
				morning set	-12669 Apr 23 j 06:44	21°≈344'12	
					-12669 Apr 27 j 13:39	0°≈	
superior conj	-12670 May 20 j 02:48	27°≈02'30	1°48'13				
minimum elong	-12670 May 20 j 01:51	26°≈58'15	1°47'45				
	-12670 May 21 j 19:04	0°≈		superior conj	-12669 May 02 j 11:12	9°≈16'37	1°39'17
max. Earth dist.	-12670 May 27 j 11:30	9°≈45'40	1.41368 AU	minimum elong	-12669 May 02 j 08:30	9°≈04'00	1°38'29
evening rise	-12670 Jun 02 j 09:38	19°≈31'03		max. Earth dist.	-12669 May 09 j 12:48	22°≈04'05	1.39521 AU
	-12670 Jun 09 j 00:52	0°≈		evening rise	-12669 May 13 j 22:08	29°≈37'27	
desc. node	-12670 Jun 18 j 15:05	14°≈23'39			-12669 May 14 j 03:29	0°≈	
	-12670 Jun 30 j 01:12	0°≈			-12669 Jun 02 j 11:02	0°≈	
evening max el	-12670 Jul 05 j 12:05	6°≈13'46	22°20'48	desc. node	-12669 Jun 05 j 12:40	4°≈17'28	
retrograde	-12670 Jul 14 j 22:49	11°≈49'40		evening max el	-12669 Jun 17 j 23:50	19°≈32'41	23°43'08
evening set	-12670 Jul 19 j 13:46	9°≈55'32		retrograde	-12669 Jun 28 j 14:48	25°≈51'16	
inferior conj	-12670 Jul 24 j 19:12	3°≈43'09	-1°03'22	evening set	-12669 Jul 03 j 20:18	23°≈36'03	
minimum elong	-12670 Jul 24 j 20:27	3°≈38'51	1°02'28	min. Earth dist.	-12669 Jul 08 j 16:39	17°≈50'57	0.67189 AU
min. Earth dist.	-12670 Jul 24 j 21:24	3°≈35'33	0.67221 AU	inferior conj	-12669 Jul 09 j 01:28	17°≈20'42	-1°46'11
	-12670 Jul 27 j 14:34	30°≈		minimum elong	-12669 Jul 09 j 03:21	17°≈14'12	1°45'21
asc. node	-12670 Jul 28 j 06:45	29°≈12'48		morning rise	-12669 Jul 14 j 10:22	11°≈08'20	
morning rise	-12670 Jul 30 j 03:02	27°≈24'31		asc. node	-12669 Jul 15 j 03:29	10°≈38'10	
direct	-12670 Aug 03 j 16:49	25°≈33'04		direct	-12669 Jul 18 j 12:08	9°≈34'44	
	-12670 Aug 11 j 23:31	0°≈		morning max el	-12669 Jul 27 j 02:06	14°≈41'55	21°12'26
morning max el	-12670 Aug 13 j 09:05	1°≈22'27	22°31'48		-12669 Aug 08 j 00:27	0°≈	
	-12670 Sep 03 j 19:01	0°≈		morning set	-12669 Aug 26 j 02:56	27°≈17'19	
desc. node	-12670 Sep 14 j 11:58	16°≈37'20			-12669 Aug 27 j 20:18	0°≈	
morning set	-12670 Sep 15 j 13:40	18°≈20'57		desc. node	-12669 Sep 01 j 09:10	7°≈14'15	
max. Earth dist.	-12670 Sep 21 j 08:01	27°≈52'30	1.40961 AU	max. Earth dist.	-12669 Sep 03 j 14:22	10°≈50'04	1.42676 AU
	-12670 Sep 22 j 14:05	0°≈					
superior conj	-12670 Sep 28 j 22:13	11°≈04'01	-1°18'01	superior conj	-12669 Sep 10 j 08:17	22°≈03'27	-0°51'52
minimum elong	-12670 Sep 28 j 18:45	10°≈48'32	1°16'55	minimum elong	-12669 Sep 10 j 04:22	21°≈46'53	0°50'38
evening rise	-12670 Oct 08 j 23:25	29°≈35'11			-12669 Sep 14 j 23:06	0°≈	
	-12670 Oct 09 j 04:43	0°≈		evening rise	-12669 Sep 21 j 23:20	12°≈24'44	
asc. node	-12670 Oct 24 j 06:24	24°≈32'41			-12669 Oct 02 j 03:05	0°≈	
evening max el	-12670 Oct 25 j 03:24	25°≈27'07	18°16'50	evening max el	-12669 Oct 08 j 14:48	8°≈37'39	18°06'49
retrograde	-12670 Nov 01 j 10:35	29°≈07'16		asc. node	-12669 Oct 11 j 03:37	10°≈45'02	
evening set	-12670 Nov 03 j 21:46	28°≈43'05		retrograde	-12669 Oct 15 j 09:47	12°≈10'41	
inferior conj	-12670 Nov 11 j 05:10	23°≈55'41	4°04'21	evening set	-12669 Oct 17 j 22:35	11°≈40'55	
minimum elong	-12670 Nov 11 j 02:20	24°≈01'43	4°04'31	inferior conj	-12669 Oct 24 j 18:06	6°≈32'52	3°31'21
min. Earth dist.	-12670 Nov 14 j 08:21	21°≈15'51	0.60093 AU	minimum elong	-12669 Oct 24 j 14:15	6°≈42'13	3°31'11
morning rise	-12670 Nov 18 j 05:24	18°≈29'19		min. Earth dist.	-12669 Oct 27 j 12:59	3°≈50'33	0.61893 AU
direct	-12670 Nov 24 j 23:04	16°≈28'20		morning rise	-12669 Oct 31 j 04:43	0°≈48'27	
morning max el	-12670 Dec 08 j 22:43	23°≈49'02	26°57'10		-12669 Nov 01 j 11:16	30°≈	
desc. node	-12670 Dec 11 j 13:04	26°≈28'06		direct	-12669 Nov 07 j 05:43	28°≈20'46	
	-12670 Dec 14 j 14:53	0°≈			-12669 Nov 13 j 08:59	0°≈	
	-12669 Jan 02 j 18:35	0°≈		morning max el	-12669 Nov 21 j 02:01	5°≈48'52	27°30'20
morning set	-12669 Jan 08 j 13:52	11°≈33'52		desc. node	-12669 Nov 28 j 09:40	14°≈00'33	
					-12669 Dec 09 j 11:26	0°≈	
superior conj	-12669 Jan 15 j 14:56	26°≈41'14	-0°41'11	morning set	-12669 Dec 23 j 19:33	26°≈16'46	
minimum elong	-12669 Jan 15 j 16:26	26°≈49'29	0°41'16		-12669 Dec 25 j 14:47	0°≈	
max. Earth dist.	-12669 Jan 15 j 07:41	26°≈01'38	1.32791 AU	max. Earth dist.	-12669 Dec 29 j 19:12	8°≈54'19	1.33012 AU
	-12669 Jan 17 j 03:19	0°≈					
asc. node	-12669 Jan 20 j 03:38	6°≈31'55		superior conj	-12669 Dec 31 j 02:13	11°≈42'17	-1°00'15
evening rise	-12669 Jan 22 j 16:15	11°≈53'05		minimum elong	-12669 Dec 31 j 04:08	11°≈52'43	1°00'06
	-12669 Feb 01 j 00:59	0°≈		evening rise	-12668 Jan 07 j 02:59	26°≈51'30	
evening max el	-12669 Feb 20 j 00:54	26°≈10'50	26°00'56	asc. node	-12668 Jan 07 j 01:02	26°≈41'15	
	-12669 Feb 24 j 15:32	0°≈			-12668 Jan 08 j 15:14	0°≈	
retrograde	-12669 Mar 06 j 03:17	3°≈27'18			-12668 Jan 26 j 08:15	0°≈	
desc. node	-12669 Mar 09 j 14:51	2°≈57'17		evening max el	-12668 Feb 01 j 19:28	7°≈14'36	24°39'12
evening set	-12669 Mar 11 j 19:03	2°≈08'47		retrograde	-12668 Feb 15 j 16:10	14°≈10'46	
	-12669 Mar 15 j 12:43	30°≈		evening set	-12668 Feb 20 j 06:45	13°≈22'32	
min. Earth dist.	-12669 Mar 16 j 14:13	29°≈15'28	0.58539 AU	desc. node	-12668 Feb 24 j 11:43	11°≈24'10	
inferior conj	-12669 Mar 19 j 20:11	26°≈49'56	-2°18'24	min. Earth dist.	-12668 Feb 26 j 09:02	10°≈15'12	0.56857 AU
minimum elong	-12669 Mar 19 j 16:48	26°≈56'19	2°18'27	inferior conj	-12668 Feb 28 j 23:28	8°≈33'35	-1°06'08
morning rise	-12669 Mar 27 j 17:40	22°≈21'30		minimum elong	-12668 Feb 28 j 21:05	8°≈37'28	1°06'11
direct	-12669 Mar 30 j 01:10	22°≈03'23		morning rise	-12668 Mar 08 j 14:36	4°≈21'56	
morning max el	-12669 Apr 07 j 00:47	25°≈53'05	18°37'04	direct	-12668 Mar 10 j 18:20	4°≈08'48	
	-12669 Apr 10 j 15:11	0°≈		morning max el	-12668 Mar 20 j 02:30	8°≈34'10	19°23'28
					-12668 Apr 03 j 04:53	0°≈	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12668 Apr 03 j 23:14	1° Z 28'51				-12667 Mar 10 j 06:19	0° X	
morning set	-12668 Apr 06 j 04:16	5° Z 49'49		morning set		-12667 Mar 21 j 08:59	20° X 21'32	
				asc. node		-12667 Mar 21 j 20:18	21° X 19'11	
superior conj	-12668 Apr 14 j 13:04	22° Z 26'24	1°23'06			-12667 Mar 26 j 01:39	0° Z	
minimum elong	-12668 Apr 14 j 10:00	22° Z 11'27	1°22'01					
	-12668 Apr 18 j 11:41	0° \approx		superior conj		-12667 Mar 29 j 03:33	6° Z 17'30	1°02'36
max. Earth dist.	-12668 Apr 20 j 13:10	3° \approx 50'40	1.37678 AU	minimum elong		-12667 Mar 29 j 00:58	6° Z 04'24	1°01'25
evening rise	-12668 Apr 24 j 13:33	11° \approx 06'25		max. Earth dist.		-12667 Apr 02 j 19:17	15° Z 32'28	1.36042 AU
	-12668 May 05 j 20:48	0° X		evening rise		-12667 Apr 07 j 02:48	23° Z 43'49	
desc. node	-12668 May 22 j 10:11	23° X 43'48				-12667 Apr 10 j 13:40	0° \approx	
	-12668 May 27 j 16:06	0° Y				-12667 Apr 29 j 11:19	0° X	
evening max el	-12668 May 30 j 09:22	2° Y 52'32	25°03'22	desc. node		-12667 May 09 j 07:38	12° X 31'24	
retrograde	-12668 Jun 11 j 03:05	9° Y 47'48		evening max el		-12667 May 12 j 19:23	16° X 13'51	26°12'53
evening set	-12668 Jun 16 j 23:02	7° Y 14'46		retrograde		-12667 May 25 j 10:51	23° X 33'39	
min. Earth dist.	-12668 Jun 21 j 09:36	2° Y 07'28	0.66822 AU	evening set		-12667 May 31 j 19:42	20° X 49'26	
inferior conj	-12668 Jun 22 j 06:18	0° Y 58'35	-2°23'14	min. Earth dist.		-12667 Jun 04 j 21:56	16° X 21'22	0.66088 AU
minimum elong	-12668 Jun 22 j 08:30	0° Y 51'15	2°22'40	inferior conj		-12667 Jun 06 j 07:46	14° X 34'43	-2°53'05
	-12668 Jun 22 j 24:00	30° R X		minimum elong		-12667 Jun 06 j 09:51	14° X 28'07	2°52'54
morning rise	-12668 Jun 27 j 17:59	24° X 55'36		morning rise		-12667 Jun 12 j 00:07	8° X 44'02	
direct	-12668 Jul 01 j 09:34	23° X 38'18		direct		-12667 Jun 15 j 07:26	7° X 41'05	
asc. node	-12668 Jul 01 j 00:13	23° X 39'10		asc. node		-12667 Jun 17 j 20:58	8° X 16'50	
morning max el	-12668 Jul 09 j 01:22	28° X 07'09	20°03'05	morning max el		-12667 Jun 22 j 06:50	11° X 38'41	19°07'38
	-12668 Jul 10 j 18:31	0° Y				-12667 Jul 05 j 11:44	0° Y	
	-12668 Jul 31 j 12:46	0° Z		morning set		-12667 Jul 14 j 19:18	14° Y 44'44	
morning set	-12668 Aug 04 j 06:14	5° Z 47'14				-12667 Jul 24 j 10:20	0° Z	
max. Earth dist.	-12668 Aug 16 j 02:05	24° Z 24'54	1.43914 AU	max. Earth dist.		-12667 Jul 29 j 17:36	8° Z 23'23	1.44525 AU
desc. node	-12668 Aug 18 j 06:28	27° Z 54'54						
	-12668 Aug 19 j 13:29	0° II		superior conj		-12667 Jul 30 j 21:53	10° Z 15'24	0°30'37
superior conj	-12668 Aug 20 j 14:50	1° II 42'38	-0°13'59	minimum elong		-12667 Jul 31 j 01:32	10° Z 29'50	0°30'42
minimum elong	-12668 Aug 20 j 13:25	1° II 36'52	0°13'07	desc. node		-12667 Aug 05 j 03:51	18° Z 36'05	
behind sun begin	-12668 Aug 20 j 07:01	1° II 10'57				-12667 Aug 12 j 06:11	0° II	
behind sun end	-12668 Aug 20 j 19:48	2° II 02'48		evening rise		-12667 Aug 15 j 10:48	5° II 10'36	
evening rise	-12668 Sep 03 j 05:03	24° II 21'26				-12667 Aug 31 j 05:31	0° Z	
	-12668 Sep 06 j 12:31	0° Z		evening max el		-12667 Sep 04 j 17:40	5° Z 30'47	18°42'18
evening max el	-12668 Sep 21 j 04:32	22° Z 00'52	18°15'40	retrograde		-12667 Sep 11 j 11:16	9° Z 16'19	
asc. node	-12668 Sep 27 j 00:47	25° Z 32'44		asc. node		-12667 Sep 13 j 21:52	8° Z 42'50	
retrograde	-12668 Sep 27 j 19:16	25° Z 35'51		evening set		-12667 Sep 14 j 10:20	8° Z 27'10	
evening set	-12668 Sep 30 j 12:00	24° Z 57'58		inferior conj		-12667 Sep 20 j 09:46	2° Z 45'39	1°56'38
inferior conj	-12668 Oct 06 j 20:43	19° Z 31'45	2°46'51	minimum elong		-12667 Sep 20 j 07:06	2° Z 53'34	1°56'31
minimum elong	-12668 Oct 06 j 17:08	19° Z 41'30	2°46'33	min. Earth dist.		-12667 Sep 22 j 03:58	0° Z 40'02	0.64860 AU
min. Earth dist.	-12668 Oct 09 j 03:40	17° Z 02'32	0.63513 AU			-12667 Sep 22 j 17:47	30° R II	
morning rise	-12668 Oct 12 j 21:24	13° Z 32'34		morning rise		-12667 Sep 26 j 03:17	26° II 35'19	
direct	-12668 Oct 19 j 20:12	10° Z 51'11		direct		-12667 Oct 02 j 17:19	23° II 52'58	
morning max el	-12668 Nov 02 j 09:57	18° Z 23'22	27°28'50			-12667 Oct 14 j 09:27	0° Z	
	-12668 Nov 12 j 09:02	0° O		morning max el		-12667 Oct 15 j 19:57	1° Z 22'05	26°55'51
desc. node	-12668 Nov 14 j 06:17	2° O 33'52		desc. node		-12667 Nov 01 j 03:00	21° Z 50'32	
	-12668 Dec 01 j 05:46	0° O				-12667 Nov 06 j 10:35	0° O	
morning set	-12668 Dec 06 j 18:27	10° O 35'46		morning set		-12667 Nov 20 j 07:26	24° O 20'51	
max. Earth dist.	-12668 Dec 12 j 00:51	21° O 23'57	1.33613 AU			-12667 Nov 23 j 04:51	0° O	
				max. Earth dist.		-12667 Nov 24 j 21:27	3° O 23'37	1.34634 AU
superior conj	-12668 Dec 14 j 11:04	26° O 33'03	-1°16'20	superior conj		-12667 Nov 28 j 15:28	11° O 06'45	-1°28'31
minimum elong	-12668 Dec 14 j 13:02	26° O 43'36	1°16'03	minimum elong		-12667 Nov 28 j 17:02	11° O 14'59	1°28'08
	-12668 Dec 16 j 01:39	0° O		evening rise		-12667 Dec 06 j 00:19	26° O 36'03	
evening rise	-12668 Dec 21 j 14:13	11° O 47'39				-12667 Dec 07 j 15:58	0° O	
asc. node	-12668 Dec 23 j 22:28	16° O 38'09		asc. node		-12667 Dec 10 j 19:53	6° O 16'40	
	-12668 Dec 31 j 00:38	0° O		evening max el		-12667 Dec 26 j 10:22	29° O 09'08	21°34'11
evening max el	-12667 Jan 13 j 12:51	18° O 06'20	23°05'55			-12667 Dec 27 j 09:00	0° O	
retrograde	-12667 Jan 26 j 16:37	24° O 28'12		retrograde		-12666 Jan 07 j 07:43	4° O 45'44	
evening set	-12667 Jan 30 j 07:16	23° O 59'43		evening set		-12666 Jan 10 j 06:50	4° O 25'57	
min. Earth dist.	-12667 Feb 07 j 01:09	20° O 26'40	0.55763 AU	inferior conj		-12666 Jan 19 j 06:40	0° O 24'52	2°12'12
inferior conj	-12667 Feb 08 j 08:25	19° O 40'37	0°30'33	minimum elong		-12666 Jan 19 j 11:46	0° O 17'36	2°10'21
minimum elong	-12667 Feb 08 j 09:41	19° O 38'46	0°29'33	min. Earth dist.		-12666 Jan 19 j 15:20	0° O 12'29	0.55483 AU
desc. node	-12667 Feb 10 j 08:30	18° O 30'56				-12666 Jan 20 j 00:06	30° R O	
morning rise	-12667 Feb 17 j 13:49	15° O 36'45		desc. node		-12666 Jan 28 j 05:13	26° O 21'03	
direct	-12667 Feb 19 j 18:49	15° O 24'51		morning rise		-12666 Jan 28 j 16:16	26° O 15'01	
morning max el	-12667 Mar 02 j 18:15	20° O 38'22	20°29'23	direct		-12666 Jan 31 j 10:35	25° O 57'55	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12666 Feb 10 j 14:41	0°♌		desc. node	-12665 Jan 15 j 01:51	6°♊29'00	
morning max el	-12666 Feb 12 j 22:26	2°♌01'13	21°52'58	morning max el	-12665 Jan 25 j 16:58	12°♊51'55	23°28'11
	-12666 Mar 03 j 05:14	0°♌			-12665 Feb 07 j 15:35	0°♌	
morning set	-12666 Mar 05 j 18:19	5°♌11'30		morning set	-12665 Feb 18 j 06:11	20°♌12'48	
asc. node	-12666 Mar 08 j 17:25	11°♌23'28			-12665 Feb 22 j 20:32	0°♌	
				asc. node	-12665 Feb 23 j 14:36	1°♌37'02	
superior conj	-12666 Mar 13 j 02:59	20°♌38'52	0°39'51				
minimum elong	-12666 Mar 13 j 01:18	20°♌30'02	0°38'45	superior conj	-12665 Feb 25 j 08:34	5°♌21'58	0°16'19
max. Earth dist.	-12666 Mar 16 j 11:25	27°♌33'54	1.34722 AU	minimum elong	-12665 Feb 25 j 07:54	5°♌18'23	0°15'27
	-12666 Mar 17 j 16:18	0°♌		behind sun begin	-12665 Feb 25 j 06:52	5°♌12'50	
evening rise	-12666 Mar 21 j 08:11	7°♌12'43		behind sun end	-12665 Feb 25 j 08:56	5°♌23'56	
	-12666 Apr 03 j 04:52	0°♌		max. Earth dist.	-12665 Feb 27 j 13:20	10°♌02'16	1.33746 AU
evening max el	-12666 Apr 25 j 06:19	29°♌29'52	27°03'00	evening rise	-12665 Mar 05 j 01:07	21°♌18'57	
	-12666 Apr 25 j 18:44	0°♌			-12665 Mar 09 j 13:06	0°♌	
desc. node	-12666 Apr 26 j 05:00	0°♌24'21			-12665 Mar 28 j 02:40	0°♌	
retrograde	-12666 May 08 j 13:17	7°♌01'48		evening max el	-12665 Apr 07 j 16:38	12°♌29'31	27°26'28
evening set	-12666 May 15 j 07:43	4°♌16'09		desc. node	-12665 Apr 13 j 02:15	17°♌00'43	
min. Earth dist.	-12666 May 19 j 03:25	0°♌25'50	0.64968 AU	retrograde	-12665 Apr 21 j 09:52	20°♌04'51	
	-12666 May 19 j 12:24	30°♌		evening set	-12665 Apr 28 j 08:08	17°♌30'00	
inferior conj	-12666 May 21 j 03:34	28°♌05'24	-3°13'47	min. Earth dist.	-12665 May 02 j 00:24	14°♌11'33	0.63459 AU
minimum elong	-12666 May 21 j 05:03	28°♌01'05	3°14'02	inferior conj	-12665 May 04 j 15:06	11°♌26'17	-3°22'32
morning rise	-12666 May 27 j 02:45	22°♌29'43		minimum elong	-12665 May 04 j 15:24	11°♌25'30	3°23'08
direct	-12666 May 30 j 03:29	21°♌39'15		morning rise	-12665 May 10 j 23:37	6°♌07'58	
asc. node	-12666 Jun 04 j 17:42	24°♌18'32		direct	-12665 May 13 j 18:55	5°♌28'27	
morning max el	-12666 Jun 05 j 17:14	25°♌14'39	18°28'27	morning max el	-12665 May 20 j 06:36	8°♌52'03	18°06'53
	-12666 Jun 09 j 16:20	0°♌		asc. node	-12665 May 22 j 14:26	11°♌28'51	
morning set	-12666 Jun 25 j 07:04	24°♌44'44			-12665 Jun 03 j 09:41	0°♌	
	-12666 Jun 28 j 11:43	0°♌		morning set	-12665 Jun 06 j 19:58	5°♌55'16	
superior conj	-12666 Jul 09 j 22:32	18°♌30'35	1°11'17	superior conj	-12665 Jun 19 j 14:40	27°♌32'09	1°38'07
minimum elong	-12666 Jul 10 j 05:07	18°♌56'52	1°10'55	minimum elong	-12665 Jun 19 j 19:17	27°♌51'09	1°37'49
max. Earth dist.	-12666 Jul 12 j 10:15	22°♌28'07	1.44440 AU		-12665 Jun 21 j 02:44	0°♌	
	-12666 Jul 17 j 04:31	0°♌		max. Earth dist.	-12665 Jun 25 j 00:43	6°♌20'53	1.43673 AU
desc. node	-12666 Jul 23 j 01:19	9°♌14'07		evening rise	-12665 Jul 05 j 17:17	23°♌13'45	
evening rise	-12666 Jul 26 j 12:56	14°♌42'32		desc. node	-12665 Jul 09 j 22:48	29°♌45'57	
greatest brilliancy	-12666 Aug 05 j 03:35	29°♌43'15	-0.8m		-12665 Jul 10 j 02:28	0°♌	
	-12666 Aug 05 j 07:56	0°♌			-12665 Jul 31 j 00:58	0°♌	
evening max el	-12666 Aug 19 j 03:18	19°♌01'18	19°25'36	evening max el	-12665 Aug 02 j 07:09	2°♌29'10	20°24'05
retrograde	-12666 Aug 26 j 06:49	23°♌06'33		retrograde	-12665 Aug 10 j 03:33	7°♌03'42	
evening set	-12666 Aug 29 j 14:28	22°♌02'47		evening set	-12665 Aug 13 j 21:54	5°♌42'08	
asc. node	-12666 Aug 31 j 18:51	20°♌14'24		asc. node	-12665 Aug 18 j 15:46	0°♌33'18	
inferior conj	-12666 Sep 04 j 06:19	16°♌08'49	1°04'24	inferior conj	-12665 Aug 19 j 08:06	29°♌38'45	0°12'43
minimum elong	-12666 Sep 04 j 04:51	16°♌13'33	1°04'38	minimum elong	-12665 Aug 19 j 07:48	29°♌39'45	0°13'18
min. Earth dist.	-12666 Sep 05 j 12:23	14°♌32'48	0.65902 AU	transit middle	-12665 Aug 19 j 07:48	29°♌39'45	0°13'18
morning rise	-12666 Sep 09 j 18:53	9°♌51'07		transit begin	-12665 Aug 19 j 06:12	29°♌45'07	
direct	-12666 Sep 15 j 20:16	7°♌17'27		transit end	-12665 Aug 19 j 09:24	29°♌34'22	
morning max el	-12666 Sep 28 j 06:11	14°♌33'14	25°57'50		-12665 Aug 19 j 01:46	30°♌	
	-12666 Oct 11 j 00:20	0°♌		min. Earth dist.	-12665 Aug 20 j 02:58	28°♌35'26	0.66644 AU
desc. node	-12666 Oct 18 j 23:46	11°♌37'20		morning rise	-12665 Aug 24 j 17:31	23°♌17'28	
	-12666 Oct 30 j 04:31	0°♌		direct	-12665 Aug 30 j 04:43	20°♌58'22	
morning set	-12666 Nov 03 j 06:24	7°♌19'19		morning max el	-12665 Sep 10 j 16:07	27°♌48'51	24°42'52
max. Earth dist.	-12666 Nov 07 j 07:33	14°♌56'17	1.36075 AU		-12665 Sep 12 j 17:53	0°♌	
					-12665 Oct 04 j 17:38	0°♌	
superior conj	-12666 Nov 12 j 12:49	25°♌14'34	-1°35'34	desc. node	-12665 Oct 05 j 20:37	1°♌45'34	
minimum elong	-12666 Nov 12 j 13:29	25°♌17'54	1°35'06	morning set	-12665 Oct 16 j 10:21	19°♌17'49	
	-12666 Nov 14 j 20:56	0°♌		max. Earth dist.	-12665 Oct 20 j 09:16	26°♌21'15	1.37866 AU
evening rise	-12666 Nov 20 j 07:31	11°♌10'41			-12665 Oct 22 j 08:51	0°♌	
asc. node	-12666 Nov 27 j 17:16	25°♌29'41					
	-12666 Nov 30 j 09:12	0°♌		superior conj	-12665 Oct 26 j 23:50	8°♌46'40	-1°35'56
evening max el	-12666 Dec 08 j 16:18	10°♌39'42	20°14'33	minimum elong	-12665 Oct 26 j 23:03	8°♌42'51	1°35'18
retrograde	-12666 Dec 19 j 00:25	15°♌31'02		evening rise	-12665 Nov 04 j 09:44	25°♌25'29	
evening set	-12666 Dec 21 j 16:04	15°♌13'16			-12665 Nov 06 j 17:26	0°♌	
inferior conj	-12666 Dec 30 j 07:06	11°♌12'03	3°31'12	asc. node	-12665 Nov 14 j 14:38	14°♌08'21	
minimum elong	-12666 Dec 30 j 12:28	11°♌03'55	3°30'02	evening max el	-12665 Nov 21 j 08:31	22°♌44'24	19°12'59
min. Earth dist.	-12665 Jan 01 j 04:19	10°♌03'41	0.56051 AU	retrograde	-12665 Nov 30 j 05:54	26°♌58'47	
morning rise	-12665 Jan 08 j 07:10	6°♌43'16		evening set	-12665 Dec 02 j 18:07	26°♌40'00	
direct	-12665 Jan 12 j 04:27	6°♌09'57		inferior conj	-12665 Dec 10 j 21:17	22°♌25'18	4°11'28

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12665 Dec 10 j 23:24	22° \mathbb{M} 21'40	4°11'26	evening set	-12664 Nov 13 j 15:45	8° \mathbb{M} 48'33	
min. Earth dist.	-12665 Dec 13 j 17:56	20° \mathbb{M} 28'24	0.57320 AU	inferior conj	-12664 Nov 21 j 06:21	4° \mathbb{M} 14'01	4°15'00
morning rise	-12665 Dec 19 j 02:38	17° \mathbb{M} 32'18		minimum elong	-12664 Nov 21 j 04:54	4° \mathbb{M} 16'52	4°15'16
direct	-12665 Dec 24 j 08:19	16° \mathbb{M} 28'45		min. Earth dist.	-12664 Nov 24 j 10:57	1° \mathbb{M} 43'53	0.59025 AU
desc. node	-12664 Jan 01 j 22:27	19° \mathbb{M} 16'23			-12664 Nov 26 j 22:11	30° \mathbb{R} 0	
morning max el	-12664 Jan 07 j 07:42	23° \mathbb{M} 33'57	25°03'14	morning rise	-12664 Nov 28 j 16:14	28° \mathbb{J} 58'53	
	-12664 Jan 13 j 03:04	0° \mathbb{L}		direct	-12664 Dec 05 j 00:14	27° \mathbb{J} 17'38	
	-12664 Jan 31 j 05:05	0° \mathbb{M}			-12664 Dec 13 j 07:06	0° \mathbb{M}	
morning set	-12664 Feb 02 j 18:41	5° \mathbb{M} 17'54		desc. node	-12664 Dec 18 j 19:00	4° \mathbb{M} 20'26	
				morning max el	-12664 Dec 19 j 01:04	4° \mathbb{M} 34'50	26°23'07
superior conj	-12664 Feb 09 j 18:02	20° \mathbb{M} 18'34	-0°06'59		-12663 Jan 06 j 16:04	0° \mathbb{L}	
minimum elong	-12664 Feb 09 j 18:21	20° \mathbb{M} 20'15	0°07'32	morning set	-12663 Jan 17 j 06:04	20° \mathbb{L} 20'18	
behind sun begin	-12664 Feb 09 j 13:52	19° \mathbb{M} 55'57			-12663 Jan 21 j 18:28	0° \mathbb{M}	
behind sun end	-12664 Feb 09 j 22:49	20° \mathbb{M} 44'33					
asc. node	-12664 Feb 10 j 11:50	21° \mathbb{M} 55'03		superior conj	-12663 Jan 24 j 05:33	5° \mathbb{M} 22'15	-0°29'10
max. Earth dist.	-12664 Feb 10 j 22:22	22° \mathbb{M} 51'58	1.33112 AU	minimum elong	-12663 Jan 24 j 06:41	5° \mathbb{M} 28'28	0°29'24
	-12664 Feb 14 j 06:29	0° \mathbb{X}		max. Earth dist.	-12663 Jan 24 j 11:10	5° \mathbb{M} 52'54	1.32811 AU
evening rise	-12664 Feb 17 j 02:04	5° \mathbb{X} 50'30		asc. node	-12663 Jan 27 j 09:10	12° \mathbb{M} 13'29	
	-12664 Mar 01 j 04:27	0° \mathbb{Z}		evening rise	-12663 Jan 31 j 08:27	20° \mathbb{M} 38'45	
evening max el	-12664 Mar 20 j 00:03	25° \mathbb{Z} 00'30	27°18'27		-12663 Feb 05 j 00:25	0° \mathbb{X}	
	-12664 Mar 26 j 05:16	0° \mathbb{A}			-12663 Feb 23 j 20:09	0° \mathbb{Z}	
desc. node	-12664 Mar 29 j 23:26	1° \mathbb{A} 50'10		evening max el	-12663 Mar 02 j 02:45	6° \mathbb{Z} 56'07	26°37'48
retrograde	-12664 Apr 02 j 23:53	2° \mathbb{A} 33'22		retrograde	-12663 Mar 16 j 05:49	14° \mathbb{Z} 20'44	
evening set	-12664 Apr 09 j 17:38	0° \mathbb{A} 22'04		desc. node	-12663 Mar 16 j 20:30	14° \mathbb{Z} 19'45	
	-12664 Apr 10 j 06:54	30° \mathbb{R} 3		evening set	-12663 Mar 22 j 09:25	12° \mathbb{Z} 42'26	
min. Earth dist.	-12664 Apr 13 j 12:20	27° \mathbb{Z} 24'26	0.61630 AU	min. Earth dist.	-12663 Mar 26 j 16:14	9° \mathbb{Z} 51'15	0.59650 AU
inferior conj	-12664 Apr 16 j 15:09	24° \mathbb{Z} 29'53	-3°15'20	inferior conj	-12663 Mar 30 j 00:11	7° \mathbb{Z} 08'40	-2°46'49
minimum elong	-12664 Apr 16 j 13:48	24° \mathbb{Z} 33'02	3°15'59	minimum elong	-12663 Mar 29 j 21:16	7° \mathbb{Z} 14'41	2°47'08
morning rise	-12664 Apr 23 j 11:47	19° \mathbb{Z} 30'37		morning rise	-12663 Apr 06 j 11:52	2° \mathbb{Z} 29'01	
direct	-12664 Apr 26 j 02:19	19° \mathbb{Z} 00'39		direct	-12663 Apr 08 j 21:46	2° \mathbb{Z} 07'09	
morning max el	-12664 May 02 j 20:22	22° \mathbb{Z} 24'12	18°03'38	morning max el	-12663 Apr 16 j 07:46	5° \mathbb{Z} 43'32	18°19'13
asc. node	-12664 May 08 j 11:12	29° \mathbb{Z} 32'14		asc. node	-12663 Apr 25 j 08:02	18° \mathbb{Z} 16'48	
	-12664 May 08 j 18:30	0° \mathbb{A}			-12663 May 01 j 18:25	0° \mathbb{A}	
morning set	-12664 May 19 j 06:31	18° \mathbb{A} 08'18		morning set	-12663 May 02 j 10:00	1° \mathbb{A} 13'21	
	-12664 May 25 j 21:09	0° \mathbb{H}					
superior conj	-12664 May 30 j 09:02	7° \mathbb{H} 51'14	1°48'35	superior conj	-12663 May 12 j 04:55	19° \mathbb{A} 26'54	1°45'32
minimum elong	-12664 May 30 j 09:50	7° \mathbb{H} 54'43	1°48'16	minimum elong	-12663 May 12 j 03:01	19° \mathbb{A} 18'16	1°44'56
max. Earth dist.	-12664 Jun 06 j 09:53	19° \mathbb{H} 42'39	1.42326 AU		-12663 May 18 j 03:54	0° \mathbb{H}	
	-12664 Jun 12 j 18:28	0° \mathbb{Y}		max. Earth dist.	-12663 May 19 j 13:07	2° \mathbb{H} 22'48	1.40599 AU
evening rise	-12664 Jun 13 j 19:09	1° \mathbb{Y} 37'50		evening rise	-12663 May 24 j 16:04	10° \mathbb{H} 58'06	
desc. node	-12664 Jun 25 j 20:21	20° \mathbb{Y} 07'25			-12663 Jun 05 j 18:29	0° \mathbb{Y}	
	-12664 Jul 02 j 15:16	0° \mathbb{B}		desc. node	-12663 Jun 12 j 17:56	10° \mathbb{Y} 13'20	
evening max el	-12664 Jul 15 j 03:59	15° \mathbb{B} 52'40	21°35'31	evening max el	-12663 Jun 27 j 18:27	29° \mathbb{Y} 12'48	22°55'39
retrograde	-12664 Jul 23 j 23:37	21° \mathbb{B} 05'06			-12663 Jun 28 j 13:34	0° \mathbb{B}	
evening set	-12664 Jul 28 j 06:31	19° \mathbb{B} 23'19		retrograde	-12663 Jul 07 j 17:23	5° \mathbb{B} 07'33	
inferior conj	-12664 Aug 02 j 13:04	13° \mathbb{B} 13'22	-0°36'36	evening set	-12663 Jul 12 j 14:21	3° \mathbb{B} 04'30	
minimum elong	-12664 Aug 02 j 13:49	13° \mathbb{B} 10'47	0°35'46		-12663 Jul 15 j 10:59	30° \mathbb{R} Y	
min. Earth dist.	-12664 Aug 02 j 21:21	12° \mathbb{B} 44'50	0.67090 AU	inferior conj	-12663 Jul 17 j 19:23	26° \mathbb{Y} 50'34	-1°22'10
asc. node	-12664 Aug 04 j 12:36	10° \mathbb{B} 32'40		minimum elong	-12663 Jul 17 j 20:57	26° \mathbb{Y} 45'11	1°21'16
morning rise	-12664 Aug 07 j 21:00	6° \mathbb{B} 52'28		min. Earth dist.	-12663 Jul 17 j 17:03	26° \mathbb{Y} 58'39	0.67242 AU
direct	-12664 Aug 12 j 18:15	4° \mathbb{B} 50'40		asc. node	-12663 Jul 22 j 09:22	21° \mathbb{Y} 13'19	
morning max el	-12664 Aug 23 j 02:50	11° \mathbb{B} 04'56	23°19'50	morning rise	-12663 Jul 23 j 03:27	20° \mathbb{Y} 33'54	
	-12664 Sep 07 j 01:48	0° \mathbb{I}		direct	-12663 Jul 27 j 11:54	18° \mathbb{Y} 50'03	
desc. node	-12664 Sep 21 j 17:35	22° \mathbb{I} 08'58		morning max el	-12663 Aug 05 j 16:41	24° \mathbb{Y} 21'44	21°57'02
morning set	-12664 Sep 26 j 14:17	0° \mathbb{O} 4'23			-12663 Aug 10 j 14:14	0° \mathbb{B}	
	-12664 Sep 26 j 13:13	0° \mathbb{O}			-12663 Aug 31 j 13:06	0° \mathbb{I}	
max. Earth dist.	-12664 Oct 01 j 08:12	8° \mathbb{O} 07'12	1.39834 AU	morning set	-12663 Sep 06 j 16:02	9° \mathbb{I} 35'17	
				desc. node	-12663 Sep 08 j 14:40	12° \mathbb{I} 42'03	
superior conj	-12664 Oct 08 j 20:14	21° \mathbb{O} 31'26	-1°27'37	max. Earth dist.	-12663 Sep 13 j 10:33	20° \mathbb{I} 35'53	1.41730 AU
minimum elong	-12664 Oct 08 j 17:40	21° \mathbb{O} 19'39	1°26'41		-12663 Sep 18 j 23:52	0° \mathbb{O}	
	-12664 Oct 13 j 08:47	0° \mathbb{J}		superior conj	-12663 Sep 20 j 20:29	3° \mathbb{O} 13'43	-1°08'27
evening rise	-12664 Oct 18 j 04:31	9° \mathbb{J} 14'13		minimum elong	-12663 Sep 20 j 16:35	2° \mathbb{O} 56'41	1°07'15
	-12664 Oct 30 j 00:06	0° \mathbb{M}		evening rise	-12663 Oct 01 j 12:30	22° \mathbb{O} 27'53	
asc. node	-12664 Oct 31 j 11:58	2° \mathbb{M} 01'49			-12663 Oct 05 j 15:24	0° \mathbb{J}	
evening max el	-12664 Nov 03 j 10:16	5° \mathbb{M} 21'07	18°31'36	evening max el	-12663 Oct 17 j 19:03	18° \mathbb{J} 21'34	18°10'18
retrograde	-12664 Nov 11 j 04:45	9° \mathbb{M} 10'13		asc. node	-12663 Oct 18 j 09:16	18° \mathbb{J} 55'33	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12663 Oct 24 j 19:53	21° Ω 57'08				-12662 Oct 16 j 13:55	30° $\mathfrak{R}\mathfrak{E}$	
evening set	-12663 Oct 27 j 07:34	21° Ω 30'49			inferior conj	-12662 Oct 17 j 04:58	29° \mathfrak{E} 21'41	3°13'26
inferior conj	-12663 Nov 03 j 09:49	16° Ω 34'43	3°52'13		minimum elong	-12662 Oct 17 j 01:07	29° \mathfrak{E} 31'32	3°13'11
minimum elong	-12663 Nov 03 j 06:22	16° Ω 42'32	3°52'14		min. Earth dist.	-12662 Oct 19 j 18:56	26° \mathfrak{E} 43'38	0.62620 AU
min. Earth dist.	-12663 Nov 06 j 10:22	13° Ω 51'27	0.60873 AU		morning rise	-12662 Oct 23 j 11:00	23° \mathfrak{E} 30'52	
morning rise	-12663 Nov 10 j 03:47	11° Ω 00'32			direct	-12662 Oct 30 j 12:11	20° \mathfrak{E} 55'51	
direct	-12663 Nov 17 j 02:10	8° Ω 46'21			morning max el	-12662 Nov 13 j 05:47	28° \mathfrak{E} 25'16	27°33'49
morning max el	-12663 Dec 01 j 00:23	16° Ω 10'28	27°15'26			-12662 Nov 14 j 19:34	0° Ω	
desc. node	-12663 Dec 05 j 15:33	21° Ω 06'48			desc. node	-12662 Nov 22 j 12:10	9° Ω 07'26	
	-12663 Dec 12 j 12:04	0° \mathfrak{M}				-12662 Dec 06 j 04:35	0° \mathfrak{M}	
	-12663 Dec 30 j 00:57	0° \mathfrak{E}			morning set	-12662 Dec 16 j 17:30	19° \mathfrak{M} 45'11	
morning set	-12662 Jan 01 j 14:24	5° \mathfrak{E} 11'54				-12662 Dec 21 j 15:43	0° \mathfrak{E}	
max. Earth dist.	-12662 Jan 08 j 00:08	18° \mathfrak{E} 51'36	1.32841 AU		max. Earth dist.	-12662 Dec 22 j 09:39	1° \mathfrak{E} 35'49	1.33225 AU
superior conj	-12662 Jan 08 j 17:23	20° \mathfrak{E} 25'41	-0°49'35		superior conj	-12662 Dec 24 j 03:50	5° \mathfrak{E} 22'46	-1°07'29
minimum elong	-12662 Jan 08 j 19:07	20° \mathfrak{E} 35'06	0°49'33		minimum elong	-12662 Dec 24 j 05:50	5° \mathfrak{E} 33'32	1°07'17
	-12662 Jan 13 j 03:02	0° \mathfrak{M}			evening rise	-12662 Dec 31 j 05:15	20° \mathfrak{E} 33'14	
asc. node	-12662 Jan 14 j 06:34	2° \mathfrak{M} 27'22			asc. node	-12661 Jan 01 j 03:59	22° \mathfrak{E} 31'58	
evening rise	-12662 Jan 15 j 18:06	5° \mathfrak{M} 35'10				-12661 Jan 04 j 20:56	0° \mathfrak{M}	
	-12662 Jan 28 j 20:19	0° \mathfrak{J}			evening max el	-12661 Jan 24 j 17:40	29° \mathfrak{M} 12'11	24°00'06
evening max el	-12662 Feb 12 j 00:06	18° \mathfrak{J} 16'24	25°28'31			-12661 Jan 25 j 14:30	0° \mathfrak{J}	
retrograde	-12662 Feb 26 j 01:18	25° \mathfrak{J} 25'12			retrograde	-12661 Feb 07 j 08:21	5° \mathfrak{J} 54'45	
evening set	-12662 Mar 03 j 06:32	24° \mathfrak{J} 20'56			evening set	-12661 Feb 11 j 12:18	5° \mathfrak{J} 16'20	
desc. node	-12662 Mar 03 j 17:26	24° \mathfrak{J} 09'30			min. Earth dist.	-12661 Feb 18 j 06:57	1° \mathfrak{J} 59'52	0.56306 AU
min. Earth dist.	-12662 Mar 08 j 13:45	21° \mathfrak{J} 22'52	0.57772 AU		desc. node	-12661 Feb 18 j 14:17	1° \mathfrak{J} 48'39	
inferior conj	-12662 Mar 11 j 14:52	19° \mathfrak{J} 14'15	-1°51'21		inferior conj	-12661 Feb 20 j 09:49	0° \mathfrak{J} 41'13	-0°27'19
minimum elong	-12662 Mar 11 j 11:35	19° \mathfrak{J} 20'05	1°51'17		minimum elong	-12661 Feb 20 j 08:43	0° \mathfrak{J} 42'56	0°27'39
morning rise	-12662 Mar 19 j 19:51	14° \mathfrak{J} 53'12				-12661 Feb 21 j 12:37	30° $\mathfrak{R}\mathfrak{M}$	
direct	-12662 Mar 22 j 01:30	14° \mathfrak{J} 37'31			morning rise	-12661 Mar 01 j 07:46	26° \mathfrak{M} 34'19	
morning max el	-12662 Mar 30 j 13:49	18° \mathfrak{J} 40'59	18°54'18		direct	-12661 Mar 03 j 11:19	26° \mathfrak{M} 22'08	
	-12662 Apr 07 j 23:36	0° \mathfrak{Z}				-12661 Mar 12 j 05:33	0° \mathfrak{J}	
asc. node	-12662 Apr 12 j 04:59	7° \mathfrak{Z} 33'05			morning max el	-12661 Mar 13 j 11:28	1° \mathfrak{J} 06'36	19°49'13
morning set	-12662 Apr 16 j 02:04	15° \mathfrak{Z} 00'03			asc. node	-12661 Mar 30 j 02:00	27° \mathfrak{J} 12'58	
	-12662 Apr 23 j 18:53	0° \mathfrak{A}			morning set	-12661 Mar 31 j 03:02	29° \mathfrak{J} 18'06	
						-12661 Mar 31 j 11:22	0° \mathfrak{Z}	
superior conj	-12662 Apr 24 j 21:24	2° \mathfrak{A} 06'31	1°33'07		superior conj	-12661 Apr 08 j 05:08	15° \mathfrak{Z} 35'23	1°14'48
minimum elong	-12662 Apr 24 j 18:24	1° \mathfrak{A} 52'16	1°32'10		minimum elong	-12661 Apr 08 j 02:12	15° \mathfrak{Z} 20'50	1°13'38
max. Earth dist.	-12662 May 01 j 13:27	14° \mathfrak{A} 26'02	1.38729 AU		max. Earth dist.	-12661 Apr 13 j 16:03	26° \mathfrak{Z} 09'26	1.36949 AU
evening rise	-12662 May 05 j 16:30	21° \mathfrak{A} 41'19				-12661 Apr 15 j 17:26	0° \mathfrak{A}	
	-12662 May 10 j 14:58	0° \mathfrak{H}			evening rise	-12661 Apr 17 j 17:54	3° \mathfrak{A} 41'21	
desc. node	-12662 May 30 j 15:30	29° \mathfrak{H} 56'55				-12661 May 03 j 15:01	0° \mathfrak{H}	
	-12662 May 30 j 16:26	0° \mathfrak{Y}			desc. node	-12661 May 17 j 13:00	19° \mathfrak{H} 08'35	
evening max el	-12662 Jun 10 j 05:06	12° \mathfrak{Y} 33'01	24°18'06		evening max el	-12661 May 23 j 14:41	25° \mathfrak{H} 54'13	25°34'45
retrograde	-12662 Jun 21 j 07:48	19° \mathfrak{Y} 07'47				-12661 May 28 j 07:18	0° \mathfrak{Y}	
evening set	-12662 Jun 26 j 19:30	16° \mathfrak{Y} 44'40			retrograde	-12661 Jun 04 j 18:02	3° \mathfrak{Y} 00'47	
min. Earth dist.	-12662 Jul 01 j 11:38	11° \mathfrak{Y} 15'17	0.67077 AU		evening set	-12661 Jun 10 j 19:55	0° \mathfrak{Y} 21'53	
inferior conj	-12662 Jul 02 j 01:17	10° \mathfrak{Y} 28'56	-2°02'42			-12661 Jun 11 j 05:30	30° $\mathfrak{R}\mathfrak{H}$	
minimum elong	-12662 Jul 02 j 03:21	10° \mathfrak{Y} 21'54	2°01'57		min. Earth dist.	-12661 Jun 15 j 02:46	25° \mathfrak{H} 31'30	0.66563 AU
morning rise	-12662 Jul 07 j 11:09	4° \mathfrak{Y} 20'07			inferior conj	-12661 Jun 16 j 04:54	24° \mathfrak{H} 06'19	-2°36'54
asc. node	-12662 Jul 09 j 06:06	3° \mathfrak{Y} 18'21			minimum elong	-12661 Jun 16 j 07:07	23° \mathfrak{H} 59'06	2°36'28
direct	-12662 Jul 11 j 08:28	2° \mathfrak{Y} 53'27			morning rise	-12661 Jun 21 j 18:22	18° \mathfrak{H} 08'26	
morning max el	-12662 Jul 19 j 12:09	7° \mathfrak{Y} 43'18	20°41'24		direct	-12661 Jun 25 j 06:17	16° \mathfrak{H} 57'26	
	-12662 Aug 05 j 00:30	0° \mathfrak{B}			asc. node	-12661 Jun 26 j 02:49	17° \mathfrak{H} 01'31	
morning set	-12662 Aug 16 j 22:45	18° \mathfrak{B} 14'00			morning max el	-12661 Jul 02 j 14:10	21° \mathfrak{H} 11'28	19°37'39
	-12662 Aug 24 j 09:48	0° \mathfrak{I}				-12661 Jul 09 j 14:21	0° \mathfrak{Y}	
desc. node	-12662 Aug 26 j 11:55	3° \mathfrak{I} 21'11			morning set	-12661 Jul 27 j 03:58	26° \mathfrak{Y} 49'52	
max. Earth dist.	-12662 Aug 26 j 19:34	3° \mathfrak{I} 52'05	1.43277 AU			-12661 Jul 29 j 04:32	0° \mathfrak{B}	
					max. Earth dist.	-12661 Aug 09 j 09:45	17° \mathfrak{B} 41'04	1.44264 AU
superior conj	-12662 Sep 01 j 19:08	13° \mathfrak{I} 39'57	-0°37'05		superior conj	-12661 Aug 12 j 14:21	22° \mathfrak{B} 46'37	0°04'42
minimum elong	-12662 Sep 01 j 15:51	13° \mathfrak{I} 26'19	0°35'56		minimum elong	-12661 Aug 12 j 14:57	22° \mathfrak{B} 49'02	0°05'15
	-12662 Sep 11 j 09:24	0° \mathfrak{E}			behind sun begin	-12661 Aug 12 j 04:26	22° \mathfrak{B} 06'55	
evening rise	-12662 Sep 14 j 05:21	4° \mathfrak{E} 56'44			behind sun end	-12661 Aug 13 j 01:28	23° \mathfrak{B} 31'13	
	-12662 Sep 29 j 19:58	0° Ω			desc. node	-12661 Aug 13 j 09:15	24° \mathfrak{B} 02'23	
evening max el	-12662 Oct 01 j 07:52	1° Ω 38'32	18°08'19			-12661 Aug 17 j 01:54	0° \mathfrak{I}	
asc. node	-12662 Oct 05 j 06:27	4° Ω 34'00			evening rise	-12661 Aug 27 j 01:32	16° \mathfrak{I} 26'33	
retrograde	-12662 Oct 07 j 23:54	5° Ω 11'00						
evening set	-12662 Oct 10 j 14:14	4° Ω 37'58						

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12661 Sep 04 j 05:26	0°☿		retrograde	-12660 Sep 04 j 06:37	2°☿28'27	
evening max el	-12661 Sep 14 j 21:37	15°☿04'56	18°24'50	evening set	-12660 Sep 07 j 08:58	1°☿33'37	
retrograde	-12661 Sep 21 j 12:41	18°☿43'30		asc. node	-12660 Sep 08 j 00:34	1°☿08'31	
asc. node	-12661 Sep 22 j 03:32	18°☿41'25			-12660 Sep 09 j 10:11	30°♊	
evening set	-12661 Sep 24 j 07:52	18°☿01'09		inferior conj	-12660 Sep 13 j 04:57	25°♊46'19	1°34'33
inferior conj	-12661 Sep 30 j 12:23	12°☿27'42	2°25'58	minimum elong	-12660 Sep 13 j 02:46	25°♊53'00	1°34'34
minimum elong	-12661 Sep 30 j 09:09	12°☿36'54	2°25'43	min. Earth dist.	-12660 Sep 14 j 17:53	23°♊52'37	0.65335 AU
min. Earth dist.	-12661 Oct 02 j 13:45	10°☿07'51	0.64122 AU	morning rise	-12660 Sep 18 j 20:05	19°♊32'05	
morning rise	-12661 Oct 06 j 09:43	6°☿23'16		direct	-12660 Sep 25 j 04:54	16°♊52'28	
direct	-12661 Oct 13 j 05:16	3°☿40'28		morning max el	-12660 Oct 08 j 01:31	24°♊18'12	26°33'48
morning max el	-12661 Oct 26 j 15:04	11°☿12'08	27°18'25		-12660 Oct 13 j 06:46	0°☿	
desc. node	-12661 Nov 09 j 08:51	28°☿01'04		desc. node	-12660 Oct 26 j 05:33	17°☿31'46	
	-12661 Nov 10 j 17:44	0°♋			-12660 Nov 03 j 02:19	0°♋	
	-12661 Nov 28 j 12:50	0°♌		morning set	-12660 Nov 12 j 20:13	17°♋18'41	
morning set	-12661 Nov 30 j 12:38	3°♌51'26		max. Earth dist.	-12660 Nov 17 j 04:14	25°♋41'58	1.35190 AU
max. Earth dist.	-12661 Dec 05 j 12:04	13°♌54'42	1.33996 AU		-12660 Nov 19 j 07:44	0°♌	
superior conj	-12661 Dec 08 j 11:04	20°♌07'17	-1°22'02	superior conj	-12660 Nov 21 j 12:47	4°♌31'00	-1°32'14
minimum elong	-12661 Dec 08 j 12:56	20°♌17'11	1°21'44	minimum elong	-12660 Nov 21 j 14:02	4°♌37'29	1°31'50
	-12661 Dec 13 j 02:16	0°♍		evening rise	-12660 Nov 29 j 01:17	20°♌10'26	
evening rise	-12661 Dec 15 j 16:13	5°♍27'12			-12660 Dec 03 j 23:18	0°♍	
asc. node	-12661 Dec 19 j 01:23	12°♍22'05		asc. node	-12660 Dec 04 j 22:47	1°♍50'53	
	-12661 Dec 29 j 03:27	0°♎		evening max el	-12660 Dec 18 j 12:36	21°♍18'50	20°58'26
evening max el	-12660 Jan 06 j 12:00	10°♎05'41	22°25'56	retrograde	-12660 Dec 29 j 18:49	26°♍36'08	
retrograde	-12660 Jan 19 j 04:10	16°♎09'42		evening set	-12659 Jan 01 j 13:43	26°♍17'55	
evening set	-12660 Jan 22 j 11:11	15°♎45'51		inferior conj	-12659 Jan 10 j 10:26	22°♍18'47	2°49'53
min. Earth dist.	-12660 Jan 30 j 21:56	11°♎57'38	0.55533 AU	minimum elong	-12659 Jan 10 j 16:11	22°♍10'25	2°48'09
inferior conj	-12660 Jan 31 j 12:52	11°♎36'09	1°14'46	min. Earth dist.	-12659 Jan 11 j 11:45	21°♍42'01	0.55617 AU
minimum elong	-12660 Jan 31 j 15:59	11°♎31'41	1°13'15	morning rise	-12659 Jan 19 j 17:32	18°♍01'48	
desc. node	-12660 Feb 05 j 11:03	8°♎58'57		desc. node	-12659 Jan 22 j 07:44	17°♍40'22	
morning rise	-12660 Feb 09 j 21:43	7°♎32'06		direct	-12659 Jan 22 j 21:36	17°♍39'37	
direct	-12660 Feb 12 j 06:29	7°♎19'05		morning max el	-12659 Feb 04 j 22:12	24°♍01'55	22°32'38
morning max el	-12660 Feb 23 j 22:25	12°♎53'50	21°03'09		-12659 Feb 10 j 05:35	0°♎	
	-12660 Mar 07 j 05:08	0°♏		morning set	-12659 Feb 26 j 20:37	28°♎54'35	
morning set	-12660 Mar 14 j 10:00	13°♏59'08			-12659 Feb 27 j 09:10	0°♏	
asc. node	-12660 Mar 15 j 23:06	17°♏10'25		asc. node	-12659 Mar 02 j 20:14	7°♏19'15	
superior conj	-12660 Mar 21 j 23:52	29°♏41'21	0°53'08	superior conj	-12659 Mar 06 j 02:13	14°♏13'09	0°29'54
minimum elong	-12660 Mar 21 j 21:38	29°♏29'52	0°51'58	minimum elong	-12659 Mar 06 j 00:58	14°♏06'29	0°28'54
	-12660 Mar 22 j 03:30	0°♐		max. Earth dist.	-12659 Mar 08 j 22:16	20°♏09'02	1.34259 AU
max. Earth dist.	-12660 Mar 26 j 02:08	7°♐57'50	1.35432 AU		-12659 Mar 13 j 19:27	0°♐	
evening rise	-12660 Mar 30 j 14:39	16°♐42'53		evening rise	-12659 Mar 14 j 01:25	0°♐29'15	
	-12660 Apr 06 j 23:31	0°♑			-12659 Mar 31 j 00:17	0°♑	
	-12660 Apr 26 j 22:31	0°♒		evening max el	-12659 Apr 17 j 11:44	22°♑24'07	27°16'36
desc. node	-12660 May 03 j 10:24	7°♒35'27		desc. node	-12659 Apr 20 j 07:44	24°♑59'03	
evening max el	-12660 May 05 j 00:56	9°♒13'57	26°36'54	retrograde	-12659 Apr 30 j 23:58	29°♑59'19	
retrograde	-12660 May 17 j 23:40	16°♒40'41		evening set	-12659 May 07 j 20:46	27°♑16'33	
evening set	-12660 May 24 j 13:15	13°♒54'06		min. Earth dist.	-12659 May 11 j 14:24	23°♑40'45	0.64366 AU
min. Earth dist.	-12660 May 28 j 12:18	9°♒42'47	0.65665 AU	inferior conj	-12659 May 13 j 20:53	21°♑08'03	-3°19'12
inferior conj	-12660 May 30 j 04:14	7°♒40'42	-3°03'09	minimum elong	-12659 May 13 j 21:55	21°♑05'06	3°19'37
minimum elong	-12660 May 30 j 06:08	7°♒34'52	3°03'09	morning rise	-12659 May 19 j 23:43	15°♑39'31	
morning rise	-12660 Jun 04 j 23:15	1°♒56'22		direct	-12659 May 22 j 21:53	14°♑54'04	
direct	-12660 Jun 08 j 03:32	0°♒59'06		morning max el	-12659 May 29 j 10:00	18°♑23'31	18°17'04
asc. node	-12660 Jun 11 j 23:34	2°♒17'03		asc. node	-12659 May 29 j 20:18	18°♑50'00	
morning max el	-12660 Jun 14 j 22:02	4°♒45'59	18°48'53		-12659 Jun 06 j 23:04	0°♒	
	-12660 Jul 02 j 05:38	0°♓		morning set	-12659 Jun 17 j 00:25	16°♒42'02	
morning set	-12660 Jul 06 j 01:45	6°♓11'30			-12659 Jun 25 j 00:04	0°♓	
	-12660 Jul 20 j 23:43	0°♔					
superior conj	-12660 Jul 21 j 15:51	1°♔03'53	0°49'05	superior conj	-12659 Jun 30 j 21:00	9°♓33'31	1°24'41
minimum elong	-12660 Jul 21 j 21:20	1°♔25'32	0°48'54	minimum elong	-12659 Jul 01 j 03:15	9°♓58'44	1°24'19
max. Earth dist.	-12660 Jul 22 j 02:03	1°♔44'11	1.44576 AU	max. Earth dist.	-12659 Jul 04 j 17:38	15°♓44'37	1.44189 AU
	-12660 Jul 30 j 06:38	14°♔42'32			-12659 Jul 13 j 18:28	0°♔	
desc. node	-12660 Jul 30 j 06:38	14°♔42'32		evening rise	-12659 Jul 17 j 10:59	5°♔45'35	
evening rise	-12660 Aug 06 j 19:37	26°♔43'18		desc. node	-12659 Jul 17 j 04:05	5°♔18'42	
	-12660 Aug 08 j 20:50	0°♕		greatest brilliancy	-12659 Jul 29 j 12:57	24°♔22'09	-0.7m
evening max el	-12660 Aug 28 j 09:28	28°♕35'13	18°58'44		-12659 Aug 02 j 08:00	0°♕	
	-12660 Aug 29 j 21:23	0°☿		evening max el	-12659 Aug 11 j 16:55	12°♕05'44	19°48'45

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12659 Aug 19 j 02:56	16° Π 22'26		desc. node	-12658 Jul 04 j 01:38	25° Υ 46'51	
evening set	-12659 Aug 22 j 14:47	15° Π 11'40			-12658 Jul 06 j 20:44	0° \mathcal{B}	
asc. node	-12659 Aug 25 j 21:31	12° Π 05'11		evening max el	-12658 Jul 25 j 17:58	25° \mathcal{B} 32'30	20°53'09
inferior conj	-12659 Aug 28 j 04:01	9° Π 13'33	0°42'20		-12658 Jul 31 j 21:58	0° Π	
minimum elong	-12659 Aug 28 j 03:03	9° Π 16'43	0°42'42	retrograde	-12658 Aug 02 j 23:27	0° Π 21'50	
min. Earth dist.	-12659 Aug 29 j 05:20	7° Π 50'48	0.66253 AU		-12658 Aug 04 j 22:56	30° \mathcal{R} \mathcal{B}	
morning rise	-12659 Sep 02 j 15:01	2° Π 53'41		evening set	-12658 Aug 06 j 22:58	28° \mathcal{B} 51'56	
direct	-12659 Sep 08 j 10:30	0° Π 25'22		inferior conj	-12658 Aug 12 j 07:24	22° \mathcal{B} 45'43	-0°08'33
morning max el	-12659 Sep 20 j 11:32	7° Π 32'28	25°27'26	minimum elong	-12658 Aug 12 j 07:33	22° \mathcal{B} 45'09	0°07'51
	-12659 Oct 08 j 03:24	0° \mathcal{E}		transit middle	-12658 Aug 12 j 07:33	22° \mathcal{B} 45'09	0°07'51
desc. node	-12659 Oct 13 j 02:19	7° \mathcal{E} 28'56		transit begin	-12658 Aug 12 j 05:10	22° \mathcal{B} 53'17	
morning set	-12659 Oct 26 j 11:46	29° \mathcal{E} 53'59		transit end	-12658 Aug 12 j 09:57	22° \mathcal{B} 37'01	
	-12659 Oct 26 j 13:06	0° Ω		asc. node	-12658 Aug 12 j 18:24	22° \mathcal{B} 08'18	
max. Earth dist.	-12659 Oct 30 j 09:52	7° Ω 06'45	1.36798 AU	min. Earth dist.	-12658 Aug 12 j 21:46	21° \mathcal{B} 56'51	0.66875 AU
				morning rise	-12658 Aug 17 j 15:59	16° \mathcal{B} 24'18	
superior conj	-12659 Nov 05 j 06:13	18° Ω 25'31	-1°36'41	direct	-12658 Aug 22 j 21:19	14° \mathcal{B} 12'08	
minimum elong	-12659 Nov 05 j 06:19	18° Ω 26'03	1°36'08	morning max el	-12658 Sep 02 j 21:21	20° \mathcal{B} 47'46	24°07'59
	-12659 Nov 10 j 23:55	0° \mathcal{M}			-12658 Sep 10 j 19:04	0° Π	
evening rise	-12659 Nov 13 j 06:38	4° \mathcal{M} 37'32		desc. node	-12658 Sep 29 j 23:12	27° Π 44'15	
asc. node	-12659 Nov 21 j 20:08	20° \mathcal{M} 50'38			-12658 Oct 01 j 09:14	0° \mathcal{E}	
	-12659 Nov 28 j 02:23	0° \mathcal{L}		morning set	-12658 Oct 08 j 06:00	11° \mathcal{E} 22'45	
evening max el	-12659 Nov 30 j 23:00	3° \mathcal{L} 04'37	19°46'02	max. Earth dist.	-12658 Oct 12 j 09:26	18° \mathcal{E} 36'34	1.38703 AU
retrograde	-12659 Dec 10 j 15:33	7° \mathcal{L} 38'21			-12658 Oct 18 j 14:37	0° Ω	
evening set	-12659 Dec 13 j 05:24	7° \mathcal{L} 20'28					
inferior conj	-12659 Dec 21 j 15:39	3° \mathcal{L} 15'09	3°53'12	superior conj	-12658 Oct 19 j 11:38	1° Ω 39'20	-1°33'37
minimum elong	-12659 Dec 21 j 19:53	3° \mathcal{L} 08'25	3°52'35	minimum elong	-12658 Oct 19 j 10:06	1° Ω 32'05	1°32'51
min. Earth dist.	-12659 Dec 24 j 00:59	1° \mathcal{L} 44'30	0.56522 AU	evening rise	-12658 Oct 28 j 06:01	18° Ω 41'57	
	-12659 Dec 27 j 01:41	30° \mathcal{R} \mathcal{M}			-12658 Nov 03 j 04:18	0° \mathcal{M}	
morning rise	-12659 Dec 30 j 08:20	28° \mathcal{M} 35'58		asc. node	-12658 Nov 08 j 17:29	9° \mathcal{M} 11'23	
direct	-12658 Jan 03 j 19:42	27° \mathcal{M} 51'03		evening max el	-12658 Nov 13 j 19:31	15° \mathcal{M} 23'33	18°52'51
desc. node	-12658 Jan 09 j 04:22	28° \mathcal{M} 56'52		retrograde	-12658 Nov 22 j 04:01	19° \mathcal{M} 25'19	
	-12658 Jan 11 j 08:38	0° \mathcal{L}		evening set	-12658 Nov 24 j 15:43	19° \mathcal{M} 05'21	
morning max el	-12658 Jan 17 j 14:10	4° \mathcal{L} 45'10	24°09'21	inferior conj	-12658 Dec 02 j 13:32	14° \mathcal{M} 42'34	4°16'54
	-12658 Feb 04 j 08:11	0° \mathcal{M}		minimum elong	-12658 Dec 02 j 14:01	14° \mathcal{M} 41'41	4°17'06
morning set	-12658 Feb 11 j 08:56	13° \mathcal{M} 57'53		min. Earth dist.	-12658 Dec 05 j 15:21	12° \mathcal{M} 29'26	0.58019 AU
asc. node	-12658 Feb 17 j 17:26	27° \mathcal{M} 35'02		morning rise	-12658 Dec 10 j 10:24	9° \mathcal{M} 40'10	
				direct	-12658 Dec 16 j 04:44	8° \mathcal{M} 20'45	
superior conj	-12658 Feb 18 j 09:41	29° \mathcal{M} 02'35	0°06'22	desc. node	-12658 Dec 27 j 00:56	12° \mathcal{M} 46'05	
minimum elong	-12658 Feb 18 j 09:27	29° \mathcal{M} 01'18	0°05'38	morning max el	-12658 Dec 30 j 05:05	15° \mathcal{M} 31'10	25°39'54
behind sun begin	-12658 Feb 18 j 04:37	28° \mathcal{M} 35'16			-12657 Jan 10 j 21:42	0° \mathcal{L}	
behind sun end	-12658 Feb 18 j 14:17	29° \mathcal{M} 27'20		morning set	-12657 Jan 26 j 21:12	29° \mathcal{L} 02'42	
	-12658 Feb 18 j 20:21	0° \mathcal{J}			-12657 Jan 27 j 08:06	0° \mathcal{M}	
max. Earth dist.	-12658 Feb 20 j 03:31	2° \mathcal{J} 46'54	1.33440 AU				
evening rise	-12658 Feb 25 j 22:09	14° \mathcal{J} 47'33		superior conj	-12657 Feb 02 j 20:14	14° \mathcal{M} 02'55	-0°16'34
	-12658 Mar 05 j 22:11	0° \mathcal{B}		minimum elong	-12657 Feb 02 j 20:56	14° \mathcal{M} 06'40	0°16'59
	-12658 Mar 26 j 00:46	0° \approx		max. Earth dist.	-12657 Feb 03 j 14:47	15° \mathcal{M} 43'48	1.32949 AU
evening max el	-12658 Mar 30 j 21:16	5° \approx 13'16	27°27'11	asc. node	-12657 Feb 04 j 14:43	17° \mathcal{M} 53'45	
desc. node	-12658 Apr 07 j 04:59	10° \approx 53'52		evening rise	-12657 Feb 10 j 01:43	29° \mathcal{M} 27'29	
retrograde	-12658 Apr 13 j 17:57	12° \approx 48'01			-12657 Feb 10 j 08:03	0° \mathcal{J}	
evening set	-12658 Apr 20 j 15:13	10° \approx 22'05			-12657 Feb 27 j 03:42	0° \mathcal{B}	
min. Earth dist.	-12658 Apr 24 j 07:44	7° \approx 13'44	0.62707 AU	evening max el	-12657 Mar 13 j 03:07	17° \mathcal{B} 30'44	27°05'07
inferior conj	-12658 Apr 27 j 03:57	4° \approx 22'27	-3°21'46	desc. node	-12657 Mar 25 j 02:08	24° \mathcal{B} 48'14	
minimum elong	-12658 Apr 27 j 03:35	4° \approx 23'22	3°22'26	retrograde	-12657 Mar 27 j 04:27	24° \mathcal{B} 59'52	
	-12658 May 02 j 04:55	30° \mathcal{R} \mathcal{B}		evening set	-12657 Apr 02 j 17:28	23° \mathcal{B} 02'04	
morning rise	-12658 May 03 j 17:13	29° \mathcal{B} 11'46		min. Earth dist.	-12657 Apr 06 j 16:03	20° \mathcal{B} 09'00	0.60795 AU
direct	-12658 May 06 j 10:25	28° \mathcal{B} 36'28		inferior conj	-12657 Apr 09 j 22:07	17° \mathcal{B} 17'04	-3°06'15
	-12658 May 10 j 14:12	0° \approx		minimum elong	-12657 Apr 09 j 20:02	17° \mathcal{B} 21'41	3°06'47
morning max el	-12658 May 12 j 23:46	1° \approx 58'52	18°03'12	morning rise	-12657 Apr 17 j 00:46	12° \mathcal{B} 25'56	
asc. node	-12658 May 16 j 17:04	6° \approx 24'17		direct	-12657 Apr 19 j 13:28	11° \mathcal{B} 59'27	
morning set	-12658 May 29 j 23:06	28° \approx 20'26		morning max el	-12657 Apr 26 j 12:52	15° \mathcal{B} 26'35	18°07'56
	-12658 May 30 j 21:43	0° \mathcal{H}		asc. node	-12657 May 03 j 13:53	24° \mathcal{B} 46'43	
					-12657 May 06 j 16:14	0° \approx	
superior conj	-12658 Jun 10 j 23:43	19° \mathcal{H} 06'00	1°44'28	morning set	-12657 May 12 j 17:30	10° \approx 57'33	
minimum elong	-12658 Jun 11 j 02:43	19° \mathcal{H} 18'33	1°44'12				
max. Earth dist.	-12658 Jun 17 j 05:58	29° \mathcal{H} 25'33	1.43159 AU	superior conj	-12657 May 23 j 05:26	29° \approx 58'58	1°48'42
	-12658 Jun 17 j 14:28	0° \mathcal{Y}		minimum elong	-12657 May 23 j 04:53	29° \approx 56'33	1°48'18
evening rise	-12658 Jun 26 j 11:19	14° \mathcal{Y} 05'29			-12657 May 23 j 05:40	0° \mathcal{H}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12657 May 30 j 13:12	12° H 33'03	1.41627 AU	superior conj	-12656 May 04 j 10:48	12° A 03'52	1°41'12
evening rise	-12657 Jun 05 j 19:21	22° H 47'53		minimum elong	-12656 May 04 j 08:15	11° A 52'05	1°40'27
	-12657 Jun 10 j 08:34	0° Y		max. Earth dist.	-12656 May 11 j 14:50	24° A 56'43	1.39804 AU
desc. node	-12657 Jun 20 j 23:13	16° Y 02'40			-12656 May 14 j 13:19	0° H	
	-12657 Jun 30 j 23:14	0° B		evening rise	-12656 May 16 j 03:42	2° H 41'55	
evening max el	-12657 Jul 08 j 12:00	8° B 54'42	22°08'49		-12656 Jun 02 j 15:19	0° Y	
retrograde	-12657 Jul 17 j 18:38	14° B 24'22		desc. node	-12656 Jun 06 j 20:49	6° Y 00'04	
evening set	-12657 Jul 22 j 07:30	12° B 33'21		evening max el	-12656 Jun 20 j 00:18	22° Y 13'38	23°30'49
inferior conj	-12657 Jul 27 j 13:09	6° B 21'29	-0°56'28	retrograde	-12656 Jun 30 j 11:12	28° Y 26'27	
minimum elong	-12657 Jul 27 j 14:17	6° B 17'36	0°55'35	evening set	-12656 Jul 05 j 14:28	26° Y 14'16	
min. Earth dist.	-12657 Jul 27 j 16:54	6° B 08'32	0.67197 AU	inferior conj	-12656 Jul 10 j 19:31	19° Y 59'07	-1°40'05
asc. node	-12657 Jul 30 j 15:14	2° B 18'11		minimum elong	-12656 Jul 10 j 21:20	19° Y 52'52	1°39'13
morning rise	-12657 Aug 01 j 20:58	0° B 02'13		min. Earth dist.	-12656 Jul 10 j 12:23	20° Y 23'39	0.67209 AU
	-12657 Aug 01 j 22:03	30° R Y		morning rise	-12656 Jul 16 j 04:09	13° Y 45'31	
direct	-12657 Aug 06 j 12:38	28° Y 08'11		asc. node	-12656 Jul 16 j 12:00	13° Y 30'47	
	-12657 Aug 11 j 15:59	0° B		direct	-12656 Jul 20 j 07:32	12° Y 09'22	
morning max el	-12657 Aug 16 j 09:08	4° B 04'01	22°44'11	morning max el	-12656 Jul 29 j 01:19	17° Y 23'02	21°23'44
	-12657 Sep 05 j 00:57	0° II			-12656 Aug 08 j 03:07	0° B	
desc. node	-12657 Sep 16 j 20:13	18° II 12'18			-12656 Aug 28 j 04:25	0° II	
morning set	-12657 Sep 18 j 22:40	21° II 36'13		morning set	-12656 Aug 28 j 14:53	0° II 41'05	
	-12657 Sep 24 j 00:02	0° B		desc. node	-12656 Sep 02 j 17:23	8° II 48'39	
max. Earth dist.	-12657 Sep 24 j 09:50	0° B 41'32	1.40675 AU	max. Earth dist.	-12656 Sep 05 j 15:03	13° II 31'46	1.42438 AU
superior conj	-12657 Oct 02 j 00:11	13° B 59'26	-1°20'56	superior conj	-12656 Sep 12 j 14:09	25° II 10'51	-0°56'38
minimum elong	-12657 Oct 01 j 20:56	13° B 44'47	1°19'52	minimum elong	-12656 Sep 12 j 10:10	24° II 53'48	0°55'24
	-12657 Oct 10 j 15:36	0° B			-12656 Sep 15 j 09:13	0° B	
evening rise	-12657 Oct 11 j 20:41	2° B 17'07		evening rise	-12656 Sep 23 j 22:54	15° B 13'55	
asc. node	-12657 Oct 26 j 14:48	26° B 41'11			-12656 Oct 02 j 07:52	0° B	
evening max el	-12657 Oct 28 j 00:32	28° B 10'54	18°20'00	evening max el	-12656 Oct 10 j 11:24	11° B 19'40	18°07'07
	-12657 Oct 30 j 03:54	0° B		asc. node	-12656 Oct 12 j 12:03	13° B 05'30	
retrograde	-12657 Nov 04 j 10:23	1° B 53'08		retrograde	-12656 Oct 17 j 07:43	14° B 53'08	
evening set	-12657 Nov 06 j 21:26	1° B 29'41		evening set	-12656 Oct 19 j 20:06	14° B 24'24	
	-12657 Nov 10 j 00:13	30° R B		inferior conj	-12656 Oct 26 j 17:20	9° B 19'27	3°37'15
inferior conj	-12657 Nov 14 j 06:41	26° B 45'33	4°07'54	minimum elong	-12656 Oct 26 j 13:33	9° B 28'30	3°37'08
minimum elong	-12657 Nov 14 j 04:09	26° B 50'51	4°08'05	min. Earth dist.	-12656 Oct 29 j 13:52	6° B 36'14	0.61632 AU
min. Earth dist.	-12657 Nov 17 j 10:30	24° B 07'35	0.59812 AU	morning rise	-12656 Nov 02 j 05:43	3° B 37'31	
morning rise	-12657 Nov 21 j 09:16	21° B 21'55		direct	-12656 Nov 09 j 06:21	1° B 12'47	
direct	-12657 Nov 28 j 00:45	19° B 25'54		morning max el	-12656 Nov 23 j 03:19	8° B 40'13	27°27'34
morning max el	-12657 Dec 12 j 00:56	26° B 45'53	26°49'25	desc. node	-12656 Nov 29 j 18:02	15° B 59'10	
desc. node	-12657 Dec 13 j 21:29	28° B 37'32			-12656 Dec 09 j 16:55	0° B	
	-12657 Dec 15 j 04:07	0° B		morning set	-12656 Dec 25 j 14:00	28° B 47'18	
	-12656 Jan 04 j 05:06	0° B			-12656 Dec 26 j 04:08	0° B	
morning set	-12656 Jan 11 j 07:33	14° B 01'37		max. Earth dist.	-12656 Dec 31 j 16:13	11° B 40'49	1.32956 AU
superior conj	-12656 Jan 18 j 08:05	29° B 07'08	-0°38'05	superior conj	-12655 Jan 01 j 19:34	14° B 09'15	-0°57'31
minimum elong	-12656 Jan 18 j 09:30	29° B 14'54	0°38'13	minimum elong	-12655 Jan 01 j 21:27	14° B 19'28	0°57'25
max. Earth dist.	-12656 Jan 18 j 04:16	28° B 46'19	1.32782 AU	asc. node	-12655 Jan 08 j 09:28	28° B 21'29	
	-12656 Jan 18 j 17:45	0° B		evening rise	-12655 Jan 08 j 20:14	29° B 18'12	
asc. node	-12656 Jan 22 j 12:04	8° B 10'43			-12655 Jan 09 j 04:13	0° B	
evening rise	-12656 Jan 25 j 09:43	14° B 20'00			-12655 Jan 26 j 04:19	0° B	
	-12656 Feb 02 j 09:48	0° B		evening max el	-12655 Feb 03 j 22:29	10° B 17'25	24°52'26
evening max el	-12656 Feb 23 j 03:21	29° B 10'06	26°11'20	retrograde	-12655 Feb 17 j 20:50	17° B 17'29	
	-12656 Feb 24 j 00:44	0° B		evening set	-12655 Feb 22 j 15:08	16° B 25'27	
retrograde	-12656 Mar 08 j 06:04	6° B 29'10		desc. node	-12655 Feb 25 j 20:04	14° B 57'23	
desc. node	-12656 Mar 10 j 23:10	6° B 10'41		min. Earth dist.	-12655 Feb 28 j 12:10	13° B 20'48	0.57079 AU
evening set	-12656 Mar 14 j 01:13	5° B 05'28		inferior conj	-12655 Mar 03 j 05:53	11° B 31'41	-1°18'56
min. Earth dist.	-12656 Mar 18 j 16:40	2° B 13'13	0.58822 AU	minimum elong	-12655 Mar 03 j 03:10	11° B 36'13	1°18'55
inferior conj	-12656 Mar 21 j 23:41	29° B 42'28	-2°26'53	morning rise	-12655 Mar 11 j 18:26	7° B 17'49	
minimum elong	-12656 Mar 21 j 20:21	29° B 48'52	2°26'59	direct	-12655 Mar 13 j 22:29	7° B 04'09	
	-12656 Mar 21 j 14:35	30° R B		morning max el	-12655 Mar 23 j 01:20	11° B 23'32	19°15'14
morning rise	-12656 Mar 29 j 18:34	25° B 11'20			-12655 Apr 04 j 15:15	0° B	
direct	-12656 Apr 01 j 02:41	24° B 52'19		asc. node	-12655 Apr 06 j 07:45	3° B 12'45	
morning max el	-12656 Apr 08 j 22:25	28° B 37'58	18°31'48	morning set	-12655 Apr 08 j 23:00	8° B 22'09	
	-12656 Apr 10 j 06:22	0° B					
asc. node	-12656 Apr 19 j 10:47	13° B 45'44		superior conj	-12655 Apr 17 j 10:21	25° B 06'04	1°25'54
morning set	-12656 Apr 25 j 02:48	24° B 21'26		minimum elong	-12655 Apr 17 j 07:16	24° B 51'09	1°24'50
	-12656 Apr 28 j 01:26	0° A			-12655 Apr 19 j 23:41	0° A	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12655 Apr 23 j 14:44	6° \approx 45'44	1.37947 AU	superior conj	-12654 Mar 31 j 23:12	8° \approx 51'51	1°05'53
evening rise	-12655 Apr 27 j 15:21	13° \approx 59'17		minimum elong	-12654 Mar 31 j 20:31	8° \approx 38'17	1°04'43
	-12655 May 07 j 04:34	0° \approx		max. Earth dist.	-12654 Apr 05 j 19:52	18° \approx 27'43	1.36268 AU
desc. node	-12655 May 24 j 18:22	25° \approx 31'19		evening rise	-12654 Apr 10 j 01:43	26° \approx 27'51	
	-12655 May 28 j 09:00	0° \approx			-12654 Apr 12 j 00:19	0° \approx	
evening max el	-12655 Jun 02 j 10:00	5° \approx 33'23	24°51'57		-12654 Apr 30 j 14:12	0° \approx	
retrograde	-12655 Jun 14 j 00:04	12° \approx 23'50		desc. node	-12654 May 11 j 15:49	14° \approx 25'57	
evening set	-12655 Jun 19 j 17:52	9° \approx 53'18		evening max el	-12654 May 15 j 19:56	18° \approx 55'20	26°03'34
min. Earth dist.	-12655 Jun 24 j 05:52	4° \approx 40'06	0.66897 AU	retrograde	-12654 May 28 j 08:26	26° \approx 11'51	
inferior conj	-12655 Jun 25 j 00:40	3° \approx 37'07	-2°18'07	evening set	-12654 Jun 03 j 15:33	23° \approx 28'50	
minimum elong	-12655 Jun 25 j 02:51	3° \approx 29'48	2°17'29	min. Earth dist.	-12654 Jun 07 j 18:59	18° \approx 54'56	0.66226 AU
	-12655 Jun 27 j 21:10	30° \approx		inferior conj	-12654 Jun 09 j 02:44	17° \approx 13'54	-2°49'09
morning rise	-12655 Jun 30 j 11:49	27° \approx 32'25		minimum elong	-12654 Jun 09 j 04:52	17° \approx 07'04	2°48'54
asc. node	-12655 Jul 03 j 08:44	26° \approx 16'42		morning rise	-12654 Jun 14 j 18:16	11° \approx 21'10	
direct	-12655 Jul 04 j 04:48	26° \approx 12'45		direct	-12654 Jun 18 j 02:45	10° \approx 16'08	
	-12655 Jul 11 j 04:44	0° \approx		asc. node	-12654 Jun 20 j 05:28	10° \approx 40'37	
morning max el	-12655 Jul 11 j 23:32	0° \approx 46'58	20°12'33	morning max el	-12654 Jun 25 j 04:06	14° \approx 17'40	19°14'53
	-12655 Aug 01 j 19:50	0° \approx			-12654 Jul 06 j 17:19	0° \approx	
morning set	-12655 Aug 07 j 18:19	9° \approx 10'55		morning set	-12654 Jul 18 j 04:50	18° \approx 01'25	
max. Earth dist.	-12655 Aug 19 j 01:52	27° \approx 01'15	1.43764 AU		-12654 Jul 25 j 18:44	0° \approx	
desc. node	-12655 Aug 20 j 14:39	29° \approx 28'54		max. Earth dist.	-12654 Aug 01 j 17:12	10° \approx 58'01	1.44483 AU
	-12655 Aug 20 j 22:22	0° \approx					
superior conj	-12655 Aug 24 j 00:49	5° \approx 01'51	-0°20'21	superior conj	-12654 Aug 03 j 10:31	13° \approx 41'52	0°23'52
minimum elong	-12655 Aug 23 j 22:47	4° \approx 53'37	0°19'22	minimum elong	-12654 Aug 03 j 13:23	13° \approx 53'16	0°24'04
evening rise	-12655 Sep 06 j 07:39	27° \approx 19'01		desc. node	-12654 Aug 07 j 12:00	20° \approx 10'07	
	-12655 Sep 07 j 21:09	0° \approx			-12654 Aug 13 j 14:41	0° \approx	
evening max el	-12655 Sep 24 j 00:59	24° \approx 41'28	18°13'14	evening rise	-12654 Aug 18 j 17:14	8° \approx 18'47	
asc. node	-12655 Sep 29 j 09:12	28° \approx 07'00			-12654 Sep 01 j 06:05	0° \approx	
retrograde	-12655 Sep 30 j 15:47	28° \approx 15'25		evening max el	-12654 Sep 07 j 14:21	8° \approx 10'20	18°37'14
evening set	-12655 Oct 03 j 07:51	27° \approx 38'53		retrograde	-12654 Sep 14 j 07:00	11° \approx 53'38	
inferior conj	-12655 Oct 09 j 18:05	22° \approx 15'17	2°54'02	asc. node	-12654 Sep 16 j 06:16	11° \approx 31'59	
minimum elong	-12655 Oct 09 j 14:25	22° \approx 25'08	2°53'46	evening set	-12654 Sep 17 j 05:02	11° \approx 06'18	
min. Earth dist.	-12655 Oct 12 j 02:56	19° \approx 43'21	0.63290 AU	inferior conj	-12654 Sep 23 j 05:43	5° \approx 26'44	2°04'26
morning rise	-12655 Oct 15 j 20:03	16° \approx 18'14		minimum elong	-12654 Sep 23 j 02:54	5° \approx 35'02	2°04'16
direct	-12655 Oct 22 j 19:47	13° \approx 37'58		min. Earth dist.	-12654 Sep 25 j 01:44	3° \approx 17'20	0.64680 AU
morning max el	-12655 Nov 05 j 10:34	21° \approx 09'37	27°31'08		-12654 Sep 28 j 04:47	30° \approx	
	-12655 Nov 13 j 06:31	0° \approx		morning rise	-12654 Sep 29 j 00:09	29° \approx 17'57	
desc. node	-12655 Nov 16 j 14:38	4° \approx 24'28		direct	-12654 Oct 05 j 15:48	26° \approx 35'11	
	-12655 Dec 02 j 16:13	0° \approx			-12654 Oct 14 j 03:02	0° \approx	
morning set	-12655 Dec 09 j 14:04	13° \approx 10'16		morning max el	-12654 Oct 18 j 20:22	4° \approx 04'57	27°02'34
max. Earth dist.	-12655 Dec 14 j 22:55	24° \approx 14'17	1.33501 AU	desc. node	-12654 Nov 03 j 11:18	23° \approx 35'09	
					-12654 Nov 07 j 17:05	0° \approx	
superior conj	-12655 Dec 17 j 04:54	29° \approx 01'57	-1°14'07	morning set	-12654 Nov 23 j 04:43	27° \approx 00'45	
minimum elong	-12655 Dec 17 j 06:53	29° \approx 12'38	1°13'52		-12654 Nov 24 j 17:29	0° \approx	
	-12655 Dec 17 j 15:43	0° \approx		max. Earth dist.	-12654 Nov 27 j 21:04	6° \approx 18'38	1.34456 AU
evening rise	-12655 Dec 24 j 07:29	14° \approx 15'02					
asc. node	-12655 Dec 26 j 06:52	18° \approx 20'28		superior conj	-12654 Dec 01 j 10:04	13° \approx 38'23	-1°26'59
	-12654 Jan 01 j 08:08	0° \approx		minimum elong	-12654 Dec 01 j 11:44	13° \approx 47'08	1°26'37
evening max el	-12654 Jan 16 j 15:48	21° \approx 09'37	23°19'58	evening rise	-12654 Dec 08 j 17:50	29° \approx 04'52	
retrograde	-12654 Jan 29 j 22:50	27° \approx 37'01			-12654 Dec 09 j 04:28	0° \approx	
evening set	-12654 Feb 02 j 16:38	27° \approx 06'25		asc. node	-12654 Dec 13 j 04:15	8° \approx 02'06	
min. Earth dist.	-12654 Feb 10 j 04:33	23° \approx 38'06	0.55880 AU		-12654 Dec 27 j 09:13	0° \approx	
inferior conj	-12654 Feb 11 j 17:12	22° \approx 43'33	0°15'00	evening max el	-12654 Dec 29 j 12:19	2° \approx 09'17	21°47'14
minimum elong	-12654 Feb 11 j 17:47	22° \approx 42'40	0°14'11	retrograde	-12653 Jan 10 j 14:42	7° \approx 52'57	
transit middle	-12654 Feb 11 j 17:47	22° \approx 42'40	0°14'11	evening set	-12653 Jan 13 j 15:40	7° \approx 32'19	
transit begin	-12654 Feb 11 j 16:01	22° \approx 45'19		inferior conj	-12653 Jan 22 j 16:16	3° \approx 29'37	1°57'41
transit end	-12654 Feb 11 j 19:34	22° \approx 40'01		minimum elong	-12653 Jan 22 j 20:56	3° \approx 22'57	1°55'53
desc. node	-12654 Feb 12 j 16:50	22° \approx 08'31		min. Earth dist.	-12653 Jan 22 j 18:49	3° \approx 25'59	0.55470 AU
morning rise	-12654 Feb 20 j 20:54	18° \approx 39'12			-12653 Jan 29 j 18:12	30° \approx	
direct	-12654 Feb 23 j 01:14	18° \approx 27'22		desc. node	-12653 Jan 30 j 13:33	29° \approx 44'25	
morning max el	-12654 Mar 05 j 18:37	23° \approx 33'18	20°18'23	morning rise	-12653 Feb 01 j 02:08	29° \approx 21'49	
	-12654 Mar 11 j 06:13	0° \approx		direct	-12653 Feb 03 j 17:34	29° \approx 06'04	
morning set	-12654 Mar 24 j 02:50	22° \approx 50'43			-12653 Feb 08 j 12:08	0° \approx	
asc. node	-12654 Mar 24 j 04:47	23° \approx 00'38		morning max el	-12653 Feb 16 j 00:28	5° \approx 02'01	21°39'38
	-12654 Mar 27 j 14:49	0° \approx			-12653 Mar 04 j 16:39	0° \approx	
				morning set	-12653 Mar 08 j 11:36	7° \approx 38'36	
				asc. node	-12653 Mar 11 j 01:52	13° \approx 03'10	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12653 Mar 15 j 21:29	23° ♄ 09'22	0°43'22	superior conj	-12652 Feb 28 j 02:21	7° ♄ 50'09	0°19'53
minimum elong	-12653 Mar 15 j 19:39	22° ♄ 59'48	0°42'16	minimum elong	-12652 Feb 28 j 01:31	7° ♄ 45'46	0°19'00
	-12653 Mar 19 j 05:24	0° ♄		max. Earth dist.	-12652 Mar 01 j 11:02	12° ♄ 50'07	1.33869 AU
max. Earth dist.	-12653 Mar 19 j 10:30	0° ♄ 25'48	1.34894 AU	evening rise	-12652 Mar 06 j 20:28	23° ♄ 51'37	
evening rise	-12653 Mar 24 j 04:59	9° ♄ 49'59			-12652 Mar 10 j 00:26	0° ♄	
	-12653 Apr 04 j 12:31	0° ♄			-12652 Mar 28 j 03:13	0° ♄	
	-12653 Apr 26 j 03:11	0° ♄		evening max el	-12652 Apr 09 j 17:11	15° ♄ 15'10	27°24'48
evening max el	-12653 Apr 28 j 06:43	2° ♄ 12'40	26°57'01	desc. node	-12652 Apr 14 j 10:31	19° ♄ 18'08	
desc. node	-12653 Apr 28 j 13:13	2° ♄ 28'32		retrograde	-12652 Apr 23 j 09:13	22° ♄ 50'45	
retrograde	-12653 May 11 j 11:37	9° ♄ 43'20		evening set	-12652 Apr 30 j 07:23	20° ♄ 13'16	
evening set	-12653 May 18 j 05:01	6° ♄ 57'04		min. Earth dist.	-12652 May 03 j 23:47	16° ♄ 50'44	0.63709 AU
min. Earth dist.	-12653 May 22 j 01:30	3° ♄ 01'31	0.65163 AU	inferior conj	-12652 May 06 j 12:28	14° ♄ 08'11	-3°22'09
inferior conj	-12653 May 23 j 23:31	0° ♄ 45'39	-3°11'22	minimum elong	-12652 May 06 j 12:59	14° ♄ 06'48	3°22'44
minimum elong	-12653 May 24 j 01:07	0° ♄ 40'53	3°11'34	morning rise	-12652 May 12 j 19:26	8° ♄ 47'16	
	-12653 May 24 j 15:01	30° ♄		direct	-12652 May 15 j 15:27	8° ♄ 06'17	
morning rise	-12653 May 29 j 21:33	25° ♄ 07'41		morning max el	-12652 May 22 j 02:59	11° ♄ 31'01	18°08'57
direct	-12653 Jun 01 j 23:11	24° ♄ 15'29		asc. node	-12652 May 23 j 22:57	13° ♄ 31'44	
asc. node	-12653 Jun 07 j 02:11	26° ♄ 30'47			-12652 Jun 03 j 18:00	0° ♄	
morning max el	-12653 Jun 08 j 13:53	27° ♄ 53'23	18°33'13	morning set	-12652 Jun 08 j 22:08	8° ♄ 51'23	
	-12653 Jun 10 j 11:30	0° ♄			-12652 Jun 21 j 11:54	0° ♄	
morning set	-12653 Jun 28 j 12:52	27° ♄ 51'20					
	-12653 Jun 29 j 20:17	0° ♄		superior conj	-12652 Jun 21 j 23:26	0° ♄ 47'15	1°35'09
superior conj	-12653 Jul 13 j 10:37	21° ♄ 55'21	1°05'54	minimum elong	-12652 Jun 22 j 04:35	1° ♄ 08'16	1°34'50
minimum elong	-12653 Jul 13 j 17:05	22° ♄ 21'06	1°05'32	max. Earth dist.	-12652 Jun 27 j 00:52	8° ♄ 58'46	1.43826 AU
max. Earth dist.	-12653 Jul 15 j 10:03	25° ♄ 03'40	1.44502 AU	evening rise	-12652 Jul 08 j 06:06	26° ♄ 39'54	
	-12653 Jul 18 j 12:57	0° ♄			-12652 Jul 10 j 09:45	0° ♄	
desc. node	-12653 Jul 25 j 09:26	10° ♄ 48'48		desc. node	-12652 Jul 11 j 06:57	1° ♄ 21'52	
evening rise	-12653 Jul 29 j 23:27	18° ♄ 02'17			-12652 Jul 30 j 19:27	0° ♄	
	-12653 Aug 06 j 14:03	0° ♄		evening max el	-12652 Aug 04 j 05:24	5° ♄ 09'08	20°14'31
evening max el	-12653 Aug 22 j 00:36	21° ♄ 40'42	19°18'07	retrograde	-12652 Aug 11 j 22:59	9° ♄ 38'57	
retrograde	-12653 Aug 29 j 02:14	25° ♄ 42'34		evening set	-12652 Aug 15 j 15:33	8° ♄ 20'18	
evening set	-12653 Sep 01 j 08:28	24° ♄ 41'10		asc. node	-12652 Aug 20 j 00:13	3° ♄ 44'49	
asc. node	-12653 Sep 03 j 03:17	23° ♄ 17'30		inferior conj	-12652 Aug 21 j 02:29	2° ♄ 18'07	0°20'27
inferior conj	-12653 Sep 07 j 01:19	18° ♄ 48'44	1°12'21	minimum elong	-12652 Aug 21 j 02:00	2° ♄ 19'41	0°20'58
minimum elong	-12653 Sep 06 j 23:39	18° ♄ 54'00	1°12'30	min. Earth dist.	-12652 Aug 21 j 22:59	1° ♄ 09'42	0.66550 AU
min. Earth dist.	-12653 Sep 08 j 09:06	17° ♄ 08'06	0.65765 AU		-12652 Aug 22 j 20:15	30° ♄	
morning rise	-12653 Sep 12 j 14:28	12° ♄ 31'49		morning rise	-12652 Aug 26 j 12:14	25° ♄ 56'59	
direct	-12653 Sep 18 j 17:48	9° ♄ 56'30		direct	-12652 Sep 01 j 01:33	23° ♄ 35'24	
morning max el	-12653 Oct 01 j 06:44	17° ♄ 15'11	26°07'49		-12652 Sep 12 j 04:19	0° ♄	
	-12653 Oct 12 j 01:21	0° ♄		morning max el	-12652 Sep 12 j 16:45	0° ♄ 30'53	24°54'45
desc. node	-12653 Oct 21 j 08:03	13° ♄ 17'58			-12652 Oct 05 j 00:26	0° ♄	
	-12653 Oct 31 j 14:25	0° ♄		desc. node	-12652 Oct 07 j 04:52	3° ♄ 23'21	
morning set	-12653 Nov 06 j 06:06	10° ♄ 07'13		morning set	-12652 Oct 18 j 13:15	22° ♄ 15'41	
max. Earth dist.	-12653 Nov 10 j 08:52	17° ♄ 55'20	1.35829 AU	max. Earth dist.	-12652 Oct 22 j 11:24	29° ♄ 19'03	1.37577 AU
					-12652 Oct 22 j 20:19	0° ♄	
superior conj	-12653 Nov 15 j 08:39	27° ♄ 50'40	-1°34'56	superior conj	-12652 Oct 28 j 21:28	11° ♄ 28'45	-1°36'26
minimum elong	-12653 Nov 15 j 09:29	27° ♄ 54'54	1°34'28	minimum elong	-12652 Oct 28 j 20:56	11° ♄ 26'07	1°35'48
	-12653 Nov 16 j 10:02	0° ♄		evening rise	-12652 Nov 06 j 04:43	28° ♄ 00'10	
evening rise	-12653 Nov 23 j 01:35	13° ♄ 42'07			-12652 Nov 07 j 04:48	0° ♄	
asc. node	-12653 Nov 30 j 01:38	27° ♄ 19'41		asc. node	-12652 Nov 15 j 23:01	16° ♄ 04'13	
	-12653 Dec 01 j 14:10	0° ♄		evening max el	-12652 Nov 23 j 07:31	25° ♄ 34'58	19°20'59
evening max el	-12653 Dec 11 j 16:48	13° ♄ 35'18	20°25'26	retrograde	-12652 Dec 02 j 09:45	29° ♄ 54'06	
retrograde	-12653 Dec 22 j 06:42	18° ♄ 33'23		evening set	-12652 Dec 04 j 22:15	29° ♄ 35'40	
evening set	-12653 Dec 24 j 23:01	18° ♄ 15'37		inferior conj	-12652 Dec 13 j 03:17	25° ♄ 23'45	4°07'58
inferior conj	-12652 Jan 02 j 15:38	14° ♄ 15'18	3°21'34	minimum elong	-12652 Dec 13 j 06:00	25° ♄ 19'12	4°07'48
minimum elong	-12652 Jan 02 j 21:14	14° ♄ 06'54	3°20'14	min. Earth dist.	-12652 Dec 15 j 21:31	23° ♄ 33'09	0.57092 AU
min. Earth dist.	-12652 Jan 04 j 07:58	13° ♄ 15'04	0.55910 AU	morning rise	-12652 Dec 21 j 11:39	20° ♄ 34'10	
morning rise	-12652 Jan 11 j 17:55	9° ♄ 49'51		direct	-12652 Dec 26 j 12:38	19° ♄ 35'47	
direct	-12652 Jan 15 j 10:20	9° ♄ 20'00		desc. node	-12651 Jan 03 j 06:48	21° ♄ 52'56	
desc. node	-12652 Jan 17 j 10:13	9° ♄ 29'02		morning max el	-12651 Jan 09 j 11:13	26° ♄ 38'52	24°49'37
morning max el	-12652 Jan 28 j 20:19	15° ♄ 57'17	23°13'39		-12651 Jan 12 j 16:23	0° ♄	
	-12652 Feb 08 j 20:08	0° ♄			-12651 Jan 31 j 17:05	0° ♄	
morning set	-12652 Feb 20 j 23:14	22° ♄ 38'58		morning set	-12651 Feb 04 j 11:46	7° ♄ 43'52	
	-12652 Feb 24 j 10:28	0° ♄					
asc. node	-12652 Feb 25 j 23:02	3° ♄ 15'50		superior conj	-12651 Feb 11 j 11:23	22° ♄ 45'15	-0°03'30
				minimum elong	-12651 Feb 11 j 11:33	22° ♄ 46'11	0°04'06

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

behind sun begin	-12651 Feb 11 j 06:38	22° \mathbb{M} 19'28		superior conj	-12650 Jan 26 j 22:42	7° \mathbb{M} 47'47	-0°25'53
behind sun end	-12651 Feb 11 j 16:29	23° \mathbb{M} 12'53		minimum elong	-12650 Jan 26 j 23:44	7° \mathbb{M} 53'24	0°26'11
asc. node	-12651 Feb 11 j 20:18	23° \mathbb{M} 33'31		max. Earth dist.	-12650 Jan 27 j 07:34	8° \mathbb{M} 36'09	1.32836 AU
max. Earth dist.	-12651 Feb 12 j 19:08	25° \mathbb{M} 36'46	1.33187 AU	asc. node	-12650 Jan 29 j 17:36	13° \mathbb{M} 51'36	
	-12651 Feb 14 j 20:19	0° \mathbb{A}		evening rise	-12650 Feb 03 j 02:10	23° \mathbb{M} 06'00	
evening rise	-12651 Feb 18 j 20:27	8° \mathbb{A} 20'07			-12650 Feb 06 j 12:07	0° \mathbb{A}	
	-12651 Mar 02 j 11:37	0° \mathbb{B}			-12650 Feb 24 j 15:17	0° \mathbb{B}	
evening max el	-12651 Mar 23 j 01:12	27° \mathbb{B} 51'04	27°21'44	evening max el	-12650 Mar 05 j 04:49	9° \mathbb{B} 52'25	26°45'54
	-12651 Mar 25 j 09:53	0° \mathbb{C}		retrograde	-12650 Mar 19 j 07:40	17° \mathbb{B} 18'19	
desc. node	-12651 Apr 01 j 07:44	4° \mathbb{C} 25'49		desc. node	-12650 Mar 19 j 04:49	17° \mathbb{B} 18'17	
retrograde	-12651 Apr 06 j 00:25	5° \mathbb{C} 24'50		evening set	-12650 Mar 25 j 13:55	15° \mathbb{B} 34'59	
evening set	-12651 Apr 12 j 19:22	3° \mathbb{C} 09'21		min. Earth dist.	-12650 Mar 29 j 18:16	12° \mathbb{B} 43'41	0.59945 AU
min. Earth dist.	-12651 Apr 16 j 13:13	0° \mathbb{C} 09'19	0.61917 AU	inferior conj	-12650 Apr 02 j 02:01	9° \mathbb{B} 58'00	-2°52'52
	-12651 Apr 16 j 17:17	30° \mathbb{R} \mathbb{B}		minimum elong	-12650 Apr 01 j 23:17	10° \mathbb{B} 03'44	2°53'13
inferior conj	-12651 Apr 19 j 14:29	27° \mathbb{B} 14'54	-3°17'45	morning rise	-12650 Apr 09 j 11:16	5° \mathbb{B} 15'16	
minimum elong	-12651 Apr 19 j 13:24	27° \mathbb{B} 17'29	3°18'24	direct	-12650 Apr 11 j 21:53	4° \mathbb{B} 52'15	
morning rise	-12651 Apr 26 j 09:07	22° \mathbb{B} 12'39		morning max el	-12650 Apr 19 j 04:49	8° \mathbb{B} 25'55	18°15'39
direct	-12651 Apr 29 j 00:17	21° \mathbb{B} 41'25		asc. node	-12650 Apr 27 j 16:35	20° \mathbb{B} 07'02	
morning max el	-12651 May 05 j 16:53	25° \mathbb{B} 04'21	18°02'54		-12650 May 03 j 04:58	0° \mathbb{C}	
	-12651 May 09 j 19:17	0° \mathbb{C}		morning set	-12650 May 05 j 07:05	3° \mathbb{C} 53'56	
asc. node	-12651 May 10 j 19:44	1° \mathbb{C} 28'01					
morning set	-12651 May 22 j 05:48	20° \mathbb{C} 55'50		superior conj	-12650 May 15 j 06:08	22° \mathbb{C} 19'03	1°46'43
	-12651 May 27 j 07:34	0° \mathbb{H}		minimum elong	-12650 May 15 j 04:32	22° \mathbb{C} 11'50	1°46'09
					-12650 May 19 j 14:18	0° \mathbb{H}	
superior conj	-12651 Jun 02 j 13:47	10° \mathbb{H} 54'22	1°47'58	max. Earth dist.	-12650 May 22 j 14:57	5° \mathbb{H} 12'25	1.40872 AU
minimum elong	-12651 Jun 02 j 15:08	11° \mathbb{H} 00'09	1°47'41	evening rise	-12650 May 28 j 00:02	14° \mathbb{H} 09'59	
max. Earth dist.	-12651 Jun 09 j 10:43	22° \mathbb{H} 25'14	1.42554 AU		-12650 Jun 07 j 01:06	0° \mathbb{Y}	
	-12651 Jun 14 j 03:01	0° \mathbb{Y}		desc. node	-12650 Jun 15 j 02:09	11° \mathbb{Y} 53'59	
evening rise	-12651 Jun 17 j 06:51	5° \mathbb{Y} 00'51			-12650 Jun 28 j 23:32	0° \mathbb{B}	
desc. node	-12651 Jun 28 j 04:32	21° \mathbb{Y} 45'25		evening max el	-12650 Jun 30 j 18:45	1° \mathbb{B} 54'20	22°43'25
	-12651 Jul 03 j 18:54	0° \mathbb{B}		retrograde	-12650 Jul 10 j 13:22	7° \mathbb{B} 42'23	
evening max el	-12651 Jul 18 j 03:22	18° \mathbb{B} 33'45	21°24'13	evening set	-12650 Jul 15 j 08:13	5° \mathbb{B} 42'29	
retrograde	-12651 Jul 26 j 19:15	23° \mathbb{B} 40'07			-12650 Jul 20 j 04:25	30° \mathbb{R} \mathbb{Y}	
evening set	-12651 Jul 31 j 00:08	22° \mathbb{B} 01'33		inferior conj	-12650 Jul 20 j 13:21	29° \mathbb{Y} 29'07	-1°15'35
inferior conj	-12651 Aug 05 j 07:07	15° \mathbb{B} 52'31	-0°29'20	minimum elong	-12650 Jul 20 j 14:48	29° \mathbb{Y} 24'06	1°14'40
minimum elong	-12651 Aug 05 j 07:43	15° \mathbb{B} 50'27	0°28'32	min. Earth dist.	-12650 Jul 20 j 12:37	29° \mathbb{Y} 31'38	0.67241 AU
min. Earth dist.	-12651 Aug 05 j 17:00	15° \mathbb{B} 18'33	0.67042 AU	asc. node	-12650 Jul 24 j 17:53	24° \mathbb{Y} 14'10	
asc. node	-12651 Aug 06 j 21:05	13° \mathbb{B} 43'29		morning rise	-12650 Jul 25 j 21:18	23° \mathbb{Y} 11'42	
morning rise	-12651 Aug 10 j 15:10	9° \mathbb{B} 31'16		direct	-12650 Jul 30 j 07:36	21° \mathbb{Y} 25'08	
direct	-12651 Aug 15 j 14:29	7° \mathbb{B} 26'40		morning max el	-12650 Aug 08 j 16:18	27° \mathbb{Y} 02'56	22°09'03
morning max el	-12651 Aug 26 j 03:09	13° \mathbb{B} 46'51	23°32'20		-12650 Aug 11 j 08:45	0° \mathbb{B}	
	-12651 Sep 08 j 04:52	0° \mathbb{I}			-12650 Sep 01 j 20:13	0° \mathbb{I}	
desc. node	-12651 Sep 24 j 01:50	23° \mathbb{I} 44'52		morning set	-12650 Sep 10 j 02:28	12° \mathbb{I} 54'37	
	-12651 Sep 27 j 22:24	0° \mathbb{D}		desc. node	-12650 Sep 10 j 22:55	14° \mathbb{I} 16'41	
morning set	-12651 Sep 29 j 21:01	3° \mathbb{D} 13'28		max. Earth dist.	-12650 Sep 16 j 11:54	23° \mathbb{I} 21'37	1.41469 AU
max. Earth dist.	-12651 Oct 04 j 10:06	10° \mathbb{D} 59'11	1.39543 AU		-12650 Sep 20 j 10:01	0° \mathbb{D}	
superior conj	-12651 Oct 11 j 20:24	24° \mathbb{D} 21'30	-1°29'32	superior conj	-12650 Sep 24 j 00:02	6° \mathbb{D} 14'00	-1°12'07
minimum elong	-12651 Oct 11 j 18:06	24° \mathbb{D} 10'52	1°28'40	minimum elong	-12650 Sep 23 j 20:15	5° \mathbb{D} 57'21	1°10'58
	-12651 Oct 14 j 20:28	0° \mathbb{Q}		evening rise	-12650 Oct 04 j 10:37	25° \mathbb{D} 12'20	
evening rise	-12651 Oct 21 j 00:49	11° \mathbb{Q} 53'01			-12650 Oct 07 j 00:57	0° \mathbb{Q}	
	-12651 Oct 31 j 01:09	0° \mathbb{P}		evening max el	-12650 Oct 20 j 15:54	21° \mathbb{Q} 04'13	18°12'09
asc. node	-12651 Nov 02 j 20:22	4° \mathbb{P} 04'58		asc. node	-12650 Oct 20 j 17:38	21° \mathbb{Q} 08'30	
evening max el	-12651 Nov 06 j 08:00	8° \mathbb{P} 07'02	18°36'27	retrograde	-12650 Oct 27 j 18:42	24° \mathbb{Q} 41'03	
retrograde	-12651 Nov 14 j 05:45	11° \mathbb{P} 58'50		evening set	-12650 Oct 30 j 06:13	24° \mathbb{Q} 15'28	
evening set	-12651 Nov 16 j 16:54	11° \mathbb{P} 37'40		inferior conj	-12650 Nov 06 j 10:14	19° \mathbb{Q} 22'22	3°56'53
inferior conj	-12651 Nov 24 j 09:23	7° \mathbb{P} 06'20	4°16'24	minimum elong	-12650 Nov 06 j 06:59	19° \mathbb{Q} 29'37	3°56'57
minimum elong	-12651 Nov 24 j 08:23	7° \mathbb{P} 08'16	4°16'41	min. Earth dist.	-12650 Nov 09 j 11:52	16° \mathbb{Q} 39'55	0.60604 AU
min. Earth dist.	-12651 Nov 27 j 13:47	4° \mathbb{P} 39'52	0.58761 AU	morning rise	-12650 Nov 13 j 06:19	13° \mathbb{Q} 50'55	
morning rise	-12651 Dec 01 j 22:01	1° \mathbb{P} 54'27		direct	-12650 Nov 20 j 03:21	11° \mathbb{Q} 41'07	
direct	-12651 Dec 08 j 02:56	0° \mathbb{P} 18'38		morning max el	-12650 Dec 04 j 02:02	19° \mathbb{Q} 03'56	27°09'47
desc. node	-12651 Dec 21 j 03:22	6° \mathbb{P} 37'47		desc. node	-12650 Dec 07 j 23:55	23° \mathbb{Q} 10'29	
morning max el	-12651 Dec 22 j 03:42	7° \mathbb{P} 34'19	26°12'44		-12650 Dec 13 j 11:19	0° \mathbb{P}	
	-12650 Jan 07 j 23:14	0° \mathbb{D}			-12650 Dec 31 j 13:06	0° \mathbb{D}	
morning set	-12650 Jan 19 j 23:26	22° \mathbb{D} 46'28		morning set	-12649 Jan 04 j 08:21	7° \mathbb{D} 40'02	
	-12650 Jan 23 j 08:47	0° \mathbb{M}					
				superior conj	-12649 Jan 11 j 10:35	22° \mathbb{D} 51'26	-0°46'37

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12649 Jan 11 j 12:15	23° Ω 00'28	0°46'39	superior conj	-12649 Dec 26 j 21:20	7° Ω 49'44	-1°04'58
max. Earth dist.	-12649 Jan 10 j 20:50	21° Ω 36'24	1.32814 AU	minimum elong	-12649 Dec 26 j 23:18	8° Ω 00'27	1°04'48
	-12649 Jan 14 j 17:14	0° \mathbb{M}		evening rise	-12648 Jan 02 j 22:27	22° Ω 59'42	
asc. node	-12649 Jan 16 j 14:57	4° \mathbb{M} 06'13		asc. node	-12648 Jan 03 j 12:20	24° Ω 12'19	
evening rise	-12649 Jan 18 j 11:27	8° \mathbb{M} 01'36			-12648 Jan 06 j 08:25	0° \mathbb{M}	
	-12649 Jan 30 j 01:51	0° \mathcal{A}			-12648 Jan 25 j 15:05	0° \mathcal{A}	
evening max el	-12649 Feb 15 j 02:58	21° \mathcal{A} 17'38	25°40'23	evening max el	-12648 Jan 27 j 20:42	2° \mathcal{A} 15'10	24°13'57
retrograde	-12649 Mar 01 j 04:41	28° \mathcal{A} 29'11		retrograde	-12648 Feb 10 j 13:41	9° \mathcal{A} 02'52	
desc. node	-12649 Mar 06 j 01:46	27° \mathcal{A} 32'06		evening set	-12648 Feb 14 j 21:21	8° \mathcal{A} 21'13	
evening set	-12649 Mar 06 j 13:44	27° \mathcal{A} 20'04		desc. node	-12648 Feb 20 j 22:37	5° \mathcal{A} 25'48	
min. Earth dist.	-12649 Mar 11 j 16:29	24° \mathcal{A} 24'00	0.58032 AU	min. Earth dist.	-12648 Feb 21 j 10:05	5° \mathcal{A} 08'16	0.56484 AU
inferior conj	-12649 Mar 14 j 19:38	22° \mathcal{A} 09'08	-2°01'42	inferior conj	-12648 Feb 23 j 17:22	3° \mathcal{A} 41'21	-0°41'36
minimum elong	-12649 Mar 14 j 16:15	22° \mathcal{A} 15'15	2°01'40	minimum elong	-12648 Feb 23 j 15:45	3° \mathcal{A} 43'54	0°41'50
morning rise	-12649 Mar 22 j 21:57	17° \mathcal{A} 45'32			-12648 Mar 01 j 19:42	30° \mathbb{R}	
direct	-12649 Mar 25 j 04:15	17° \mathcal{A} 29'00		morning rise	-12648 Mar 03 j 13:02	29° \mathbb{M} 33'08	
morning max el	-12649 Apr 02 j 11:52	21° \mathcal{A} 27'17	18°47'50	direct	-12648 Mar 05 j 16:33	29° \mathbb{M} 20'40	
	-12649 Apr 09 j 04:10	0° \mathcal{B}			-12648 Mar 09 j 09:31	0° \mathcal{A}	
asc. node	-12649 Apr 14 j 13:30	9° \mathcal{B} 19'07		morning max el	-12648 Mar 15 j 10:57	3° \mathcal{A} 58'06	19°39'50
morning set	-12649 Apr 18 j 21:33	17° \mathcal{B} 35'21		asc. node	-12648 Mar 31 j 10:28	28° \mathcal{A} 55'32	
	-12649 Apr 25 j 06:58	0° \approx			-12648 Mar 31 j 23:29	0° \mathcal{B}	
				morning set	-12648 Apr 01 j 21:22	1° \mathcal{B} 48'59	
superior conj	-12649 Apr 27 j 19:55	4° \approx 50'22	1°35'28	superior conj	-12648 Apr 10 j 01:41	18° \mathcal{B} 12'40	1°17'51
minimum elong	-12649 Apr 27 j 17:00	4° \approx 36'34	1°34'34	minimum elong	-12648 Apr 09 j 22:41	17° \mathcal{B} 57'54	1°16'43
max. Earth dist.	-12649 May 04 j 15:44	17° \approx 21'44	1.39009 AU	max. Earth dist.	-12648 Apr 15 j 17:24	29° \mathcal{B} 05'26	1.37198 AU
evening rise	-12649 May 08 j 20:23	24° \approx 40'45			-12648 Apr 16 j 05:05	0° \approx	
	-12649 May 12 j 00:06	0° \mathcal{H}		evening rise	-12648 Apr 19 j 18:22	6° \approx 29'58	
	-12649 May 31 j 17:52	0° \mathcal{Y}			-12648 May 03 j 21:16	0° \mathcal{H}	
desc. node	-12649 Jun 01 j 23:42	1° \mathcal{Y} 41'26		desc. node	-12648 May 18 j 21:13	20° \mathcal{H} 58'32	
evening max el	-12649 Jun 13 j 05:45	15° \mathcal{Y} 14'07	24°05'54	evening max el	-12648 May 25 j 15:13	28° \mathcal{H} 34'42	25°23'58
retrograde	-12649 Jun 24 j 04:18	21° \mathcal{Y} 43'10			-12648 May 27 j 02:41	0° \mathcal{Y}	
evening set	-12649 Jun 29 j 13:53	19° \mathcal{Y} 22'42		retrograde	-12648 Jun 06 j 15:16	5° \mathcal{Y} 37'35	
inferior conj	-12649 Jul 04 j 19:24	13° \mathcal{Y} 07'06	-1°56'59	evening set	-12648 Jun 12 j 15:08	3° \mathcal{Y} 00'30	
minimum elong	-12649 Jul 04 j 21:25	13° \mathcal{Y} 00'14	1°56'11		-12648 Jun 15 j 10:46	30° \mathbb{R}	
min. Earth dist.	-12649 Jul 04 j 07:28	13° \mathcal{Y} 47'48	0.67128 AU	min. Earth dist.	-12648 Jun 16 j 23:15	28° \mathcal{H} 04'14	0.66664 AU
morning rise	-12649 Jul 10 j 04:55	6° \mathcal{Y} 57'02		inferior conj	-12648 Jun 17 j 23:28	26° \mathcal{H} 44'40	-2°32'14
asc. node	-12649 Jul 11 j 14:38	6° \mathcal{Y} 04'35		minimum elong	-12648 Jun 18 j 01:42	26° \mathcal{H} 37'22	2°31'45
direct	-12649 Jul 14 j 03:45	5° \mathcal{Y} 27'58		morning rise	-12648 Jun 23 j 12:17	20° \mathcal{H} 45'00	
morning max el	-12649 Jul 22 j 10:53	10° \mathcal{Y} 23'35	20°51'58	direct	-12648 Jun 27 j 01:26	19° \mathcal{H} 31'53	
	-12649 Aug 06 j 05:44	0° \mathcal{B}		asc. node	-12648 Jun 27 j 11:22	19° \mathcal{H} 32'51	
morning set	-12649 Aug 20 j 11:04	21° \mathcal{B} 38'07		morning max el	-12648 Jul 04 j 11:58	23° \mathcal{H} 50'54	19°46'13
	-12649 Aug 25 j 18:30	0° \mathbb{I}			-12648 Jul 09 j 14:26	0° \mathcal{Y}	
desc. node	-12649 Aug 28 j 20:06	4° \mathbb{I} 54'49		morning set	-12648 Jul 29 j 15:13	0° \mathcal{B} 10'59	
max. Earth dist.	-12649 Aug 29 j 20:03	6° \mathbb{I} 31'36	1.43080 AU		-12648 Jul 29 j 12:24	0° \mathcal{B}	
				max. Earth dist.	-12648 Aug 11 j 09:27	20° \mathcal{B} 16'10	1.44154 AU
superior conj	-12649 Sep 05 j 02:41	16° \mathbb{I} 51'40	-0°42'36	desc. node	-12648 Aug 14 j 17:24	25° \mathcal{B} 35'52	
minimum elong	-12649 Sep 04 j 23:06	16° \mathbb{I} 36'42	0°41'23				
	-12649 Sep 12 j 19:15	0° \mathcal{E}		superior conj	-12648 Aug 15 j 01:44	26° \mathcal{B} 09'21	-0°02'05
evening rise	-12649 Sep 17 j 06:01	7° \mathcal{E} 48'27		minimum elong	-12648 Aug 15 j 01:34	26° \mathcal{B} 08'40	0°01'23
	-12649 Sep 30 j 14:18	0° \mathcal{Q}		behind sun begin	-12648 Aug 14 j 14:42	25° \mathcal{B} 25'01	
evening max el	-12649 Oct 04 j 04:15	4° \mathcal{Q} 18'55	18°07'25	behind sun end	-12648 Aug 15 j 12:26	26° \mathcal{B} 52'23	
asc. node	-12649 Oct 07 j 14:50	6° \mathcal{Q} 59'20			-12648 Aug 17 j 10:53	0° \mathbb{I}	
retrograde	-12649 Oct 10 j 21:09	7° \mathcal{Q} 51'25		evening rise	-12648 Aug 29 j 05:40	19° \mathbb{I} 28'11	
evening set	-12649 Oct 13 j 10:55	7° \mathcal{Q} 19'33			-12648 Sep 04 j 12:17	0° \mathcal{E}	
inferior conj	-12649 Oct 20 j 03:16	2° \mathcal{Q} 06'00	3°20'00	evening max el	-12648 Sep 16 j 18:03	17° \mathcal{E} 44'21	18°21'16
minimum elong	-12649 Oct 19 j 23:24	2° \mathcal{Q} 15'43	3°19'47	retrograde	-12648 Sep 23 j 08:53	21° \mathcal{E} 21'37	
	-12649 Oct 22 j 05:14	30° \mathbb{R}		asc. node	-12648 Sep 23 j 11:58	21° \mathcal{E} 21'32	
min. Earth dist.	-12649 Oct 22 j 18:58	29° \mathcal{E} 26'14	0.62370 AU	evening set	-12648 Sep 26 j 03:09	20° \mathcal{E} 40'55	
morning rise	-12649 Oct 26 j 10:50	26° \mathcal{E} 17'21		inferior conj	-12648 Oct 02 j 09:06	15° \mathcal{E} 09'54	2°33'32
direct	-12649 Nov 02 j 12:07	23° \mathcal{E} 44'41		minimum elong	-12648 Oct 02 j 05:43	15° \mathcal{E} 19'21	2°33'16
	-12649 Nov 14 j 23:13	0° \mathcal{Q}		min. Earth dist.	-12648 Oct 04 j 12:24	12° \mathcal{E} 46'34	0.63912 AU
morning max el	-12649 Nov 16 j 06:44	1° \mathcal{Q} 13'35	27°33'21	morning rise	-12648 Oct 08 j 07:31	9° \mathcal{E} 07'11	
desc. node	-12649 Nov 24 j 20:29	11° \mathcal{Q} 01'26		direct	-12648 Oct 15 j 04:17	6° \mathcal{E} 24'37	
	-12649 Dec 07 j 12:46	0° \mathbb{M}		morning max el	-12648 Oct 28 j 15:40	13° \mathcal{E} 56'47	27°22'42
morning set	-12649 Dec 19 j 12:21	22° \mathbb{M} 16'37		desc. node	-12648 Nov 10 j 17:05	29° \mathcal{E} 48'10	
	-12649 Dec 23 j 05:41	0° \mathcal{E}			-12648 Nov 10 j 20:26	0° \mathcal{Q}	
max. Earth dist.	-12649 Dec 25 j 07:09	4° \mathcal{E} 23'48	1.33143 AU		-12648 Nov 29 j 00:28	0° \mathbb{M}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12648 Dec 02 j 08:52	6°♎27'43		max. Earth dist.	-12647 Nov 20 j 04:26	28°♊37'49	1.34987 AU
max. Earth dist.	-12648 Dec 07 j 10:48	16°♎46'57	1.33855 AU		-12647 Nov 20 j 20:51	0°♎	
superior conj	-12648 Dec 10 j 05:09	22°♎36'37	-1°20'07	superior conj	-12647 Nov 24 j 07:51	7°♎03'51	-1°31'03
minimum elong	-12648 Dec 10 j 07:04	22°♎46'48	1°19'48	minimum elong	-12647 Nov 24 j 09:14	7°♎11'00	1°30'39
	-12648 Dec 13 j 16:07	0°♏		evening rise	-12647 Dec 01 j 19:00	22°♎39'28	
evening rise	-12648 Dec 17 j 09:33	7°♏54'33			-12647 Dec 05 j 10:04	0°♏	
asc. node	-12648 Dec 20 j 09:43	14°♏04'55		asc. node	-12647 Dec 07 j 07:07	3°♏37'14	
	-12648 Dec 29 j 05:20	0°♐		evening max el	-12647 Dec 21 j 13:59	24°♏16'28	21°10'38
evening max el	-12647 Jan 08 j 14:30	13°♐07'11	22°39'45	retrograde	-12646 Jan 02 j 01:38	29°♏40'23	
retrograde	-12647 Jan 21 j 11:04	19°♐17'45		evening set	-12646 Jan 04 j 21:47	29°♏21'46	
evening set	-12647 Jan 24 j 20:30	18°♐52'31		inferior conj	-12646 Jan 13 j 19:45	25°♏22'22	2°37'06
min. Earth dist.	-12647 Feb 02 j 01:24	15°♐09'50	0.55598 AU	minimum elong	-12646 Jan 14 j 01:22	25°♏14'16	2°35'18
inferior conj	-12647 Feb 02 j 22:12	14°♐39'41	0°59'06	min. Earth dist.	-12646 Jan 14 j 15:26	24°♏54'00	0.55554 AU
minimum elong	-12647 Feb 03 j 00:40	14°♐36'07	0°57'45	morning rise	-12646 Jan 23 j 04:01	21°♏07'59	
desc. node	-12647 Feb 06 j 19:22	12°♐31'31		desc. node	-12646 Jan 24 j 16:02	20°♏53'00	
morning rise	-12647 Feb 12 j 06:06	10°♐36'01		direct	-12646 Jan 26 j 04:22	20°♏47'50	
direct	-12647 Feb 14 j 13:14	10°♐23'34		morning max el	-12646 Feb 08 j 00:50	27°♏03'55	22°18'34
morning max el	-12647 Feb 25 j 23:34	15°♐50'55	20°51'02		-12646 Feb 10 j 20:07	0°♐	
	-12647 Mar 08 j 12:27	0°♑			-12646 Feb 28 j 22:20	0°♑	
morning set	-12647 Mar 17 j 03:32	16°♑26'18		morning set	-12646 Mar 01 j 13:45	1°♑19'51	
asc. node	-12647 Mar 18 j 07:31	18°♑50'00		asc. node	-12646 Mar 05 j 04:39	8°♑57'11	
	-12647 Mar 23 j 17:00	0°♒		superior conj	-12646 Mar 08 j 20:22	16°♑41'24	0°33'27
superior conj	-12647 Mar 24 j 18:58	2°♒13'09	0°56'33	minimum elong	-12646 Mar 08 j 18:57	16°♑33'57	0°32'25
minimum elong	-12647 Mar 24 j 16:36	2°♒01'03	0°55'23	max. Earth dist.	-12646 Mar 11 j 20:34	22°♑57'23	1.34413 AU
max. Earth dist.	-12647 Mar 29 j 01:50	10°♒49'53	1.35636 AU		-12646 Mar 15 j 08:12	0°♒	
evening rise	-12647 Apr 02 j 12:33	19°♒22'49		evening rise	-12646 Mar 16 j 21:33	3°♒03'23	
	-12647 Apr 08 j 09:25	0°♓			-12646 Apr 01 j 06:05	0°♓	
	-12647 Apr 27 j 21:23	0°♈		evening max el	-12646 Apr 20 j 12:13	25°♓07'14	27°12'29
desc. node	-12647 May 05 j 18:39	9°♈32'59		desc. node	-12646 Apr 22 j 16:01	27°♓07'35	
evening max el	-12647 May 08 j 01:18	11°♈54'39	26°28'57		-12646 Apr 26 j 09:22	0°♈	
retrograde	-12647 May 20 j 21:42	19°♈19'25		retrograde	-12646 May 03 j 22:48	2°♈41'33	
evening set	-12647 May 27 j 09:41	16°♈33'25		evening set	-12646 May 10 j 18:51	29°♓57'34	
min. Earth dist.	-12647 May 31 j 09:47	12°♈16'18	0.65818 AU		-12646 May 10 j 17:38	30°♓	
inferior conj	-12647 Jun 01 j 23:34	10°♈19'27	-2°59'49	min. Earth dist.	-12646 May 14 j 13:10	26°♓16'45	0.64580 AU
minimum elong	-12647 Jun 02 j 01:33	10°♈13'18	2°59'46	inferior conj	-12646 May 16 j 17:23	23°♓48'12	-3°17'36
morning rise	-12647 Jun 07 j 17:37	4°♈32'51		minimum elong	-12646 May 16 j 18:36	23°♓44'44	3°17'59
direct	-12647 Jun 10 j 22:54	3°♈33'41		morning rise	-12646 May 22 j 18:53	18°♓17'02	
asc. node	-12647 Jun 14 j 08:06	4°♈34'58		direct	-12646 May 25 j 17:55	17°♓29'53	
morning max el	-12647 Jun 17 j 19:01	7°♈24'15	18°55'07	asc. node	-12646 Jun 01 j 04:50	20°♓57'09	
	-12647 Jul 03 j 13:10	0°♉		morning max el	-12646 Jun 01 j 06:29	21°♓01'18	18°20'43
morning set	-12647 Jul 09 j 09:45	9°♉23'32			-12646 Jun 08 j 03:22	0°♉	
	-12647 Jul 22 j 08:20	0°♊		morning set	-12646 Jun 20 j 04:40	19°♉43'32	
					-12646 Jun 26 j 09:16	0°♉	
superior conj	-12647 Jul 25 j 04:46	4°♊30'48	0°42'41	superior conj	-12646 Jul 04 j 07:57	12°♉54'21	1°20'15
minimum elong	-12647 Jul 25 j 09:40	4°♊50'12	0°42'34	minimum elong	-12646 Jul 04 j 14:26	13°♉20'22	1°19'52
max. Earth dist.	-12647 Jul 25 j 01:27	4°♊17'40	1.44572 AU	max. Earth dist.	-12646 Jul 07 j 17:26	18°♉19'51	1.44291 AU
desc. node	-12647 Aug 01 j 14:49	16°♊16'28			-12646 Jul 15 j 02:43	0°♊	
evening rise	-12647 Aug 10 j 03:54	29°♊56'18		desc. node	-12646 Jul 19 j 12:19	6°♊53'37	
	-12647 Aug 10 j 04:49	0°♋		evening rise	-12646 Jul 20 j 22:54	9°♊08'40	
	-12647 Aug 30 j 02:52	0°♌		greatest brilliancy	-12646 Aug 01 j 07:34	26°♊43'16	-0.7m
evening max el	-12647 Aug 31 j 06:23	1°♌14'25	18°52'39		-12646 Aug 03 j 11:46	0°♋	
retrograde	-12647 Sep 07 j 02:11	5°♌04'48		evening max el	-12646 Aug 14 j 14:41	14°♋45'11	19°40'20
evening set	-12647 Sep 10 j 03:19	4°♌12'05		retrograde	-12646 Aug 21 j 22:16	18°♋57'35	
asc. node	-12647 Sep 10 j 09:02	4°♌03'37		evening set	-12646 Aug 25 j 08:37	17°♋49'20	
	-12647 Sep 14 j 17:23	30°♌		asc. node	-12646 Aug 28 j 06:01	15°♋12'03	
inferior conj	-12647 Sep 16 j 00:28	28°♋26'48	1°42'28	inferior conj	-12646 Aug 30 j 22:45	11°♋52'41	0°50'12
minimum elong	-12647 Sep 15 j 22:07	28°♋33'57	1°42'26	minimum elong	-12646 Aug 30 j 21:36	11°♋56'25	0°50'31
min. Earth dist.	-12647 Sep 17 j 15:15	26°♋28'45	0.65175 AU	min. Earth dist.	-12646 Sep 01 j 01:43	10°♋25'12	0.66140 AU
morning rise	-12647 Sep 21 j 16:23	22°♋13'49		morning rise	-12646 Sep 05 j 10:15	5°♋33'33	
direct	-12647 Sep 28 j 03:07	19°♋32'59		direct	-12646 Sep 11 j 07:52	3°♋03'10	
morning max el	-12647 Oct 11 j 02:00	27°♋00'20	26°41'59	morning max el	-12646 Sep 23 j 12:02	10°♋13'23	25°38'19
	-12647 Oct 13 j 22:40	0°♍			-12646 Oct 09 j 07:43	0°♍	
desc. node	-12647 Oct 28 j 13:46	19°♍13'49		desc. node	-12646 Oct 15 j 10:34	9°♍07'23	
	-12647 Nov 04 j 10:42	0°♎			-12646 Oct 28 j 00:02	0°♎	
morning set	-12647 Nov 15 j 18:26	20°♎01'20					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12646 Oct 29 j 12:41	2°Ω44'49		morning max el	-12645 Sep 05 j 21:53	23°♄28'56	24°20'20
max. Earth dist.	-12646 Nov 02 j 11:30	10°Ω04'22	1.36539 AU		-12645 Sep 11 j 16:36	0°♄	
				desc. node	-12645 Oct 02 j 07:29	29°♄20'37	
superior conj	-12646 Nov 08 j 02:44	21°Ω03'07	-1°36'28		-12645 Oct 02 j 17:26	0°♄	
minimum elong	-12646 Nov 08 j 03:03	21°Ω04'42	1°35'57	morning set	-12645 Oct 11 j 10:29	14°♄24'33	
	-12646 Nov 12 j 12:51	0°♄		max. Earth dist.	-12645 Oct 15 j 11:52	21°♄32'41	1.38407 AU
evening rise	-12646 Nov 16 j 01:02	7°♄09'07			-12645 Oct 20 j 02:29	0°♄	
asc. node	-12646 Nov 24 j 04:32	22°♄41'50					
	-12646 Nov 28 j 20:44	0°♄		superior conj	-12645 Oct 22 j 10:17	4°Ω24'02	-1°34'40
evening max el	-12646 Dec 03 j 22:50	5°♄56'52	19°55'38	minimum elong	-12645 Oct 22 j 09:01	4°Ω18'01	1°33'57
retrograde	-12646 Dec 13 j 20:39	10°♄36'25		evening rise	-12645 Oct 31 j 01:32	21°Ω17'49	
evening set	-12646 Dec 16 j 11:07	10°♄18'36			-12645 Nov 04 j 13:34	0°♄	
inferior conj	-12646 Dec 24 j 23:06	6°♄15'02	3°46'15	asc. node	-12645 Nov 11 j 01:54	11°♄09'29	
minimum elong	-12646 Dec 25 j 03:48	6°♄07'42	3°45'26	evening max el	-12645 Nov 16 j 17:56	18°♄11'21	18°59'29
min. Earth dist.	-12646 Dec 27 j 04:33	4°♄51'58	0.56344 AU	retrograde	-12645 Nov 25 j 06:45	22°♄17'20	
morning rise	-12645 Jan 02 j 18:32	1°♄39'35		evening set	-12645 Nov 27 j 18:36	21°♄57'47	
direct	-12645 Jan 07 j 00:59	0°♄59'00		inferior conj	-12645 Dec 05 j 18:17	17°♄37'51	4°15'41
desc. node	-12645 Jan 11 j 12:39	1°♄45'01		minimum elong	-12645 Dec 05 j 19:20	17°♄35'59	4°15'50
morning max el	-12645 Jan 20 j 17:32	7°♄49'06	23°55'00	min. Earth dist.	-12645 Dec 08 j 18:34	15°♄30'08	0.57765 AU
	-12645 Feb 05 j 17:12	0°♄		morning rise	-12645 Dec 13 j 18:07	12°♄38'46	
morning set	-12645 Feb 14 j 01:57	16°♄22'36		direct	-12645 Dec 19 j 08:11	11°♄25'05	
asc. node	-12645 Feb 20 j 01:50	29°♄12'12		desc. node	-12645 Dec 29 j 09:13	15°♄13'19	
	-12645 Feb 20 j 10:43	0°♄		morning max el	-12644 Jan 02 j 08:20	18°♄33'43	25°27'28
					-12644 Jan 11 j 22:14	0°♄	
superior conj	-12645 Feb 21 j 03:13	1°♄28'43	0°09'55		-12644 Jan 28 j 21:30	0°♄	
minimum elong	-12645 Feb 21 j 02:49	1°♄26'36	0°09'08	morning set	-12644 Jan 29 j 14:23	1°♄28'15	
behind sun begin	-12645 Feb 20 j 22:34	1°♄03'47					
behind sun end	-12645 Feb 21 j 07:04	1°♄49'25		superior conj	-12644 Feb 05 j 13:28	16°♄28'22	-0°13'09
max. Earth dist.	-12645 Feb 23 j 00:47	5°♄32'22	1.33542 AU	minimum elong	-12644 Feb 05 j 14:01	16°♄31'23	0°13'38
evening rise	-12645 Feb 28 j 17:01	17°♄17'42		behind sun begin	-12644 Feb 05 j 11:29	16°♄17'35	
	-12645 Mar 07 j 08:22	0°♄		behind sun end	-12644 Feb 05 j 16:34	16°♄45'12	
	-12645 Mar 26 j 18:38	0°♄		max. Earth dist.	-12644 Feb 06 j 11:29	18°♄27'58	1.33001 AU
evening max el	-12645 Apr 02 j 22:09	8°♄00'21	27°27'37	asc. node	-12644 Feb 06 j 23:07	19°♄31'06	
desc. node	-12645 Apr 09 j 13:17	13°♄17'42			-12644 Feb 11 j 21:25	0°♄	
retrograde	-12645 Apr 16 j 17:40	15°♄35'11		evening rise	-12644 Feb 12 j 19:47	1°♄55'23	
evening set	-12645 Apr 23 j 15:28	13°♄05'56			-12644 Feb 28 j 07:42	0°♄	
min. Earth dist.	-12645 Apr 27 j 07:47	9°♄54'17	0.62976 AU	evening max el	-12644 Mar 15 j 04:36	20°♄22'55	27°10'23
inferior conj	-12645 Apr 30 j 02:06	7°♄04'50	-3°22'29	desc. node	-12644 Mar 26 j 10:24	27°♄32'36	
minimum elong	-12645 Apr 30 j 01:59	7°♄05'08	3°23'08	retrograde	-12644 Mar 29 j 05:21	27°♄53'18	
morning rise	-12645 May 06 j 13:39	1°♄51'24		evening set	-12644 Apr 04 j 20:19	25°♄50'31	
direct	-12645 May 09 j 07:36	1°♄14'36		min. Earth dist.	-12644 Apr 08 j 17:19	22°♄56'13	0.61095 AU
morning max el	-12645 May 15 j 20:09	4°♄37'10	18°04'07	inferior conj	-12644 Apr 11 j 22:26	20°♄02'55	-3°10'05
asc. node	-12645 May 19 j 01:35	8°♄22'54		minimum elong	-12644 Apr 11 j 20:36	20°♄07'03	3°10'38
	-12645 Jun 01 j 07:30	0°♄		morning rise	-12644 Apr 18 j 22:55	15°♄08'56	
morning set	-12645 Jun 01 j 23:59	1°♄12'06		direct	-12644 Apr 21 j 12:17	14°♄41'14	
				morning max el	-12644 Apr 28 j 09:33	18°♄06'42	18°06'00
superior conj	-12645 Jun 14 j 06:45	22°♄15'04	1°42'34	asc. node	-12644 May 04 j 22:23	26°♄38'50	
minimum elong	-12645 Jun 14 j 10:21	22°♄30'00	1°42'17		-12644 May 06 j 23:39	0°♄	
	-12645 Jun 18 j 23:45	0°♄		morning set	-12644 May 14 j 15:43	13°♄40'53	
max. Earth dist.	-12645 Jun 20 j 06:41	2°♄05'31	1.43350 AU		-12644 May 23 j 16:26	0°♄	
evening rise	-12645 Jun 30 j 00:08	17°♄30'56					
desc. node	-12645 Jul 06 j 09:54	27°♄23'13		superior conj	-12644 May 25 j 08:33	2°♄56'10	1°48'56
	-12645 Jul 08 j 03:10	0°♄		minimum elong	-12644 May 25 j 08:27	2°♄55'44	1°48'33
evening max el	-12645 Jul 28 j 16:46	28°♄12'25	20°42'45	max. Earth dist.	-12644 Jun 01 j 14:38	15°♄18'07	1.41879 AU
	-12645 Jul 30 j 14:25	0°♄		evening rise	-12644 Jun 08 j 05:33	26°♄05'22	
retrograde	-12645 Aug 05 j 18:55	2°♄56'17			-12644 Jun 10 j 16:47	0°♄	
evening set	-12645 Aug 09 j 16:36	1°♄29'19		desc. node	-12644 Jun 22 j 07:29	17°♄41'05	
	-12645 Aug 11 j 08:33	30°♄			-12644 Jun 30 j 23:37	0°♄	
inferior conj	-12645 Aug 15 j 01:37	25°♄24'02	-0°01'01	evening max el	-12644 Jul 10 j 11:44	11°♄34'41	21°57'02
minimum elong	-12645 Aug 15 j 01:37	25°♄24'01	0°00'21	retrograde	-12644 Jul 19 j 14:27	16°♄58'23	
transit middle	-12645 Aug 15 j 01:37	25°♄24'01	0°00'21	evening set	-12644 Jul 24 j 01:13	15°♄10'32	
transit begin	-12645 Aug 14 j 22:53	25°♄33'16		inferior conj	-12644 Jul 29 j 07:08	8°♄59'14	-0°49'29
transit end	-12645 Aug 15 j 04:21	25°♄14'46		minimum elong	-12644 Jul 29 j 08:07	8°♄55'48	0°48'37
asc. node	-12645 Aug 15 j 02:55	25°♄19'35		min. Earth dist.	-12644 Jul 29 j 12:26	8°♄40'54	0.67163 AU
min. Earth dist.	-12645 Aug 15 j 17:32	24°♄30'09	0.66801 AU	asc. node	-12644 Jul 31 j 23:45	5°♄24'16	
morning rise	-12645 Aug 20 j 10:27	19°♄02'40		morning rise	-12644 Aug 03 j 14:56	2°♄39'22	
direct	-12645 Aug 25 j 17:51	16°♄48'04		direct	-12644 Aug 08 j 08:29	0°♄42'40	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12644 Aug 18 j 09:16	6° B 45'07	22°56'39	morning rise	-12643 Jul 18 j 21:53	16° Y 22'06	
	-12644 Sep 05 j 06:27	0° II		asc. node	-12643 Jul 18 j 20:32	16° Y 24'47	
desc. node	-12644 Sep 18 j 04:31	19° II 47'17		direct	-12643 Jul 23 j 02:59	14° Y 43'18	
morning set	-12644 Sep 21 j 07:08	24° II 49'42		morning max el	-12643 Aug 01 j 00:35	20° Y 03'23	21°35'13
	-12644 Sep 24 j 09:54	0° S			-12643 Aug 09 j 04:29	0° B	
max. Earth dist.	-12644 Sep 26 j 11:41	3° S 30'52	1.40381 AU		-12643 Aug 29 j 12:30	0° II	
				morning set	-12643 Sep 01 j 02:27	4° II 02'59	
superior conj	-12644 Oct 04 j 01:42	16° S 53'05	-1°23'34	desc. node	-12643 Sep 05 j 01:40	10° II 22'40	
minimum elong	-12644 Oct 03 j 22:41	16° S 39'22	1°22'35	max. Earth dist.	-12643 Sep 08 j 15:45	16° II 13'11	1.42196 AU
	-12644 Oct 11 j 02:54	0° O					
evening rise	-12644 Oct 13 j 17:44	4° O 58'02		superior conj	-12643 Sep 15 j 19:21	28° II 15'27	-1°01'07
asc. node	-12644 Oct 27 j 23:14	28° O 48'04		minimum elong	-12643 Sep 15 j 15:20	27° II 58'10	0°59'53
	-12644 Oct 29 j 00:29	0° np			-12643 Sep 16 j 19:33	0° S	
evening max el	-12644 Oct 29 j 21:50	0° np 55'02	18°23'37	evening rise	-12643 Sep 26 j 22:01	18° S 00'50	
retrograde	-12644 Nov 06 j 10:34	4° np 39'32			-12643 Oct 03 j 14:41	0° O	
evening set	-12644 Nov 08 j 21:31	4° np 16'46		evening max el	-12643 Oct 13 j 08:00	14° O 00'58	18°07'50
	-12644 Nov 15 j 20:53	30° R 00		asc. node	-12643 Oct 14 j 20:28	15° O 23'09	
inferior conj	-12644 Nov 16 j 08:37	29° O 36'00	4°10'54	retrograde	-12643 Oct 20 j 05:45	17° O 34'58	
minimum elong	-12644 Nov 16 j 06:26	29° O 40'28	4°11'08	evening set	-12643 Oct 22 j 17:50	17° O 07'08	
min. Earth dist.	-12644 Nov 19 j 12:55	27° O 00'19	0.59534 AU	inferior conj	-12643 Oct 29 j 16:48	12° O 05'20	3°42'54
morning rise	-12644 Nov 23 j 13:40	24° O 15'12		minimum elong	-12643 Oct 29 j 13:07	12° O 14'00	3°42'48
direct	-12644 Nov 30 j 02:43	22° O 24'14		min. Earth dist.	-12643 Nov 01 j 14:54	9° O 21'38	0.61370 AU
morning max el	-12644 Dec 14 j 03:19	29° O 43'27	26°40'52	morning rise	-12643 Nov 05 j 07:04	6° O 26'01	
	-12644 Dec 14 j 10:11	0° np		direct	-12643 Nov 12 j 07:08	4° O 04'37	
desc. node	-12644 Dec 15 j 05:46	0° np 48'31		morning max el	-12643 Nov 26 j 04:37	11° O 31'06	27°24'00
	-12643 Jan 04 j 14:58	0° A		desc. node	-12643 Dec 02 j 02:21	17° O 58'09	
morning set	-12643 Jan 13 j 01:09	16° A 28'35			-12643 Dec 10 j 21:16	0° np	
	-12643 Jan 19 j 08:18	0° M			-12643 Dec 27 j 17:22	0° A	
				morning set	-12643 Dec 28 j 08:16	1° A 16'16	
superior conj	-12643 Jan 20 j 01:14	1° M 32'32	-0°34'56	max. Earth dist.	-12642 Jan 03 j 13:03	14° A 25'41	1.32908 AU
minimum elong	-12643 Jan 20 j 02:34	1° M 39'47	0°35'06				
max. Earth dist.	-12643 Jan 20 j 00:46	1° M 29'57	1.32785 AU	superior conj	-12642 Jan 04 j 12:51	16° A 35'03	-0°54'45
asc. node	-12643 Jan 23 j 20:28	9° M 48'39		minimum elong	-12642 Jan 04 j 14:41	16° A 45'01	0°54'40
evening rise	-12643 Jan 27 j 03:15	16° M 46'28		asc. node	-12642 Jan 10 j 17:49	0° M 00'21	
	-12643 Feb 02 j 19:44	0° x			-12642 Jan 10 j 17:45	0° M	
	-12643 Feb 23 j 03:01	0° S		evening rise	-12642 Jan 11 j 13:28	1° M 43'55	
evening max el	-12643 Feb 25 j 05:37	2° S 07'43	26°21'06		-12642 Jan 27 j 04:09	0° x	
retrograde	-12643 Mar 11 j 08:36	9° S 29'06		evening max el	-12642 Feb 07 j 01:28	13° x 19'09	25°05'23
desc. node	-12643 Mar 13 j 07:24	9° S 19'25		retrograde	-12642 Feb 21 j 01:09	20° x 22'36	
evening set	-12643 Mar 17 j 06:53	8° S 00'15		evening set	-12642 Feb 25 j 23:11	19° x 26'33	
min. Earth dist.	-12643 Mar 21 j 19:00	5° S 08'40	0.59110 AU	desc. node	-12642 Feb 28 j 04:18	18° x 27'29	
inferior conj	-12643 Mar 25 j 02:39	2° S 33'13	-2°34'40	min. Earth dist.	-12642 Mar 03 j 15:11	16° x 24'23	0.57310 AU
minimum elong	-12643 Mar 24 j 23:26	2° S 39'33	2°34'50	inferior conj	-12642 Mar 06 j 11:48	14° x 28'09	-1°31'06
	-12643 Mar 28 j 14:12	30° R x		minimum elong	-12642 Mar 06 j 08:50	14° x 33'14	1°31'03
morning rise	-12643 Apr 01 j 19:00	27° x 59'14		morning rise	-12642 Mar 14 j 21:44	10° x 11'52	
direct	-12643 Apr 04 j 03:44	27° x 39'17		direct	-12642 Mar 17 j 02:14	9° x 57'34	
	-12643 Apr 10 j 06:05	0° S		morning max el	-12642 Mar 25 j 23:54	14° x 11'14	19°07'30
morning max el	-12643 Apr 11 j 19:50	1° S 21'21	18°26'58		-12642 Apr 06 j 00:39	0° S	
asc. node	-12643 Apr 21 j 19:15	15° S 33'04		asc. node	-12642 Apr 08 j 16:11	4° S 56'20	
morning set	-12643 Apr 27 j 23:05	26° S 58'33		morning set	-12642 Apr 11 j 17:53	10° S 54'34	
	-12643 Apr 29 j 13:09	0° A					
				superior conj	-12642 Apr 20 j 07:54	27° S 46'05	1°28'34
superior conj	-12643 May 07 j 10:44	14° A 51'28	1°42'55	minimum elong	-12642 Apr 20 j 04:49	27° S 31'18	1°27'34
minimum elong	-12643 May 07 j 08:23	14° A 40'40	1°42'14		-12642 Apr 21 j 11:51	0° A	
max. Earth dist.	-12643 May 14 j 16:38	27° A 47'12	1.40083 AU	max. Earth dist.	-12642 Apr 26 j 16:31	9° A 40'41	1.38217 AU
	-12643 May 15 j 23:29	0° H		evening rise	-12642 Apr 30 j 17:37	16° A 53'14	
evening rise	-12643 May 19 j 09:48	5° H 47'26			-12642 May 08 j 12:52	0° H	
	-12643 Jun 03 j 20:34	0° Y		desc. node	-12642 May 27 j 02:32	27° H 17'30	
desc. node	-12643 Jun 09 j 05:02	7° Y 41'41			-12642 May 29 j 05:21	0° Y	
evening max el	-12643 Jun 23 j 00:41	24° Y 53'57	23°18'32	evening max el	-12642 Jun 05 j 10:38	8° Y 13'53	24°40'18
	-12643 Jun 29 j 12:18	0° B		retrograde	-12642 Jun 16 j 20:52	14° Y 59'03	
retrograde	-12643 Jul 03 j 07:29	1° B 00'43		evening set	-12642 Jun 22 j 12:31	12° Y 31'04	
	-12643 Jul 06 j 19:10	30° R Y		min. Earth dist.	-12642 Jun 27 j 01:58	7° Y 12'06	0.66967 AU
evening set	-12643 Jul 08 j 08:30	28° Y 51'43		inferior conj	-12642 Jun 27 j 18:55	6° Y 15'01	-2°12'48
inferior conj	-12643 Jul 13 j 13:29	22° Y 36'53	-1°33'50	minimum elong	-12642 Jun 27 j 21:04	6° Y 07'46	2°12'07
minimum elong	-12643 Jul 13 j 15:13	22° Y 30'54	1°32'57	morning rise	-12642 Jul 03 j 05:35	0° Y 08'44	
min. Earth dist.	-12643 Jul 13 j 08:03	22° Y 55'38	0.67224 AU		-12642 Jul 03 j 10:30	30° R H	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12642 Jul 05 j 17:16	28° X 55'56		evening set	-12641 Jun 06 j 11:13	26° X 07'31	
direct	-12642 Jul 07 j 00:02	28° X 46'37		min. Earth dist.	-12641 Jun 10 j 15:50	21° X 27'49	0.66356 AU
	-12642 Jul 10 j 19:27	0° Y		inferior conj	-12641 Jun 11 j 21:35	19° X 52'22	-2°45'00
morning max el	-12642 Jul 14 j 21:47	3° Y 26'13	20°22'20	minimum elong	-12641 Jun 11 j 23:45	19° X 45'22	2°44'41
	-12642 Aug 03 j 02:39	0° Z		morning rise	-12641 Jun 17 j 12:21	13° X 57'45	
morning set	-12642 Aug 11 j 06:30	12° Z 34'12		direct	-12641 Jun 20 j 22:02	12° X 50'37	
max. Earth dist.	-12642 Aug 22 j 01:48	29° Z 37'39	1.43606 AU	asc. node	-12641 Jun 22 j 13:58	13° X 05'54	
	-12642 Aug 22 j 07:22	0° II		morning max el	-12641 Jun 28 j 01:28	16° X 56'12	19°22'29
desc. node	-12642 Aug 22 j 22:53	1° II 02'26			-12641 Jul 07 j 22:04	0° Y	
				morning set	-12641 Jul 21 j 14:50	21° Y 18'49	
superior conj	-12642 Aug 27 j 10:07	8° II 18'22	-0°26'30		-12641 Jul 27 j 03:11	0° Z	
minimum elong	-12642 Aug 27 j 07:34	8° II 07'56	0°25'27	max. Earth dist.	-12641 Aug 04 j 16:52	13° Z 32'20	1.44425 AU
evening rise	-12642 Sep 09 j 09:38	0° III 14'01					
	-12642 Sep 09 j 06:23	0° III		superior conj	-12641 Aug 06 j 22:52	17° Z 06'54	0°17'04
evening max el	-12642 Sep 26 j 21:23	27° III 21'07	18°11'12	minimum elong	-12641 Aug 07 j 00:57	17° Z 15'09	0°17'23
	-12642 Sep 30 j 05:52	0° IV		desc. node	-12641 Aug 09 j 20:13	21° Z 43'39	
asc. node	-12642 Oct 01 j 17:39	0° IV 38'02			-12641 Aug 14 j 23:30	0° II	
retrograde	-12642 Oct 03 j 12:26	0° IV 54'17		evening rise	-12641 Aug 21 j 23:01	11° II 24'31	
evening set	-12642 Oct 06 j 03:52	0° IV 18'59			-12641 Sep 02 j 09:23	0° III	
	-12642 Oct 06 j 19:26	30° IV		evening max el	-12641 Sep 10 j 10:55	10° III 49'05	18°32'35
inferior conj	-12642 Oct 12 j 15:39	24° III 57'57	3°01'08	retrograde	-12641 Sep 17 j 02:51	14° III 30'31	
minimum elong	-12642 Oct 12 j 11:53	25° III 07'51	3°00'50	asc. node	-12641 Sep 18 j 14:46	14° III 18'06	
min. Earth dist.	-12642 Oct 15 j 02:19	22° III 23'39	0.63061 AU	evening set	-12641 Sep 19 j 23:52	13° III 44'56	
morning rise	-12642 Oct 18 j 18:58	19° III 03'06		inferior conj	-12641 Sep 26 j 01:51	8° III 07'23	2°12'10
direct	-12642 Oct 25 j 19:25	16° III 24'21		minimum elong	-12641 Sep 25 j 22:52	8° III 16'03	2°11'58
morning max el	-12642 Nov 08 j 11:11	23° III 55'15	27°32'46	min. Earth dist.	-12641 Sep 27 j 23:42	5° III 54'16	0.64491 AU
	-12642 Nov 14 j 01:23	0° V		morning rise	-12641 Oct 01 j 21:15	2° III 00'07	
desc. node	-12642 Nov 18 j 22:57	6° V 15'05			-12641 Oct 05 j 02:46	30° IV	
	-12642 Dec 04 j 02:18	0° VI		direct	-12641 Oct 08 j 14:21	29° IV 17'10	
morning set	-12642 Dec 12 j 09:26	15° VI 43'06			-12641 Oct 12 j 07:16	0° III	
max. Earth dist.	-12642 Dec 17 j 20:47	27° VI 03'10	1.33395 AU	morning max el	-12641 Oct 21 j 20:49	6° III 47'36	27°08'43
	-12642 Dec 19 j 05:55	0° VII		desc. node	-12641 Nov 05 j 19:36	25° III 19'50	
					-12641 Nov 08 j 22:52	0° IV	
superior conj	-12642 Dec 19 j 22:36	1° VII 29'37	-1°11'51	morning set	-12641 Nov 26 j 01:44	29° IV 39'13	
minimum elong	-12642 Dec 20 j 00:36	1° VII 40'23	1°11'36		-12641 Nov 26 j 06:00	0° V	
evening rise	-12642 Dec 27 j 00:42	16° VII 41'32		max. Earth dist.	-12641 Nov 30 j 20:33	9° V 12'55	1.34285 AU
asc. node	-12642 Dec 28 j 15:13	20° VII 01'37					
	-12641 Jan 02 j 17:09	0° VIII		superior conj	-12641 Dec 04 j 04:32	16° V 08'56	-1°25'21
evening max el	-12641 Jan 19 j 18:51	24° VIII 12'45	23°34'07	minimum elong	-12641 Dec 04 j 06:17	16° V 18'10	1°25'00
	-12641 Jan 28 j 17:01	0° IX			-12641 Dec 10 j 17:32	0° VII	
retrograde	-12641 Feb 02 j 04:48	0° IX 45'35		evening rise	-12641 Dec 11 j 11:19	1° VII 32'59	
evening set	-12641 Feb 06 j 02:02	0° IX 12'29		asc. node	-12641 Dec 15 j 12:38	9° VII 46'36	
	-12641 Feb 06 j 18:38	30° IX			-12641 Dec 27 j 21:41	0° VIII	
min. Earth dist.	-12641 Feb 13 j 07:54	26° VIII 48'39	0.56014 AU	evening max el	-12640 Jan 01 j 14:29	5° VIII 09'44	22°00'37
inferior conj	-12641 Feb 15 j 01:45	25° VIII 45'38	-0°00'24	retrograde	-12640 Jan 13 j 21:49	11° VIII 00'41	
minimum elong	-12641 Feb 15 j 01:42	25° VIII 45'42	0°01'02	evening set	-12640 Jan 17 j 00:48	10° VIII 39'03	
transit middle	-12641 Feb 15 j 01:42	25° VIII 45'42	0°01'02	inferior conj	-12640 Jan 26 j 01:57	6° VIII 34'15	1°42'42
transit begin	-12641 Feb 14 j 21:42	25° VIII 51'45		minimum elong	-12640 Jan 26 j 06:08	6° VIII 28'18	1°40'58
transit end	-12641 Feb 15 j 05:43	25° VIII 39'39		min. Earth dist.	-12640 Jan 25 j 22:18	6° VIII 39'28	0.55474 AU
desc. node	-12641 Feb 15 j 01:07	25° VIII 46'35		desc. node	-12640 Feb 01 j 21:51	3° VIII 10'49	
morning rise	-12641 Feb 24 j 03:34	21° VIII 40'35		morning rise	-12640 Feb 04 j 11:46	2° VIII 28'12	
direct	-12641 Feb 26 j 07:29	21° VIII 28'42		direct	-12640 Feb 07 j 00:36	2° VIII 13'36	
morning max el	-12641 Mar 08 j 18:44	26° VIII 26'57	20°07'46	morning max el	-12640 Feb 19 j 02:22	8° VIII 02'06	21°26'34
	-12641 Mar 12 j 01:01	0° X			-12640 Mar 05 j 03:18	0° IX	
morning set	-12641 Mar 26 j 20:48	25° X 20'04		morning set	-12640 Mar 10 j 05:00	10° X 05'46	
asc. node	-12641 Mar 26 j 13:11	24° X 41'37		asc. node	-12640 Mar 12 j 10:16	14° X 42'24	
	-12641 Mar 29 j 03:52	0° XI					
				superior conj	-12640 Mar 17 j 16:12	25° X 40'15	0°46'54
superior conj	-12641 Apr 03 j 19:04	11° XI 26'32	1°09'08	minimum elong	-12640 Mar 17 j 14:13	25° X 29'58	0°45'45
minimum elong	-12641 Apr 03 j 16:17	11° XI 12'32	1°07'58		-12640 Mar 19 j 18:44	0° XI	
max. Earth dist.	-12641 Apr 08 j 20:46	21° XI 23'20	1.36502 AU	max. Earth dist.	-12640 Mar 21 j 09:50	3° XI 17'56	1.35077 AU
evening rise	-12641 Apr 13 j 01:02	29° XI 12'40		evening rise	-12640 Mar 26 j 02:08	12° XI 27'50	
	-12641 Apr 13 j 11:24	0° XII			-12640 Apr 04 j 20:59	0° XII	
	-12641 May 01 j 18:20	0° XIII			-12640 Apr 25 j 17:47	0° XIII	
desc. node	-12641 May 14 j 00:01	16° XIII 18'44		desc. node	-12640 Apr 29 j 21:26	4° XIII 30'27	
evening max el	-12641 May 18 j 20:30	21° XIII 36'10	25°53'47	evening max el	-12640 Apr 30 j 07:09	4° XIII 54'35	26°50'25
retrograde	-12641 May 31 j 05:51	28° XIII 49'12		retrograde	-12640 May 13 j 09:54	12° XIII 23'57	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12640 May 20 j 02:07	9° H 37'15		min. Earth dist.	-12639 May 06 j 23:05	19° \approx 28'44	0.63946 AU
min. Earth dist.	-12640 May 23 j 23:26	5° H 36'22	0.65350 AU	inferior conj	-12639 May 09 j 09:37	16° \approx 49'17	-3°21'30
inferior conj	-12640 May 25 j 19:19	3° H 25'10	-3°08'43	minimum elong	-12639 May 09 j 10:20	16° \approx 47'20	3°22'01
minimum elong	-12640 May 25 j 21:03	3° H 19'59	3°08'51	morning rise	-12639 May 15 j 15:06	11° \approx 25'44	
	-12640 May 28 j 20:30	30° \approx		direct	-12639 May 18 j 11:50	10° \approx 43'16	
morning rise	-12640 May 31 j 16:16	27° \approx 44'59		morning max el	-12639 May 24 j 23:27	14° \approx 09'27	18°11'25
direct	-12640 Jun 03 j 18:48	26° \approx 51'02		asc. node	-12639 May 26 j 07:26	15° \approx 35'19	
asc. node	-12640 Jun 08 j 10:41	28° \approx 44'12			-12639 Jun 05 j 01:41	0° H	
	-12640 Jun 09 j 21:45	0° H		morning set	-12639 Jun 12 j 00:50	11° H 48'38	
morning max el	-12640 Jun 10 j 10:40	0° H 31'48	18°38'22		-12639 Jun 22 j 21:10	0° Y	
	-12640 Jun 30 j 04:46	0° Y					
morning set	-12640 Jun 30 j 19:16	0° Y 59'06		superior conj	-12639 Jun 25 j 08:51	4° Y 03'53	1°31'48
				minimum elong	-12639 Jun 25 j 14:28	4° Y 26'40	1°31'27
superior conj	-12640 Jul 15 j 23:04	25° Y 20'50	1°00'10	max. Earth dist.	-12639 Jun 30 j 00:51	11° Y 35'24	1.43963 AU
minimum elong	-12640 Jul 16 j 05:18	25° Y 45'34	0°59'52	evening rise	-12639 Jul 11 j 18:51	0° S 05'32	
max. Earth dist.	-12640 Jul 17 j 09:49	27° Y 38'32	1.44542 AU		-12639 Jul 11 j 17:25	0° S	
	-12640 Jul 18 j 21:33	0° S		desc. node	-12639 Jul 13 j 15:13	2° S 57'39	
desc. node	-12640 Jul 26 j 17:41	12° S 23'18			-12639 Jul 31 j 17:49	0° II	
evening rise	-12640 Aug 01 j 09:29	21° S 20'21		evening max el	-12639 Aug 07 j 03:34	7° II 49'03	20°05'13
	-12640 Aug 06 j 20:52	0° II		retrograde	-12639 Aug 14 j 18:26	12° II 14'15	
evening max el	-12640 Aug 23 j 21:49	24° II 19'57	19°11'00	evening set	-12639 Aug 18 j 09:16	10° II 58'28	
retrograde	-12640 Aug 30 j 21:44	28° II 18'40		asc. node	-12639 Aug 22 j 08:44	6° II 55'34	
evening set	-12640 Sep 03 j 02:34	27° II 19'37		inferior conj	-12639 Aug 23 j 20:58	4° II 57'37	0°28'13
asc. node	-12640 Sep 04 j 11:47	26° II 18'39		minimum elong	-12639 Aug 23 j 20:19	4° II 59'45	0°28'42
inferior conj	-12640 Sep 08 j 20:28	21° II 28'50	1°20'16	min. Earth dist.	-12639 Aug 24 j 19:08	3° II 44'06	0.66450 AU
minimum elong	-12640 Sep 08 j 18:37	21° II 34'38	1°20'23		-12639 Aug 27 j 20:44	30° R S	
min. Earth dist.	-12640 Sep 10 j 06:01	19° II 43'36	0.65619 AU	morning rise	-12639 Aug 29 j 07:06	28° S 36'48	
morning rise	-12640 Sep 14 j 10:16	15° II 12'45		direct	-12639 Sep 03 j 22:35	26° S 12'44	
direct	-12640 Sep 20 j 15:31	12° II 35'51			-12639 Sep 12 j 05:04	0° II	
morning max el	-12640 Oct 03 j 07:22	19° II 57'19	26°17'22	morning max el	-12639 Sep 15 j 17:23	3° II 12'44	25°06'25
	-12640 Oct 12 j 00:42	0° S			-12639 Oct 06 j 06:43	0° S	
desc. node	-12640 Oct 22 j 16:21	14° S 58'49		desc. node	-12639 Oct 09 j 13:11	5° S 01'31	
	-12640 Nov 01 j 00:01	0° Q		morning set	-12639 Oct 21 j 15:38	25° S 11'43	
morning set	-12640 Nov 08 j 05:26	12° Q 53'35			-12639 Oct 24 j 07:39	0° Q	
max. Earth dist.	-12640 Nov 12 j 09:58	20° Q 53'38	1.35597 AU	max. Earth dist.	-12639 Oct 25 j 13:23	2° Q 16'36	1.37299 AU
	-12640 Nov 16 j 23:17	0° P					
superior conj	-12640 Nov 17 j 04:19	0° P 25'39	-1°34'07	superior conj	-12639 Oct 31 j 18:49	14° Q 09'33	-1°36'43
minimum elong	-12640 Nov 17 j 05:19	0° P 30'45	1°33'41	minimum elong	-12639 Oct 31 j 18:31	14° Q 08'05	1°36'08
evening rise	-12640 Nov 24 j 19:36	16° P 12'42		evening rise	-12639 Nov 08 j 23:33	0° P 33'52	
asc. node	-12640 Dec 01 j 10:05	29° P 08'41			-12639 Nov 08 j 16:48	0° P	
	-12640 Dec 01 j 21:25	0° A		asc. node	-12639 Nov 18 j 07:28	17° P 58'47	
evening max el	-12640 Dec 13 j 17:32	16° A 31'00	20°36'38	evening max el	-12639 Nov 26 j 06:43	28° P 25'38	19°29'20
retrograde	-12640 Dec 24 j 13:15	21° A 35'49			-12639 Nov 28 j 02:50	0° A	
evening set	-12640 Dec 27 j 06:17	21° A 18'01		retrograde	-12639 Dec 05 j 13:52	2° A 49'36	
inferior conj	-12639 Jan 05 j 00:26	17° A 18'20	3°11'06	evening set	-12639 Dec 08 j 02:44	2° A 31'27	
minimum elong	-12639 Jan 05 j 06:11	17° A 09'49	3°09'35		-12639 Dec 13 j 20:04	30° R P	
min. Earth dist.	-12639 Jan 06 j 11:40	16° A 26'17	0.55791 AU	inferior conj	-12639 Dec 16 j 09:38	28° P 22'06	4°03'31
morning rise	-12639 Jan 14 j 04:39	12° A 56'02		minimum elong	-12639 Dec 16 j 12:55	28° P 16'42	4°03'13
direct	-12639 Jan 17 j 16:28	12° A 29'13		min. Earth dist.	-12639 Dec 19 j 01:09	26° P 38'07	0.56880 AU
desc. node	-12639 Jan 18 j 18:30	12° A 31'53		morning rise	-12639 Dec 24 j 20:58	23° P 36'02	
morning max el	-12639 Jan 30 j 23:34	19° A 01'36	22°59'11	direct	-12639 Dec 29 j 17:13	22° P 42'34	
	-12639 Feb 08 j 22:24	0° M		desc. node	-12638 Jan 05 j 15:06	24° P 31'43	
morning set	-12639 Feb 22 j 16:19	25° M 04'32		morning max el	-12638 Jan 12 j 14:41	29° P 43'02	24°35'45
	-12639 Feb 25 j 00:22	0° X			-12638 Jan 12 j 21:43	0° A	
asc. node	-12639 Feb 27 j 07:27	4° X 53'50		morning set	-12638 Feb 02 j 04:32	0° M	
					-12638 Feb 07 j 04:49	10° M 08'58	
superior conj	-12639 Mar 01 j 20:14	10° X 18'02	0°23'29	superior conj	-12638 Feb 14 j 04:46	25° M 11'24	0°00'01
minimum elong	-12639 Mar 01 j 19:15	10° X 12'49	0°22'32	minimum elong	-12638 Feb 14 j 04:48	25° M 11'32	0°00'38
max. Earth dist.	-12639 Mar 04 j 08:51	15° X 37'28	1.34000 AU	behind sun begin	-12638 Feb 13 j 23:42	24° M 43'59	
evening rise	-12639 Mar 09 j 16:03	26° X 24'15		behind sun end	-12638 Feb 14 j 09:53	25° M 39'04	
	-12639 Mar 11 j 12:20	0° Z		asc. node	-12638 Feb 14 j 04:43	25° M 11'05	
	-12639 Mar 29 j 05:41	0° \approx		max. Earth dist.	-12638 Feb 15 j 15:56	28° M 20'54	1.33265 AU
evening max el	-12639 Apr 12 j 17:41	17° \approx 59'36	27°22'30		-12638 Feb 16 j 10:26	0° X	
desc. node	-12639 Apr 16 j 18:46	21° \approx 32'34		evening rise	-12638 Feb 21 j 14:56	10° X 49'27	
retrograde	-12639 Apr 26 j 08:31	25° \approx 35'22			-12638 Mar 03 j 19:51	0° Z	
evening set	-12639 May 03 j 06:22	22° \approx 55'40			-12638 Mar 25 j 09:46	0° \approx	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12638 Mar 26 j 02:18	0°≈40'43	27°24'22	desc. node	-12637 Mar 21 j 13:01	20°≈13'09	
desc. node	-12638 Apr 03 j 15:57	6°≈58'00		retrograde	-12637 Mar 22 j 09:11	20°≈15'00	
retrograde	-12638 Apr 09 j 00:49	8°≈15'06		evening set	-12637 Mar 28 j 17:59	18°≈26'35	
evening set	-12638 Apr 15 j 20:44	5°≈55'44		min. Earth dist.	-12637 Apr 01 j 20:06	15°≈34'57	0.60242 AU
min. Earth dist.	-12638 Apr 19 j 13:55	2°≈53'04	0.62198 AU	inferior conj	-12637 Apr 05 j 03:27	12°≈46'40	-2°58'16
inferior conj	-12638 Apr 22 j 13:31	29°≈59'16	-3°19'42	minimum elong	-12637 Apr 05 j 00:56	12°≈52'04	2°58'41
minimum elong	-12638 Apr 22 j 12:42	0°≈01'16	3°20'21	morning rise	-12637 Apr 12 j 10:18	8°≈00'55	
	-12638 Apr 22 j 13:14	30°≈8'3		direct	-12637 Apr 14 j 21:40	7°≈36'42	
morning rise	-12638 Apr 29 j 06:14	24°≈54'02		morning max el	-12637 Apr 22 j 01:44	11°≈07'50	18°12'31
direct	-12638 May 01 j 22:03	24°≈21'26		asc. node	-12637 Apr 30 j 01:02	21°≈57'40	
morning max el	-12638 May 08 j 13:23	27°≈44'01	18°02'34		-12637 May 04 j 14:51	0°≈	
	-12638 May 10 j 14:51	0°≈		morning set	-12637 May 08 j 04:27	6°≈35'34	
asc. node	-12638 May 13 j 04:12	3°≈24'18					
morning set	-12638 May 25 j 05:28	23°≈44'24		superior conj	-12637 May 18 j 07:49	25°≈12'45	1°47'39
	-12638 May 28 j 17:54	0°≈		minimum elong	-12637 May 18 j 06:33	25°≈07'06	1°47'09
					-12637 May 21 j 00:48	0°≈	
superior conj	-12638 Jun 05 j 19:05	13°≈58'53	1°47'03	max. Earth dist.	-12637 May 25 j 16:50	8°≈01'47	1.41145 AU
minimum elong	-12638 Jun 05 j 21:00	14°≈07'03	1°46'46	evening rise	-12637 May 31 j 08:37	17°≈23'48	
max. Earth dist.	-12638 Jun 12 j 11:28	25°≈06'53	1.42776 AU		-12637 Jun 08 j 08:07	0°≈	
	-12638 Jun 15 j 11:47	0°≈		desc. node	-12637 Jun 17 j 10:21	13°≈34'11	
evening rise	-12638 Jun 20 j 18:54	8°≈24'42			-12637 Jun 29 j 15:50	0°≈	
desc. node	-12638 Jun 30 j 12:47	23°≈23'00		evening max el	-12637 Jul 03 j 18:55	4°≈35'39	22°31'12
	-12638 Jul 04 j 23:32	0°≈		retrograde	-12637 Jul 13 j 09:15	10°≈17'04	
evening max el	-12638 Jul 21 j 02:38	21°≈14'30	21°13'09	evening set	-12637 Jul 18 j 01:59	8°≈20'16	
retrograde	-12638 Jul 29 j 14:47	26°≈14'45		inferior conj	-12637 Jul 23 j 07:16	2°≈07'26	-1°08'51
evening set	-12638 Aug 02 j 17:45	24°≈39'20		minimum elong	-12637 Jul 23 j 08:37	2°≈02'48	1°07'58
inferior conj	-12638 Aug 08 j 01:12	18°≈31'17	-0°21'59	min. Earth dist.	-12637 Jul 23 j 08:07	2°≈04'30	0.67236 AU
minimum elong	-12638 Aug 08 j 01:39	18°≈29'45	0°21'13		-12637 Jul 24 j 20:36	30°≈8'9	
min. Earth dist.	-12638 Aug 08 j 12:40	17°≈52'00	0.66991 AU	asc. node	-12637 Jul 27 j 02:21	27°≈16'39	
asc. node	-12638 Aug 09 j 05:34	16°≈54'35		morning rise	-12637 Jul 28 j 15:08	25°≈49'22	
morning rise	-12638 Aug 13 j 09:23	12°≈09'52		direct	-12637 Aug 02 j 03:19	24°≈00'09	
direct	-12638 Aug 18 j 10:49	10°≈02'31		morning max el	-12637 Aug 11 j 16:01	29°≈44'08	22°21'11
morning max el	-12638 Aug 29 j 03:27	16°≈28'16	23°44'48		-12637 Aug 11 j 22:10	0°≈	
	-12638 Sep 09 j 06:49	0°≈			-12637 Sep 03 j 02:55	0°≈	
desc. node	-12638 Sep 26 j 10:09	25°≈21'05		desc. node	-12637 Sep 13 j 07:14	15°≈51'47	
	-12638 Sep 29 j 07:22	0°≈		morning set	-12637 Sep 13 j 12:22	16°≈12'28	
morning set	-12638 Oct 03 j 03:05	6°≈20'22		max. Earth dist.	-12637 Sep 19 j 13:22	26°≈08'24	1.41196 AU
max. Earth dist.	-12638 Oct 07 j 12:08	13°≈52'06	1.39250 AU		-12637 Sep 21 j 20:04	0°≈	
superior conj	-12638 Oct 14 j 20:05	27°≈09'56	-1°31'14	superior conj	-12637 Sep 27 j 02:58	9°≈12'32	-1°15'32
minimum elong	-12638 Oct 14 j 18:04	27°≈00'29	1°30'24	minimum elong	-12637 Sep 26 j 23:20	8°≈56'27	1°14'25
	-12638 Oct 16 j 08:13	0°≈		evening rise	-12637 Oct 07 j 08:24	27°≈55'57	
evening rise	-12638 Oct 23 j 20:50	14°≈30'45			-12637 Oct 08 j 11:03	0°≈	
	-12638 Nov 01 j 05:37	0°≈		asc. node	-12637 Oct 23 j 02:03	23°≈20'11	
asc. node	-12638 Nov 05 j 04:48	6°≈06'49		evening max el	-12637 Oct 23 j 12:50	23°≈04'30	18°14'30
evening max el	-12638 Nov 09 j 05:52	10°≈53'15	18°41'45	retrograde	-12637 Oct 30 j 17:52	27°≈25'59	
retrograde	-12638 Nov 17 j 07:05	14°≈48'08		evening set	-12637 Nov 02 j 05:12	27°≈01'09	
evening set	-12638 Nov 19 j 18:27	14°≈27'22		inferior conj	-12637 Nov 09 j 11:01	22°≈11'06	4°01'14
inferior conj	-12638 Nov 27 j 12:47	9°≈59'10	4°17'10	minimum elong	-12637 Nov 09 j 07:59	22°≈17'42	4°01'20
minimum elong	-12638 Nov 27 j 12:17	10°≈00'06	4°17'27	min. Earth dist.	-12637 Nov 12 j 13:33	19°≈29'53	0.60326 AU
min. Earth dist.	-12638 Nov 30 j 16:38	7°≈36'53	0.58498 AU	morning rise	-12637 Nov 16 j 09:17	16°≈42'24	
morning rise	-12638 Dec 05 j 04:14	4°≈50'33		direct	-12637 Nov 23 j 04:38	14°≈37'15	
direct	-12638 Dec 11 j 05:47	3°≈20'24		morning max el	-12637 Dec 07 j 03:51	21°≈58'55	27°03'24
desc. node	-12638 Dec 23 j 11:40	8°≈57'16		desc. node	-12637 Dec 10 j 08:15	25°≈16'26	
morning max el	-12638 Dec 25 j 06:24	10°≈34'20	26°01'47		-12637 Dec 14 j 07:33	0°≈	
	-12637 Jan 09 j 05:00	0°≈			-12636 Jan 02 j 00:35	0°≈	
morning set	-12637 Jan 22 j 16:42	25°≈12'19		morning set	-12636 Jan 07 j 02:10	10°≈08'16	
	-12637 Jan 24 j 22:55	0°≈		max. Earth dist.	-12636 Jan 13 j 17:30	24°≈21'33	1.32797 AU
superior conj	-12637 Jan 29 j 15:50	10°≈13'09	-0°22'36	superior conj	-12636 Jan 14 j 03:44	25°≈17'25	-0°43'38
minimum elong	-12637 Jan 29 j 16:44	10°≈18'07	0°22'56	minimum elong	-12636 Jan 14 j 05:18	25°≈26'02	0°43'41
max. Earth dist.	-12637 Jan 30 j 04:01	11°≈19'38	1.32867 AU		-12636 Jan 16 j 07:29	0°≈	
asc. node	-12637 Feb 01 j 02:01	15°≈29'36		asc. node	-12636 Jan 18 j 23:21	5°≈45'22	
evening rise	-12637 Feb 05 j 19:55	25°≈33'24		evening rise	-12636 Jan 21 j 04:49	10°≈28'27	
	-12637 Feb 08 j 00:20	0°≈			-12636 Jan 31 j 08:46	0°≈	
	-12637 Feb 25 j 13:42	0°≈		evening max el	-12636 Feb 18 j 05:37	24°≈18'07	25°51'40
evening max el	-12637 Mar 08 j 06:47	12°≈47'59	26°53'20		-12636 Feb 26 j 01:28	0°≈	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12636 Mar 03 j 07:43	1° ♁ 32'21		evening max el	-12635 Jan 29 j 23:41	5° ♁ 18'19	24°27'35
desc. node	-12636 Mar 07 j 09:58	0° ♁ 51'26		retrograde	-12635 Feb 12 j 18:47	12° ♁ 10'46	
evening set	-12636 Mar 08 j 20:29	0° ♁ 18'12		evening set	-12635 Feb 17 j 06:09	11° ♁ 25'41	
	-12636 Mar 09 j 12:16	30° ♁		desc. node	-12635 Feb 22 j 06:51	9° ♁ 02'10	
min. Earth dist.	-12636 Mar 13 j 19:01	27° ♁ 23'47	0.58304 AU	min. Earth dist.	-12635 Feb 23 j 13:10	8° ♁ 15'52	0.56680 AU
inferior conj	-12636 Mar 16 j 23:51	25° ♁ 02'59	-2°11'21	inferior conj	-12635 Feb 26 j 00:28	6° ♁ 40'53	-0°55'27
minimum elong	-12636 Mar 16 j 20:26	25° ♁ 09'17	2°11'22	minimum elong	-12635 Feb 25 j 22:25	6° ♁ 44'13	0°55'33
morning rise	-12636 Mar 24 j 23:32	20° ♁ 36'48		morning rise	-12635 Mar 06 j 17:44	2° ♁ 30'59	
direct	-12636 Mar 27 j 06:31	20° ♁ 19'25		direct	-12635 Mar 08 j 21:21	2° ♁ 18'10	
morning max el	-12636 Apr 04 j 09:41	24° ♁ 12'51	18°41'50	morning max el	-12635 Mar 18 j 10:10	6° ♁ 48'57	19°30'53
	-12636 Apr 09 j 05:26	0° ♁			-12635 Apr 02 j 11:02	0° ♁	
asc. node	-12636 Apr 15 j 21:57	11° ♁ 05'25		asc. node	-12635 Apr 02 j 18:55	0° ♁ 38'32	
morning set	-12636 Apr 20 j 17:12	20° ♁ 11'12		morning set	-12635 Apr 04 j 15:48	4° ♁ 20'24	
	-12636 Apr 25 j 18:57	0° ♁					
superior conj	-12636 Apr 29 j 18:47	7° ♁ 35'17	1°37'38	superior conj	-12635 Apr 12 j 22:28	20° ♁ 50'53	1°20'48
minimum elong	-12636 Apr 29 j 15:58	7° ♁ 22'06	1°36'49	minimum elong	-12635 Apr 12 j 19:26	20° ♁ 35'59	1°19'43
max. Earth dist.	-12636 May 06 j 17:54	20° ♁ 16'14	1.39289 AU	max. Earth dist.	-12635 Apr 17 j 16:51	0° ♁	
evening rise	-12636 May 11 j 00:47	27° ♁ 41'46		evening rise	-12635 Apr 18 j 18:45	2° ♁ 00'57	1.37452 AU
	-12636 May 12 j 09:32	0° ♁			-12635 Apr 22 j 19:15	9° ♁ 20'05	
	-12636 May 31 j 20:32	0° ♁			-12635 May 05 j 04:06	0° ♁	
desc. node	-12636 Jun 03 j 07:51	3° ♁ 25'11		desc. node	-12635 May 21 j 05:20	22° ♁ 47'41	
evening max el	-12636 Jun 15 j 06:16	17° ♁ 55'04	23°53'39		-12635 May 27 j 10:17	0° ♁	
retrograde	-12636 Jun 26 j 00:43	24° ♁ 18'29		evening max el	-12635 May 28 j 15:45	1° ♁ 15'35	25°13'01
evening set	-12636 Jul 01 j 08:08	22° ♁ 00'48		retrograde	-12635 Jun 09 j 12:28	8° ♁ 14'32	
min. Earth dist.	-12636 Jul 06 j 03:12	16° ♁ 20'24	0.67167 AU	evening set	-12635 Jun 15 j 10:14	5° ♁ 39'32	
inferior conj	-12636 Jul 06 j 13:27	15° ♁ 45'20	-1°51'05	min. Earth dist.	-12635 Jun 19 j 19:38	0° ♁ 37'22	0.66751 AU
minimum elong	-12636 Jul 06 j 15:24	15° ♁ 38'38	1°50'16		-12635 Jun 20 j 06:57	30° ♁	
morning rise	-12636 Jul 11 j 22:38	9° ♁ 34'01		inferior conj	-12635 Jun 20 j 17:58	29° ♁ 23'29	-2°27'25
asc. node	-12636 Jul 12 j 23:07	8° ♁ 53'06		minimum elong	-12635 Jun 20 j 20:11	29° ♁ 16'09	2°26'51
direct	-12636 Jul 15 j 23:01	8° ♁ 02'34		morning rise	-12635 Jun 26 j 06:10	23° ♁ 22'03	
morning max el	-12636 Jul 24 j 09:45	13° ♁ 04'15	21°02'50	direct	-12635 Jun 29 j 20:35	22° ♁ 06'44	
	-12636 Aug 06 j 10:08	0° ♁		asc. node	-12635 Jun 29 j 19:52	22° ♁ 06'44	
morning set	-12636 Aug 22 j 23:18	25° ♁ 02'26		morning max el	-12635 Jul 07 j 09:55	26° ♁ 31'00	19°55'10
	-12636 Aug 26 j 02:57	0° ♁			-12635 Jul 10 j 11:05	0° ♁	
desc. node	-12636 Aug 30 j 04:24	6° ♁ 29'16			-12635 Jul 30 j 19:56	0° ♁	
max. Earth dist.	-12636 Aug 31 j 20:35	9° ♁ 12'00	1.42865 AU	morning set	-12635 Aug 02 j 02:52	3° ♁ 33'44	
				max. Earth dist.	-12635 Aug 14 j 09:13	22° ♁ 52'13	1.44032 AU
				desc. node	-12635 Aug 17 j 01:40	27° ♁ 10'15	
superior conj	-12636 Sep 07 j 09:37	20° ♁ 01'57	-0°47'50				
minimum elong	-12636 Sep 07 j 05:49	19° ♁ 45'57	0°46'37	superior conj	-12635 Aug 18 j 12:41	29° ♁ 31'25	-0°08'42
	-12636 Sep 13 j 05:11	0° ♁		minimum elong	-12635 Aug 18 j 11:49	29° ♁ 27'51	0°07'55
evening rise	-12636 Sep 19 j 06:15	10° ♁ 39'26		behind sun begin	-12635 Aug 18 j 02:19	28° ♁ 49'33	
	-12636 Sep 30 j 14:12	0° ♁		behind sun end	-12635 Aug 18 j 21:18	0° ♁ 06'13	
evening max el	-12636 Oct 06 j 00:41	7° ♁ 00'01	18°06'56		-12635 Aug 18 j 19:46	0° ♁	
asc. node	-12636 Oct 08 j 23:16	9° ♁ 23'10		evening rise	-12635 Sep 01 j 09:16	22° ♁ 28'44	
retrograde	-12636 Oct 12 j 18:39	10° ♁ 32'47			-12635 Sep 05 j 19:53	0° ♁	
evening set	-12636 Oct 15 j 07:53	10° ♁ 02'04		evening max el	-12635 Sep 19 j 14:28	20° ♁ 24'22	18°18'05
inferior conj	-12636 Oct 22 j 01:53	4° ♁ 51'26	3°26'25	asc. node	-12635 Sep 25 j 20:26	23° ♁ 59'38	
minimum elong	-12636 Oct 21 j 22:02	5° ♁ 00'59	3°26'12	retrograde	-12635 Sep 26 j 05:12	24° ♁ 00'21	
min. Earth dist.	-12636 Oct 24 j 19:19	2° ♁ 10'10	0.62113 AU	evening set	-12635 Sep 28 j 22:37	23° ♁ 21'12	
	-12636 Oct 27 j 05:58	30° ♁		inferior conj	-12635 Oct 05 j 06:03	17° ♁ 52'45	2°40'57
morning rise	-12636 Oct 28 j 11:03	29° ♁ 05'02		minimum elong	-12635 Oct 05 j 02:33	18° ♁ 02'24	2°40'40
direct	-12636 Nov 04 j 12:14	26° ♁ 34'56		min. Earth dist.	-12635 Oct 07 j 11:19	15° ♁ 26'08	0.63702 AU
	-12636 Nov 13 j 11:58	0° ♁		morning rise	-12635 Oct 11 j 05:38	11° ♁ 51'53	
morning max el	-12636 Nov 18 j 07:50	4° ♁ 03'26	27°32'06	direct	-12635 Oct 18 j 03:33	9° ♁ 09'48	
desc. node	-12636 Nov 26 j 04:50	12° ♁ 57'28		morning max el	-12635 Oct 31 j 16:17	16° ♁ 42'09	27°26'15
	-12636 Dec 07 j 19:55	0° ♁			-12635 Nov 11 j 21:27	0° ♁	
morning set	-12636 Dec 21 j 07:04	24° ♁ 48'12		desc. node	-12635 Nov 13 j 01:29	1° ♁ 36'57	
	-12636 Dec 23 j 19:22	0° ♁			-12635 Nov 30 j 11:39	0° ♁	
max. Earth dist.	-12636 Dec 27 j 04:30	7° ♁ 11'54	1.33070 AU	morning set	-12635 Dec 05 j 04:53	9° ♁ 03'28	
				max. Earth dist.	-12635 Dec 10 j 09:13	19° ♁ 38'17	1.33722 AU
superior conj	-12636 Dec 28 j 14:44	10° ♁ 17'03	-1°02'23				
minimum elong	-12636 Dec 28 j 16:42	10° ♁ 27'39	1°02'14	superior conj	-12635 Dec 12 j 23:08	25° ♁ 05'53	-1°18'04
evening rise	-12635 Jan 04 j 15:40	25° ♁ 26'35		minimum elong	-12635 Dec 13 j 01:05	25° ♁ 16'18	1°17'48
asc. node	-12635 Jan 04 j 20:43	25° ♁ 53'09			-12635 Dec 15 j 06:04	0° ♁	
	-12635 Jan 06 j 20:29	0° ♁		evening rise	-12635 Dec 20 j 02:50	10° ♁ 21'57	
	-12635 Jan 25 j 01:53	0° ♁		asc. node	-12635 Dec 22 j 18:08	15° ♁ 47'56	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12635 Dec 30 j 09:47	0°♌		evening max el	-12634 Dec 24 j 15:38	27°♑15'37	21°23'13
evening max el	-12634 Jan 11 j 17:13	16°♌09'42	22°53'45		-12634 Dec 28 j 01:33	0°♌	
retrograde	-12634 Jan 24 j 17:50	22°♌26'29		retrograde	-12633 Jan 05 j 08:34	2°♌46'22	
evening set	-12634 Jan 28 j 05:54	21°♌59'37		evening set	-12633 Jan 08 j 06:14	2°♌27'11	
min. Earth dist.	-12634 Feb 05 j 04:55	18°♌22'12	0.55678 AU		-12633 Jan 14 j 10:52	30°♑♑	
inferior conj	-12634 Feb 06 j 07:26	17°♌43'30	0°43'22	inferior conj	-12633 Jan 17 j 05:17	28°♑27'08	2°23'40
minimum elong	-12634 Feb 06 j 09:14	17°♌40'52	0°42'12	minimum elong	-12633 Jan 17 j 10:39	28°♑19'27	2°21'49
desc. node	-12634 Feb 09 j 03:40	16°♌06'45		min. Earth dist.	-12633 Jan 17 j 19:07	28°♑07'19	0.55504 AU
morning rise	-12634 Feb 15 j 14:04	13°♌39'51		morning rise	-12633 Jan 26 j 14:23	24°♑15'18	
direct	-12634 Feb 17 j 19:54	13°♌27'45		desc. node	-12633 Jan 27 j 00:22	24°♑10'25	
morning max el	-12634 Mar 01 j 00:28	18°♌47'41	20°39'16	direct	-12633 Jan 29 j 11:20	23°♑56'54	
	-12634 Mar 09 j 17:31	0°♌		morning max el	-12633 Feb 11 j 03:19	0°♌06'18	22°04'42
morning set	-12634 Mar 19 j 21:11	18°♌54'31			-12633 Feb 11 j 00:40	0°♌	
asc. node	-12634 Mar 20 j 15:57	20°♌30'31			-12633 Mar 02 j 10:49	0°♌	
	-12634 Mar 25 j 06:22	0°♌		morning set	-12633 Mar 04 j 06:58	3°♌46'33	
				asc. node	-12633 Mar 07 j 13:05	10°♌36'21	
superior conj	-12634 Mar 27 j 14:16	4°♌46'13	0°59'56				
minimum elong	-12634 Mar 27 j 11:46	4°♌33'33	0°58'45	superior conj	-12633 Mar 11 j 14:39	19°♌11'10	0°37'02
max. Earth dist.	-12634 Apr 01 j 01:51	13°♌43'30	1.35848 AU	minimum elong	-12633 Mar 11 j 13:05	19°♌02'56	0°35'57
evening rise	-12634 Apr 05 j 10:49	22°♌04'37		max. Earth dist.	-12633 Mar 14 j 19:13	25°♌48'00	1.34575 AU
	-12634 Apr 09 j 19:33	0°♌			-12633 Mar 16 j 21:01	0°♌	
	-12634 Apr 28 j 21:56	0°♌		evening rise	-12633 Mar 19 j 17:57	5°♌39'24	
desc. node	-12634 May 08 j 02:48	11°♌29'42			-12633 Apr 02 j 12:35	0°♌	
evening max el	-12634 May 11 j 01:47	14°♌36'12	26°20'33	evening max el	-12633 Apr 23 j 12:46	27°♌51'00	27°07'39
retrograde	-12634 May 23 j 19:37	21°♌58'33		desc. node	-12633 Apr 25 j 00:12	29°♌14'54	
evening set	-12634 May 30 j 05:57	19°♌13'24			-12633 Apr 25 j 20:27	0°♌	
min. Earth dist.	-12634 Jun 03 j 07:10	14°♌50'23	0.65965 AU	retrograde	-12633 May 06 j 21:28	5°♌24'03	
inferior conj	-12634 Jun 04 j 18:48	12°♌59'00	-2°56'18	evening set	-12633 May 13 j 16:41	2°♌39'05	
minimum elong	-12634 Jun 04 j 20:52	12°♌52'34	2°56'10		-12633 May 16 j 11:28	30°♑♑	
morning rise	-12634 Jun 10 j 11:56	7°♌10'09		min. Earth dist.	-12633 May 17 j 11:43	28°♌53'11	0.64792 AU
direct	-12634 Jun 13 j 18:16	6°♌08'59		inferior conj	-12633 May 19 j 13:44	26°♌28'57	-3°15'44
asc. node	-12634 Jun 16 j 16:35	6°♌55'22		minimum elong	-12633 May 19 j 15:06	26°♌24'59	3°16'02
morning max el	-12634 Jun 20 j 16:08	10°♌03'20	19°01'43	morning rise	-12633 May 25 j 13:58	20°♌55'17	
	-12634 Jul 04 j 19:58	0°♌		direct	-12633 May 28 j 13:54	20°♌06'21	
morning set	-12634 Jul 12 j 18:22	12°♌37'52		asc. node	-12633 Jun 03 j 13:18	23°♌06'20	
	-12634 Jul 23 j 16:47	0°♌		morning max el	-12633 Jun 04 j 03:02	23°♌39'49	18°24'43
max. Earth dist.	-12634 Jul 28 j 00:54	6°♌51'54	1.44556 AU		-12633 Jun 09 j 05:13	0°♌	
				morning set	-12633 Jun 23 j 09:26	22°♌47'11	
superior conj	-12634 Jul 28 j 17:43	7°♌58'29	0°36'06		-12633 Jun 27 j 18:13	0°♌	
minimum elong	-12634 Jul 28 j 21:58	8°♌15'16	0°36'06				
desc. node	-12634 Aug 03 j 23:03	17°♌51'06		superior conj	-12633 Jul 07 j 19:21	16°♌17'00	1°15'28
	-12634 Aug 11 j 12:57	0°♌		minimum elong	-12633 Jul 08 j 01:56	16°♌43'21	1°15'05
evening rise	-12634 Aug 13 j 11:35	3°♌08'13		max. Earth dist.	-12633 Jul 10 j 17:17	20°♌55'38	1.44380 AU
	-12634 Aug 30 j 19:36	0°♌			-12633 Jul 16 j 10:59	0°♌	
evening max el	-12634 Sep 03 j 03:15	3°♌54'16	18°46'54	desc. node	-12633 Jul 21 j 20:31	8°♌28'47	
retrograde	-12634 Sep 09 j 21:49	7°♌41'56		evening rise	-12633 Jul 24 j 10:23	12°♌31'05	
evening set	-12634 Sep 12 j 21:49	6°♌51'10		greatest brilliancy	-12633 Aug 03 j 22:49	28°♌52'13	-0.7m
asc. node	-12634 Sep 12 j 17:31	6°♌57'01			-12633 Aug 04 j 16:34	0°♌	
inferior conj	-12634 Sep 18 j 20:11	1°♌07'54	1°50'19	evening max el	-12633 Aug 17 j 12:20	17°♌25'06	19°32'14
minimum elong	-12634 Sep 18 j 17:40	1°♌15'29	1°50'14	retrograde	-12633 Aug 24 j 17:38	21°♌33'29	
	-12634 Sep 19 j 18:40	30°♑♑		evening set	-12633 Aug 28 j 02:31	20°♌27'40	
min. Earth dist.	-12634 Sep 20 j 12:48	29°♌05'43	0.65013 AU	asc. node	-12633 Aug 30 j 14:30	18°♌18'10	
morning rise	-12634 Sep 24 j 12:56	24°♌56'20		inferior conj	-12633 Sep 02 j 17:34	14°♌32'27	0°58'04
direct	-12634 Oct 01 j 01:30	22°♌14'31		minimum elong	-12633 Sep 02 j 16:14	14°♌36'44	0°58'21
morning max el	-12634 Oct 14 j 02:26	29°♌42'54	26°49'36	min. Earth dist.	-12633 Sep 03 j 22:11	13°♌00'21	0.66018 AU
	-12634 Oct 14 j 09:20	0°♌		morning rise	-12633 Sep 08 j 05:37	8°♌14'05	
desc. node	-12634 Oct 30 j 22:10	20°♌57'31		direct	-12633 Sep 14 j 05:18	5°♌41'51	
	-12634 Nov 05 j 18:24	0°♌		morning max el	-12633 Sep 26 j 12:34	12°♌55'04	25°48'56
morning set	-12634 Nov 18 j 16:20	22°♌43'13			-12633 Oct 10 j 10:50	0°♌	
	-12634 Nov 22 j 09:46	0°♌		desc. node	-12633 Oct 17 j 18:56	10°♌47'27	
max. Earth dist.	-12634 Nov 23 j 04:23	1°♌33'18	1.34791 AU		-12633 Oct 29 j 10:32	0°♌	
				morning set	-12633 Nov 01 j 13:12	5°♌35'04	
superior conj	-12634 Nov 27 j 02:47	9°♌36'35	-1°29'44	max. Earth dist.	-12633 Nov 05 j 13:08	13°♌03'17	1.36286 AU
minimum elong	-12634 Nov 27 j 04:16	9°♌44'23	1°29'21				
evening rise	-12634 Dec 04 j 12:39	25°♌08'42		superior conj	-12633 Nov 10 j 23:04	23°♌40'44	-1°36'05
	-12634 Dec 06 j 21:37	0°♌		minimum elong	-12633 Nov 10 j 23:34	23°♌43'19	1°35'36
asc. node	-12634 Dec 09 j 15:34	5°♌23'47			-12633 Nov 14 j 01:49	0°♌	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12633 Nov 18 j 19:21	9° \mathbb{M} 41'15			-12632 Oct 20 j 14:07	0° \mathcal{O}	
asc. node	-12633 Nov 26 j 12:59	24° \mathbb{M} 33'11					
	-12633 Nov 29 j 20:28	0° \mathcal{O}		superior conj	-12632 Oct 24 j 08:34	7° \mathcal{O} 08'23	-1°35'31
evening max el	-12633 Dec 06 j 22:56	8° \mathcal{O} 50'43	20°05'38	minimum elong	-12632 Oct 24 j 07:34	7° \mathcal{O} 03'35	1°34'50
retrograde	-12633 Dec 17 j 02:12	13° \mathcal{O} 36'30		evening rise	-12632 Nov 01 j 20:52	23° \mathcal{O} 53'52	
evening set	-12633 Dec 19 j 17:18	13° \mathcal{O} 18'44			-12632 Nov 04 j 23:42	0° \mathbb{M}	
inferior conj	-12633 Dec 28 j 06:57	9° \mathcal{O} 16'36	3°38'20	asc. node	-12632 Nov 12 j 10:21	13° \mathbb{M} 07'16	
minimum elong	-12633 Dec 28 j 12:03	9° \mathcal{O} 08'46	3°37'19	evening max el	-12632 Nov 18 j 16:30	21° \mathbb{M} 00'19	19°06'30
min. Earth dist.	-12633 Dec 30 j 08:07	8° \mathcal{O} 01'23	0.56177 AU	retrograde	-12632 Nov 27 j 09:51	25° \mathbb{M} 10'40	
morning rise	-12632 Jan 06 j 04:59	4° \mathcal{O} 44'49		evening set	-12632 Nov 29 j 21:53	24° \mathbb{M} 51'33	
direct	-12632 Jan 10 j 06:28	4° \mathcal{O} 08'19		inferior conj	-12632 Dec 07 j 23:26	20° \mathbb{M} 34'27	4°13'40
desc. node	-12632 Jan 13 j 21:00	4° \mathcal{O} 37'58		minimum elong	-12632 Dec 08 j 01:04	20° \mathbb{M} 31'35	4°13'44
morning max el	-12632 Jan 23 j 20:57	10° \mathcal{O} 54'11	23°40'36	min. Earth dist.	-12632 Dec 10 j 21:53	18° \mathbb{M} 32'25	0.57524 AU
	-12632 Feb 07 j 00:40	0° \mathbb{M}		morning rise	-12632 Dec 16 j 02:16	15° \mathbb{M} 38'36	
morning set	-12632 Feb 16 j 19:01	18° \mathbb{M} 48'32		direct	-12632 Dec 21 j 11:52	14° \mathbb{M} 30'28	
asc. node	-12632 Feb 22 j 10:17	0° \mathcal{O} 50'39		desc. node	-12632 Dec 30 j 17:35	17° \mathbb{M} 44'04	
	-12632 Feb 22 j 00:53	0° \mathcal{O}		morning max el	-12631 Jan 04 j 11:41	21° \mathbb{M} 37'17	25°14'32
					-12631 Jan 11 j 19:32	0° \mathcal{O}	
superior conj	-12632 Feb 23 j 20:51	3° \mathcal{O} 56'11	0°13'28		-12631 Jan 29 j 10:24	0° \mathbb{M}	
minimum elong	-12632 Feb 23 j 20:18	3° \mathcal{O} 53'15	0°12'39	morning set	-12631 Jan 31 j 07:30	3° \mathbb{M} 53'51	
behind sun begin	-12632 Feb 23 j 17:10	3° \mathcal{O} 36'30					
behind sun end	-12632 Feb 23 j 23:25	4° \mathcal{O} 10'00		superior conj	-12631 Feb 07 j 06:42	18° \mathbb{M} 54'07	-0°09'44
max. Earth dist.	-12632 Feb 25 j 22:17	8° \mathcal{O} 19'37	1.33649 AU	minimum elong	-12631 Feb 07 j 07:07	18° \mathbb{M} 56'25	0°10'15
evening rise	-12632 Mar 02 j 12:05	19° \mathcal{O} 49'21		behind sun begin	-12631 Feb 07 j 03:15	18° \mathbb{M} 35'25	
	-12632 Mar 07 j 18:55	0° \mathcal{O}		behind sun end	-12631 Feb 07 j 10:59	19° \mathbb{M} 17'24	
	-12632 Mar 26 j 15:28	0° \approx		asc. node	-12631 Feb 08 j 07:34	21° \mathbb{M} 09'02	
evening max el	-12632 Apr 04 j 22:56	10° \approx 47'31	27°27'17	max. Earth dist.	-12631 Feb 08 j 08:06	21° \mathbb{M} 11'55	1.33061 AU
desc. node	-12632 Apr 10 j 21:28	15° \approx 39'38			-12631 Feb 12 j 10:59	0° \mathcal{O}	
retrograde	-12632 Apr 18 j 17:11	18° \approx 22'30		evening rise	-12631 Feb 14 j 13:54	4° \mathcal{O} 23'39	
evening set	-12632 Apr 25 j 15:21	15° \approx 50'05			-12631 Feb 28 j 13:04	0° \mathcal{O}	
min. Earth dist.	-12632 Apr 29 j 07:36	12° \approx 34'53	0.63242 AU	evening max el	-12631 Mar 18 j 05:52	23° \mathcal{O} 14'17	27°14'59
inferior conj	-12632 May 01 j 23:59	9° \approx 47'36	-3°22'48		-12631 Mar 28 j 01:59	0° \approx	
minimum elong	-12632 May 02 j 00:06	9° \approx 47'17	3°23'25	desc. node	-12631 Mar 28 j 18:37	0° \approx 13'45	
morning rise	-12632 May 08 j 09:52	4° \approx 31'29		retrograde	-12631 Apr 01 j 06:07	0° \approx 46'02	
direct	-12632 May 11 j 04:34	3° \approx 53'13			-12631 Apr 05 j 06:38	30° \mathcal{R}	
morning max el	-12632 May 17 j 16:32	7° \approx 16'11	18°05'25	evening set	-12631 Apr 07 j 22:43	28° \mathcal{O} 38'32	
asc. node	-12632 May 20 j 10:03	10° \approx 23'20		min. Earth dist.	-12631 Apr 11 j 18:22	25° \mathcal{O} 42'37	0.61387 AU
	-12632 Jun 01 j 16:44	0° \mathcal{H}		inferior conj	-12631 Apr 14 j 22:20	22° \mathcal{O} 48'25	-3°13'20
morning set	-12632 Jun 04 j 01:17	4° \mathcal{H} 05'43		minimum elong	-12631 Apr 14 j 20:46	22° \mathcal{O} 52'01	3°13'56
				morning rise	-12631 Apr 21 j 20:44	17° \mathcal{O} 51'38	
superior conj	-12632 Jun 16 j 14:24	25° \mathcal{H} 26'41	1°40'18	direct	-12631 Apr 24 j 10:44	17° \mathcal{O} 22'44	
minimum elong	-12632 Jun 16 j 18:34	25° \mathcal{H} 43'54	1°40'00	morning max el	-12631 May 01 j 06:09	20° \mathcal{O} 46'58	18°04'31
	-12632 Jun 19 j 08:55	0° \mathcal{Y}		asc. node	-12631 May 07 j 06:51	28° \mathcal{O} 32'16	
max. Earth dist.	-12632 Jun 22 j 07:14	4° \mathcal{Y} 45'14	1.43527 AU		-12631 May 08 j 05:11	0° \approx	
evening rise	-12632 Jul 02 j 13:02	20° \mathcal{Y} 57'18		morning set	-12631 May 17 j 14:14	16° \approx 25'46	
desc. node	-12632 Jul 07 j 18:03	28° \mathcal{Y} 59'37			-12631 May 25 j 03:01	0° \mathcal{H}	
	-12632 Jul 08 j 09:51	0° \mathcal{B}					
	-12632 Jul 29 j 19:17	0° \mathbb{I}		superior conj	-12631 May 28 j 12:10	5° \mathcal{H} 55'36	1°48'52
evening max el	-12632 Jul 30 j 15:23	0° \mathbb{I} 52'52	20°32'38	minimum elong	-12631 May 28 j 12:33	5° \mathcal{H} 57'17	1°48'32
retrograde	-12632 Aug 07 j 14:23	5° \mathbb{I} 31'40		max. Earth dist.	-12631 Jun 04 j 15:46	18° \mathcal{H} 02'23	1.42120 AU
evening set	-12632 Aug 11 j 10:15	4° \mathbb{I} 07'36		evening rise	-12631 Jun 11 j 16:14	29° \mathcal{H} 25'01	
	-12632 Aug 15 j 08:40	30° \mathcal{R}			-12631 Jun 12 j 01:04	0° \mathcal{Y}	
asc. node	-12632 Aug 16 j 11:22	28° \mathcal{B} 31'54		desc. node	-12631 Jun 24 j 15:36	19° \mathcal{O} 19'18	
inferior conj	-12632 Aug 16 j 19:52	28° \mathcal{B} 03'17	0°06'37		-12631 Jul 02 j 01:23	0° \mathcal{B}	
minimum elong	-12632 Aug 16 j 19:43	28° \mathcal{B} 03'50	0°07'14	evening max el	-12631 Jul 13 j 11:17	14° \mathcal{B} 15'15	21°45'27
transit middle	-12632 Aug 16 j 19:43	28° \mathcal{B} 03'50	0°07'14	retrograde	-12631 Jul 22 j 10:10	19° \mathcal{B} 32'59	
transit begin	-12632 Aug 16 j 17:15	28° \mathcal{B} 12'07		evening set	-12631 Jul 26 j 18:51	17° \mathcal{B} 48'23	
transit end	-12632 Aug 16 j 22:10	27° \mathcal{B} 55'33		inferior conj	-12631 Aug 01 j 01:05	11° \mathcal{B} 37'46	-0°42'22
min. Earth dist.	-12632 Aug 17 j 13:21	27° \mathcal{B} 04'23	0.66715 AU	minimum elong	-12631 Aug 01 j 01:56	11° \mathcal{B} 34'48	0°41'32
morning rise	-12632 Aug 22 j 05:00	21° \mathcal{B} 42'00		min. Earth dist.	-12631 Aug 01 j 07:59	11° \mathcal{B} 13'58	0.67122 AU
direct	-12632 Aug 27 j 14:27	19° \mathcal{B} 24'58		asc. node	-12631 Aug 03 j 08:12	8° \mathcal{B} 32'33	
morning max el	-12632 Sep 07 j 22:30	26° \mathcal{B} 11'07	24°32'37	morning rise	-12631 Aug 06 j 08:56	5° \mathcal{B} 17'19	
	-12632 Sep 11 j 10:55	0° \mathbb{I}		direct	-12631 Aug 11 j 04:26	3° \mathcal{B} 17'54	
	-12632 Oct 03 j 00:58	0° \mathcal{O}		morning max el	-12631 Aug 21 j 09:27	9° \mathcal{B} 26'48	23°09'10
desc. node	-12632 Oct 03 j 15:49	0° \mathcal{O} 58'19			-12631 Sep 06 j 11:04	0° \mathbb{I}	
morning set	-12632 Oct 13 j 14:26	17° \mathcal{O} 25'41		desc. node	-12631 Sep 20 j 12:47	21° \mathbb{I} 22'57	
max. Earth dist.	-12632 Oct 17 j 14:18	24° \mathcal{O} 30'30	1.38114 AU	morning set	-12631 Sep 24 j 14:57	28° \mathbb{I} 01'54	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12631 Sep 25 j 19:25	0°☿		morning set	-12630 Sep 04 j 13:35	7°♊23'50	
max. Earth dist.	-12631 Sep 29 j 13:31	6°☿21'25	1.40087 AU	desc. node	-12630 Sep 07 j 09:53	11°♊56'50	
				max. Earth dist.	-12630 Sep 11 j 16:32	18°♊55'39	1.41947 AU
superior conj	-12631 Oct 07 j 02:40	19°☿45'32	-1°25'58		-12630 Sep 18 j 05:47	0°☿	
minimum elong	-12631 Oct 06 j 23:53	19°☿32'51	1°25'00				
	-12631 Oct 12 j 14:18	0°♌		superior conj	-12630 Sep 18 j 23:52	1°☿18'16	-1°05'18
evening rise	-12631 Oct 16 j 14:26	7°♌38'20		minimum elong	-12630 Sep 18 j 19:53	1°☿01'01	1°04'06
	-12631 Oct 29 j 14:50	0°♍		evening rise	-12630 Sep 29 j 20:42	20°☿46'35	
asc. node	-12631 Oct 30 j 07:39	0°♍53'54			-12630 Oct 04 j 22:46	0°♌	
evening max el	-12631 Nov 01 j 19:15	3°♍39'55	18°27'41	evening max el	-12630 Oct 16 j 04:41	16°♌42'48	18°09'00
retrograde	-12631 Nov 09 j 10:59	7°♍26'47		asc. node	-12630 Oct 17 j 04:53	17°♌39'12	
evening set	-12631 Nov 11 j 21:56	7°♍04'38		retrograde	-12630 Oct 23 j 04:00	20°♌17'29	
inferior conj	-12631 Nov 19 j 10:55	2°♍27'13	4°13'23	evening set	-12630 Oct 25 j 15:52	19°♌50'28	
minimum elong	-12631 Nov 19 j 09:07	2°♍30'49	4°13'38	inferior conj	-12630 Nov 01 j 16:35	14°♌51'47	3°48'12
min. Earth dist.	-12631 Nov 22 j 15:30	29°♌54'16	0.59263 AU	minimum elong	-12630 Nov 01 j 13:01	15°♌00'00	3°48'09
	-12631 Nov 22 j 12:32	30°♌♌		min. Earth dist.	-12630 Nov 04 j 16:04	12°♌08'06	0.61104 AU
morning rise	-12631 Nov 26 j 18:32	27°♌09'22		morning rise	-12630 Nov 08 j 08:48	9°♌15'11	
direct	-12631 Dec 03 j 04:56	25°♌23'34		direct	-12630 Nov 15 j 08:06	6°♌57'30	
	-12631 Dec 14 j 03:45	0°♍		morning max el	-12630 Nov 29 j 05:59	14°♌22'48	27°19'43
morning max el	-12631 Dec 17 j 05:45	2°♍41'46	26°31'33	desc. node	-12630 Dec 04 j 10:43	19°♌58'59	
desc. node	-12631 Dec 17 j 14:09	3°♍02'01			-12630 Dec 11 j 23:56	0°♍	
	-12630 Jan 05 j 23:55	0°♎			-12630 Dec 29 j 06:12	0°♎	
morning set	-12630 Jan 15 j 18:36	18°♎55'02		morning set	-12630 Dec 31 j 02:24	3°♎44'56	
	-12630 Jan 20 j 22:46	0°♏		max. Earth dist.	-12629 Jan 06 j 09:49	17°♎10'32	1.32870 AU
superior conj	-12630 Jan 22 j 18:20	3°♏57'47	-0°31'46	superior conj	-12629 Jan 07 j 06:05	19°♎00'57	-0°51'55
minimum elong	-12630 Jan 22 j 19:33	4°♏04'28	0°31'58	minimum elong	-12629 Jan 07 j 07:52	19°♎10'38	0°51'52
max. Earth dist.	-12630 Jan 22 j 21:07	4°♏12'57	1.32797 AU		-12629 Jan 12 j 07:34	0°♏	
asc. node	-12630 Jan 26 j 04:54	11°♏26'51		asc. node	-12629 Jan 13 j 02:16	1°♏39'45	
evening rise	-12630 Jan 29 j 20:47	19°♏12'58		evening rise	-12629 Jan 14 j 06:44	4°♏10'02	
	-12630 Feb 04 j 06:26	0°♐			-12629 Jan 28 j 06:37	0°♐	
	-12630 Feb 23 j 14:00	0°♑		evening max el	-12629 Feb 10 j 04:26	16°♐20'54	25°17'58
evening max el	-12630 Feb 28 j 07:47	5°♑04'46	26°30'20	retrograde	-12629 Feb 24 j 05:03	23°♐27'20	
retrograde	-12630 Mar 14 j 10:55	12°♑28'04		evening set	-12629 Mar 01 j 06:57	22°♐26'58	
desc. node	-12630 Mar 15 j 15:38	12°♑24'23		desc. node	-12629 Mar 02 j 12:36	21°♐55'04	
evening set	-12630 Mar 20 j 12:06	10°♑54'08		min. Earth dist.	-12629 Mar 06 j 18:09	19°♐27'06	0.57554 AU
min. Earth dist.	-12630 Mar 24 j 21:12	8°♑02'57	0.59398 AU	inferior conj	-12629 Mar 09 j 17:19	17°♐24'06	-1°42'40
inferior conj	-12630 Mar 28 j 05:11	5°♑23'24	-2°41'48	minimum elong	-12629 Mar 09 j 14:08	17°♐29'38	1°42'35
minimum elong	-12630 Mar 28 j 02:06	5°♑29'35	2°42'02	morning rise	-12629 Mar 18 j 00:34	13°♐05'16	
morning rise	-12630 Apr 04 j 18:59	0°♑46'25		direct	-12629 Mar 20 j 05:40	12°♐50'15	
direct	-12630 Apr 07 j 04:20	0°♑25'28		morning max el	-12629 Mar 28 j 22:14	16°♐58'20	19°00'13
morning max el	-12630 Apr 14 j 17:05	4°♑04'23	18°22'37		-12629 Apr 07 j 08:37	0°♑	
asc. node	-12630 Apr 24 j 03:43	17°♑21'26		asc. node	-12629 Apr 11 j 00:40	6°♑40'50	
morning set	-12630 Apr 30 j 19:36	29°♑36'59		morning set	-12629 Apr 14 j 13:00	13°♑28'03	
	-12630 May 01 j 00:28	0°♒					
superior conj	-12630 May 10 j 11:05	17°♒40'46	1°44'27	superior conj	-12629 Apr 23 j 05:48	0°♒27'27	1°31'09
minimum elong	-12630 May 10 j 08:58	17°♒31'06	1°43'50	minimum elong	-12629 Apr 23 j 02:46	0°♒12'54	1°30'11
	-12630 May 17 j 09:42	0°♓			-12629 Apr 23 j 00:04	0°♒	
max. Earth dist.	-12630 May 17 j 18:26	0°♓37'34	1.40360 AU	max. Earth dist.	-12629 Apr 29 j 18:31	12°♒36'02	1.38492 AU
evening rise	-12630 May 22 j 16:33	8°♓55'24		evening rise	-12629 May 03 j 20:28	19°♒49'13	
	-12630 Jun 05 j 02:22	0°♔			-12629 May 09 j 21:32	0°♓	
desc. node	-12630 Jun 11 j 13:09	9°♔22'49		desc. node	-12629 May 29 j 10:42	29°♓02'57	
evening max el	-12630 Jun 26 j 01:01	27°♔34'49	23°06'13		-12629 May 30 j 04:05	0°♔	
	-12630 Jun 28 j 15:20	0°♕		evening max el	-12629 Jun 08 j 11:20	10°♔54'48	24°28'24
retrograde	-12630 Jul 06 j 03:37	3°♕35'10		retrograde	-12629 Jun 19 j 17:32	17°♔34'24	
evening set	-12630 Jul 11 j 02:26	1°♕29'23		evening set	-12629 Jun 25 j 07:05	15°♔09'01	
	-12630 Jul 12 j 14:47	30°♕♔		min. Earth dist.	-12629 Jun 29 j 21:59	9°♔44'24	0.67032 AU
inferior conj	-12630 Jul 16 j 07:25	25°♔14'58	-1°27'26	inferior conj	-12629 Jun 30 j 13:07	8°♔53'09	-2°07'20
minimum elong	-12630 Jul 16 j 09:04	25°♔09'19	1°26'33	minimum elong	-12629 Jun 30 j 15:14	8°♔46'00	2°06'36
min. Earth dist.	-12630 Jul 16 j 03:40	25°♔27'59	0.67236 AU	morning rise	-12629 Jul 05 j 23:21	2°♔45'26	
asc. node	-12630 Jul 21 j 04:58	19°♔21'27		asc. node	-12629 Jul 08 j 01:43	1°♔37'53	
morning rise	-12630 Jul 21 j 15:37	18°♔59'07		direct	-12629 Jul 09 j 19:19	1°♔20'52	
direct	-12630 Jul 25 j 22:30	17°♔17'37		morning max el	-12629 Jul 17 j 20:11	6°♔05'52	20°32'25
morning max el	-12630 Aug 03 j 23:56	22°♔43'59	21°46'51		-12629 Aug 04 j 08:56	0°♕	
	-12630 Aug 10 j 03:51	0°♖		morning set	-12629 Aug 14 j 18:50	15°♕58'07	
	-12630 Aug 30 j 20:15	0°♗			-12629 Aug 23 j 16:18	0°♗	
				max. Earth dist.	-12629 Aug 25 j 01:55	2°♗15'03	1.43434 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12629 Aug 25 j 07:06	2° Π 35'56		morning set	-12628 Jul 24 j 01:22	24° Υ 37'40	
					-12628 Jul 27 j 11:28	0° δ	
superior conj	-12629 Aug 30 j 18:51	11° Π 33'24	-0°32'26	max. Earth dist.	-12628 Aug 06 j 16:41	16° δ 07'22	1.44345 AU
minimum elong	-12629 Aug 30 j 15:52	11° Π 21'03	0°31'20				
	-12629 Sep 10 j 15:54	0° δ		superior conj	-12628 Aug 09 j 11:00	20° δ 31'21	0°10'14
evening rise	-12629 Sep 12 j 11:09	3° δ 07'55		minimum elong	-12628 Aug 09 j 12:16	20° δ 36'24	0°10'42
evening max el	-12629 Sep 29 j 17:47	0° Ω 01'10	18°09'34	behind sun begin	-12628 Aug 09 j 03:46	20° δ 02'28	
	-12629 Sep 29 j 17:19	0° Ω		behind sun end	-12628 Aug 09 j 20:46	21° δ 10'23	
asc. node	-12629 Oct 04 j 02:03	3° Ω 07'11		desc. node	-12628 Aug 11 j 04:25	23° δ 17'02	
retrograde	-12629 Oct 06 j 09:18	3° Ω 33'53			-12628 Aug 15 j 08:25	0° Π	
evening set	-12629 Oct 09 j 00:08	2° Ω 59'48		evening rise	-12628 Aug 24 j 04:16	14° Π 28'59	
	-12629 Oct 13 j 05:49	30° κ δ			-12628 Sep 02 j 14:24	0° δ	
inferior conj	-12629 Oct 15 j 13:28	27° δ 41'19	3°08'02	evening max el	-12628 Sep 12 j 07:28	13° δ 28'10	18°28'16
minimum elong	-12629 Oct 15 j 09:39	27° δ 51'12	3°07'46	retrograde	-12628 Sep 18 j 22:52	17° δ 07'59	
min. Earth dist.	-12629 Oct 18 j 01:56	25° δ 04'54	0.62820 AU	asc. node	-12628 Sep 19 j 23:11	17° δ 02'20	
morning rise	-12629 Oct 21 j 18:13	21° δ 48'42		evening set	-12628 Sep 21 j 18:53	16° δ 24'08	
direct	-12629 Oct 28 j 19:09	19° δ 11'48		inferior conj	-12628 Sep 27 j 22:12	10° δ 48'45	2°19'51
morning max el	-12629 Nov 11 j 11:55	26° δ 41'55	27°33'45	minimum elong	-12628 Sep 27 j 19:04	10° δ 57'44	2°19'38
	-12629 Nov 14 j 16:13	0° Ω		min. Earth dist.	-12628 Sep 29 j 21:56	8° δ 31'57	0.64292 AU
desc. node	-12629 Nov 21 j 07:20	8° Ω 07'15		morning rise	-12628 Oct 03 j 18:36	4° δ 43'00	
	-12629 Dec 05 j 11:41	0° η		direct	-12628 Oct 10 j 13:04	2° δ 00'03	
morning set	-12629 Dec 15 j 04:40	18° η 15'48		morning max el	-12628 Oct 23 j 21:24	9° δ 31'13	27°14'17
	-12629 Dec 20 j 20:02	0° $\underline{\Omega}$		desc. node	-12628 Nov 07 j 03:58	27° δ 05'35	
max. Earth dist.	-12629 Dec 20 j 18:37	29° η 52'23	1.33298 AU		-12628 Nov 09 j 03:38	0° Ω	
					-12628 Nov 26 j 18:14	0° η	
superior conj	-12629 Dec 22 j 16:16	3° $\underline{\Omega}$ 57'24	-1°09'27	morning set	-12628 Nov 27 j 22:31	2° η 17'05	
minimum elong	-12629 Dec 22 j 18:17	4° $\underline{\Omega}$ 08'12	1°09'15	max. Earth dist.	-12628 Dec 02 j 19:51	12° η 06'56	1.34122 AU
evening rise	-12629 Dec 29 j 17:58	19° $\underline{\Omega}$ 08'28					
asc. node	-12629 Dec 30 j 23:39	21° $\underline{\Omega}$ 43'08		superior conj	-12628 Dec 05 j 22:53	18° η 39'10	-1°23'35
	-12628 Jan 04 j 03:14	0° \mathbb{L}		minimum elong	-12628 Dec 06 j 00:43	18° η 48'48	1°23'15
evening max el	-12628 Jan 22 j 21:57	27° \mathbb{L} 16'08	23°48'09		-12628 Dec 11 j 06:58	0° $\underline{\Omega}$	
	-12628 Jan 26 j 03:47	0° \mathcal{A}		evening rise	-12628 Dec 13 j 04:46	4° $\underline{\Omega}$ 00'58	
retrograde	-12628 Feb 05 j 10:32	3° \mathcal{A} 54'15		asc. node	-12628 Dec 16 j 21:04	11° $\underline{\Omega}$ 30'47	
evening set	-12628 Feb 09 j 11:22	3° \mathcal{A} 18'24			-12628 Dec 27 j 17:00	0° \mathbb{L}	
	-12628 Feb 16 j 10:17	30° κ \mathbb{L}		evening max el	-12627 Jan 03 j 16:49	8° \mathbb{L} 10'42	22°14'12
min. Earth dist.	-12628 Feb 16 j 11:09	29° \mathbb{L} 58'41	0.56168 AU	retrograde	-12627 Jan 16 j 05:01	14° \mathbb{L} 08'47	
desc. node	-12628 Feb 17 j 09:27	29° \mathbb{L} 24'48		evening set	-12627 Jan 19 j 10:05	13° \mathbb{L} 46'02	
inferior conj	-12628 Feb 18 j 10:00	28° \mathbb{L} 47'10	-0°15'29	inferior conj	-12627 Jan 28 j 11:38	9° \mathbb{L} 38'42	1°27'22
minimum elong	-12628 Feb 18 j 09:21	28° \mathbb{L} 48'09	0°15'57	minimum elong	-12627 Jan 28 j 15:14	9° \mathbb{L} 33'32	1°25'45
morning rise	-12628 Feb 27 j 09:48	24° \mathbb{L} 41'12		min. Earth dist.	-12627 Jan 28 j 01:48	9° \mathbb{L} 52'46	0.55500 AU
direct	-12628 Feb 29 j 13:29	24° \mathbb{L} 29'10		desc. node	-12627 Feb 03 j 06:13	6° \mathbb{L} 39'46	
morning max el	-12628 Mar 10 j 18:40	29° \mathbb{L} 19'48	19°57'32	morning rise	-12627 Feb 06 j 21:04	5° \mathbb{L} 33'55	
	-12628 Mar 11 j 11:05	0° \mathcal{A}		direct	-12627 Feb 09 j 07:35	5° \mathbb{L} 20'15	
asc. node	-12628 Mar 27 j 21:41	26° \mathcal{A} 23'21		morning max el	-12627 Feb 21 j 04:05	11° \mathbb{L} 01'15	21°13'46
morning set	-12628 Mar 28 j 14:54	27° \mathcal{A} 49'45			-12627 Mar 06 j 12:57	0° \mathcal{A}	
	-12628 Mar 29 j 16:42	0° \mathcal{Z}		morning set	-12627 Mar 12 j 22:27	12° \mathcal{A} 32'47	
				asc. node	-12627 Mar 14 j 18:47	16° \mathcal{A} 22'06	
superior conj	-12628 Apr 05 j 15:12	14° \mathcal{Z} 01'51	1°12'19				
minimum elong	-12628 Apr 05 j 12:19	13° \mathcal{Z} 47'31	1°11'09	superior conj	-12627 Mar 20 j 11:03	28° \mathcal{A} 11'17	0°50'23
max. Earth dist.	-12628 Apr 10 j 21:50	24° \mathcal{Z} 18'50	1.36745 AU	minimum elong	-12627 Mar 20 j 08:55	28° \mathcal{A} 00'19	0°49'14
	-12628 Apr 13 j 22:50	0° \approx			-12627 Mar 21 j 08:12	0° \mathcal{Z}	
evening rise	-12628 Apr 15 j 00:44	1° \approx 58'26		max. Earth dist.	-12627 Mar 24 j 09:19	6° \mathcal{Z} 09'54	1.35268 AU
	-12628 May 01 j 23:28	0° \mathcal{H}		evening rise	-12627 Mar 28 j 23:32	15° \mathcal{Z} 06'07	
desc. node	-12628 May 15 j 08:11	18° \mathcal{H} 09'59			-12627 Apr 06 j 06:07	0° \approx	
evening max el	-12628 May 20 j 21:05	24° \mathcal{H} 16'34	25°43'38		-12627 Apr 26 j 12:27	0° \mathcal{H}	
	-12628 May 28 j 02:58	0° Υ		desc. node	-12627 May 02 j 05:38	6° \mathcal{H} 30'18	
retrograde	-12628 Jun 02 j 03:13	1° Υ 26'05		evening max el	-12627 May 03 j 07:31	7° \mathcal{H} 35'42	26°43'22
	-12628 Jun 06 j 16:04	30° κ \mathcal{H}		retrograde	-12627 May 16 j 08:08	15° \mathcal{H} 03'44	
evening set	-12628 Jun 08 j 06:44	28° \mathcal{H} 45'50		evening set	-12627 May 22 j 23:01	12° \mathcal{H} 16'56	
min. Earth dist.	-12628 Jun 12 j 12:33	24° \mathcal{H} 00'24	0.66474 AU	min. Earth dist.	-12627 May 26 j 21:13	8° \mathcal{H} 10'31	0.65523 AU
inferior conj	-12628 Jun 13 j 16:20	22° \mathcal{H} 30'28	-2°40'41	inferior conj	-12627 May 28 j 14:58	6° \mathcal{H} 04'10	-3°05'51
minimum elong	-12628 Jun 13 j 18:33	22° \mathcal{H} 23'19	2°40'17	minimum elong	-12627 May 28 j 16:48	5° \mathcal{H} 58'37	3°05'54
morning rise	-12628 Jun 19 j 06:24	16° \mathcal{H} 34'05		morning rise	-12627 Jun 03 j 10:52	0° \mathcal{H} 21'46	
direct	-12628 Jun 22 j 17:16	15° \mathcal{H} 24'54			-12627 Jun 04 j 03:31	30° κ \approx	
asc. node	-12628 Jun 23 j 22:28	15° \mathcal{H} 33'06		direct	-12627 Jun 06 j 14:19	29° \approx 26'04	
morning max el	-12628 Jun 29 j 23:00	19° \mathcal{H} 34'52	19°30'28		-12627 Jun 09 j 02:18	0° \mathcal{H}	
	-12628 Jul 08 j 01:32	0° Υ		asc. node	-12627 Jun 10 j 19:12	0° \mathcal{H} 59'02	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12627 Jun 13 j 07:33	3° H 10'04	18°43'53			-12626 Jun 06 j 08:24	0° H	
	-12627 Jul 01 j 13:01	0° Y		morning set		-12626 Jun 15 j 04:03	14° H 47'03	
morning set	-12627 Jul 04 j 02:13	4° Y 08'07				-12626 Jun 24 j 06:30	0° Y	
superior conj	-12627 Jul 19 j 11:46	28° Y 46'54	0°54'11	superior conj		-12626 Jun 28 j 18:49	7° Y 21'47	1°28'04
minimum elong	-12627 Jul 19 j 17:38	29° Y 10'07	0°53'55	minimum elong		-12626 Jun 29 j 00:49	7° Y 46'03	1°27'42
	-12627 Jul 20 j 06:14	0° S		max. Earth dist.		-12626 Jul 03 j 00:39	14° Y 10'51	1.44090 AU
max. Earth dist.	-12627 Jul 20 j 09:27	0° S 12'45	1.44566 AU			-12626 Jul 13 j 01:25	0° S	
desc. node	-12627 Jul 29 j 01:51	13° S 57'10		evening rise		-12626 Jul 15 j 07:20	3° S 30'07	
evening rise	-12627 Aug 04 j 18:57	24° S 36'37		desc. node		-12626 Jul 15 j 23:22	4° S 32'25	
	-12627 Aug 08 j 04:14	0° II		greatest brilliancy		-12626 Jul 27 j 20:35	22° S 46'19	-0.7m
evening max el	-12627 Aug 26 j 18:55	26° II 58'55	19°04'12			-12626 Aug 01 j 18:51	0° II	
	-12627 Aug 30 j 12:48	0° S		evening max el		-12626 Aug 10 j 01:34	10° II 28'25	19°56'13
retrograde	-12627 Sep 02 j 17:19	0° S 54'38		retrograde		-12626 Aug 17 j 13:48	14° II 49'01	
evening set	-12627 Sep 05 j 20:46	29° II 57'54		evening set		-12626 Aug 21 j 03:00	13° II 35'59	
	-12627 Sep 05 j 19:21	30° R II		asc. node		-12626 Aug 24 j 17:09	10° II 04'56	
asc. node	-12627 Sep 06 j 20:12	29° II 17'46		inferior conj		-12626 Aug 26 j 15:30	7° II 36'36	0°36'04
inferior conj	-12627 Sep 11 j 15:45	24° II 08'55	1°28'13	minimum elong		-12626 Aug 26 j 14:41	7° II 39'19	0°36'28
minimum elong	-12627 Sep 11 j 13:44	24° II 15'13	1°28'16	min. Earth dist.		-12626 Aug 27 j 15:21	6° II 18'04	0.66349 AU
min. Earth dist.	-12627 Sep 13 j 03:06	22° II 19'08	0.65471 AU	morning rise		-12626 Sep 01 j 02:04	1° II 16'14	
morning rise	-12627 Sep 17 j 06:15	17° II 53'47				-12626 Sep 02 j 19:36	30° R S	
direct	-12627 Sep 23 j 13:27	15° II 15'20		direct		-12626 Sep 06 j 19:43	28° S 49'48	
morning max el	-12627 Oct 06 j 07:57	22° II 39'16	26°26'24			-12626 Sep 11 j 05:06	0° II	
	-12627 Oct 12 j 21:55	0° S		morning max el		-12626 Sep 18 j 17:55	5° II 53'45	25°17'47
desc. node	-12627 Oct 25 j 00:41	16° S 39'57				-12626 Oct 07 j 12:25	0° S	
	-12627 Nov 02 j 09:15	0° Q		desc. node		-12626 Oct 11 j 21:29	6° S 39'27	
morning set	-12627 Nov 11 j 04:20	15° Q 38'11		morning set		-12626 Oct 24 j 17:27	28° S 05'26	
max. Earth dist.	-12627 Nov 15 j 10:41	23° Q 50'24	1.35375 AU			-12626 Oct 25 j 18:55	0° Q	
	-12627 Nov 18 j 12:35	0° M		max. Earth dist.		-12626 Oct 28 j 15:10	5° Q 13'31	1.37027 AU
superior conj	-12627 Nov 19 j 23:43	2° M 59'19	-1°33'10	superior conj		-12626 Nov 03 j 15:50	16° Q 48'47	-1°36'49
minimum elong	-12627 Nov 20 j 00:52	3° M 05'13	1°32'45	minimum elong		-12626 Nov 03 j 15:46	16° Q 48'26	1°36'16
evening rise	-12627 Nov 27 j 13:29	18° M 42'11				-12626 Nov 10 j 05:17	0° M	
	-12627 Dec 03 j 06:22	0° A		evening rise		-12626 Nov 11 j 18:11	3° M 06'19	
asc. node	-12627 Dec 03 j 18:27	0° A 56'12		asc. node		-12626 Nov 20 j 15:49	19° M 51'27	
evening max el	-12627 Dec 16 j 18:27	19° A 26'51	20°48'13			-12626 Nov 27 j 23:42	0° A	
retrograde	-12627 Dec 27 j 19:54	24° A 38'24		evening max el		-12626 Nov 29 j 06:07	1° A 16'29	19°38'07
evening set	-12627 Dec 30 j 13:49	24° A 20'26		retrograde		-12626 Dec 08 j 18:16	5° A 45'35	
inferior conj	-12626 Jan 08 j 09:24	20° A 21'11	2°59'44	evening set		-12626 Dec 11 j 07:37	5° A 27'36	
minimum elong	-12626 Jan 08 j 15:12	20° A 12'42	2°58'06	inferior conj		-12626 Dec 19 j 16:20	1° A 20'37	3°58'15
min. Earth dist.	-12626 Jan 09 j 15:24	19° A 37'18	0.55688 AU	minimum elong		-12626 Dec 19 j 20:10	1° A 14'26	3°57'46
morning rise	-12626 Jan 17 j 15:18	16° A 01'48				-12626 Dec 21 j 18:22	30° R M	
direct	-12626 Jan 20 j 22:47	15° A 37'39		min. Earth dist.		-12626 Dec 22 j 04:45	29° M 43'36	0.56677 AU
desc. node	-12626 Jan 21 j 02:53	15° A 37'42		morning rise		-12626 Dec 28 j 06:35	26° M 38'13	
morning max el	-12626 Feb 03 j 02:35	22° A 04'48	22°44'52	direct		-12625 Jan 01 j 22:03	25° M 49'29	
	-12626 Feb 09 j 21:31	0° M		desc. node		-12625 Jan 07 j 23:28	27° M 13'29	
morning set	-12626 Feb 25 j 09:24	27° M 29'41				-12625 Jan 12 j 12:25	0° A	
	-12626 Feb 26 j 14:05	0° S		morning max el		-12625 Jan 15 j 18:04	2° A 46'52	24°21'43
asc. node	-12626 Mar 01 j 15:56	6° S 32'01				-12625 Feb 03 j 15:12	0° M	
				morning set		-12625 Feb 09 j 21:50	12° M 33'44	
superior conj	-12626 Mar 04 j 14:12	12° S 45'48	0°27'03	superior conj		-12625 Feb 16 j 22:11	27° M 37'22	0°03'33
minimum elong	-12626 Mar 04 j 13:03	12° S 39'47	0°26'05	minimum elong		-12625 Feb 16 j 22:03	27° M 36'44	0°02'52
max. Earth dist.	-12626 Mar 07 j 06:45	18° S 24'43	1.34135 AU	behind sun begin		-12625 Feb 16 j 17:00	27° M 09'27	
evening rise	-12626 Mar 12 j 11:46	28° S 57'09		behind sun end		-12625 Feb 17 j 03:07	28° M 03'59	
	-12626 Mar 13 j 00:37	0° S		asc. node		-12625 Feb 16 j 13:09	26° M 48'37	
	-12626 Mar 30 j 09:37	0° \approx				-12625 Feb 18 j 00:40	0° S	
evening max el	-12626 Apr 15 j 18:10	20° \approx 43'26	27°19'37	max. Earth dist.		-12625 Feb 18 j 12:53	1° S 05'28	1.33351 AU
desc. node	-12626 Apr 19 j 02:58	23° \approx 44'36		evening rise		-12625 Feb 24 j 09:31	13° S 19'00	
retrograde	-12626 Apr 29 j 07:41	28° \approx 19'05				-12625 Mar 05 j 04:55	0° S	
evening set	-12626 May 06 j 05:03	25° \approx 37'33				-12625 Mar 25 j 19:05	0° \approx	
min. Earth dist.	-12626 May 09 j 22:12	22° \approx 05'57	0.64176 AU	evening max el		-12625 Mar 29 j 03:21	3° \approx 29'30	27°26'14
inferior conj	-12626 May 12 j 06:34	19° \approx 29'58	-3°20'28	desc. node		-12625 Apr 06 j 00:11	9° \approx 26'59	
minimum elong	-12626 May 12 j 07:28	19° \approx 27'27	3°20'57	retrograde		-12625 Apr 12 j 00:57	11° \approx 04'08	
morning rise	-12626 May 18 j 10:36	14° \approx 03'45		evening set		-12625 Apr 18 j 21:40	8° \approx 41'05	
direct	-12626 May 21 j 08:05	13° \approx 19'43		min. Earth dist.		-12625 Apr 22 j 14:24	5° \approx 35'29	0.62477 AU
morning max el	-12626 May 27 j 19:54	16° \approx 47'34	18°14'15	inferior conj		-12625 Apr 25 j 12:13	2° \approx 42'51	-3°21'10
asc. node	-12626 May 28 j 15:56	17° \approx 40'07						

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12625 Apr 25 j 11:40	2° \approx 44'15	3°21'50	min. Earth dist.	-12624 Apr 03 j 21:42	18° \approx 24'30	0.60542 AU
	-12625 Apr 28 j 09:40	30° \approx 3		inferior conj	-12624 Apr 07 j 04:26	15° \approx 34'04	-3°03'05
morning rise	-12625 May 02 j 03:03	27° \approx 34'36		minimum elong	-12624 Apr 07 j 02:09	15° \approx 39'03	3°03'34
direct	-12625 May 04 j 19:36	27° \approx 30'34		morning rise	-12624 Apr 14 j 09:00	10° \approx 45'22	
	-12625 May 11 j 00:11	0° \approx		direct	-12624 Apr 16 j 21:06	10° \approx 19'56	
morning max el	-12625 May 11 j 09:47	0° \approx 22'59	18°02'41	morning max el	-12624 Apr 23 j 22:32	13° \approx 48'44	18°09'51
asc. node	-12625 May 15 j 12:44	5° \approx 21'26		asc. node	-12624 May 01 j 09:33	23° \approx 48'49	
morning set	-12625 May 28 j 05:33	26° \approx 33'54			-12624 May 05 j 00:03	0° \approx	
	-12625 May 30 j 04:08	0° \approx		morning set	-12624 May 10 j 02:07	9° \approx 17'38	
superior conj	-12625 Jun 09 j 01:00	17° \approx 04'46	1°45'46	superior conj	-12624 May 20 j 10:00	28° \approx 07'29	1°48'20
minimum elong	-12625 Jun 09 j 03:30	17° \approx 15'21	1°45'30	minimum elong	-12624 May 20 j 09:07	28° \approx 03'33	1°47'54
max. Earth dist.	-12625 Jun 15 j 12:14	27° \approx 47'43	1.42992 AU		-12624 May 21 j 11:29	0° \approx	
	-12625 Jun 16 j 20:50	0° \approx		max. Earth dist.	-12624 May 27 j 18:37	10° \approx 49'33	1.41410 AU
evening rise	-12625 Jun 24 j 07:19	11° \approx 49'06		evening rise	-12624 Jun 02 j 17:49	20° \approx 38'50	
desc. node	-12625 Jul 02 j 20:53	24° \approx 59'16			-12624 Jun 08 j 15:41	0° \approx	
	-12625 Jul 06 j 05:03	0° \approx		desc. node	-12624 Jun 18 j 18:27	15° \approx 13'07	
evening max el	-12625 Jul 24 j 01:43	23° \approx 54'31	21°02'18		-12624 Jun 29 j 12:11	0° \approx	
retrograde	-12625 Aug 01 j 10:14	28° \approx 48'47		evening max el	-12624 Jul 05 j 18:56	7° \approx 16'25	22°19'08
evening set	-12625 Aug 05 j 11:19	27° \approx 16'22		retrograde	-12624 Jul 15 j 05:05	12° \approx 51'27	
inferior conj	-12625 Aug 10 j 19:17	21° \approx 09'18	-0°14'33	evening set	-12624 Jul 19 j 19:45	10° \approx 57'45	
minimum elong	-12625 Aug 10 j 19:35	21° \approx 08'18	0°13'50	inferior conj	-12624 Jul 25 j 01:13	4° \approx 45'26	-1°02'03
transit middle	-12625 Aug 10 j 19:35	21° \approx 08'18	0°13'50	minimum elong	-12624 Jul 25 j 02:26	4° \approx 41'12	1°01'09
transit begin	-12625 Aug 10 j 18:07	21° \approx 13'17		min. Earth dist.	-12624 Jul 25 j 03:37	4° \approx 37'06	0.67217 AU
transit end	-12625 Aug 10 j 21:02	21° \approx 03'19		asc. node	-12624 Jul 28 j 10:51	0° \approx 20'26	
min. Earth dist.	-12625 Aug 11 j 08:19	20° \approx 24'51	0.66933 AU		-12624 Jul 28 j 18:13	30° \approx 1	
asc. node	-12625 Aug 11 j 14:01	20° \approx 05'26		morning rise	-12624 Jul 30 j 09:02	28° \approx 12'45	
morning rise	-12625 Aug 16 j 03:40	14° \approx 47'52		direct	-12624 Aug 03 j 23:05	26° \approx 13'45	
direct	-12625 Aug 21 j 07:12	12° \approx 37'53			-12624 Aug 11 j 02:20	0° \approx	
morning max el	-12625 Sep 01 j 03:48	19° \approx 09'00	23°57'15	morning max el	-12624 Aug 13 j 15:56	2° \approx 25'14	22°33'32
	-12625 Sep 10 j 07:33	0° \approx			-12624 Sep 03 j 09:15	0° \approx	
desc. node	-12625 Sep 28 j 18:24	26° \approx 56'42		desc. node	-12624 Sep 14 j 15:25	17° \approx 26'08	
	-12625 Sep 30 j 16:10	0° \approx		morning set	-12624 Sep 15 j 21:51	19° \approx 28'53	
morning set	-12625 Oct 06 j 08:35	9° \approx 25'02		max. Earth dist.	-12624 Sep 21 j 15:06	28° \approx 56'27	1.40915 AU
max. Earth dist.	-12625 Oct 10 j 14:17	16° \approx 45'47	1.38954 AU		-12624 Sep 22 j 06:07	0° \approx	
superior conj	-12625 Oct 17 j 19:23	29° \approx 56'41	-1°32'42	superior conj	-12624 Sep 29 j 05:24	12° \approx 09'14	-1°18'40
minimum elong	-12625 Oct 17 j 17:38	29° \approx 48'26	1°31'55	minimum elong	-12624 Sep 29 j 01:58	11° \approx 53'52	1°17'36
	-12625 Oct 17 j 20:05	0° \approx			-12624 Oct 08 j 21:43	0° \approx	
evening rise	-12625 Oct 26 j 16:38	17° \approx 07'27		evening rise	-12624 Oct 09 j 05:55	0° \approx 38'30	
	-12625 Nov 02 j 12:28	0° \approx		asc. node	-12624 Oct 24 j 10:27	25° \approx 29'46	
asc. node	-12625 Nov 07 j 13:09	8° \approx 06'45		evening max el	-12624 Oct 25 j 09:53	26° \approx 30'50	18°17'17
evening max el	-12625 Nov 12 j 03:55	13° \approx 39'47	18°47'31		-12624 Oct 31 j 01:49	0° \approx	
retrograde	-12625 Nov 20 j 08:54	17° \approx 38'10		retrograde	-12624 Nov 01 j 17:26	0° \approx 11'15	
evening set	-12625 Nov 22 j 20:28	17° \approx 17'50			-12624 Nov 03 j 09:39	30° \approx 1	
inferior conj	-12625 Nov 30 j 16:39	12° \approx 52'36	4°17'20	evening set	-12624 Nov 04 j 04:37	29° \approx 47'10	
minimum elong	-12625 Nov 30 j 16:41	12° \approx 52'33	4°17'34	inferior conj	-12624 Nov 11 j 12:14	25° \approx 00'15	4°05'06
min. Earth dist.	-12625 Dec 03 j 19:34	10° \approx 35'03	0.58236 AU	minimum elong	-12624 Nov 11 j 09:28	25° \approx 06'09	4°05'15
morning rise	-12625 Dec 08 j 11:00	7° \approx 47'20		min. Earth dist.	-12624 Nov 14 j 15:32	22° \approx 20'39	0.60050 AU
direct	-12625 Dec 14 j 08:49	6° \approx 22'58		morning rise	-12624 Nov 18 j 12:49	19° \approx 34'16	
desc. node	-12625 Dec 25 j 20:03	11° \approx 19'24		direct	-12624 Nov 25 j 06:10	17° \approx 34'00	
morning max el	-12625 Dec 28 j 09:18	13° \approx 35'04	25°50'17	morning max el	-12624 Dec 09 j 05:55	24° \approx 54'39	26°56'08
	-12624 Jan 10 j 09:07	0° \approx		desc. node	-12624 Dec 11 j 16:37	27° \approx 23'51	
morning set	-12624 Jan 25 j 09:55	27° \approx 37'50			-12624 Dec 14 j 00:06	0° \approx	
	-12624 Jan 26 j 12:51	0° \approx			-12623 Jan 02 j 11:36	0° \approx	
superior conj	-12624 Feb 01 j 08:58	12° \approx 38'16	-0°19'15	morning set	-12623 Jan 08 j 19:52	12° \approx 35'28	
minimum elong	-12624 Feb 01 j 09:45	12° \approx 42'34	0°19'38	superior conj	-12623 Jan 15 j 20:51	27° \approx 42'33	-0°40'34
max. Earth dist.	-12624 Feb 02 j 00:33	14° \approx 03'15	1.32907 AU	minimum elong	-12623 Jan 15 j 22:21	27° \approx 50'43	0°40'41
asc. node	-12624 Feb 03 j 10:25	17° \approx 07'06		max. Earth dist.	-12623 Jan 15 j 14:06	27° \approx 05'40	1.32790 AU
evening rise	-12624 Feb 08 j 13:46	28° \approx 00'47			-12623 Jan 16 j 22:01	0° \approx	
	-12624 Feb 09 j 13:03	0° \approx		asc. node	-12623 Jan 20 j 07:45	7° \approx 23'26	
	-12624 Feb 26 j 14:43	0° \approx		evening rise	-12623 Jan 22 j 22:13	12° \approx 54'31	
evening max el	-12624 Mar 10 j 08:33	15° \approx 42'09	27°00'00		-12623 Jan 31 j 17:07	0° \approx	
desc. node	-12624 Mar 22 j 21:18	23° \approx 03'58		evening max el	-12623 Feb 20 j 08:07	27° \approx 16'48	26°02'24
retrograde	-12624 Mar 24 j 10:23	23° \approx 10'16			-12623 Feb 23 j 11:02	0° \approx	
evening set	-12624 Mar 30 j 21:35	21° \approx 16'45		retrograde	-12623 Mar 06 j 10:34	4° \approx 33'41	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12623 Mar 09 j 18:19	4°☿06'16		retrograde	-12622 Feb 15 j 23:42	15°♂17'18	
evening set	-12623 Mar 12 j 02:51	3°☿14'25		evening set	-12622 Feb 20 j 14:45	14°♂28'35	
min. Earth dist.	-12623 Mar 16 j 21:26	0°☿21'18	0.58582 AU	desc. node	-12622 Feb 24 j 15:13	12°♂36'09	
	-12623 Mar 17 j 09:10	30°♂♂		min. Earth dist.	-12622 Feb 26 j 16:17	11°♂21'39	0.56887 AU
inferior conj	-12623 Mar 20 j 03:36	27°♂54'57	-2°20'20	inferior conj	-12622 Mar 01 j 07:13	9°♂38'57	-1°08'41
minimum elong	-12623 Mar 20 j 00:12	28°♂01'21	2°20'22	minimum elong	-12622 Mar 01 j 04:46	9°♂42'58	1°08'43
morning rise	-12623 Mar 28 j 00:41	23°♂26'10		morning rise	-12622 Mar 09 j 21:58	5°♂27'02	
direct	-12623 Mar 30 j 08:18	23°♂07'54		direct	-12622 Mar 12 j 01:45	5°♂13'48	
morning max el	-12623 Apr 07 j 07:20	26°♂56'57	18°36'16	morning max el	-12622 Mar 21 j 09:11	9°♂38'20	19°22'20
	-12623 Apr 10 j 01:49	0°☿			-12622 Apr 03 j 22:03	0°☿	
asc. node	-12623 Apr 18 j 06:26	12°☿51'33		asc. node	-12622 Apr 05 j 03:24	2°☿21'22	
morning set	-12623 Apr 23 j 13:02	22°☿46'51		morning set	-12622 Apr 07 j 10:23	6°☿51'41	
	-12623 Apr 27 j 07:00	0°♁					
				superior conj	-12622 Apr 15 j 19:31	23°☿29'19	1°23'41
superior conj	-12623 May 02 j 17:59	10°♁20'34	1°39'42	minimum elong	-12622 Apr 15 j 16:27	23°☿14'21	1°22'36
minimum elong	-12623 May 02 j 15:18	10°♁08'06	1°38'54		-12622 Apr 19 j 04:54	0°♁	
max. Earth dist.	-12623 May 09 j 19:57	23°♁08'50	1.39564 AU	max. Earth dist.	-12622 Apr 21 j 20:15	4°♁55'52	1.37712 AU
	-12623 May 13 j 19:24	0°♂		evening rise	-12622 Apr 25 j 20:37	12°♁11'08	
evening rise	-12623 May 14 j 05:45	0°♂43'44			-12622 May 06 j 11:42	0°♂	
	-12623 Jun 02 j 00:24	0°♂		desc. node	-12622 May 23 j 13:35	24°♂35'43	
desc. node	-12623 Jun 05 j 16:02	5°♂07'54			-12622 May 28 j 00:37	0°♂	
evening max el	-12623 Jun 18 j 06:46	20°♂35'37	23°41'24	evening max el	-12622 May 31 j 16:20	3°♂55'54	25°01'47
retrograde	-12623 Jun 28 j 21:10	26°♂53'24		retrograde	-12622 Jun 12 j 09:33	10°♂50'30	
evening set	-12623 Jul 04 j 02:22	24°♂38'37		evening set	-12622 Jun 18 j 05:11	8°♂17'50	
inferior conj	-12623 Jul 09 j 07:30	18°♂23'16	-1°45'06	min. Earth dist.	-12622 Jun 22 j 15:58	3°♂09'42	0.66831 AU
minimum elong	-12623 Jul 09 j 09:23	18°♂16'49	1°44'14	inferior conj	-12622 Jun 23 j 12:23	2°♂01'40	-2°22'24
min. Earth dist.	-12623 Jul 08 j 22:56	18°♂52'44	0.67191 AU	minimum elong	-12622 Jun 23 j 14:35	1°♂54'19	2°21'47
morning rise	-12623 Jul 14 j 16:23	12°♂10'44			-12622 Jun 25 j 01:36	30°♂♂	
asc. node	-12623 Jul 15 j 07:39	11°♂43'30		morning rise	-12622 Jun 29 j 00:00	25°♂58'26	
direct	-12623 Jul 18 j 18:21	10°♂36'49		asc. node	-12622 Jul 02 j 04:23	24°♂42'05	
morning max el	-12623 Jul 27 j 08:51	15°♂44'52	21°13'59	direct	-12622 Jul 02 j 15:47	24°♂40'49	
	-12623 Aug 07 j 13:40	0°♂		morning max el	-12622 Jul 10 j 07:59	29°♂10'27	20°04'24
morning set	-12623 Aug 26 j 11:27	28°♂26'15			-12622 Jul 11 j 02:39	0°♂	
	-12623 Aug 27 j 11:19	0°♂			-12622 Aug 01 j 03:22	0°♂	
desc. node	-12623 Sep 01 j 12:34	8°♂02'52		morning set	-12622 Aug 05 j 14:47	6°♂56'32	
max. Earth dist.	-12623 Sep 03 j 21:18	11°♂53'02	1.42641 AU	max. Earth dist.	-12622 Aug 17 j 08:56	25°♂27'36	1.43896 AU
				desc. node	-12622 Aug 19 j 09:51	28°♂43'43	
superior conj	-12623 Sep 10 j 16:00	23°♂10'16	-0°52'50		-12622 Aug 20 j 04:47	0°♂	
minimum elong	-12623 Sep 10 j 12:03	22°♂53'33	0°51'36				
	-12623 Sep 14 j 15:20	0°♂		superior conj	-12622 Aug 21 j 23:10	2°♂51'29	-0°15'13
evening rise	-12623 Sep 22 j 06:09	13°♂28'59		minimum elong	-12622 Aug 21 j 21:37	2°♂45'14	0°14'18
	-12623 Oct 01 j 17:39	0°♂		behind sun begin	-12622 Aug 21 j 16:27	2°♂24'16	
evening max el	-12623 Oct 08 j 21:12	9°♂40'59	18°06'52	behind sun end	-12622 Aug 22 j 02:47	3°♂06'12	
asc. node	-12623 Oct 11 j 07:43	11°♂44'28		evening rise	-12622 Sep 04 j 12:19	25°♂27'05	
retrograde	-12623 Oct 15 j 16:22	13°♂14'06			-12622 Sep 07 j 04:18	0°♂	
evening set	-12623 Oct 18 j 05:08	12°♂44'27		evening max el	-12622 Sep 22 j 10:55	23°♂04'00	18°15'17
inferior conj	-12623 Oct 25 j 00:51	7°♂36'52	3°32'29	asc. node	-12622 Sep 28 j 04:53	26°♂34'52	
minimum elong	-12623 Oct 24 j 21:01	7°♂46'10	3°32'20	retrograde	-12622 Sep 29 j 01:38	26°♂38'47	
min. Earth dist.	-12623 Oct 27 j 19:59	4°♂54'23	0.61857 AU	evening set	-12622 Oct 01 j 18:17	26°♂01'06	
morning rise	-12623 Oct 31 j 11:42	1°♂52'47		inferior conj	-12622 Oct 08 j 03:12	20°♂35'15	2°48'15
	-12623 Nov 04 j 02:34	30°♂♂		minimum elong	-12622 Oct 07 j 23:36	20°♂45'01	2°47'58
direct	-12623 Nov 07 j 12:39	29°♂25'29		min. Earth dist.	-12622 Oct 10 j 10:25	18°♂05'38	0.63485 AU
	-12623 Nov 11 j 01:55	0°♂		morning rise	-12622 Oct 14 j 04:02	14°♂36'23	
morning max el	-12623 Nov 21 j 09:04	6°♂53'31	27°29'57	direct	-12622 Oct 21 j 03:01	11°♂55'05	
desc. node	-12623 Nov 28 j 13:10	14°♂54'03		morning max el	-12622 Nov 03 j 16:54	19°♂27'13	27°29'10
	-12623 Dec 09 j 02:17	0°♂			-12622 Nov 12 j 20:39	0°♂	
morning set	-12623 Dec 24 j 01:38	27°♂18'24		desc. node	-12622 Nov 15 j 09:46	3°♂25'44	
	-12623 Dec 25 j 09:00	0°♂			-12622 Dec 01 j 22:33	0°♂	
max. Earth dist.	-12623 Dec 30 j 01:40	9°♂58'14	1.33007 AU	morning set	-12622 Dec 08 j 00:42	11°♂37'58	
				max. Earth dist.	-12622 Dec 13 j 07:25	22°♂28'18	1.33598 AU
superior conj	-12623 Dec 31 j 08:08	12°♂43'23	-0°59'43				
minimum elong	-12623 Dec 31 j 10:03	12°♂53'48	0°59'37	superior conj	-12622 Dec 15 j 17:03	27°♂34'26	-1°15'57
evening rise	-12622 Jan 07 j 08:54	27°♂52'33		minimum elong	-12622 Dec 15 j 19:02	27°♂45'02	1°15'41
asc. node	-12622 Jan 07 j 05:08	27°♂32'46			-12622 Dec 16 j 20:13	0°♂	
	-12622 Jan 08 j 09:20	0°♂		evening rise	-12622 Dec 22 j 20:08	12°♂48'49	
	-12622 Jan 25 j 19:17	0°♂		asc. node	-12622 Dec 25 j 02:33	17°♂30'01	
evening max el	-12622 Feb 02 j 02:43	8°♂20'32	24°41'01		-12622 Dec 31 j 16:24	0°♂	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12621 Jan 14 j 20:05	19° \mathbb{M} 12'21	23°07'51	evening max el	-12621 Dec 27 j 17:31	0° \mathbb{M} 15'30	21°36'05
retrograde	-12621 Jan 28 j 00:20	25° \mathbb{M} 35'01		retrograde	-12620 Jan 08 j 15:37	5° \mathbb{M} 53'13	
evening set	-12621 Jan 31 j 15:22	25° \mathbb{M} 06'17		evening set	-12620 Jan 11 j 14:58	5° \mathbb{M} 33'20	
min. Earth dist.	-12621 Feb 08 j 08:27	21° \mathbb{M} 33'55	0.55778 AU	inferior conj	-12620 Jan 20 j 14:57	1° \mathbb{M} 32'05	2°09'30
inferior conj	-12621 Feb 09 j 16:29	20° \mathbb{M} 46'40	0°27'40	minimum elong	-12620 Jan 20 j 19:58	1° \mathbb{M} 24'55	2°07'40
minimum elong	-12621 Feb 09 j 17:37	20° \mathbb{M} 45'00	0°26'41	min. Earth dist.	-12620 Jan 20 j 22:43	1° \mathbb{M} 21'00	0.55476 AU
desc. node	-12621 Feb 11 j 12:00	19° \mathbb{M} 43'20		desc. node	-12620 Jan 23 j 08:43	30° \mathbb{R} $\underline{\mathbb{A}}$	
morning rise	-12621 Feb 18 j 21:38	16° \mathbb{M} 42'46		morning rise	-12620 Jan 29 j 08:42	27° $\underline{\mathbb{A}}$ 31'31	
direct	-12621 Feb 21 j 02:32	16° \mathbb{M} 30'53		direct	-12620 Jan 30 j 00:37	27° $\underline{\mathbb{A}}$ 22'36	
morning max el	-12621 Mar 04 j 01:07	21° \mathbb{M} 43'18	20°27'51	morning max el	-12620 Feb 01 j 18:28	27° $\underline{\mathbb{A}}$ 05'43	
morning set	-12621 Mar 10 j 19:50	0° \mathbb{X}		morning set	-12620 Feb 10 j 09:12	0° \mathbb{M}	
asc. node	-12621 Mar 22 j 14:57	21° \mathbb{X} 22'55		asc. node	-12620 Feb 14 j 05:37	3° \mathbb{M} 07'58	21°51'02
	-12621 Mar 23 j 00:26	22° \mathbb{X} 11'10			-12620 Mar 02 j 22:44	0° \mathbb{X}	
	-12621 Mar 26 j 19:44	0° \mathbb{Z}			-12620 Mar 06 j 00:14	6° \mathbb{X} 13'14	
					-12620 Mar 08 j 21:33	12° \mathbb{X} 15'39	
superior conj	-12621 Mar 30 j 09:45	7° \mathbb{Z} 19'36	1°03'16	superior conj	-12620 Mar 13 j 09:04	21° \mathbb{X} 41'04	0°40'34
minimum elong	-12621 Mar 30 j 07:09	7° \mathbb{Z} 06'24	1°02'05	minimum elong	-12620 Mar 13 j 07:21	21° \mathbb{X} 32'04	0°39'29
max. Earth dist.	-12621 Apr 04 j 02:11	16° \mathbb{Z} 37'33	1.36070 AU	max. Earth dist.	-12620 Mar 16 j 18:09	28° \mathbb{X} 39'10	1.34748 AU
evening rise	-12621 Apr 08 j 09:26	24° \mathbb{Z} 47'14			-12620 Mar 17 j 10:06	0° \mathbb{Z}	
	-12621 Apr 11 j 06:09	0° \approx			-12620 Mar 21 j 14:34	8° \mathbb{Z} 15'46	
	-12621 Apr 30 j 00:11	0° \mathbb{H}		evening rise	-12620 Apr 02 j 19:56	0° \approx	
desc. node	-12621 May 10 j 11:05	13° \mathbb{H} 24'54			-12620 Apr 24 j 23:42	0° \mathbb{H}	
evening max el	-12621 May 14 j 02:17	17° \mathbb{H} 17'09	26°11'37	evening max el	-12620 Apr 25 j 13:14	0° \mathbb{H} 33'39	27°02'09
retrograde	-12621 May 26 j 17:21	24° \mathbb{H} 36'31		desc. node	-12620 Apr 26 j 08:26	1° \mathbb{H} 19'57	
evening set	-12621 Jun 02 j 01:58	21° \mathbb{H} 52'27		retrograde	-12620 May 08 j 19:54	8° \mathbb{H} 05'18	
min. Earth dist.	-12621 Jun 06 j 04:23	17° \mathbb{H} 23'34	0.66108 AU	evening set	-12620 May 15 j 14:12	5° \mathbb{H} 19'31	
inferior conj	-12621 Jun 07 j 13:53	15° \mathbb{H} 37'45	-2°52'30	min. Earth dist.	-12620 May 19 j 10:00	1° \mathbb{H} 28'28	0.65000 AU
minimum elong	-12621 Jun 07 j 16:00	15° \mathbb{H} 31'04	2°52'18		-12620 May 20 j 16:23	30° \mathbb{R} \approx	
morning rise	-12621 Jun 13 j 06:08	9° \mathbb{H} 46'44		inferior conj	-12620 May 21 j 09:51	29° \approx 08'42	-3°13'31
direct	-12621 Jun 16 j 13:37	8° \mathbb{H} 43'31		minimum elong	-12620 May 21 j 11:21	29° \approx 04'17	3°13'47
asc. node	-12621 Jun 19 j 01:05	9° \mathbb{H} 16'59		morning rise	-12620 May 27 j 08:52	23° \approx 32'41	
morning max el	-12621 Jun 23 j 13:17	12° \mathbb{H} 41'41	19°08'38	direct	-12620 May 30 j 09:43	22° \approx 41'59	
	-12621 Jul 06 j 02:14	0° \mathbb{Y}		asc. node	-12620 Jun 04 j 21:49	25° \approx 16'37	
morning set	-12621 Jul 16 j 03:26	15° \mathbb{Y} 52'50		morning max el	-12620 Jun 05 j 23:36	26° \approx 17'44	18°29'04
	-12621 Jul 25 j 01:22	0° \mathbb{B}			-12620 Jun 09 j 03:44	0° \mathbb{H}	
max. Earth dist.	-12621 Jul 31 j 00:21	9° \mathbb{B} 25'30	1.44524 AU	morning set	-12620 Jun 25 j 14:40	25° \mathbb{H} 51'31	
					-12620 Jun 28 j 03:05	0° \mathbb{Y}	
superior conj	-12621 Aug 01 j 06:31	11° \mathbb{B} 25'00	0°29'25	superior conj	-12620 Jul 10 j 07:01	19° \mathbb{Y} 39'57	1°10'22
minimum elong	-12621 Aug 01 j 10:01	11° \mathbb{B} 38'54	0°29'31	minimum elong	-12620 Jul 10 j 13:37	20° \mathbb{Y} 06'12	1°09'59
desc. node	-12621 Aug 06 j 07:15	19° \mathbb{B} 24'57		max. Earth dist.	-12620 Jul 12 j 17:03	23° \mathbb{Y} 30'40	1.44451 AU
	-12621 Aug 12 j 21:26	0° \mathbb{I}			-12620 Jul 16 j 19:28	0° \mathbb{B}	
evening rise	-12621 Aug 16 j 18:34	6° \mathbb{I} 17'33		desc. node	-12620 Jul 23 j 04:42	10° \mathbb{B} 03'24	
	-12621 Aug 31 j 18:01	0° \mathbb{E}		evening rise	-12620 Jul 26 j 21:16	15° \mathbb{B} 51'24	
evening max el	-12621 Sep 06 j 00:02	6° \mathbb{E} 33'37	18°41'34		-12620 Aug 04 j 22:18	0° \mathbb{I}	
retrograde	-12621 Sep 12 j 17:29	10° \mathbb{E} 18'51		greatest brilliancy	-12620 Aug 05 j 07:21	0° \mathbb{I} 34'59	-0.8m
asc. node	-12621 Sep 15 j 01:56	9° \mathbb{E} 47'48		evening max el	-12620 Aug 19 j 09:46	20° \mathbb{I} 04'29	19°24'32
evening set	-12621 Sep 15 j 16:26	9° \mathbb{E} 29'56		retrograde	-12620 Aug 26 j 13:01	24° \mathbb{I} 09'15	
inferior conj	-12621 Sep 21 j 16:01	3° \mathbb{E} 48'41	1°58'12	evening set	-12620 Aug 29 j 20:28	23° \mathbb{I} 05'49	
minimum elong	-12621 Sep 21 j 13:20	3° \mathbb{E} 56'41	1°58'03	asc. node	-12620 Aug 31 j 22:55	21° \mathbb{I} 22'29	
min. Earth dist.	-12621 Sep 23 j 10:29	1° \mathbb{E} 42'32	0.64836 AU	inferior conj	-12620 Sep 04 j 12:27	17° \mathbb{I} 12'04	1°06'01
	-12621 Sep 24 j 22:49	30° \mathbb{R} \mathbb{I}		minimum elong	-12620 Sep 04 j 10:56	17° \mathbb{I} 16'54	1°06'13
morning rise	-12621 Sep 27 j 09:39	27° \mathbb{I} 38'37		min. Earth dist.	-12620 Sep 05 j 18:45	15° \mathbb{I} 35'25	0.65882 AU
direct	-12621 Oct 03 j 23:56	24° \mathbb{I} 56'09		morning rise	-12620 Sep 10 j 01:04	10° \mathbb{I} 54'30	
	-12621 Oct 14 j 11:47	0° \mathbb{E}		direct	-12620 Sep 16 j 02:45	8° \mathbb{I} 20'34	
morning max el	-12621 Oct 17 j 02:51	2° \mathbb{E} 25'21	26°56'52	morning max el	-12620 Sep 28 j 13:06	15° \mathbb{I} 36'48	25°59'19
desc. node	-12621 Nov 02 j 06:27	22° \mathbb{E} 41'19			-12620 Oct 10 j 12:43	0° \mathbb{E}	
	-12621 Nov 07 j 01:25	0° \mathbb{Q}		desc. node	-12620 Oct 19 j 03:11	12° \mathbb{E} 27'37	
morning set	-12621 Nov 21 j 13:58	25° \mathbb{Q} 24'13			-12620 Oct 29 j 20:39	0° \mathbb{Q}	
	-12621 Nov 23 j 22:32	0° \mathbb{P}		morning set	-12620 Nov 03 j 13:17	8° \mathbb{Q} 24'08	
max. Earth dist.	-12621 Nov 26 j 04:16	4° \mathbb{P} 29'00	1.34603 AU	max. Earth dist.	-12620 Nov 07 j 14:39	16° \mathbb{Q} 02'39	1.36037 AU
superior conj	-12621 Nov 29 j 21:35	12° \mathbb{P} 08'53	-1°28'18	superior conj	-12620 Nov 12 j 19:07	26° \mathbb{Q} 17'36	-1°35'34
minimum elong	-12621 Nov 29 j 23:11	12° \mathbb{P} 17'15	1°27'55	minimum elong	-12620 Nov 12 j 19:49	26° \mathbb{Q} 21'09	1°35'05
evening rise	-12621 Dec 07 j 06:17	27° \mathbb{P} 37'50			-12620 Nov 14 j 14:52	0° \mathbb{P}	
	-12621 Dec 08 j 09:49	0° \mathbb{A}		evening rise	-12620 Nov 20 j 13:33	12° \mathbb{P} 13'05	
asc. node	-12621 Dec 11 j 23:56	7° \mathbb{A} 09'30					
	-12621 Dec 27 j 10:58	0° \mathbb{M}					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12620 Nov 27 j 21:20	26° \mathbb{M} 23'35		minimum elong	-12619 Oct 27 j 05:41	9° Ω 47'22	1°35'31
	-12620 Nov 29 j 23:49	0° $\underline{\Omega}$		evening rise	-12619 Nov 04 j 15:56	26° Ω 28'43	
evening max el	-12620 Dec 08 j 23:15	11° $\underline{\Omega}$ 45'31	20°16'06		-12619 Nov 06 j 10:41	0° \mathbb{M}	
retrograde	-12620 Dec 19 j 08:12	16° $\underline{\Omega}$ 37'48		asc. node	-12619 Nov 14 j 18:41	15° \mathbb{M} 03'29	
evening set	-12620 Dec 21 j 23:54	16° $\underline{\Omega}$ 20'04		evening max el	-12619 Nov 21 j 15:15	23° \mathbb{M} 49'37	19°14'04
inferior conj	-12620 Dec 30 j 15:12	12° $\underline{\Omega}$ 19'00	3°29'28	retrograde	-12619 Nov 30 j 13:19	28° \mathbb{M} 04'35	
minimum elong	-12620 Dec 30 j 20:36	12° $\underline{\Omega}$ 10'48	3°28'16	evening set	-12619 Dec 03 j 01:33	27° \mathbb{M} 45'52	
min. Earth dist.	-12619 Jan 01 j 11:42	11° $\underline{\Omega}$ 11'50	0.56028 AU	inferior conj	-12619 Dec 11 j 04:59	23° \mathbb{M} 31'34	4°10'53
morning rise	-12619 Jan 08 j 15:38	7° $\underline{\Omega}$ 50'44		minimum elong	-12619 Dec 11 j 07:13	23° \mathbb{M} 27'45	4°10'48
direct	-12619 Jan 12 j 12:10	7° $\underline{\Omega}$ 17'58		min. Earth dist.	-12619 Dec 14 j 01:20	21° \mathbb{M} 35'30	0.57290 AU
desc. node	-12619 Jan 15 j 05:19	7° $\underline{\Omega}$ 34'45		morning rise	-12619 Dec 19 j 10:48	18° \mathbb{M} 38'59	
morning max el	-12619 Jan 26 j 00:21	13° $\underline{\Omega}$ 59'18	23°26'04	direct	-12619 Dec 24 j 15:47	17° \mathbb{M} 36'13	
	-12619 Feb 07 j 06:29	0° \mathbb{M}		desc. node	-12618 Jan 02 j 01:54	20° \mathbb{M} 17'30	
morning set	-12619 Feb 18 j 12:04	21° \mathbb{M} 14'21		morning max el	-12618 Jan 07 j 15:05	24° \mathbb{M} 41'07	25°01'17
	-12619 Feb 22 j 14:58	0° \mathbb{M}			-12618 Jan 12 j 12:38	0° $\underline{\Omega}$	
asc. node	-12619 Feb 23 j 18:44	2° \mathbb{M} 29'01			-12618 Jan 30 j 22:48	0° \mathbb{M}	
				morning set	-12618 Feb 03 j 00:35	6° \mathbb{M} 19'23	
superior conj	-12619 Feb 25 j 14:33	6° \mathbb{M} 23'46	0°17'02	superior conj	-12618 Feb 09 j 23:58	21° \mathbb{M} 20'10	-0°06'17
minimum elong	-12619 Feb 25 j 13:51	6° \mathbb{M} 20'01	0°16'11	minimum elong	-12618 Feb 10 j 00:15	21° \mathbb{M} 21'42	0°06'50
max. Earth dist.	-12619 Feb 27 j 19:52	11° \mathbb{M} 06'54	1.33766 AU	behind sun begin	-12618 Feb 09 j 19:40	20° \mathbb{M} 56'46	
evening rise	-12619 Mar 05 j 07:18	22° \mathbb{M} 21'17		behind sun end	-12618 Feb 10 j 04:51	21° \mathbb{M} 46'37	
	-12619 Mar 09 j 06:03	0° \mathbb{Z}		asc. node	-12618 Feb 10 j 15:58	22° \mathbb{M} 46'50	
	-12619 Mar 27 j 14:51	0° \approx		max. Earth dist.	-12618 Feb 11 j 04:45	23° \mathbb{M} 55'55	1.33124 AU
evening max el	-12619 Apr 07 j 23:33	13° \approx 33'32	27°26'14		-12618 Feb 14 j 00:48	0° \mathbb{M}	
desc. node	-12619 Apr 13 j 05:42	17° \approx 58'47		evening rise	-12618 Feb 17 j 08:08	6° \mathbb{M} 52'25	
retrograde	-12619 Apr 21 j 16:36	21° \approx 08'50			-12618 Mar 01 j 19:38	0° \mathbb{Z}	
evening set	-12619 Apr 28 j 14:54	18° \approx 33'32		evening max el	-12618 Mar 21 j 07:03	26° \mathbb{Z} 05'17	27°18'56
min. Earth dist.	-12619 May 02 j 07:10	15° \approx 14'32	0.63498 AU		-12618 Mar 25 j 21:38	0° \approx	
inferior conj	-12619 May 04 j 21:35	12° \approx 29'40	-3°22'45	desc. node	-12618 Mar 31 j 02:53	2° \approx 51'57	
minimum elong	-12619 May 04 j 21:55	12° \approx 28'45	3°23'20	retrograde	-12618 Apr 04 j 06:49	3° \approx 38'17	
morning rise	-12619 May 11 j 05:52	7° \approx 10'58		evening set	-12618 Apr 11 j 00:47	1° \approx 26'21	
direct	-12619 May 14 j 01:16	6° \approx 31'16			-12618 Apr 13 j 00:23	30° \mathbb{R} \mathbb{Z}	
morning max el	-12619 May 20 j 12:55	9° \approx 55'01	18°07'07	min. Earth dist.	-12618 Apr 14 j 19:19	28° \mathbb{Z} 28'26	0.61673 AU
asc. node	-12619 May 22 j 18:35	12° \approx 25'07		inferior conj	-12618 Apr 17 j 21:56	25° \mathbb{Z} 33'51	-3°16'10
	-12619 Jun 03 j 01:30	0° \mathbb{M}		minimum elong	-12618 Apr 17 j 20:38	25° \mathbb{Z} 36'54	3°16'47
morning set	-12619 Jun 07 j 03:02	7° \mathbb{M} 00'29		morning rise	-12618 Apr 24 j 18:17	20° \mathbb{Z} 34'11	
				direct	-12618 Apr 27 j 08:54	20° \mathbb{Z} 04'02	
superior conj	-12619 Jun 19 j 22:38	28° \mathbb{M} 40'00	1°37'38	morning max el	-12618 May 04 j 02:44	23° \mathbb{Z} 27'28	18°03'28
minimum elong	-12619 Jun 20 j 03:21	28° \mathbb{M} 59'23	1°37'20		-12618 May 09 j 08:05	0° \approx	
	-12619 Jun 20 j 18:08	0° \mathbb{Y}		asc. node	-12618 May 09 j 15:24	0° \approx 27'21	
max. Earth dist.	-12619 Jun 25 j 07:33	7° \mathbb{Y} 23'46	1.43692 AU	morning set	-12618 May 20 j 13:13	19° \approx 12'26	
evening rise	-12619 Jul 06 j 01:54	24° \mathbb{Y} 23'28			-12618 May 26 j 13:30	0° \mathbb{M}	
	-12619 Jul 09 j 16:56	0° \mathbb{Z}					
desc. node	-12619 Jul 10 j 02:13	0° \mathbb{Z} 35'43		superior conj	-12618 May 31 j 16:27	8° \mathbb{M} 57'23	1°48'31
	-12619 Jul 30 j 10:22	0° \mathbb{M}		minimum elong	-12618 May 31 j 17:21	9° \mathbb{M} 01'17	1°48'13
evening max el	-12619 Aug 02 j 13:46	3° \mathbb{M} 32'42	20°22'46	max. Earth dist.	-12618 Jun 07 j 16:48	20° \mathbb{M} 46'07	1.42358 AU
retrograde	-12619 Aug 10 j 09:47	8° \mathbb{M} 06'40			-12618 Jun 13 j 09:31	0° \mathbb{Y}	
evening set	-12619 Aug 14 j 03:52	6° \mathbb{M} 45'31		evening rise	-12618 Jun 15 j 03:33	2° \mathbb{Y} 46'52	
asc. node	-12619 Aug 18 j 19:50	1° \mathbb{M} 43'25		desc. node	-12618 Jun 26 j 23:47	20° \mathbb{Y} 57'31	
inferior conj	-12619 Aug 19 j 14:10	0° \mathbb{M} 42'19	0°14'17		-12618 Jul 03 j 04:22	0° \mathbb{Z}	
minimum elong	-12619 Aug 19 j 13:50	0° \mathbb{M} 43'25	0°14'51	evening max el	-12618 Jul 16 j 10:44	16° \mathbb{Z} 56'00	21°33'57
transit middle	-12619 Aug 19 j 13:50	0° \mathbb{M} 43'25	0°14'51	retrograde	-12618 Jul 25 j 05:51	22° \mathbb{Z} 07'38	
transit begin	-12619 Aug 19 j 12:40	0° \mathbb{M} 47'18		evening set	-12618 Jul 29 j 12:27	20° \mathbb{Z} 26'20	
transit end	-12619 Aug 19 j 14:59	0° \mathbb{M} 39'32		inferior conj	-12618 Aug 03 j 19:05	14° \mathbb{Z} 16'29	-0°35'12
	-12619 Aug 20 j 02:46	30° \mathbb{R} \mathbb{Z}		minimum elong	-12618 Aug 03 j 19:48	14° \mathbb{Z} 14'01	0°34'23
min. Earth dist.	-12619 Aug 20 j 09:15	29° \mathbb{Z} 38'19	0.66627 AU	min. Earth dist.	-12618 Aug 04 j 03:34	13° \mathbb{Z} 47'14	0.67082 AU
morning rise	-12619 Aug 24 j 23:36	24° \mathbb{Z} 21'05		asc. node	-12618 Aug 05 j 16:43	11° \mathbb{Z} 41'58	
direct	-12619 Aug 30 j 11:07	22° \mathbb{Z} 01'36		morning rise	-12618 Aug 09 j 03:00	7° \mathbb{Z} 55'34	
morning max el	-12619 Sep 10 j 23:04	28° \mathbb{Z} 52'53	24°44'38	direct	-12618 Aug 14 j 00:33	5° \mathbb{Z} 53'22	
	-12619 Sep 12 j 01:04	0° \mathbb{M}		morning max el	-12618 Aug 24 j 09:41	12° \mathbb{Z} 08'28	23°21'35
	-12619 Oct 04 j 08:06	0° \mathbb{Z}			-12618 Sep 07 j 14:49	0° \mathbb{M}	
desc. node	-12619 Oct 06 j 00:03	2° \mathbb{Z} 35'46		desc. node	-12618 Sep 22 j 21:01	22° \mathbb{M} 58'32	
morning set	-12619 Oct 16 j 17:44	20° \mathbb{Z} 24'30			-12618 Sep 27 j 04:45	0° \mathbb{Z}	
max. Earth dist.	-12619 Oct 20 j 16:31	27° \mathbb{Z} 27'50	1.37825 AU	morning set	-12618 Sep 27 j 22:07	1° \mathbb{Z} 11'59	
	-12619 Oct 22 j 01:40	0° Ω		max. Earth dist.	-12618 Oct 02 j 15:18	9° \mathbb{Z} 12'11	1.39793 AU
superior conj	-12619 Oct 27 j 06:25	9° Ω 50'57	-1°36'09				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12618 Oct 10 j 03:07	22° ☿ 36'17	-1°28'04			-12617 Sep 19 j 15:56	0° ☿	
minimum elong	-12618 Oct 10 j 00:36	22° ☿ 24'41	1°27'11					
	-12618 Oct 14 j 01:54	0° ♊			superior conj	-12617 Sep 22 j 03:50	4° ☿ 19'47	-1°09'13
evening rise	-12618 Oct 19 j 10:51	10° ♊ 17'26			minimum elong	-12617 Sep 21 j 23:57	4° ☿ 02'45	1°08'02
	-12618 Oct 30 j 12:57	0° ♋			evening rise	-12617 Oct 02 j 19:04	23° ☿ 31'40	
asc. node	-12618 Nov 01 j 16:01	2° ♋ 58'03				-12617 Oct 06 j 07:48	0° ♊	
evening max el	-12618 Nov 04 j 16:48	6° ♋ 25'14	18°32'14		evening max el	-12617 Oct 19 j 01:27	19° ♊ 25'16	18°10'34
retrograde	-12618 Nov 12 j 11:41	10° ♋ 14'39			asc. node	-12617 Oct 19 j 13:19	19° ♊ 53'47	
evening set	-12618 Nov 14 j 22:44	9° ♋ 53'02			retrograde	-12617 Oct 26 j 02:33	23° ♊ 00'59	
inferior conj	-12618 Nov 22 j 13:35	5° ♋ 18'59	4°15'18		evening set	-12617 Oct 28 j 14:14	22° ♊ 34'44	
minimum elong	-12618 Nov 22 j 12:12	5° ♋ 21'41	4°15'34		inferior conj	-12617 Nov 04 j 16:42	17° ♊ 39'06	3°53'09
min. Earth dist.	-12618 Nov 25 j 18:12	2° ♋ 49'16	0.58989 AU		minimum elong	-12617 Nov 04 j 13:17	17° ♊ 46'48	3°53'10
morning rise	-12618 Nov 29 j 23:51	0° ♋ 04'16			min. Earth dist.	-12617 Nov 07 j 17:25	14° ♊ 55'53	0.60833 AU
	-12618 Nov 30 j 03:10	30° ♋ ♊			morning rise	-12617 Nov 11 j 10:57	12° ♊ 05'18	
direct	-12618 Dec 06 j 07:25	28° ♊ 23'47			direct	-12617 Nov 18 j 09:11	9° ♊ 51'43	
	-12618 Dec 12 j 15:04	0° ♋			morning max el	-12617 Dec 02 j 07:28	17° ♊ 15'43	27°14'45
desc. node	-12618 Dec 19 j 22:29	5° ♋ 17'40			desc. node	-12617 Dec 06 j 19:02	22° ♊ 01'37	
morning max el	-12618 Dec 20 j 08:17	5° ♋ 40'51	26°21'44			-12617 Dec 13 j 00:31	0° ♋	
	-12617 Jan 07 j 07:44	0° ♌				-12617 Dec 30 j 18:31	0° ♌	
morning set	-12617 Jan 18 j 12:01	21° ♌ 21'49			morning set	-12616 Jan 02 j 20:26	6° ♌ 13'52	
	-12617 Jan 22 j 13:05	0° ♍						
					superior conj	-12616 Jan 09 j 23:19	21° ♌ 27'21	-0°49'00
superior conj	-12617 Jan 25 j 11:29	6° ♍ 23'43	-0°28'30		minimum elong	-12616 Jan 10 j 01:01	21° ♌ 36'42	0°49'00
minimum elong	-12617 Jan 25 j 12:36	6° ♍ 29'49	0°28'47		max. Earth dist.	-12616 Jan 09 j 06:33	19° ♌ 55'59	1.32835 AU
max. Earth dist.	-12617 Jan 25 j 17:31	6° ♍ 56'43	1.32812 AU			-12616 Jan 13 j 21:31	0° ♍	
asc. node	-12617 Jan 28 j 13:16	13° ♍ 05'07			asc. node	-12616 Jan 15 j 10:37	3° ♍ 19'06	
evening rise	-12617 Feb 01 j 14:26	21° ♍ 40'26			evening rise	-12616 Jan 17 j 00:03	6° ♍ 36'55	
	-12617 Feb 05 j 17:43	0° ♎				-12616 Jan 29 j 10:58	0° ♎	
	-12617 Feb 24 j 06:22	0° ♏			evening max el	-12616 Feb 13 j 07:24	19° ♎ 23'09	25°30'13
evening max el	-12617 Mar 03 j 09:57	8° ♏ 02'10	26°39'01		retrograde	-12616 Feb 27 j 08:40	26° ♎ 32'23	
retrograde	-12617 Mar 17 j 13:00	15° ♏ 27'01			evening set	-12616 Mar 03 j 14:28	25° ♎ 27'25	
desc. node	-12617 Mar 17 j 23:58	15° ♏ 26'28			desc. node	-12616 Mar 03 j 20:56	25° ♎ 20'43	
evening set	-12617 Mar 23 j 17:00	13° ♏ 47'58			min. Earth dist.	-12616 Mar 08 j 21:02	22° ♎ 29'40	0.57810 AU
min. Earth dist.	-12617 Mar 27 j 23:24	10° ♏ 56'52	0.59690 AU		inferior conj	-12616 Mar 11 j 22:29	20° ♎ 20'08	-1°53'33
inferior conj	-12617 Mar 31 j 07:22	8° ♏ 13'47	-2°48'21		minimum elong	-12616 Mar 11 j 19:09	20° ♎ 26'02	1°53'30
minimum elong	-12617 Mar 31 j 04:28	8° ♏ 19'46	2°48'38		morning rise	-12616 Mar 20 j 03:03	15° ♎ 58'44	
morning rise	-12617 Apr 07 j 18:41	3° ♏ 33'42			direct	-12616 Mar 22 j 08:50	15° ♎ 42'55	
direct	-12617 Apr 10 j 04:42	3° ♏ 11'41			morning max el	-12616 Mar 30 j 20:27	19° ♎ 45'33	18°53'21
morning max el	-12617 Apr 17 j 14:16	6° ♏ 47'41	18°18'42			-12616 Apr 07 j 14:35	0° ♏	
asc. node	-12617 Apr 26 j 12:15	19° ♏ 11'20			asc. node	-12616 Apr 12 j 09:09	8° ♏ 26'31	
	-12617 May 02 j 11:17	0° ♐			morning set	-12616 Apr 16 j 08:19	16° ♏ 03'00	
morning set	-12617 May 03 j 16:29	2° ♐ 17'13				-12616 Apr 23 j 12:10	0° ♐	
superior conj	-12617 May 13 j 11:58	20° ♐ 32'16	1°45'48		superior conj	-12616 Apr 25 j 04:03	3° ♐ 10'33	1°33'36
minimum elong	-12617 May 13 j 10:07	20° ♐ 23'54	1°45'13		minimum elong	-12616 Apr 25 j 01:04	2° ♐ 56'23	1°32'40
	-12617 May 18 j 19:59	0° ♑			max. Earth dist.	-12616 May 01 j 20:40	15° ♐ 31'52	1.38771 AU
max. Earth dist.	-12617 May 20 j 20:20	3° ♑ 28'11	1.40640 AU		evening rise	-12616 May 05 j 23:54	22° ♐ 47'29	
evening rise	-12617 May 26 j 00:03	12° ♑ 06'14				-12616 May 10 j 06:25	0° ♑	
	-12617 Jun 06 j 08:38	0° ♒				-12616 May 30 j 04:30	0° ♒	
desc. node	-12617 Jun 13 j 21:21	11° ♒ 04'08			desc. node	-12616 May 30 j 18:56	0° ♒ 48'28	
	-12617 Jun 28 j 18:55	0° ♓			evening max el	-12616 Jun 10 j 12:04	13° ♒ 36'28	24°16'22
evening max el	-12617 Jun 29 j 01:22	0° ♓ 16'24	22°53'53		retrograde	-12616 Jun 21 j 14:10	20° ♒ 10'23	
retrograde	-12617 Jul 08 j 23:41	6° ♓ 10'07			evening set	-12616 Jun 27 j 01:35	17° ♒ 47'39	
evening set	-12617 Jul 13 j 20:20	4° ♓ 07'33			min. Earth dist.	-12616 Jul 01 j 17:56	12° ♒ 17'28	0.67087 AU
	-12617 Jul 17 j 12:25	30° ♓ ♓			inferior conj	-12616 Jul 02 j 07:20	11° ♒ 31'56	-2°01'42
inferior conj	-12617 Jul 19 j 01:24	27° ♓ 53'40	-1°20'58		minimum elong	-12616 Jul 02 j 09:23	11° ♒ 24'55	2°00'55
minimum elong	-12617 Jul 19 j 02:56	27° ♓ 48'21	1°20'02		morning rise	-12616 Jul 07 j 17:09	5° ♓ 22'56	
min. Earth dist.	-12617 Jul 18 j 23:17	28° ♓ 00'59	0.67245 AU		asc. node	-12616 Jul 09 j 10:18	4° ♓ 22'53	
asc. node	-12617 Jul 23 j 13:32	22° ♓ 20'40			direct	-12616 Jul 11 j 14:39	3° ♓ 55'57	
morning rise	-12617 Jul 24 j 09:27	21° ♓ 36'54			morning max el	-12616 Jul 19 j 18:49	8° ♓ 46'33	20°42'49
direct	-12617 Jul 28 j 18:09	19° ♓ 52'40				-12616 Aug 04 j 14:27	0° ♔	
morning max el	-12617 Aug 06 j 23:27	25° ♓ 25'09	21°58'39		morning set	-12616 Aug 17 j 07:18	19° ♔ 23'15	
	-12617 Aug 11 j 00:31	0° ♕				-12616 Aug 24 j 00:56	0° ♕	
	-12617 Sep 01 j 03:37	0° ♖			desc. node	-12616 Aug 26 j 15:19	4° ♕ 10'08	
morning set	-12617 Sep 08 j 00:20	10° ♖ 43'56			max. Earth dist.	-12616 Aug 27 j 02:24	4° ♕ 54'51	1.43248 AU
desc. node	-12617 Sep 09 j 18:06	13° ♖ 31'14						
max. Earth dist.	-12617 Sep 14 j 17:30	21° ♖ 39'32	1.41693 AU		superior conj	-12616 Sep 02 j 03:04	14° ♖ 47'42	-0°38'11

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12616 Sep 01 j 23:42	14° Π 33'45	0°37'00	superior conj	-12615 Aug 12 j 22:49	23° \mathcal{S} 55'51	0°03'27
	-12616 Sep 11 j 01:29	0° \mathfrak{D}		minimum elong	-12615 Aug 12 j 23:18	23° \mathcal{S} 57'45	0°04'02
evening rise	-12616 Sep 14 j 12:17	6° \mathfrak{D} 01'36		behind sun begin	-12615 Aug 12 j 12:34	23° \mathcal{S} 14'45	
	-12616 Sep 29 j 05:34	0° Ω		behind sun end	-12615 Aug 13 j 10:02	24° \mathcal{S} 40'47	
evening max el	-12616 Oct 01 j 14:13	2° Ω 42'04	18°08'14	desc. node	-12615 Aug 13 j 12:39	24° \mathcal{S} 51'20	
asc. node	-12616 Oct 05 j 10:32	5° Ω 34'55			-12615 Aug 16 j 17:14	0° Π	
retrograde	-12616 Oct 08 j 06:23	6° Ω 14'35		evening rise	-12615 Aug 27 j 08:59	17° Π 32'51	
evening set	-12616 Oct 10 j 20:39	5° Ω 41'41			-12615 Sep 03 j 20:30	0° \mathfrak{D}	
inferior conj	-12616 Oct 17 j 11:34	0° Ω 25'49	3°14'45	evening max el	-12615 Sep 15 j 03:58	16° \mathfrak{D} 08'04	18°24'17
minimum elong	-12616 Oct 17 j 07:43	0° Ω 35'39	3°14'30	retrograde	-12615 Sep 21 j 18:59	19° \mathfrak{D} 46'25	
	-12616 Oct 17 j 21:39	30° \mathcal{R} \mathfrak{D}		asc. node	-12615 Sep 22 j 07:39	19° \mathfrak{D} 44'54	
min. Earth dist.	-12616 Oct 20 j 01:48	27° \mathfrak{D} 47'29	0.62580 AU	evening set	-12615 Sep 24 j 14:02	19° \mathfrak{D} 04'18	
morning rise	-12616 Oct 23 j 17:48	24° \mathfrak{D} 35'21		inferior conj	-12615 Sep 30 j 18:45	13° \mathfrak{D} 31'12	2°27'29
direct	-12616 Oct 30 j 19:00	22° \mathfrak{D} 00'38		minimum elong	-12615 Sep 30 j 15:29	13° \mathfrak{D} 40'27	2°27'13
morning max el	-12616 Nov 13 j 12:47	29° \mathfrak{D} 30'02	27°33'53	min. Earth dist.	-12615 Oct 02 j 20:23	11° \mathfrak{D} 10'50	0.64093 AU
	-12616 Nov 14 j 01:02	0° Ω		morning rise	-12615 Oct 06 j 16:12	7° \mathfrak{D} 27'01	
desc. node	-12616 Nov 22 j 15:36	10° Ω 00'33		direct	-12615 Oct 13 j 11:57	4° \mathfrak{D} 44'11	
	-12616 Dec 05 j 20:15	0° \mathfrak{M}		morning max el	-12615 Oct 26 j 22:00	12° \mathfrak{D} 15'58	27°19'05
morning set	-12616 Dec 16 j 23:40	20° \mathfrak{M} 47'58		desc. node	-12615 Nov 09 j 12:13	28° \mathfrak{D} 52'19	
	-12616 Dec 21 j 10:01	0° \mathfrak{L}			-12615 Nov 10 j 07:05	0° Ω	
max. Earth dist.	-12616 Dec 22 j 16:15	2° \mathfrak{L} 41'12	1.33212 AU		-12615 Nov 28 j 06:01	0° \mathfrak{M}	
				morning set	-12615 Nov 30 j 18:58	4° \mathfrak{M} 54'13	
superior conj	-12616 Dec 24 j 09:48	6° \mathfrak{L} 24'52	-1°07'01	max. Earth dist.	-12615 Dec 05 j 18:46	14° \mathfrak{M} 59'50	1.33976 AU
minimum elong	-12616 Dec 24 j 11:48	6° \mathfrak{L} 35'38	1°06'49				
evening rise	-12616 Dec 31 j 11:11	21° \mathfrak{L} 35'17		superior conj	-12615 Dec 08 j 17:04	21° \mathfrak{M} 09'01	-1°21'45
asc. node	-12615 Jan 01 j 08:01	23° \mathfrak{L} 24'08		minimum elong	-12615 Dec 08 j 18:57	21° \mathfrak{M} 18'59	1°21'25
	-12615 Jan 04 j 14:11	0° \mathfrak{M}			-12615 Dec 12 j 20:39	0° \mathfrak{L}	
	-12615 Jan 24 j 16:53	0° \mathfrak{J}		evening rise	-12615 Dec 15 j 22:08	6° \mathfrak{L} 28'40	
evening max el	-12615 Jan 25 j 00:59	0° \mathfrak{J} 19'18	24°02'03	asc. node	-12615 Dec 19 j 05:26	13° \mathfrak{L} 14'19	
retrograde	-12615 Feb 07 j 16:00	7° \mathfrak{J} 02'38			-12615 Dec 28 j 16:46	0° \mathfrak{M}	
evening set	-12615 Feb 11 j 20:29	6° \mathfrak{J} 23'45		evening max el	-12614 Jan 06 j 19:10	11° \mathfrak{M} 11'47	22°27'51
min. Earth dist.	-12615 Feb 18 j 14:16	3° \mathfrak{J} 07'49	0.56336 AU	retrograde	-12614 Jan 19 j 12:01	17° \mathfrak{M} 16'46	
desc. node	-12615 Feb 18 j 17:46	3° \mathfrak{J} 02'27		evening set	-12614 Jan 22 j 19:17	16° \mathfrak{M} 52'46	
inferior conj	-12615 Feb 20 j 17:49	1° \mathfrak{J} 47'54	-0°30'07	min. Earth dist.	-12614 Jan 31 j 05:13	13° \mathfrak{M} 05'22	0.55543 AU
minimum elong	-12615 Feb 20 j 16:37	1° \mathfrak{J} 49'46	0°30'27	inferior conj	-12614 Jan 31 j 21:02	12° \mathfrak{M} 42'37	1°11'49
	-12615 Feb 23 j 18:05	30° \mathcal{R} \mathfrak{M}		minimum elong	-12614 Feb 01 j 00:01	12° \mathfrak{M} 38'19	1°10'22
morning rise	-12615 Mar 01 j 15:27	27° \mathfrak{M} 40'49		desc. node	-12614 Feb 05 j 14:28	10° \mathfrak{M} 10'46	
direct	-12615 Mar 03 j 19:01	27° \mathfrak{M} 28'34		morning rise	-12614 Feb 10 j 05:45	8° \mathfrak{M} 38'39	
	-12615 Mar 11 j 02:11	0° \mathfrak{J}		direct	-12614 Feb 12 j 14:16	8° \mathfrak{M} 25'44	
morning max el	-12615 Mar 13 j 18:17	2° \mathfrak{J} 11'54	19°47'48	morning max el	-12614 Feb 24 j 05:25	13° \mathfrak{M} 59'23	21°01'25
asc. node	-12615 Mar 30 j 06:07	28° \mathfrak{J} 05'27			-12614 Mar 07 j 21:10	0° \mathfrak{J}	
morning set	-12615 Mar 31 j 09:05	0° \mathfrak{Z} 20'08		morning set	-12614 Mar 15 j 15:55	15° \mathfrak{J} 00'19	
	-12615 Mar 31 j 05:04	0° \mathfrak{Z}		asc. node	-12614 Mar 17 j 03:10	18° \mathfrak{J} 02'00	
					-12614 Mar 22 j 21:36	0° \mathfrak{Z}	
superior conj	-12615 Apr 08 j 11:29	16° \mathfrak{Z} 38'15	1°15'25				
minimum elong	-12615 Apr 08 j 08:33	16° \mathfrak{Z} 23'39	1°14'17	superior conj	-12614 Mar 23 j 06:00	0° \mathfrak{Z} 43'10	0°53'50
max. Earth dist.	-12615 Apr 13 j 23:03	27° \mathfrak{Z} 14'47	1.36987 AU	minimum elong	-12614 Mar 23 j 03:44	0° \mathfrak{Z} 31'33	0°52'40
	-12615 Apr 15 j 10:22	0° \mathfrak{A}		max. Earth dist.	-12614 Mar 27 j 08:54	9° \mathfrak{Z} 02'27	1.35461 AU
evening rise	-12615 Apr 18 j 00:47	4° \mathfrak{A} 45'41		evening rise	-12614 Mar 31 j 21:09	17° \mathfrak{Z} 45'45	
	-12615 May 03 j 05:15	0° \mathfrak{H}			-12614 Apr 07 j 15:36	0° \mathfrak{A}	
desc. node	-12615 May 17 j 16:28	20° \mathfrak{H} 01'07			-12614 Apr 27 j 09:42	0° \mathfrak{H}	
evening max el	-12615 May 23 j 21:38	26° \mathfrak{H} 57'24	25°33'15	desc. node	-12614 May 04 j 13:52	8° \mathfrak{H} 29'32	
	-12615 May 27 j 05:41	0° \mathfrak{Y}		evening max el	-12614 May 06 j 07:50	10° \mathfrak{H} 17'05	26°35'50
retrograde	-12615 Jun 05 j 00:31	4° \mathfrak{Y} 03'25		retrograde	-12614 May 19 j 06:14	17° \mathfrak{H} 43'34	
evening set	-12615 Jun 11 j 02:06	1° \mathfrak{Y} 24'46		evening set	-12614 May 25 j 19:38	14° \mathfrak{H} 57'02	
	-12615 Jun 12 j 12:38	30° \mathcal{R} \mathfrak{H}		min. Earth dist.	-12614 May 29 j 18:49	10° \mathfrak{H} 44'54	0.65685 AU
min. Earth dist.	-12615 Jun 15 j 09:08	26° \mathfrak{H} 33'33	0.66577 AU	inferior conj	-12614 May 31 j 10:26	8° \mathfrak{H} 43'35	-3°02'41
inferior conj	-12615 Jun 16 j 11:00	25° \mathfrak{H} 09'11	-2°36'08	minimum elong	-12614 May 31 j 12:21	8° \mathfrak{H} 37'41	3°02'41
minimum elong	-12615 Jun 16 j 13:13	25° \mathfrak{H} 01'55	2°35'42	morning rise	-12614 Jun 06 j 05:19	2° \mathfrak{H} 58'55	
morning rise	-12615 Jun 22 j 00:22	19° \mathfrak{H} 11'02		direct	-12614 Jun 09 j 09:44	2° \mathfrak{H} 01'25	
direct	-12615 Jun 25 j 12:27	17° \mathfrak{H} 59'46		asc. node	-12614 Jun 13 j 03:42	3° \mathfrak{H} 16'05	
asc. node	-12615 Jun 26 j 07:00	18° \mathfrak{H} 03'06		morning max el	-12614 Jun 16 j 04:28	5° \mathfrak{H} 48'52	18°49'46
morning max el	-12615 Jul 02 j 20:42	22° \mathfrak{H} 14'31	19°38'50		-12614 Jul 02 j 20:44	0° \mathfrak{Y}	
	-12615 Jul 09 j 03:00	0° \mathfrak{Y}		morning set	-12614 Jul 07 j 09:42	7° \mathfrak{Y} 19'07	
morning set	-12615 Jul 27 j 12:21	27° \mathfrak{Y} 58'39			-12614 Jul 21 j 14:45	0° \mathcal{B}	
	-12615 Jul 28 j 19:22	0° \mathcal{B}					
max. Earth dist.	-12615 Aug 09 j 16:35	18° \mathcal{B} 43'36	1.44248 AU	superior conj	-12614 Jul 23 j 00:34	2° \mathcal{B} 13'50	0°47'57

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12614 Jul 23 j 05:57	2° ♄ 35'08	0°47'46	superior conj	-12613 Jul 02 j 05:16	10° ♄ 41'34	1°23'56
max. Earth dist.	-12614 Jul 23 j 08:51	2° ♄ 46'35	1.44576 AU	minimum elong	-12613 Jul 02 j 11:34	11° ♄ 06'57	1°23'34
desc. node	-12614 Jul 31 j 10:06	15° ♄ 31'49		max. Earth dist.	-12613 Jul 06 j 00:23	16° ♄ 46'24	1.44206 AU
evening rise	-12614 Aug 08 j 03:43	27° ♄ 51'25			-12613 Jul 14 j 09:27	0° ♄	
	-12614 Aug 09 j 11:52	0° ♄		desc. node	-12613 Jul 18 j 07:36	6° ♄ 07'51	
evening max el	-12614 Aug 29 j 15:54	29° ♄ 38'19	18°57'48	evening rise	-12613 Jul 18 j 19:27	6° ♄ 54'05	
	-12614 Aug 30 j 00:31	0° ♄		greatest brilliancy	-12613 Jul 30 j 19:28	25° ♄ 23'42	-0.7m
retrograde	-12614 Sep 05 j 12:51	3° ♄ 31'09			-12613 Aug 02 j 21:35	0° ♄	
evening set	-12614 Sep 08 j 15:01	2° ♄ 36'37		evening max el	-12613 Aug 12 j 23:26	13° ♄ 08'12	19°47'36
asc. node	-12614 Sep 09 j 04:41	2° ♄ 14'56		retrograde	-12613 Aug 20 j 09:07	17° ♄ 24'18	
	-12614 Sep 11 j 17:47	30° ♄		evening set	-12613 Aug 23 j 20:46	16° ♄ 13'54	
inferior conj	-12614 Sep 14 j 11:09	26° ♄ 49'34	1°36'09	asc. node	-12613 Aug 27 j 01:38	13° ♄ 13'11	
minimum elong	-12614 Sep 14 j 08:57	26° ♄ 56'21	1°36'08	inferior conj	-12613 Aug 29 j 10:07	10° ♄ 16'00	0°43'54
min. Earth dist.	-12614 Sep 16 j 00:20	24° ♄ 55'17	0.65317 AU	minimum elong	-12613 Aug 29 j 09:07	10° ♄ 19'16	0°44'15
morning rise	-12614 Sep 20 j 02:23	20° ♄ 35'32		min. Earth dist.	-12613 Aug 30 j 11:39	8° ♄ 52'36	0.66237 AU
direct	-12614 Sep 26 j 11:31	17° ♄ 55'39		morning rise	-12613 Sep 03 j 21:09	3° ♄ 56'15	
morning max el	-12614 Oct 09 j 08:27	25° ♄ 21'35	26°34'57	direct	-12613 Sep 09 j 16:58	1° ♄ 27'36	
	-12614 Oct 13 j 16:01	0° ♄		morning max el	-12613 Sep 21 j 18:25	8° ♄ 35'09	25°28'59
desc. node	-12614 Oct 27 j 08:57	18° ♄ 21'57			-12613 Oct 08 j 17:08	0° ♄	
	-12614 Nov 03 j 17:53	0° ♄		desc. node	-12613 Oct 14 j 05:47	8° ♄ 18'26	
morning set	-12614 Nov 14 j 02:50	18° ♄ 22'05			-12613 Oct 27 j 05:47	0° ♄	
max. Earth dist.	-12614 Nov 18 j 11:05	26° ♄ 46'57	1.35162 AU	morning set	-12613 Oct 27 j 18:49	0° ♄ 58'31	
	-12614 Nov 20 j 01:41	0° ♄		max. Earth dist.	-12613 Oct 31 j 16:57	8° ♄ 11'58	1.36757 AU
superior conj	-12614 Nov 22 j 18:56	5° ♄ 32'53	-1°32'06	superior conj	-12613 Nov 06 j 12:36	19° ♄ 28'06	-1°36'44
minimum elong	-12614 Nov 22 j 20:13	5° ♄ 39'31	1°31'41	minimum elong	-12613 Nov 06 j 12:45	19° ♄ 28'51	1°36'13
evening rise	-12614 Nov 30 j 07:15	21° ♄ 11'47			-12613 Nov 11 j 17:54	0° ♄	
	-12614 Dec 04 j 16:28	0° ♄		evening rise	-12613 Nov 14 j 12:43	5° ♄ 39'16	
asc. node	-12614 Dec 06 j 02:50	2° ♄ 43'30		asc. node	-12613 Nov 23 j 00:13	21° ♄ 44'16	
evening max el	-12614 Dec 19 j 19:35	22° ♄ 23'58	21°00'06		-12613 Nov 28 j 12:22	0° ♄	
retrograde	-12614 Dec 31 j 02:35	27° ♄ 42'11		evening max el	-12613 Dec 02 j 05:50	4° ♄ 09'18	19°47'24
evening set	-12613 Jan 02 j 21:36	27° ♄ 23'57		retrograde	-12613 Dec 11 j 23:06	8° ♄ 43'52	
inferior conj	-12613 Jan 11 j 18:32	23° ♄ 24'51	2°47'37	evening set	-12613 Dec 14 j 13:03	8° ♄ 26'00	
minimum elong	-12613 Jan 12 j 00:16	23° ♄ 16'31	2°45'52	inferior conj	-12613 Dec 22 j 23:32	4° ♄ 21'00	3°52'01
min. Earth dist.	-12613 Jan 12 j 19:06	22° ♄ 49'13	0.55604 AU	minimum elong	-12613 Dec 23 j 03:52	4° ♄ 14'09	3°51'21
morning rise	-12613 Jan 21 j 01:50	19° ♄ 08'14		min. Earth dist.	-12613 Dec 25 j 08:22	2° ♄ 51'24	0.56490 AU
desc. node	-12613 Jan 23 j 11:07	18° ♄ 47'41			-12613 Dec 30 j 20:36	30° ♄	
direct	-12613 Jan 24 j 05:19	18° ♄ 46'23		morning rise	-12613 Dec 31 j 16:39	29° ♄ 42'22	
morning max el	-12613 Feb 06 j 05:24	25° ♄ 07'52	22°30'41	direct	-12612 Jan 05 j 03:17	28° ♄ 58'07	
	-12613 Feb 10 j 15:52	0° ♄		desc. node	-12612 Jan 10 j 07:45	29° ♄ 59'43	
morning set	-12613 Feb 28 j 02:29	29° ♄ 55'24			-12612 Jan 10 j 08:02	0° ♄	
	-12613 Feb 28 j 03:22	0° ♄		morning max el	-12612 Jan 18 j 21:31	5° ♄ 51'48	24°07'23
asc. node	-12613 Mar 04 j 00:18	8° ♄ 10'24			-12612 Feb 05 j 00:45	0° ♄	
superior conj	-12613 Mar 07 j 08:13	15° ♄ 14'24	0°30'38	morning set	-12612 Feb 12 j 14:51	14° ♄ 59'05	
minimum elong	-12613 Mar 07 j 06:56	15° ♄ 07'34	0°29'37	asc. node	-12612 Feb 18 j 21:32	28° ♄ 26'22	
max. Earth dist.	-12613 Mar 10 j 04:50	21° ♄ 13'02	1.34279 AU	superior conj	-12612 Feb 19 j 15:39	0° ♄ 04'02	0°07'06
	-12613 Mar 14 j 13:05	0° ♄		minimum elong	-12612 Feb 19 j 15:23	0° ♄ 02'33	0°06'21
evening rise	-12613 Mar 15 j 07:40	1° ♄ 31'14		behind sun begin	-12612 Feb 19 j 10:39	29° ♄ 37'01	
	-12613 Mar 31 j 14:36	0° ♄		behind sun end	-12612 Feb 19 j 20:08	0° ♄ 28'05	
evening max el	-12613 Apr 18 j 18:37	23° ♄ 27'27	27°16'03		-12612 Feb 19 j 14:55	0° ♄	
desc. node	-12613 Apr 21 j 11:11	25° ♄ 55'10		max. Earth dist.	-12612 Feb 21 j 10:02	3° ♄ 51'10	1.33452 AU
	-12613 Apr 27 j 16:36	0° ♄		evening rise	-12612 Feb 27 j 04:17	15° ♄ 49'29	
retrograde	-12613 May 02 j 06:39	1° ♄ 02'28			-12612 Mar 05 j 14:36	0° ♄	
	-12613 May 06 j 13:19	30° ♄			-12612 Mar 25 j 10:08	0° ♄	
evening set	-12613 May 09 j 03:22	28° ♄ 19'29		evening max el	-12612 Mar 31 j 04:17	6° ♄ 17'38	27°27'15
min. Earth dist.	-12613 May 12 j 21:05	24° ♄ 43'00	0.64399 AU	desc. node	-12612 Apr 07 j 08:24	11° ♄ 53'14	
inferior conj	-12613 May 15 j 03:14	22° ♄ 10'53	-3°19'08	retrograde	-12612 Apr 14 j 00:46	13° ♄ 52'17	
minimum elong	-12613 May 15 j 04:19	22° ♄ 07'49	3°19'34	evening set	-12612 Apr 20 j 22:10	11° ♄ 25'48	
morning rise	-12613 May 21 j 05:54	16° ♄ 41'58		min. Earth dist.	-12612 Apr 24 j 14:39	8° ♄ 17'01	0.62753 AU
direct	-12613 May 24 j 04:11	15° ♄ 56'17		inferior conj	-12612 Apr 27 j 10:35	5° ♄ 25'59	-3°22'15
morning max el	-12613 May 30 j 16:21	19° ♄ 25'59	18°17'30	minimum elong	-12612 Apr 27 j 10:16	5° ♄ 26'46	3°22'53
asc. node	-12613 May 31 j 00:26	19° ♄ 46'41		morning rise	-12612 May 03 j 23:37	0° ♄ 14'52	
	-12613 Jun 07 j 13:37	0° ♄			-12612 May 04 j 15:18	30° ♄	
morning set	-12613 Jun 18 j 07:46	17° ♄ 47'29		direct	-12612 May 06 j 16:55	29° ♄ 39'21	
	-12613 Jun 25 j 15:40	0° ♄			-12612 May 08 j 18:11	0° ♄	
				morning max el	-12612 May 13 j 06:08	3° ♄ 01'43	18°03'13

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12612 May 16 j 21:13	7°≈19'35		direct	-12611 Apr 19 j 20:12	13°≈02'32	
morning set	-12612 May 30 j 06:01	29°≈24'46		morning max el	-12611 Apr 26 j 19:16	16°≈29'23	18°07'37
	-12612 May 30 j 14:02	0°≈			-12611 May 03 j 18:03	25°≈40'35	
					-12611 May 06 j 08:11	0°≈	
superior conj	-12612 Jun 11 j 07:28	20°≈12'33	1°44'10	morning set	-12611 May 13 j 00:05	12°≈00'43	
minimum elong	-12612 Jun 11 j 10:34	20°≈25'31	1°43'54		-12611 May 22 j 22:10	0°≈	
	-12612 Jun 17 j 05:57	0°≈					
max. Earth dist.	-12612 Jun 17 j 12:54	0°≈28'11	1.43193 AU	superior conj	-12611 May 23 j 12:41	1°≈03'56	1°48'47
evening rise	-12612 Jun 26 j 19:55	15°≈14'21		minimum elong	-12611 May 23 j 12:13	1°≈01'54	1°48'24
desc. node	-12612 Jul 04 j 05:07	26°≈36'08		max. Earth dist.	-12611 May 30 j 20:15	13°≈36'28	1.41664 AU
	-12612 Jul 06 j 11:03	0°≈		evening rise	-12611 Jun 06 j 03:36	23°≈55'44	
evening max el	-12612 Jul 26 j 00:38	26°≈34'57	20°51'44		-12611 Jun 09 j 23:33	0°≈	
	-12612 Jul 30 j 02:06	0°≈		desc. node	-12611 Jun 21 j 02:40	16°≈52'19	
retrograde	-12612 Aug 03 j 05:41	1°≈23'32			-12611 Jun 30 j 11:07	0°≈	
evening set	-12612 Aug 07 j 04:55	29°≈54'03		evening max el	-12611 Jul 08 j 18:49	9°≈57'18	22°07'10
	-12612 Aug 07 j 01:44	30°≈		retrograde	-12611 Jul 18 j 00:55	15°≈26'09	
inferior conj	-12612 Aug 12 j 13:26	23°≈47'56	-0°07'05	evening set	-12611 Jul 22 j 13:29	13°≈35'35	
minimum elong	-12612 Aug 12 j 13:34	23°≈47'28	0°06'24	inferior conj	-12611 Jul 27 j 19:10	7°≈23'47	-0°55'08
transit middle	-12612 Aug 12 j 13:34	23°≈47'28	0°06'24	minimum elong	-12611 Jul 27 j 20:16	7°≈20'00	0°54'15
transit begin	-12612 Aug 12 j 11:04	23°≈56'00		min. Earth dist.	-12611 Jul 27 j 23:08	7°≈10'06	0.67192 AU
transit end	-12612 Aug 12 j 16:05	23°≈38'56		asc. node	-12611 Jul 30 j 19:23	3°≈25'58	
asc. node	-12612 Aug 12 j 22:33	23°≈16'57		morning rise	-12611 Aug 02 j 02:59	1°≈04'28	
min. Earth dist.	-12612 Aug 13 j 04:01	22°≈58'24	0.66863 AU		-12611 Aug 03 j 16:22	30°≈	
morning rise	-12612 Aug 17 j 22:03	17°≈26'34		direct	-12611 Aug 06 j 18:53	29°≈10'04	
direct	-12612 Aug 23 j 03:40	15°≈14'02			-12611 Aug 10 j 03:14	0°≈	
morning max el	-12612 Sep 03 j 04:15	21°≈50'25	24°09'43	morning max el	-12611 Aug 16 j 15:59	5°≈06'49	22°45'56
	-12612 Sep 10 j 06:20	0°≈			-12611 Sep 04 j 15:00	0°≈	
desc. node	-12612 Sep 30 j 02:42	28°≈33'25		desc. node	-12611 Sep 16 j 23:44	19°≈01'18	
	-12612 Oct 01 j 00:28	0°≈		morning set	-12611 Sep 19 j 06:47	22°≈43'51	
morning set	-12612 Oct 08 j 13:33	12°≈28'48			-12611 Sep 23 j 16:01	0°≈	
max. Earth dist.	-12612 Oct 12 j 16:38	19°≈41'33	1.38656 AU	max. Earth dist.	-12611 Sep 24 j 16:57	1°≈45'31	1.40631 AU
	-12612 Oct 18 j 07:49	0°≈					
				superior conj	-12611 Oct 02 j 07:19	15°≈04'16	-1°21'32
superior conj	-12612 Oct 19 j 18:21	2°≈42'58	-1°33'55	minimum elong	-12611 Oct 02 j 04:06	14°≈49'45	1°20'30
minimum elong	-12612 Oct 19 j 16:52	2°≈35'57	1°33'12		-12611 Oct 10 j 08:45	0°≈	
evening rise	-12612 Oct 28 j 12:17	19°≈44'22		evening rise	-12611 Oct 12 j 03:10	3°≈20'09	
	-12612 Nov 02 j 20:50	0°≈		asc. node	-12611 Oct 26 j 18:55	27°≈37'50	
asc. node	-12612 Nov 08 j 21:36	10°≈06'27		evening max el	-12611 Oct 28 j 07:03	29°≈14'23	18°20'29
evening max el	-12612 Nov 14 j 02:12	16°≈27'45	18°53'48		-12611 Oct 29 j 02:37	0°≈	
retrograde	-12612 Nov 22 j 11:17	20°≈30'04		retrograde	-12611 Nov 04 j 17:17	2°≈56'56	
evening set	-12612 Nov 24 j 23:01	20°≈10'09		evening set	-12611 Nov 07 j 04:21	2°≈33'33	
inferior conj	-12612 Dec 02 j 21:04	15°≈47'46	4°16'43		-12611 Nov 11 j 20:35	30°≈	
minimum elong	-12612 Dec 02 j 21:39	15°≈46'43	4°16'54	inferior conj	-12611 Nov 14 j 13:49	27°≈49'55	4°08'30
min. Earth dist.	-12612 Dec 05 j 22:41	13°≈35'23	0.57980 AU	minimum elong	-12611 Nov 14 j 11:21	27°≈55'03	4°08'41
morning rise	-12612 Dec 10 j 18:22	10°≈45'50		min. Earth dist.	-12611 Nov 17 j 17:44	25°≈12'12	0.59773 AU
direct	-12612 Dec 16 j 12:06	9°≈27'15		morning rise	-12611 Nov 21 j 16:45	22°≈26'38	
desc. node	-12612 Dec 27 j 04:21	13°≈44'49		direct	-12611 Nov 28 j 07:53	20°≈31'20	
morning max el	-12612 Dec 30 j 12:26	16°≈37'26	25°38'11	morning max el	-12611 Dec 12 j 08:09	27°≈51'13	26°48'14
	-12611 Jan 10 j 11:05	0°≈		desc. node	-12611 Dec 14 j 00:56	29°≈33'03	
morning set	-12611 Jan 27 j 03:08	0°≈03'43			-12611 Dec 14 j 11:12	0°≈	
	-12611 Jan 27 j 02:25	0°≈			-12610 Jan 03 j 21:56	0°≈	
				morning set	-12610 Jan 11 j 13:32	15°≈02'31	
superior conj	-12611 Feb 03 j 02:10	15°≈03'55	-0°15'52				
minimum elong	-12611 Feb 03 j 02:50	15°≈07'31	0°16'18	superior conj	-12610 Jan 18 j 14:00	0°≈07'48	-0°37'28
max. Earth dist.	-12611 Feb 03 j 21:12	16°≈47'26	1.32958 AU	minimum elong	-12610 Jan 18 j 15:24	0°≈15'28	0°37'37
asc. node	-12611 Feb 04 j 18:49	18°≈44'47		max. Earth dist.	-12610 Jan 18 j 10:39	29°≈49'30	1.32785 AU
evening rise	-12611 Feb 10 j 07:46	0°≈28'47			-12610 Jan 18 j 12:34	0°≈	
	-12611 Feb 10 j 02:10	0°≈		asc. node	-12610 Jan 22 j 16:09	9°≈01'28	
	-12611 Feb 26 j 17:40	0°≈		evening rise	-12610 Jan 25 j 15:41	15°≈20'46	
evening max el	-12611 Mar 13 j 10:11	18°≈35'20	27°05'51		-12610 Feb 02 j 02:30	0°≈	
desc. node	-12611 Mar 25 j 05:32	25°≈51'17			-12610 Feb 23 j 04:15	0°≈	
retrograde	-12611 Mar 27 j 11:25	26°≈04'38		evening max el	-12610 Feb 23 j 10:30	0°≈15'05	26°12'41
evening set	-12611 Apr 03 j 00:46	24°≈06'04		retrograde	-12610 Mar 09 j 13:17	7°≈34'29	
min. Earth dist.	-12611 Apr 06 j 23:06	21°≈12'53	0.60841 AU	desc. node	-12610 Mar 12 j 02:34	7°≈18'04	
inferior conj	-12611 Apr 10 j 05:02	18°≈20'44	-3°07'20	evening set	-12610 Mar 15 j 08:53	6°≈10'03	
minimum elong	-12611 Apr 10 j 03:00	18°≈25'16	3°07'51	min. Earth dist.	-12610 Mar 19 j 23:49	3°≈17'56	0.58863 AU
morning rise	-12611 Apr 17 j 07:23	13°≈29'12		inferior conj	-12610 Mar 23 j 06:57	0°≈46'28	-2°28'38

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12610 Mar 23 j 03:38	0° S 52'52	2°28'44	morning rise	-12609 Mar 13 j 01:46	8° A 22'36	
	-12610 Mar 24 j 07:19	30° R 47		direct	-12609 Mar 15 j 05:54	8° A 08'50	
morning rise	-12610 Mar 31 j 01:27	26° A 14'58		morning max el	-12609 Mar 24 j 08:00	12° A 27'22	19°14'08
direct	-12610 Apr 02 j 09:41	25° A 55'47			-12609 Apr 05 j 08:06	0° S	
morning max el	-12610 Apr 10 j 04:54	29° A 40'55	18°31'07	asc. node	-12609 Apr 07 j 11:50	4° S 04'42	
	-12610 Apr 10 j 12:45	0° S		morning set	-12609 Apr 10 j 05:09	9° S 23'52	
asc. node	-12610 Apr 20 j 14:54	14° S 38'22					
morning set	-12610 Apr 26 j 09:08	25° S 23'33		superior conj	-12609 Apr 18 j 16:51	26° S 08'50	1°26'27
	-12610 Apr 28 j 18:50	0° \approx		minimum elong	-12609 Apr 18 j 13:46	25° S 53'56	1°25'25
					-12609 Apr 20 j 17:01	0° \approx	
superior conj	-12610 May 05 j 17:36	13° \approx 07'23	1°41'33	max. Earth dist.	-12609 Apr 24 j 21:54	7° \approx 50'55	1.37982 AU
minimum elong	-12610 May 05 j 15:05	12° \approx 55'47	1°40'50	evening rise	-12609 Apr 28 j 22:30	15° \approx 03'59	
max. Earth dist.	-12610 May 12 j 21:57	26° \approx 00'54	1.39841 AU		-12609 May 07 j 19:46	0° H	
	-12610 May 15 j 05:26	0° H		desc. node	-12609 May 25 j 21:46	26° H 22'38	
evening rise	-12610 May 17 j 11:21	3° H 47'55			-12609 May 28 j 19:05	0° Y	
	-12610 Jun 03 j 05:06	0° Y		evening max el	-12609 Jun 03 j 16:57	6° Y 36'15	24°50'17
desc. node	-12610 Jun 08 j 00:15	6° Y 50'18		retrograde	-12609 Jun 15 j 06:29	13° Y 25'56	
evening max el	-12610 Jun 21 j 07:12	23° Y 16'12	23°29'05	evening set	-12609 Jun 20 j 23:58	10° Y 55'46	
retrograde	-12610 Jul 01 j 17:32	29° Y 28'10		min. Earth dist.	-12609 Jun 25 j 12:11	5° Y 41'44	0.66910 AU
evening set	-12610 Jul 06 j 20:28	27° Y 16'28		inferior conj	-12609 Jun 26 j 06:43	4° Y 39'36	-2°17'11
inferior conj	-12610 Jul 12 j 01:30	21° Y 01'20	-1°38'56	minimum elong	-12609 Jun 26 j 08:53	4° Y 32'18	2°16'32
minimum elong	-12610 Jul 12 j 03:19	20° Y 55'07	1°38'03		-12609 Jun 30 j 02:23	30° R 47	
min. Earth dist.	-12610 Jul 11 j 18:37	21° Y 25'05	0.67213 AU	morning rise	-12609 Jul 01 j 17:48	28° H 34'40	
morning rise	-12610 Jul 17 j 10:07	14° Y 47'34		asc. node	-12609 Jul 04 j 12:52	27° H 19'28	
asc. node	-12610 Jul 17 j 16:09	14° Y 36'07		direct	-12609 Jul 05 j 10:59	27° H 14'40	
direct	-12610 Jul 21 j 13:44	13° Y 11'04			-12609 Jul 11 j 07:53	0° Y	
morning max el	-12610 Jul 30 j 08:03	18° Y 25'36	21°25'18	morning max el	-12609 Jul 13 j 06:07	1° Y 49'36	20°13'53
	-12610 Aug 08 j 15:56	0° S			-12609 Aug 02 j 10:27	0° S	
	-12610 Aug 28 j 19:29	0° II		morning set	-12609 Aug 09 j 02:50	10° S 19'23	
morning set	-12610 Aug 29 j 23:19	1° II 49'11		max. Earth dist.	-12609 Aug 20 j 08:38	28° S 02'56	1.43748 AU
desc. node	-12610 Sep 03 j 20:52	9° II 37'06		desc. node	-12609 Aug 21 j 18:07	0° II 17'21	
max. Earth dist.	-12610 Sep 06 j 21:57	14° II 34'10	1.42408 AU		-12609 Aug 21 j 13:48	0° II	
superior conj	-12610 Sep 13 j 21:43	26° II 16'34	-0°57'33	superior conj	-12609 Aug 25 j 08:59	6° II 09'29	-0°21'31
minimum elong	-12610 Sep 13 j 17:43	25° II 59'24	0°56'19	minimum elong	-12609 Aug 25 j 06:51	6° II 00'48	0°20'32
	-12610 Sep 16 j 01:36	0° S		evening rise	-12609 Sep 07 j 14:46	28° II 23'26	
evening rise	-12610 Sep 25 j 05:36	16° S 17'03			-12609 Sep 08 j 13:14	0° S	
	-12610 Oct 02 j 23:23	0° Ω		evening max el	-12609 Sep 25 j 07:17	25° S 43'35	18°12'54
evening max el	-12610 Oct 11 j 17:44	12° Ω 21'59	18°07'12	asc. node	-12609 Sep 30 j 13:19	29° S 07'43	
asc. node	-12610 Oct 13 j 16:10	14° Ω 03'38		retrograde	-12609 Oct 01 j 22:07	29° S 17'23	
retrograde	-12610 Oct 18 j 14:14	15° Ω 55'28		evening set	-12609 Oct 04 j 14:06	28° S 41'00	
evening set	-12610 Oct 21 j 02:36	15° Ω 26'50		inferior conj	-12609 Oct 11 j 00:32	23° S 17'46	2°55'27
inferior conj	-12610 Oct 28 j 00:03	10° Ω 22'22	3°38'22	minimum elong	-12609 Oct 10 j 20:51	23° S 27'38	2°55'09
minimum elong	-12610 Oct 27 j 20:17	10° Ω 31'20	3°38'14	min. Earth dist.	-12609 Oct 13 j 09:39	20° S 45'28	0.63260 AU
min. Earth dist.	-12610 Oct 30 j 20:50	7° Ω 39'00	0.61596 AU	morning rise	-12609 Oct 17 j 02:41	17° S 21'03	
morning rise	-12610 Nov 03 j 12:41	4° Ω 40'47		direct	-12609 Oct 24 j 02:33	14° S 40'55	
direct	-12610 Nov 10 j 13:17	2° Ω 16'28		morning max el	-12609 Nov 06 j 17:28	22° S 12'28	27°31'26
morning max el	-12610 Nov 24 j 10:20	9° Ω 43'53	27°27'09		-12609 Nov 13 j 17:22	0° Ω	
desc. node	-12610 Nov 30 j 21:30	16° Ω 51'56		desc. node	-12609 Nov 17 j 18:06	5° Ω 15'41	
	-12610 Dec 10 j 07:29	0° M			-12609 Dec 03 j 08:56	0° M	
morning set	-12610 Dec 26 j 20:04	29° M 48'11		morning set	-12609 Dec 10 j 20:16	14° M 11'41	
	-12610 Dec 26 j 22:22	0° Ω		max. Earth dist.	-12609 Dec 16 j 05:27	25° M 17'52	1.33482 AU
max. Earth dist.	-12609 Jan 01 j 22:38	12° Ω 43'53	1.32945 AU				
superior conj	-12609 Jan 03 j 01:29	15° Ω 09'40	-0°57'01	superior conj	-12609 Dec 18 j 10:51	0° Ω 02'37	-1°13'44
minimum elong	-12609 Jan 03 j 03:22	15° Ω 19'53	0°56'55	minimum elong	-12609 Dec 18 j 12:51	0° Ω 13'21	1°13'29
asc. node	-12609 Jan 09 j 13:32	29° Ω 12'15			-12609 Dec 18 j 10:22	0° Ω	
	-12609 Jan 09 j 22:35	0° M		evening rise	-12609 Dec 25 j 13:22	15° Ω 15'34	
evening rise	-12609 Jan 10 j 02:08	0° M 18'37		asc. node	-12609 Dec 27 j 10:56	19° Ω 11'46	
	-12609 Jan 26 j 16:53	0° A			-12608 Jan 02 j 00:35	0° M	
evening max el	-12609 Feb 05 j 05:46	11° A 23'08	24°54'20	evening max el	-12608 Jan 17 j 23:05	22° M 15'33	23°22'02
retrograde	-12609 Feb 19 j 04:21	18° A 23'46		retrograde	-12608 Jan 31 j 06:34	28° M 43'49	
evening set	-12609 Feb 23 j 23:10	17° A 31'11		evening set	-12608 Feb 04 j 00:50	28° M 12'54	
desc. node	-12609 Feb 26 j 23:28	16° A 09'01		min. Earth dist.	-12608 Feb 11 j 11:53	24° M 45'18	0.55896 AU
min. Earth dist.	-12609 Mar 01 j 19:27	14° A 26'57	0.57108 AU	inferior conj	-12608 Feb 13 j 01:19	23° M 49'30	0°12'01
inferior conj	-12609 Mar 04 j 13:37	12° A 36'47	-1°21'26	minimum elong	-12608 Feb 13 j 01:48	23° M 48'48	0°11'14
minimum elong	-12609 Mar 04 j 10:51	12° A 41'26	1°21'24	transit middle	-12608 Feb 13 j 01:48	23° M 48'48	0°11'14
				transit begin	-12608 Feb 12 j 22:58	23° M 53'02	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

transit end	-12608 Feb 13 j 04:38	23° \mathbb{M} 44'34		min. Earth dist.	-12607 Jan 23 j 02:10	4° \mathbb{M} 33'46	0.55470 AU
desc. node	-12608 Feb 13 j 20:15	23° \mathbb{M} 21'21		desc. node	-12607 Jan 30 j 16:57	0° \mathbb{M} 54'50	
morning rise	-12608 Feb 22 j 04:45	19° \mathbb{M} 45'06		morning rise	-12607 Feb 01 j 10:26	0° \mathbb{M} 28'37	
direct	-12608 Feb 24 j 09:02	19° \mathbb{M} 33'15		direct	-12607 Feb 04 j 01:29	0° \mathbb{M} 13'02	
morning max el	-12608 Mar 06 j 01:31	24° \mathbb{M} 38'02	20°16'50	morning max el	-12607 Feb 16 j 07:38	6° \mathbb{M} 07'53	21°37'44
	-12608 Mar 10 j 18:04	0° \mathbb{Z}			-12607 Mar 04 j 10:01	0° \mathbb{Z}	
morning set	-12608 Mar 24 j 08:50	23° \mathbb{Z} 51'50		morning set	-12607 Mar 08 j 17:32	8° \mathbb{Z} 39'31	
asc. node	-12608 Mar 24 j 08:51	23° \mathbb{Z} 51'56		asc. node	-12607 Mar 11 j 05:58	13° \mathbb{Z} 54'18	
	-12608 Mar 27 j 08:56	0° \mathbb{Z}					
superior conj	-12608 Apr 01 j 05:27	9° \mathbb{Z} 53'39	1°06'34	superior conj	-12607 Mar 16 j 03:36	24° \mathbb{Z} 10'47	0°44'06
minimum elong	-12608 Apr 01 j 02:45	9° \mathbb{Z} 39'59	1°05'23	minimum elong	-12607 Mar 16 j 01:44	24° \mathbb{Z} 01'03	0°42'59
max. Earth dist.	-12608 Apr 06 j 02:49	19° \mathbb{Z} 32'29	1.36302 AU	max. Earth dist.	-12607 Mar 18 j 23:28	0° \mathbb{Z}	
evening rise	-12608 Apr 10 j 08:26	27° \mathbb{Z} 30'59		evening rise	-12607 Mar 19 j 17:16	1° \mathbb{Z} 30'11	1.34923 AU
	-12608 Apr 11 j 17:05	0° \mathbb{Z}			-12607 Mar 24 j 11:26	10° \mathbb{Z} 52'14	
	-12608 Apr 30 j 03:43	0° \mathbb{H}			-12607 Apr 04 j 04:07	0° \mathbb{Z}	
desc. node	-12608 May 11 j 19:14	15° \mathbb{H} 18'20		evening max el	-12607 Apr 25 j 11:08	0° \mathbb{H}	
evening max el	-12608 May 16 j 02:52	19° \mathbb{H} 57'55	26°02'12	desc. node	-12607 Apr 28 j 13:39	3° \mathbb{H} 15'23	26°56'06
retrograde	-12608 May 28 j 14:55	27° \mathbb{H} 13'53		retrograde	-12607 Apr 28 j 16:37	3° \mathbb{H} 22'39	
evening set	-12608 Jun 03 j 21:48	24° \mathbb{H} 31'03		evening set	-12607 May 11 j 18:12	10° \mathbb{H} 45'46	
min. Earth dist.	-12608 Jun 08 j 01:24	19° \mathbb{H} 56'19	0.66245 AU	min. Earth dist.	-12607 May 18 j 11:29	7° \mathbb{H} 59'23	
inferior conj	-12608 Jun 09 j 08:51	18° \mathbb{H} 16'06	-2°48'31	inferior conj	-12607 May 22 j 08:05	4° \mathbb{H} 03'05	0.65192 AU
minimum elong	-12608 Jun 09 j 11:00	18° \mathbb{H} 09'13	2°48'15	minimum elong	-12607 May 24 j 05:47	1° \mathbb{H} 47'55	-3°11'07
morning rise	-12608 Jun 15 j 00:17	12° \mathbb{H} 23'06			-12607 May 24 j 07:25	1° \mathbb{H} 43'03	3°11'17
direct	-12608 Jun 18 j 08:56	11° \mathbb{H} 17'47		morning rise	-12607 May 25 j 18:58	30° \mathbb{R} \mathbb{Z}	
asc. node	-12608 Jun 20 j 09:34	11° \mathbb{H} 40'20		direct	-12607 May 30 j 03:40	26° \mathbb{Z} 09'38	
morning max el	-12608 Jun 25 j 10:33	15° \mathbb{H} 19'52	19°15'55	asc. node	-12607 Jun 02 j 05:25	25° \mathbb{Z} 17'12	
	-12608 Jul 06 j 07:40	0° \mathbb{Y}		morning max el	-12607 Jun 07 j 06:18	27° \mathbb{Z} 28'09	
morning set	-12608 Jul 18 j 13:01	19° \mathbb{Y} 09'00			-12607 Jun 08 j 20:16	28° \mathbb{Z} 55'30	18°33'54
	-12608 Jul 25 j 09:53	0° \mathbb{B}		morning set	-12607 Jun 09 j 20:27	0° \mathbb{H}	
max. Earth dist.	-12608 Aug 01 j 23:58	11° \mathbb{B} 59'39	1.44474 AU		-12607 Jun 28 j 20:32	28° \mathbb{H} 57'25	
					-12607 Jun 29 j 11:49	0° \mathbb{Y}	
superior conj	-12608 Aug 03 j 19:07	14° \mathbb{B} 50'50	0°22'38	superior conj	-12607 Jul 13 j 19:10	23° \mathbb{Y} 04'04	1°04'53
minimum elong	-12608 Aug 03 j 21:51	15° \mathbb{B} 01'40	0°22'51	minimum elong	-12607 Jul 14 j 01:37	23° \mathbb{Y} 29'42	1°04'33
desc. node	-12608 Aug 07 j 15:29	20° \mathbb{B} 58'43		max. Earth dist.	-12607 Jul 15 j 16:52	26° \mathbb{Y} 05'27	1.44505 AU
	-12608 Aug 13 j 06:07	0° \mathbb{H}			-12607 Jul 18 j 04:07	0° \mathbb{B}	
evening rise	-12608 Aug 19 j 00:55	9° \mathbb{H} 25'05		desc. node	-12607 Jul 25 j 12:55	11° \mathbb{B} 37'37	
	-12608 Aug 31 j 19:47	0° \mathbb{B}		evening rise	-12607 Jul 30 j 07:44	19° \mathbb{B} 10'17	
evening max el	-12608 Sep 07 j 20:43	9° \mathbb{B} 12'51	18°36'34		-12607 Aug 06 j 04:49	0° \mathbb{H}	
retrograde	-12608 Sep 14 j 13:15	12° \mathbb{B} 55'55		evening max el	-12607 Aug 22 j 07:05	22° \mathbb{H} 43'24	19°17'07
asc. node	-12608 Sep 16 j 10:23	12° \mathbb{B} 36'11		retrograde	-12607 Aug 29 j 08:28	26° \mathbb{H} 44'52	
evening set	-12608 Sep 17 j 11:09	12° \mathbb{B} 08'48		evening set	-12607 Sep 01 j 14:30	25° \mathbb{H} 43'48	
inferior conj	-12608 Sep 23 j 12:00	6° \mathbb{B} 29'33	2°05'59	asc. node	-12607 Sep 03 j 07:24	24° \mathbb{H} 24'44	
minimum elong	-12608 Sep 23 j 09:09	6° \mathbb{B} 37'55	2°05'49	inferior conj	-12607 Sep 07 j 07:29	19° \mathbb{H} 51'35	1°13'56
min. Earth dist.	-12608 Sep 25 j 08:17	4° \mathbb{B} 19'36	0.64653 AU	minimum elong	-12607 Sep 07 j 05:47	19° \mathbb{H} 56'58	1°14'05
morning rise	-12608 Sep 29 j 06:33	0° \mathbb{B} 21'00		min. Earth dist.	-12607 Sep 08 j 15:29	18° \mathbb{H} 10'22	0.65743 AU
	-12608 Sep 29 j 17:07	30° \mathbb{R} \mathbb{H}		morning rise	-12607 Sep 12 j 20:43	13° \mathbb{H} 34'49	
direct	-12608 Oct 05 j 22:26	27° \mathbb{H} 38'10		direct	-12607 Sep 19 j 00:20	10° \mathbb{H} 59'15	
	-12608 Oct 12 j 20:56	0° \mathbb{B}		morning max el	-12607 Oct 01 j 13:41	18° \mathbb{H} 18'21	26°09'13
morning max el	-12608 Oct 19 j 03:17	5° \mathbb{B} 08'03	27°03'31		-12607 Oct 11 j 13:17	0° \mathbb{B}	
desc. node	-12608 Nov 03 j 14:46	24° \mathbb{B} 25'47		desc. node	-12607 Oct 21 j 11:32	14° \mathbb{B} 08'00	
	-12608 Nov 07 j 07:40	0° \mathbb{Q}			-12607 Oct 31 j 06:32	0° \mathbb{Q}	
morning set	-12608 Nov 23 j 11:12	28° \mathbb{Q} 03'34		morning set	-12607 Nov 06 j 12:54	11° \mathbb{Q} 11'06	
	-12608 Nov 24 j 11:09	0° \mathbb{M}		max. Earth dist.	-12607 Nov 10 j 15:56	19° \mathbb{Q} 00'56	1.35799 AU
max. Earth dist.	-12608 Nov 28 j 03:55	7° \mathbb{M} 23'49	1.34431 AU				
superior conj	-12608 Dec 01 j 16:10	14° \mathbb{M} 40'00	-1°26'44	superior conj	-12607 Nov 15 j 14:55	28° \mathbb{Q} 52'47	-1°34'51
minimum elong	-12608 Dec 01 j 17:52	14° \mathbb{M} 48'53	1°26'23	minimum elong	-12607 Nov 15 j 15:48	28° \mathbb{Q} 57'14	1°34'25
evening rise	-12608 Dec 08 j 23:48	0° \mathbb{Q} 06'10			-12607 Nov 16 j 04:07	0° \mathbb{M}	
	-12608 Dec 08 j 22:37	0° \mathbb{Q}		evening rise	-12607 Nov 23 j 07:38	14° \mathbb{M} 43'38	
asc. node	-12608 Dec 13 j 08:21	8° \mathbb{Q} 54'24		asc. node	-12607 Nov 30 j 05:45	28° \mathbb{M} 12'44	
	-12608 Dec 26 j 16:55	0° \mathbb{M}			-12607 Dec 01 j 05:55	0° \mathbb{Q}	
evening max el	-12608 Dec 29 j 19:30	3° \mathbb{M} 15'04	21°49'07	evening max el	-12607 Dec 11 j 23:43	14° \mathbb{Q} 39'55	20°26'54
retrograde	-12607 Jan 10 j 22:37	8° \mathbb{M} 59'50		retrograde	-12607 Dec 22 j 14:26	19° \mathbb{Q} 38'53	
evening set	-12607 Jan 13 j 23:49	8° \mathbb{M} 39'05		evening set	-12607 Dec 25 j 06:48	19° \mathbb{Q} 21'08	
inferior conj	-12607 Jan 23 j 00:33	4° \mathbb{M} 36'05	1°54'55	inferior conj	-12606 Jan 02 j 23:40	15° \mathbb{Q} 20'54	3°19'44
minimum elong	-12607 Jan 23 j 05:08	4° \mathbb{M} 29'33	1°53'07	minimum elong	-12606 Jan 03 j 05:18	15° \mathbb{Q} 12'28	3°18'21
				min. Earth dist.	-12606 Jan 04 j 15:19	14° \mathbb{Q} 21'46	0.55896 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12606 Jan 12 j 02:15	10°♌55'53		min. Earth dist.	-12606 Dec 17 j 04:53	24°♎39'07	0.57064 AU
direct	-12606 Jan 15 j 17:59	10°♌26'29		morning rise	-12606 Dec 22 j 19:47	21°♎39'42	
desc. node	-12606 Jan 17 j 13:37	10°♌33'59		direct	-12606 Dec 27 j 20:05	20°♎42'04	
morning max el	-12606 Jan 29 j 03:37	17°♌03'07	23°11'39	desc. node	-12605 Jan 04 j 10:15	22°♎53'26	
	-12606 Feb 08 j 10:28	0°♍		morning max el	-12605 Jan 10 j 18:33	27°♎44'49	24°47'40
morning set	-12606 Feb 21 j 05:07	23°♍39'23			-12605 Jan 12 j 23:46	0°♌	
	-12606 Feb 24 j 05:04	0°♌			-12605 Feb 01 j 10:43	0°♍	
asc. node	-12606 Feb 26 j 03:10	4°♌06'38		morning set	-12605 Feb 05 j 17:38	8°♍44'16	
superior conj	-12606 Feb 28 j 08:21	8°♌50'54	0°20'37	superior conj	-12605 Feb 12 j 17:19	23°♍45'51	-0°02'48
minimum elong	-12606 Feb 28 j 07:29	8°♌46'20	0°19'43	minimum elong	-12605 Feb 12 j 17:27	23°♍46'37	0°03'24
max. Earth dist.	-12606 Mar 02 j 17:32	13°♌53'24	1.33886 AU	behind sun begin	-12605 Feb 12 j 12:28	23°♍19'38	
evening rise	-12606 Mar 08 j 02:41	24°♌52'56		behind sun end	-12605 Feb 12 j 22:26	24°♍13'36	
	-12606 Mar 10 j 17:48	0°♍		asc. node	-12605 Feb 13 j 00:24	24°♍24'14	
	-12606 Mar 28 j 16:21	0°♍		max. Earth dist.	-12605 Feb 14 j 01:30	26°♍39'40	1.33197 AU
evening max el	-12606 Apr 11 j 00:06	16°♍18'21	27°24'33		-12605 Feb 15 j 14:53	0°♌	
desc. node	-12606 Apr 15 j 13:53	20°♍14'55		evening rise	-12605 Feb 20 j 02:30	9°♌21'05	
retrograde	-12606 Apr 24 j 15:59	23°♍54'01			-12605 Mar 03 j 03:23	0°♍	
evening set	-12606 May 01 j 14:09	21°♍16'09		evening max el	-12605 Mar 24 j 08:13	28°♍55'08	27°22'10
min. Earth dist.	-12606 May 05 j 06:34	17°♍53'04	0.63741 AU		-12605 Mar 25 j 11:48	0°♍	
inferior conj	-12606 May 07 j 18:57	15°♍10'56	-3°22'22	desc. node	-12605 Apr 02 j 11:06	5°♍26'17	
minimum elong	-12606 May 07 j 19:30	15°♍09'26	3°22'54	retrograde	-12605 Apr 07 j 07:22	6°♍29'01	
morning rise	-12606 May 14 j 01:42	9°♍49'40		evening set	-12605 Apr 14 j 02:29	4°♍12'57	
direct	-12606 May 16 j 21:49	9°♍08'29		min. Earth dist.	-12605 Apr 17 j 20:11	1°♍12'38	0.61957 AU
morning max el	-12606 May 23 j 09:22	12°♍33'26	18°09'16		-12605 Apr 19 j 03:04	30°♌	
asc. node	-12606 May 25 j 03:05	14°♍27'30		inferior conj	-12605 Apr 20 j 21:14	28°♍18'15	-3°18'27
	-12606 Jun 04 j 09:46	0°♌		minimum elong	-12605 Apr 20 j 20:12	28°♍20'44	3°19'06
morning set	-12606 Jun 10 j 05:20	9°♌56'21		morning rise	-12605 Apr 27 j 15:36	23°♍15'36	
	-12606 Jun 22 j 03:31	0°♌		direct	-12605 Apr 30 j 06:51	22°♍44'10	
superior conj	-12606 Jun 23 j 07:34	1°♌54'52	1°34'36	morning max el	-12605 May 06 j 23:17	26°♍07'04	18°02'49
minimum elong	-12606 Jun 23 j 12:47	2°♌16'13	1°34'16		-12605 May 10 j 07:17	0°♍	
max. Earth dist.	-12606 Jun 28 j 07:43	10°♌00'57	1.43844 AU	asc. node	-12605 May 11 j 23:52	2°♍22'28	
evening rise	-12606 Jul 09 j 14:46	27°♌49'01		morning set	-12605 May 23 j 12:35	21°♍59'41	
	-12606 Jul 11 j 00:32	0°♌			-12605 May 28 j 00:04	0°♌	
desc. node	-12606 Jul 12 j 10:26	2°♌11'03		superior conj	-12605 Jun 03 j 21:19	12°♌00'16	1°47'51
	-12606 Jul 31 j 06:48	0°♍		minimum elong	-12605 Jun 03 j 22:46	12°♌06'29	1°47'34
evening max el	-12606 Aug 05 j 12:01	6°♍11'55	20°13'12	max. Earth dist.	-12605 Jun 10 j 17:43	23°♌28'16	1.42588 AU
retrograde	-12606 Aug 13 j 05:14	10°♍41'09			-12605 Jun 14 j 18:19	0°♌	
evening set	-12606 Aug 16 j 21:33	9°♍22'55		evening rise	-12605 Jun 18 j 15:20	6°♌09'28	
asc. node	-12606 Aug 21 j 04:21	4°♍53'54		desc. node	-12605 Jun 29 j 07:59	22°♌34'45	
inferior conj	-12606 Aug 22 j 08:34	3°♍20'54	0°22'00		-12605 Jul 04 j 08:34	0°♌	
minimum elong	-12606 Aug 22 j 08:04	3°♍22'35	0°22'31	evening max el	-12605 Jul 19 j 10:07	19°♌36'16	21°22'41
min. Earth dist.	-12606 Aug 23 j 05:18	2°♍11'47	0.66535 AU	retrograde	-12605 Jul 28 j 01:29	24°♌41'45	
	-12606 Aug 24 j 22:20	30°♌		evening set	-12605 Aug 01 j 06:05	23°♌03'40	
morning rise	-12606 Aug 27 j 18:22	26°♌59'51		inferior conj	-12605 Aug 06 j 13:08	16°♌54'45	-0°27'54
direct	-12606 Sep 02 j 07:59	24°♌37'53		minimum elong	-12605 Aug 06 j 13:43	16°♌52'47	0°27'07
	-12606 Sep 12 j 08:48	0°♍		min. Earth dist.	-12605 Aug 06 j 23:14	16°♌20'04	0.67036 AU
morning max el	-12606 Sep 13 j 23:42	1°♍34'00	24°56'24	asc. node	-12605 Aug 08 j 01:13	14°♌52'01	
	-12606 Oct 05 j 14:54	0°♍		morning rise	-12605 Aug 11 j 21:11	10°♌33'29	
desc. node	-12606 Oct 08 j 08:23	4°♍13'04		direct	-12605 Aug 16 j 20:49	8°♌28'30	
morning set	-12606 Oct 19 j 20:30	23°♍20'59		morning max el	-12605 Aug 27 j 10:01	14°♌49'28	23°34'03
	-12606 Oct 23 j 13:15	0°♌			-12605 Sep 08 j 17:43	0°♍	
max. Earth dist.	-12606 Oct 23 j 18:35	0°♌24'30	1.37539 AU	desc. node	-12605 Sep 25 j 05:21	24°♍34'04	
superior conj	-12606 Oct 30 j 03:59	12°♌31'45	-1°36'35		-12605 Sep 28 j 14:00	0°♍	
minimum elong	-12606 Oct 30 j 03:29	12°♌29'21	1°35'59	morning set	-12605 Oct 01 j 04:45	4°♍20'01	
evening rise	-12606 Nov 07 j 10:52	29°♌02'09		max. Earth dist.	-12605 Oct 05 j 17:11	12°♍03'24	1.39496 AU
	-12606 Nov 07 j 22:28	0°♎		superior conj	-12605 Oct 13 j 03:13	25°♍25'28	-1°29'59
asc. node	-12606 Nov 17 j 03:08	16°♎58'23		minimum elong	-12605 Oct 13 j 00:58	25°♍15'01	1°29'07
evening max el	-12606 Nov 24 j 14:14	26°♎39'03	19°22'05		-12605 Oct 15 j 13:43	0°♌	
	-12606 Nov 29 j 08:25	0°♌		evening rise	-12605 Oct 22 j 07:06	12°♌55'30	
retrograde	-12606 Dec 03 j 17:07	0°♌58'47			-12605 Oct 31 j 15:37	0°♎	
evening set	-12606 Dec 06 j 05:41	0°♌40'23		asc. node	-12605 Nov 04 j 00:28	5°♎00'48	
	-12606 Dec 08 j 07:24	30°♎		evening max el	-12605 Nov 07 j 14:35	9°♎10'59	18°37'15
inferior conj	-12606 Dec 14 j 10:59	26°♎28'52	4°07'10	retrograde	-12605 Nov 15 j 12:48	13°♎03'12	
minimum elong	-12606 Dec 14 j 13:48	26°♎24'09	4°06'59	evening set	-12605 Nov 18 j 00:00	12°♎42'05	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12605 Nov 25 j 16:43	8°♎11'16	4°16'37	minimum elong	-12604 Nov 06 j 13:58	20°♊33'52	3°57'50
minimum elong	-12605 Nov 25 j 15:49	8°♎13'00	4°16'54	min. Earth dist.	-12604 Nov 09 j 18:58	17°♊44'26	0.60559 AU
min. Earth dist.	-12605 Nov 28 j 21:04	5°♎45'21	0.58718 AU	morning rise	-12604 Nov 13 j 13:34	14°♊55'44	
morning rise	-12605 Dec 03 j 05:45	2°♎59'50		direct	-12604 Nov 20 j 10:21	12°♊46'35	
direct	-12605 Dec 09 j 10:12	1°♎24'52		morning max el	-12604 Dec 04 j 09:08	20°♊09'18	27°08'59
desc. node	-12605 Dec 22 j 06:50	7°♎35'22		desc. node	-12604 Dec 08 j 03:23	24°♊05'36	
morning max el	-12605 Dec 23 j 10:57	8°♎40'25	26°11'14		-12604 Dec 12 j 22:48	0°♎	
	-12604 Jan 08 j 14:25	0°♎			-12604 Dec 31 j 06:27	0°♎	
morning set	-12604 Jan 21 j 05:22	23°♎47'50		morning set	-12603 Jan 04 j 14:21	8°♎41'52	
	-12604 Jan 24 j 03:21	0°♎		max. Earth dist.	-12603 Jan 11 j 03:16	22°♎40'48	1.32812 AU
superior conj	-12604 Jan 28 j 04:37	8°♏49'07	-0°25'14	superior conj	-12603 Jan 11 j 16:29	23°♎52'56	-0°46'03
minimum elong	-12604 Jan 28 j 05:38	8°♏54'35	0°25'32	minimum elong	-12603 Jan 11 j 18:08	24°♎01'54	0°46'04
max. Earth dist.	-12604 Jan 28 j 13:58	9°♏40'07	1.32841 AU		-12603 Jan 14 j 11:47	0°♏	
asc. node	-12604 Jan 30 j 21:42	14°♏43'07		asc. node	-12603 Jan 16 j 19:03	4°♏58'05	
evening rise	-12604 Feb 04 j 08:10	24°♏07'36		evening rise	-12603 Jan 18 j 17:23	9°♏03'13	
	-12604 Feb 07 j 05:41	0°♏			-12603 Jan 29 j 17:10	0°♏	
	-12604 Feb 25 j 02:56	0°♏		evening max el	-12603 Feb 15 j 10:11	22°♏23'45	25°41'55
evening max el	-12604 Mar 05 j 11:59	10°♏57'56	26°46'57	retrograde	-12603 Mar 01 j 11:56	29°♏35'38	
desc. node	-12604 Mar 19 j 08:11	18°♏23'46		desc. node	-12603 Mar 06 j 05:09	28°♏42'08	
retrograde	-12604 Mar 19 j 14:45	18°♏23'58		evening set	-12603 Mar 06 j 21:33	28°♏25'49	
evening set	-12604 Mar 25 j 21:25	16°♏39'52		min. Earth dist.	-12603 Mar 11 j 23:40	25°♏29'59	0.58077 AU
min. Earth dist.	-12604 Mar 30 j 01:26	13°♏48'32	0.59992 AU	inferior conj	-12603 Mar 15 j 03:06	23°♏14'13	-2°03'47
inferior conj	-12604 Apr 02 j 09:08	11°♏02'29	-2°54'12	minimum elong	-12603 Mar 14 j 23:42	23°♏20'23	2°03'45
minimum elong	-12604 Apr 02 j 06:26	11°♏08'09	2°54'34	morning rise	-12603 Mar 23 j 05:01	18°♏50'15	
morning rise	-12604 Apr 09 j 18:01	6°♏19'18		direct	-12603 Mar 25 j 11:28	18°♏33'35	
direct	-12604 Apr 12 j 04:46	5°♏56'06		morning max el	-12603 Apr 02 j 18:24	22°♏31'05	18°46'55
morning max el	-12604 Apr 19 j 11:16	9°♏29'21	18°15'09		-12603 Apr 08 j 18:07	0°♏	
asc. node	-12604 Apr 27 j 20:42	21°♏00'44		asc. node	-12603 Apr 14 j 17:36	10°♏11'53	
	-12604 May 02 j 21:44	0°♏		morning set	-12603 Apr 19 j 03:46	18°♏37'36	
morning set	-12604 May 05 j 13:35	4°♏57'13			-12603 Apr 25 j 00:20	0°♏	
superior conj	-12604 May 15 j 13:13	23°♏23'54	1°46'55	superior conj	-12603 Apr 28 j 02:34	5°♏53'47	1°35'54
minimum elong	-12604 May 15 j 11:40	23°♏16'59	1°46'24	minimum elong	-12603 Apr 27 j 23:40	5°♏40'07	1°35'02
	-12604 May 19 j 06:37	0°♏		max. Earth dist.	-12603 May 04 j 22:49	18°♏26'25	1.39049 AU
max. Earth dist.	-12604 May 22 j 22:06	6°♏16'47	1.40915 AU	evening rise	-12603 May 09 j 03:47	25°♏46'23	
evening rise	-12604 May 28 j 08:05	15°♏17'41			-12603 May 11 j 15:49	0°♏	
	-12604 Jun 06 j 15:36	0°♏			-12603 May 31 j 06:34	0°♏	
desc. node	-12604 Jun 15 j 05:32	12°♏43'58		desc. node	-12603 Jun 02 j 03:04	2°♏32'14	
	-12604 Jun 28 j 08:00	0°♏		evening max el	-12603 Jun 13 j 12:40	16°♏17'12	24°04'13
evening max el	-12604 Jul 01 j 01:38	2°♏57'14	22°41'40	retrograde	-12603 Jun 24 j 10:40	22°♏45'28	
retrograde	-12604 Jul 10 j 19:38	8°♏44'19		evening set	-12603 Jun 29 j 19:55	20°♏25'25	
evening set	-12604 Jul 15 j 14:11	6°♏44'52		min. Earth dist.	-12603 Jul 04 j 13:43	14°♏49'46	0.67131 AU
inferior conj	-12604 Jul 20 j 19:21	0°♏31'34	-1°14'18	inferior conj	-12603 Jul 05 j 01:25	14°♏09'51	-1°55'55
minimum elong	-12604 Jul 20 j 20:47	0°♏26'37	1°13'24	minimum elong	-12603 Jul 05 j 03:25	14°♏03'00	1°55'07
min. Earth dist.	-12604 Jul 20 j 18:51	0°♏33'19	0.67242 AU	morning rise	-12603 Jul 10 j 10:53	7°♏59'38	
	-12604 Jul 21 j 04:29	30°♏		asc. node	-12603 Jul 11 j 18:44	7°♏09'24	
asc. node	-12604 Jul 24 j 22:00	25°♏21'20		direct	-12603 Jul 14 j 09:55	6°♏30'16	
morning rise	-12604 Jul 26 j 03:17	24°♏14'04		morning max el	-12603 Jul 22 j 17:33	11°♏26'44	20°53'31
direct	-12604 Jul 30 j 13:51	22°♏27'08			-12603 Aug 05 j 19:27	0°♏	
morning max el	-12604 Aug 08 j 23:05	28°♏05'44	22°10'43	morning set	-12603 Aug 20 j 19:40	22°♏47'37	
	-12604 Aug 10 j 17:33	0°♏			-12603 Aug 25 j 09:35	0°♏	
	-12604 Sep 01 j 10:43	0°♏		desc. node	-12603 Aug 28 j 23:36	5°♏44'04	
morning set	-12604 Sep 10 j 10:43	14°♏02'41		max. Earth dist.	-12603 Aug 30 j 03:00	7°♏34'52	1.43048 AU
desc. node	-12604 Sep 11 j 02:25	15°♏05'40		superior conj	-12603 Sep 05 j 10:35	17°♏59'22	-0°43'38
max. Earth dist.	-12604 Sep 16 j 18:50	24°♏24'50	1.41427 AU	minimum elong	-12603 Sep 05 j 06:57	17°♏44'08	0°42'27
	-12604 Sep 20 j 02:07	0°♏			-12603 Sep 12 j 11:24	0°♏	
superior conj	-12604 Sep 24 j 07:19	7°♏19'29	-1°12'52	evening rise	-12603 Sep 17 j 12:56	8°♏53'18	
minimum elong	-12604 Sep 24 j 03:33	7°♏02'53	1°11'43		-12603 Sep 30 j 02:37	0°♏	
evening rise	-12604 Oct 04 j 17:09	26°♏15'42		evening max el	-12603 Oct 04 j 10:37	5°♏22'21	18°07'18
	-12604 Oct 06 j 17:39	0°♏		asc. node	-12603 Oct 07 j 18:56	7°♏59'43	
asc. node	-12604 Oct 20 j 21:45	22°♏06'22		retrograde	-12603 Oct 11 j 03:39	8°♏54'52	
evening max el	-12604 Oct 20 j 22:20	22°♏07'48	18°12'31	evening set	-12603 Oct 13 j 17:21	8°♏23'09	
retrograde	-12604 Oct 28 j 01:26	25°♏44'53		inferior conj	-12603 Oct 20 j 09:55	3°♏10'02	3°21'17
evening set	-12604 Oct 30 j 12:57	25°♏19'23		minimum elong	-12603 Oct 20 j 06:03	3°♏19'44	3°21'03
inferior conj	-12604 Nov 06 j 17:11	20°♏26'45	3°57'47	min. Earth dist.	-12603 Oct 23 j 01:53	0°♏29'59	0.62333 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12603 Oct 23 j 14:24	30° RS		inferior conj	-12602 Oct 03 j 15:29	16° SI 13'14	2°34'59
morning rise	-12603 Oct 26 j 17:41	27° SI 21'42		minimum elong	-12602 Oct 03 j 12:05	16° SI 22'44	2°34'42
direct	-12603 Nov 02 j 18:59	24° SI 49'23		min. Earth dist.	-12602 Oct 05 j 19:04	13° SI 49'25	0.63887 AU
	-12603 Nov 14 j 00:30	0° SI		morning rise	-12602 Oct 09 j 14:03	10° SI 10'46	
morning max el	-12603 Nov 16 j 13:46	2° SI 18'16	27°33'15	direct	-12602 Oct 16 j 11:01	7° SI 28'11	
desc. node	-12603 Nov 24 j 23:59	11° SI 54'45		morning max el	-12602 Oct 29 j 22:35	15° SI 00'25	27°23'14
	-12603 Dec 07 j 04:10	0° M			-12602 Nov 11 j 09:16	0° SI	
morning set	-12603 Dec 19 j 18:29	23° M 18'53		desc. node	-12602 Nov 11 j 20:38	0° SI 39'56	
	-12603 Dec 22 j 23:59	0° SI			-12602 Nov 29 j 17:31	0° M	
max. Earth dist.	-12603 Dec 25 j 13:41	5° SI 28'33	1.33132 AU	morning set	-12602 Dec 03 j 15:11	7° M 30'14	
				max. Earth dist.	-12602 Dec 08 j 17:24	17° M 51'25	1.33832 AU
superior conj	-12603 Dec 27 j 03:15	8° SI 51'20	-1°04'30				
minimum elong	-12603 Dec 27 j 05:14	9° SI 02'02	1°04'20	superior conj	-12602 Dec 11 j 11:09	23° M 38'09	-1°19'46
evening rise	-12602 Jan 03 j 04:21	24° SI 01'14		minimum elong	-12602 Dec 11 j 13:05	23° M 48'25	1°19'29
asc. node	-12602 Jan 03 j 16:26	25° SI 04'29			-12602 Dec 14 j 10:35	0° SI	
	-12602 Jan 06 j 02:02	0° M		evening rise	-12602 Dec 18 j 15:27	8° SI 55'51	
	-12602 Jan 24 j 22:07	0° SI		asc. node	-12602 Dec 21 j 13:50	14° SI 57'22	
evening max el	-12602 Jan 28 j 03:57	3° SI 21'42	24°15'52		-12602 Dec 29 j 19:44	0° M	
retrograde	-12602 Feb 10 j 21:16	10° SI 10'07		evening max el	-12601 Jan 09 j 21:43	14° M 13'37	22°41'47
evening set	-12602 Feb 15 j 05:26	9° SI 28'00		retrograde	-12601 Jan 22 j 18:57	20° M 25'14	
desc. node	-12602 Feb 21 j 02:00	6° SI 38'57		evening set	-12601 Jan 26 j 04:41	19° M 59'49	
min. Earth dist.	-12602 Feb 21 j 17:19	6° SI 15'32	0.56514 AU	min. Earth dist.	-12601 Feb 03 j 08:45	16° M 17'58	0.55602 AU
inferior conj	-12602 Feb 24 j 01:15	4° SI 47'24	-0°44'23	inferior conj	-12601 Feb 04 j 06:24	15° M 46'35	0°56'09
minimum elong	-12602 Feb 23 j 23:32	4° SI 50'06	0°44'34	minimum elong	-12601 Feb 04 j 08:45	15° M 43'11	0°54'50
morning rise	-12602 Mar 04 j 20:33	0° SI 38'57		desc. node	-12601 Feb 07 j 22:47	13° M 44'18	
direct	-12602 Mar 07 j 00:06	0° SI 26'27		morning rise	-12601 Feb 13 j 14:07	11° M 43'00	
morning max el	-12602 Mar 16 j 17:40	5° SI 02'49	19°38'30	direct	-12601 Feb 15 j 21:00	11° M 30'38	
asc. node	-12602 Apr 01 j 14:34	29° SI 47'50		morning max el	-12601 Feb 27 j 06:34	16° M 56'57	20°49'22
	-12602 Apr 01 j 17:02	0° SI			-12601 Mar 09 j 03:36	0° SI	
morning set	-12602 Apr 03 j 03:23	2° SI 50'43		morning set	-12601 Mar 18 j 09:31	17° SI 28'18	
				asc. node	-12601 Mar 19 j 11:38	19° SI 42'24	
superior conj	-12602 Apr 11 j 08:01	19° SI 15'17	1°18'27		-12601 Mar 24 j 11:00	0° SI	
minimum elong	-12602 Apr 11 j 05:01	19° SI 00'29	1°17'20				
	-12602 Apr 16 j 22:08	0° SI		superior conj	-12601 Mar 26 j 01:10	3° SI 15'49	0°57'16
max. Earth dist.	-12602 Apr 17 j 00:23	0° SI 10'31	1.37235 AU	minimum elong	-12601 Mar 25 j 22:46	3° SI 03'36	0°56'05
evening rise	-12602 Apr 21 j 01:15	7° SI 34'08		max. Earth dist.	-12601 Mar 30 j 08:44	11° SI 55'39	1.35665 AU
	-12602 May 04 j 11:47	0° SI		evening rise	-12601 Apr 03 j 19:08	20° SI 26'39	
desc. node	-12602 May 20 j 00:34	21° SI 50'32			-12601 Apr 09 j 01:32	0° SI	
evening max el	-12602 May 26 j 22:06	29° SI 37'43	25°22'29		-12601 Apr 28 j 09:09	0° SI	
	-12602 May 27 j 07:07	0° Y		desc. node	-12601 May 06 j 21:59	10° SI 27'01	
retrograde	-12602 Jun 07 j 21:42	6° Y 40'05		evening max el	-12601 May 09 j 08:14	12° SI 58'25	26°27'45
evening set	-12602 Jun 13 j 21:17	4° Y 03'17		retrograde	-12601 May 22 j 04:16	20° SI 22'48	
	-12602 Jun 17 j 12:57	30° RS		evening set	-12601 May 28 j 16:02	17° SI 36'54	
min. Earth dist.	-12602 Jun 18 j 05:34	29° SI 06'12	0.66675 AU	min. Earth dist.	-12601 Jun 01 j 16:17	13° SI 18'56	0.65844 AU
inferior conj	-12602 Jun 19 j 05:32	27° SI 47'26	-2°31'27	inferior conj	-12601 Jun 03 j 05:46	11° SI 22'52	-2°59'21
minimum elong	-12602 Jun 19 j 07:45	27° SI 40'07	2°30'57	minimum elong	-12601 Jun 03 j 07:46	11° SI 16'39	2°59'15
morning rise	-12602 Jun 24 j 18:16	21° SI 47'31		morning rise	-12601 Jun 08 j 23:41	5° SI 35'56	
direct	-12602 Jun 28 j 07:34	20° SI 34'08		direct	-12601 Jun 12 j 05:07	4° SI 36'30	
asc. node	-12602 Jun 28 j 15:27	20° SI 34'44		asc. node	-12601 Jun 15 j 12:11	5° SI 34'44	
morning max el	-12602 Jul 05 j 18:30	24° SI 53'55	19°47'27	morning max el	-12601 Jun 19 j 01:28	8° SI 27'34	18°55'58
	-12602 Jul 10 j 01:58	0° Y			-12601 Jul 04 j 04:01	0° Y	
	-12602 Jul 30 j 03:10	0° SI		morning set	-12601 Jul 10 j 17:43	10° Y 31'20	
morning set	-12602 Jul 30 j 23:38	1° SI 19'52			-12601 Jul 22 j 23:20	0° SI	
max. Earth dist.	-12602 Aug 12 j 16:16	21° SI 18'45	1.44139 AU				
desc. node	-12602 Aug 15 j 20:53	26° SI 25'06		superior conj	-12601 Jul 26 j 13:24	5° SI 40'35	0°41'31
				minimum elong	-12601 Jul 26 j 18:12	5° SI 59'33	0°41'26
superior conj	-12602 Aug 16 j 10:07	27° SI 18'20	-0°03'18	max. Earth dist.	-12601 Jul 26 j 08:09	5° SI 19'47	1.44574 AU
minimum elong	-12602 Aug 16 j 09:50	27° SI 17'10	0°02'37	desc. node	-12601 Aug 02 j 18:15	17° SI 05'45	
behind sun begin	-12602 Aug 15 j 23:04	26° SI 33'52			-12601 Aug 10 j 19:56	0° I	
behind sun end	-12602 Aug 16 j 20:36	28° SI 00'32		evening rise	-12601 Aug 11 j 11:49	1° I 03'54	
	-12602 Aug 18 j 02:12	0° I			-12601 Aug 30 j 11:47	0° SI	
evening rise	-12602 Aug 30 j 13:02	20° I 34'10		evening max el	-12601 Sep 01 j 12:47	2° SI 17'28	18°51'49
	-12602 Sep 05 j 03:41	0° SI		retrograde	-12601 Sep 08 j 08:25	6° SI 07'29	
evening max el	-12602 Sep 18 j 00:23	18° SI 47'19	18°20'46	evening set	-12601 Sep 11 j 09:24	5° SI 15'02	
retrograde	-12602 Sep 24 j 15:12	22° SI 24'23		asc. node	-12601 Sep 11 j 13:07	5° SI 09'35	
asc. node	-12602 Sep 24 j 16:04	22° SI 24'23			-12601 Sep 16 j 20:49	30° RI	
evening set	-12602 Sep 27 j 09:20	21° SI 43'54		inferior conj	-12601 Sep 17 j 06:42	29° I 30'01	1°44'01

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12601 Sep 17 j 04:20	29° Π 37'16	1°43'58	evening set	-12600 Aug 25 j 14:37	18° Π 52'23	
min. Earth dist.	-12601 Sep 18 j 21:45	27° Π 31'23	0.65155 AU	asc. node	-12600 Aug 28 j 10:06	16° Π 20'44	
morning rise	-12601 Sep 22 j 22:43	23° Π 17'16		inferior conj	-12600 Aug 31 j 04:52	12° Π 55'56	0°51'47
direct	-12601 Sep 29 j 09:44	20° Π 36'13		minimum elong	-12600 Aug 31 j 03:41	12° Π 59'47	0°52'05
morning max el	-12601 Oct 12 j 08:53	28° Π 03'42	26°43'04	min. Earth dist.	-12600 Sep 01 j 08:03	11° Π 27'51	0.66121 AU
	-12601 Oct 14 j 06:11	0° \mathfrak{C}		morning rise	-12600 Sep 05 j 16:25	6° Π 36'58	
desc. node	-12601 Oct 29 j 17:20	20° \mathfrak{C} 04'53		direct	-12600 Sep 11 j 14:21	4° Π 06'17	
	-12601 Nov 05 j 01:58	0° \mathcal{O}		morning max el	-12600 Sep 23 j 18:58	11° Π 17'00	25°39'53
morning set	-12601 Nov 17 j 01:02	21° \mathcal{O} 04'53			-12600 Oct 08 j 20:51	0° \mathfrak{C}	
max. Earth dist.	-12601 Nov 21 j 11:17	29° \mathcal{O} 43'04	1.34956 AU	desc. node	-12600 Oct 15 j 14:07	9° \mathfrak{C} 58'08	
	-12601 Nov 21 j 14:40	0° \mathfrak{M}			-12600 Oct 27 j 16:23	0° \mathcal{O}	
				morning set	-12600 Oct 29 j 19:43	3° \mathcal{O} 50'13	
superior conj	-12601 Nov 25 j 14:00	8° \mathfrak{M} 06'04	-1°30'52	max. Earth dist.	-12600 Nov 02 j 18:40	11° \mathcal{O} 10'55	1.36500 AU
minimum elong	-12601 Nov 25 j 15:25	8° \mathfrak{M} 13'23	1°30'30				
evening rise	-12601 Dec 03 j 00:59	23° \mathfrak{M} 41'13		superior conj	-12600 Nov 08 j 09:09	22° \mathcal{O} 06'40	-1°36'30
	-12601 Dec 06 j 03:32	0° \mathfrak{A}		minimum elong	-12600 Nov 08 j 09:30	22° \mathcal{O} 08'28	1°36'00
asc. node	-12601 Dec 08 j 11:15	4° \mathfrak{A} 30'25			-12600 Nov 12 j 06:43	0° \mathfrak{M}	
evening max el	-12601 Dec 22 j 21:04	25° \mathfrak{A} 22'27	21°12'25	evening rise	-12600 Nov 16 j 07:09	8° \mathfrak{M} 11'55	
	-12601 Dec 29 j 23:37	0° \mathfrak{M}		asc. node	-12600 Nov 24 j 08:39	23° \mathfrak{M} 36'18	
retrograde	-12600 Jan 03 j 09:29	0° \mathfrak{M} 47'23			-12600 Nov 28 j 08:59	0° \mathfrak{A}	
evening set	-12600 Jan 06 j 05:48	0° \mathfrak{M} 28'44		evening max el	-12600 Dec 04 j 05:45	7° \mathfrak{A} 02'40	19°57'01
	-12600 Jan 07 j 23:49	30° \mathfrak{R} \mathfrak{A}		retrograde	-12600 Dec 14 j 04:19	11° \mathfrak{A} 43'02	
inferior conj	-12600 Jan 15 j 03:57	26° \mathfrak{A} 29'20	2°34'43	evening set	-12600 Dec 16 j 18:52	11° \mathfrak{A} 25'14	
minimum elong	-12600 Jan 15 j 09:31	26° \mathfrak{A} 21'18	2°32'53	inferior conj	-12600 Dec 25 j 07:06	7° \mathfrak{A} 21'53	3°44'50
min. Earth dist.	-12600 Jan 15 j 22:49	26° \mathfrak{A} 02'09	0.55540 AU	minimum elong	-12600 Dec 25 j 11:52	7° \mathfrak{A} 14'27	3°43'58
morning rise	-12600 Jan 24 j 12:21	22° \mathfrak{A} 15'22		min. Earth dist.	-12600 Dec 27 j 11:57	5° \mathfrak{A} 59'56	0.56319 AU
desc. node	-12600 Jan 25 j 19:31	22° \mathfrak{A} 01'57		morning rise	-12599 Jan 03 j 02:56	2° \mathfrak{A} 46'57	
direct	-12600 Jan 27 j 12:12	21° \mathfrak{A} 55'30		direct	-12599 Jan 07 j 08:39	2° \mathfrak{A} 06'59	
morning max el	-12600 Feb 09 j 08:04	28° \mathfrak{A} 10'44	22°16'39	desc. node	-12599 Jan 11 j 16:10	2° \mathfrak{A} 49'31	
	-12600 Feb 11 j 03:11	0° \mathfrak{M}		morning max el	-12599 Jan 21 j 00:56	8° \mathfrak{A} 56'30	23°52'58
	-12600 Feb 29 j 16:14	0° \mathfrak{A}			-12599 Feb 05 j 09:09	0° \mathfrak{M}	
morning set	-12600 Mar 01 j 19:41	2° \mathfrak{A} 21'42		morning set	-12599 Feb 14 j 07:52	17° \mathfrak{M} 24'22	
asc. node	-12600 Mar 05 j 08:47	9° \mathfrak{A} 49'25		asc. node	-12599 Feb 20 j 06:00	0° \mathfrak{A} 04'19	
					-12599 Feb 20 j 05:12	0° \mathfrak{A}	
superior conj	-12600 Mar 09 j 02:26	17° \mathfrak{A} 43'43	0°34'12				
minimum elong	-12600 Mar 09 j 00:59	17° \mathfrak{A} 36'05	0°33'10	superior conj	-12599 Feb 21 j 09:13	2° \mathfrak{A} 30'42	0°10'38
max. Earth dist.	-12600 Mar 12 j 03:16	24° \mathfrak{A} 02'43	1.34434 AU	minimum elong	-12599 Feb 21 j 08:47	2° \mathfrak{A} 28'25	0°09'51
	-12600 Mar 15 j 01:49	0° \mathfrak{C}		behind sun begin	-12599 Feb 21 j 04:43	2° \mathfrak{A} 06'34	
evening rise	-12600 Mar 17 j 03:54	4° \mathfrak{C} 06'29		behind sun end	-12599 Feb 21 j 12:51	2° \mathfrak{A} 50'16	
	-12600 Mar 31 j 20:37	0° \mathfrak{A}		max. Earth dist.	-12599 Feb 23 j 07:19	6° \mathfrak{A} 37'05	1.33557 AU
evening max el	-12600 Apr 20 j 19:10	26° \mathfrak{A} 11'24	27°11'47	evening rise	-12599 Feb 28 j 23:12	18° \mathfrak{A} 20'12	
desc. node	-12600 Apr 22 j 19:22	28° \mathfrak{A} 03'49			-12599 Mar 07 j 00:57	0° \mathfrak{C}	
	-12600 Apr 25 j 04:00	0° \mathfrak{A}			-12599 Mar 26 j 05:12	0° \mathfrak{A}	
retrograde	-12600 May 04 j 05:28	3° \mathfrak{A} 45'25		evening max el	-12599 Apr 03 j 05:08	9° \mathfrak{A} 05'00	27°27'35
evening set	-12600 May 11 j 01:26	1° \mathfrak{A} 01'14		desc. node	-12599 Apr 09 j 16:39	14° \mathfrak{A} 16'57	
	-12600 May 12 j 05:41	30° \mathfrak{R} \mathfrak{A}		retrograde	-12599 Apr 17 j 00:26	16° \mathfrak{A} 39'48	
min. Earth dist.	-12600 May 14 j 19:50	27° \mathfrak{A} 19'43	0.64616 AU	evening set	-12599 Apr 23 j 22:21	14° \mathfrak{A} 10'02	
inferior conj	-12600 May 16 j 23:45	24° \mathfrak{A} 51'47	-3°17'30	min. Earth dist.	-12599 Apr 27 j 14:39	10° \mathfrak{A} 57'55	0.63017 AU
minimum elong	-12600 May 17 j 01:00	24° \mathfrak{A} 48'13	3°17'51	inferior conj	-12599 Apr 30 j 08:41	8° \mathfrak{A} 08'47	-3°22'51
morning rise	-12600 May 23 j 01:05	19° \mathfrak{A} 20'14		minimum elong	-12599 Apr 30 j 08:37	8° \mathfrak{A} 08'58	3°23'29
direct	-12600 May 26 j 00:13	18° \mathfrak{A} 32'50		morning rise	-12599 May 06 j 19:59	2° \mathfrak{A} 54'58	
asc. node	-12600 Jun 01 j 08:57	21° \mathfrak{A} 54'46		direct	-12599 May 09 j 14:03	2° \mathfrak{A} 17'57	
morning max el	-12600 Jun 01 j 12:51	22° \mathfrak{A} 04'31	18°21'11	morning max el	-12599 May 16 j 02:30	5° \mathfrak{A} 40'32	18°04'15
	-12600 Jun 07 j 16:59	0° \mathfrak{A}		asc. node	-12599 May 19 j 05:43	9° \mathfrak{A} 18'59	
morning set	-12600 Jun 20 j 12:06	20° \mathfrak{A} 49'52			-12599 May 31 j 23:33	0° \mathfrak{A}	
	-12600 Jun 26 j 00:44	0° \mathfrak{Y}		morning set	-12599 Jun 02 j 06:59	2° \mathfrak{A} 17'24	
superior conj	-12600 Jul 04 j 16:19	14° \mathfrak{Y} 03'16	1°19'27	superior conj	-12599 Jun 14 j 14:37	23° \mathfrak{A} 22'44	1°42'11
minimum elong	-12600 Jul 04 j 22:49	14° \mathfrak{Y} 29'22	1°19'04	minimum elong	-12599 Jun 14 j 18:19	23° \mathfrak{A} 38'06	1°41'55
max. Earth dist.	-12600 Jul 08 j 00:12	19° \mathfrak{Y} 22'16	1.44307 AU		-12599 Jun 18 j 15:05	0° \mathfrak{Y}	
	-12600 Jul 14 j 17:36	0° \mathfrak{A}		max. Earth dist.	-12599 Jun 20 j 13:36	3° \mathfrak{Y} 08'52	1.43377 AU
desc. node	-12600 Jul 19 j 15:44	7° \mathfrak{A} 42'56		evening rise	-12599 Jun 30 j 08:47	18° \mathfrak{Y} 40'50	
evening rise	-12600 Jul 21 j 07:20	10° \mathfrak{A} 17'42		desc. node	-12599 Jul 06 j 13:15	28° \mathfrak{Y} 12'49	
greatest brilliancy	-12600 Aug 01 j 13:34	27° \mathfrak{A} 43'32	-0.7m		-12599 Jul 07 j 17:24	0° \mathfrak{A}	
	-12600 Aug 03 j 01:38	0° \mathfrak{II}		evening max el	-12599 Jul 28 j 23:26	29° \mathfrak{A} 15'49	20°41'20
evening max el	-12600 Aug 14 j 21:12	15° \mathfrak{II} 48'25	19°39'14		-12599 Jul 29 j 17:15	0° \mathfrak{II}	
retrograde	-12600 Aug 22 j 04:29	20° \mathfrak{II} 00'17		retrograde	-12599 Aug 06 j 01:08	3° \mathfrak{II} 59'00	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12599 Aug 09 j 22:33	2° Π 32'27		desc. node	-12598 Jun 23 j 10:50	18° Υ 31'16	
	-12599 Aug 12 j 13:30	30° κ 8			-12598 Jul 01 j 11:52	0° δ	
inferior conj	-12599 Aug 15 j 07:39	26° δ 27'17	0°00'30	evening max el	-12598 Jul 11 j 18:32	12° δ 38'20	21°55'22
minimum elong	-12599 Aug 15 j 07:38	26° δ 27'23	0°01'09	retrograde	-12598 Jul 20 j 20:42	18° δ 01'10	
transit middle	-12599 Aug 15 j 07:38	26° δ 27'23	0°01'09	evening set	-12598 Jul 25 j 07:09	16° δ 13'48	
transit begin	-12599 Aug 15 j 04:54	26° δ 36'36		inferior conj	-12598 Jul 30 j 13:07	10° δ 02'34	-0°48'06
transit end	-12599 Aug 15 j 10:21	26° δ 18'09		minimum elong	-12598 Jul 30 j 14:05	9° δ 59'13	0°47'14
asc. node	-12599 Aug 15 j 07:01	26° δ 29'27		min. Earth dist.	-12598 Jul 30 j 18:38	9° δ 43'30	0.67159 AU
min. Earth dist.	-12599 Aug 15 j 23:47	25° δ 32'44	0.66788 AU	asc. node	-12598 Aug 02 j 03:50	6° δ 33'31	
morning rise	-12599 Aug 20 j 16:32	20° δ 05'58		morning rise	-12598 Aug 04 j 20:56	3° δ 42'37	
direct	-12599 Aug 26 j 00:13	17° δ 51'01		direct	-12598 Aug 09 j 14:46	1° δ 45'34	
morning max el	-12599 Sep 06 j 04:48	24° δ 32'35	24°22'04	morning max el	-12598 Aug 19 j 16:08	7° δ 48'51	22°58'22
	-12599 Sep 11 j 02:33	0° Π			-12598 Sep 05 j 20:00	0° Π	
desc. node	-12599 Oct 02 j 10:58	0° δ 10'39		desc. node	-12598 Sep 19 j 07:57	20° Π 36'46	
	-12599 Oct 02 j 08:16	0° δ		morning set	-12598 Sep 22 j 15:05	25° Π 57'34	
morning set	-12599 Oct 11 j 17:56	15° δ 31'07			-12598 Sep 25 j 01:36	0° δ	
max. Earth dist.	-12599 Oct 15 j 19:05	22° δ 38'41	1.38366 AU	max. Earth dist.	-12598 Sep 27 j 18:46	4° δ 35'34	1.40343 AU
	-12599 Oct 19 j 19:28	0° δ					
				superior conj	-12598 Oct 05 j 08:40	17° δ 58'03	-1°24'08
superior conj	-12599 Oct 22 j 16:54	5° δ 28'07	-1°34'57	minimum elong	-12598 Oct 05 j 05:41	17° δ 44'30	1°23'09
minimum elong	-12599 Oct 22 j 15:42	5° δ 22'20	1°34'14		-12598 Oct 11 j 19:58	0° δ	
evening rise	-12599 Oct 31 j 07:44	22° δ 20'45		evening rise	-12598 Oct 15 j 00:05	6° δ 01'14	
	-12599 Nov 04 j 06:23	0° η		asc. node	-12598 Oct 29 j 03:18	29° δ 44'45	
asc. node	-12599 Nov 11 j 06:01	12° η 04'55			-12598 Oct 29 j 08:25	0° η	
evening max el	-12599 Nov 17 j 00:35	19° η 15'57	19°00'25	evening max el	-12598 Oct 31 j 04:18	1° η 58'45	18°24'09
retrograde	-12599 Nov 25 j 14:01	23° η 22'29		retrograde	-12598 Nov 07 j 17:24	5° η 43'31	
evening set	-12599 Nov 28 j 01:54	23° η 03'00		evening set	-12598 Nov 10 j 04:23	5° η 20'50	
inferior conj	-12599 Dec 06 j 01:49	18° η 43'27	4°15'22	inferior conj	-12598 Nov 17 j 15:43	0° η 40'33	4°11'24
minimum elong	-12599 Dec 06 j 02:59	18° η 41'24	4°15'29	minimum elong	-12598 Nov 17 j 13:37	0° η 44'52	4°11'38
min. Earth dist.	-12599 Dec 09 j 01:53	16° η 36'28	0.57734 AU		-12598 Nov 18 j 11:26	30° κ 8	
morning rise	-12599 Dec 14 j 02:07	13° η 44'45		min. Earth dist.	-12598 Nov 20 j 20:07	28° δ 05'10	0.59498 AU
direct	-12599 Dec 19 j 15:31	12° η 31'54		morning rise	-12598 Nov 24 j 21:09	25° δ 20'07	
desc. node	-12599 Dec 29 j 12:45	16° η 13'06		direct	-12598 Dec 01 j 09:50	23° δ 29'52	
morning max el	-12598 Jan 02 j 15:40	19° η 40'16	25°25'39		-12598 Dec 14 j 13:29	0° η	
	-12598 Jan 11 j 10:28	0° δ		morning max el	-12598 Dec 15 j 10:29	0° η 49'02	26°39'35
	-12598 Jan 28 j 15:36	0° η		desc. node	-12598 Dec 16 j 09:17	1° η 44'54	
morning set	-12598 Jan 29 j 20:16	2° η 29'21			-12597 Jan 05 j 07:21	0° δ	
				morning set	-12597 Jan 14 j 07:03	17° δ 29'41	
superior conj	-12598 Feb 05 j 19:22	17° η 29'30	-0°12'29		-12597 Jan 20 j 03:00	0° η	
minimum elong	-12598 Feb 05 j 19:54	17° η 32'23	0°12'57				
behind sun begin	-12598 Feb 05 j 17:01	17° η 16'41		superior conj	-12597 Jan 21 j 07:06	2° η 33'28	-0°34'20
behind sun end	-12598 Feb 05 j 22:47	17° η 48'04		minimum elong	-12597 Jan 21 j 08:24	2° η 40'36	0°34'30
max. Earth dist.	-12598 Feb 06 j 17:49	19° η 31'25	1.33010 AU	max. Earth dist.	-12597 Jan 21 j 07:04	2° η 33'20	1.32787 AU
asc. node	-12598 Feb 07 j 03:16	20° η 22'42		asc. node	-12597 Jan 25 j 00:35	10° η 40'11	
	-12598 Feb 11 j 15:36	0° δ		evening rise	-12597 Jan 28 j 09:10	17° η 47'33	
evening rise	-12598 Feb 13 j 01:47	2° δ 56'47			-12597 Feb 03 j 12:38	0° δ	
	-12598 Feb 27 j 22:10	0° δ			-12597 Feb 23 j 10:01	0° δ	
evening max el	-12598 Mar 16 j 11:38	21° δ 27'46	27°11'06	evening max el	-12597 Feb 26 j 12:45	3° δ 13'11	26°22'27
desc. node	-12598 Mar 27 j 13:49	28° δ 35'27		retrograde	-12597 Mar 12 j 15:46	10° δ 34'53	
retrograde	-12598 Mar 30 j 12:20	28° δ 58'24		desc. node	-12597 Mar 14 j 10:51	10° δ 26'40	
evening set	-12598 Apr 06 j 03:33	26° δ 54'54		evening set	-12597 Mar 18 j 14:29	9° δ 05'17	
min. Earth dist.	-12598 Apr 10 j 00:18	24° δ 00'29	0.61133 AU	min. Earth dist.	-12597 Mar 23 j 02:08	6° δ 13'50	0.59149 AU
inferior conj	-12598 Apr 13 j 05:17	21° δ 07'00	-3°11'01	inferior conj	-12597 Mar 26 j 09:52	3° δ 37'45	-2°36'19
minimum elong	-12598 Apr 13 j 03:30	21° δ 11'02	3°11'36	minimum elong	-12597 Mar 26 j 06:40	3° δ 44'05	2°36'29
morning rise	-12598 Apr 20 j 05:27	16° δ 12'40			-12597 Mar 31 j 17:09	30° κ 8	
direct	-12598 Apr 22 j 18:56	15° δ 44'48		morning rise	-12597 Apr 03 j 01:49	29° δ 03'23	
morning max el	-12598 Apr 29 j 15:56	19° δ 10'06	18°05'48	direct	-12597 Apr 05 j 10:39	28° δ 43'17	
asc. node	-12598 May 06 j 02:31	27° δ 33'30			-12597 Apr 09 j 22:36	0° δ	
	-12598 May 07 j 14:49	0° \approx		morning max el	-12597 Apr 13 j 02:17	2° δ 24'53	18°26'21
morning set	-12598 May 15 j 22:21	14° \approx 45'04		asc. node	-12597 Apr 22 j 23:22	16° δ 26'31	
	-12598 May 24 j 08:45	0° δ		morning set	-12597 Apr 29 j 05:25	28° δ 01'29	
					-12597 Apr 30 j 06:18	0° \approx	
superior conj	-12598 May 26 j 15:52	4° δ 02'20	1°48'58				
minimum elong	-12598 May 26 j 15:52	4° δ 02'17	1°48'37	superior conj	-12597 May 08 j 17:35	15° \approx 55'51	1°43'16
max. Earth dist.	-12598 Jun 02 j 21:43	16° δ 22'36	1.41910 AU	minimum elong	-12597 May 08 j 15:16	15° \approx 45'16	1°42'35
evening rise	-12598 Jun 09 j 13:54	27° δ 14'30		max. Earth dist.	-12597 May 15 j 23:45	28° \approx 52'06	1.40120 AU
	-12598 Jun 11 j 07:37	0° Υ			-12597 May 16 j 15:30	0° δ	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12597 May 20 j 17:32	6° H 54'27				-12596 May 08 j 04:08	0° H		
	-12597 Jun 04 j 10:25	0° Y		desc. node		-12596 May 27 j 05:55	28° H 08'56		
desc. node	-12597 Jun 10 j 08:24	8° Y 32'23				-12596 May 28 j 16:20	0° Y		
evening max el	-12597 Jun 24 j 07:34	25° Y 57'16	23°16'47	evening max el		-12596 Jun 05 j 17:36	9° Y 17'06	24°38'37	
	-12597 Jun 29 j 00:39	0° B		retrograde		-12596 Jun 17 j 03:15	16° Y 01'27		
retrograde	-12597 Jul 04 j 13:47	2° B 03'09		evening set		-12596 Jun 22 j 18:36	13° Y 33'51		
	-12597 Jul 09 j 11:58	30° R Y		min. Earth dist.		-12596 Jun 27 j 08:16	8° Y 14'03	0.66977 AU	
evening set	-12597 Jul 09 j 14:29	29° Y 54'37		inferior conj		-12596 Jun 28 j 00:57	7° Y 17'50	-2°11'52	
inferior conj	-12597 Jul 14 j 19:28	23° Y 39'49	-1°32'38	minimum elong		-12596 Jun 28 j 03:06	7° Y 10'34	2°11'09	
minimum elong	-12597 Jul 14 j 21:11	23° Y 33'53	1°31'45	morning rise		-12596 Jul 03 j 11:33	1° Y 11'19		
min. Earth dist.	-12597 Jul 14 j 14:16	23° Y 57'46	0.67227 AU	asc. node		-12596 Jul 05 j 21:20	29° H 59'31		
morning rise	-12597 Jul 20 j 03:50	17° Y 24'52				-12596 Jul 05 j 20:35	30° R H		
asc. node	-12597 Jul 20 j 00:35	17° Y 31'24		direct		-12596 Jul 07 j 06:13	29° H 48'53		
direct	-12597 Jul 24 j 09:10	15° Y 45'42				-12596 Jul 08 j 16:45	0° Y		
morning max el	-12597 Aug 02 j 07:19	21° Y 06'39	21°36'48	morning max el		-12596 Jul 15 j 04:22	4° Y 29'12	20°23'43	
	-12597 Aug 09 j 16:26	0° B				-12596 Aug 02 j 16:58	0° B		
	-12597 Aug 30 j 03:15	0° II		morning set		-12596 Aug 11 j 15:04	13° B 43'26		
morning set	-12597 Sep 02 j 10:51	5° II 11'49				-12596 Aug 21 j 22:36	0° II		
desc. node	-12597 Sep 06 j 05:05	11° II 11'43		max. Earth dist.		-12596 Aug 22 j 08:37	0° II 40'12	1.43580 AU	
max. Earth dist.	-12597 Sep 09 j 22:36	17° II 16'17	1.42162 AU	desc. node		-12596 Aug 23 j 02:19	1° II 51'22		
superior conj	-12597 Sep 17 j 02:50	29° II 21'49	-1°01'59	superior conj		-12596 Aug 27 j 18:15	9° II 26'40	-0°27'39	
minimum elong	-12597 Sep 16 j 22:49	29° II 04'28	1°00'46	minimum elong		-12596 Aug 27 j 15:37	9° II 15'48	0°26'35	
	-12597 Sep 17 j 11:41	0° B				-12596 Sep 08 j 22:23	0° B		
evening rise	-12597 Sep 28 j 04:40	19° B 04'42		evening rise		-12596 Sep 09 j 16:43	1° B 19'13		
	-12597 Oct 04 j 06:30	0° Q		evening max el		-12596 Sep 27 j 03:43	28° B 24'24	18°10'56	
evening max el	-12597 Oct 14 j 14:21	15° Q 04'20	18°07'59			-12596 Sep 28 j 22:10	0° Q		
asc. node	-12597 Oct 16 j 00:31	16° Q 21'49		asc. node		-12596 Oct 01 j 21:41	1° Q 39'26		
retrograde	-12597 Oct 21 j 12:19	18° Q 38'23		retrograde		-12596 Oct 03 j 18:49	1° Q 57'29		
evening set	-12597 Oct 24 j 00:23	18° Q 10'40		evening set		-12596 Oct 06 j 10:11	1° Q 22'20		
inferior conj	-12597 Oct 30 j 23:34	13° Q 09'20	3°43'56			-12596 Oct 08 j 16:51	30° R B		
minimum elong	-12597 Oct 30 j 19:53	13° Q 17'55	3°43'51	inferior conj		-12596 Oct 12 j 22:10	26° B 01'41	3°02'30	
min. Earth dist.	-12597 Nov 02 j 21:53	10° Q 25'33	0.61331 AU	minimum elong		-12596 Oct 12 j 18:24	26° B 11'35	3°02'13	
morning rise	-12597 Nov 06 j 14:05	7° Q 30'25		min. Earth dist.		-12596 Oct 15 j 09:06	23° B 27'02	0.63026 AU	
direct	-12597 Nov 13 j 14:05	5° Q 09'29		morning rise		-12596 Oct 19 j 01:40	20° B 07'10		
morning max el	-12597 Nov 27 j 11:38	12° Q 35'55	27°23'31	direct		-12596 Oct 26 j 02:13	17° B 28'37		
desc. node	-12597 Dec 03 j 05:50	18° Q 52'21		morning max el		-12596 Nov 08 j 18:08	24° B 59'25	27°33'00	
	-12597 Dec 11 j 10:58	0° P				-12596 Nov 13 j 10:32	0° Q		
	-12597 Dec 28 j 11:13	0° Q		desc. node		-12596 Nov 19 j 02:26	7° Q 07'39		
morning set	-12597 Dec 29 j 14:19	2° Q 18'13				-12596 Dec 03 j 18:32	0° P		
max. Earth dist.	-12596 Jan 04 j 19:28	15° Q 29'58	1.32900 AU	morning set		-12596 Dec 12 j 15:39	16° P 45'34		
				max. Earth dist.		-12596 Dec 18 j 03:23	28° P 08'04	1.33381 AU	
						-12596 Dec 19 j 00:22	0° Q		
superior conj	-12596 Jan 05 j 18:46	17° Q 36'37	-0°54'12	superior conj		-12596 Dec 20 j 04:35	2° Q 31'19	-1°11'25	
minimum elong	-12596 Jan 05 j 20:35	17° Q 46'34	0°54'09	minimum elong		-12596 Dec 20 j 06:35	2° Q 42'07	1°11'11	
asc. node	-12596 Jan 11 j 21:57	0° M 52'30		evening rise		-12596 Dec 27 j 06:37	17° Q 43'07		
	-12596 Jan 11 j 12:04	0° M		asc. node		-12596 Dec 28 j 19:20	20° Q 53'57		
evening rise	-12596 Jan 12 j 19:23	2° M 45'32				-12595 Jan 02 j 09:54	0° M		
	-12596 Jan 27 j 17:32	0° J		evening max el		-12595 Jan 20 j 02:08	25° M 19'19	23°36'04	
evening max el	-12596 Feb 08 j 08:45	14° J 25'53	25°07'12			-12595 Jan 26 j 10:18	0° J		
retrograde	-12596 Feb 22 j 08:35	21° J 29'49		retrograde		-12595 Feb 02 j 12:29	1° J 52'55		
evening set	-12596 Feb 27 j 07:12	20° J 33'10		evening set		-12595 Feb 06 j 10:11	1° J 19'29		
desc. node	-12596 Feb 29 j 07:45	19° J 39'36				-12595 Feb 09 j 20:51	30° R M		
min. Earth dist.	-12596 Mar 03 j 22:29	17° J 31'21	0.57347 AU	min. Earth dist.		-12595 Feb 13 j 15:11	27° M 56'16	0.56038 AU	
inferior conj	-12596 Mar 06 j 19:31	15° J 34'05	-1°33'33	inferior conj		-12595 Feb 15 j 09:48	26° M 51'58	-0°03'19	
minimum elong	-12596 Mar 06 j 16:29	15° J 39'17	1°33'28	minimum elong		-12595 Feb 15 j 09:38	26° M 52'13	0°03'55	
morning rise	-12596 Mar 15 j 05:02	11° J 17'26		transit middle		-12595 Feb 15 j 09:38	26° M 52'13	0°03'55	
direct	-12596 Mar 17 j 09:40	11° J 03'02		transit begin		-12595 Feb 15 j 05:45	26° M 58'06		
morning max el	-12596 Mar 26 j 06:33	15° J 15'48	19°06'23	transit end		-12595 Feb 15 j 13:32	26° M 46'21		
	-12596 Apr 05 j 16:52	0° B		desc. node		-12595 Feb 15 j 04:34	26° M 59'54		
asc. node	-12596 Apr 08 j 20:20	5° B 49'21		morning rise		-12595 Feb 24 j 11:20	22° M 46'49		
morning set	-12596 Apr 12 j 00:03	11° B 56'57		direct		-12595 Feb 26 j 15:14	22° M 34'54		
superior conj	-12596 Apr 20 j 14:26	28° B 49'30	1°29'07	morning max el		-12595 Mar 09 j 01:36	27° M 32'00	20°06'15	
minimum elong	-12596 Apr 20 j 11:22	28° B 34'45	1°28'07			-12595 Mar 11 j 09:58	0° J		
	-12596 Apr 21 j 05:08	0° M		asc. node		-12595 Mar 26 j 17:22	25° J 33'58		
max. Earth dist.	-12596 Apr 26 j 23:37	10° M 46'00	1.38259 AU	morning set		-12595 Mar 27 j 02:49	26° J 21'33		
evening rise	-12596 May 01 j 00:50	17° M 58'37							

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12595 Mar 28 j 21:51	0° Z		superior conj	-12594 Mar 18 j 22:19	26° Z 41'46	0°47'36
				minimum elong	-12594 Mar 18 j 20:18	26° Z 31'20	0°46'29
superior conj	-12595 Apr 04 j 01:22	12° Z 28'44	1°09'47		-12594 Mar 20 j 12:50	0° Z	
minimum elong	-12595 Apr 03 j 22:33	12° Z 14'41	1°08'37	max. Earth dist.	-12594 Mar 22 j 16:35	4° Z 22'18	1.35105 AU
max. Earth dist.	-12595 Apr 09 j 03:43	22° Z 28'16	1.36539 AU	evening rise	-12594 Mar 27 j 08:35	13° Z 30'15	
evening rise	-12595 Apr 13 j 07:47	0° \approx 16'12			-12594 Apr 05 j 12:46	0° \approx	
	-12595 Apr 13 j 04:15	0° \approx			-12594 Apr 26 j 03:18	0° H	
	-12595 May 01 j 08:09	0° H		desc. node	-12594 May 01 j 00:49	5° H 24'29	
desc. node	-12595 May 14 j 03:23	17° H 11'04		evening max el	-12594 May 01 j 14:02	5° H 57'27	26°49'29
evening max el	-12595 May 19 j 03:27	22° H 39'04	25°52'25	retrograde	-12594 May 14 j 16:29	13° H 26'38	
retrograde	-12595 May 31 j 12:21	29° H 51'34		evening set	-12594 May 21 j 08:34	10° H 39'53	
evening set	-12595 Jun 06 j 17:27	27° H 10'03		min. Earth dist.	-12594 May 25 j 06:00	6° H 38'14	0.65375 AU
min. Earth dist.	-12595 Jun 10 j 22:15	22° H 29'33	0.66370 AU	inferior conj	-12594 May 27 j 01:34	4° H 27'44	-3°08'24
inferior conj	-12595 Jun 12 j 03:42	20° H 54'55	-2°44'22	minimum elong	-12594 May 27 j 03:20	4° H 22'27	3°08'31
minimum elong	-12595 Jun 12 j 05:54	20° H 47'52	2°44'01		-12594 May 31 j 05:42	30° R \approx	
morning rise	-12595 Jun 17 j 18:23	15° H 00'04		morning rise	-12594 Jun 01 j 22:23	28° \approx 47'14	
direct	-12595 Jun 21 j 04:13	13° H 52'40		direct	-12594 Jun 05 j 01:02	27° \approx 53'05	
asc. node	-12595 Jun 22 j 18:06	14° H 06'26		asc. node	-12594 Jun 09 j 14:52	29° \approx 42'19	
morning max el	-12595 Jun 28 j 07:58	17° H 58'53	19°23'36		-12594 Jun 09 j 23:54	0° H	
	-12595 Jul 07 j 11:53	0° Y		morning max el	-12594 Jun 11 j 17:05	1° H 34'16	18°39'05
morning set	-12595 Jul 21 j 23:08	22° Y 27'14			-12594 Jun 30 j 20:10	0° Y	
	-12595 Jul 26 j 18:09	0° B		morning set	-12594 Jul 02 j 03:00	2° Y 05'35	
max. Earth dist.	-12595 Aug 04 j 23:44	14° B 34'54	1.44409 AU				
				superior conj	-12594 Jul 17 j 07:38	26° Y 29'46	0°59'08
superior conj	-12595 Aug 07 j 07:30	18° B 16'29	0°15'48	minimum elong	-12594 Jul 17 j 13:48	26° Y 54'16	0°58'50
minimum elong	-12595 Aug 07 j 09:25	18° B 24'09	0°16'09	max. Earth dist.	-12594 Jul 18 j 16:35	28° Y 40'21	1.44546 AU
behind sun begin	-12595 Aug 07 j 07:41	18° B 17'14			-12594 Jul 19 j 12:42	0° B	
behind sun end	-12595 Aug 07 j 11:09	18° B 31'05		desc. node	-12594 Jul 27 j 21:05	13° B 11'53	
desc. node	-12595 Aug 09 j 23:39	22° B 32'37		evening rise	-12594 Aug 02 j 17:39	22° B 28'07	
	-12595 Aug 14 j 14:48	0° II			-12594 Aug 07 j 11:47	0° II	
evening rise	-12595 Aug 22 j 06:40	12° II 31'24		evening max el	-12594 Aug 25 j 04:16	25° II 22'34	19°10'03
	-12595 Sep 01 j 23:39	0° E		retrograde	-12594 Sep 01 j 03:59	29° II 20'56	
evening max el	-12595 Sep 10 j 17:20	11° E 52'30	18°31'58	evening set	-12594 Sep 04 j 08:37	28° II 22'12	
retrograde	-12595 Sep 17 j 09:11	15° E 33'43		asc. node	-12594 Sep 05 j 15:52	27° II 25'34	
asc. node	-12595 Sep 18 j 18:48	15° E 22'51		inferior conj	-12594 Sep 10 j 02:40	22° II 31'40	1°21'53
evening set	-12595 Sep 20 j 06:03	14° E 48'22		minimum elong	-12594 Sep 10 j 00:47	22° II 37'33	1°21'58
inferior conj	-12595 Sep 26 j 08:13	9° E 11'07	2°13'45	min. Earth dist.	-12594 Sep 11 j 12:27	20° II 45'49	0.65599 AU
minimum elong	-12595 Sep 26 j 05:12	9° E 19'51	2°13'31	morning rise	-12594 Sep 15 j 16:32	16° II 15'44	
min. Earth dist.	-12595 Sep 28 j 06:19	6° E 57'30	0.64462 AU	direct	-12594 Sep 21 j 22:04	13° II 38'33	
morning rise	-12595 Oct 02 j 03:43	3° E 04'06		morning max el	-12594 Oct 04 j 14:18	21° II 00'23	26°18'39
direct	-12595 Oct 08 j 21:04	0° E 21'06			-12594 Oct 12 j 11:52	0° E	
morning max el	-12595 Oct 22 j 03:48	7° E 51'39	27°09'34	desc. node	-12594 Oct 23 j 19:51	15° E 49'00	
desc. node	-12595 Nov 05 j 23:07	26° E 11'25			-12594 Nov 01 j 15:57	0° O	
	-12595 Nov 08 j 12:55	0° O		morning set	-12594 Nov 09 j 12:10	13° O 57'13	
	-12595 Nov 25 j 23:26	0° M		max. Earth dist.	-12594 Nov 13 j 16:57	21° O 58'53	1.35564 AU
morning set	-12595 Nov 26 j 08:12	0° M 42'27			-12594 Nov 17 j 17:20	0° M	
max. Earth dist.	-12595 Dec 01 j 03:22	10° M 18'30	1.34264 AU				
				superior conj	-12594 Nov 18 j 10:32	1° M 27'38	-1°34'02
superior conj	-12595 Dec 04 j 10:38	17° M 10'59	-1°25'03	minimum elong	-12594 Nov 18 j 11:34	1° M 32'55	1°33'36
minimum elong	-12595 Dec 04 j 12:24	17° M 20'19	1°24'44	evening rise	-12594 Nov 26 j 01:37	17° M 14'07	
	-12595 Dec 10 j 11:46	0° A		asc. node	-12594 Dec 02 j 14:08	0° A 01'25	
evening rise	-12595 Dec 11 j 17:17	2° A 34'42			-12594 Dec 02 j 13:49	0° A	
asc. node	-12595 Dec 15 j 16:44	10° A 39'08		evening max el	-12594 Dec 15 j 00:30	17° A 35'58	20°38'14
	-12595 Dec 27 j 08:16	0° M		retrograde	-12594 Dec 25 j 21:01	22° A 41'46	
evening max el	-12594 Jan 01 j 21:39	6° M 15'42	22°02'27	evening set	-12594 Dec 28 j 14:09	22° A 23'56	
retrograde	-12594 Jan 14 j 05:41	12° M 07'38		inferior conj	-12593 Jan 06 j 08:31	18° A 24'22	3°09'04
evening set	-12594 Jan 17 j 08:54	11° M 45'52		minimum elong	-12593 Jan 06 j 14:17	18° A 15'51	3°07'32
inferior conj	-12594 Jan 26 j 10:10	7° M 40'42	1°39'53	min. Earth dist.	-12593 Jan 07 j 19:03	17° A 33'25	0.55773 AU
minimum elong	-12594 Jan 26 j 14:15	7° M 34'53	1°38'10	morning rise	-12593 Jan 15 j 13:01	14° A 02'28	
min. Earth dist.	-12594 Jan 26 j 05:38	7° M 47'11	0.55479 AU	direct	-12593 Jan 19 j 00:09	13° A 36'05	
desc. node	-12594 Feb 02 j 01:20	4° M 21'37		desc. node	-12593 Jan 19 j 22:01	13° A 37'57	
morning rise	-12594 Feb 04 j 19:57	3° M 34'51		morning max el	-12593 Feb 01 j 06:51	20° A 07'48	22°57'13
direct	-12594 Feb 07 j 08:26	3° M 20'24			-12593 Feb 09 j 11:31	0° M	
morning max el	-12594 Feb 19 j 09:28	9° M 07'46	21°24'44	morning set	-12593 Feb 23 j 22:13	26° M 05'25	
	-12594 Mar 05 j 20:15	0° J			-12593 Feb 25 j 18:48	0° J	
morning set	-12594 Mar 11 j 10:56	11° J 06'45		asc. node	-12593 Feb 28 j 11:36	5° J 45'19	
asc. node	-12594 Mar 13 j 14:27	15° J 34'13					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12593 Mar 03 j 02:15	11°♌19'20	0°24'12	superior conj	-12592 Feb 15 j 10:42	26°♍12'25	0°00'45
minimum elong	-12593 Mar 03 j 01:15	11°♌13'57	0°23'17	minimum elong	-12592 Feb 15 j 10:42	26°♍12'26	0°00'05
max. Earth dist.	-12593 Mar 05 j 15:24	16°♌41'25	1.34016 AU	behind sun begin	-12592 Feb 15 j 05:40	25°♍45'10	
evening rise	-12593 Mar 10 j 22:17	27°♌26'11		behind sun end	-12592 Feb 15 j 15:45	26°♍39'40	
	-12593 Mar 12 j 05:46	0°♌		asc. node	-12592 Feb 15 j 08:49	26°♍02'10	
	-12593 Mar 29 j 19:15	0°♌		max. Earth dist.	-12592 Feb 16 j 22:23	29°♍24'38	1.33278 AU
evening max el	-12593 Apr 14 j 00:38	19°♌03'18	27°22'08		-12592 Feb 17 j 04:58	0°♌	
desc. node	-12593 Apr 17 j 22:10	22°♌29'26		evening rise	-12592 Feb 22 j 21:01	11°♌50'56	
retrograde	-12593 Apr 27 j 15:17	26°♌39'02			-12592 Mar 03 j 11:53	0°♌	
evening set	-12593 May 04 j 13:06	23°♌59'00			-12592 Mar 24 j 15:43	0°♌	
min. Earth dist.	-12593 May 08 j 05:50	20°♌31'27	0.63982 AU	evening max el	-12592 Mar 26 j 09:18	1°♌44'50	27°24'37
inferior conj	-12593 May 10 j 16:05	17°♌52'29	-3°21'34	desc. node	-12592 Apr 03 j 19:24	7°♌58'01	
minimum elong	-12593 May 10 j 16:50	17°♌50'24	3°22'05	retrograde	-12592 Apr 09 j 07:40	9°♌19'10	
morning rise	-12593 May 16 j 21:22	12°♌28'33		evening set	-12592 Apr 16 j 03:45	6°♌59'13	
direct	-12593 May 19 j 18:12	11°♌45'52		min. Earth dist.	-12592 Apr 19 j 20:52	3°♌56'09	0.62242 AU
morning max el	-12593 May 26 j 05:50	15°♌12'17	18°11'46	inferior conj	-12592 Apr 22 j 20:12	1°♌02'32	-3°20'17
asc. node	-12593 May 27 j 11:37	16°♌31'55		minimum elong	-12592 Apr 22 j 19:26	1°♌04'25	3°20'56
	-12593 Jun 05 j 17:03	0°♌			-12592 Apr 23 j 22:05	30°♌	
morning set	-12593 Jun 13 j 08:07	12°♌54'03		morning rise	-12592 Apr 29 j 12:38	25°♌56'50	
	-12593 Jun 23 j 12:47	0°♌		direct	-12592 May 02 j 04:34	25°♌24'02	
				morning max el	-12592 May 08 j 19:43	28°♌46'35	18°02'32
superior conj	-12593 Jun 26 j 17:04	5°♌11'53	1°31'09		-12592 May 09 j 23:43	0°♌	
minimum elong	-12593 Jun 26 j 22:45	5°♌34'58	1°30'49	asc. node	-12592 May 13 j 08:22	4°♌19'05	
max. Earth dist.	-12593 Jul 01 j 07:42	12°♌37'35	1.43986 AU	morning set	-12592 May 25 j 12:18	24°♌48'18	
	-12593 Jul 12 j 08:19	0°♌			-12592 May 28 j 10:23	0°♌	
evening rise	-12593 Jul 13 j 03:28	1°♌14'31		superior conj	-12592 Jun 06 j 02:43	15°♌04'58	1°46'51
desc. node	-12593 Jul 14 j 18:35	3°♌46'15		minimum elong	-12592 Jun 06 j 04:44	15°♌13'34	1°46'35
	-12593 Aug 01 j 06:19	0°♌		max. Earth dist.	-12592 Jun 12 j 18:24	26°♌09'31	1.42810 AU
evening max el	-12593 Aug 08 j 10:08	8°♌51'26	20°03'56		-12592 Jun 15 j 03:12	0°♌	
retrograde	-12593 Aug 16 j 00:38	13°♌15'59		evening rise	-12592 Jun 21 j 03:29	9°♌33'27	
evening set	-12593 Aug 19 j 15:14	12°♌00'37		desc. node	-12592 Jun 30 j 16:08	24°♌11'50	
asc. node	-12593 Aug 23 j 12:49	8°♌04'02			-12592 Jul 04 j 13:31	0°♌	
inferior conj	-12593 Aug 25 j 03:03	5°♌59'56	0°29'47	evening max el	-12592 Jul 21 j 09:20	22°♌16'57	21°11'38
minimum elong	-12593 Aug 25 j 02:22	6°♌02'12	0°30'14	retrograde	-12592 Jul 29 j 21:00	27°♌16'23	
min. Earth dist.	-12593 Aug 26 j 01:27	4°♌45'44	0.66438 AU	evening set	-12592 Aug 02 j 23:41	25°♌41'24	
	-12593 Aug 30 j 03:55	30°♌		inferior conj	-12592 Aug 08 j 07:13	19°♌33'29	-0°20'32
morning rise	-12593 Aug 30 j 13:13	29°♌39'12		minimum elong	-12592 Aug 08 j 07:38	19°♌32'03	0°19'47
direct	-12593 Sep 05 j 05:01	27°♌14'46		min. Earth dist.	-12592 Aug 08 j 18:54	18°♌53'29	0.66982 AU
	-12593 Sep 12 j 03:22	0°♌		asc. node	-12592 Aug 09 j 09:41	18°♌03'14	
morning max el	-12593 Sep 17 j 00:18	4°♌15'21	25°08'00	morning rise	-12592 Aug 13 j 15:25	13°♌12'06	
	-12593 Oct 06 j 21:00	0°♌		direct	-12592 Aug 18 j 17:09	11°♌04'21	
desc. node	-12593 Oct 10 j 16:39	5°♌50'42		morning max el	-12592 Aug 29 j 10:21	17°♌30'53	23°46'35
morning set	-12593 Oct 22 j 22:47	26°♌16'28			-12592 Sep 08 j 19:12	0°♌	
	-12593 Oct 25 j 00:32	0°♌		desc. node	-12592 Sep 26 j 13:33	26°♌09'43	
max. Earth dist.	-12593 Oct 26 j 20:28	3°♌21'31	1.37255 AU		-12592 Sep 28 j 22:52	0°♌	
superior conj	-12593 Nov 02 j 01:16	15°♌12'11	-1°36'51	morning set	-12592 Oct 03 j 10:49	7°♌26'52	
minimum elong	-12593 Nov 02 j 01:01	15°♌10'57	1°36'16	max. Earth dist.	-12592 Oct 07 j 19:15	14°♌56'34	1.39202 AU
	-12593 Nov 09 j 10:38	0°♌		superior conj	-12592 Oct 15 j 02:54	28°♌13'52	-1°31'38
evening rise	-12593 Nov 10 j 05:39	1°♌35'34		minimum elong	-12592 Oct 15 j 00:55	28°♌04'37	1°30'49
asc. node	-12593 Nov 19 j 11:31	18°♌52'27			-12592 Oct 16 j 01:28	0°♌	
evening max el	-12593 Nov 27 j 13:30	29°♌30'02	19°30'36	evening rise	-12592 Oct 24 j 03:07	15°♌33'14	
	-12593 Nov 28 j 02:31	0°♌			-12592 Oct 31 j 21:06	0°♌	
retrograde	-12593 Dec 06 j 21:20	3°♌54'42		asc. node	-12592 Nov 05 j 08:51	7°♌02'09	
evening set	-12593 Dec 09 j 10:17	3°♌36'34		evening max el	-12592 Nov 09 j 12:29	11°♌57'21	18°42'37
	-12593 Dec 16 j 21:34	30°♌		retrograde	-12592 Nov 17 j 14:15	15°♌52'43	
inferior conj	-12593 Dec 17 j 17:26	29°♌27'37	4°02'39	evening set	-12592 Nov 20 j 01:39	15°♌32'00	
minimum elong	-12593 Dec 17 j 20:48	29°♌22'04	4°02'17	inferior conj	-12592 Nov 27 j 20:13	11°♌04'15	4°17'17
min. Earth dist.	-12593 Dec 20 j 08:32	27°♌44'36	0.56846 AU	minimum elong	-12592 Nov 27 j 19:49	11°♌05'01	4°17'32
morning rise	-12593 Dec 26 j 05:12	24°♌42'05		min. Earth dist.	-12592 Nov 30 j 23:58	8°♌42'38	0.58456 AU
direct	-12593 Dec 31 j 00:45	23°♌49'20		morning rise	-12592 Dec 05 j 12:07	5°♌56'09	
desc. node	-12592 Jan 06 j 18:37	25°♌33'20		direct	-12592 Dec 11 j 13:06	4°♌26'52	
	-12592 Jan 13 j 00:45	0°♌		desc. node	-12592 Dec 23 j 15:10	9°♌55'22	
morning max el	-12592 Jan 13 j 22:02	0°♌49'28	24°33'47	morning max el	-12592 Dec 25 j 13:43	11°♌40'34	26°00'09
	-12592 Feb 02 j 21:46	0°♌			-12591 Jan 08 j 19:36	0°♌	
morning set	-12592 Feb 08 j 10:42	11°♌09'50		morning set	-12591 Jan 22 j 22:37	26°♌13'27	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12591 Jan 24 j 17:25	0°♌		superior conj	-12590 Jan 14 j 09:37	26°♊17'53	-0°43'02
				minimum elong	-12590 Jan 14 j 11:11	26°♊26'25	0°43'06
superior conj	-12591 Jan 29 j 21:44	11°♌14'13	-0°21'55	max. Earth dist.	-12590 Jan 13 j 23:53	25°♊24'45	1.32796 AU
minimum elong	-12591 Jan 29 j 22:37	11°♌19'03	0°22'16		-12590 Jan 16 j 02:17	0°♌	
max. Earth dist.	-12591 Jan 30 j 10:25	12°♌23'23	1.32875 AU	asc. node	-12590 Jan 19 j 03:26	6°♌36'10	
asc. node	-12591 Feb 01 j 06:05	16°♌20'40		evening rise	-12590 Jan 21 j 10:44	11°♌29'01	
evening rise	-12591 Feb 06 j 01:55	26°♌34'43			-12590 Jan 31 j 00:48	0°♊	
	-12591 Feb 07 j 18:09	0°♊		evening max el	-12590 Feb 18 j 12:50	25°♊23'21	25°53'12
	-12591 Feb 25 j 02:28	0°♊			-12590 Feb 24 j 08:52	0°♊	
evening max el	-12591 Mar 08 j 13:53	13°♊52'48	26°54'13	retrograde	-12590 Mar 04 j 14:59	2°♊37'58	
desc. node	-12591 Mar 21 j 16:30	21°♊17'19		desc. node	-12590 Mar 08 j 13:27	2°♊00'02	
retrograde	-12591 Mar 22 j 16:11	21°♊19'52		evening set	-12590 Mar 10 j 04:16	1°♊23'05	
evening set	-12591 Mar 29 j 01:22	19°♊30'41			-12590 Mar 12 j 19:10	30°♊♊	
min. Earth dist.	-12591 Apr 02 j 03:11	16°♊38'59	0.60291 AU	min. Earth dist.	-12590 Mar 15 j 02:12	28°♊28'55	0.58345 AU
inferior conj	-12591 Apr 05 j 10:27	13°♊50'22	-2°59'30	inferior conj	-12590 Mar 18 j 07:16	26°♊07'16	-2°13'21
minimum elong	-12591 Apr 05 j 07:58	13°♊55'41	2°59'56	minimum elong	-12590 Mar 18 j 03:51	26°♊13'36	2°13'20
morning rise	-12591 Apr 12 j 16:58	9°♊04'10		morning rise	-12590 Mar 26 j 06:33	21°♊40'44	
direct	-12591 Apr 15 j 04:28	8°♊39'46		direct	-12590 Mar 28 j 13:39	21°♊23'13	
morning max el	-12591 Apr 22 j 08:07	12°♊10'29	18°12'04	morning max el	-12590 Apr 05 j 16:12	25°♊15'57	18°41'00
asc. node	-12591 Apr 30 j 05:10	22°♊51'06			-12590 Apr 09 j 17:50	0°♊	
	-12591 May 04 j 07:28	0°♋		asc. node	-12590 Apr 17 j 02:05	11°♊57'52	
morning set	-12591 May 08 j 10:55	7°♋38'12		morning set	-12590 Apr 21 j 23:26	21°♊13'00	
					-12590 Apr 26 j 12:25	0°♋	
superior conj	-12591 May 18 j 14:53	26°♋17'00	1°47'49	superior conj	-12590 May 01 j 01:27	8°♋38'21	1°38'05
minimum elong	-12591 May 18 j 13:41	26°♋11'40	1°47'20	minimum elong	-12590 Apr 30 j 22:40	8°♋25'17	1°37'15
	-12591 May 20 j 17:16	0°♋		max. Earth dist.	-12590 May 08 j 01:03	21°♋20'37	1.39327 AU
max. Earth dist.	-12591 May 25 j 23:52	9°♋05'06	1.41183 AU	evening rise	-12590 May 12 j 08:15	28°♋47'08	
evening rise	-12591 May 31 j 16:41	18°♋30'56			-12590 May 13 j 01:29	0°♋	
	-12591 Jun 07 j 22:54	0°♋			-12590 Jun 01 j 09:47	0°♋	
desc. node	-12591 Jun 17 j 13:43	14°♋23'35		desc. node	-12590 Jun 04 j 11:17	4°♋15'38	
	-12591 Jun 29 j 02:06	0°♋		evening max el	-12590 Jun 16 j 13:11	18°♋57'40	23°51'57
evening max el	-12591 Jul 04 j 01:45	5°♋38'11	22°29'32	retrograde	-12590 Jun 27 j 07:04	25°♋20'18	
retrograde	-12591 Jul 13 j 15:30	11°♋18'43		evening set	-12590 Jul 02 j 14:10	23°♋03'01	
evening set	-12591 Jul 18 j 07:57	9°♋22'23		inferior conj	-12590 Jul 07 j 19:27	16°♋47'34	-1°50'01
inferior conj	-12591 Jul 23 j 13:15	3°♋09'37	-1°07'35	minimum elong	-12590 Jul 07 j 21:24	16°♋40'55	1°49'10
minimum elong	-12591 Jul 23 j 14:35	3°♋05'03	1°06'41	min. Earth dist.	-12590 Jul 07 j 09:26	17°♋21'52	0.67169 AU
min. Earth dist.	-12591 Jul 23 j 14:19	3°♋05'56	0.67231 AU	morning rise	-12590 Jul 13 j 04:36	10°♋36'06	
	-12591 Jul 25 j 21:47	30°♋♋		asc. node	-12590 Jul 14 j 03:14	9°♋57'48	
asc. node	-12591 Jul 27 j 06:29	28°♋23'49		direct	-12590 Jul 17 j 05:11	9°♋04'19	
morning rise	-12591 Jul 28 j 21:07	26°♋51'29		morning max el	-12590 Jul 25 j 16:27	14°♋06'55	21°04'24
direct	-12591 Aug 02 j 09:33	25°♋01'56			-12590 Aug 06 j 23:41	0°♋	
	-12591 Aug 11 j 04:10	0°♋		morning set	-12590 Aug 24 j 07:52	26°♋11'14	
morning max el	-12591 Aug 11 j 22:50	0°♋46'45	22°22'56		-12590 Aug 26 j 18:06	0°♋	
	-12591 Sep 02 j 17:18	0°♋		desc. node	-12590 Aug 31 j 07:47	7°♋17'32	
desc. node	-12591 Sep 13 j 10:36	16°♋40'00		max. Earth dist.	-12590 Sep 02 j 03:34	10°♋14'50	1.42836 AU
morning set	-12591 Sep 13 j 20:36	17°♋20'18					
max. Earth dist.	-12591 Sep 19 j 20:28	27°♋12'06	1.41156 AU	superior conj	-12590 Sep 08 j 17:25	21°♋08'41	-0°48'51
	-12591 Sep 21 j 12:11	0°♋		minimum elong	-12590 Sep 08 j 13:34	20°♋52'29	0°47'37
superior conj	-12591 Sep 27 j 10:12	10°♋17'36	-1°16'13		-12590 Sep 13 j 21:30	0°♋	
minimum elong	-12591 Sep 27 j 06:36	10°♋01'35	1°15'08	evening rise	-12590 Sep 20 j 13:07	11°♋43'24	
evening rise	-12591 Oct 07 j 14:55	28°♋58'55			-12590 Oct 01 j 04:15	0°♋	
	-12591 Oct 08 j 04:01	0°♋		evening max el	-12590 Oct 07 j 07:02	8°♋02'36	18°06'52
asc. node	-12591 Oct 23 j 06:08	24°♋17'03		asc. node	-12590 Oct 10 j 03:21	10°♋22'12	
evening max el	-12591 Oct 23 j 19:16	24°♋50'33	18°14'52	retrograde	-12590 Oct 14 j 01:09	11°♋35'21	
retrograde	-12591 Oct 31 j 00:38	28°♋29'16		evening set	-12590 Oct 16 j 14:20	11°♋04'47	
evening set	-12591 Nov 02 j 11:59	28°♋04'31		inferior conj	-12590 Oct 23 j 08:34	5°♋54'34	3°27'35
inferior conj	-12591 Nov 09 j 18:01	23°♋14'55	4°01'57	minimum elong	-12590 Oct 23 j 04:42	6°♋04'04	3°27'23
minimum elong	-12591 Nov 09 j 15:02	23°♋21'24	4°02'04	min. Earth dist.	-12590 Oct 26 j 02:14	3°♋13'04	0.62081 AU
min. Earth dist.	-12591 Nov 12 j 20:41	20°♋33'52	0.60288 AU	morning rise	-12590 Oct 29 j 17:57	0°♋08'27	
morning rise	-12591 Nov 16 j 16:37	17°♋46'35			-12590 Oct 29 j 22:50	30°♋♋	
direct	-12591 Nov 23 j 11:41	15°♋42'08		direct	-12590 Nov 05 j 19:08	27°♋38'42	
morning max el	-12591 Dec 07 j 11:00	23°♋03'41	27°02'25		-12590 Nov 13 j 04:01	0°♋	
desc. node	-12591 Dec 10 j 11:41	26°♋10'58		morning max el	-12590 Nov 19 j 14:52	5°♋07'10	27°31'50
	-12591 Dec 13 j 18:01	0°♋		desc. node	-12590 Nov 27 j 08:16	13°♋49'45	
	-12590 Jan 01 j 17:54	0°♋			-12590 Dec 08 j 11:12	0°♋	
morning set	-12590 Jan 07 j 08:08	11°♋09'02		morning set	-12590 Dec 22 j 13:10	25°♋49'14	

































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12590 Dec 24 j 13:47	0°♄					-12589 Dec 01 j 04:39	0°♍			
max. Earth dist.	-12590 Dec 28 j 10:57	8°♄15'04	1.33059 AU	morning set			-12589 Dec 06 j 11:13	10°♍05'39			
				max. Earth dist.			-12589 Dec 11 j 15:53	20°♍42'38	1.33700 AU		
superior conj	-12590 Dec 29 j 20:41	11°♄17'32	-1°01'54								
minimum elong	-12590 Dec 29 j 22:38	11°♄28'07	1°01'46	superior conj			-12589 Dec 14 j 05:11	26°♍07'10	-1°17'43		
evening rise	-12589 Jan 05 j 21:34	26°♄27'01		minimum elong			-12589 Dec 14 j 07:09	26°♍17'40	1°17'26		
asc. node	-12589 Jan 06 j 00:50	26°♄44'05					-12589 Dec 16 j 00:40	0°♄			
	-12589 Jan 07 j 14:35	0°♍		evening rise			-12589 Dec 21 j 08:48	11°♄23'02			
	-12589 Jan 25 j 11:52	0°♊		asc. node			-12589 Dec 23 j 22:14	16°♄39'39			
evening max el	-12589 Jan 31 j 06:57	6°♊23'54	24°29'30				-12589 Dec 31 j 01:10	0°♍			
retrograde	-12589 Feb 14 j 02:22	13°♊17'07		evening max el			-12588 Jan 13 j 00:31	17°♍15'57	22°55'47		
evening set	-12589 Feb 18 j 14:14	12°♊31'32		retrograde			-12588 Jan 26 j 01:43	23°♍33'41			
desc. node	-12589 Feb 23 j 10:20	10°♊14'13		evening set			-12588 Jan 29 j 14:09	23°♍06'37			
min. Earth dist.	-12589 Feb 24 j 20:27	9°♊22'12	0.56705 AU	min. Earth dist.			-12588 Feb 06 j 12:19	19°♍30'01	0.55688 AU		
inferior conj	-12589 Feb 27 j 08:19	7°♊46'05	-0°58'05	inferior conj			-12588 Feb 07 j 15:40	18°♍50'02	0°40'21		
minimum elong	-12589 Feb 27 j 06:10	7°♊49'33	0°58'11	minimum elong			-12588 Feb 07 j 17:20	18°♍47'35	0°39'13		
morning rise	-12589 Mar 08 j 01:12	3°♊35'57		desc. node			-12588 Feb 10 j 07:07	17°♍19'38			
direct	-12589 Mar 10 j 04:51	3°♊23'05		morning rise			-12588 Feb 16 j 22:05	14°♍46'25			
morning max el	-12589 Mar 19 j 16:54	7°♊52'56	19°29'39	direct			-12588 Feb 19 j 03:47	14°♍34'21			
	-12589 Apr 03 j 04:29	0°♊		morning max el			-12588 Mar 01 j 07:30	19°♍53'13	20°37'37		
asc. node	-12589 Apr 03 j 23:04	1°♊30'27					-12588 Mar 09 j 07:50	0°♊			
morning set	-12589 Apr 05 j 21:53	5°♊21'46		morning set			-12588 Mar 20 j 03:13	19°♊56'02			
				asc. node			-12588 Mar 20 j 20:08	21°♊22'29			
superior conj	-12589 Apr 14 j 04:53	21°♊53'11	1°21'24				-12588 Mar 25 j 00:31	0°♊			
minimum elong	-12589 Apr 14 j 01:50	21°♊38'16	1°20'19								
	-12589 Apr 18 j 10:07	0°♋		superior conj			-12588 Mar 27 j 20:32	5°♊48'26	1°00'37		
max. Earth dist.	-12589 Apr 20 j 01:50	3°♋05'47	1.37489 AU	minimum elong			-12588 Mar 27 j 18:01	5°♊35'39	0°59'28		
evening rise	-12589 Apr 24 j 02:15	10°♋24'03		max. Earth dist.			-12588 Apr 01 j 08:49	14°♊48'40	1.35881 AU		
	-12589 May 05 j 19:03	0°♋		evening rise			-12588 Apr 05 j 17:30	23°♊08'01			
desc. node	-12589 May 22 j 08:49	23°♋39'13					-12588 Apr 09 j 12:02	0°♋			
	-12589 May 27 j 17:55	0°♌					-12588 Apr 28 j 10:36	0°♋			
evening max el	-12589 May 29 j 22:39	2°♌17'54	25°11'25	desc. node			-12588 May 08 j 06:15	12°♋22'50			
retrograde	-12589 Jun 10 j 18:53	9°♌16'13		evening max el			-12588 May 11 j 08:43	15°♋39'04	26°19'14		
evening set	-12589 Jun 16 j 16:21	6°♌41'33		retrograde			-12588 May 24 j 02:09	23°♋00'51			
min. Earth dist.	-12589 Jun 21 j 01:58	1°♌38'31	0.66766 AU	evening set			-12588 May 30 j 12:15	20°♋15'51			
inferior conj	-12589 Jun 22 j 00:01	0°♌25'29	-2°26'34	min. Earth dist.			-12588 Jun 03 j 13:39	15°♋51'59	0.65992 AU		
minimum elong	-12589 Jun 22 j 02:14	0°♌18'07	2°26'00	inferior conj			-12588 Jun 05 j 00:59	14°♋01'25	-2°55'44		
	-12589 Jun 22 j 07:43	30°♋		minimum elong			-12588 Jun 05 j 03:03	13°♋54'54	2°55'35		
morning rise	-12589 Jun 27 j 12:09	24°♋23'45		morning rise			-12588 Jun 10 j 18:00	8°♋12'12			
asc. node	-12589 Jun 30 j 23:59	23°♋08'14		direct			-12588 Jun 14 j 00:29	7°♋10'47			
direct	-12589 Jul 01 j 02:44	23°♋08'10		asc. node			-12588 Jun 16 j 20:45	7°♋54'35			
morning max el	-12589 Jul 08 j 16:27	27°♋33'08	19°56'22	morning max el			-12588 Jun 20 j 22:35	11°♋05'38	19°02'35		
	-12589 Jul 10 j 21:10	0°♌					-12588 Jul 04 j 10:51	0°♌			
	-12589 Jul 31 j 10:51	0°♍		morning set			-12588 Jul 13 j 02:21	13°♌44'43			
morning set	-12589 Aug 03 j 11:16	4°♍41'32					-12588 Jul 23 j 08:01	0°♍			
max. Earth dist.	-12589 Aug 15 j 15:53	23°♍53'17	1.44014 AU	max. Earth dist.			-12588 Jul 28 j 07:34	7°♍52'57	1.44554 AU		
desc. node	-12589 Aug 18 j 05:06	27°♍58'24									
	-12589 Aug 19 j 11:17	0°♎		superior conj			-12588 Jul 29 j 02:17	9°♍07'03	0°34'56		
superior conj	-12589 Aug 19 j 20:58	0°♎39'07	-0°09'55	minimum elong			-12588 Jul 29 j 06:24	9°♍23'21	0°34'56		
minimum elong	-12589 Aug 19 j 19:58	0°♎35'03	0°09'06	desc. node			-12588 Aug 04 j 02:29	18°♍39'25			
behind sun begin	-12589 Aug 19 j 10:58	29°♍58'43					-12588 Aug 11 j 04:21	0°♎			
behind sun end	-12589 Aug 20 j 04:58	1°♎11'26		evening rise			-12588 Aug 13 j 19:21	4°♎14'26			
evening rise	-12589 Sep 02 j 16:30	23°♎33'25					-12588 Aug 30 j 07:18	0°♏			
	-12589 Sep 06 j 11:43	0°♏		evening max el			-12588 Sep 03 j 09:38	4°♏56'32	18°46'12		
evening max el	-12589 Sep 20 j 20:48	21°♏26'37	18°17'42	retrograde			-12588 Sep 10 j 04:03	8°♏43'53			
retrograde	-12589 Sep 27 j 11:32	25°♏02'27		asc. node			-12588 Sep 12 j 21:35	8°♏01'49			
asc. node	-12589 Sep 27 j 00:29	25°♏01'20		evening set			-12588 Sep 13 j 03:54	7°♏53'23			
evening set	-12589 Sep 30 j 04:51	24°♏23'30		inferior conj			-12588 Sep 19 j 02:25	2°♏10'24	1°51'55		
inferior conj	-12589 Oct 06 j 12:28	18°♏55'26	2°42'26	minimum elong			-12588 Sep 18 j 23:52	2°♏18'05	1°51'48		
minimum elong	-12589 Oct 06 j 08:57	19°♏05'07	2°42'08				-12588 Sep 20 j 21:54	30°♎			
min. Earth dist.	-12589 Oct 08 j 18:01	16°♏28'21	0.63669 AU	min. Earth dist.			-12588 Sep 20 j 19:18	0°♏07'40	0.64985 AU		
morning rise	-12589 Oct 12 j 12:12	12°♏54'53		morning rise			-12588 Sep 24 j 19:16	25°♎59'06			
direct	-12589 Oct 19 j 10:18	10°♏12'50		direct			-12588 Oct 01 j 08:06	23°♎17'08			
	-12589 Nov 01 j 23:13	17°♏45'15	27°26'47				-12588 Oct 13 j 14:26	0°♏			
morning max el	-12589 Nov 12 j 09:44	0°♏		morning max el			-12588 Oct 14 j 09:20	0°♏45'44	26°50'44		
	-12589 Nov 14 j 04:56	2°♏28'01		desc. node			-12588 Oct 31 j 01:36	21°♏47'48			
desc. node							-12588 Nov 05 j 09:30	0°♏			

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12588 Nov 18 j 22:55	23° Ω 46'25			-12587 Oct 09 j 23:41	0° Θ	
	-12588 Nov 22 j 03:34	0° Π		desc. node	-12587 Oct 17 j 22:22	11° Θ 37'15	
max. Earth dist.	-12588 Nov 23 j 11:18	2° Π 38'41	1.34762 AU		-12587 Oct 29 j 02:52	0° Ω	
				morning set	-12587 Nov 01 j 20:06	6° Ω 39'24	
superior conj	-12588 Nov 27 j 08:56	10° Π 38'29	-1°29'32	max. Earth dist.	-12587 Nov 05 j 20:14	14° Ω 09'03	1.36249 AU
minimum elong	-12588 Nov 27 j 10:27	10° Π 46'25	1°29'09				
evening rise	-12588 Dec 04 j 18:39	26° Π 10'11		superior conj	-12587 Nov 11 j 05:22	24° Ω 43'14	-1°36'05
	-12588 Dec 06 j 15:26	0° Ω		minimum elong	-12587 Nov 11 j 05:55	24° Ω 46'01	1°35'36
asc. node	-12588 Dec 09 j 19:38	6° Ω 16'11			-12587 Nov 13 j 19:50	0° Π	
evening max el	-12588 Dec 24 j 22:47	28° Ω 21'22	21°25'01	evening rise	-12587 Nov 19 j 01:24	10° Π 43'03	
	-12588 Dec 26 j 20:34	0° Π		asc. node	-12587 Nov 26 j 17:00	25° Π 26'24	
retrograde	-12587 Jan 05 j 16:28	3° Π 53'05			-12587 Nov 29 j 10:31	0° Ω	
evening set	-12587 Jan 08 j 14:18	3° Π 33'51		evening max el	-12587 Dec 07 j 05:49	9° Ω 55'40	20°07'05
	-12587 Jan 16 j 19:05	30° κ Ω		retrograde	-12587 Dec 17 j 09:53	14° Ω 42'20	
inferior conj	-12587 Jan 17 j 13:32	29° Ω 33'38	2°21'03	evening set	-12587 Dec 20 j 01:03	14° Ω 24'34	
minimum elong	-12587 Jan 17 j 18:51	29° Ω 26'02	2°19'12	inferior conj	-12587 Dec 28 j 14:57	10° Ω 22'34	3°36'47
min. Earth dist.	-12587 Jan 18 j 02:30	29° Ω 15'04	0.55500 AU	minimum elong	-12587 Dec 28 j 20:07	10° Ω 14'40	3°35'43
morning rise	-12587 Jan 26 j 22:46	25° Ω 22'09		min. Earth dist.	-12587 Dec 30 j 15:28	9° Ω 08'29	0.56157 AU
desc. node	-12587 Jan 27 j 03:50	25° Ω 19'36		morning rise	-12586 Jan 06 j 13:22	5° Ω 51'16	
direct	-12587 Jan 29 j 19:14	25° Ω 04'00		direct	-12586 Jan 10 j 14:06	5° Ω 15'20	
	-12587 Feb 10 j 02:37	0° Π		desc. node	-12586 Jan 14 j 00:27	5° Ω 42'11	
morning max el	-12587 Feb 11 j 10:33	1° Π 12'21	22°02'44	morning max el	-12586 Jan 24 j 04:17	12° Ω 00'32	23°38'31
	-12587 Mar 02 j 04:41	0° Σ			-12586 Feb 06 j 16:12	0° Π	
morning set	-12587 Mar 04 j 12:54	4° Σ 47'28		morning set	-12586 Feb 17 j 00:53	19° Π 49'11	
asc. node	-12587 Mar 07 j 17:14	11° Σ 27'44			-12586 Feb 21 j 19:30	0° Σ	
				asc. node	-12586 Feb 22 j 14:23	1° Σ 41'36	
superior conj	-12587 Mar 11 j 20:45	20° Σ 12'33	0°37'45				
minimum elong	-12587 Mar 11 j 19:09	20° Σ 04'09	0°36'41	superior conj	-12586 Feb 24 j 02:49	4° Σ 57'06	0°14'12
max. Earth dist.	-12587 Mar 15 j 01:56	26° Σ 52'17	1.34600 AU	minimum elong	-12586 Feb 24 j 02:14	4° Σ 54'00	0°13'22
	-12587 Mar 16 j 14:57	0° Θ		behind sun begin	-12586 Feb 23 j 23:27	4° Σ 39'08	
evening rise	-12587 Mar 20 j 00:19	6° Θ 41'35		behind sun end	-12586 Feb 24 j 05:01	5° Σ 08'53	
	-12587 Apr 02 j 03:41	0° \approx		max. Earth dist.	-12586 Feb 26 j 04:45	9° Σ 23'06	1.33667 AU
evening max el	-12587 Apr 23 j 19:42	28° \approx 54'08	27°06'54	evening rise	-12586 Mar 03 j 18:15	20° Σ 50'48	
	-12587 Apr 24 j 23:17	0° X			-12586 Mar 08 j 11:56	0° Θ	
desc. node	-12587 Apr 25 j 03:38	0° X 10'01			-12586 Mar 27 j 03:20	0° \approx	
retrograde	-12587 May 07 j 04:06	6° X 26'56		evening max el	-12586 Apr 06 j 05:52	11° \approx 51'06	27°27'11
evening set	-12587 May 13 j 23:14	3° X 41'49		desc. node	-12586 Apr 12 j 00:55	16° \approx 37'37	
	-12587 May 17 j 16:40	30° κ \approx		retrograde	-12586 Apr 19 j 23:58	19° \approx 26'09	
min. Earth dist.	-12587 May 17 j 18:22	29° \approx 55'12	0.64824 AU	evening set	-12586 Apr 26 j 22:11	16° \approx 53'15	
inferior conj	-12587 May 19 j 20:04	27° \approx 31'39	-3°15'33	min. Earth dist.	-12586 Apr 30 j 14:24	13° \approx 37'36	0.63278 AU
minimum elong	-12587 May 19 j 21:28	27° \approx 27'35	3°15'51	inferior conj	-12586 May 03 j 06:31	10° \approx 50'38	-3°23'07
morning rise	-12587 May 25 j 20:08	21° \approx 57'38		minimum elong	-12586 May 03 j 06:40	10° \approx 50'12	3°23'43
direct	-12587 May 28 j 20:11	21° \approx 08'28		morning rise	-12586 May 09 j 16:10	5° \approx 34'11	
asc. node	-12587 Jun 03 j 17:30	24° \approx 03'39		direct	-12586 May 12 j 10:57	4° \approx 55'43	
morning max el	-12587 Jun 04 j 09:25	24° \approx 42'16	18°25'17	morning max el	-12586 May 18 j 22:52	8° \approx 18'49	18°05'38
	-12587 Jun 08 j 17:52	0° X		asc. node	-12586 May 21 j 14:13	11° \approx 19'04	
morning set	-12587 Jun 23 j 16:58	23° X 53'09			-12586 Jun 02 j 08:47	0° X	
	-12587 Jun 27 j 09:47	0° Υ		morning set	-12586 Jun 05 j 08:22	5° X 10'36	
superior conj	-12587 Jul 08 j 03:47	17° Υ 25'34	1°14'35	superior conj	-12586 Jun 17 j 22:22	26° X 34'05	1°39'51
minimum elong	-12587 Jul 08 j 10:23	17° Υ 51'57	1°14'12	minimum elong	-12586 Jun 18 j 02:38	26° X 51'43	1°39'34
max. Earth dist.	-12587 Jul 11 j 00:04	21° Υ 57'33	1.44391 AU		-12586 Jun 20 j 00:26	0° Υ	
	-12587 Jul 16 j 02:04	0° X		max. Earth dist.	-12586 Jun 23 j 14:11	5° Υ 48'06	1.43552 AU
desc. node	-12587 Jul 21 j 23:56	9° X 17'34		evening rise	-12586 Jul 03 j 21:43	22° Υ 06'43	
evening rise	-12587 Jul 24 j 18:46	13° X 39'27		desc. node	-12586 Jul 08 j 21:29	29° Υ 48'52	
greatest brilliancy	-12587 Aug 04 j 03:54	29° X 48'27	-0.7m		-12586 Jul 09 j 00:23	0° X	
	-12587 Aug 04 j 06:55	0° Π			-12586 Jul 30 j 03:22	0° Π	
evening max el	-12587 Aug 17 j 18:49	18° Π 27'43	19°31'10	evening max el	-12586 Jul 31 j 21:59	1° Π 55'29	20°31'11
retrograde	-12587 Aug 24 j 23:50	22° Π 35'38		retrograde	-12586 Aug 08 j 20:33	6° Π 33'35	
evening set	-12587 Aug 28 j 08:31	21° Π 30'09		evening set	-12586 Aug 12 j 16:10	5° Π 09'57	
asc. node	-12587 Aug 30 j 18:35	19° Π 25'53			-12586 Aug 17 j 09:43	30° κ X	
inferior conj	-12587 Sep 02 j 23:41	15° Π 35'07	0°59'41	asc. node	-12586 Aug 17 j 15:30	29° X 40'42	
minimum elong	-12587 Sep 02 j 22:19	15° Π 39'31	0°59'55	inferior conj	-12586 Aug 18 j 01:53	29° X 05'46	0°08'06
min. Earth dist.	-12587 Sep 04 j 04:32	14° Π 02'26	0.65999 AU	minimum elong	-12586 Aug 18 j 01:42	29° X 06'25	0°08'43
morning rise	-12587 Sep 08 j 11:48	9° Π 16'56		transit middle	-12586 Aug 18 j 01:42	29° X 06'25	0°08'43
direct	-12587 Sep 14 j 11:47	6° Π 44'24		transit begin	-12586 Aug 17 j 23:23	29° X 14'14	
morning max el	-12587 Sep 26 j 19:29	13° Π 58'02	25°50'27	transit end	-12586 Aug 18 j 04:01	28° X 58'36	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12586 Aug 18 j 19:35	28°  06'11	0.66707 AU	minimum elong	-12585 Aug 02 j 07:55	12°  37'44	0°40'09
morning rise	-12586 Aug 23 j 11:03	22°  44'29		min. Earth dist.	-12585 Aug 02 j 14:12	12°  16'04	0.67121 AU
direct	-12586 Aug 28 j 20:47	20°  27'07		asc. node	-12585 Aug 04 j 12:20	9°  41'20	
morning max el	-12586 Sep 09 j 05:22	27°  13'54	24°34'13	morning rise	-12585 Aug 07 j 14:57	6°  20'05	
	-12586 Sep 11 j 19:42	0°  II		direct	-12585 Aug 12 j 10:44	4°  20'16	
	-12586 Oct 03 j 15:50	0°  ☿		morning max el	-12585 Aug 22 j 16:19	10°  30'01	23°10'50
desc. node	-12586 Oct 04 j 19:13	1°  ☿47'19			-12585 Sep 07 j 00:27	0°  II	
morning set	-12586 Oct 14 j 21:43	18°  ☿30'44		desc. node	-12585 Sep 21 j 16:12	22°  II11'53	
max. Earth dist.	-12586 Oct 18 j 21:22	25°  ☿35'06	1.38074 AU	morning set	-12585 Sep 25 j 22:49	29°  II08'56	
	-12586 Oct 21 j 07:13	0°  ♁			-12585 Sep 26 j 11:09	0°  ☿	
				max. Earth dist.	-12585 Sep 30 j 20:31	7°  ☿25'18	1.40047 AU
superior conj	-12586 Oct 25 j 15:03	8°  ♁11'05	-1°35'44	superior conj	-12585 Oct 08 j 09:34	20°  ☿49'47	-1°26'28
minimum elong	-12586 Oct 25 j 14:07	8°  ♁06'31	1°35'05	minimum elong	-12585 Oct 08 j 06:50	20°  ☿37'15	1°25'32
evening rise	-12586 Nov 03 j 02:58	24°  ♁55'30			-12585 Oct 13 j 07:31	0°  ♁	
	-12586 Nov 05 j 17:01	0°  ♐		evening rise	-12585 Oct 17 j 20:46	8°  ♁40'53	
asc. node	-12586 Nov 13 j 14:22	14°  ♐01'21			-12585 Oct 30 j 02:31	0°  ♐	
evening max el	-12586 Nov 19 j 23:07	22°  ♐03'58	19°07'34	asc. node	-12585 Oct 31 j 11:42	1°  ♐49'48	
retrograde	-12586 Nov 28 j 17:07	26°  ♐14'58		evening max el	-12585 Nov 03 j 01:42	4°  ♐43'17	18°28'18
evening set	-12586 Dec 01 j 05:10	25°  ♐55'55		retrograde	-12585 Nov 10 j 17:51	8°  ♐30'27	
inferior conj	-12586 Dec 09 j 06:58	21°  ♐39'15	4°13'15	evening set	-12585 Nov 13 j 04:50	8°  ♐08'22	
minimum elong	-12586 Dec 09 j 08:42	21°  ♐36'13	4°13'16	inferior conj	-12585 Nov 20 j 18:03	3°  ♐31'29	4°13'46
min. Earth dist.	-12586 Dec 12 j 05:10	19°  ♐37'59	0.57487 AU	minimum elong	-12585 Nov 20 j 16:20	3°  ♐34'55	4°14'02
morning rise	-12586 Dec 17 j 10:14	16°  ♐43'51		min. Earth dist.	-12585 Nov 23 j 22:42	0°  ♐58'53	0.59221 AU
direct	-12586 Dec 22 j 19:09	15°  ♐36'31			-12585 Nov 25 j 06:32	30°  ♐♁	
desc. node	-12586 Dec 31 j 21:01	18°  ♐43'35		morning rise	-12585 Nov 28 j 02:02	28°  ♐14'03	
morning max el	-12585 Jan 05 j 18:58	22°  ♐43'14	25°12'47	direct	-12585 Dec 04 j 12:03	26°  ♐28'59	
	-12585 Jan 12 j 06:31	0°  ♊			-12585 Dec 13 j 23:50	0°  ♐	
	-12585 Jan 30 j 04:20	0°  ♊		morning max el	-12585 Dec 18 j 12:55	3°  ♐47'12	26°30'18
morning set	-12585 Feb 01 j 13:22	4°  ♊54'42		desc. node	-12585 Dec 18 j 17:34	3°  ♐58'21	
					-12584 Jan 06 j 15:54	0°  ♊	
superior conj	-12585 Feb 08 j 12:35	19°  ♊55'05	-0°09'02	morning set	-12584 Jan 17 j 00:31	19°  ♊56'19	
minimum elong	-12585 Feb 08 j 12:59	19°  ♊57'13	0°09'34		-12584 Jan 21 j 17:25	0°  ♊	
behind sun begin	-12585 Feb 08 j 08:56	19°  ♊35'15		superior conj	-12584 Jan 24 j 00:12	4°  ♊58'58	-0°31'07
behind sun end	-12585 Feb 08 j 17:02	20°  ♊19'11		minimum elong	-12584 Jan 24 j 01:25	5°  ♊05'33	0°31'20
asc. node	-12585 Feb 09 j 11:37	22°  ♊00'00		max. Earth dist.	-12584 Jan 24 j 03:27	5°  ♊16'42	1.32795 AU
max. Earth dist.	-12585 Feb 09 j 14:28	22°  ♊15'26	1.33066 AU	asc. node	-12584 Jan 27 j 08:56	12°  ♊18'05	
	-12585 Feb 13 j 05:19	0°  ♋		evening rise	-12584 Jan 31 j 02:43	20°  ♊14'20	
evening rise	-12585 Feb 15 j 19:55	5°  ♋24'58			-12584 Feb 04 j 23:36	0°  ♋	
	-12585 Mar 01 j 04:03	0°  ♋			-12584 Feb 23 j 23:12	0°  ♋	
evening max el	-12585 Mar 19 j 12:54	24°  ♋19'04	27°15'38	evening max el	-12584 Feb 29 j 14:56	6°  ♋10'32	26°31'38
	-12585 Mar 26 j 23:10	0°  ♋		retrograde	-12584 Mar 14 j 18:04	13°  ♋34'06	
desc. node	-12585 Mar 29 j 22:04	1°  ♋15'58		desc. node	-12584 Mar 15 j 19:06	13°  ♋31'18	
retrograde	-12585 Apr 02 j 13:06	1°  ♋51'03		evening set	-12584 Mar 20 j 19:43	11°  ♋59'24	
	-12585 Apr 08 j 18:42	30°  ♋☿		min. Earth dist.	-12584 Mar 25 j 04:23	9°  ♋08'17	0.59442 AU
evening set	-12585 Apr 09 j 05:57	29°  ♋42'50		inferior conj	-12584 Mar 28 j 12:23	6°  ♋28'10	-2°43'21
min. Earth dist.	-12585 Apr 13 j 01:23	26°  ♋46'43	0.61427 AU	minimum elong	-12584 Mar 28 j 09:20	6°  ♋34'19	2°43'35
inferior conj	-12585 Apr 16 j 05:10	23°  ♋52'25	-3°14'14	morning rise	-12584 Apr 05 j 01:49	1°  ♋50'45	
minimum elong	-12585 Apr 16 j 03:39	23°  ♋55'56	3°14'49	direct	-12584 Apr 07 j 11:17	1°  ♋29'38	
morning rise	-12585 Apr 23 j 03:15	18°  ♋55'14		morning max el	-12584 Apr 14 j 23:33	5°  ♋08'04	18°22'00
direct	-12585 Apr 25 j 17:21	18°  ♋26'09		asc. node	-12584 Apr 24 j 07:51	18°  ♋15'06	
morning max el	-12585 May 02 j 12:33	21°  ♋50'17	18°04'21		-12584 Apr 30 j 17:32	0°  ♋	
asc. node	-12585 May 08 j 11:00	29°  ♋27'03		morning set	-12584 May 01 j 02:00	0°  ♋40'04	
	-12585 May 08 j 19:31	0°  ♋					
morning set	-12585 May 18 j 20:58	17°  ♋30'00		superior conj	-12584 May 10 j 18:01	18°  ♋45'19	1°44'45
	-12585 May 25 j 19:26	0°  ♌		minimum elong	-12584 May 10 j 15:57	18°  ♋35'54	1°44'08
superior conj	-12585 May 29 j 19:37	7°  ♌01'53	1°48'51		-12584 May 17 j 01:51	0°  ♌	
minimum elong	-12585 May 29 j 20:06	7°  ♌03'58	1°48'32	max. Earth dist.	-12584 May 18 j 01:30	1°  ♌41'58	1.40401 AU
max. Earth dist.	-12585 Jun 05 j 22:52	19°  ♌06'30	1.42156 AU	evening rise	-12584 May 23 j 00:24	10°  ♌02'38	
	-12585 Jun 12 j 16:07	0°  ♍			-12584 Jun 04 j 16:30	0°  ♍	
evening rise	-12585 Jun 13 j 00:44	0°  ♍34'15		desc. node	-12584 Jun 11 j 16:37	10°  ♍13'32	
desc. node	-12585 Jun 25 j 19:03	20°  ♍09'20		evening max el	-12584 Jun 26 j 07:56	28°  ♍38'08	23°04'31
	-12585 Jul 02 j 14:16	0°  ♍			-12584 Jun 27 j 17:43	0°  ♍	
evening max el	-12585 Jul 14 j 18:04	15°  ♍18'24	21°43'45	retrograde	-12584 Jul 06 j 09:56	4°  ♍37'36	
retrograde	-12585 Jul 23 j 16:26	20°  ♍35'15		evening set	-12584 Jul 11 j 08:26	2°  ♍32'18	
evening set	-12585 Jul 28 j 00:47	18°  ♍51'09			-12584 Jul 13 j 18:32	30°  ♍♍	
inferior conj	-12585 Aug 02 j 07:05	12°  ♍40'36	-0°41'00				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12584 Jul 16 j 13:27	26° Υ 17'59	-1°26'14	minimum elong	-12583 Jun 30 j 21:17	9° Υ 48'54	2°05'36
minimum elong	-12584 Jul 16 j 15:04	26° Υ 12'22	1°25'20	morning rise	-12583 Jul 06 j 05:21	3° Υ 48'10	
min. Earth dist.	-12584 Jul 16 j 09:55	26° Υ 30'10	0.67235 AU	asc. node	-12583 Jul 08 j 05:54	2° Υ 41'59	
asc. node	-12584 Jul 21 j 09:08	20° Υ 28'24		direct	-12583 Jul 10 j 01:31	2° Υ 23'16	
morning rise	-12584 Jul 21 j 21:37	20° Υ 02'00		morning max el	-12583 Jul 18 j 02:50	7° Υ 09'05	20°33'52
direct	-12584 Jul 26 j 04:44	18° Υ 20'08			-12583 Aug 03 j 23:01	0° B	
morning max el	-12584 Aug 04 j 06:43	23° Υ 47'21	21°48'31	morning set	-12583 Aug 15 j 03:27	17° B 07'46	
	-12584 Aug 09 j 14:55	0° B			-12583 Aug 23 j 07:25	0° II	
	-12584 Aug 30 j 10:52	0° II		desc. node	-12583 Aug 25 j 10:34	3° II 25'18	
morning set	-12584 Sep 04 j 22:02	8° II 33'04		max. Earth dist.	-12583 Aug 25 j 08:54	3° II 18'34	1.43405 AU
desc. node	-12584 Sep 07 j 13:20	12° II 46'05					
max. Earth dist.	-12584 Sep 11 j 23:31	19° II 59'25	1.41909 AU	superior conj	-12583 Aug 31 j 02:57	12° II 41'53	-0°33'34
	-12584 Sep 17 j 21:51	0° B		minimum elong	-12583 Aug 30 j 23:53	12° II 29'11	0°32'26
					-12583 Sep 10 j 07:54	0° B	
superior conj	-12584 Sep 19 j 07:23	2° B 24'58	-1°06'09	evening rise	-12583 Sep 12 j 18:13	4° B 13'27	
minimum elong	-12584 Sep 19 j 03:24	2° B 07'41	1°04'57		-12583 Sep 28 j 23:57	0° B	
evening rise	-12584 Sep 30 j 03:23	21° B 50'51		evening max el	-12583 Sep 30 j 00:10	1° B 04'54	18°09'19
	-12584 Oct 04 j 14:58	0° B		asc. node	-12583 Oct 04 j 06:12	4° B 08'38	
evening max el	-12584 Oct 16 j 11:06	17° B 46'39	18°09'11	retrograde	-12583 Oct 06 j 15:45	4° B 37'33	
asc. node	-12584 Oct 17 j 08:59	18° B 37'56		evening set	-12583 Oct 09 j 06:32	4° B 03'36	
retrograde	-12584 Oct 23 j 10:39	21° B 21'26			-12583 Oct 14 j 14:52	30° R B	
evening set	-12584 Oct 25 j 22:30	20° B 54'31		inferior conj	-12583 Oct 15 j 20:04	28° B 45'29	3°09'23
inferior conj	-12584 Nov 01 j 23:27	15° B 56'17	3°49'10	minimum elong	-12583 Oct 15 j 16:15	28° B 55'23	3°09'06
minimum elong	-12584 Nov 01 j 19:54	16° B 04'25	3°49'08	min. Earth dist.	-12583 Oct 18 j 08:46	26° B 08'48	0.62790 AU
min. Earth dist.	-12584 Nov 04 j 23:08	13° B 12'35	0.61066 AU	morning rise	-12583 Oct 22 j 01:00	22° B 53'11	
morning rise	-12584 Nov 08 j 15:56	10° B 20'06		direct	-12583 Oct 29 j 02:00	20° B 16'33	
direct	-12584 Nov 15 j 15:07	8° B 02'57		morning max el	-12583 Nov 11 j 18:54	27° B 46'32	27°33'46
morning max el	-12584 Nov 29 j 13:04	15° B 28'06	27°19'04		-12583 Nov 13 j 23:24	0° B	
desc. node	-12584 Dec 04 j 14:08	20° B 53'28		desc. node	-12583 Nov 21 j 10:45	8° B 59'56	
	-12584 Dec 11 j 12:53	0° B			-12583 Dec 05 j 03:37	0° B	
	-12584 Dec 28 j 23:53	0° B		morning set	-12583 Dec 15 j 10:50	19° B 17'57	
morning set	-12584 Dec 31 j 08:26	4° B 46'56			-12583 Dec 20 j 14:28	0° B	
max. Earth dist.	-12583 Jan 06 j 16:14	18° B 14'54	1.32865 AU	max. Earth dist.	-12583 Dec 21 j 01:08	0° B 56'49	1.33290 AU
superior conj	-12583 Jan 07 j 12:00	20° B 02'33	-0°51'21	superior conj	-12583 Dec 22 j 22:13	4° B 58'51	-1°09'02
minimum elong	-12583 Jan 07 j 13:46	20° B 12'11	0°51'19	minimum elong	-12583 Dec 23 j 00:14	5° B 09'40	1°08'49
	-12583 Jan 12 j 01:59	0° B		evening rise	-12583 Dec 29 j 23:53	20° B 09'48	
asc. node	-12583 Jan 13 j 06:19	2° B 31'27		asc. node	-12583 Dec 31 j 03:44	22° B 35'00	
evening rise	-12583 Jan 14 j 12:39	5° B 11'40			-12582 Jan 03 j 20:25	0° B	
	-12583 Jan 27 j 20:51	0° B		evening max el	-12582 Jan 23 j 05:11	28° B 22'16	23°50'02
evening max el	-12583 Feb 10 j 11:43	17° B 27'29	25°19'42		-12582 Jan 25 j 01:17	0° B	
retrograde	-12583 Feb 24 j 12:27	24° B 34'19		retrograde	-12582 Feb 05 j 18:08	5° B 01'10	
evening set	-12583 Mar 01 j 14:54	23° B 33'19		evening set	-12582 Feb 09 j 19:25	4° B 24'56	
desc. node	-12583 Mar 02 j 16:02	23° B 06'31		min. Earth dist.	-12582 Feb 16 j 18:24	1° B 05'47	0.56190 AU
min. Earth dist.	-12583 Mar 07 j 01:24	20° B 33'48	0.57594 AU	desc. node	-12582 Feb 17 j 12:51	0° B 37'43	
inferior conj	-12583 Mar 10 j 00:57	18° B 29'47	-1°44'56	inferior conj	-12582 Feb 18 j 17:56	29° B 53'05	-0°18'19
minimum elong	-12583 Mar 09 j 21:44	18° B 35'25	1°44'52	minimum elong	-12582 Feb 18 j 17:10	29° B 54'15	0°18'45
morning rise	-12583 Mar 18 j 07:48	14° B 10'36			-12582 Feb 18 j 13:25	30° R B	
direct	-12583 Mar 20 j 13:02	13° B 55'27		morning rise	-12582 Feb 27 j 17:24	25° B 47'02	
morning max el	-12583 Mar 29 j 04:51	18° B 02'40	18°59'10	direct	-12582 Mar 01 j 21:05	25° B 34'58	
	-12583 Apr 07 j 00:11	0° B			-12582 Mar 11 j 14:51	0° B	
asc. node	-12583 Apr 11 j 04:47	7° B 33'46		morning max el	-12582 Mar 12 j 01:26	0° B 24'32	19°56'12
morning set	-12583 Apr 14 j 19:10	14° B 30'24		asc. node	-12582 Mar 29 j 01:48	27° B 15'35	
	-12583 Apr 22 j 17:24	0° \approx		morning set	-12582 Mar 29 j 20:56	28° B 51'33	
					-12582 Mar 30 j 10:30	0° B	
superior conj	-12583 Apr 23 j 12:21	1° \approx 30'49	1°31'39	superior conj	-12582 Apr 06 j 21:30	15° B 04'27	1°12'56
minimum elong	-12583 Apr 23 j 09:19	1° \approx 16'20	1°30'42	minimum elong	-12582 Apr 06 j 18:36	14° B 50'04	1°11'48
max. Earth dist.	-12583 Apr 30 j 01:37	13° \approx 41'11	1.38533 AU	max. Earth dist.	-12582 Apr 12 j 04:52	25° B 24'22	1.36775 AU
evening rise	-12583 May 04 j 03:43	20° \approx 54'35			-12582 Apr 14 j 15:42	0° \approx	
	-12583 May 09 j 12:58	0° H		evening rise	-12582 Apr 16 j 07:32	3° \approx 02'29	
desc. node	-12583 May 29 j 14:09	29° H 54'27			-12582 May 02 j 13:29	0° H	
	-12583 May 29 j 15:50	0° Υ					
evening max el	-12583 Jun 08 j 18:18	11° Υ 58'05	24°26'47	desc. node	-12582 May 16 j 11:38	19° H 02'55	
retrograde	-12583 Jun 19 j 23:56	18° Υ 36'52		evening max el	-12582 May 22 j 04:01	25° H 20'00	25°42'14
evening set	-12583 Jun 25 j 13:11	16° Υ 11'52			-12582 May 27 j 16:07	0° Υ	
min. Earth dist.	-12583 Jun 30 j 04:17	10° Υ 46'28	0.67037 AU	retrograde	-12582 Jun 03 j 09:42	2° Υ 29'03	
inferior conj	-12583 Jun 30 j 19:11	9° Υ 56'02	-2°06'20		-12582 Jun 09 j 07:53	30° R H	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12582 Jun 09 j 12:58	29° K 49'00		evening set	-12581 May 24 j 05:23	13° K 20'07	
min. Earth dist.	-12582 Jun 13 j 18:57	25° K 02'45	0.66487 AU	min. Earth dist.	-12581 May 28 j 03:43	9° K 12'56	0.65548 AU
inferior conj	-12582 Jun 14 j 22:27	23° K 33'38	-2°39'57	inferior conj	-12581 May 29 j 21:10	7° K 07'17	-3°05'27
minimum elong	-12582 Jun 15 j 00:40	23° K 26'27	2°39'33	minimum elong	-12581 May 29 j 23:01	7° K 01'38	3°05'29
morning rise	-12582 Jun 20 j 12:25	17° K 37'00		morning rise	-12581 Jun 04 j 16:56	1° K 24'33	
direct	-12582 Jun 23 j 23:27	16° K 27'32		direct	-12581 Jun 07 j 20:31	0° K 28'38	
asc. node	-12582 Jun 25 j 02:38	16° K 34'40		asc. node	-12581 Jun 11 j 23:20	1° K 58'00	
morning max el	-12582 Jul 01 j 05:32	20° K 38'10	19°31'38	morning max el	-12581 Jun 14 j 13:56	4° K 13'05	18°44'39
	-12582 Jul 08 j 14:37	0° Y			-12581 Jul 02 j 04:10	0° Y	
morning set	-12582 Jul 25 j 09:43	25° Y 46'42		morning set	-12581 Jul 05 j 10:00	5° Y 15'15	
	-12582 Jul 28 j 02:17	0° Z					
max. Earth dist.	-12582 Aug 07 j 23:32	17° Z 10'16	1.44331 AU	superior conj	-12581 Jul 20 j 20:18	29° Y 56'13	0°53'06
				minimum elong	-12581 Jul 21 j 02:06	0° Z 19'09	0°52'51
superior conj	-12582 Aug 10 j 19:34	21° Z 41'09	0°09'00		-12581 Jul 20 j 21:16	0° Z	
minimum elong	-12582 Aug 10 j 20:41	21° Z 45'37	0°09'28	max. Earth dist.	-12581 Jul 21 j 16:07	1° Z 14'40	1.44571 AU
behind sun begin	-12582 Aug 10 j 11:32	21° Z 09'03		desc. node	-12581 Jul 30 j 05:19	14° Z 46'30	
behind sun end	-12582 Aug 11 j 05:50	22° Z 22'13		evening rise	-12581 Aug 06 j 02:57	25° Z 44'17	
desc. node	-12582 Aug 12 j 07:54	24° Z 06'34			-12581 Aug 08 j 19:11	0° II	
	-12582 Aug 15 j 23:40	0° II		evening max el	-12581 Aug 28 j 01:19	28° II 01'48	19°03'21
evening rise	-12582 Aug 25 j 11:50	15° II 35'54			-12581 Aug 30 j 05:30	0° III	
	-12582 Sep 03 j 05:08	0° III		retrograde	-12581 Sep 03 j 23:31	1° III 57'10	
evening max el	-12582 Sep 13 j 13:52	14° III 31'42	18°27'41	evening set	-12581 Sep 07 j 02:48	1° III 00'45	
retrograde	-12582 Sep 20 j 05:12	18° III 11'20		asc. node	-12581 Sep 08 j 00:20	0° III 24'20	
asc. node	-12582 Sep 21 j 03:20	18° III 06'40			-12581 Sep 08 j 12:34	30° R II	
evening set	-12582 Sep 23 j 01:05	17° III 27'44		inferior conj	-12581 Sep 12 j 21:57	25° II 12'02	1°29'48
inferior conj	-12582 Sep 29 j 04:35	11° III 52'38	2°21'24	minimum elong	-12581 Sep 12 j 19:53	25° II 18'26	1°29'50
minimum elong	-12582 Sep 29 j 01:26	12° III 01'41	2°21'09	min. Earth dist.	-12581 Sep 14 j 09:32	23° II 21'37	0.65446 AU
min. Earth dist.	-12582 Oct 01 j 04:34	9° III 35'22	0.64267 AU	morning rise	-12581 Sep 18 j 12:30	18° II 57'05	
morning rise	-12582 Oct 05 j 01:06	5° III 47'08		direct	-12581 Sep 24 j 19:59	16° II 18'24	
direct	-12582 Oct 11 j 19:47	3° III 04'08		morning max el	-12581 Oct 07 j 14:52	23° II 42'44	26°27'42
morning max el	-12582 Oct 25 j 04:21	10° III 35'22	27°14'59		-12581 Oct 13 j 07:54	0° III	
desc. node	-12582 Nov 08 j 07:25	27° III 57'13		desc. node	-12581 Oct 26 j 04:09	17° III 30'43	
	-12582 Nov 09 j 17:13	0° II			-12581 Nov 03 j 00:50	0° II	
	-12582 Nov 27 j 11:29	0° III		morning set	-12581 Nov 12 j 11:03	16° II 42'33	
morning set	-12582 Nov 29 j 04:54	3° III 20'10		max. Earth dist.	-12581 Nov 16 j 17:40	24° II 56'35	1.35337 AU
max. Earth dist.	-12582 Dec 04 j 02:34	13° III 12'10	1.34104 AU		-12581 Nov 19 j 06:25	0° III	
superior conj	-12582 Dec 07 j 04:57	19° III 41'08	-1°23'18	superior conj	-12581 Nov 21 j 05:56	4° III 02'09	-1°33'03
minimum elong	-12582 Dec 07 j 06:47	19° III 50'52	1°22'58	minimum elong	-12581 Nov 21 j 07:07	4° III 08'13	1°32'39
	-12582 Dec 12 j 01:18	0° IV		evening rise	-12581 Nov 28 j 19:29	19° III 44'30	
evening rise	-12582 Dec 14 j 10:43	5° IV 02'38			-12581 Dec 03 j 23:07	0° IV	
asc. node	-12582 Dec 18 j 01:08	12° IV 23'14		asc. node	-12581 Dec 04 j 22:32	1° IV 49'51	
	-12582 Dec 28 j 05:27	0° V		evening max el	-12581 Dec 18 j 01:30	20° IV 33'10	20°49'56
evening max el	-12581 Jan 04 j 23:56	9° V 16'37	22°16'00	retrograde	-12581 Dec 29 j 03:46	25° IV 45'41	
retrograde	-12581 Jan 17 j 12:47	15° V 15'42		evening set	-12581 Dec 31 j 21:48	25° IV 27'43	
evening set	-12581 Jan 20 j 18:07	14° V 52'48		inferior conj	-12580 Jan 09 j 17:36	21° IV 28'32	2°57'34
inferior conj	-12581 Jan 29 j 19:44	10° V 45'05	1°24'31	minimum elong	-12580 Jan 09 j 23:24	21° IV 20'03	2°55'53
minimum elong	-12581 Jan 29 j 23:14	10° V 40'05	1°22'56	min. Earth dist.	-12580 Jan 10 j 22:48	20° IV 45'52	0.55673 AU
min. Earth dist.	-12581 Jan 29 j 09:05	11° V 00'22	0.55504 AU	morning rise	-12580 Jan 18 j 23:45	17° IV 09'34	
desc. node	-12581 Feb 04 j 09:37	7° V 51'03		direct	-12580 Jan 22 j 06:36	16° IV 45'47	
morning rise	-12581 Feb 08 j 05:05	6° V 40'29		desc. node	-12580 Jan 22 j 06:17	16° IV 45'47	
direct	-12581 Feb 10 j 15:18	6° V 26'56		morning max el	-12580 Feb 04 j 09:54	23° IV 12'10	22°42'48
morning max el	-12581 Feb 22 j 11:05	12° V 06'54	21°12'04		-12580 Feb 10 j 08:47	0° V	
	-12581 Mar 07 j 05:19	0° VI		morning set	-12580 Feb 26 j 15:17	28° V 31'25	
morning set	-12581 Mar 14 j 04:22	13° VI 34'13			-12580 Feb 27 j 08:14	0° VI	
asc. node	-12581 Mar 15 j 22:51	17° VI 13'53		asc. node	-12580 Mar 01 j 19:59	7° VI 23'53	
superior conj	-12581 Mar 21 j 17:10	29° VI 13'19	0°51'05	superior conj	-12580 Mar 04 j 20:13	13° VI 47'58	0°27'48
minimum elong	-12581 Mar 21 j 15:01	29° VI 02'13	0°49'56	minimum elong	-12580 Mar 04 j 19:03	13° VI 41'46	0°26'49
	-12581 Mar 22 j 02:14	0° VII		max. Earth dist.	-12580 Mar 07 j 13:21	19° VI 29'37	1.34158 AU
max. Earth dist.	-12581 Mar 25 j 16:03	7° VII 14'44	1.35292 AU	evening rise	-12580 Mar 12 j 18:02	29° VI 59'58	
evening rise	-12581 Mar 30 j 05:59	16° VII 09'08			-12580 Mar 12 j 18:03	0° VII	
	-12581 Apr 06 j 21:59	0° VIII			-12580 Mar 29 j 23:31	0° VIII	
	-12581 Apr 26 j 22:55	0° K		evening max el	-12580 Apr 16 j 01:04	21° VIII 47'27	27°19'05
desc. node	-12581 May 03 j 09:03	7° K 24'50		desc. node	-12580 Apr 19 j 06:22	24° VIII 41'28	
evening max el	-12581 May 04 j 14:23	8° K 39'07	26°42'20	retrograde	-12580 Apr 29 j 14:21	29° VIII 22'56	
retrograde	-12581 May 17 j 14:41	16° K 06'56		evening set	-12580 May 06 j 11:40	26° VIII 41'08	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12580 May 10 j 04:53	23°08'50	0.64212 AU			-12579 Mar 25 j 03:19	0°00'	
inferior conj	-12580 May 12 j 12:56	20°33'26	-3°20'30	evening max el		-12579 Mar 29 j 10:18	4°33'52	27°26'20
minimum elong	-12580 May 12 j 13:52	20°30'48	3°20'57	desc. node		-12579 Apr 06 j 03:34	10°26'44	
morning rise	-12580 May 18 j 16:47	15°06'48		retrograde		-12579 Apr 12 j 07:44	12°08'24	
direct	-12580 May 21 j 14:22	14°22'33		evening set		-12579 Apr 19 j 04:36	9°44'50	
morning max el	-12580 May 28 j 02:14	17°50'40	18°14'39	min. Earth dist.		-12579 Apr 22 j 21:18	6°38'47	0.62520 AU
asc. node	-12580 May 28 j 20:03	18°37'12		inferior conj		-12579 Apr 25 j 18:50	3°46'24	-3°21'42
	-12580 Jun 05 j 23:10	0°00'		minimum elong		-12579 Apr 25 j 18:19	3°47'41	3°22'20
morning set	-12580 Jun 15 j 11:20	15°52'58				-12579 Apr 30 j 00:16	30°00'	
	-12580 Jun 23 j 21:59	0°00'		morning rise		-12579 May 02 j 09:24	28°37'45	
				direct		-12579 May 05 j 02:04	28°03'29	
superior conj	-12580 Jun 29 j 03:02	8°00'30	1°27'22			-12579 May 10 j 00:54	0°00'	
minimum elong	-12580 Jun 29 j 09:06	8°00'54	1°27'00	morning max el		-12579 May 11 j 16:06	1°25'53	18°02'42
max. Earth dist.	-12580 Jul 03 j 07:24	15°00'13	1.44109 AU	asc. node		-12579 May 15 j 16:49	6°16'40	
	-12580 Jul 12 j 16:12	0°00'		morning set		-12579 May 28 j 12:24	27°38'24	
evening rise	-12580 Jul 15 j 15:50	4°03'20				-12579 May 29 j 20:25	0°00'	
desc. node	-12580 Jul 16 j 02:48	5°02'15						
greatest brilliancy	-12580 Jul 28 j 03:25	23°04'39	-0.7m	superior conj		-12579 Jun 09 j 08:39	18°11'33	1°45'32
	-12580 Aug 01 j 07:54	0°00'		minimum elong		-12579 Jun 09 j 11:16	18°22'34	1°45'16
evening max el	-12580 Aug 10 j 08:05	11°00'31	19°55'02	max. Earth dist.		-12579 Jun 15 j 19:06	28°50'48	1.43019 AU
retrograde	-12580 Aug 17 j 19:58	15°00'51				-12579 Jun 16 j 12:08	0°00'	
evening set	-12580 Aug 21 j 08:56	14°00'38		evening rise		-12579 Jun 24 j 15:53	12°00'58	
asc. node	-12580 Aug 24 j 21:17	11°00'13		desc. node		-12579 Jul 03 j 00:21	25°00'49	
inferior conj	-12580 Aug 26 j 21:34	8°00'39	0°37'35			-12579 Jul 05 j 19:02	0°00'	
minimum elong	-12580 Aug 26 j 20:42	8°00'42	0°38'00	evening max el		-12579 Jul 24 j 08:24	24°00'57	21°00'50
min. Earth dist.	-12580 Aug 27 j 21:39	7°00'20	0.66331 AU	retrograde		-12579 Aug 01 j 16:26	29°00'51	
morning rise	-12580 Sep 01 j 08:11	2°00'19		evening set		-12579 Aug 05 j 17:15	28°00'19	
	-12580 Sep 05 j 18:06	30°00'00		inferior conj		-12579 Aug 11 j 01:17	22°00'12	-0°13'06
direct	-12580 Sep 07 j 02:09	29°00'52		minimum elong		-12579 Aug 11 j 01:33	22°00'11	0°12'22
	-12580 Sep 08 j 11:12	0°00'		transit middle		-12579 Aug 11 j 01:33	22°00'11	0°12'22
morning max el	-12580 Sep 19 j 00:49	6°00'57	25°19'25	transit begin		-12579 Aug 10 j 23:46	22°00'17	
	-12580 Oct 07 j 02:10	0°00'		transit end		-12579 Aug 11 j 03:20	22°00'05	
desc. node	-12580 Oct 12 j 00:57	7°00'29		min. Earth dist.		-12579 Aug 11 j 14:32	21°00'27	0.66921 AU
morning set	-12580 Oct 25 j 00:33	29°00'11		asc. node		-12579 Aug 11 j 18:08	21°00'15	
	-12580 Oct 25 j 11:28	0°00'		morning rise		-12579 Aug 16 j 09:42	15°00'51	
max. Earth dist.	-12580 Oct 28 j 22:16	6°00'19	1.36982 AU	direct		-12579 Aug 21 j 13:32	13°00'40	
				morning max el		-12579 Sep 01 j 10:41	20°00'12	23°59'03
superior conj	-12580 Nov 03 j 22:15	17°00'52	-1°36'54			-12579 Sep 09 j 19:00	0°00'	
minimum elong	-12580 Nov 03 j 22:14	17°00'52	1°36'22	desc. node		-12579 Sep 28 j 21:53	27°00'46	
	-12580 Nov 09 j 23:01	0°00'				-12579 Sep 30 j 07:17	0°00'	
evening rise	-12580 Nov 12 j 00:17	4°00'09		morning set		-12579 Oct 06 j 16:12	10°00'32	
asc. node	-12580 Nov 20 j 19:56	20°00'46		max. Earth dist.		-12579 Oct 10 j 21:29	17°00'51	1.38911 AU
	-12580 Nov 27 j 06:53	0°00'				-12579 Oct 17 j 13:08	0°00'	
evening max el	-12580 Nov 29 j 12:59	2°00'22	19°39'30					
retrograde	-12580 Dec 09 j 01:51	6°00'52		superior conj		-12579 Oct 18 j 02:08	1°00'01	-1°33'02
evening set	-12580 Dec 11 j 15:18	6°00'34		minimum elong		-12579 Oct 18 j 00:26	0°00'53	1°32'17
inferior conj	-12580 Dec 20 j 00:16	2°00'27	3°57'08	evening rise		-12579 Oct 26 j 22:53	18°00'10	
minimum elong	-12580 Dec 20 j 04:11	2°00'21	3°56'37			-12579 Nov 02 j 04:30	0°00'	
min. Earth dist.	-12580 Dec 22 j 12:10	0°00'51	0.56648 AU	asc. node		-12579 Nov 07 j 17:16	9°00'02	
	-12580 Dec 23 j 22:03	30°00'00		evening max el		-12579 Nov 12 j 10:32	14°00'44	18°48'24
morning rise	-12580 Dec 28 j 14:58	27°00'45		retrograde		-12579 Nov 20 j 16:05	18°00'43	
direct	-12579 Jan 02 j 05:41	26°00'57		evening set		-12579 Nov 23 j 03:41	18°00'23	
desc. node	-12579 Jan 08 j 02:52	28°00'16		inferior conj		-12579 Dec 01 j 00:07	13°00'58	4°17'14
	-12579 Jan 11 j 05:41	0°00'		minimum elong		-12579 Dec 01 j 00:15	13°00'57	4°17'28
morning max el	-12579 Jan 16 j 01:28	3°00'54	24°19'36	min. Earth dist.		-12579 Dec 04 j 02:53	11°00'41	0.58199 AU
	-12579 Feb 03 j 07:54	0°00'		morning rise		-12579 Dec 08 j 18:55	8°00'53	
morning set	-12579 Feb 10 j 03:42	13°00'35		direct		-12579 Dec 14 j 16:08	7°00'29	
asc. node	-12579 Feb 16 j 17:13	27°00'40		desc. node		-12579 Dec 25 j 23:27	12°00'18	
				morning max el		-12579 Dec 28 j 16:37	14°00'41	25°48'35
superior conj	-12579 Feb 17 j 04:07	28°00'39	0°04'17			-12578 Jan 09 j 22:54	0°00'	
minimum elong	-12579 Feb 17 j 03:58	28°00'38	0°03'35	morning set		-12578 Jan 25 j 15:50	28°00'39	
behind sun begin	-12579 Feb 16 j 22:57	28°00'11				-12578 Jan 26 j 07:10	0°00'	
behind sun end	-12579 Feb 17 j 08:59	29°00'05						
	-12579 Feb 17 j 19:08	0°00'		superior conj		-12578 Feb 01 j 14:53	13°00'39	-0°18'35
max. Earth dist.	-12579 Feb 18 j 19:20	2°00'09	1.33371 AU	minimum elong		-12578 Feb 01 j 15:39	13°00'43	0°18'58
evening rise	-12579 Feb 24 j 15:38	14°00'21		max. Earth dist.		-12578 Feb 02 j 06:57	15°00'07	1.32916 AU
	-12579 Mar 04 j 21:07	0°00'		asc. node		-12578 Feb 03 j 14:31	17°00'58	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12578 Feb 08 j 19:47	29° \mathbb{M} 02'30			-12577 Jan 17 j 16:43	0° \mathbb{M}	
	-12578 Feb 09 j 06:59	0° \mathbb{A}		asc. node	-12577 Jan 21 j 11:52	8° \mathbb{M} 15'02	
	-12578 Feb 26 j 04:10	0° \mathbb{B}		evening rise	-12577 Jan 24 j 04:10	13° \mathbb{M} 55'55	
evening max el	-12578 Mar 11 j 15:39	16° \mathbb{B} 47'18	27°00'48		-12577 Feb 01 j 09:25	0° \mathbb{A}	
desc. node	-12578 Mar 24 j 00:40	24° \mathbb{B} 07'55		evening max el	-12577 Feb 21 j 15:21	28° \mathbb{A} 23'06	26°03'58
retrograde	-12578 Mar 25 j 17:23	24° \mathbb{B} 15'30			-12577 Feb 23 j 10:00	0° \mathbb{B}	
evening set	-12578 Apr 01 j 04:55	22° \mathbb{B} 21'13		retrograde	-12577 Mar 07 j 17:52	5° \mathbb{B} 40'28	
min. Earth dist.	-12578 Apr 05 j 04:45	19° \mathbb{B} 28'54	0.60588 AU	desc. node	-12577 Mar 10 j 21:40	5° \mathbb{B} 15'39	
inferior conj	-12578 Apr 08 j 11:23	16° \mathbb{B} 38'11	-3°04'13	evening set	-12577 Mar 13 j 10:41	4° \mathbb{B} 20'26	
minimum elong	-12578 Apr 08 j 09:09	16° \mathbb{B} 43'06	3°04'42	min. Earth dist.	-12577 Mar 18 j 04:41	1° \mathbb{B} 27'34	0.58621 AU
morning rise	-12578 Apr 15 j 15:37	11° \mathbb{B} 49'05			-12577 Mar 20 j 03:41	30° \mathbb{R} \mathbb{A}	
direct	-12578 Apr 18 j 03:51	11° \mathbb{B} 23'28		inferior conj	-12577 Mar 21 j 11:02	29° \mathbb{A} 00'23	-2°22'13
morning max el	-12578 Apr 25 j 04:55	14° \mathbb{B} 51'57	18°09'28	minimum elong	-12577 Mar 21 j 07:39	29° \mathbb{A} 06'48	2°22'16
asc. node	-12578 May 02 j 13:39	24° \mathbb{B} 42'47		morning rise	-12577 Mar 29 j 07:43	24° \mathbb{A} 31'16	
	-12578 May 05 j 16:11	0° \mathbb{A}		direct	-12577 Mar 31 j 15:27	24° \mathbb{A} 12'51	
morning set	-12578 May 11 j 08:38	10° \mathbb{A} 21'00		morning max el	-12577 Apr 08 j 13:55	28° \mathbb{A} 01'16	18°35'29
					-12577 Apr 10 j 10:56	0° \mathbb{B}	
superior conj	-12578 May 21 j 17:08	29° \mathbb{A} 12'33	1°48'28	asc. node	-12577 Apr 19 j 10:34	13° \mathbb{B} 45'04	
minimum elong	-12578 May 21 j 16:19	29° \mathbb{A} 08'59	1°48'03	morning set	-12577 Apr 24 j 19:23	23° \mathbb{B} 49'59	
	-12578 May 22 j 03:52	0° \mathbb{H}			-12577 Apr 28 j 00:16	0° \mathbb{A}	
max. Earth dist.	-12578 May 29 j 01:41	11° \mathbb{H} 53'38	1.41446 AU	superior conj	-12577 May 04 j 00:48	11° \mathbb{A} 25'00	1°40'04
evening rise	-12578 Jun 04 j 01:58	21° \mathbb{H} 46'48		minimum elong	-12577 May 03 j 22:09	11° \mathbb{A} 12'42	1°39'19
	-12578 Jun 09 j 06:26	0° \mathbb{Y}		max. Earth dist.	-12577 May 11 j 03:10	24° \mathbb{A} 14'21	1.39607 AU
desc. node	-12578 Jun 19 j 21:54	16° \mathbb{Y} 03'23			-12577 May 14 j 11:16	0° \mathbb{H}	
	-12578 Jun 29 j 23:24	0° \mathbb{B}		evening rise	-12577 May 15 j 13:24	1° \mathbb{H} 50'34	
evening max el	-12578 Jul 07 j 01:45	8° \mathbb{B} 19'29	22°17'28		-12577 Jun 02 j 13:48	0° \mathbb{Y}	
retrograde	-12578 Jul 16 j 11:20	13° \mathbb{B} 53'39		desc. node	-12577 Jun 06 j 19:26	5° \mathbb{Y} 58'48	
evening set	-12578 Jul 21 j 01:41	12° \mathbb{B} 00'24		evening max el	-12577 Jun 19 j 13:41	21° \mathbb{Y} 38'44	23°39'37
inferior conj	-12578 Jul 26 j 07:11	5° \mathbb{B} 48'08	-1°00'43	retrograde	-12577 Jun 30 j 03:30	27° \mathbb{Y} 55'40	
minimum elong	-12578 Jul 26 j 08:23	5° \mathbb{B} 43'59	0°59'50	evening set	-12577 Jul 05 j 08:22	25° \mathbb{Y} 41'19	
min. Earth dist.	-12578 Jul 26 j 09:48	5° \mathbb{B} 39'07	0.67214 AU	min. Earth dist.	-12577 Jul 10 j 05:11	19° \mathbb{Y} 54'38	0.67200 AU
asc. node	-12578 Jul 29 j 14:58	1° \mathbb{B} 28'27		inferior conj	-12577 Jul 10 j 13:31	19° \mathbb{Y} 25'59	-1°43'57
	-12578 Jul 31 j 01:02	30° \mathbb{R} \mathbb{Y}		minimum elong	-12577 Jul 10 j 15:23	19° \mathbb{Y} 19'33	1°43'06
morning rise	-12578 Jul 31 j 15:00	29° \mathbb{Y} 29'23		morning rise	-12577 Jul 15 j 22:21	13° \mathbb{Y} 13'15	
direct	-12578 Aug 05 j 05:18	27° \mathbb{Y} 37'14		asc. node	-12577 Jul 16 j 11:46	12° \mathbb{Y} 49'03	
	-12578 Aug 11 j 01:31	0° \mathbb{B}		direct	-12577 Jul 20 j 00:32	11° \mathbb{Y} 39'00	
morning max el	-12578 Aug 14 j 22:45	3° \mathbb{B} 28'25	22°35'14	morning max el	-12577 Jul 28 j 15:33	16° \mathbb{Y} 47'54	21°15'28
	-12578 Sep 03 j 23:17	0° \mathbb{II}			-12577 Aug 08 j 02:42	0° \mathbb{B}	
desc. node	-12578 Sep 15 j 18:57	18° \mathbb{II} 15'34		morning set	-12577 Aug 27 j 19:54	29° \mathbb{B} 34'53	
morning set	-12578 Sep 17 j 05:57	20° \mathbb{II} 36'45			-12577 Aug 28 j 02:18	0° \mathbb{II}	
	-12578 Sep 22 j 22:03	0° \mathbb{B}		desc. node	-12577 Sep 02 j 16:06	8° \mathbb{II} 52'02	
max. Earth dist.	-12578 Sep 22 j 22:11	0° \mathbb{B} 00'35	1.40877 AU	max. Earth dist.	-12577 Sep 05 j 04:07	12° \mathbb{II} 55'35	1.42609 AU
superior conj	-12578 Sep 30 j 12:31	13° \mathbb{B} 14'18	-1°19'18	superior conj	-12577 Sep 11 j 23:38	24° \mathbb{II} 16'44	-0°53'47
minimum elong	-12578 Sep 30 j 09:07	12° \mathbb{B} 59'02	1°18'15	minimum elong	-12577 Sep 11 j 19:40	23° \mathbb{II} 59'51	0°52'33
	-12578 Oct 09 j 14:43	0° \mathbb{O}			-12577 Sep 15 j 07:35	0° \mathbb{B}	
evening rise	-12578 Oct 10 j 12:22	1° \mathbb{O} 41'36		evening rise	-12577 Sep 23 j 12:54	14° \mathbb{B} 32'50	
asc. node	-12578 Oct 25 j 14:33	26° \mathbb{O} 26'42			-12577 Oct 02 j 08:34	0° \mathbb{O}	
evening max el	-12578 Oct 26 j 16:18	27° \mathbb{O} 34'08	18°17'42	evening max el	-12577 Oct 10 j 03:32	10° \mathbb{O} 43'53	18°06'54
	-12578 Oct 29 j 18:14	0° \mathbb{M}		asc. node	-12577 Oct 12 j 11:48	12° \mathbb{O} 43'30	
retrograde	-12578 Nov 03 j 00:12	1° \mathbb{M} 14'47		retrograde	-12577 Oct 16 j 22:53	14° \mathbb{O} 17'03	
evening set	-12578 Nov 05 j 11:22	0° \mathbb{M} 50'47		evening set	-12577 Oct 19 j 11:36	13° \mathbb{O} 47'32	
	-12578 Nov 07 j 10:34	30° \mathbb{R} \mathbb{O}		inferior conj	-12577 Oct 26 j 07:32	8° \mathbb{O} 40'22	3°33'42
inferior conj	-12578 Nov 12 j 19:14	26° \mathbb{O} 04'20	4°05'47	minimum elong	-12577 Oct 26 j 03:43	8° \mathbb{O} 49'37	3°33'30
minimum elong	-12578 Nov 12 j 16:31	26° \mathbb{O} 10'06	4°05'56	min. Earth dist.	-12577 Oct 29 j 02:55	5° \mathbb{O} 57'41	0.61819 AU
min. Earth dist.	-12578 Nov 15 j 22:39	23° \mathbb{O} 24'54	0.60010 AU	morning rise	-12577 Nov 01 j 18:37	2° \mathbb{O} 56'39	
morning rise	-12578 Nov 19 j 20:07	20° \mathbb{O} 38'42		direct	-12577 Nov 08 j 19:32	0° \mathbb{O} 29'40	
direct	-12578 Nov 26 j 13:11	18° \mathbb{O} 39'06		morning max el	-12577 Nov 22 j 16:04	7° \mathbb{O} 57'42	27°29'42
morning max el	-12578 Dec 10 j 13:04	25° \mathbb{O} 59'48	26°55'12	desc. node	-12577 Nov 29 j 16:40	15° \mathbb{O} 47'22	
desc. node	-12578 Dec 12 j 20:04	28° \mathbb{O} 19'08			-12577 Dec 09 j 16:58	0° \mathbb{M}	
	-12578 Dec 14 j 08:41	0° \mathbb{M}		morning set	-12577 Dec 25 j 07:44	28° \mathbb{M} 20'10	
	-12577 Jan 03 j 04:31	0° \mathbb{B}			-12577 Dec 26 j 03:10	0° \mathbb{B}	
morning set	-12577 Jan 10 j 01:53	13° \mathbb{B} 36'58		max. Earth dist.	-12577 Dec 31 j 08:06	11° \mathbb{B} 02'12	1.32993 AU
superior conj	-12577 Jan 17 j 02:47	28° \mathbb{B} 43'49	-0°39'59	superior conj	-12576 Jan 01 j 14:05	13° \mathbb{B} 44'38	-0°59'14
minimum elong	-12577 Jan 17 j 04:15	28° \mathbb{B} 51'54	0°40'05	minimum elong	-12576 Jan 01 j 15:59	13° \mathbb{B} 55'02	0°59'07
max. Earth dist.	-12577 Jan 16 j 20:30	28° \mathbb{B} 09'31	1.32783 AU				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12576 Jan 08 j 09:15	28° Ω 24'29		minimum elong	-12576 Dec 16 j 01:03	28° Π 46'45	1°15'18
evening rise	-12576 Jan 08 j 14:49	28° Ω 53'48			-12576 Dec 16 j 14:43	0° Ω	
	-12576 Jan 09 j 03:28	0° Π		evening rise	-12576 Dec 23 j 02:03	13° Ω 50'16	
	-12576 Jan 26 j 06:45	0° \mathcal{A}		asc. node	-12576 Dec 25 j 06:38	18° Ω 22'08	
evening max el	-12576 Feb 03 j 10:01	9° \mathcal{A} 27'10	24°42'59		-12576 Dec 31 j 08:22	0° Π	
retrograde	-12576 Feb 17 j 07:18	16° \mathcal{A} 24'38		evening max el	-12575 Jan 15 j 03:23	20° Π 18'53	23°09'51
evening set	-12576 Feb 21 j 22:53	15° \mathcal{A} 35'24		retrograde	-12575 Jan 28 j 08:07	26° Π 42'21	
desc. node	-12576 Feb 25 j 18:36	13° \mathcal{A} 49'10		evening set	-12575 Jan 31 j 23:33	26° Π 13'21	
min. Earth dist.	-12576 Feb 27 j 23:37	12° \mathcal{A} 28'56	0.56916 AU	min. Earth dist.	-12575 Feb 08 j 15:48	22° Π 41'40	0.55795 AU
inferior conj	-12576 Mar 01 j 15:05	10° \mathcal{A} 45'04	-1°11'20	inferior conj	-12575 Feb 10 j 00:38	21° Π 53'10	0°24'40
minimum elong	-12576 Mar 01 j 12:33	10° \mathcal{A} 49'13	1°11'20	minimum elong	-12575 Feb 10 j 01:39	21° Π 51'41	0°23'43
morning rise	-12576 Mar 10 j 05:26	6° \mathcal{A} 32'52		desc. node	-12575 Feb 11 j 15:25	20° Π 56'31	
direct	-12576 Mar 12 j 09:17	6° \mathcal{A} 19'34		morning rise	-12575 Feb 19 j 05:31	17° Π 49'12	
morning max el	-12576 Mar 21 j 15:56	10° \mathcal{A} 43'12	19°21'07	direct	-12575 Feb 21 j 10:21	17° Π 37'18	
	-12576 Apr 03 j 15:02	0° \mathcal{B}		morning max el	-12575 Mar 04 j 08:03	22° Π 48'35	20°26'16
asc. node	-12576 Apr 05 j 07:32	3° \mathcal{B} 14'01			-12575 Mar 10 j 08:43	0° \mathcal{A}	
morning set	-12576 Apr 07 j 16:33	7° \mathcal{B} 54'00		morning set	-12575 Mar 22 j 20:58	22° \mathcal{A} 24'25	
				asc. node	-12575 Mar 23 j 04:32	23° \mathcal{A} 02'58	
superior conj	-12576 Apr 16 j 02:01	24° \mathcal{B} 32'35	1°24'15		-12575 Mar 26 j 13:50	0° \mathcal{B}	
minimum elong	-12576 Apr 15 j 22:57	24° \mathcal{B} 17'38	1°23'12	superior conj	-12575 Mar 30 j 16:01	8° \mathcal{B} 21'49	1°03'57
	-12576 Apr 18 j 22:07	0° \approx		minimum elong	-12575 Mar 30 j 13:24	8° \mathcal{B} 08'31	1°02'46
max. Earth dist.	-12576 Apr 22 j 03:22	6° \approx 01'24	1.37754 AU	max. Earth dist.	-12575 Apr 04 j 09:08	17° \mathcal{B} 42'41	1.36104 AU
evening rise	-12576 Apr 26 j 03:44	13° \approx 16'10		evening rise	-12575 Apr 08 j 16:09	25° \mathcal{B} 50'43	
	-12576 May 06 j 02:43	0° \mathcal{H}			-12575 Apr 10 j 22:46	0° \approx	
desc. node	-12576 May 23 j 16:57	25° \mathcal{H} 27'16			-12575 Apr 29 j 13:20	0° \mathcal{H}	
	-12576 May 27 j 09:50	0° \mathcal{Y}		desc. node	-12575 May 10 j 14:25	14° \mathcal{H} 17'40	
evening max el	-12576 May 31 j 23:17	4° \mathcal{Y} 58'54	25°00'08	evening max el	-12575 May 14 j 09:15	18° \mathcal{H} 20'12	26°10'18
retrograde	-12576 Jun 12 j 15:59	11° \mathcal{Y} 52'43		retrograde	-12575 May 26 j 23:52	25° \mathcal{H} 39'01	
evening set	-12576 Jun 18 j 11:19	9° \mathcal{Y} 20'25		evening set	-12575 Jun 02 j 08:16	22° \mathcal{H} 55'07	
min. Earth dist.	-12576 Jun 22 j 22:18	4° \mathcal{Y} 11'26	0.66847 AU	min. Earth dist.	-12575 Jun 06 j 10:51	18° \mathcal{H} 25'23	0.66130 AU
inferior conj	-12576 Jun 23 j 18:27	3° \mathcal{Y} 04'15	-2°21'30	inferior conj	-12575 Jun 07 j 20:03	16° \mathcal{H} 40'24	-2°51'56
minimum elong	-12576 Jun 23 j 20:40	2° \mathcal{Y} 56'53	2°20'53	minimum elong	-12575 Jun 07 j 22:11	16° \mathcal{H} 33'40	2°51'42
	-12576 Jun 26 j 04:00	30° $\mathcal{R}\mathcal{H}$		morning rise	-12575 Jun 13 j 12:12	10° \mathcal{H} 49'05	
morning rise	-12576 Jun 29 j 06:01	27° \mathcal{H} 00'45		direct	-12575 Jun 16 j 19:49	9° \mathcal{H} 45'36	
asc. node	-12576 Jul 02 j 08:31	25° \mathcal{H} 44'37		asc. node	-12575 Jun 19 j 05:13	10° \mathcal{H} 16'49	
direct	-12576 Jul 02 j 21:58	25° \mathcal{H} 42'51		morning max el	-12575 Jun 23 j 19:45	13° \mathcal{H} 44'18	19°09'36
	-12576 Jul 10 j 09:25	0° \mathcal{Y}			-12575 Jul 05 j 16:44	0° \mathcal{Y}	
morning max el	-12576 Jul 10 j 14:34	0° \mathcal{Y} 13'10	20°05'38	morning set	-12575 Jul 16 j 11:33	17° \mathcal{Y} 00'27	
	-12576 Jul 31 j 18:01	0° \mathcal{B}			-12575 Jul 24 j 16:28	0° \mathcal{B}	
morning set	-12576 Aug 05 j 23:13	8° \mathcal{B} 04'59		max. Earth dist.	-12575 Jul 31 j 07:07	10° \mathcal{B} 27'21	1.44519 AU
max. Earth dist.	-12576 Aug 17 j 15:38	26° \mathcal{B} 29'22	1.43875 AU				
desc. node	-12576 Aug 19 j 13:20	29° \mathcal{B} 32'36		superior conj	-12575 Aug 01 j 15:07	12° \mathcal{B} 34'10	0°28'11
	-12576 Aug 19 j 20:09	0° Π		minimum elong	-12575 Aug 01 j 18:30	12° \mathcal{B} 47'33	0°28'19
superior conj	-12576 Aug 22 j 07:22	3° Π 59'34	-0°16'23	desc. node	-12575 Aug 06 j 10:41	20° \mathcal{B} 13'38	
minimum elong	-12576 Aug 22 j 05:43	3° Π 52'49	0°15'29		-12575 Aug 12 j 12:47	0° Π	
behind sun begin	-12576 Aug 22 j 02:19	3° Π 39'01		evening rise	-12575 Aug 17 j 02:19	7° Π 24'09	
behind sun end	-12576 Aug 22 j 09:07	4° Π 06'38			-12575 Aug 31 j 07:04	0° \mathcal{B}	
evening rise	-12576 Sep 04 j 19:29	26° Π 32'07		evening max el	-12575 Sep 06 j 06:24	7° \mathcal{B} 36'12	18°40'50
	-12576 Sep 06 j 20:10	0° \mathcal{B}		retrograde	-12575 Sep 12 j 23:43	11° \mathcal{B} 21'07	
evening max el	-12576 Sep 22 j 17:15	24° \mathcal{B} 06'56	18°14'59	asc. node	-12575 Sep 15 j 06:03	10° \mathcal{B} 52'22	
asc. node	-12576 Sep 28 j 08:58	27° \mathcal{B} 36'47		evening set	-12575 Sep 15 j 22:31	10° \mathcal{B} 32'27	
retrograde	-12576 Sep 29 j 07:58	27° \mathcal{B} 41'36		inferior conj	-12575 Sep 21 j 22:16	4° \mathcal{B} 51'27	1°59'43
evening set	-12576 Oct 02 j 00:33	27° \mathcal{B} 04'04		minimum elong	-12575 Sep 21 j 19:33	4° \mathcal{B} 59'32	1°59'35
inferior conj	-12576 Oct 08 j 09:40	21° \mathcal{B} 38'37	2°49'43	min. Earth dist.	-12575 Sep 23 j 16:58	2° \mathcal{B} 44'48	0.64813 AU
minimum elong	-12576 Oct 08 j 06:03	21° \mathcal{B} 48'26	2°49'25		-12575 Sep 26 j 05:32	30° $\mathcal{R}\Pi$	
min. Earth dist.	-12576 Oct 10 j 17:09	19° \mathcal{B} 08'36	0.63451 AU	morning rise	-12575 Sep 27 j 16:01	28° Π 41'39	
morning rise	-12576 Oct 14 j 10:39	15° \mathcal{B} 40'06		direct	-12575 Oct 04 j 06:33	25° Π 59'04	
direct	-12576 Oct 21 j 09:47	12° \mathcal{B} 58'54			-12575 Oct 13 j 11:54	0° \mathcal{B}	
morning max el	-12576 Nov 03 j 23:50	20° \mathcal{B} 31'02	27°29'35	morning max el	-12575 Oct 17 j 09:44	3° \mathcal{B} 28'21	26°57'49
	-12576 Nov 12 j 07:52	0° \mathcal{Q}		desc. node	-12575 Nov 02 j 09:56	23° \mathcal{B} 32'00	
desc. node	-12576 Nov 15 j 13:17	4° \mathcal{Q} 17'55			-12575 Nov 06 j 16:12	0° \mathcal{Q}	
	-12576 Dec 01 j 15:11	0° \mathcal{P}		morning set	-12575 Nov 21 j 20:24	26° \mathcal{Q} 26'48	
morning set	-12576 Dec 08 j 06:58	12° \mathcal{P} 40'29			-12575 Nov 23 j 16:14	0° \mathcal{P}	
max. Earth dist.	-12576 Dec 13 j 14:04	23° \mathcal{P} 33'11	1.33580 AU	max. Earth dist.	-12575 Nov 26 j 11:03	5° \mathcal{P} 33'44	1.34580 AU
superior conj	-12576 Dec 15 j 23:03	28° \mathcal{P} 36'06	-1°15'33	superior conj	-12575 Nov 30 j 03:38	13° \mathcal{P} 10'14	-1°28'04

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12575 Nov 30 j 05:16	13° \mathbb{M} 18'44	1°27'42	superior conj	-12574 Nov 14 j 01:21	27° Ω 19'12	-1°35'31
evening rise	-12575 Dec 07 j 12:12	28° \mathbb{M} 38'49		minimum elong	-12574 Nov 14 j 02:05	27° Ω 22'56	1°35'04
	-12575 Dec 08 j 03:53	0° $\underline{\mathbf{A}}$			-12574 Nov 15 j 09:00	0° \mathbb{M}	
asc. node	-12575 Dec 12 j 04:02	8° $\underline{\mathbf{A}}$ 01'44		evening rise	-12574 Nov 21 j 19:32	13° \mathbb{M} 14'03	
	-12575 Dec 26 j 15:51	0° \mathbb{M}		asc. node	-12574 Nov 29 j 01:26	27° \mathbb{M} 16'23	
evening max el	-12575 Dec 28 j 00:35	1° \mathbb{M} 20'36	21°37'51		-12574 Nov 30 j 15:07	0° $\underline{\mathbf{A}}$	
retrograde	-12574 Jan 08 j 23:22	6° \mathbb{M} 59'17		evening max el	-12574 Dec 10 j 06:05	12° $\underline{\mathbf{A}}$ 49'36	20°17'34
evening set	-12574 Jan 11 j 22:56	6° \mathbb{M} 39'17		retrograde	-12574 Dec 20 j 15:50	17° $\underline{\mathbf{A}}$ 42'50	
inferior conj	-12574 Jan 20 j 23:04	2° \mathbb{M} 37'49	2°06'55	evening set	-12574 Dec 23 j 07:37	17° $\underline{\mathbf{A}}$ 25'06	
minimum elong	-12574 Jan 21 j 04:01	2° \mathbb{M} 30'45	2°05'04	inferior conj	-12574 Dec 31 j 23:08	13° $\underline{\mathbf{A}}$ 24'11	3°27'46
min. Earth dist.	-12574 Jan 21 j 06:00	2° \mathbb{M} 27'56	0.55475 AU	minimum elong	-12573 Jan 01 j 04:35	13° $\underline{\mathbf{A}}$ 15'56	3°26'32
	-12574 Jan 25 j 21:17	30° \mathbb{R} $\underline{\mathbf{A}}$		min. Earth dist.	-12573 Jan 02 j 19:00	12° \mathbb{A} 18'07	0.56006 AU
desc. node	-12574 Jan 29 j 12:07	28° $\underline{\mathbf{A}}$ 40'30		morning rise	-12573 Jan 09 j 23:55	8° $\underline{\mathbf{A}}$ 56'23	
morning rise	-12574 Jan 30 j 08:47	28° $\underline{\mathbf{A}}$ 28'37		direct	-12573 Jan 13 j 19:44	8° $\underline{\mathbf{A}}$ 24'08	
direct	-12574 Feb 02 j 02:14	28° $\underline{\mathbf{A}}$ 11'56		desc. node	-12573 Jan 16 j 08:45	8° $\underline{\mathbf{A}}$ 38'51	
	-12574 Feb 08 j 20:50	0° \mathbb{M}		morning max el	-12573 Jan 27 j 07:36	15° $\underline{\mathbf{A}}$ 04'52	23°24'06
morning max el	-12574 Feb 14 j 12:42	4° \mathbb{M} 13'07	21°49'12		-12573 Feb 07 j 21:23	0° \mathbb{M}	
	-12574 Mar 03 j 16:21	0° \mathbb{A}		morning set	-12573 Feb 19 j 17:53	22° \mathbb{M} 14'31	
morning set	-12574 Mar 07 j 06:07	7° \mathbb{A} 13'47			-12573 Feb 23 j 09:36	0° \mathbb{A}	
asc. node	-12574 Mar 10 j 01:38	13° \mathbb{A} 06'34		asc. node	-12573 Feb 24 j 22:48	3° \mathbb{A} 19'37	
superior conj	-12574 Mar 14 j 15:08	22° \mathbb{A} 42'06	0°41'18	superior conj	-12573 Feb 26 j 20:29	7° \mathbb{A} 24'15	0°17'46
minimum elong	-12574 Mar 14 j 13:22	22° \mathbb{A} 32'58	0°40'12	minimum elong	-12573 Feb 26 j 19:45	7° \mathbb{A} 20'20	0°16'54
max. Earth dist.	-12574 Mar 18 j 00:49	29° \mathbb{A} 43'03	1.34769 AU	max. Earth dist.	-12573 Mar 01 j 02:20	12° \mathbb{A} 10'02	1.33780 AU
	-12574 Mar 18 j 04:09	0° \mathbb{B}		evening rise	-12573 Mar 06 j 13:26	23° \mathbb{A} 22'18	
evening rise	-12574 Mar 22 j 20:56	9° \mathbb{B} 17'42			-12573 Mar 09 j 23:19	0° \mathbb{B}	
	-12574 Apr 03 j 11:21	0° \approx			-12573 Mar 28 j 03:34	0° \approx	
	-12574 Apr 25 j 06:06	0° \mathbb{H}		evening max el	-12573 Apr 09 j 06:28	14° \approx 36'44	27°26'04
evening max el	-12574 Apr 26 j 20:09	1° \mathbb{H} 36'45	27°01'23	desc. node	-12573 Apr 14 j 09:05	18° \approx 55'56	
desc. node	-12574 Apr 27 j 11:48	2° \mathbb{H} 14'37		retrograde	-12573 Apr 22 j 23:21	22° \approx 12'06	
retrograde	-12574 May 10 j 02:31	9° \mathbb{H} 08'16		evening set	-12573 Apr 29 j 21:40	19° \approx 36'20	
evening set	-12574 May 16 j 20:43	6° \mathbb{H} 22'22		min. Earth dist.	-12573 May 03 j 13:55	16° \approx 16'50	0.63531 AU
min. Earth dist.	-12574 May 20 j 16:36	2° \mathbb{H} 30'37	0.65024 AU	inferior conj	-12573 May 06 j 04:03	13° \approx 32'20	-3°22'58
inferior conj	-12574 May 22 j 16:08	0° \mathbb{H} 11'31	-3°13'20	minimum elong	-12573 May 06 j 04:26	13° \approx 31'18	3°23'33
minimum elong	-12574 May 22 j 17:41	0° \mathbb{H} 06'59	3°13'33	morning rise	-12573 May 12 j 12:07	8° \approx 13'17	
	-12574 May 22 j 20:04	30° \mathbb{R} \approx		direct	-12573 May 15 j 07:38	7° \approx 33'22	
morning rise	-12574 May 28 j 15:00	24° \approx 35'11		morning max el	-12573 May 21 j 19:16	10° \approx 57'19	18°07'25
direct	-12574 May 31 j 15:59	23° \approx 44'15		asc. node	-12573 May 23 j 22:39	13° \approx 20'27	
asc. node	-12574 Jun 06 j 01:55	26° \approx 14'11			-12573 Jun 03 j 17:26	0° \mathbb{H}	
morning max el	-12574 Jun 07 j 06:00	27° \approx 20'22	18°29'47	morning set	-12573 Jun 08 j 10:11	8° \mathbb{H} 05'14	
	-12574 Jun 09 j 14:26	0° \mathbb{H}		superior conj	-12573 Jun 21 j 06:42	29° \mathbb{H} 47'20	1°37'08
morning set	-12574 Jun 26 j 22:22	26° \mathbb{H} 58'13		minimum elong	-12573 Jun 21 j 11:31	0° \mathbb{Y} 07'06	1°36'49
	-12574 Jun 28 j 18:35	0° \mathbb{Y}			-12573 Jun 21 j 09:47	0° \mathbb{Y}	
superior conj	-12574 Jul 11 j 15:38	20° \mathbb{Y} 49'15	1°09'23	max. Earth dist.	-12573 Jun 26 j 14:29	8° \mathbb{Y} 26'11	1.43715 AU
minimum elong	-12574 Jul 11 j 22:12	21° \mathbb{Y} 15'26	1°09'01	evening rise	-12573 Jul 07 j 10:35	25° \mathbb{Y} 32'29	
max. Earth dist.	-12574 Jul 13 j 23:57	24° \mathbb{Y} 33'07	1.44461 AU		-12573 Jul 10 j 07:42	0° \mathbb{B}	
	-12574 Jul 17 j 10:33	0° \mathbb{B}		desc. node	-12573 Jul 11 j 05:39	1° \mathbb{B} 24'32	
desc. node	-12574 Jul 24 j 08:08	10° \mathbb{B} 52'14			-12573 Jul 30 j 20:54	0° \mathbb{H}	
evening rise	-12574 Jul 28 j 05:42	17° \mathbb{B} 00'03		evening max el	-12573 Aug 03 j 20:22	4° \mathbb{H} 35'02	20°21'24
	-12574 Aug 05 j 12:54	0° \mathbb{H}		retrograde	-12573 Aug 11 j 16:00	9° \mathbb{H} 08'22	
evening max el	-12574 Aug 20 j 16:14	21° \mathbb{H} 07'03	19°23'24	evening set	-12573 Aug 15 j 09:49	7° \mathbb{H} 47'39	
retrograde	-12574 Aug 27 j 19:13	25° \mathbb{H} 11'20		asc. node	-12573 Aug 19 j 23:56	2° \mathbb{H} 52'05	
evening set	-12574 Aug 31 j 02:27	24° \mathbb{H} 08'14		inferior conj	-12573 Aug 20 j 20:13	1° \mathbb{H} 44'33	0°15'49
asc. node	-12574 Sep 02 j 03:02	22° \mathbb{H} 29'44		minimum elong	-12573 Aug 20 j 19:51	1° \mathbb{H} 45'47	0°16'22
inferior conj	-12574 Sep 05 j 18:36	18° \mathbb{H} 14'40	1°07'34	transit middle	-12573 Aug 20 j 19:51	1° \mathbb{H} 45'47	0°16'22
minimum elong	-12574 Sep 05 j 17:02	18° \mathbb{H} 19'37	1°07'46	transit begin	-12573 Aug 20 j 19:45	1° \mathbb{H} 46'10	
min. Earth dist.	-12574 Sep 07 j 01:07	16° \mathbb{H} 37'24	0.65869 AU	transit end	-12573 Aug 20 j 19:58	1° \mathbb{H} 45'25	
morning rise	-12574 Sep 11 j 07:17	11° \mathbb{H} 57'14		min. Earth dist.	-12573 Aug 21 j 15:32	0° \mathbb{H} 39'54	0.66616 AU
direct	-12574 Sep 17 j 09:15	9° \mathbb{H} 23'02			-12573 Aug 22 j 03:34	30° \mathbb{R} \mathbb{B}	
morning max el	-12574 Sep 29 j 20:01	16° \mathbb{H} 39'34	26°00'39	morning rise	-12573 Aug 26 j 05:42	25° \mathbb{B} 23'23	
	-12574 Oct 11 j 01:08	0° \mathbb{B}		direct	-12573 Aug 31 j 17:31	23° \mathbb{B} 03'32	
desc. node	-12574 Oct 20 j 06:41	13° \mathbb{B} 17'20			-12573 Sep 12 j 07:47	0° \mathbb{H}	
	-12574 Oct 30 j 12:57	0° Ω		morning max el	-12573 Sep 12 j 06:01	29° \mathbb{B} 55'30	24°46'16
morning set	-12574 Nov 04 j 20:04	9° Ω 27'30			-12573 Oct 04 j 22:49	0° \mathbb{B}	
max. Earth dist.	-12574 Nov 08 j 21:39	17° Ω 07'28	1.36005 AU	desc. node	-12573 Oct 07 j 03:34	3° \mathbb{B} 24'55	
				morning set	-12573 Oct 18 j 01:01	21° \mathbb{B} 29'28	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12573 Oct 21 j 23:38	28° ☿ 32'29	1.37782 AU				
	-12573 Oct 22 j 18:44	0° ♊		morning set	-12572 Sep 26 j 20:27	0° ☿	
				max. Earth dist.	-12572 Sep 28 j 06:01	2° ☿ 18'56	
					-12572 Oct 02 j 22:26	10° ☿ 16'22	1.39749 AU
superior conj	-12573 Oct 28 j 12:56	10° ♊ 53'35	-1°36'20				
minimum elong	-12573 Oct 28 j 12:15	10° ♊ 50'14	1°35'43	superior conj	-12572 Oct 10 j 10:04	23° ☿ 40'30	-1°28'34
evening rise	-12573 Nov 05 j 22:05	27° ♊ 30'19		minimum elong	-12572 Oct 10 j 07:36	23° ☿ 29'06	1°27'41
	-12573 Nov 07 j 04:17	0° ♋			-12572 Oct 13 j 19:12	0° ♊	
asc. node	-12573 Nov 15 j 22:48	15° ♋ 57'38		evening rise	-12572 Oct 19 j 17:14	11° ♊ 20'03	
evening max el	-12573 Nov 22 j 21:57	24° ♋ 53'31	19°15'12		-12572 Oct 30 j 02:40	0° ♋	
retrograde	-12573 Dec 01 j 20:42	29° ♋ 09'08		asc. node	-12572 Nov 01 j 20:09	3° ♋ 53'53	
evening set	-12573 Dec 04 j 08:58	28° ♋ 50'28		evening max el	-12572 Nov 04 j 23:22	7° ♋ 28'50	18°32'54
inferior conj	-12573 Dec 12 j 12:39	24° ♋ 36'38	4°10'14	retrograde	-12572 Nov 12 j 18:42	11° ♋ 18'35	
minimum elong	-12573 Dec 12 j 14:59	24° ♋ 32'39	4°10'09	evening set	-12572 Nov 15 j 05:47	10° ♋ 57'02	
min. Earth dist.	-12573 Dec 15 j 08:41	22° ♋ 41'25	0.57252 AU	inferior conj	-12572 Nov 22 j 20:52	6° ♋ 23'28	4°15'35
morning rise	-12573 Dec 20 j 18:56	19° ♋ 44'33		minimum elong	-12572 Nov 22 j 19:35	6° ♋ 25'59	4°15'51
direct	-12573 Dec 25 j 23:12	18° ♋ 42'33		min. Earth dist.	-12572 Nov 26 j 01:30	3° ♋ 54'12	0.58951 AU
desc. node	-12572 Jan 03 j 05:22	21° ♋ 17'43		morning rise	-12572 Nov 30 j 07:33	1° ♋ 09'12	
morning max el	-12572 Jan 08 j 22:27	25° ♋ 47'18	24°59'24		-12572 Dec 03 j 03:31	30° ♋	
	-12572 Jan 12 j 21:40	0° ♌		direct	-12572 Dec 06 j 14:40	29° ♊ 29'30	
	-12572 Jan 31 j 16:32	0° ♍			-12572 Dec 10 j 03:02	0° ♋	
morning set	-12572 Feb 04 j 06:27	7° ♍ 20'07		desc. node	-12572 Dec 20 j 01:57	6° ♋ 14'24	
				morning max el	-12572 Dec 20 j 15:32	6° ♋ 46'23	26°20'16
superior conj	-12572 Feb 11 j 05:53	22° ♍ 21'01	-0°05'35		-12571 Jan 06 j 23:23	0° ♌	
minimum elong	-12572 Feb 11 j 06:09	22° ♍ 22'23	0°06'08	morning set	-12571 Jan 18 j 17:57	22° ♌ 22'32	
behind sun begin	-12572 Feb 11 j 01:27	21° ♍ 56'54			-12571 Jan 22 j 07:47	0° ♍	
behind sun end	-12572 Feb 11 j 10:51	22° ♍ 47'52					
asc. node	-12572 Feb 11 j 20:05	23° ♍ 37'55		superior conj	-12571 Jan 25 j 17:23	7° ♍ 24'21	-0°27'53
max. Earth dist.	-12572 Feb 12 j 11:10	24° ♍ 59'24	1.33134 AU	minimum elong	-12571 Jan 25 j 18:28	7° ♍ 30'20	0°28'07
	-12572 Feb 14 j 19:16	0° ♎		max. Earth dist.	-12571 Jan 25 j 23:53	7° ♍ 59'49	1.32819 AU
evening rise	-12572 Feb 18 j 14:11	7° ♎ 53'37		asc. node	-12571 Jan 28 j 17:25	13° ♍ 56'14	
	-12572 Mar 01 j 11:08	0° ♏		evening rise	-12571 Feb 01 j 20:25	22° ♍ 41'14	
evening max el	-12572 Mar 21 j 14:04	27° ♏ 09'25	27°19'24		-12571 Feb 05 j 11:17	0° ♎	
	-12572 Mar 24 j 18:59	0° ♐			-12571 Feb 23 j 17:27	0° ♏	
desc. node	-12572 Mar 31 j 06:15	3° ♐ 52'51		evening max el	-12571 Mar 03 j 17:04	9° ♏ 06'49	26°40'07
retrograde	-12572 Apr 04 j 13:44	4° ♐ 42'30		retrograde	-12571 Mar 17 j 20:06	16° ♏ 31'48	
evening set	-12572 Apr 11 j 07:56	2° ♐ 29'54		desc. node	-12571 Mar 18 j 03:19	16° ♏ 31'34	
	-12572 Apr 14 j 13:35	30° ♏		evening set	-12571 Mar 24 j 00:30	14° ♏ 52'02	
min. Earth dist.	-12572 Apr 15 j 02:19	29° ♏ 31'40	0.61718 AU	min. Earth dist.	-12571 Mar 28 j 06:32	12° ♏ 00'56	0.59737 AU
inferior conj	-12572 Apr 18 j 04:42	26° ♏ 37'05	-3°16'54	inferior conj	-12571 Mar 31 j 14:29	9° ♏ 17'23	-2°49'46
minimum elong	-12572 Apr 18 j 03:27	26° ♏ 40'02	3°17'31	minimum elong	-12571 Mar 31 j 11:37	9° ♏ 23'19	2°50'04
morning rise	-12572 Apr 25 j 00:46	21° ♏ 36'59		morning rise	-12571 Apr 08 j 01:26	4° ♏ 36'52	
direct	-12572 Apr 27 j 15:29	21° ♏ 06'39		direct	-12571 Apr 10 j 11:35	4° ♏ 14'39	
morning max el	-12572 May 04 j 09:06	24° ♏ 29'57	18°03'18	morning max el	-12571 Apr 17 j 20:41	7° ♏ 50'14	18°18'08
	-12572 May 08 j 21:18	0° ♑		asc. node	-12571 Apr 26 j 16:22	20° ♏ 04'11	
asc. node	-12572 May 09 j 19:29	1° ♑ 21'20			-12571 May 02 j 04:22	0° ♑	
morning set	-12572 May 20 j 19:56	20° ♑ 15'46		morning set	-12571 May 03 j 22:53	3° ♑ 19'21	
	-12572 May 26 j 06:05	0° ♒					
superior conj	-12572 May 31 j 23:54	10° ♒ 02'48	1°48'26	superior conj	-12571 May 13 j 18:54	21° ♑ 35'53	1°46'02
minimum elong	-12572 Jun 01 j 00:54	10° ♒ 07'07	1°48'09	minimum elong	-12571 May 13 j 17:06	21° ♑ 27'46	1°45'29
max. Earth dist.	-12572 Jun 07 j 23:43	21° ♒ 48'40	1.42392 AU		-12571 May 18 j 12:25	0° ♒	
	-12572 Jun 13 j 00:51	0° ♓		max. Earth dist.	-12571 May 21 j 03:21	4° ♒ 31'27	1.40678 AU
evening rise	-12572 Jun 15 j 12:01	3° ♓ 55'07		evening rise	-12571 May 26 j 07:55	13° ♒ 12'36	
desc. node	-12572 Jun 27 j 03:12	21° ♓ 46'38			-12571 Jun 05 j 23:11	0° ♓	
	-12572 Jul 02 j 17:52	0° ♈		desc. node	-12571 Jun 14 j 00:44	11° ♓ 53'38	
evening max el	-12572 Jul 16 j 17:31	17° ♈ 58'30	21°32'24		-12571 Jun 28 j 02:00	0° ♈	
retrograde	-12572 Jul 25 j 12:07	23° ♈ 09'20		evening max el	-12571 Jun 29 j 08:16	1° ♈ 18'56	22°52'15
evening set	-12572 Jul 29 j 18:26	21° ♈ 28'30		retrograde	-12571 Jul 09 j 05:59	7° ♈ 11'46	
inferior conj	-12572 Aug 04 j 01:07	15° ♈ 18'47	-0°33'45	evening set	-12571 Jul 14 j 02:20	5° ♈ 09'39	
minimum elong	-12572 Aug 04 j 01:48	15° ♈ 16'24	0°32'57		-12571 Jul 18 j 12:49	30° ♓	
min. Earth dist.	-12572 Aug 04 j 09:50	14° ♈ 48'46	0.67073 AU	inferior conj	-12571 Jul 19 j 07:25	28° ♓ 55'52	-1°19'41
asc. node	-12572 Aug 05 j 20:48	12° ♈ 50'39		minimum elong	-12571 Jul 19 j 08:56	28° ♓ 50'36	1°18'47
morning rise	-12572 Aug 09 j 09:03	8° ♈ 57'49		min. Earth dist.	-12571 Jul 19 j 05:31	29° ♓ 02'25	0.67239 AU
direct	-12572 Aug 14 j 06:52	6° ♈ 55'13		asc. node	-12571 Jul 23 j 17:37	23° ♓ 27'25	
morning max el	-12572 Aug 24 j 16:35	13° ♈ 11'09	23°23'21	morning rise	-12571 Jul 24 j 15:26	22° ♓ 39'01	
	-12572 Sep 07 j 03:58	0° ♉		direct	-12571 Jul 29 j 00:24	20° ♓ 54'24	
desc. node	-12572 Sep 23 j 00:32	23° ♉ 47'30		morning max el	-12571 Aug 07 j 06:15	26° ♓ 27'47	22°00'24
					-12571 Aug 10 j 10:31	0° ♉	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12571 Aug 31 j 18:15	0°♊		desc. node	-12570 Aug 27 j 18:47	4°♊58'33	
morning set	-12571 Sep 08 j 08:46	11°♊52'32		max. Earth dist.	-12570 Aug 28 j 09:16	5°♊57'01	1.43220 AU
desc. node	-12571 Sep 09 j 21:38	14°♊20'13					
max. Earth dist.	-12571 Sep 15 j 00:38	22°♊43'20	1.41652 AU	superior conj	-12570 Sep 03 j 10:58	15°♊54'29	-0°39'14
	-12571 Sep 19 j 08:06	0°♋		minimum elong	-12570 Sep 03 j 07:32	15°♊40'14	0°38'04
					-12570 Sep 11 j 17:46	0°♋	
superior conj	-12571 Sep 22 j 11:18	5°♋25'48	-1°10'01	evening rise	-12570 Sep 15 j 19:12	7°♋05'33	
minimum elong	-12571 Sep 22 j 07:25	5°♋08'47	1°08'51		-12570 Sep 29 j 16:44	0°♌	
evening rise	-12571 Oct 03 j 01:44	24°♋35'21		evening max el	-12570 Oct 02 j 20:33	3°♌44'33	18°08'06
	-12571 Oct 06 j 00:25	0°♌		asc. node	-12570 Oct 06 j 14:36	6°♌34'40	
evening max el	-12571 Oct 19 j 07:56	20°♌28'39	18°10'47	retrograde	-12570 Oct 09 j 12:50	7°♌17'03	
asc. node	-12571 Oct 19 j 17:24	20°♌51'36		evening set	-12570 Oct 12 j 03:02	6°♌44'19	
retrograde	-12571 Oct 26 j 09:15	24°♌04'29		inferior conj	-12570 Oct 18 j 18:10	1°♌28'49	3°16'03
evening set	-12571 Oct 28 j 20:57	23°♌38'19		minimum elong	-12570 Oct 18 j 14:19	1°♌38'38	3°15'47
inferior conj	-12571 Nov 04 j 23:38	18°♌43'07	3°54'06		-12570 Oct 20 j 04:52	30°♌♍	
minimum elong	-12571 Nov 04 j 20:16	18°♌50'43	3°54'05	min. Earth dist.	-12570 Oct 21 j 08:38	28°♌50'14	0.62545 AU
min. Earth dist.	-12571 Nov 08 j 00:31	15°♌59'59	0.60798 AU	morning rise	-12570 Oct 25 j 00:35	25°♌38'41	
morning rise	-12571 Nov 11 j 18:11	13°♌09'41		direct	-12570 Nov 01 j 01:50	23°♌04'14	
direct	-12571 Nov 18 j 16:14	10°♌56'43			-12570 Nov 14 j 05:39	0°♎	
morning max el	-12571 Dec 02 j 14:36	18°♌20'31	27°13'55	morning max el	-12570 Nov 14 j 19:46	0°♎33'37	27°33'53
desc. node	-12571 Dec 06 j 22:34	22°♌55'57		desc. node	-12570 Nov 23 j 19:10	10°♎52'57	
	-12571 Dec 12 j 12:51	0°♏			-12570 Dec 06 j 12:04	0°♏	
	-12571 Dec 30 j 12:12	0°♐		morning set	-12570 Dec 18 j 05:50	21°♏49'23	
morning set	-12570 Jan 03 j 02:27	7°♐14'49			-12570 Dec 22 j 04:32	0°♑	
max. Earth dist.	-12570 Jan 09 j 12:58	20°♐59'13	1.32836 AU	max. Earth dist.	-12570 Dec 23 j 22:46	3°♑44'54	1.33199 AU
superior conj	-12570 Jan 10 j 05:14	22°♑27'56	-0°48'26	superior conj	-12570 Dec 25 j 15:46	7°♑25'38	-1°06'33
minimum elong	-12570 Jan 10 j 06:56	22°♑37'13	0°48'27	minimum elong	-12570 Dec 25 j 17:46	7°♑36'26	1°06'23
	-12570 Jan 13 j 16:14	0°♒		evening rise	-12569 Jan 01 j 17:06	22°♑36'00	
asc. node	-12570 Jan 15 j 14:46	4°♒10'16		asc. node	-12569 Jan 02 j 12:08	24°♑15'32	
evening rise	-12570 Jan 17 j 05:59	7°♒37'33			-12569 Jan 05 j 07:49	0°♓	
	-12570 Jan 29 j 02:10	0°♓			-12569 Jan 24 j 21:42	0°♓	
evening max el	-12570 Feb 13 j 14:37	20°♓28'20	25°31'48	evening max el	-12569 Jan 26 j 08:15	1°♓25'07	24°04'00
retrograde	-12570 Feb 27 j 15:57	27°♓37'55		retrograde	-12569 Feb 08 j 23:38	8°♓09'18	
evening set	-12570 Mar 04 j 22:17	26°♓32'17		evening set	-12569 Feb 13 j 04:36	7°♓30'01	
desc. node	-12570 Mar 05 j 00:18	26°♓30'12		desc. node	-12569 Feb 19 j 21:12	4°♓15'09	
min. Earth dist.	-12570 Mar 10 j 04:13	23°♓34'52	0.57849 AU	min. Earth dist.	-12569 Feb 19 j 21:33	4°♓14'37	0.56358 AU
inferior conj	-12570 Mar 13 j 05:58	21°♓24'25	-1°55'45	inferior conj	-12569 Feb 22 j 01:46	2°♓53'30	-0°32'57
minimum elong	-12570 Mar 13 j 02:37	21°♓30'24	1°55'41	minimum elong	-12569 Feb 22 j 00:27	2°♓55'32	0°33'15
morning rise	-12570 Mar 21 j 10:09	17°♓02'41			-12569 Feb 27 j 05:23	30°♓♌	
direct	-12570 Mar 23 j 16:02	16°♓46'44		morning rise	-12569 Mar 02 j 23:02	28°♓46'19	
morning max el	-12570 Apr 01 j 02:59	20°♓48'36	18°52'25	direct	-12569 Mar 05 j 02:38	28°♓34'01	
	-12570 Apr 08 j 05:27	0°♔			-12569 Mar 10 j 14:44	0°♔	
asc. node	-12570 Apr 13 j 13:17	9°♔18'45		morning max el	-12569 Mar 15 j 01:04	3°♔16'19	19°46'28
morning set	-12570 Apr 17 j 14:30	17°♔04'28		asc. node	-12569 Mar 31 j 10:16	28°♔57'34	
	-12570 Apr 24 j 05:41	0°♕			-12569 Mar 31 j 22:48	0°♕	
				morning set	-12569 Apr 01 j 15:09	1°♕21'42	
superior conj	-12570 Apr 26 j 10:37	4°♕13'07	1°34'04				
minimum elong	-12570 Apr 26 j 07:39	3°♕59'02	1°33'10	superior conj	-12569 Apr 09 j 17:51	17°♕30'41	1°16'03
max. Earth dist.	-12570 May 03 j 03:48	16°♕36'17	1.38809 AU	minimum elong	-12569 Apr 09 j 14:54	17°♕26'02	1°14'55
evening rise	-12570 May 07 j 07:11	23°♕52'09		max. Earth dist.	-12569 Apr 15 j 06:07	28°♕20'02	1.37021 AU
	-12570 May 10 j 22:12	0°♖			-12569 Apr 16 j 03:27	0°♖	
	-12570 May 30 j 17:04	0°♗		evening rise	-12569 Apr 19 j 07:41	5°♖49'39	
desc. node	-12570 May 31 j 22:16	1°♗38'39			-12569 May 03 j 19:42	0°♖	
evening max el	-12570 Jun 11 j 18:57	14°♗38'46	24°14'42	desc. node	-12569 May 18 j 19:46	20°♖52'50	
retrograde	-12570 Jun 22 j 20:29	21°♗11'53		evening max el	-12569 May 25 j 04:32	28°♖00'10	25°31'41
evening set	-12570 Jun 28 j 07:37	18°♗49'31			-12569 May 27 j 07:15	0°♗	
min. Earth dist.	-12570 Jul 03 j 00:10	13°♗18'35	0.67093 AU	retrograde	-12569 Jun 06 j 06:57	5°♗05'37	
inferior conj	-12570 Jul 03 j 13:19	12°♗33'51	-2°00'41	evening set	-12569 Jun 12 j 08:16	2°♗27'12	
minimum elong	-12570 Jul 03 j 15:23	12°♗26'51	1°59'54		-12569 Jun 14 j 16:58	30°♗♘	
morning rise	-12570 Jul 08 j 23:06	6°♗24'41		min. Earth dist.	-12569 Jun 16 j 15:28	27°♗35'10	0.66596 AU
asc. node	-12570 Jul 10 j 14:22	5°♗26'30		inferior conj	-12569 Jun 17 j 17:04	26°♗11'35	-2°35'25
direct	-12570 Jul 12 j 20:48	4°♗57'23		minimum elong	-12569 Jun 17 j 19:18	26°♗04'17	2°34'55
morning max el	-12570 Jul 21 j 01:26	9°♗48'46	20°44'17	morning rise	-12569 Jun 23 j 06:22	20°♗13'11	
	-12570 Aug 05 j 04:34	0°♘		direct	-12569 Jun 26 j 18:36	19°♗01'39	
morning set	-12570 Aug 18 j 15:48	20°♘31'35		asc. node	-12569 Jun 27 j 11:06	19°♗04'17	
	-12570 Aug 24 j 16:15	0°♙		morning max el	-12569 Jul 04 j 03:13	23°♗17'02	19°39'57

	-12569 Jul 09 j 15:25	0° Υ				-12568 Jul 02 j 11:53	0° Υ		
morning set	-12569 Jul 28 j 20:39	29° Υ 06'30			morning set	-12568 Jul 07 j 17:35	8° Υ 25'58		
	-12569 Jul 29 j 10:20	0° C				-12568 Jul 21 j 05:55	0° C		
max. Earth dist.	-12569 Aug 10 j 23:16	19° C 44'56	1.44236 AU						
					superior conj	-12568 Jul 23 j 09:10	3° C 22'52	0°46'49	
superior conj	-12569 Aug 14 j 07:12	25° C 04'01	0°02'13		minimum elong	-12568 Jul 23 j 14:27	3° C 43'47	0°46'39	
minimum elong	-12569 Aug 14 j 07:31	25° C 05'19	0°02'50		max. Earth dist.	-12568 Jul 23 j 15:32	3° C 48'03	1.44576 AU	
behind sun begin	-12569 Aug 13 j 20:39	24° C 21'46			desc. node	-12568 Jul 31 j 13:27	16° C 20'09		
behind sun end	-12569 Aug 14 j 18:24	25° C 48'55			evening rise	-12568 Aug 08 j 11:41	28° C 58'31		
desc. node	-12569 Aug 14 j 16:04	25° C 39'35				-12568 Aug 09 j 03:03	0° II		
	-12569 Aug 17 j 08:43	0° II				-12568 Aug 29 j 06:50	0° C		
evening rise	-12569 Aug 28 j 16:20	18° II 37'58			evening max el	-12568 Aug 29 j 22:17	0° C 40'50	18°56'59	
	-12569 Sep 04 j 11:51	0° C			retrograde	-12568 Sep 05 j 19:04	4° C 33'18		
evening max el	-12569 Sep 16 j 10:16	17° C 10'14	18°23'50		evening set	-12568 Sep 08 j 21:03	3° C 39'05		
retrograde	-12569 Sep 23 j 01:16	20° C 48'28			asc. node	-12568 Sep 09 j 08:44	3° C 20'48		
asc. node	-12569 Sep 23 j 11:43	20° C 47'26				-12568 Sep 12 j 22:40	30° R II		
evening set	-12569 Sep 25 j 20:12	20° C 06'32			inferior conj	-12568 Sep 14 j 17:21	27° II 52'19	1°37'43	
inferior conj	-12569 Oct 02 j 01:06	14° C 33'48	2°28'57		minimum elong	-12568 Sep 14 j 15:07	27° II 59'12	1°37'42	
minimum elong	-12569 Oct 01 j 21:49	14° C 43'06	2°28'42		min. Earth dist.	-12568 Sep 16 j 06:47	25° II 57'25	0.65291 AU	
min. Earth dist.	-12569 Oct 04 j 03:01	12° C 12'54	0.64062 AU		morning rise	-12568 Sep 20 j 08:39	21° II 38'31		
morning rise	-12569 Oct 07 j 22:41	8° C 29'52			direct	-12568 Sep 26 j 18:05	18° II 58'25		
direct	-12569 Oct 14 j 18:36	5° C 47'01			morning max el	-12568 Oct 09 j 15:21	26° II 24'41	26°36'13	
morning max el	-12569 Oct 28 j 04:55	13° C 18'58	27°19'47			-12568 Oct 13 j 00:46	0° C		
desc. node	-12569 Nov 10 j 15:46	29° C 43'30			desc. node	-12568 Oct 27 j 12:26	19° C 12'28		
	-12569 Nov 10 j 20:24	0° Ω				-12568 Nov 03 j 09:19	0° Ω		
	-12569 Nov 28 j 23:15	0° M			morning set	-12568 Nov 14 j 09:30	19° Ω 25'52		
morning set	-12569 Dec 02 j 01:19	5° M 56'34			max. Earth dist.	-12568 Nov 18 j 18:02	27° Ω 52'37	1.35127 AU	
max. Earth dist.	-12569 Dec 07 j 01:29	16° M 04'31	1.33950 AU			-12568 Nov 19 j 19:32	0° M		
superior conj	-12569 Dec 09 j 23:06	22° M 10'21	-1°21'24		superior conj	-12568 Nov 23 j 01:07	6° M 35'13	-1°31'56	
minimum elong	-12569 Dec 10 j 01:00	22° M 20'25	1°21'07		minimum elong	-12568 Nov 23 j 02:26	6° M 42'01	1°31'33	
	-12569 Dec 13 j 15:09	0° $\underline{\text{A}}$			evening rise	-12568 Nov 30 j 13:15	22° M 13'37		
evening rise	-12569 Dec 17 j 04:03	7° $\underline{\text{A}}$ 29'47				-12568 Dec 04 j 09:43	0° $\underline{\text{A}}$		
asc. node	-12569 Dec 20 j 09:32	14° $\underline{\text{A}}$ 06'24			asc. node	-12568 Dec 06 j 06:56	3° $\underline{\text{A}}$ 36'39		
	-12569 Dec 29 j 06:37	0° M			evening max el	-12568 Dec 20 j 02:42	23° $\underline{\text{A}}$ 30		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12567 May 31 j 04:33	20° \approx 43'23		morning max el	-12566 May 14 j 12:30	4° \approx 04'35	18°03'19
	-12567 Jun 07 j 03:55	0° \mathbb{H}		asc. node	-12566 May 18 j 01:21	8° \approx 14'59	
morning set	-12567 Jun 18 j 15:09	18° \mathbb{H} 53'11			-12566 May 31 j 06:17	0° \mathbb{H}	
	-12567 Jun 25 j 07:16	0° \mathbb{Y}		morning set	-12566 May 31 j 12:59	0° \mathbb{H} 29'29	
superior conj	-12567 Jul 02 j 13:36	11° \mathbb{Y} 50'01	1°23'11	superior conj	-12566 Jun 12 j 15:16	21° \mathbb{H} 19'36	1°43'51
minimum elong	-12567 Jul 02 j 19:57	12° \mathbb{Y} 15'35	1°22'48	minimum elong	-12566 Jun 12 j 18:29	21° \mathbb{H} 33'02	1°43'35
max. Earth dist.	-12567 Jul 06 j 07:09	17° \mathbb{Y} 48'26	1.44219 AU		-12566 Jun 17 j 21:22	0° \mathbb{Y}	
	-12567 Jul 14 j 00:24	0° \mathbb{B}		max. Earth dist.	-12566 Jun 18 j 19:53	1° \mathbb{Y} 31'29	1.43219 AU
desc. node	-12567 Jul 18 j 10:57	6° \mathbb{B} 56'40		evening rise	-12566 Jun 28 j 04:35	16° \mathbb{Y} 23'56	
evening rise	-12567 Jul 19 j 04:00	8° \mathbb{B} 03'07		desc. node	-12566 Jul 05 j 08:30	27° \mathbb{Y} 25'34	
greatest brilliancy	-12567 Jul 31 j 01:53	26° \mathbb{B} 25'16	-0.7m		-12566 Jul 07 j 01:16	0° \mathbb{B}	
	-12567 Aug 02 j 11:15	0° \mathbb{II}		evening max el	-12566 Jul 27 j 07:20	27° \mathbb{B} 38'09	20°50'15
evening max el	-12567 Aug 13 j 05:58	14° \mathbb{II} 11'08	19°46'24		-12566 Jul 29 j 21:28	0° \mathbb{II}	
retrograde	-12567 Aug 20 j 15:18	18° \mathbb{II} 26'40		retrograde	-12566 Aug 04 j 11:54	2° \mathbb{II} 25'58	
evening set	-12567 Aug 24 j 02:44	17° \mathbb{II} 16'37		evening set	-12566 Aug 08 j 10:53	0° \mathbb{II} 56'55	
asc. node	-12567 Aug 27 j 05:43	14° \mathbb{II} 21'46			-12566 Aug 09 j 13:31	30° \mathbb{R} \mathbb{B}	
inferior conj	-12567 Aug 29 j 16:13	11° \mathbb{II} 18'56	0°45'29	inferior conj	-12566 Aug 13 j 19:28	24° \mathbb{B} 50'55	-0°05'34
minimum elong	-12567 Aug 29 j 15:10	11° \mathbb{II} 22'19	0°45'49	minimum elong	-12566 Aug 13 j 19:35	24° \mathbb{B} 50'34	0°04'54
min. Earth dist.	-12567 Aug 30 j 17:58	9° \mathbb{II} 54'54	0.66222 AU	transit middle	-12566 Aug 13 j 19:35	24° \mathbb{B} 50'34	0°04'54
morning rise	-12567 Sep 04 j 03:18	4° \mathbb{II} 59'20		transit begin	-12566 Aug 13 j 16:58	24° \mathbb{B} 59'25	
direct	-12567 Sep 09 j 23:26	2° \mathbb{II} 30'21		transit end	-12566 Aug 13 j 22:11	24° \mathbb{B} 41'44	
morning max el	-12567 Sep 22 j 01:19	9° \mathbb{II} 38'18	25°30'32	asc. node	-12566 Aug 14 j 02:37	24° \mathbb{B} 26'38	
	-12567 Oct 08 j 06:37	0° \mathbb{D}		min. Earth dist.	-12566 Aug 14 j 10:15	24° \mathbb{B} 00'44	0.66854 AU
desc. node	-12567 Oct 14 j 09:14	9° \mathbb{D} 08'12		morning rise	-12566 Aug 19 j 04:07	18° \mathbb{B} 29'35	
	-12567 Oct 26 j 22:20	0° \mathbb{Q}		direct	-12566 Aug 24 j 10:02	16° \mathbb{B} 16'44	
morning set	-12567 Oct 28 j 01:50	2° \mathbb{Q} 03'14		morning max el	-12566 Sep 04 j 11:10	22° \mathbb{B} 53'48	24°11'26
max. Earth dist.	-12567 Nov 01 j 00:02	9° \mathbb{Q} 17'32	1.36721 AU		-12566 Sep 10 j 17:02	0° \mathbb{II}	
				desc. node	-12566 Oct 01 j 06:09	29° \mathbb{II} 22'53	
superior conj	-12567 Nov 06 j 18:58	20° \mathbb{Q} 30'51	-1°36'48		-12566 Oct 01 j 15:31	0° \mathbb{D}	
minimum elong	-12567 Nov 06 j 19:10	20° \mathbb{Q} 31'48	1°36'17	morning set	-12566 Oct 09 j 21:03	13° \mathbb{D} 35'01	
	-12567 Nov 11 j 11:50	0° \mathbb{N}		max. Earth dist.	-12566 Oct 13 j 23:50	20° \mathbb{D} 46'53	1.38618 AU
evening rise	-12567 Nov 14 j 18:47	6° \mathbb{N} 41'10			-12566 Oct 19 j 00:55	0° \mathbb{Q}	
asc. node	-12567 Nov 23 j 04:19	22° \mathbb{N} 38'04					
	-12567 Nov 27 j 23:28	0° \mathbb{L}		superior conj	-12566 Oct 21 j 01:00	3° \mathbb{Q} 46'40	-1°34'14
evening max el	-12567 Dec 02 j 12:38	5° \mathbb{L} 13'56	19°48'43	minimum elong	-12566 Oct 20 j 23:34	3° \mathbb{Q} 39'53	1°33'31
retrograde	-12567 Dec 12 j 06:38	9° \mathbb{L} 49'16		evening rise	-12566 Oct 29 j 18:30	20° \mathbb{Q} 46'47	
evening set	-12567 Dec 14 j 20:39	9° \mathbb{L} 31'25			-12566 Nov 03 j 13:30	0° \mathbb{N}	
inferior conj	-12567 Dec 23 j 07:24	5° \mathbb{L} 26'42	3°50'44	asc. node	-12566 Nov 10 j 01:40	11° \mathbb{N} 01'21	
minimum elong	-12567 Dec 23 j 11:49	5° \mathbb{L} 19'44	3°50'03	evening max el	-12566 Nov 15 j 08:47	17° \mathbb{N} 31'35	18°54'39
min. Earth dist.	-12567 Dec 25 j 15:43	3° \mathbb{L} 58'07	0.56464 AU	retrograde	-12566 Nov 23 j 18:26	21° \mathbb{N} 34'25	
morning rise	-12566 Jan 01 j 00:56	0° \mathbb{L} 48'34		evening set	-12566 Nov 26 j 06:12	21° \mathbb{N} 14'33	
direct	-12566 Jan 05 j 10:50	0° \mathbb{L} 04'59		inferior conj	-12566 Dec 04 j 04:29	16° \mathbb{N} 52'35	4°16'32
desc. node	-12566 Jan 10 j 11:15	1° \mathbb{L} 02'37		minimum elong	-12566 Dec 04 j 05:10	16° \mathbb{N} 51'21	4°16'42
morning max el	-12566 Jan 19 j 04:51	6° \mathbb{L} 58'09	24°05'23	min. Earth dist.	-12566 Dec 07 j 05:57	14° \mathbb{N} 40'52	0.57945 AU
	-12566 Feb 04 j 17:11	0° \mathbb{M}		morning rise	-12566 Dec 12 j 02:14	11° \mathbb{N} 51'04	
morning set	-12566 Feb 12 j 20:43	15° \mathbb{M} 59'56		direct	-12566 Dec 17 j 19:21	10° \mathbb{N} 33'19	
asc. node	-12566 Feb 19 j 01:42	29° \mathbb{M} 17'46		desc. node	-12566 Dec 28 j 07:51	14° \mathbb{N} 43'36	
	-12566 Feb 19 j 09:31	0° \mathbb{X}		morning max el	-12566 Dec 31 j 19:42	17° \mathbb{N} 43'21	25°36'32
					-12565 Jan 11 j 00:06	0° \mathbb{L}	
superior conj	-12566 Feb 19 j 21:37	1° \mathbb{X} 05'06	0°07'48		-12565 Jan 27 j 20:39	0° \mathbb{M}	
minimum elong	-12566 Feb 19 j 21:19	1° \mathbb{X} 03'28	0°07'05	morning set	-12565 Jan 28 j 09:01	1° \mathbb{M} 04'41	
behind sun begin	-12566 Feb 19 j 16:40	0° \mathbb{X} 38'31					
behind sun end	-12566 Feb 20 j 01:57	1° \mathbb{X} 28'25		superior conj	-12565 Feb 04 j 08:04	16° \mathbb{M} 04'53	-0°15'12
max. Earth dist.	-12566 Feb 21 j 16:29	4° \mathbb{X} 54'49	1.33466 AU	minimum elong	-12565 Feb 04 j 08:42	16° \mathbb{M} 08'21	0°15'38
evening rise	-12566 Feb 27 j 10:25	16° \mathbb{X} 51'02		behind sun begin	-12565 Feb 04 j 08:09	16° \mathbb{M} 05'20	
	-12566 Mar 06 j 07:12	0° \mathbb{Z}		behind sun end	-12565 Feb 04 j 09:15	16° \mathbb{M} 11'21	
	-12566 Mar 25 j 20:08	0° \approx		max. Earth dist.	-12565 Feb 05 j 03:34	17° \mathbb{M} 50'59	1.32961 AU
evening max el	-12566 Apr 01 j 11:17	7° \approx 21'45	27°27'21	asc. node	-12565 Feb 05 j 22:58	19° \mathbb{M} 36'14	
desc. node	-12566 Apr 08 j 11:50	12° \approx 52'22			-12565 Feb 10 j 20:18	0° \mathbb{X}	
retrograde	-12566 Apr 15 j 07:36	14° \approx 56'23		evening rise	-12565 Feb 11 j 13:45	1° \mathbb{X} 30'04	
evening set	-12566 Apr 22 j 05:07	12° \approx 29'22			-12565 Feb 27 j 07:47	0° \mathbb{Z}	
min. Earth dist.	-12566 Apr 25 j 21:31	9° \approx 20'11	0.62791 AU	evening max el	-12565 Mar 14 j 17:16	19° \mathbb{Z} 40'24	27°06'41
inferior conj	-12566 Apr 28 j 17:12	6° \approx 29'25	-3°22'39	desc. node	-12565 Mar 26 j 08:59	26° \mathbb{Z} 54'45	
minimum elong	-12566 Apr 28 j 16:57	6° \approx 30'05	3°23'18	retrograde	-12565 Mar 28 j 18:25	27° \mathbb{Z} 09'55	
morning rise	-12566 May 05 j 05:59	1° \approx 17'55		evening set	-12565 Apr 04 j 08:06	25° \mathbb{Z} 10'35	
direct	-12566 May 07 j 23:24	0° \approx 42'11		min. Earth dist.	-12565 Apr 08 j 06:09	22° \mathbb{Z} 17'20	0.60883 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12565 Apr 11 j 11:59	19° Z 24'56	-3°08'22	inferior conj	-12564 Mar 23 j 14:18	1° Z 51'53	-2°30'27
minimum elong	-12565 Apr 11 j 10:00	19° Z 29'22	3°08'54	minimum elong	-12564 Mar 23 j 10:59	1° Z 58'17	2°30'32
morning rise	-12565 Apr 18 j 14:00	14° Z 33'01			-12564 Mar 26 j 02:32	30° R Z	
direct	-12565 Apr 21 j 02:55	14° Z 06'11		morning rise	-12564 Mar 31 j 08:25	27° Z 20'00	
morning max el	-12565 Apr 28 j 01:41	17° Z 32'45	18°07'18	direct	-12564 Apr 02 j 16:46	27° Z 00'40	
asc. node	-12565 May 04 j 22:12	26° Z 35'00			-12564 Apr 09 j 15:26	0° Z	
	-12565 May 06 j 23:49	0° \approx		morning max el	-12564 Apr 10 j 11:26	0° Z 45'14	18°30'23
morning set	-12565 May 14 j 06:41	13° \approx 04'24		asc. node	-12564 Apr 20 j 19:05	15° Z 32'22	
	-12565 May 23 j 14:34	0° X		morning set	-12564 Apr 26 j 15:29	26° Z 26'50	
					-12564 Apr 28 j 12:01	0° \approx	
superior conj	-12565 May 24 j 19:55	2° X 09'24	1°48'52	superior conj	-12564 May 06 j 00:27	14° \approx 12'01	1°41'55
minimum elong	-12565 May 24 j 19:32	2° X 07'43	1°48'29	minimum elong	-12564 May 05 j 21:59	14° \approx 00'36	1°41'13
max. Earth dist.	-12565 Jun 01 j 03:21	14° X 40'36	1.41703 AU	max. Earth dist.	-12564 May 13 j 05:04	27° \approx 05'57	1.39885 AU
evening rise	-12565 Jun 07 j 11:50	25° X 04'01			-12564 May 14 j 21:23	0° X	
	-12565 Jun 10 j 14:26	0° Y		evening rise	-12564 May 17 j 19:04	4° X 55'00	
desc. node	-12565 Jun 22 j 06:04	17° Y 42'14			-12564 Jun 02 j 18:47	0° Y	
	-12565 Jun 30 j 23:09	0° Z		desc. node	-12564 Jun 08 j 03:37	7° Y 41'02	
evening max el	-12565 Jul 10 j 01:37	11° Z 00'12	22°05'31	evening max el	-12564 Jun 21 j 14:06	24° Y 19'25	23°27'20
retrograde	-12565 Jul 19 j 07:10	16° Z 28'15			-12564 Jun 29 j 07:58	0° Z	
evening set	-12565 Jul 23 j 19:26	14° Z 38'09		retrograde	-12564 Jul 01 j 23:51	0° Z 30'30	
inferior conj	-12565 Jul 29 j 01:10	8° Z 26'24	-0°53'47		-12564 Jul 04 j 11:55	30° R Y	
minimum elong	-12565 Jul 29 j 02:14	8° Z 22'41	0°52'54	evening set	-12564 Jul 07 j 02:28	28° Y 19'15	
min. Earth dist.	-12565 Jul 29 j 05:20	8° Z 12'00	0.67189 AU	inferior conj	-12564 Jul 12 j 07:31	22° Y 04'08	-1°37'47
asc. node	-12565 Jul 31 j 23:28	4° Z 34'17		minimum elong	-12564 Jul 12 j 09:18	21° Y 57'58	1°36'54
morning rise	-12565 Aug 03 j 08:58	2° Z 07'00		min. Earth dist.	-12564 Jul 12 j 00:51	22° Y 27'04	0.67218 AU
direct	-12565 Aug 08 j 01:08	0° Z 12'15		morning rise	-12564 Jul 17 j 16:05	15° Y 50'12	
morning max el	-12565 Aug 17 j 22:49	6° Z 09'54	22°47'37	asc. node	-12564 Jul 17 j 20:16	15° Y 42'12	
	-12565 Sep 05 j 04:49	0° II		direct	-12564 Jul 21 j 19:56	14° Y 13'21	
desc. node	-12565 Sep 18 j 03:11	19° II 50'30		morning max el	-12564 Jul 30 j 14:45	19° Y 28'44	21°26'49
morning set	-12565 Sep 20 j 14:48	23° II 51'38			-12564 Aug 08 j 04:21	0° Z	
	-12565 Sep 24 j 07:50	0° Z			-12564 Aug 28 j 10:17	0° II	
max. Earth dist.	-12565 Sep 25 j 23:59	2° Z 49'37	1.40587 AU	morning set	-12564 Aug 30 j 07:44	2° II 58'05	
				desc. node	-12564 Sep 04 j 00:17	10° II 26'09	
superior conj	-12565 Oct 03 j 14:22	16° Z 09'20	-1°22'07	max. Earth dist.	-12564 Sep 07 j 04:48	15° II 37'10	1.42371 AU
minimum elong	-12565 Oct 03 j 11:11	15° Z 54'56	1°21'07				
	-12565 Oct 11 j 01:48	0° Z		superior conj	-12564 Sep 14 j 05:18	27° II 23'16	-0°58'27
evening rise	-12565 Oct 13 j 09:35	4° Z 23'26		minimum elong	-12564 Sep 14 j 01:16	27° II 05'59	0°57'14
asc. node	-12565 Oct 27 j 22:57	28° Z 34'45			-12564 Sep 15 j 17:43	0° Z	
	-12565 Oct 29 j 06:12	0° II		evening rise	-12564 Sep 25 j 12:18	17° Z 21'16	
evening max el	-12565 Oct 29 j 13:31	0° II 18'15	18°21'01		-12564 Oct 02 j 14:50	0° Z	
retrograde	-12565 Nov 06 j 00:09	4° II 01'06		evening max el	-12564 Oct 12 j 00:07	13° Z 25'40	18°07'19
evening set	-12565 Nov 08 j 11:12	3° II 37'49		asc. node	-12564 Oct 13 j 20:12	15° Z 02'53	
	-12565 Nov 14 j 13:03	30° R Z		retrograde	-12564 Oct 18 j 20:48	16° Z 59'15	
inferior conj	-12565 Nov 15 j 20:54	28° Z 54'40	4°09'07	evening set	-12564 Oct 21 j 09:09	16° Z 30'43	
minimum elong	-12565 Nov 15 j 18:30	28° Z 59'40	4°09'18	inferior conj	-12564 Oct 28 j 06:48	11° Z 26'44	3°39'28
min. Earth dist.	-12565 Nov 19 j 00:55	26° Z 17'13	0.59730 AU	minimum elong	-12564 Oct 28 j 03:03	11° Z 35'39	3°39'20
morning rise	-12565 Nov 23 j 00:11	23° Z 31'48		min. Earth dist.	-12564 Oct 31 j 03:50	8° Z 43'15	0.61556 AU
direct	-12565 Nov 29 j 14:58	21° Z 37'11		morning rise	-12564 Nov 03 j 19:41	5° Z 45'33	
morning max el	-12565 Dec 13 j 15:20	28° Z 57'06	26°47'07	direct	-12564 Nov 10 j 20:12	3° Z 21'41	
	-12565 Dec 14 j 16:55	0° II		morning max el	-12564 Nov 24 j 17:21	10° Z 49'01	27°26'43
desc. node	-12565 Dec 15 j 04:26	0° II 29'24		desc. node	-12564 Dec 01 j 00:59	17° Z 46'14	
	-12564 Jan 04 j 14:26	0° Z			-12564 Dec 09 j 21:27	0° II	
morning set	-12564 Jan 12 j 19:30	16° Z 04'23			-12564 Dec 26 j 16:15	0° Z	
	-12564 Jan 19 j 07:12	0° II		morning set	-12564 Dec 27 j 02:06	0° Z 50'23	
superior conj	-12564 Jan 19 j 19:55	1° II 09'28	-0°36'51	max. Earth dist.	-12563 Jan 02 j 05:04	13° Z 48'26	1.32940 AU
minimum elong	-12564 Jan 19 j 21:18	1° II 17'02	0°37'00				
max. Earth dist.	-12564 Jan 19 j 17:02	0° II 53'45	1.32782 AU	superior conj	-12563 Jan 03 j 07:24	16° Z 11'24	-0°56'28
asc. node	-12564 Jan 23 j 20:17	9° II 53'30		minimum elong	-12563 Jan 03 j 09:16	16° Z 21'34	0°56'24
evening rise	-12564 Jan 26 j 21:39	16° II 22'34		asc. node	-12563 Jan 09 j 17:37	0° II 04'21	
	-12564 Feb 02 j 19:05	0° Z			-12563 Jan 09 j 16:48	0° II	
	-12564 Feb 23 j 08:51	0° Z		evening rise	-12563 Jan 10 j 08:02	1° II 20'19	
evening max el	-12564 Feb 24 j 17:42	1° Z 21'26	26°14'07		-12563 Jan 26 j 05:36	0° Z	
retrograde	-12564 Mar 09 j 20:32	8° Z 41'15		evening max el	-12563 Feb 05 j 13:00	12° Z 29'39	24°56'05
desc. node	-12564 Mar 12 j 06:00	8° Z 26'47		retrograde	-12563 Feb 19 j 11:48	19° Z 30'46	
evening set	-12564 Mar 15 j 16:37	7° Z 16'03		evening set	-12563 Feb 24 j 07:07	18° Z 37'38	
min. Earth dist.	-12564 Mar 20 j 07:02	4° Z 24'06	0.58906 AU	desc. node	-12563 Feb 27 j 02:55	17° Z 21'07	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12563 Mar 02 j 02:41	15° ♁ 33'44	0.57143 AU	min. Earth dist.	-12562 Feb 11 j 19:10	25° ♁ 52'51	0.55917 AU
inferior conj	-12563 Mar 04 j 21:18	13° ♁ 42'32	-1°23'55	inferior conj	-12562 Feb 13 j 09:20	24° ♁ 55'51	0°09'08
minimum elong	-12563 Mar 04 j 18:27	13° ♁ 47'19	1°23'52	minimum elong	-12562 Feb 13 j 09:41	24° ♁ 55'20	0°08'22
morning rise	-12563 Mar 13 j 09:03	9° ♁ 28'00		transit middle	-12562 Feb 13 j 09:41	24° ♁ 55'20	0°08'22
direct	-12563 Mar 15 j 13:16	9° ♁ 14'09		transit begin	-12562 Feb 13 j 06:16	25° ♁ 00'27	
morning max el	-12563 Mar 24 j 14:38	13° ♁ 31'50	19°13'03	transit end	-12562 Feb 13 j 13:06	24° ♁ 50'14	
	-12563 Apr 05 j 00:37	0° ♁		desc. node	-12562 Feb 13 j 23:44	24° ♁ 34'24	
asc. node	-12563 Apr 07 j 16:00	4° ♁ 57'49		morning rise	-12562 Feb 22 j 12:29	20° ♁ 51'21	
morning set	-12563 Apr 10 j 11:16	10° ♁ 26'09		direct	-12562 Feb 24 j 16:44	20° ♁ 39'29	
				morning max el	-12562 Mar 07 j 08:20	25° ♁ 43'06	20°15'20
superior conj	-12563 Apr 18 j 23:20	27° ♁ 12'09	1°27'00		-12562 Mar 11 j 04:50	0° ♁	
minimum elong	-12563 Apr 18 j 20:16	26° ♁ 57'17	1°25'59	morning set	-12562 Mar 25 j 14:47	24° ♁ 53'28	
	-12563 Apr 20 j 10:15	0° ♁		asc. node	-12562 Mar 25 j 12:59	24° ♁ 44'21	
max. Earth dist.	-12563 Apr 25 j 04:57	8° ♁ 56'17	1.38021 AU		-12562 Mar 28 j 02:54	0° ♁	
evening rise	-12563 Apr 29 j 05:37	16° ♁ 09'12					
	-12563 May 07 j 10:53	0° ♁		superior conj	-12562 Apr 02 j 11:41	10° ♁ 56'00	1°07'13
desc. node	-12563 May 26 j 01:08	27° ♁ 14'24		minimum elong	-12562 Apr 02 j 08:57	10° ♁ 42'15	1°06'03
	-12563 May 28 j 05:23	0° ♁		max. Earth dist.	-12562 Apr 07 j 09:43	20° ♁ 37'41	1.36333 AU
evening max el	-12563 Jun 03 j 23:54	7° ♁ 39'43	24°48'40	evening rise	-12562 Apr 11 j 15:06	28° ♁ 34'42	
retrograde	-12563 Jun 15 j 12:53	14° ♁ 28'38			-12562 Apr 12 j 09:45	0° ♁	
evening set	-12563 Jun 21 j 06:04	11° ♁ 58'51			-12562 Apr 30 j 17:10	0° ♁	
min. Earth dist.	-12563 Jun 25 j 18:29	6° ♁ 44'00	0.66918 AU	desc. node	-12562 May 12 j 22:38	16° ♁ 11'33	
inferior conj	-12563 Jun 26 j 12:45	5° ♁ 42'44	-2°16'18	evening max el	-12562 May 17 j 09:47	21° ♁ 01'23	26°00'53
minimum elong	-12563 Jun 26 j 14:56	5° ♁ 35'24	2°15'37	retrograde	-12562 May 29 j 21:23	28° ♁ 16'53	
morning rise	-12563 Jul 01 j 23:47	29° ♁ 37'33		evening set	-12562 Jun 05 j 04:02	25° ♁ 34'13	
	-12563 Jul 01 j 12:03	30° ♁		min. Earth dist.	-12562 Jun 09 j 07:48	20° ♁ 58'42	0.66261 AU
asc. node	-12563 Jul 04 j 17:00	28° ♁ 22'58		inferior conj	-12562 Jun 10 j 14:58	19° ♁ 19'18	-2°47'54
direct	-12563 Jul 05 j 17:09	28° ♁ 17'14		minimum elong	-12562 Jun 10 j 17:08	19° ♁ 12'21	2°47'36
	-12563 Jul 10 j 06:09	0° ♁		morning rise	-12562 Jun 16 j 06:18	13° ♁ 26'01	
morning max el	-12563 Jul 13 j 12:43	2° ♁ 52'57	20°15'15	direct	-12562 Jun 19 j 15:06	12° ♁ 20'26	
	-12563 Aug 02 j 00:49	0° ♁		asc. node	-12562 Jun 21 j 13:43	12° ♁ 41'10	
morning set	-12563 Aug 09 j 11:23	11° ♁ 28'55		morning max el	-12562 Jun 26 j 17:01	16° ♁ 23'05	19°17'00
max. Earth dist.	-12563 Aug 20 j 15:29	29° ♁ 05'54	1.43724 AU		-12562 Jul 06 j 21:39	0° ♁	
	-12563 Aug 21 j 04:58	0° ♁		morning set	-12562 Jul 19 j 21:14	20° ♁ 17'36	
desc. node	-12563 Aug 21 j 21:30	1° ♁ 06'31			-12562 Jul 26 j 00:48	0° ♁	
				max. Earth dist.	-12562 Aug 03 j 06:47	13° ♁ 02'17	1.44469 AU
superior conj	-12563 Aug 25 j 17:11	7° ♁ 18'17	-0°22'42				
minimum elong	-12563 Aug 25 j 14:57	7° ♁ 09'09	0°21'42	superior conj	-12562 Aug 05 j 03:43	16° ♁ 00'35	0°21'23
evening rise	-12563 Sep 07 j 21:54	29° ♁ 29'07		minimum elong	-12562 Aug 05 j 06:18	16° ♁ 10'51	0°21'38
	-12563 Sep 08 j 05:05	0° ♁		desc. node	-12562 Aug 08 j 18:51	21° ♁ 47'46	
evening max el	-12563 Sep 25 j 13:39	26° ♁ 47'13	18°12'37		-12562 Aug 13 j 21:20	0° ♁	
	-12563 Sep 30 j 04:10	0° ♁		evening rise	-12562 Aug 20 j 08:35	10° ♁ 32'01	
asc. node	-12563 Sep 30 j 17:21	0° ♁ 09'49			-12562 Sep 01 j 09:38	0° ♁	
retrograde	-12563 Oct 02 j 04:30	0° ♁ 20'54		evening max el	-12562 Sep 09 j 03:04	10° ♁ 15'54	18°35'53
	-12563 Oct 04 j 04:54	30° ♁		retrograde	-12562 Sep 15 j 19:30	13° ♁ 58'41	
evening set	-12563 Oct 04 j 20:25	29° ♁ 44'41		asc. node	-12562 Sep 17 j 14:27	13° ♁ 40'50	
inferior conj	-12563 Oct 11 j 07:03	24° ♁ 21'48	2°56'51	evening set	-12562 Sep 18 j 17:16	13° ♁ 11'48	
minimum elong	-12563 Oct 11 j 03:21	24° ♁ 31'41	2°56'33	inferior conj	-12562 Sep 24 j 18:18	7° ♁ 32'47	2°07'31
min. Earth dist.	-12563 Oct 13 j 16:25	21° ♁ 49'10	0.63228 AU	minimum elong	-12562 Sep 24 j 15:25	7° ♁ 41'15	2°07'20
morning rise	-12563 Oct 17 j 09:21	18° ♁ 25'26		min. Earth dist.	-12562 Sep 26 j 14:49	5° ♁ 22'21	0.64631 AU
direct	-12563 Oct 24 j 09:22	15° ♁ 45'28		morning rise	-12562 Sep 30 j 12:58	1° ♁ 24'30	
morning max el	-12563 Nov 07 j 00:25	23° ♁ 16'57	27°31'42		-12562 Oct 02 j 13:19	30° ♁	
	-12563 Nov 13 j 03:18	0° ♁		direct	-12562 Oct 07 j 05:04	28° ♁ 41'34	
desc. node	-12563 Nov 17 j 21:35	6° ♁ 08'26			-12562 Oct 12 j 06:32	0° ♁	
	-12563 Dec 03 j 01:14	0° ♁		morning max el	-12562 Oct 20 j 10:10	6° ♁ 11'30	27°04'22
morning set	-12563 Dec 11 j 02:29	15° ♁ 14'21		desc. node	-12562 Nov 04 j 18:14	25° ♁ 16'53	
max. Earth dist.	-12563 Dec 16 j 12:01	26° ♁ 22'51	1.33469 AU		-12562 Nov 07 j 22:00	0° ♁	
	-12563 Dec 18 j 04:47	0° ♁		morning set	-12562 Nov 24 j 17:38	29° ♁ 06'35	
					-12562 Nov 25 j 04:39	0° ♁	
superior conj	-12563 Dec 18 j 16:49	1° ♁ 04'31	-1°13'19	max. Earth dist.	-12562 Nov 29 j 10:40	8° ♁ 28'57	1.34404 AU
minimum elong	-12563 Dec 18 j 18:49	1° ♁ 15'18	1°13'05				
evening rise	-12563 Dec 25 j 19:16	16° ♁ 17'17		superior conj	-12562 Dec 02 j 22:13	15° ♁ 41'51	-1°26'29
asc. node	-12563 Dec 27 j 14:59	20° ♁ 04'01		minimum elong	-12562 Dec 02 j 23:56	15° ♁ 50'51	1°26'08
	-12562 Jan 01 j 17:01	0° ♁			-12562 Dec 09 j 16:44	0° ♁	
evening max el	-12562 Jan 18 j 06:19	23° ♁ 22'05	23°23'56	evening rise	-12562 Dec 10 j 05:43	1° ♁ 07'44	
retrograde	-12562 Jan 31 j 14:12	29° ♁ 51'05		asc. node	-12562 Dec 14 j 12:23	9° ♁ 46'59	
evening set	-12562 Feb 04 j 08:55	29° ♁ 19'50			-12562 Dec 27 j 01:43	0° ♁	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12562 Dec 31 j 02:38	4° \mathbb{M} 21'14	21°51'02	retrograde	-12561 Dec 23 j 22:15	20° \mathbb{A} 45'30	
retrograde	-12561 Jan 12 j 06:29	10° \mathbb{M} 07'07		evening set	-12561 Dec 26 j 14:40	20° \mathbb{A} 27'47	
evening set	-12561 Jan 15 j 07:55	9° \mathbb{M} 46'15		inferior conj	-12560 Jan 04 j 07:46	16° \mathbb{A} 27'42	3°17'50
inferior conj	-12561 Jan 24 j 08:46	5° \mathbb{M} 43'01	1°52'09	minimum elong	-12560 Jan 04 j 13:26	16° \mathbb{A} 19'14	3°16'25
minimum elong	-12561 Jan 24 j 13:16	5° \mathbb{M} 36'36	1°50'23	min. Earth dist.	-12560 Jan 05 j 22:42	15° \mathbb{A} 29'45	0.55872 AU
min. Earth dist.	-12561 Jan 24 j 09:29	5° \mathbb{M} 41'58	0.55466 AU	morning rise	-12560 Jan 13 j 10:40	12° \mathbb{A} 03'11	
desc. node	-12561 Jan 31 j 20:27	2° \mathbb{M} 05'40		direct	-12560 Jan 17 j 01:41	11° \mathbb{A} 34'16	
morning rise	-12561 Feb 02 j 18:39	1° \mathbb{M} 35'51		desc. node	-12560 Jan 18 j 17:06	11° \mathbb{A} 40'23	
direct	-12561 Feb 05 j 09:18	1° \mathbb{M} 20'27		morning max el	-12560 Jan 30 j 10:57	18° \mathbb{A} 10'17	23°09'37
morning max el	-12561 Feb 17 j 14:45	7° \mathbb{M} 14'15	21°35'53		-12560 Feb 09 j 00:06	0° \mathbb{M}	
	-12561 Mar 05 j 03:04	0° \mathbb{A}		morning set	-12560 Feb 22 j 11:00	24° \mathbb{M} 41'01	
morning set	-12561 Mar 09 j 23:27	9° \mathbb{A} 41'14			-12560 Feb 24 j 23:24	0° \mathbb{A}	
asc. node	-12561 Mar 12 j 10:05	14° \mathbb{A} 46'32		asc. node	-12560 Feb 27 j 07:16	4° \mathbb{A} 58'37	
superior conj	-12561 Mar 17 j 09:42	25° \mathbb{A} 13'02	0°44'49	superior conj	-12560 Feb 29 j 14:21	9° \mathbb{A} 52'51	0°21'21
minimum elong	-12561 Mar 17 j 07:48	25° \mathbb{A} 03'09	0°43'43	minimum elong	-12560 Feb 29 j 13:27	9° \mathbb{A} 48'07	0°20'27
	-12561 Mar 19 j 17:23	0° \mathbb{B}		max. Earth dist.	-12560 Mar 03 j 00:07	14° \mathbb{A} 58'15	1.33905 AU
max. Earth dist.	-12561 Mar 21 j 00:01	2° \mathbb{B} 35'28	1.34947 AU	evening rise	-12560 Mar 08 j 08:54	25° \mathbb{A} 55'28	
evening rise	-12561 Mar 25 j 17:51	11° \mathbb{B} 55'24			-12560 Mar 10 j 11:01	0° \mathbb{B}	
	-12561 Apr 04 j 19:34	0° \mathbb{A}			-12560 Mar 28 j 05:26	0° \mathbb{A}	
	-12561 Apr 25 j 19:22	0° \mathbb{H}		evening max el	-12560 Apr 11 j 07:01	17° \mathbb{A} 22'22	27°24'11
desc. node	-12561 Apr 29 j 20:02	4° \mathbb{H} 18'00		desc. node	-12560 Apr 15 j 17:21	21° \mathbb{A} 12'34	
evening max el	-12561 Apr 29 j 20:34	4° \mathbb{H} 19'19	26°55'11	retrograde	-12560 Apr 24 j 22:43	24° \mathbb{A} 58'00	
retrograde	-12561 May 13 j 00:49	11° \mathbb{H} 49'30		evening set	-12560 May 01 j 20:53	22° \mathbb{A} 19'44	
evening set	-12561 May 19 j 17:57	9° \mathbb{H} 02'59		min. Earth dist.	-12560 May 05 j 13:20	18° \mathbb{A} 56'01	0.63780 AU
min. Earth dist.	-12561 May 23 j 14:39	5° \mathbb{H} 05'58	0.65220 AU	inferior conj	-12560 May 08 j 01:24	16° \mathbb{A} 14'22	-3°22'28
inferior conj	-12561 May 25 j 12:02	2° \mathbb{H} 51'28	-3°10'48	minimum elong	-12560 May 08 j 02:00	16° \mathbb{A} 12'44	3°23'00
minimum elong	-12561 May 25 j 13:43	2° \mathbb{H} 46'30	3°10'58	morning rise	-12560 May 14 j 07:57	10° \mathbb{A} 52'42	
	-12561 May 28 j 00:37	30° \mathbb{R}		direct	-12560 May 17 j 04:09	10° \mathbb{A} 11'19	
morning rise	-12561 May 31 j 09:47	27° \mathbb{A} 12'52		morning max el	-12560 May 23 j 15:42	13° \mathbb{A} 36'27	18°09'33
direct	-12561 Jun 03 j 11:39	26° \mathbb{A} 20'12		asc. node	-12560 May 25 j 07:14	15° \mathbb{A} 24'06	
asc. node	-12561 Jun 08 j 10:27	28° \mathbb{A} 26'55			-12560 Jun 04 j 01:15	0° \mathbb{H}	
morning max el	-12561 Jun 10 j 02:41	29° \mathbb{A} 58'54	18°34'36	morning set	-12560 Jun 10 j 12:30	11° \mathbb{H} 01'48	
	-12561 Jun 10 j 03:06	0° \mathbb{H}			-12560 Jun 21 j 19:00	0° \mathbb{Y}	
morning set	-12561 Jun 30 j 04:15	0° \mathbb{Y} 04'48					
	-12561 Jun 30 j 03:05	0° \mathbb{Y}		superior conj	-12560 Jun 23 j 15:40	3° \mathbb{Y} 03'01	1°34'01
superior conj	-12561 Jul 15 j 03:46	24° \mathbb{Y} 13'57	1°03'53	minimum elong	-12560 Jun 23 j 20:59	3° \mathbb{Y} 24'42	1°33'42
minimum elong	-12561 Jul 15 j 10:10	24° \mathbb{Y} 39'25	1°03'33	max. Earth dist.	-12560 Jun 28 j 14:31	11° \mathbb{Y} 03'31	1.43863 AU
max. Earth dist.	-12561 Jul 16 j 23:43	27° \mathbb{Y} 08'20	1.44514 AU	evening rise	-12560 Jul 09 j 23:23	28° \mathbb{Y} 58'37	
	-12561 Jul 18 j 19:05	0° \mathbb{B}			-12560 Jul 10 j 15:12	0° \mathbb{B}	
desc. node	-12561 Jul 26 j 16:18	12° \mathbb{B} 26'53		desc. node	-12560 Jul 12 j 13:50	3° \mathbb{B} 00'30	
evening rise	-12561 Jul 31 j 16:02	20° \mathbb{B} 19'08			-12560 Jul 30 j 18:27	0° \mathbb{H}	
	-12561 Aug 06 j 19:28	0° \mathbb{H}		evening max el	-12560 Aug 05 j 18:37	7° \mathbb{H} 15'15	20°11'56
evening max el	-12561 Aug 23 j 13:32	23° \mathbb{H} 46'34	19°16'05	retrograde	-12560 Aug 13 j 11:28	11° \mathbb{H} 43'55	
retrograde	-12561 Aug 30 j 14:41	27° \mathbb{H} 47'34		evening set	-12560 Aug 17 j 03:31	10° \mathbb{H} 26'05	
evening set	-12561 Sep 02 j 20:31	26° \mathbb{H} 46'51		asc. node	-12560 Aug 21 j 08:26	6° \mathbb{H} 03'35	
asc. node	-12561 Sep 04 j 11:29	25° \mathbb{H} 32'21		inferior conj	-12560 Aug 22 j 14:39	4° \mathbb{H} 24'16	0°23'35
inferior conj	-12561 Sep 08 j 13:39	20° \mathbb{H} 54'50	1°15'32	minimum elong	-12560 Aug 22 j 14:07	4° \mathbb{H} 26'04	0°24'04
minimum elong	-12561 Sep 08 j 11:55	21° \mathbb{H} 00'19	1°15'39	min. Earth dist.	-12560 Aug 23 j 11:37	3° \mathbb{H} 14'28	0.66518 AU
min. Earth dist.	-12561 Sep 09 j 21:54	19° \mathbb{H} 12'59	0.65725 AU		-12560 Aug 26 j 01:57	30° \mathbb{R}	
morning rise	-12561 Sep 14 j 02:57	14° \mathbb{H} 38'12		morning rise	-12560 Aug 28 j 00:29	28° \mathbb{B} 03'17	
direct	-12561 Sep 20 j 06:52	12° \mathbb{H} 02'22		direct	-12560 Sep 02 j 14:25	25° \mathbb{B} 40'55	
morning max el	-12561 Oct 02 j 20:38	19° \mathbb{H} 21'50	26°10'32		-12560 Sep 11 j 11:09	0° \mathbb{H}	
	-12561 Oct 12 j 00:49	0° \mathbb{B}		morning max el	-12560 Sep 14 j 06:39	2° \mathbb{H} 37'45	24°58'08
desc. node	-12561 Oct 22 j 14:58	14° \mathbb{B} 58'16			-12560 Oct 05 j 05:06	0° \mathbb{B}	
	-12561 Oct 31 j 22:29	0° \mathbb{Q}		desc. node	-12560 Oct 08 j 11:49	5° \mathbb{B} 03'04	
morning set	-12561 Nov 07 j 19:42	12° \mathbb{Q} 15'19		morning set	-12560 Oct 20 j 03:49	24° \mathbb{B} 27'17	
max. Earth dist.	-12561 Nov 11 j 22:56	20° \mathbb{Q} 06'38	1.35763 AU		-12560 Oct 23 j 05:58	0° \mathbb{Q}	
				max. Earth dist.	-12560 Oct 24 j 01:47	1° \mathbb{Q} 30'45	1.37496 AU
superior conj	-12561 Nov 16 j 21:10	29° \mathbb{Q} 55'21	-1°34'48	superior conj	-12560 Oct 30 j 10:32	13° \mathbb{Q} 35'44	-1°36'45
minimum elong	-12561 Nov 16 j 22:05	29° \mathbb{Q} 59'59	1°34'21	minimum elong	-12560 Oct 30 j 10:06	13° \mathbb{Q} 33'35	1°36'10
	-12561 Nov 16 j 22:05	0° \mathbb{H}		evening rise	-12560 Nov 07 j 17:04	0° \mathbb{H} 05'09	
evening rise	-12561 Nov 24 j 13:39	15° \mathbb{H} 45'36			-12560 Nov 07 j 16:02	0° \mathbb{H}	
asc. node	-12561 Dec 01 j 09:49	29° \mathbb{H} 06'11		asc. node	-12560 Nov 17 j 07:12	17° \mathbb{H} 53'11	
	-12561 Dec 01 j 21:49	0° \mathbb{Q}		evening max el	-12560 Nov 24 j 21:02	27° \mathbb{H} 44'21	19°23'15
evening max el	-12561 Dec 13 j 06:41	15° \mathbb{Q} 45'32	20°28'31		-12560 Nov 27 j 16:21	0° \mathbb{Q}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12560 Dec 04 j 00:36	2°♄04'44				-12559 Oct 31 j 06:26	0°♊		
evening set	-12560 Dec 06 j 13:12	1°♄46'23			asc. node	-12559 Nov 04 j 04:32	5°♊56'45		
	-12560 Dec 10 j 21:50	30°♊			evening max el	-12559 Nov 07 j 21:09	10°♊15'12	18°37'56	
inferior conj	-12560 Dec 14 j 18:46	27°♊35'14	4°06'25		retrograde	-12559 Nov 15 j 19:49	14°♊07'46		
minimum elong	-12560 Dec 14 j 21:41	27°♊30'22	4°06'10		evening set	-12559 Nov 18 j 07:04	13°♊46'40		
min. Earth dist.	-12560 Dec 17 j 12:19	25°♊46'24	0.57032 AU		inferior conj	-12559 Nov 26 j 00:02	9°♊16'18	4°16'46	
morning rise	-12560 Dec 23 j 04:02	22°♊46'34			minimum elong	-12559 Nov 25 j 23:13	9°♊17'51	4°17'02	
direct	-12560 Dec 28 j 03:37	21°♊49'40			min. Earth dist.	-12559 Nov 29 j 04:20	6°♊50'55	0.58685 AU	
desc. node	-12559 Jan 04 j 13:43	23°♊55'20			morning rise	-12559 Dec 03 j 13:30	4°♊05'16		
morning max el	-12559 Jan 11 j 01:57	28°♊52'06	24°45'42		direct	-12559 Dec 09 j 17:28	2°♊31'07		
	-12559 Jan 12 j 05:28	0°♄			desc. node	-12559 Dec 22 j 10:17	8°♊32'54		
	-12559 Feb 01 j 04:02	0°♌			morning max el	-12559 Dec 23 j 18:13	9°♊46'24	26°09'41	
morning set	-12559 Feb 05 j 23:33	9°♌45'49				-12558 Jan 08 j 05:25	0°♄		
					morning set	-12558 Jan 21 j 11:16	24°♄48'49		
superior conj	-12559 Feb 12 j 23:16	24°♌47'32	-0°02'04			-12558 Jan 23 j 21:55	0°♌		
minimum elong	-12559 Feb 12 j 23:23	24°♌48'10	0°02'42						
behind sun begin	-12559 Feb 12 j 18:21	24°♌20'57			superior conj	-12558 Jan 28 j 10:31	9°♌50'02	-0°24'34	
behind sun end	-12559 Feb 13 j 04:24	25°♌15'22			minimum elong	-12558 Jan 28 j 11:30	9°♌55'23	0°24'53	
asc. node	-12559 Feb 13 j 04:33	25°♌16'06			max. Earth dist.	-12558 Jan 28 j 20:18	10°♌43'25	1.32846 AU	
max. Earth dist.	-12559 Feb 14 j 07:55	27°♌43'50	1.33210 AU		asc. node	-12558 Jan 31 j 01:48	15°♌34'15		
	-12559 Feb 15 j 09:18	0°♊			evening rise	-12558 Feb 04 j 14:08	25°♌08'44		
evening rise	-12559 Feb 20 j 08:36	10°♊23'08				-12558 Feb 06 j 23:23	0°♊		
	-12559 Mar 02 j 19:07	0°♊				-12558 Feb 24 j 15:04	0°♊		
evening max el	-12559 Mar 24 j 15:13	29°♊59'46	27°22'30		evening max el	-12558 Mar 06 j 19:07	12°♊03'07	26°48'01	
	-12559 Mar 24 j 15:18	0°♊			desc. node	-12558 Mar 20 j 11:38	19°♊28'50		
desc. node	-12559 Apr 02 j 14:33	6°♊27'13			retrograde	-12558 Mar 20 j 21:49	19°♊29'18		
retrograde	-12559 Apr 07 j 14:15	7°♊33'39			evening set	-12558 Mar 27 j 04:52	17°♊44'27		
evening set	-12559 Apr 14 j 09:32	5°♊16'58			min. Earth dist.	-12558 Mar 31 j 08:31	14°♊53'10	0.60033 AU	
min. Earth dist.	-12559 Apr 18 j 03:08	2°♊16'18	0.62002 AU		inferior conj	-12558 Apr 03 j 16:11	12°♊06'43	-2°55'34	
	-12559 Apr 20 j 12:14	30°♊			minimum elong	-12558 Apr 03 j 13:31	12°♊12'20	2°55'56	
inferior conj	-12559 Apr 21 j 03:57	29°♊22'00	-3°19'08		morning rise	-12558 Apr 11 j 00:43	7°♊23'07		
minimum elong	-12559 Apr 21 j 02:58	29°♊24'21	3°19'46		direct	-12558 Apr 13 j 11:35	6°♊59'45		
morning rise	-12559 Apr 27 j 22:02	24°♊18'54			morning max el	-12558 Apr 20 j 17:41	10°♊32'38	18°14'41	
direct	-12559 Apr 30 j 13:24	23°♊47'16			asc. node	-12558 Apr 29 j 00:52	21°♊54'42		
morning max el	-12559 May 07 j 05:37	27°♊10'05	18°02'41			-12558 May 03 j 14:25	0°♊		
	-12559 May 09 j 18:10	0°♊			morning set	-12558 May 06 j 20:02	6°♊00'27		
asc. node	-12559 May 12 j 04:02	3°♊17'35							
morning set	-12559 May 23 j 19:19	23°♊03'42			superior conj	-12558 May 16 j 20:14	24°♊28'41	1°47'08	
	-12559 May 27 j 16:29	0°♋			minimum elong	-12558 May 16 j 18:45	24°♊22'03	1°46'37	
						-12558 May 19 j 22:55	0°♋		
superior conj	-12559 Jun 04 j 04:48	13°♋06'21	1°47'43		max. Earth dist.	-12558 May 24 j 05:14	7°♋21'20	1.40953 AU	
minimum elong	-12559 Jun 04 j 06:21	13°♋13'00	1°47'26		evening rise	-12558 May 29 j 16:05	16°♋25'19		
max. Earth dist.	-12559 Jun 11 j 00:33	24°♋31'08	1.42619 AU			-12558 Jun 07 j 06:06	0°♋		
	-12559 Jun 14 j 09:33	0°♋			desc. node	-12558 Jun 16 j 08:57	13°♋34'16		
evening rise	-12559 Jun 18 j 23:48	7°♋18'22				-12558 Jun 28 j 17:06	0°♋		
desc. node	-12559 Jun 29 j 11:23	23°♋24'26			evening max el	-12558 Jul 02 j 08:30	4°♋00'24	22°39'58	
	-12559 Jul 03 j 22:12	0°♋			retrograde	-12558 Jul 12 j 01:54	9°♋46'32		
evening max el	-12559 Jul 19 j 16:51	20°♋39'27	21°21'12		evening set	-12558 Jul 16 j 20:08	7°♋47'32		
retrograde	-12559 Jul 28 j 07:42	25°♋44'08			inferior conj	-12558 Jul 22 j 01:20	1°♋34'19	-1°13'03	
evening set	-12559 Aug 01 j 12:02	24°♋06'30			minimum elong	-12558 Jul 22 j 02:44	1°♋29'25	1°12'08	
inferior conj	-12559 Aug 06 j 19:09	17°♋57'44	-0°26'29		min. Earth dist.	-12558 Jul 22 j 01:02	1°♋35'18	0.67242 AU	
minimum elong	-12559 Aug 06 j 19:42	17°♋55'52	0°25'41			-12558 Jul 23 j 04:47	30°♋		
min. Earth dist.	-12559 Aug 07 j 05:28	17°♋22'20	0.67024 AU		asc. node	-12558 Jul 26 j 02:08	26°♋28'46		
asc. node	-12559 Aug 08 j 05:20	16°♋01'22			morning rise	-12558 Jul 27 j 09:15	25°♋16'44		
morning rise	-12559 Aug 12 j 03:12	11°♋36'29			direct	-12558 Jul 31 j 20:05	23°♋29'26		
direct	-12559 Aug 17 j 03:08	9°♋31'06			morning max el	-12558 Aug 10 j 05:51	29°♋08'52	22°12'23	
morning max el	-12559 Aug 27 j 16:53	15°♋52'52	23°35'51			-12558 Aug 11 j 01:20	0°♋		
	-12559 Sep 08 j 06:11	0°♋				-12558 Sep 02 j 01:04	0°♋		
desc. node	-12559 Sep 25 j 08:46	25°♋23'27			morning set	-12558 Sep 11 j 18:57	15°♋11'00		
	-12559 Sep 28 j 05:22	0°♋			desc. node	-12558 Sep 12 j 05:49	15°♋54'35		
morning set	-12559 Oct 01 j 12:33	5°♋27'29			max. Earth dist.	-12558 Sep 18 j 01:52	25°♋28'45	1.41389 AU	
max. Earth dist.	-12559 Oct 06 j 00:23	13°♋08'51	1.39453 AU			-12558 Sep 20 j 18:08	0°♋		
superior conj	-12559 Oct 13 j 10:04	26°♋30'13	-1°30'24		superior conj	-12558 Sep 25 j 14:34	8°♋25'07	-1°13'35	
minimum elong	-12559 Oct 13 j 07:53	26°♋19'59	1°29'34		minimum elong	-12558 Sep 25 j 10:49	8°♋08'34	1°12'28	
	-12559 Oct 15 j 06:50	0°♋			evening rise	-12558 Oct 05 j 23:40	27°♋19'09		
evening rise	-12559 Oct 22 j 13:26	13°♋58'40				-12558 Oct 07 j 10:24	0°♋		

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12558 Oct 22 j 04:45	23° Ω 11'14	18°12'50	evening max el	-12557 Oct 05 j 16:56	6° Ω 25'06	18°07'18
asc. node	-12558 Oct 22 j 01:48	23° Ω 03'53		asc. node	-12557 Oct 08 j 23:00	8° Ω 59'20	
retrograde	-12558 Oct 29 j 08:08	26° Ω 48'29		retrograde	-12557 Oct 12 j 10:07	9° Ω 57'42	
evening set	-12558 Oct 31 j 19:39	26° Ω 23'04		evening set	-12557 Oct 14 j 23:46	9° Ω 26'08	
inferior conj	-12558 Nov 08 j 00:07	21° Ω 30'51	3°58'35	inferior conj	-12557 Oct 21 j 16:32	4° Ω 13'26	3°22'33
minimum elong	-12558 Nov 07 j 20:56	21° Ω 37'51	3°58'39	minimum elong	-12557 Oct 21 j 12:40	4° Ω 23'07	3°22'19
min. Earth dist.	-12558 Nov 11 j 02:02	18° Ω 48'41	0.60523 AU	min. Earth dist.	-12557 Oct 24 j 08:45	1° Ω 33'08	0.62292 AU
morning rise	-12558 Nov 14 j 20:48	16° Ω 00'11			-12557 Oct 26 j 01:03	30° \mathbb{R} \mathbb{S}	
direct	-12558 Nov 21 j 17:23	13° Ω 51'41		morning rise	-12557 Oct 28 j 00:30	28° \mathbb{S} 25'27	
morning max el	-12558 Dec 05 j 16:14	21° Ω 14'13	27°08'06	direct	-12557 Nov 04 j 01:47	25° \mathbb{S} 53'27	
desc. node	-12558 Dec 09 j 06:50	25° Ω 00'13			-12557 Nov 13 j 23:26	0° Ω	
	-12558 Dec 13 j 09:59	0° \mathbb{N}		morning max el	-12557 Nov 17 j 20:45	3° Ω 22'25	27°33'13
	-12558 Dec 31 j 23:50	0° \mathbb{S}		desc. node	-12557 Nov 26 j 03:24	12° Ω 47'25	
morning set	-12557 Jan 05 j 20:19	9° \mathbb{S} 42'58			-12557 Dec 07 j 19:29	0° \mathbb{N}	
				morning set	-12557 Dec 21 j 00:38	24° \mathbb{N} 20'58	
superior conj	-12557 Jan 12 j 22:23	24° \mathbb{S} 53'44	-0°45'28		-12557 Dec 23 j 18:17	0° \mathbb{S}	
minimum elong	-12557 Jan 13 j 00:00	25° \mathbb{S} 02'38	0°45'31	max. Earth dist.	-12557 Dec 26 j 20:14	6° \mathbb{S} 33'09	1.33118 AU
max. Earth dist.	-12557 Jan 12 j 09:38	23° \mathbb{S} 44'10	1.32811 AU				
	-12557 Jan 15 j 06:30	0° \mathbb{M}		superior conj	-12557 Dec 28 j 09:13	9° \mathbb{S} 52'48	-1°04'01
asc. node	-12557 Jan 17 j 23:07	5° \mathbb{M} 49'05		minimum elong	-12557 Dec 28 j 11:11	10° \mathbb{S} 03'30	1°03'51
evening rise	-12557 Jan 19 j 23:18	10° \mathbb{M} 04'07		evening rise	-12556 Jan 04 j 10:17	25° \mathbb{S} 02'40	
	-12557 Jan 30 j 08:50	0° \mathbb{J}		asc. node	-12556 Jan 04 j 20:29	25° \mathbb{S} 56'07	
evening max el	-12557 Feb 16 j 17:24	23° \mathbb{J} 29'23	25°43'31		-12556 Jan 06 j 19:48	0° \mathbb{M}	
	-12557 Feb 26 j 14:42	0° \mathbb{S}			-12556 Jan 25 j 06:18	0° \mathbb{J}	
retrograde	-12557 Mar 02 j 19:12	0° \mathbb{S} 41'42		evening max el	-12556 Jan 29 j 11:16	4° \mathbb{J} 28'19	24°17'49
	-12557 Mar 06 j 22:55	30° \mathbb{R} \mathbb{J}		retrograde	-12556 Feb 12 j 04:55	11° \mathbb{J} 17'29	
desc. node	-12557 Mar 07 j 08:37	29° \mathbb{J} 51'35		evening set	-12556 Feb 16 j 13:36	10° \mathbb{J} 34'53	
evening set	-12557 Mar 08 j 05:21	29° \mathbb{J} 31'10		desc. node	-12556 Feb 22 j 05:27	7° \mathbb{J} 52'10	
min. Earth dist.	-12557 Mar 13 j 06:52	26° \mathbb{J} 35'38	0.58114 AU	min. Earth dist.	-12556 Feb 23 j 00:38	7° \mathbb{J} 22'53	0.56544 AU
inferior conj	-12557 Mar 16 j 10:33	24° \mathbb{J} 19'00	-2°05'50	inferior conj	-12556 Feb 25 j 09:12	5° \mathbb{J} 53'30	-0°47'07
minimum elong	-12557 Mar 16 j 07:08	24° \mathbb{J} 25'13	2°05'48	minimum elong	-12556 Feb 25 j 07:23	5° \mathbb{J} 56'22	0°47'18
morning rise	-12557 Mar 24 j 12:04	19° \mathbb{J} 54'42		morning rise	-12556 Mar 05 j 04:08	1° \mathbb{J} 44'51	
direct	-12557 Mar 26 j 18:39	19° \mathbb{J} 37'54		direct	-12556 Mar 07 j 07:44	1° \mathbb{J} 32'16	
morning max el	-12557 Apr 04 j 00:56	23° \mathbb{J} 34'40	18°46'05	morning max el	-12556 Mar 17 j 00:28	6° \mathbb{J} 07'36	19°37'11
	-12557 Apr 09 j 07:31	0° \mathbb{S}			-12556 Apr 01 j 10:32	0° \mathbb{S}	
asc. node	-12557 Apr 15 j 21:44	11° \mathbb{S} 04'43		asc. node	-12556 Apr 01 j 18:42	0° \mathbb{S} 40'05	
morning set	-12557 Apr 20 j 10:00	19° \mathbb{S} 39'54		morning set	-12556 Apr 03 j 09:28	3° \mathbb{S} 52'32	
	-12557 Apr 25 j 17:45	0° \mathbb{M}					
superior conj	-12557 Apr 29 j 09:13	6° \mathbb{M} 57'16	1°36'22	superior conj	-12556 Apr 11 j 14:27	20° \mathbb{S} 18'01	1°19'03
minimum elong	-12557 Apr 29 j 06:21	6° \mathbb{M} 43'42	1°35'30	minimum elong	-12556 Apr 11 j 11:26	20° \mathbb{S} 03'11	1°17'57
max. Earth dist.	-12557 May 06 j 06:01	19° \mathbb{M} 31'34	1.39089 AU		-12556 Apr 16 j 15:18	0° \mathbb{M}	
evening rise	-12557 May 10 j 11:12	26° \mathbb{M} 52'05		max. Earth dist.	-12556 Apr 17 j 07:26	1° \mathbb{M} 15'37	1.37275 AU
	-12557 May 12 j 07:36	0° \mathbb{H}		evening rise	-12556 Apr 21 j 08:14	8° \mathbb{M} 38'25	
	-12557 May 31 j 19:28	0° \mathbb{Y}			-12556 May 04 j 02:31	0° \mathbb{H}	
desc. node	-12557 Jun 03 j 06:31	3° \mathbb{Y} 23'10		desc. node	-12556 May 20 j 04:01	22° \mathbb{H} 42'26	
evening max el	-12557 Jun 14 j 19:34	17° \mathbb{Y} 19'55	24°02'27		-12556 May 26 j 13:04	0° \mathbb{Y}	
retrograde	-12557 Jun 25 j 16:58	23° \mathbb{Y} 47'21		evening max el	-12556 May 27 j 05:02	0° \mathbb{Y} 40'25	25°20'53
evening set	-12557 Jul 01 j 01:56	21° \mathbb{Y} 27'41		retrograde	-12556 Jun 08 j 04:09	7° \mathbb{Y} 42'09	
inferior conj	-12557 Jul 06 j 07:24	15° \mathbb{Y} 12'07	-1°54'52	evening set	-12556 Jun 14 j 03:26	5° \mathbb{Y} 05'38	
minimum elong	-12557 Jul 06 j 09:24	15° \mathbb{Y} 05'18	1°54'03	min. Earth dist.	-12556 Jun 18 j 11:55	0° \mathbb{Y} 07'42	0.66691 AU
min. Earth dist.	-12557 Jul 05 j 19:56	15° \mathbb{Y} 51'15	0.67141 AU		-12556 Jun 18 j 14:16	30° \mathbb{R} \mathbb{H}	
morning rise	-12557 Jul 11 j 16:49	9° \mathbb{Y} 01'43		inferior conj	-12556 Jun 19 j 11:35	28° \mathbb{H} 49'46	-2°30'38
asc. node	-12557 Jul 12 j 22:53	8° \mathbb{Y} 13'41		minimum elong	-12556 Jun 19 j 13:50	28° \mathbb{H} 42'25	2°30'07
direct	-12557 Jul 15 j 16:04	7° \mathbb{Y} 32'02		morning rise	-12556 Jun 25 j 00:15	22° \mathbb{H} 49'35	
morning max el	-12557 Jul 24 j 00:11	12° \mathbb{Y} 29'16	20°54'57	direct	-12556 Jun 28 j 13:43	21° \mathbb{H} 35'55	
	-12557 Aug 06 j 09:13	0° \mathbb{B}		asc. node	-12556 Jun 28 j 19:36	21° \mathbb{H} 36'15	
morning set	-12557 Aug 22 j 04:07	23° \mathbb{B} 55'56		morning max el	-12556 Jul 06 j 01:02	25° \mathbb{H} 56'25	19°48'39
	-12557 Aug 26 j 00:45	0° \mathbb{I}			-12556 Jul 09 j 13:07	0° \mathbb{Y}	
desc. node	-12557 Aug 30 j 03:00	6° \mathbb{I} 32'27			-12556 Jul 29 j 18:04	0° \mathbb{B}	
max. Earth dist.	-12557 Aug 31 j 09:46	8° \mathbb{I} 36'51	1.43018 AU	morning set	-12556 Jul 31 j 08:02	2° \mathbb{B} 28'00	
				max. Earth dist.	-12556 Aug 12 j 23:00	22° \mathbb{B} 20'18	1.44122 AU
				desc. node	-12556 Aug 16 j 00:18	27° \mathbb{B} 13'27	
superior conj	-12557 Sep 06 j 18:21	19° \mathbb{I} 05'54	-0°44'40				
minimum elong	-12557 Sep 06 j 14:39	18° \mathbb{I} 50'26	0°43'27	superior conj	-12556 Aug 16 j 18:29	28° \mathbb{B} 26'36	-0°04'32
	-12557 Sep 13 j 03:38	0° \mathbb{S}		minimum elong	-12556 Aug 16 j 18:03	28° \mathbb{B} 24'51	0°03'49
evening rise	-12557 Sep 18 j 19:44	9° \mathbb{S} 57'08		behind sun begin	-12556 Aug 16 j 07:27	27° \mathbb{B} 42'09	
	-12557 Sep 30 j 15:45	0° Ω		behind sun end	-12556 Aug 17 j 04:40	29° \mathbb{B} 07'36	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12556 Aug 17 j 17:39	0°♂					-12555 Aug 29 j 22:02	0°♂			
evening rise	-12556 Aug 30 j 20:20	21°♂39'19			evening max el	-12555 Sep 01 j 19:12	3°♂20'07	18°51'00			
	-12556 Sep 04 j 19:17	0°♂			retrograde	-12555 Sep 08 j 14:39	7°♂09'46				
evening max el	-12556 Sep 18 j 06:42	19°♂49'48	18°20'21		evening set	-12555 Sep 11 j 15:28	6°♂17'35				
retrograde	-12556 Sep 24 j 21:30	23°♂26'42			asc. node	-12555 Sep 11 j 17:14	6°♂15'04				
asc. node	-12556 Sep 24 j 20:09	23°♂26'41			inferior conj	-12555 Sep 17 j 12:57	0°♂32'51	1°45'38			
evening set	-12556 Sep 27 j 15:32	22°♂46'25			minimum elong	-12555 Sep 17 j 10:32	0°♂40'11	1°45'33			
inferior conj	-12556 Oct 03 j 21:52	17°♂16'09	2°36'29			-12555 Sep 17 j 23:44	30°♂♂				
minimum elong	-12556 Oct 03 j 18:27	17°♂25'41	2°36'11		min. Earth dist.	-12555 Sep 19 j 04:14	28°♂33'40	0.65133 AU			
min. Earth dist.	-12556 Oct 06 j 01:44	14°♂51'49	0.63852 AU		morning rise	-12555 Sep 23 j 05:03	24°♂20'21				
morning rise	-12556 Oct 09 j 20:34	11°♂13'59			direct	-12555 Sep 29 j 16:22	21°♂39'05				
direct	-12556 Oct 16 j 17:43	8°♂31'24			morning max el	-12555 Oct 12 j 15:48	29°♂06'43	26°44'11			
morning max el	-12556 Oct 30 j 05:32	16°♂03'49	27°23'53			-12555 Oct 13 j 13:00	0°♂				
	-12556 Nov 10 j 21:53	0°♂			desc. node	-12555 Oct 29 j 20:45	20°♂54'59				
desc. node	-12556 Nov 12 j 00:01	1°♂30'59				-12555 Nov 04 j 17:15	0°♂				
	-12556 Nov 29 j 10:32	0°♂			morning set	-12555 Nov 17 j 07:37	22°♂07'59				
morning set	-12556 Dec 03 j 21:31	8°♂32'45				-12555 Nov 21 j 08:32	0°♂				
max. Earth dist.	-12556 Dec 09 j 00:06	18°♂56'21	1.33809 AU		max. Earth dist.	-12555 Nov 21 j 18:09	0°♂48'02	1.34928 AU			
superior conj	-12556 Dec 11 j 17:10	24°♂39'42	-1°19'26		superior conj	-12555 Nov 25 j 20:09	9°♂07'45	-1°30'42			
minimum elong	-12556 Dec 11 j 19:07	24°♂50'02	1°19'08		minimum elong	-12555 Nov 25 j 21:36	9°♂15'13	1°30'19			
	-12556 Dec 14 j 05:06	0°♂			evening rise	-12555 Dec 03 j 06:57	24°♂42'26				
evening rise	-12556 Dec 18 j 21:22	9°♂57'09				-12555 Dec 05 j 21:13	0°♂				
asc. node	-12556 Dec 21 j 17:54	15°♂49'19			asc. node	-12555 Dec 08 j 15:19	5°♂22'42				
	-12556 Dec 29 j 10:34	0°♂			evening max el	-12555 Dec 23 j 04:08	26°♂27'44	21°14'10			
evening max el	-12555 Jan 10 j 04:59	15°♂19'51	22°43'47			-12555 Dec 27 j 21:39	0°♂				
retrograde	-12555 Jan 23 j 02:49	21°♂32'23			retrograde	-12554 Jan 03 j 17:19	1°♂53'38				
evening set	-12555 Jan 26 j 12:53	21°♂06'46			evening set	-12554 Jan 06 j 13:48	1°♂34'55				
min. Earth dist.	-12555 Feb 03 j 16:07	17°♂25'42	0.55616 AU			-12554 Jan 11 j 01:03	30°♂♂				
inferior conj	-12555 Feb 04 j 14:38	16°♂53'01	0°53'07		inferior conj	-12554 Jan 15 j 12:09	27°♂35'27	2°32'13			
minimum elong	-12555 Feb 04 j 16:51	16°♂49'48	0°51'51		minimum elong	-12554 Jan 15 j 17:42	27°♂27'29	2°30'24			
desc. node	-12555 Feb 08 j 02:13	14°♂56'44			min. Earth dist.	-12554 Jan 16 j 06:12	27°♂09'29	0.55533 AU			
morning rise	-12555 Feb 13 j 22:09	12°♂49'26			morning rise	-12554 Jan 24 j 20:43	23°♂21'52				
direct	-12555 Feb 16 j 04:52	12°♂37'06			desc. node	-12554 Jan 25 j 22:54	23°♂10'12				
morning max el	-12555 Feb 27 j 13:35	18°♂02'16	20°47'37		direct	-12554 Jan 27 j 20:02	23°♂02'15				
	-12555 Mar 08 j 18:37	0°♂			morning max el	-12554 Feb 09 j 15:17	29°♂16'31	22°14'39			
morning set	-12555 Mar 18 j 15:28	18°♂29'13				-12554 Feb 10 j 09:04	0°♂				
asc. node	-12555 Mar 19 j 15:46	20°♂33'49				-12554 Mar 01 j 10:16	0°♂				
	-12555 Mar 24 j 05:14	0°♂			morning set	-12554 Mar 03 j 01:34	3°♂22'14				
					asc. node	-12554 Mar 06 j 12:53	10°♂40'20				
superior conj	-12555 Mar 26 j 07:21	4°♂17'24	0°57'56								
minimum elong	-12555 Mar 26 j 04:56	4°♂05'03	0°56'47		superior conj	-12554 Mar 10 j 08:29	18°♂44'40	0°34'55			
max. Earth dist.	-12555 Mar 30 j 15:33	12°♂59'55	1.35699 AU		minimum elong	-12554 Mar 10 j 07:00	18°♂36'53	0°33'53			
evening rise	-12555 Apr 04 j 01:44	21°♂29'19			max. Earth dist.	-12554 Mar 13 j 09:54	25°♂06'28	1.34458 AU			
	-12555 Apr 08 j 18:00	0°♂				-12554 Mar 15 j 19:45	0°♂				
	-12555 Apr 27 j 21:33	0°♂			evening rise	-12554 Mar 18 j 10:13	5°♂08'13				
desc. node	-12555 May 07 j 01:27	11°♂20'08				-12554 Apr 01 j 11:37	0°♂				
evening max el	-12555 May 09 j 15:08	14°♂00'56	26°26'35		evening max el	-12554 Apr 22 j 02:06	27°♂14'16	27°11'08			
retrograde	-12555 May 22 j 10:49	21°♂24'58			desc. node	-12554 Apr 23 j 22:49	28°♂58'59				
evening set	-12555 May 28 j 22:23	18°♂39'10				-12554 Apr 25 j 03:11	0°♂				
min. Earth dist.	-12555 Jun 01 j 22:48	14°♂20'21	0.65864 AU		retrograde	-12554 May 05 j 12:08	4°♂48'02				
inferior conj	-12555 Jun 03 j 11:57	12°♂25'07	-2°58'50		evening set	-12554 May 12 j 08:01	2°♂03'41				
minimum elong	-12555 Jun 03 j 13:58	12°♂18'49	2°58'44			-12554 May 14 j 13:47	30°♂♂				
morning rise	-12555 Jun 09 j 05:45	6°♂37'50			min. Earth dist.	-12554 May 16 j 02:31	28°♂21'29	0.64648 AU			
direct	-12555 Jun 12 j 11:18	5°♂38'10			inferior conj	-12554 May 18 j 06:06	25°♂54'10	-3°17'23			
asc. node	-12555 Jun 15 j 16:21	6°♂33'33			minimum elong	-12554 May 18 j 07:23	25°♂50'29	3°17'43			
morning max el	-12555 Jun 19 j 07:54	9°♂29'48	18°56'53		morning rise	-12554 May 24 j 07:16	20°♂22'16				
	-12555 Jul 03 j 19:02	0°♂			direct	-12554 May 27 j 06:32	19°♂34'37				
morning set	-12555 Jul 11 j 01:44	11°♂38'30			asc. node	-12554 Jun 02 j 13:06	22°♂51'24				
	-12555 Jul 22 j 14:31	0°♂			morning max el	-12554 Jun 02 j 19:13	23°♂06'35	18°21'41			
						-12554 Jun 08 j 06:30	0°♂				
superior conj	-12555 Jul 26 j 22:05	6°♂49'52	0°40'21		morning set	-12554 Jun 21 j 19:32	21°♂55'14				
minimum elong	-12555 Jul 27 j 02:46	7°♂08'23	0°40'16			-12554 Jun 26 j 16:25	0°♂				
max. Earth dist.	-12555 Jul 26 j 14:55	6°♂21'27	1.44570 AU								
desc. node	-12555 Aug 02 j 21:43	17°♂54'28			superior conj	-12554 Jul 06 j 00:40	15°♂11'15	1°18'37			
	-12555 Aug 10 j 11:12	0°♂			minimum elong	-12554 Jul 06 j 07:13	15°♂37'27	1°18'14			
evening rise	-12555 Aug 11 j 19:47	2°♂11'03			max. Earth dist.	-12554 Jul 09 j 07:01	20°♂23'56	1.44320 AU			

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12554 Jul 15 j 08:45	0°♄		max. Earth dist.	-12553 Jun 21 j 20:34	4°♄11'23	1.43408 AU
desc. node	-12554 Jul 20 j 19:13	8°♄31'40		evening rise	-12553 Jul 01 j 17:27	19°♄49'41	
evening rise	-12554 Jul 22 j 15:46	11°♄25'49		desc. node	-12553 Jul 07 j 16:43	29°♄01'47	
greatest brilliancy	-12554 Aug 02 j 19:34	28°♄42'54	-0.7m		-12553 Jul 08 j 08:00	0°♄	
	-12554 Aug 03 j 15:53	0°♄			-12553 Jul 29 j 23:07	0°♄	
evening max el	-12554 Aug 16 j 03:43	16°♄50'35	19°38'05	evening max el	-12553 Jul 30 j 06:04	0°♄17'55	20°39'53
retrograde	-12554 Aug 23 j 10:40	21°♄01'53		retrograde	-12553 Aug 07 j 07:20	5°♄00'24	
evening set	-12554 Aug 26 j 20:36	19°♄54'19		evening set	-12553 Aug 11 j 04:30	3°♄34'16	
asc. node	-12554 Aug 29 j 14:14	17°♄28'06			-12553 Aug 14 j 15:55	30°♄	
inferior conj	-12554 Sep 01 j 10:58	13°♄58'04	0°53'21	asc. node	-12553 Aug 16 j 11:09	27°♄37'46	
minimum elong	-12554 Sep 01 j 09:45	14°♄02'01	0°53'38	inferior conj	-12553 Aug 16 j 13:41	27°♄29'12	0°01'59
min. Earth dist.	-12554 Sep 02 j 14:22	12°♄29'22	0.66107 AU	minimum elong	-12553 Aug 16 j 13:37	27°♄29'24	0°02'37
morning rise	-12554 Sep 06 j 22:35	7°♄39'13		transit middle	-12553 Aug 16 j 13:37	27°♄29'24	0°02'37
direct	-12554 Sep 12 j 20:49	5°♄08'15		transit begin	-12553 Aug 16 j 10:55	27°♄38'32	
morning max el	-12554 Sep 25 j 01:51	12°♄19'19	25°41'20	transit end	-12553 Aug 16 j 16:19	27°♄20'16	
	-12554 Oct 09 j 10:08	0°♄		min. Earth dist.	-12553 Aug 17 j 06:01	26°♄34'00	0.66780 AU
desc. node	-12554 Oct 16 j 17:34	10°♄47'16		morning rise	-12553 Aug 21 j 22:35	21°♄07'55	
	-12554 Oct 28 j 08:59	0°♄		direct	-12553 Aug 27 j 06:33	18°♄52'36	
morning set	-12554 Oct 31 j 02:38	4°♄53'47		morning max el	-12553 Sep 07 j 11:42	25°♄34'54	24°23'43
max. Earth dist.	-12554 Nov 04 j 01:41	12°♄15'27	1.36464 AU		-12553 Sep 11 j 12:27	0°♄	
					-12553 Oct 02 j 23:21	0°♄	
superior conj	-12554 Nov 09 j 15:27	23°♄08'23	-1°36'31	desc. node	-12553 Oct 03 j 14:27	0°♄59'28	
minimum elong	-12554 Nov 09 j 15:51	23°♄10'23	1°36'02	morning set	-12553 Oct 13 j 01:21	16°♄36'12	
	-12554 Nov 13 j 00:51	0°♄		max. Earth dist.	-12553 Oct 17 j 02:11	23°♄42'57	1.38322 AU
evening rise	-12554 Nov 17 j 13:11	9°♄12'52			-12553 Oct 20 j 12:41	0°♄	
asc. node	-12554 Nov 25 j 12:43	24°♄29'02					
	-12554 Nov 28 j 22:20	0°♄		superior conj	-12553 Oct 23 j 23:30	6°♄30'51	-1°35'11
evening max el	-12554 Dec 05 j 12:34	8°♄06'37	19°58'25	minimum elong	-12553 Oct 23 j 22:20	6°♄25'17	1°34'32
retrograde	-12554 Dec 15 j 11:54	12°♄47'53		evening rise	-12553 Nov 01 j 13:55	23°♄22'20	
evening set	-12554 Dec 18 j 02:30	12°♄30'07			-12553 Nov 04 j 23:34	0°♄	
inferior conj	-12554 Dec 26 j 14:58	8°♄27'01	3°43'28	asc. node	-12553 Nov 12 j 10:04	12°♄58'58	
minimum elong	-12554 Dec 26 j 19:49	8°♄19'29	3°42'34	evening max el	-12553 Nov 18 j 07:12	20°♄19'21	19°01'24
min. Earth dist.	-12554 Dec 28 j 19:15	7°♄06'08	0.56289 AU	retrograde	-12553 Nov 26 j 21:15	24°♄26'29	
morning rise	-12553 Jan 04 j 11:13	3°♄52'38		evening set	-12553 Nov 29 j 09:09	24°♄07'04	
direct	-12553 Jan 08 j 16:12	3°♄13'18		inferior conj	-12553 Dec 07 j 09:19	19°♄47'57	4°15'02
desc. node	-12553 Jan 12 j 19:33	3°♄52'29		minimum elong	-12553 Dec 07 j 10:35	19°♄45'43	4°15'08
morning max el	-12553 Jan 22 j 08:14	10°♄02'22	23°51'03	min. Earth dist.	-12553 Dec 10 j 09:10	17°♄41'42	0.57694 AU
	-12553 Feb 06 j 01:06	0°♄		morning rise	-12553 Dec 15 j 10:02	14°♄49'42	
morning set	-12553 Feb 15 j 13:46	18°♄25'02		direct	-12553 Dec 20 j 22:48	13°♄37'39	
	-12553 Feb 20 j 23:51	0°♄		desc. node	-12553 Dec 30 j 16:09	17°♄11'53	
asc. node	-12553 Feb 21 j 10:05	0°♄55'10		morning max el	-12552 Jan 03 j 22:57	20°♄45'54	25°23'58
					-12552 Jan 11 j 22:26	0°♄	
superior conj	-12553 Feb 22 j 15:11	3°♄31'37	0°11'22		-12552 Jan 29 j 09:42	0°♄	
minimum elong	-12553 Feb 22 j 14:43	3°♄29'10	0°10'35	morning set	-12552 Jan 31 j 02:10	3°♄30'02	
behind sun begin	-12553 Feb 22 j 10:51	3°♄08'24					
behind sun end	-12553 Feb 22 j 18:35	3°♄49'55		superior conj	-12552 Feb 07 j 01:16	18°♄30'14	-0°11'46
max. Earth dist.	-12553 Feb 24 j 13:51	7°♄40'53	1.33568 AU	minimum elong	-12552 Feb 07 j 01:46	18°♄32'58	0°12'16
evening rise	-12553 Mar 02 j 05:21	19°♄21'40		behind sun begin	-12552 Feb 06 j 22:36	18°♄15'39	
	-12553 Mar 07 j 17:49	0°♄		behind sun end	-12552 Feb 07 j 04:57	18°♄50'16	
	-12553 Mar 26 j 16:27	0°♄		max. Earth dist.	-12552 Feb 08 j 00:12	20°♄34'45	1.33014 AU
evening max el	-12553 Apr 04 j 12:08	10°♄08'56	27°27'35	asc. node	-12552 Feb 08 j 07:20	21°♄13'23	
desc. node	-12553 Apr 10 j 20:03	15°♄15'25			-12552 Feb 12 j 09:56	0°♄	
retrograde	-12553 Apr 18 j 07:14	17°♄43'42		evening rise	-12552 Feb 14 j 07:48	3°♄57'51	
evening set	-12553 Apr 25 j 05:16	15°♄13'24			-12552 Feb 28 j 12:56	0°♄	
min. Earth dist.	-12553 Apr 28 j 21:31	12°♄00'51	0.63059 AU	evening max el	-12552 Mar 16 j 18:39	22°♄32'12	27°11'47
inferior conj	-12553 May 01 j 15:17	9°♄12'00	-3°23'15	desc. node	-12552 Mar 27 j 17:12	29°♄37'43	
minimum elong	-12553 May 01 j 15:16	9°♄12'03	3°23'51		-12552 Mar 29 j 17:50	0°♄	
morning rise	-12553 May 08 j 02:21	3°♄57'47		retrograde	-12552 Mar 30 j 19:17	0°♄03'03	
direct	-12553 May 10 j 20:32	3°♄20'34			-12552 Mar 31 j 20:29	30°♄	
morning max el	-12553 May 17 j 08:53	6°♄43'10	18°04'22	evening set	-12552 Apr 06 j 10:48	27°♄58'49	
asc. node	-12553 May 20 j 09:52	10°♄14'21		min. Earth dist.	-12552 Apr 10 j 07:19	25°♄04'13	0.61179 AU
	-12553 Jun 01 j 15:47	0°♄		inferior conj	-12552 Apr 13 j 12:08	22°♄10'35	-3°11'59
morning set	-12553 Jun 03 j 14:00	3°♄21'48		minimum elong	-12552 Apr 13 j 10:25	22°♄14'31	3°12'33
				morning rise	-12552 Apr 20 j 12:01	17°♄15'51	
superior conj	-12553 Jun 15 j 22:30	24°♄29'29	1°41'48	direct	-12552 Apr 23 j 01:36	16°♄47'48	
minimum elong	-12553 Jun 16 j 02:18	24°♄45'15	1°41'32	morning max el	-12552 Apr 29 j 22:19	20°♄12'53	18°05'33
	-12553 Jun 19 j 06:42	0°♄		asc. node	-12552 May 06 j 06:39	28°♄27'30	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12552 May 07 j 05:53	0°♊		morning max el	-12551 Apr 13 j 08:45	3°♊27'53	18°25'43
morning set	-12552 May 16 j 05:00	15°♊48'21		asc. node	-12551 Apr 23 j 03:29	17°♊19'22	
	-12552 May 24 j 01:19	0°♋		morning set	-12551 Apr 29 j 11:46	29°♊03'47	
					-12551 Apr 29 j 23:35	0°♋	
superior conj	-12552 May 26 j 23:12	5°♋07'29	1°48'59				
minimum elong	-12552 May 26 j 23:17	5°♋07'50	1°48'39	superior conj	-12551 May 09 j 00:26	16°♋59'35	1°43'34
max. Earth dist.	-12552 Jun 03 j 04:42	17°♋25'36	1.41949 AU	minimum elong	-12551 May 08 j 22:10	16°♋49'12	1°42'55
evening rise	-12552 Jun 09 j 22:14	28°♋22'28			-12551 May 16 j 07:45	0°♌	
	-12552 Jun 10 j 22:47	0°♍		max. Earth dist.	-12551 May 16 j 06:50	29°♋56'02	1.40160 AU
desc. node	-12552 Jun 23 j 14:15	19°♍20'35		evening rise	-12551 May 21 j 01:17	8°♌00'46	
	-12552 Jul 01 j 00:39	0°♎			-12551 Jun 04 j 00:34	0°♍	
evening max el	-12552 Jul 12 j 01:18	13°♎40'38	21°53'45	desc. node	-12551 Jun 10 j 11:48	9°♍22'22	
retrograde	-12552 Jul 21 j 02:57	19°♎02'40		evening max el	-12551 Jun 24 j 14:27	26°♍59'50	23°15'05
evening set	-12552 Jul 25 j 13:06	17°♎15'47			-12551 Jun 27 j 21:43	0°♏	
inferior conj	-12552 Jul 30 j 19:08	11°♏04'37	-0°46'45	retrograde	-12551 Jul 04 j 20:05	3°♏04'49	
minimum elong	-12552 Jul 30 j 20:04	11°♏01'22	0°45'52	evening set	-12551 Jul 09 j 20:28	0°♏56'46	
min. Earth dist.	-12552 Jul 31 j 00:52	10°♏44'48	0.67153 AU		-12551 Jul 10 j 20:27	30°♏♐	
asc. node	-12552 Aug 02 j 07:59	7°♏41'17		inferior conj	-12551 Jul 15 j 01:28	24°♐42'01	-1°31'28
morning rise	-12552 Aug 05 j 02:57	4°♏44'36		minimum elong	-12551 Jul 15 j 03:10	24°♐36'09	1°30'34
direct	-12552 Aug 09 j 21:02	2°♏47'10		min. Earth dist.	-12551 Jul 14 j 20:30	24°♐59'11	0.67228 AU
morning max el	-12552 Aug 19 j 22:59	8°♏51'21	23°00'06	morning rise	-12551 Jul 20 j 09:48	18°♐26'56	
	-12552 Sep 05 j 09:44	0°♑		asc. node	-12551 Jul 20 j 04:45	18°♐37'11	
desc. node	-12552 Sep 19 j 11:26	21°♑25'31		direct	-12551 Jul 24 j 15:23	16°♐47'24	
morning set	-12552 Sep 22 j 23:05	27°♑04'41		morning max el	-12551 Aug 02 j 14:03	22°♐09'13	21°38'25
	-12552 Sep 24 j 17:28	0°♒			-12551 Aug 09 j 04:18	0°♑	
max. Earth dist.	-12552 Sep 28 j 01:51	5°♒39'20	1.40297 AU		-12551 Aug 29 j 18:07	0°♑	
				morning set	-12551 Sep 02 j 19:15	6°♑20'00	
superior conj	-12552 Oct 05 j 15:41	19°♒02'25	-1°24'41	desc. node	-12551 Sep 06 j 08:32	12°♑00'13	
minimum elong	-12552 Oct 05 j 12:45	18°♒49'01	1°23'43	max. Earth dist.	-12551 Sep 10 j 05:33	18°♑19'05	1.42127 AU
	-12552 Oct 11 j 13:12	0°♓					
evening rise	-12552 Oct 15 j 06:30	7°♓03'53		superior conj	-12551 Sep 17 j 10:19	0°♒27'32	-1°02'51
	-12552 Oct 28 j 18:14	0°♐		minimum elong	-12551 Sep 17 j 06:17	0°♒10'09	1°01'38
asc. node	-12552 Oct 29 j 07:23	0°♐40'55			-12551 Sep 17 j 03:56	0°♒	
evening max el	-12552 Oct 31 j 10:48	3°♐02'11	18°24'44	evening rise	-12551 Sep 28 j 11:19	20°♒07'58	
retrograde	-12552 Nov 08 j 00:19	6°♐47'17			-12551 Oct 03 j 22:39	0°♓	
evening set	-12552 Nov 10 j 11:19	6°♐24'40		evening max el	-12551 Oct 14 j 20:45	16°♓07'06	18°08'09
inferior conj	-12552 Nov 17 j 22:54	1°♐44'54	4°11'54	asc. node	-12551 Oct 16 j 04:39	17°♓19'56	
minimum elong	-12552 Nov 17 j 20:52	1°♐49'03	4°12'07	retrograde	-12551 Oct 21 j 18:54	19°♓41'12	
	-12552 Nov 20 j 02:08	30°♓♐		evening set	-12551 Oct 24 j 06:58	19°♓13'34	
min. Earth dist.	-12552 Nov 21 j 03:21	29°♓09'50	0.59457 AU	inferior conj	-12551 Oct 31 j 06:22	14°♓12'41	3°44'58
morning rise	-12552 Nov 25 j 04:41	26°♓24'51		minimum elong	-12551 Oct 31 j 02:43	14°♓21'12	3°44'52
direct	-12552 Dec 01 j 16:59	24°♓35'22		min. Earth dist.	-12551 Nov 03 j 04:53	11°♓28'53	0.61296 AU
	-12552 Dec 13 j 14:55	0°♑		morning rise	-12551 Nov 06 j 21:09	8°♓34'09	
morning max el	-12552 Dec 15 j 17:42	1°♑54'27	26°38'18	direct	-12551 Nov 13 j 21:05	6°♓13'43	
desc. node	-12552 Dec 16 j 12:44	2°♑40'54		morning max el	-12551 Nov 27 j 18:40	13°♓39'59	27°22'54
	-12551 Jan 04 j 23:39	0°♒		desc. node	-12551 Dec 03 j 09:17	19°♓45'37	
morning set	-12551 Jan 14 j 13:00	18°♒30'35			-12551 Dec 11 j 00:38	0°♑	
	-12551 Jan 19 j 21:45	0°♓			-12551 Dec 28 j 05:12	0°♒	
				morning set	-12551 Dec 29 j 20:19	3°♒18'57	
superior conj	-12551 Jan 21 j 12:59	3°♓34'12	-0°33'41	max. Earth dist.	-12550 Jan 05 j 01:50	16°♒32'54	1.32896 AU
minimum elong	-12551 Jan 21 j 14:16	3°♓41'14	0°33'53				
max. Earth dist.	-12551 Jan 21 j 13:25	3°♓36'36	1.32789 AU	superior conj	-12550 Jan 06 j 00:39	18°♒36'57	-0°53'41
asc. node	-12551 Jan 25 j 04:37	11°♓30'51		minimum elong	-12550 Jan 06 j 02:28	18°♒46'51	0°53'37
evening rise	-12551 Jan 28 j 15:07	18°♓48'25			-12550 Jan 11 j 06:38	0°♓	
	-12551 Feb 03 j 05:45	0°♑		asc. node	-12550 Jan 12 j 02:00	1°♓43'09	
	-12551 Feb 22 j 18:06	0°♒		evening rise	-12550 Jan 13 j 01:16	3°♓45'52	
evening max el	-12551 Feb 26 j 19:54	4°♒18'15	26°23'43		-12550 Jan 27 j 07:34	0°♑	
retrograde	-12551 Mar 12 j 22:57	11°♒40'12		evening max el	-12550 Feb 08 j 15:58	15°♑31'09	25°08'57
desc. node	-12551 Mar 14 j 14:14	11°♒33'21		retrograde	-12550 Feb 22 j 15:58	22°♑35'33	
evening set	-12551 Mar 18 j 22:05	10°♒09'52		evening set	-12550 Feb 27 j 15:06	21°♑38'19	
min. Earth dist.	-12551 Mar 23 j 09:16	7°♒18'30	0.59193 AU	desc. node	-12550 Mar 01 j 11:09	20°♑50'07	
inferior conj	-12551 Mar 26 j 17:04	4°♒41'48	-2°37'56	min. Earth dist.	-12550 Mar 05 j 05:43	18°♑36'51	0.57379 AU
minimum elong	-12551 Mar 26 j 13:53	4°♒48'07	2°38'07	inferior conj	-12550 Mar 08 j 03:07	16°♑38'38	-1°35'52
morning rise	-12551 Apr 03 j 08:39	0°♒07'00		minimum elong	-12550 Mar 08 j 00:02	16°♑43'56	1°35'48
	-12551 Apr 03 j 19:41	30°♓♑		morning rise	-12550 Mar 16 j 12:13	12°♑21'40	
direct	-12551 Apr 05 j 17:35	29°♑46'45		direct	-12550 Mar 18 j 16:57	12°♑07'08	
	-12551 Apr 07 j 14:37	0°♒		morning max el	-12550 Mar 27 j 13:07	16°♑19'07	19°05'24

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12550 Apr 06 j 09:01	0°♁		transit end	-12549 Feb 16 j 21:08	27°♌52'24	
asc. node	-12550 Apr 10 j 00:24	6°♁41'14		morning rise	-12549 Feb 25 j 19:01	23°♌52'14	
morning set	-12550 Apr 13 j 06:12	12°♁58'34		direct	-12549 Feb 27 j 22:55	23°♌40'17	
				morning max el	-12549 Mar 10 j 08:24	28°♌36'17	20°04'50
superior conj	-12550 Apr 21 j 20:57	29°♁52'11	1°29'38		-12549 Mar 11 j 17:36	0°♌	
minimum elong	-12550 Apr 21 j 17:54	29°♁37'29	1°28'39	asc. node	-12549 Mar 27 j 21:25	26°♌25'21	
	-12550 Apr 21 j 22:35	0°♌		morning set	-12549 Mar 28 j 08:49	27°♌22'42	
max. Earth dist.	-12550 Apr 28 j 06:45	11°♌50'53	1.38293 AU		-12549 Mar 29 j 15:51	0°♁	
evening rise	-12550 May 02 j 08:02	19°♌03'23					
	-12550 May 08 j 19:36	0°♌		superior conj	-12549 Apr 05 j 07:38	13°♁30'39	1°10'26
desc. node	-12550 May 28 j 09:21	29°♌00'12		minimum elong	-12549 Apr 05 j 04:48	13°♁16'30	1°09'17
	-12550 May 29 j 03:43	0°♌		max. Earth dist.	-12549 Apr 10 j 10:42	23°♁33'07	1.36570 AU
evening max el	-12550 Jun 07 j 00:33	10°♌20'07	24°36'58		-12549 Apr 13 j 21:11	0°♌	
retrograde	-12550 Jun 18 j 09:39	17°♌03'42		evening rise	-12549 Apr 14 j 14:32	1°♌19'30	
evening set	-12550 Jun 24 j 00:42	14°♌36'29			-12549 May 01 j 22:09	0°♌	
min. Earth dist.	-12550 Jun 28 j 14:34	9°♌15'54	0.66985 AU	desc. node	-12549 May 15 j 06:51	18°♌03'33	
inferior conj	-12550 Jun 29 j 06:59	8°♌20'31	-2°10'52	evening max el	-12549 May 20 j 10:22	23°♌41'52	25°51'01
minimum elong	-12550 Jun 29 j 09:08	8°♌13'16	2°10'10		-12549 May 28 j 20:31	0°♌	
morning rise	-12550 Jul 04 j 17:32	2°♌13'48		retrograde	-12549 Jun 01 j 18:49	0°♌53'51	
asc. node	-12550 Jul 07 j 01:28	1°♌03'02			-12549 Jun 05 j 09:55	30°♌	
direct	-12550 Jul 08 j 12:24	0°♌51'02		evening set	-12549 Jun 07 j 23:40	28°♌12'31	
morning max el	-12550 Jul 16 j 11:00	5°♌32'07	20°25'09	min. Earth dist.	-12549 Jun 12 j 04:38	23°♌31'14	0.66388 AU
	-12550 Aug 03 j 07:19	0°♌		inferior conj	-12549 Jun 13 j 09:48	21°♌57'23	-2°43'39
morning set	-12550 Aug 12 j 23:39	14°♌52'28		minimum elong	-12549 Jun 13 j 12:00	21°♌50'17	2°43'18
	-12550 Aug 22 j 13:54	0°♌		morning rise	-12549 Jun 19 j 00:23	16°♌02'17	
max. Earth dist.	-12550 Aug 23 j 15:30	1°♌42'40	1.43561 AU	direct	-12549 Jun 22 j 10:23	14°♌54'37	
desc. node	-12550 Aug 24 j 05:46	2°♌40'06		asc. node	-12549 Jun 23 j 22:12	15°♌06'56	
				morning max el	-12549 Jun 29 j 14:26	19°♌01'27	19°24'42
superior conj	-12550 Aug 29 j 02:23	10°♌34'31	-0°28'48		-12549 Jul 08 j 01:32	0°♌	
minimum elong	-12550 Aug 28 j 23:39	10°♌23'16	0°27'43	morning set	-12549 Jul 23 j 07:24	23°♌35'15	
	-12550 Sep 09 j 14:31	0°♌			-12549 Jul 27 j 09:11	0°♌	
evening rise	-12550 Sep 10 j 23:48	2°♌23'55		max. Earth dist.	-12549 Aug 06 j 06:32	15°♌36'50	1.44400 AU
evening max el	-12550 Sep 28 j 10:04	29°♌27'00	18°10'39				
	-12550 Sep 28 j 23:33	0°♌		superior conj	-12549 Aug 08 j 16:03	19°♌25'27	0°14'35
asc. node	-12550 Oct 03 j 01:51	2°♌40'08		minimum elong	-12549 Aug 08 j 17:49	19°♌32'32	0°14'56
retrograde	-12550 Oct 05 j 01:12	2°♌59'59		behind sun begin	-12549 Aug 08 j 13:12	19°♌14'08	
evening set	-12550 Oct 07 j 16:31	2°♌24'59		behind sun end	-12549 Aug 08 j 22:26	19°♌50'56	
	-12550 Oct 11 j 05:43	30°♌		desc. node	-12549 Aug 11 j 03:09	23°♌21'28	
inferior conj	-12550 Oct 14 j 04:41	27°♌04'39	3°03'51		-12549 Aug 15 j 06:13	0°♌	
minimum elong	-12550 Oct 14 j 00:55	27°♌14'33	3°03'33	evening rise	-12549 Aug 23 j 14:15	13°♌37'30	
min. Earth dist.	-12550 Oct 16 j 15:53	24°♌29'42	0.62998 AU		-12549 Sep 02 j 14:16	0°♌	
morning rise	-12550 Oct 20 j 08:23	21°♌10'28		evening max el	-12549 Sep 11 j 23:41	12°♌55'03	18°31'20
direct	-12550 Oct 27 j 09:01	18°♌32'07		retrograde	-12549 Sep 18 j 15:27	16°♌36'02	
morning max el	-12550 Nov 10 j 01:03	26°♌02'44	27°33'07	asc. node	-12549 Sep 19 j 22:56	16°♌26'31	
	-12550 Nov 13 j 19:21	0°♌		evening set	-12549 Sep 21 j 12:11	15°♌50'56	
desc. node	-12550 Nov 20 j 05:53	7°♌59'17		inferior conj	-12549 Sep 27 j 14:31	10°♌13'59	2°15'16
	-12550 Dec 04 j 10:50	0°♌		minimum elong	-12549 Sep 27 j 11:29	10°♌22'47	2°15'02
morning set	-12550 Dec 13 j 21:49	17°♌46'55		min. Earth dist.	-12549 Sep 29 j 12:53	7°♌59'50	0.64434 AU
max. Earth dist.	-12550 Dec 19 j 09:53	29°♌11'37	1.33367 AU	morning rise	-12549 Oct 03 j 10:09	4°♌07'12	
	-12550 Dec 19 j 18:58	0°♌		direct	-12549 Oct 10 j 03:42	1°♌24'10	
superior conj	-12550 Dec 21 j 10:32	3°♌31'58	-1°11'00	morning max el	-12549 Oct 23 j 10:44	8°♌54'52	27°10'25
minimum elong	-12550 Dec 21 j 12:32	3°♌42'49	1°10'46	desc. node	-12549 Nov 07 j 02:35	27°♌02'14	
evening rise	-12550 Dec 28 j 12:31	18°♌43'41			-12549 Nov 09 j 02:57	0°♌	
asc. node	-12550 Dec 29 j 23:25	21°♌45'13			-12549 Nov 26 j 16:53	0°♌	
	-12549 Jan 03 j 03:00	0°♌		morning set	-12549 Nov 27 j 14:39	1°♌45'15	
evening max el	-12549 Jan 21 j 09:22	26°♌24'54	23°38'01	max. Earth dist.	-12549 Dec 02 j 10:11	11°♌23'34	1.34237 AU
	-12549 Jan 25 j 20:54	0°♌		superior conj	-12549 Dec 05 j 16:43	18°♌12'40	-1°24'47
retrograde	-12549 Feb 03 j 20:07	2°♌59'20		minimum elong	-12549 Dec 05 j 18:31	18°♌22'07	1°24'27
evening set	-12549 Feb 07 j 18:17	2°♌25'33			-12549 Dec 11 j 06:06	0°♌	
	-12549 Feb 13 j 07:12	30°♌		evening rise	-12549 Dec 12 j 23:15	3°♌36'05	
min. Earth dist.	-12549 Feb 14 j 22:27	29°♌02'58	0.56056 AU	asc. node	-12549 Dec 16 j 20:51	11°♌31'37	
desc. node	-12549 Feb 16 j 07:59	28°♌12'20			-12549 Dec 27 j 19:39	0°♌	
inferior conj	-12549 Feb 16 j 17:47	27°♌57'27	-0°06'12	evening max el	-12548 Jan 03 j 04:51	7°♌21'48	22°04'23
minimum elong	-12549 Feb 16 j 17:31	27°♌57'53	0°06'46	retrograde	-12548 Jan 15 j 13:38	13°♌14'51	
transit middle	-12549 Feb 16 j 17:31	27°♌57'53	0°06'46	evening set	-12548 Jan 18 j 17:04	12°♌52'58	
transit begin	-12549 Feb 16 j 13:53	28°♌03'22		inferior conj	-12548 Jan 27 j 18:27	8°♌47'28	1°37'01

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12548 Jan 27 j 22:25	8° \mathbb{M} 41'47	1°35'20	inferior conj	-12547 Jan 06 j 16:39	19° \mathbb{A} 30'59	3°07'00
min. Earth dist.	-12548 Jan 27 j 12:59	8° \mathbb{M} 55'16	0.55479 AU	minimum elong	-12547 Jan 06 j 22:26	19° \mathbb{A} 22'28	3°05'26
desc. node	-12548 Feb 03 j 04:43	5° \mathbb{M} 33'02		min. Earth dist.	-12547 Jan 08 j 02:27	18° \mathbb{A} 41'12	0.55759 AU
morning rise	-12548 Feb 06 j 04:11	4° \mathbb{M} 41'53		morning rise	-12547 Jan 15 j 21:26	15° \mathbb{A} 09'30	
direct	-12548 Feb 08 j 16:18	4° \mathbb{M} 27'34		direct	-12547 Jan 19 j 07:54	14° \mathbb{A} 43'31	
morning max el	-12548 Feb 20 j 16:36	10° \mathbb{M} 13'51	21°22'54	desc. node	-12547 Jan 20 j 01:24	14° \mathbb{A} 44'44	
	-12548 Mar 05 j 12:57	0° \mathbb{A}		morning max el	-12547 Feb 01 j 14:10	21° \mathbb{A} 14'30	22°55'08
morning set	-12548 Mar 11 j 16:53	12° \mathbb{A} 08'08			-12547 Feb 09 j 00:01	0° \mathbb{M}	
asc. node	-12548 Mar 13 j 18:33	16° \mathbb{A} 25'50		morning set	-12547 Feb 24 j 04:06	27° \mathbb{M} 06'28	
					-12547 Feb 25 j 13:09	0° \mathbb{A}	
superior conj	-12548 Mar 19 j 04:27	27° \mathbb{A} 43'41	0°48'19	asc. node	-12547 Feb 28 j 15:44	6° \mathbb{A} 36'46	
minimum elong	-12548 Mar 19 j 02:25	27° \mathbb{A} 33'07	0°47'12				
	-12548 Mar 20 j 06:54	0° \mathbb{B}		superior conj	-12547 Mar 03 j 08:16	12° \mathbb{A} 20'43	0°24'57
max. Earth dist.	-12548 Mar 22 j 23:23	5° \mathbb{B} 27'15	1.35133 AU	minimum elong	-12547 Mar 03 j 07:13	12° \mathbb{A} 15'10	0°24'00
evening rise	-12548 Mar 27 j 15:03	14° \mathbb{B} 33'04		max. Earth dist.	-12547 Mar 05 j 21:55	17° \mathbb{A} 45'21	1.34037 AU
	-12548 Apr 05 j 04:37	0° \mathbb{A}		evening rise	-12547 Mar 11 j 04:31	28° \mathbb{A} 28'10	
	-12548 Apr 25 j 13:16	0° \mathbb{H}			-12547 Mar 11 j 23:16	0° \mathbb{B}	
desc. node	-12548 May 01 j 04:13	6° \mathbb{H} 18'41			-12547 Mar 29 j 09:02	0° \mathbb{A}	
evening max el	-12548 May 01 j 20:56	7° \mathbb{H} 00'29	26°48'28	evening max el	-12547 Apr 14 j 07:31	20° \mathbb{A} 06'40	27°21'44
retrograde	-12548 May 14 j 23:03	14° \mathbb{H} 29'24		desc. node	-12547 Apr 18 j 01:30	23° \mathbb{A} 25'57	
evening set	-12548 May 21 j 14:58	11° \mathbb{H} 42'35		retrograde	-12547 Apr 27 j 21:59	27° \mathbb{A} 42'23	
min. Earth dist.	-12548 May 25 j 12:32	7° \mathbb{H} 40'09	0.65402 AU	evening set	-12547 May 04 j 19:46	25° \mathbb{A} 02'03	
inferior conj	-12548 May 27 j 07:48	5° \mathbb{H} 30'22	-3°08'04	min. Earth dist.	-12547 May 08 j 12:34	21° \mathbb{A} 33'52	0.64016 AU
minimum elong	-12548 May 27 j 09:35	5° \mathbb{H} 25'00	3°08'09	inferior conj	-12547 May 10 j 22:29	18° \mathbb{A} 55'23	-3°21'41
	-12548 Jun 01 j 21:31	30° \mathbb{R} \mathbb{A}		minimum elong	-12547 May 10 j 23:17	18° \mathbb{A} 53'11	3°22'09
morning rise	-12548 Jun 02 j 04:28	29° \mathbb{A} 49'32		morning rise	-12547 May 17 j 03:35	13° \mathbb{A} 31'05	
direct	-12548 Jun 05 j 07:14	28° \mathbb{A} 55'10		direct	-12547 May 20 j 00:30	12° \mathbb{A} 48'12	
	-12548 Jun 08 j 18:56	0° \mathbb{H}		morning max el	-12547 May 26 j 12:09	16° \mathbb{A} 14'51	18°12'06
asc. node	-12548 Jun 09 j 18:57	0° \mathbb{H} 40'27		asc. node	-12547 May 27 j 15:43	17° \mathbb{A} 28'12	
morning max el	-12548 Jun 11 j 23:28	2° \mathbb{H} 36'49	18°39'49		-12547 Jun 05 j 08:14	0° \mathbb{H}	
	-12548 Jun 30 j 11:30	0° \mathbb{Y}		morning set	-12547 Jun 13 j 15:19	13° \mathbb{H} 59'18	
morning set	-12548 Jul 02 j 10:44	3° \mathbb{Y} 12'12			-12547 Jun 23 j 04:21	0° \mathbb{Y}	
superior conj	-12548 Jul 17 j 16:12	27° \mathbb{Y} 38'54	0°58'05	superior conj	-12547 Jun 27 j 01:12	6° \mathbb{Y} 19'51	1°30'32
minimum elong	-12548 Jul 17 j 22:19	28° \mathbb{Y} 03'11	0°57'48	minimum elong	-12547 Jun 27 j 06:57	6° \mathbb{Y} 43'12	1°30'11
max. Earth dist.	-12548 Jul 18 j 23:19	29° \mathbb{Y} 42'12	1.44548 AU	max. Earth dist.	-12547 Jul 01 j 14:25	13° \mathbb{Y} 39'42	1.44001 AU
	-12548 Jul 19 j 03:49	0° \mathbb{B}			-12547 Jul 11 j 23:06	0° \mathbb{B}	
desc. node	-12548 Jul 28 j 00:34	14° \mathbb{B} 01'02		evening rise	-12547 Jul 13 j 12:01	2° \mathbb{B} 23'41	
evening rise	-12548 Aug 03 j 01:49	23° \mathbb{B} 36'02		desc. node	-12547 Jul 14 j 22:02	4° \mathbb{B} 35'45	
	-12548 Aug 07 j 02:42	0° \mathbb{II}			-12547 Jul 31 j 18:55	0° \mathbb{II}	
evening max el	-12548 Aug 25 j 10:42	26° \mathbb{II} 25'27	19°09'07	evening max el	-12547 Aug 08 j 16:42	9° \mathbb{II} 54'39	20°02'43
	-12548 Aug 30 j 08:39	0° \mathbb{B}		retrograde	-12547 Aug 16 j 06:50	14° \mathbb{II} 18'38	
retrograde	-12548 Sep 01 j 10:13	0° \mathbb{B} 23'27		evening set	-12547 Aug 19 j 21:12	13° \mathbb{II} 03'39	
	-12548 Sep 03 j 10:40	30° \mathbb{R} \mathbb{II}		asc. node	-12547 Aug 23 j 16:54	9° \mathbb{II} 13'24	
evening set	-12548 Sep 04 j 14:39	29° \mathbb{II} 25'03		inferior conj	-12547 Aug 25 j 09:07	7° \mathbb{II} 03'12	0°31'21
asc. node	-12548 Sep 05 j 19:58	28° \mathbb{II} 32'33		minimum elong	-12547 Aug 25 j 08:24	7° \mathbb{II} 05'34	0°31'47
inferior conj	-12548 Sep 10 j 08:51	23° \mathbb{II} 34'46	1°23'28	min. Earth dist.	-12547 Aug 26 j 07:45	5° \mathbb{II} 48'19	0.66420 AU
minimum elong	-12548 Sep 10 j 06:56	23° \mathbb{II} 40'46	1°23'32	morning rise	-12547 Aug 30 j 19:20	0° \mathbb{II} 42'34	
min. Earth dist.	-12548 Sep 11 j 18:52	21° \mathbb{II} 48'19	0.65574 AU		-12547 Aug 31 j 16:40	30° \mathbb{R} \mathbb{B}	
morning rise	-12548 Sep 15 j 22:47	17° \mathbb{II} 19'01		direct	-12547 Sep 05 j 11:27	28° \mathbb{B} 17'46	
direct	-12548 Sep 22 j 04:37	14° \mathbb{II} 41'34			-12547 Sep 10 j 19:37	0° \mathbb{II}	
morning max el	-12548 Oct 04 j 21:14	22° \mathbb{II} 03'51	26°20'01	morning max el	-12547 Sep 17 j 07:13	5° \mathbb{II} 18'57	25°09'40
	-12548 Oct 11 j 22:32	0° \mathbb{B}			-12547 Oct 06 j 10:54	0° \mathbb{B}	
desc. node	-12548 Oct 23 j 23:20	16° \mathbb{B} 39'31		desc. node	-12547 Oct 10 j 20:10	6° \mathbb{B} 41'09	
	-12548 Nov 01 j 07:41	0° \mathbb{Q}		morning set	-12547 Oct 23 j 05:58	27° \mathbb{B} 22'17	
morning set	-12548 Nov 09 j 18:56	15° \mathbb{Q} 01'30			-12547 Oct 24 j 17:09	0° \mathbb{Q}	
max. Earth dist.	-12548 Nov 13 j 23:59	23° \mathbb{Q} 04'55	1.35531 AU	max. Earth dist.	-12547 Oct 27 j 03:39	4° \mathbb{Q} 27'51	1.37217 AU
	-12548 Nov 17 j 11:15	0° \mathbb{M}					
superior conj	-12548 Nov 18 j 16:47	2° \mathbb{M} 30'14	-1°33'55	superior conj	-12547 Nov 02 j 07:44	16° \mathbb{Q} 15'47	-1°36'57
minimum elong	-12548 Nov 18 j 17:51	2° \mathbb{M} 35'42	1°33'31	minimum elong	-12547 Nov 02 j 07:31	16° \mathbb{Q} 14'46	1°36'25
evening rise	-12548 Nov 26 j 07:39	18° \mathbb{M} 16'11			-12547 Nov 09 j 04:20	0° \mathbb{M}	
	-12548 Dec 02 j 06:21	0° \mathbb{A}		evening rise	-12547 Nov 10 j 11:47	2° \mathbb{M} 38'12	
asc. node	-12548 Dec 02 j 18:15	0° \mathbb{A} 54'58		asc. node	-12547 Nov 19 j 15:36	19° \mathbb{M} 47'05	
evening max el	-12548 Dec 15 j 07:29	18° \mathbb{A} 41'35	20°39'50		-12547 Nov 27 j 05:55	0° \mathbb{A}	
retrograde	-12548 Dec 26 j 04:51	23° \mathbb{A} 48'18		evening max el	-12547 Nov 27 j 20:16	0° \mathbb{A} 35'02	19°31'47
evening set	-12548 Dec 28 j 22:03	23° \mathbb{A} 30'29		retrograde	-12547 Dec 07 j 04:46	5° \mathbb{A} 00'21	
				evening set	-12547 Dec 09 j 17:48	4° \mathbb{A} 42'15	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12547 Dec 18 j 01:12	0°♄33'38	4°01'39	evening max el	-12546 Nov 10 j 19:02	13°♊01'28	18°43'26
minimum elong	-12547 Dec 18 j 04:41	0°♄27'56	4°01'16	retrograde	-12546 Nov 18 j 21:18	16°♊57'17	
	-12547 Dec 18 j 21:42	30°♊		evening set	-12546 Nov 21 j 08:45	16°♊36'37	
min. Earth dist.	-12547 Dec 20 j 15:54	28°♊51'34	0.56821 AU	inferior conj	-12546 Nov 29 j 03:33	12°♊09'20	4°17'20
morning rise	-12547 Dec 26 j 13:26	25°♊48'32		minimum elong	-12546 Nov 29 j 03:15	12°♊09'54	4°17'35
direct	-12547 Dec 31 j 08:17	24°♊56'30		min. Earth dist.	-12546 Dec 02 j 07:11	9°♊48'19	0.58417 AU
desc. node	-12546 Jan 06 j 22:02	26°♊35'19		morning rise	-12546 Dec 06 j 19:52	7°♊01'40	
	-12546 Jan 12 j 01:17	0°♄		direct	-12546 Dec 12 j 20:20	5°♊33'14	
morning max el	-12546 Jan 14 j 05:22	1°♄56'11	24°31'46	desc. node	-12546 Dec 24 j 18:38	10°♊53'38	
	-12546 Feb 02 j 14:49	0°♌		morning max el	-12546 Dec 26 j 20:57	12°♊46'46	25°58'37
morning set	-12546 Feb 08 j 16:33	12°♌10'45			-12545 Jan 09 j 09:51	0°♄	
				morning set	-12545 Jan 24 j 04:31	27°♄14'53	
superior conj	-12546 Feb 15 j 16:38	27°♌13'35	0°01'28		-12545 Jan 25 j 11:47	0°♌	
minimum elong	-12546 Feb 15 j 16:36	27°♌13'23	0°00'48				
behind sun begin	-12546 Feb 15 j 11:30	26°♌45'50		superior conj	-12545 Jan 31 j 03:38	12°♌15'39	-0°21'15
behind sun end	-12546 Feb 15 j 21:42	27°♌40'56		minimum elong	-12545 Jan 31 j 04:30	12°♌20'22	0°21'36
asc. node	-12546 Feb 15 j 12:56	26°♌53'35		max. Earth dist.	-12545 Jan 31 j 16:47	13°♌27'22	1.32880 AU
	-12546 Feb 16 j 23:31	0°♌		asc. node	-12545 Feb 02 j 10:11	17°♌12'20	
max. Earth dist.	-12546 Feb 17 j 04:45	0°♌28'07	1.33293 AU	evening rise	-12545 Feb 07 j 07:55	27°♌36'28	
evening rise	-12546 Feb 23 j 03:06	12°♌52'28			-12545 Feb 08 j 11:57	0°♌	
	-12546 Mar 04 j 04:01	0°♍			-12545 Feb 25 j 15:23	0°♍	
	-12546 Mar 24 j 22:39	0°♍		evening max el	-12545 Mar 09 j 21:00	14°♍58'29	26°55'12
evening max el	-12546 Mar 27 j 16:17	2°♍49'06	27°24'54	desc. node	-12545 Mar 22 j 19:50	22°♍22'18	
desc. node	-12546 Apr 04 j 22:43	8°♍57'59		retrograde	-12545 Mar 23 j 23:13	22°♍25'43	
retrograde	-12546 Apr 10 j 14:31	10°♍23'26		evening set	-12545 Mar 30 j 08:47	20°♍35'47	
evening set	-12546 Apr 17 j 10:45	8°♍02'56		min. Earth dist.	-12545 Apr 03 j 10:17	17°♍44'03	0.60334 AU
min. Earth dist.	-12546 Apr 21 j 03:46	4°♍59'30	0.62281 AU	inferior conj	-12545 Apr 06 j 17:28	14°♍55'06	-3°00'44
inferior conj	-12546 Apr 24 j 02:51	2°♍06'03	-3°20'54	minimum elong	-12545 Apr 06 j 15:02	15°♍00'21	3°01'09
minimum elong	-12546 Apr 24 j 02:08	2°♍07'49	3°21'32	morning rise	-12545 Apr 13 j 23:39	10°♍08'31	
	-12546 Apr 26 j 08:14	30°♌		direct	-12545 Apr 16 j 11:17	9°♍43'55	
morning rise	-12546 Apr 30 j 19:01	26°♍59'56		morning max el	-12545 Apr 23 j 14:33	13°♍14'17	18°11'41
direct	-12546 May 03 j 11:03	26°♍26'56		asc. node	-12545 May 01 j 09:18	23°♍45'31	
morning max el	-12546 May 10 j 02:03	29°♍49'28	18°02'31		-12545 May 04 j 23:45	0°♍	
	-12546 May 10 j 06:18	0°♍		morning set	-12545 May 09 j 17:29	8°♍42'13	
asc. node	-12546 May 14 j 12:29	5°♍14'07					
morning set	-12546 May 26 j 19:06	25°♍52'35		superior conj	-12545 May 19 j 22:03	27°♍22'41	1°47'58
	-12546 May 29 j 02:45	0°♎		minimum elong	-12545 May 19 j 20:56	27°♍17'41	1°47'31
					-12545 May 21 j 09:34	0°♎	
superior conj	-12546 Jun 07 j 10:17	16°♎11'22	1°46'40	max. Earth dist.	-12545 May 27 j 07:02	10°♎10'02	1.41224 AU
minimum elong	-12546 Jun 07 j 12:25	16°♎20'25	1°46'24	evening rise	-12545 Jun 02 j 00:51	19°♎39'30	
max. Earth dist.	-12546 Jun 14 j 01:21	27°♎12'46	1.42840 AU		-12545 Jun 08 j 13:29	0°♏	
	-12546 Jun 15 j 18:30	0°♏		desc. node	-12545 Jun 18 j 17:05	15°♏13'54	
evening rise	-12546 Jun 22 j 11:59	10°♏42'32			-12545 Jun 29 j 12:34	0°♏	
desc. node	-12546 Jul 01 j 19:33	25°♏01'31		evening max el	-12545 Jul 05 j 08:36	6°♏41'31	22°27'47
	-12546 Jul 05 j 03:24	0°♏		retrograde	-12545 Jul 14 j 21:45	12°♏21'06	
evening max el	-12546 Jul 22 j 16:01	23°♏19'54	21°10'08	evening set	-12545 Jul 19 j 13:53	10°♏25'13	
retrograde	-12546 Jul 31 j 03:11	28°♏18'30		inferior conj	-12545 Jul 24 j 19:14	4°♏12'30	-1°06'16
evening set	-12546 Aug 04 j 05:35	26°♏43'57		minimum elong	-12545 Jul 24 j 20:32	4°♏08'00	1°05'22
inferior conj	-12546 Aug 09 j 13:12	20°♏36'10	-0°19'05	min. Earth dist.	-12545 Jul 24 j 20:31	4°♏08'05	0.67233 AU
minimum elong	-12546 Aug 09 j 13:35	20°♏34'50	0°18'20	asc. node	-12545 Jul 28 j 10:36	29°♏31'46	
min. Earth dist.	-12546 Aug 10 j 01:05	19°♏55'30	0.66975 AU		-12545 Jul 28 j 00:34	30°♏	
asc. node	-12546 Aug 10 j 13:46	19°♏12'22		morning rise	-12545 Jul 30 j 03:06	27°♏54'16	
morning rise	-12546 Aug 14 j 21:25	14°♏14'48		direct	-12545 Aug 03 j 15:47	26°♏04'22	
direct	-12546 Aug 19 j 23:27	12°♏06'41			-12545 Aug 11 j 08:04	0°♏	
morning max el	-12546 Aug 30 j 17:10	18°♏33'56	23°48'17	morning max el	-12545 Aug 13 j 05:37	1°♏49'59	22°24'35
	-12546 Sep 09 j 07:10	0°♐			-12545 Sep 03 j 07:27	0°♐	
desc. node	-12546 Sep 27 j 17:05	26°♐59'29		desc. node	-12545 Sep 14 j 14:06	17°♐29'27	
	-12546 Sep 29 j 14:08	0°♑		morning set	-12545 Sep 15 j 04:44	18°♐28'19	
morning set	-12546 Oct 04 j 18:24	8°♑33'26		max. Earth dist.	-12545 Sep 21 j 03:25	28°♐15'47	1.41116 AU
max. Earth dist.	-12546 Oct 09 j 02:20	16°♑01'24	1.39159 AU		-12545 Sep 22 j 04:06	0°♑	
superior conj	-12546 Oct 16 j 09:37	29°♑17'54	-1°32'00	superior conj	-12545 Sep 28 j 17:21	11°♑22'56	-1°16'55
minimum elong	-12546 Oct 16 j 07:41	29°♑08'52	1°31'13	minimum elong	-12545 Sep 28 j 13:46	11°♑07'00	1°15'49
	-12546 Oct 16 j 18:34	0°♒		evening rise	-12545 Oct 08 j 21:21	0°♒02'15	
evening rise	-12546 Oct 25 j 09:20	16°♒35'53			-12545 Oct 08 j 20:52	0°♒	
	-12546 Nov 01 j 12:47	0°♓		asc. node	-12545 Oct 24 j 10:13	25°♒14'37	
asc. node	-12546 Nov 06 j 12:55	7°♓57'51		evening max el	-12545 Oct 25 j 01:41	25°♒54'14	18°15'18

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12545 Nov 01 j 07:24	29° Ω 33'15		retrograde	-12544 Oct 14 j 07:41	12° Ω 39'11	
evening set	-12545 Nov 03 j 18:44	29° Ω 08'35		evening set	-12544 Oct 16 j 20:49	12° Ω 08'44	
inferior conj	-12545 Nov 11 j 00:59	24° Ω 19'28	4°02'46	inferior conj	-12544 Oct 23 j 15:16	6° Ω 59'00	3°28'49
minimum elong	-12545 Nov 10 j 22:03	24° Ω 25'48	4°02'52	minimum elong	-12544 Oct 23 j 11:25	7° Ω 08'28	3°28'36
min. Earth dist.	-12545 Nov 14 j 03:48	21° Ω 38'34	0.60243 AU	min. Earth dist.	-12544 Oct 26 j 09:12	4° Ω 17'16	0.62040 AU
morning rise	-12545 Nov 17 j 23:54	18° Ω 51'32		morning rise	-12544 Oct 30 j 00:52	1° Ω 13'15	
direct	-12545 Nov 24 j 18:41	16° Ω 47'45		direct	-12544 Nov 01 j 01:12	30° \mathbb{R} \mathfrak{S}	
morning max el	-12545 Dec 08 j 18:07	24° Ω 09'18	27°01'32	direct	-12544 Nov 06 j 02:02	28° \mathfrak{S} 43'51	
desc. node	-12545 Dec 11 j 15:12	27° Ω 06'43		desc. node	-12544 Nov 11 j 09:55	0° Ω	
	-12545 Dec 14 j 03:34	0° \mathbb{M}		morning max el	-12544 Nov 19 j 21:55	6° Ω 12'24	27°31'39
	-12544 Jan 02 j 10:50	0° \mathfrak{L}		desc. node	-12544 Nov 27 j 11:47	14° Ω 43'47	
morning set	-12544 Jan 08 j 14:07	12° \mathfrak{L} 11'04		morning set	-12544 Dec 08 j 01:57	0° \mathbb{M}	
				morning set	-12544 Dec 22 j 19:18	26° \mathbb{M} 51'57	
superior conj	-12544 Jan 15 j 15:31	27° \mathfrak{L} 19'38	-0°42'26		-12544 Dec 24 j 07:51	0° \mathfrak{L}	
minimum elong	-12544 Jan 15 j 17:04	27° \mathfrak{L} 28'06	0°42'31	max. Earth dist.	-12544 Dec 28 j 17:29	9° \mathfrak{L} 20'18	1.33048 AU
max. Earth dist.	-12544 Jan 15 j 06:18	26° \mathfrak{L} 29'20	1.32792 AU				
	-12544 Jan 16 j 20:52	0° \mathbb{M}		superior conj	-12544 Dec 30 j 02:37	12° \mathfrak{L} 19'39	-1°01'24
asc. node	-12544 Jan 20 j 07:31	7° \mathbb{M} 28'10		minimum elong	-12544 Dec 30 j 04:34	12° \mathfrak{L} 30'13	1°01'16
evening rise	-12544 Jan 22 j 16:40	12° \mathbb{M} 30'55		evening rise	-12543 Jan 06 j 03:30	27° \mathfrak{L} 29'05	
	-12544 Jan 31 j 16:44	0° \mathfrak{X}		asc. node	-12543 Jan 06 j 04:55	27° \mathfrak{L} 36'34	
evening max el	-12544 Feb 19 j 20:03	26° \mathfrak{X} 29'51	25°54'43		-12543 Jan 07 j 08:27	0° \mathbb{M}	
	-12544 Feb 24 j 00:07	0° \mathfrak{Z}			-12543 Jan 24 j 22:07	0° \mathfrak{X}	
retrograde	-12544 Mar 04 j 22:15	3° \mathfrak{Z} 44'53		evening max el	-12543 Jan 31 j 14:16	7° \mathfrak{X} 31'05	24°31'25
desc. node	-12544 Mar 08 j 16:51	3° \mathfrak{Z} 09'55		retrograde	-12543 Feb 14 j 09:59	14° \mathfrak{X} 24'56	
evening set	-12544 Mar 10 j 12:05	2° \mathfrak{Z} 29'15		evening set	-12543 Feb 18 j 22:21	13° \mathfrak{X} 38'50	
	-12544 Mar 14 j 19:16	30° \mathbb{R} \mathfrak{X}		desc. node	-12543 Feb 23 j 13:45	11° \mathfrak{X} 27'46	
min. Earth dist.	-12544 Mar 15 j 09:23	29° \mathfrak{X} 35'18	0.58389 AU	min. Earth dist.	-12543 Feb 25 j 03:45	10° \mathfrak{X} 29'56	0.56740 AU
inferior conj	-12544 Mar 18 j 14:42	27° \mathfrak{X} 12'47	-2°15'17	inferior conj	-12543 Feb 27 j 16:13	8° \mathfrak{X} 52'37	-1°00'48
minimum elong	-12544 Mar 18 j 11:16	27° \mathfrak{X} 19'10	2°15'18	minimum elong	-12543 Feb 27 j 13:59	8° \mathfrak{X} 56'14	1°00'51
morning rise	-12544 Mar 26 j 13:35	22° \mathfrak{X} 45'54		morning rise	-12543 Mar 08 j 08:43	4° \mathfrak{X} 42'11	
direct	-12544 Mar 28 j 20:49	22° \mathfrak{X} 28'14		direct	-12543 Mar 10 j 12:24	4° \mathfrak{X} 29'15	
morning max el	-12544 Apr 05 j 22:45	26° \mathfrak{X} 20'16	18°40'09	morning max el	-12543 Mar 19 j 23:38	8° \mathfrak{X} 58'05	19°28'20
	-12544 Apr 09 j 04:57	0° \mathfrak{Z}			-12543 Apr 02 j 21:37	0° \mathfrak{Z}	
asc. node	-12544 Apr 17 j 06:11	12° \mathfrak{Z} 51'15		asc. node	-12543 Apr 04 j 03:10	2° \mathfrak{Z} 23'09	
morning set	-12544 Apr 22 j 05:43	22° \mathfrak{Z} 15'58		morning set	-12543 Apr 06 j 03:58	6° \mathfrak{Z} 24'00	
	-12544 Apr 26 j 05:43	0° \approx					
superior conj	-12544 May 01 j 08:12	9° \approx 42'34	1°38'29	superior conj	-12543 Apr 14 j 11:18	22° \mathfrak{Z} 56'21	1°21'59
minimum elong	-12544 May 01 j 05:26	9° \approx 29'38	1°37'42	minimum elong	-12543 Apr 14 j 08:15	22° \mathfrak{Z} 41'25	1°20'54
max. Earth dist.	-12544 May 08 j 08:10	22° \approx 25'48	1.39369 AU	max. Earth dist.	-12543 Apr 18 j 03:16	0° \approx	
evening rise	-12544 May 12 j 15:48	29° \approx 53'37		evening rise	-12543 Apr 20 j 08:51	4° \approx 11'10	1.37530 AU
	-12544 May 12 j 17:18	0° \mathfrak{H}			-12543 Apr 24 j 09:16	11° \approx 28'53	
	-12544 May 31 j 22:56	0° \mathbb{Y}		desc. node	-12543 May 05 j 09:53	0° \mathfrak{H}	
desc. node	-12544 Jun 04 j 14:38	5° \mathbb{Y} 06'36			-12543 May 22 j 12:10	24° \mathfrak{H} 31'12	
evening max el	-12544 Jun 16 j 20:07	20° \mathbb{Y} 01'05	23°50'14		-12543 May 27 j 02:01	0° \mathbb{Y}	
retrograde	-12544 Jun 27 j 13:26	26° \mathbb{Y} 22'55		evening max el	-12543 May 30 j 05:35	3° \mathbb{Y} 21'12	25°09'52
evening set	-12544 Jul 02 j 20:13	24° \mathbb{Y} 06'03		retrograde	-12543 Jun 11 j 01:20	10° \mathbb{Y} 18'56	
min. Earth dist.	-12544 Jul 07 j 15:41	18° \mathbb{Y} 24'08	0.67173 AU	evening set	-12543 Jun 16 j 22:31	7° \mathbb{Y} 44'35	
inferior conj	-12544 Jul 08 j 01:29	17° \mathbb{Y} 50'37	-1°48'55	min. Earth dist.	-12543 Jun 21 j 08:19	2° \mathbb{Y} 40'41	0.66776 AU
minimum elong	-12544 Jul 08 j 03:25	17° \mathbb{Y} 43'59	1°48'04	inferior conj	-12543 Jun 22 j 06:06	1° \mathbb{Y} 28'30	-2°25'44
morning rise	-12544 Jul 13 j 10:35	11° \mathbb{Y} 38'59		minimum elong	-12543 Jun 22 j 08:19	1° \mathbb{Y} 21'07	2°25'08
asc. node	-12544 Jul 14 j 07:22	11° \mathbb{Y} 03'22			-12543 Jun 23 j 09:05	30° \mathbb{R} \mathfrak{H}	
direct	-12544 Jul 17 j 11:23	10° \mathbb{Y} 06'53		morning rise	-12543 Jun 27 j 18:09	25° \mathfrak{H} 26'32	
morning max el	-12544 Jul 25 j 23:10	15° \mathbb{Y} 10'22	21°05'56	direct	-12543 Jul 01 j 08:54	24° \mathfrak{H} 10'38	
	-12544 Aug 06 j 12:53	0° \mathfrak{B}		asc. node	-12543 Jul 01 j 04:06	24° \mathfrak{H} 10'52	
morning set	-12544 Aug 24 j 16:25	27° \mathfrak{B} 20'44		morning max el	-12543 Jul 08 j 23:02	28° \mathfrak{H} 36'24	19°57'39
	-12544 Aug 26 j 09:00	0° \mathbb{I}			-12543 Jul 10 j 05:56	0° \mathbb{Y}	
desc. node	-12544 Aug 31 j 11:16	8° \mathbb{I} 06'57			-12543 Jul 31 j 01:26	0° \mathfrak{B}	
max. Earth dist.	-12544 Sep 02 j 10:29	11° \mathbb{I} 18'11	1.42802 AU	morning set	-12543 Aug 03 j 19:46	5° \mathfrak{B} 50'54	
				max. Earth dist.	-12543 Aug 15 j 22:42	24° \mathfrak{B} 56'08	1.43994 AU
superior conj	-12544 Sep 09 j 01:12	22° \mathbb{I} 16'10	-0°49'50	desc. node	-12543 Aug 18 j 08:33	28° \mathfrak{B} 47'44	
minimum elong	-12544 Sep 08 j 21:19	21° \mathbb{I} 59'46	0°48'37		-12543 Aug 19 j 02:30	0° \mathbb{I}	
	-12544 Sep 13 j 13:35	0° \mathfrak{S}		superior conj	-12543 Aug 20 j 05:21	1° \mathbb{I} 48'23	-0°11'08
evening rise	-12544 Sep 20 j 19:57	12° \mathfrak{S} 48'10		minimum elong	-12543 Aug 20 j 04:12	1° \mathbb{I} 43'47	0°10'18
	-12544 Sep 30 j 18:26	0° Ω		behind sun begin	-12543 Aug 19 j 19:49	1° \mathbb{I} 09'52	
evening max el	-12544 Oct 07 j 13:24	9° Ω 06'22	18°06'53	behind sun end	-12543 Aug 20 j 12:36	2° \mathbb{I} 17'44	
asc. node	-12544 Oct 10 j 07:27	11° Ω 22'24		evening rise	-12543 Sep 02 j 23:49	24° \mathbb{I} 39'34	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12543 Sep 06 j 03:20	0°☿		retrograde	-12542 Sep 11 j 10:17	9°☿46'47	
evening max el	-12543 Sep 21 j 03:10	22°☿30'03	18°17'16	evening set	-12542 Sep 14 j 10:00	8°☿56'31	
asc. node	-12543 Sep 27 j 04:37	26°☿04'05		asc. node	-12542 Sep 14 j 01:41	9°☿07'26	
retrograde	-12543 Sep 27 j 17:53	26°☿05'42		inferior conj	-12542 Sep 20 j 08:41	3°☿13'49	1°53'27
evening set	-12543 Sep 30 j 11:06	25°☿26'56		minimum elong	-12542 Sep 20 j 06:06	3°☿21'35	1°53'20
inferior conj	-12543 Oct 06 j 18:54	19°☿59'14	2°43'51	min. Earth dist.	-12542 Sep 22 j 01:48	1°☿10'32	0.64965 AU
minimum elong	-12543 Oct 06 j 15:22	20°☿08'56	2°43'33		-12542 Sep 23 j 02:13	30°☿II	
min. Earth dist.	-12543 Oct 09 j 00:43	17°☿31'43	0.63642 AU	morning rise	-12542 Sep 26 j 01:38	27°☿II02'44	
morning rise	-12543 Oct 12 j 18:47	13°☿58'58		direct	-12542 Oct 02 j 14:44	24°☿II20'37	
direct	-12543 Oct 19 j 17:05	11°☿16'57			-12542 Oct 13 j 17:45	0°☿	
morning max el	-12543 Nov 02 j 06:09	18°☿49'20	27°27'13	morning max el	-12542 Oct 15 j 16:13	1°☿49'14	26°51'43
	-12543 Nov 11 j 21:26	0°♌		desc. node	-12542 Nov 01 j 05:07	22°☿38'54	
desc. node	-12543 Nov 14 j 08:25	3°♌20'11			-12542 Nov 06 j 00:22	0°♌	
	-12543 Nov 30 j 21:22	0°♍		morning set	-12542 Nov 20 j 05:26	24°♌49'38	
morning set	-12543 Dec 06 j 17:29	11°♍08'14			-12542 Nov 22 j 21:15	0°♍	
max. Earth dist.	-12543 Dec 11 j 22:27	21°♍47'16	1.33682 AU	max. Earth dist.	-12542 Nov 24 j 18:06	3°♍43'44	1.34736 AU
superior conj	-12543 Dec 14 j 11:10	27°♍08'51	-1°17'21	superior conj	-12542 Nov 28 j 15:02	11°♍40'24	-1°29'19
minimum elong	-12543 Dec 14 j 13:08	27°♍19'24	1°17'05	minimum elong	-12542 Nov 28 j 16:35	11°♍48'29	1°28'58
	-12543 Dec 15 j 19:08	0°♎		evening rise	-12542 Dec 06 j 00:35	27°♍11'39	
evening rise	-12543 Dec 21 j 14:41	12°♎24'29			-12542 Dec 07 j 09:17	0°♎	
asc. node	-12543 Dec 24 j 02:21	17°♎32'09		asc. node	-12542 Dec 10 j 23:45	7°♎09'02	
	-12543 Dec 30 j 16:43	0°♏		evening max el	-12542 Dec 26 j 05:49	29°♎26'56	21°26'46
evening max el	-12542 Jan 13 j 07:43	18°♏22'20	22°57'45		-12542 Dec 26 j 20:20	0°♏	
retrograde	-12542 Jan 26 j 09:28	24°♏40'59		retrograde	-12541 Jan 07 j 00:14	4°♏59'38	
evening set	-12542 Jan 29 j 22:16	24°♏13'41		evening set	-12541 Jan 09 j 22:15	4°♏40'20	
min. Earth dist.	-12542 Feb 06 j 19:39	20°♏37'50	0.55700 AU	inferior conj	-12541 Jan 18 j 21:39	0°♏40'01	2°18'33
inferior conj	-12542 Feb 07 j 23:47	19°♏56'38	0°37'24	minimum elong	-12541 Jan 19 j 02:54	0°♏32'30	2°16'41
minimum elong	-12542 Feb 08 j 01:20	19°♏54'22	0°36'18	min. Earth dist.	-12541 Jan 19 j 09:47	0°♏22'40	0.55490 AU
desc. node	-12542 Feb 10 j 10:32	18°♏32'33			-12541 Jan 20 j 01:42	30°☿♎	
morning rise	-12542 Feb 17 j 05:59	15°♏53'02		morning rise	-12541 Jan 28 j 06:58	26°♎28'56	
direct	-12542 Feb 19 j 11:33	15°♏41'00		desc. node	-12541 Jan 28 j 07:16	26°♎28'47	
morning max el	-12542 Mar 02 j 14:25	20°♏58'48	20°36'01	direct	-12541 Jan 31 j 03:00	26°♎11'00	
	-12542 Mar 09 j 21:32	0°♐			-12541 Feb 10 j 01:08	0°♏	
morning set	-12542 Mar 21 j 09:10	20°♐57'46		morning max el	-12541 Feb 12 j 17:40	2°♏18'26	22°00'54
asc. node	-12542 Mar 22 j 00:14	22°♐14'40			-12541 Mar 02 j 22:18	0°♐	
	-12542 Mar 25 j 18:34	0°♑		morning set	-12541 Mar 05 j 18:47	5°♐48'52	
				asc. node	-12541 Mar 08 j 21:21	12°♐19'38	
superior conj	-12542 Mar 29 j 02:43	6°♑50'50	1°01'19				
minimum elong	-12542 Mar 29 j 00:11	6°♑37'57	1°00'09	superior conj	-12541 Mar 13 j 02:47	21°♐14'25	0°38'29
max. Earth dist.	-12542 Apr 02 j 15:40	15°♑53'58	1.35912 AU	minimum elong	-12541 Mar 13 j 01:09	21°♐05'51	0°37'25
evening rise	-12542 Apr 07 j 00:07	24°♑11'39		max. Earth dist.	-12541 Mar 16 j 08:37	27°♐57'14	1.34620 AU
	-12542 Apr 10 j 04:27	0°♒			-12541 Mar 17 j 08:47	0°♑	
	-12542 Apr 28 j 23:18	0°♓		evening rise	-12541 Mar 21 j 06:39	7°♑44'17	
desc. node	-12542 May 09 j 09:37	13°♓16'27			-12541 Apr 02 j 18:44	0°♒	
evening max el	-12542 May 12 j 15:39	16°♓42'38	26°18'00	evening max el	-12541 Apr 25 j 02:36	29°♒57'52	27°06'09
retrograde	-12542 May 25 j 08:42	24°♓03'59			-12541 Apr 25 j 03:28	0°♓	
evening set	-12542 May 31 j 18:34	21°♓19'08		desc. node	-12541 Apr 26 j 06:59	1°♓05'35	
min. Earth dist.	-12542 Jun 04 j 20:08	16°♓54'26	0.66012 AU	retrograde	-12541 May 08 j 10:42	7°♓30'24	
inferior conj	-12542 Jun 06 j 07:09	15°♓04'40	-2°55'13	evening set	-12541 May 15 j 05:44	4°♓45'06	
minimum elong	-12542 Jun 06 j 09:14	14°♓58'06	2°55'01	min. Earth dist.	-12541 May 19 j 00:58	0°♓57'47	0.64857 AU
morning rise	-12542 Jun 12 j 00:03	9°♓15'09			-12541 May 19 j 21:07	30°☿♓	
direct	-12542 Jun 15 j 06:41	8°♓13'28		inferior conj	-12541 May 21 j 02:21	28°♓34'53	-3°15'23
asc. node	-12542 Jun 18 j 00:50	8°♓54'39		minimum elong	-12541 May 21 j 03:48	28°♓30'42	3°15'39
morning max el	-12542 Jun 22 j 05:02	12°♓08'50	19°03'32	morning rise	-12541 May 27 j 02:16	23°♓00'31	
	-12542 Jul 05 j 01:24	0°♔		direct	-12541 May 30 j 02:26	22°♓11'06	
morning set	-12542 Jul 14 j 10:26	14°♔52'56		asc. node	-12541 Jun 04 j 21:34	25°♓01'18	
	-12542 Jul 23 j 22:59	0°♕		morning max el	-12541 Jun 05 j 15:46	25°♓45'12	18°25'50
max. Earth dist.	-12542 Jul 29 j 14:21	8°♕55'29	1.44551 AU		-12541 Jun 09 j 05:44	0°♕	
				morning set	-12541 Jun 25 j 00:27	24°♕59'24	
					-12541 Jun 28 j 01:15	0°♔	
superior conj	-12542 Jul 30 j 10:58	10°♕17'06	0°33'42				
minimum elong	-12542 Jul 30 j 14:57	10°♕32'54	0°33'45				
desc. node	-12542 Aug 05 j 05:55	19°♕28'47		superior conj	-12541 Jul 09 j 12:10	18°♔34'18	1°13'42
	-12542 Aug 11 j 19:30	0°♖		minimum elong	-12541 Jul 09 j 18:47	19°♔00'41	1°13'19
evening rise	-12542 Aug 15 j 03:14	5°♖22'05		max. Earth dist.	-12541 Jul 12 j 06:50	22°♔59'44	1.44406 AU
	-12542 Aug 30 j 19:22	0°☿			-12541 Jul 16 j 17:04	0°♕	
evening max el	-12542 Sep 04 j 16:03	5°☿59'48	18°45'23	desc. node	-12541 Jul 23 j 03:21	10°♕06'40	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12541 Jul 26 j 03:05	14° $\text{8}^{\circ}47'52$				-12540 Jul 08 j 14:55	0° 8°	
	-12541 Aug 04 j 21:17	0° II°		desc. node		-12540 Jul 09 j 00:50	0° $\text{8}^{\circ}38'02$	
greatest brilliancy	-12541 Aug 05 j 09:07	0° $\text{II}^{\circ}45'28$	-0.7m			-12540 Jul 29 j 12:29	0° II°	
evening max el	-12541 Aug 19 j 01:16	19° $\text{II}^{\circ}30'28$	19°30'07	evening max el		-12540 Aug 01 j 04:34	2° $\text{II}^{\circ}58'12$	20°29'51
retrograde	-12541 Aug 26 j 06:01	23° $\text{II}^{\circ}37'54$		retrograde		-12540 Aug 09 j 02:44	7° $\text{II}^{\circ}35'41$	
evening set	-12541 Aug 29 j 14:30	22° $\text{II}^{\circ}32'45$		evening set		-12540 Aug 12 j 22:06	6° $\text{II}^{\circ}12'27$	
asc. node	-12541 Aug 31 j 22:39	20° $\text{II}^{\circ}33'43$		asc. node		-12540 Aug 17 j 19:34	0° $\text{II}^{\circ}49'53$	
inferior conj	-12541 Sep 04 j 05:48	16° $\text{II}^{\circ}37'55$	1°01'16	inferior conj		-12540 Aug 18 j 07:56	0° $\text{II}^{\circ}08'25$	0°09'39
minimum elong	-12541 Sep 04 j 04:24	16° $\text{II}^{\circ}42'25$	1°01'28	minimum elong		-12540 Aug 18 j 07:42	0° $\text{II}^{\circ}09'11$	0°10'13
min. Earth dist.	-12541 Sep 05 j 10:52	15° $\text{II}^{\circ}04'37$	0.65979 AU	transit middle		-12540 Aug 18 j 07:42	0° $\text{II}^{\circ}09'11$	0°10'13
morning rise	-12541 Sep 09 j 17:58	10° $\text{II}^{\circ}19'53$		transit begin		-12540 Aug 18 j 05:33	0° $\text{II}^{\circ}16'23$	
direct	-12541 Sep 15 j 18:14	7° $\text{II}^{\circ}47'05$		transit end		-12540 Aug 18 j 09:50	0° $\text{II}^{\circ}01'58$	
morning max el	-12541 Sep 28 j 02:23	15° $\text{II}^{\circ}01'12$	25°51'56			-12540 Aug 18 j 10:25	30° R°	
	-12541 Oct 10 j 12:15	0° 6°		min. Earth dist.		-12540 Aug 19 j 01:50	29° $\text{8}^{\circ}08'09$	0.66694 AU
desc. node	-12541 Oct 19 j 01:54	12° $\text{6}^{\circ}27'39$		morning rise		-12540 Aug 23 j 17:07	23° $\text{8}^{\circ}47'10$	
	-12541 Oct 29 j 19:05	0° 8°		direct		-12540 Aug 29 j 03:08	21° $\text{8}^{\circ}29'26$	
morning set	-12541 Nov 03 j 03:01	7° $\text{8}^{\circ}44'01$		morning max el		-12540 Sep 09 j 12:16	28° $\text{8}^{\circ}16'58$	24°35'56
max. Earth dist.	-12541 Nov 07 j 03:18	15° $\text{8}^{\circ}14'55$	1.36209 AU			-12540 Sep 11 j 03:41	0° II°	
						-12540 Oct 03 j 06:29	0° 6°	
superior conj	-12541 Nov 12 j 11:41	25° $\text{8}^{\circ}46'05$	-1°36'04	desc. node		-12540 Oct 04 j 22:43	2° $\text{6}^{\circ}37'05$	
minimum elong	-12541 Nov 12 j 12:16	25° $\text{8}^{\circ}49'04$	1°35'37	morning set		-12540 Oct 15 j 05:05	19° $\text{6}^{\circ}36'41$	
	-12541 Nov 14 j 13:47	0° II°		max. Earth dist.		-12540 Oct 19 j 04:33	26° $\text{6}^{\circ}40'44$	1.38028 AU
evening rise	-12541 Nov 20 j 07:27	11° $\text{II}^{\circ}45'14$				-12540 Oct 21 j 00:08	0° 8°	
asc. node	-12541 Nov 27 j 21:07	26° $\text{II}^{\circ}20'20$						
	-12541 Nov 30 j 00:57	0° 9°		superior conj		-12540 Oct 25 j 21:38	9° $\text{8}^{\circ}14'41$	-1°35'58
evening max el	-12541 Dec 08 j 12:43	11° $\text{9}^{\circ}01'05$	20°08'34	minimum elong		-12540 Oct 25 j 20:44	9° $\text{8}^{\circ}10'21$	1°35'20
retrograde	-12541 Dec 18 j 17:36	15° $\text{9}^{\circ}48'40$		evening rise		-12540 Nov 03 j 09:08	25° $\text{8}^{\circ}58'04$	
evening set	-12541 Dec 21 j 08:49	15° $\text{9}^{\circ}30'56$				-12540 Nov 05 j 10:18	0° II°	
inferior conj	-12541 Dec 29 j 22:57	11° $\text{9}^{\circ}29'07$	3°35'10	asc. node		-12540 Nov 13 j 18:28	14° $\text{II}^{\circ}56'24$	
minimum elong	-12541 Dec 30 j 04:10	11° $\text{9}^{\circ}21'08$	3°34'05	evening max el		-12540 Nov 20 j 05:49	23° $\text{II}^{\circ}08'38$	19°08'39
min. Earth dist.	-12541 Dec 31 j 22:49	10° $\text{9}^{\circ}16'10$	0.56131 AU	retrograde		-12540 Nov 29 j 00:28	27° $\text{II}^{\circ}20'17$	
morning rise	-12540 Jan 07 j 21:45	6° $\text{9}^{\circ}58'20$		evening set		-12540 Dec 01 j 12:34	27° $\text{II}^{\circ}01'16$	
direct	-12540 Jan 11 j 21:44	6° $\text{9}^{\circ}22'58$		inferior conj		-12540 Dec 09 j 14:37	22° $\text{II}^{\circ}45'01$	4°12'44
desc. node	-12540 Jan 15 j 03:55	6° $\text{9}^{\circ}47'10$		minimum elong		-12540 Dec 09 j 16:28	22° $\text{II}^{\circ}41'48$	4°12'44
morning max el	-12540 Jan 25 j 11:38	13° $\text{9}^{\circ}07'35$	23°36'31	min. Earth dist.		-12540 Dec 12 j 12:33	20° $\text{II}^{\circ}44'34$	0.57453 AU
	-12540 Feb 07 j 07:17	0° II°		morning rise		-12540 Dec 17 j 18:21	17° $\text{II}^{\circ}50'01$	
morning set	-12540 Feb 18 j 06:46	20° $\text{II}^{\circ}50'45$		direct		-12540 Dec 23 j 02:33	16° $\text{II}^{\circ}43'31$	
	-12540 Feb 22 j 13:57	0° X°		desc. node		-12539 Jan 01 j 00:31	19° $\text{II}^{\circ}44'01$	
asc. node	-12540 Feb 23 j 18:32	2° $\text{X}^{\circ}33'35$		morning max el		-12539 Jan 06 j 02:20	23° $\text{II}^{\circ}49'57$	25°10'53
						-12539 Jan 11 j 16:43	0° 9°	
superior conj	-12540 Feb 25 j 08:47	5° $\text{X}^{\circ}58'55$	0°14'56			-12539 Jan 29 j 22:09	0° II°	
minimum elong	-12540 Feb 25 j 08:11	5° $\text{X}^{\circ}55'39$	0°14'06	morning set		-12539 Feb 01 j 19:14	5° $\text{II}^{\circ}55'45$	
behind sun begin	-12540 Feb 25 j 05:50	5° $\text{X}^{\circ}43'07$						
behind sun end	-12540 Feb 25 j 10:31	6° $\text{X}^{\circ}08'11$		superior conj		-12539 Feb 08 j 18:30	20° $\text{II}^{\circ}56'12$	-0°08'21
max. Earth dist.	-12540 Feb 27 j 11:18	10° $\text{X}^{\circ}27'47$	1.33682 AU	minimum elong		-12539 Feb 08 j 18:52	20° $\text{II}^{\circ}58'12$	0°08'52
evening rise	-12540 Mar 04 j 00:25	21° $\text{X}^{\circ}53'09$		behind sun begin		-12539 Feb 08 j 14:40	20° $\text{II}^{\circ}35'20$	
	-12540 Mar 08 j 04:51	0° 3°		behind sun end		-12539 Feb 08 j 23:05	21° $\text{II}^{\circ}21'02$	
	-12540 Mar 26 j 15:18	0° 6°		asc. node		-12539 Feb 09 j 15:46	22° $\text{II}^{\circ}51'32$	
evening max el	-12540 Apr 06 j 12:48	12° $\text{6}^{\circ}55'24$	27°27'01	max. Earth dist.		-12539 Feb 09 j 20:50	23° $\text{II}^{\circ}18'56$	1.33078 AU
desc. node	-12540 Apr 12 j 04:15	17° $\text{6}^{\circ}36'01$				-12539 Feb 12 j 23:42	0° X°	
retrograde	-12540 Apr 20 j 06:42	20° $\text{6}^{\circ}30'25$		evening rise		-12539 Feb 16 j 01:57	6° $\text{X}^{\circ}26'22$	
evening set	-12540 Apr 27 j 05:00	17° $\text{6}^{\circ}57'03$				-12539 Feb 28 j 19:15	0° 3°	
min. Earth dist.	-12540 Apr 30 j 21:11	14° $\text{6}^{\circ}40'53$	0.63319 AU	evening max el		-12539 Mar 19 j 19:54	25° $\text{6}^{\circ}23'30$	27°16'10
inferior conj	-12540 May 03 j 13:01	11° $\text{6}^{\circ}54'16$	-3°23'22			-12539 Mar 25 j 10:58	0° 6°	
minimum elong	-12540 May 03 j 13:14	11° $\text{6}^{\circ}53'42$	3°23'58	desc. node		-12539 Mar 30 j 01:26	2° $\text{6}^{\circ}17'38$	
morning rise	-12540 May 09 j 22:28	6° $\text{6}^{\circ}37'26$		retrograde		-12539 Apr 02 j 20:02	2° $\text{6}^{\circ}55'38$	
direct	-12540 May 12 j 17:22	5° $\text{6}^{\circ}58'46$		evening set		-12539 Apr 09 j 13:06	0° $\text{6}^{\circ}46'45$	
morning max el	-12540 May 19 j 05:13	9° $\text{6}^{\circ}21'55$	18°05'48			-12539 Apr 10 j 16:35	30° R°	
asc. node	-12540 May 21 j 18:19	12° $\text{6}^{\circ}15'06$		min. Earth dist.		-12539 Apr 13 j 08:21	27° $\text{6}^{\circ}50'23$	0.61469 AU
	-12540 Jun 02 j 00:42	0° X°		inferior conj		-12539 Apr 16 j 11:56	24° $\text{6}^{\circ}56'02$	-3°15'03
morning set	-12540 Jun 05 j 15:24	6° $\text{X}^{\circ}15'38$		minimum elong		-12539 Apr 16 j 10:29	24° $\text{6}^{\circ}59'26$	3°15'39
				morning rise		-12539 Apr 23 j 09:44	19° $\text{6}^{\circ}58'27$	
superior conj	-12540 Jun 18 j 06:17	27° $\text{X}^{\circ}41'32$	1°39'24	direct		-12539 Apr 25 j 23:56	19° $\text{6}^{\circ}29'11$	
minimum elong	-12540 Jun 18 j 10:39	27° $\text{X}^{\circ}59'34$	1°39'07	morning max el		-12539 May 02 j 18:54	22° $\text{6}^{\circ}53'12$	18°04'11
	-12540 Jun 19 j 15:56	0° Y°				-12539 May 08 j 09:29	0° 6°	
max. Earth dist.	-12540 Jun 23 j 21:00	6° $\text{Y}^{\circ}50'41$	1.43580 AU	asc. node		-12539 May 08 j 15:07	0° $\text{6}^{\circ}21'29$	
evening rise	-12540 Jul 04 j 06:19	23° $\text{Y}^{\circ}15'59$		morning set		-12539 May 19 j 03:39	18° $\text{6}^{\circ}33'47$	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12539 May 25 j 11:54	0°♄		superior conj	-12538 May 12 j 00:56	19°♄49'24	1°45'02
				minimum elong	-12538 May 11 j 22:55	19°♄40'13	1°44'26
superior conj	-12539 May 30 j 03:01	8°♄07'42	1°48'49		-12538 May 17 j 18:08	0°♄	
minimum elong	-12539 May 30 j 03:35	8°♄10'12	1°48'31	max. Earth dist.	-12538 May 19 j 08:38	2°♄46'16	1.40437 AU
max. Earth dist.	-12539 Jun 06 j 05:51	20°♄09'59	1.42188 AU	evening rise	-12538 May 24 j 08:15	11°♄09'30	
	-12539 Jun 12 j 07:14	0°♄			-12538 Jun 05 j 06:48	0°♄	
evening rise	-12539 Jun 13 j 09:08	1°♄42'59		desc. node	-12538 Jun 12 j 19:58	11°♄03'32	
desc. node	-12539 Jun 25 j 22:23	20°♄58'52		evening max el	-12538 Jun 27 j 14:49	29°♄41'01	23°02'47
	-12539 Jul 02 j 03:20	0°♄			-12538 Jun 27 j 22:24	0°♄	
evening max el	-12539 Jul 15 j 00:50	16°♄21'27	21°42'09	retrograde	-12538 Jul 07 j 16:13	5°♄39'33	
retrograde	-12539 Jul 23 j 22:40	21°♄37'28		evening set	-12538 Jul 12 j 14:25	3°♄34'44	
evening set	-12539 Jul 28 j 06:43	19°♄53'51			-12538 Jul 15 j 20:22	30°♄♂	
inferior conj	-12539 Aug 02 j 13:05	13°♄43'24	-0°39'34	inferior conj	-12538 Jul 17 j 19:26	27°♄20'29	-1°25'00
minimum elong	-12539 Aug 02 j 13:53	13°♄40'37	0°38'44	minimum elong	-12538 Jul 17 j 21:02	27°♄14'56	1°24'06
min. Earth dist.	-12539 Aug 02 j 20:24	13°♄18'08	0.67114 AU	min. Earth dist.	-12538 Jul 17 j 16:08	27°♄31'53	0.67237 AU
asc. node	-12539 Aug 04 j 16:24	10°♄50'21		asc. node	-12538 Jul 22 j 13:12	21°♄35'05	
morning rise	-12539 Aug 07 j 20:57	7°♄22'50		morning rise	-12538 Jul 23 j 03:35	21°♄04'22	
direct	-12539 Aug 12 j 17:02	5°♄22'38		direct	-12538 Jul 27 j 10:57	19°♄22'07	
morning max el	-12539 Aug 22 j 23:11	11°♄33'14	23°12'35	morning max el	-12538 Aug 05 j 13:28	24°♄50'10	21°50'09
	-12539 Sep 06 j 13:41	0°♄			-12538 Aug 10 j 01:42	0°♄	
desc. node	-12539 Sep 21 j 19:41	23°♄01'12			-12538 Aug 31 j 01:34	0°♄	
morning set	-12539 Sep 26 j 06:43	0°♄16'19		morning set	-12538 Sep 06 j 06:21	9°♄41'07	
	-12539 Sep 26 j 02:46	0°♄		desc. node	-12538 Sep 08 j 16:47	13°♄34'40	
max. Earth dist.	-12539 Oct 01 j 03:39	8°♄29'54	1.40006 AU	max. Earth dist.	-12538 Sep 13 j 06:25	21°♄02'11	1.41878 AU
					-12538 Sep 18 j 14:03	0°♄	
superior conj	-12539 Oct 08 j 16:30	21°♄54'22	-1°26'59				
minimum elong	-12539 Oct 08 j 13:49	21°♄42'02	1°26'03	superior conj	-12538 Sep 20 j 14:46	3°♄30'25	-1°06'57
	-12539 Oct 13 j 00:41	0°♄		minimum elong	-12538 Sep 20 j 10:47	3°♄13'07	1°05'46
evening rise	-12539 Oct 18 j 03:07	9°♄43'49		evening rise	-12538 Oct 01 j 09:58	22°♄53'53	
	-12539 Oct 29 j 15:03	0°♄			-12538 Oct 05 j 07:27	0°♄	
asc. node	-12539 Oct 31 j 15:47	2°♄46'01		evening max el	-12538 Oct 17 j 17:28	18°♄49'16	18°09'23
evening max el	-12539 Nov 03 j 08:14	5°♄47'05	18°28'56	asc. node	-12538 Oct 18 j 13:02	19°♄35'26	
retrograde	-12539 Nov 11 j 00:48	9°♄34'33		retrograde	-12538 Oct 24 j 17:14	22°♄24'09	
evening set	-12539 Nov 13 j 11:49	9°♄12'31		evening set	-12538 Oct 27 j 05:05	21°♄57'19	
inferior conj	-12539 Nov 21 j 01:16	4°♄36'07	4°14'10	inferior conj	-12538 Nov 03 j 06:15	16°♄59'31	3°50'08
minimum elong	-12539 Nov 20 j 23:38	4°♄39'24	4°14'25	minimum elong	-12538 Nov 03 j 02:44	17°♄07'33	3°50'06
min. Earth dist.	-12539 Nov 24 j 05:57	2°♄03'55	0.59184 AU	min. Earth dist.	-12538 Nov 06 j 06:08	14°♄15'49	0.61029 AU
	-12539 Nov 27 j 05:08	30°♄♂		morning rise	-12538 Nov 09 j 23:01	11°♄23'43	
morning rise	-12539 Nov 28 j 09:39	29°♄19'06		direct	-12538 Nov 16 j 22:04	9°♄07'07	
direct	-12539 Dec 04 j 19:17	27°♄34'47		morning max el	-12538 Nov 30 j 20:05	16°♄32'09	27°18'28
	-12539 Dec 12 j 14:34	0°♄		desc. node	-12538 Dec 05 j 17:41	21°♄47'17	
desc. node	-12539 Dec 18 j 21:06	4°♄55'07			-12538 Dec 12 j 01:49	0°♄	
morning max el	-12539 Dec 18 j 20:09	4°♄52'51	26°28'54		-12538 Dec 29 j 17:39	0°♄	
	-12538 Jan 06 j 07:46	0°♄		morning set	-12537 Jan 01 j 14:28	5°♄47'59	
morning set	-12538 Jan 17 j 06:26	20°♄57'10		max. Earth dist.	-12537 Jan 07 j 22:38	19°♄18'12	1.32856 AU
	-12538 Jan 21 j 12:08	0°♄					
superior conj	-12538 Jan 24 j 06:06	5°♄59'42	-0°30'29	superior conj	-12537 Jan 08 j 17:55	21°♄03'17	-0°50'48
minimum elong	-12538 Jan 24 j 07:17	6°♄06'10	0°30'42	minimum elong	-12537 Jan 08 j 19:41	21°♄12'52	0°50'47
max. Earth dist.	-12538 Jan 24 j 09:47	6°♄19'50	1.32801 AU		-12537 Jan 12 j 20:37	0°♄	
asc. node	-12538 Jan 27 j 13:05	13°♄09'20		asc. node	-12537 Jan 14 j 10:27	3°♄22'47	
evening rise	-12538 Jan 31 j 08:41	21°♄15'14		evening rise	-12537 Jan 15 j 18:34	6°♄12'28	
	-12538 Feb 04 j 17:00	0°♄			-12537 Jan 28 j 11:34	0°♄	
	-12538 Feb 23 j 09:18	0°♄		evening max el	-12537 Feb 11 j 19:00	18°♄33'27	25°21'29
evening max el	-12538 Mar 01 j 22:04	7°♄15'26	26°32'49	retrograde	-12537 Feb 25 j 19:51	25°♄40'45	
retrograde	-12538 Mar 16 j 01:11	14°♄39'12		evening set	-12537 Mar 02 j 22:52	24°♄39'07	
desc. node	-12538 Mar 16 j 22:30	14°♄37'10		desc. node	-12537 Mar 03 j 19:28	24°♄17'20	
evening set	-12538 Mar 22 j 03:14	13°♄03'45		min. Earth dist.	-12537 Mar 08 j 08:40	21°♄39'57	0.57628 AU
min. Earth dist.	-12538 Mar 26 j 11:31	10°♄12'40	0.59482 AU	inferior conj	-12537 Mar 11 j 08:35	19°♄34'57	-1°47'17
inferior conj	-12538 Mar 29 j 19:31	7°♄32'03	-2°44'53	minimum elong	-12537 Mar 11 j 05:20	19°♄40'40	1°47'11
minimum elong	-12538 Mar 29 j 16:29	7°♄38'11	2°45'07	morning rise	-12537 Mar 19 j 15:01	15°♄15'26	
morning rise	-12538 Apr 06 j 08:35	2°♄54'12		direct	-12537 Mar 21 j 20:23	15°♄00'09	
direct	-12538 Apr 08 j 18:09	2°♄32'56		morning max el	-12537 Mar 30 j 11:28	19°♄06'34	18°58'11
morning max el	-12538 Apr 16 j 05:59	6°♄10'57	18°21'28		-12537 Apr 07 j 15:31	0°♄	
asc. node	-12538 Apr 25 j 11:59	19°♄08'17		asc. node	-12537 Apr 12 j 08:57	8°♄26'29	
	-12538 May 01 j 10:39	0°♄		morning set	-12537 Apr 16 j 01:23	15°♄32'34	
morning set	-12538 May 02 j 08:24	1°♄42'39			-12537 Apr 23 j 10:50	0°♄	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12537 Apr 24 j 18:57	2°≈34'02	1°32'10	superior conj	-12536 Apr 07 j 03:49	16°≈306'29	1°13'35
minimum elong	-12537 Apr 24 j 15:56	2°≈19'37	1°31'13	minimum elong	-12536 Apr 07 j 00:54	15°≈352'02	1°12'27
max. Earth dist.	-12537 May 01 j 08:48	14°≈46'23	1.38572 AU	max. Earth dist.	-12536 Apr 12 j 11:53	26°≈329'13	1.36812 AU
evening rise	-12537 May 05 j 11:02	21°≈59'55			-12536 Apr 14 j 08:48	0°≈	
	-12537 May 10 j 04:33	0°≈		evening rise	-12536 Apr 16 j 14:21	4°≈05'53	
	-12537 May 30 j 03:55	0°≈			-12536 May 02 j 03:51	0°≈	
desc. node	-12537 May 30 j 17:31	0°≈45'20		desc. node	-12536 May 16 j 15:00	19°≈54'34	
evening max el	-12537 Jun 10 j 01:16	13°≈01'04	24°25'03	evening max el	-12536 May 22 j 10:56	26°≈22'25	25°40'48
retrograde	-12537 Jun 21 j 06:19	19°≈38'59			-12536 May 26 j 12:37	0°≈	
evening set	-12537 Jun 26 j 19:15	17°≈14'22		retrograde	-12536 Jun 03 j 16:09	3°≈30'56	
min. Earth dist.	-12537 Jul 01 j 10:33	11°≈48'11	0.67047 AU	evening set	-12536 Jun 09 j 19:09	0°≈51'04	
inferior conj	-12537 Jul 02 j 01:12	10°≈58'34	-2°05'21		-12536 Jun 10 j 16:47	30°≈	
minimum elong	-12537 Jul 02 j 03:19	10°≈51'26	2°04'35	min. Earth dist.	-12536 Jun 14 j 01:19	26°≈04'01	0.66502 AU
morning rise	-12537 Jul 07 j 11:19	4°≈50'30		inferior conj	-12536 Jun 15 j 04:33	24°≈35'42	-2°39'16
asc. node	-12537 Jul 09 j 09:59	3°≈45'51		minimum elong	-12536 Jun 15 j 06:46	24°≈28'28	2°38'49
direct	-12537 Jul 11 j 07:43	3°≈25'17		morning rise	-12536 Jun 20 j 18:25	18°≈38'49	
morning max el	-12537 Jul 19 j 09:28	8°≈11'49	20°35'17	direct	-12536 Jun 24 j 05:36	17°≈29'05	
	-12537 Aug 04 j 13:11	0°≈		asc. node	-12536 Jun 25 j 06:44	17°≈35'12	
morning set	-12537 Aug 16 j 12:00	18°≈16'29		morning max el	-12536 Jul 01 j 12:02	21°≈40'25	19°32'46
	-12537 Aug 23 j 22:42	0°≈			-12536 Jul 08 j 03:40	0°≈	
max. Earth dist.	-12537 Aug 26 j 15:45	4°≈20'48	1.43382 AU	morning set	-12536 Jul 25 j 18:02	26°≈54'38	
desc. node	-12537 Aug 26 j 13:59	4°≈13'41			-12536 Jul 27 j 17:18	0°≈	
				max. Earth dist.	-12536 Aug 08 j 06:20	18°≈12'07	1.44314 AU
superior conj	-12537 Sep 01 j 10:58	13°≈49'12	-0°34'40	superior conj	-12536 Aug 11 j 04:05	22°≈49'56	0°07'44
minimum elong	-12537 Sep 01 j 07:48	13°≈36'09	0°33'33	minimum elong	-12536 Aug 11 j 05:03	22°≈53'48	0°08'14
	-12537 Sep 11 j 00:07	0°≈		behind sun begin	-12536 Aug 10 j 19:22	22°≈15'07	
evening rise	-12537 Sep 14 j 01:12	5°≈17'42		behind sun end	-12536 Aug 11 j 14:44	23°≈32'31	
	-12537 Sep 29 j 09:02	0°≈		desc. node	-12536 Aug 12 j 11:18	24°≈54'53	
evening max el	-12537 Oct 01 j 06:29	2°≈07'19	18°09'06		-12536 Aug 15 j 15:06	0°≈	
asc. node	-12537 Oct 05 j 10:14	5°≈08'39		evening rise	-12536 Aug 25 j 19:21	16°≈41'49	
retrograde	-12537 Oct 07 j 22:08	5°≈39'54			-12536 Sep 02 j 20:12	0°≈	
evening set	-12537 Oct 10 j 12:51	5°≈06'06		evening max el	-12536 Sep 13 j 20:13	15°≈34'25	18°27'08
	-12537 Oct 16 j 22:05	30°≈		retrograde	-12536 Sep 20 j 11:30	19°≈13'52	
inferior conj	-12537 Oct 17 j 02:36	29°≈48'21	3°10'40	asc. node	-12536 Sep 21 j 07:21	19°≈10'08	
minimum elong	-12537 Oct 16 j 22:46	29°≈58'14	3°10'24	evening set	-12536 Sep 23 j 07:15	18°≈30'30	
min. Earth dist.	-12537 Oct 19 j 15:34	27°≈11'20	0.62757 AU	inferior conj	-12536 Sep 29 j 10:56	12°≈55'45	2°22'56
morning rise	-12537 Oct 23 j 07:43	23°≈56'21		minimum elong	-12536 Sep 29 j 07:45	13°≈04'51	2°22'40
direct	-12537 Oct 30 j 08:47	21°≈19'59		min. Earth dist.	-12536 Oct 01 j 11:11	10°≈37'58	0.64236 AU
morning max el	-12537 Nov 13 j 01:51	28°≈49'55	27°33'53	morning rise	-12536 Oct 05 j 07:35	6°≈50'30	
	-12537 Nov 14 j 06:02	0°≈		direct	-12536 Oct 12 j 02:28	4°≈07'27	
desc. node	-12537 Nov 22 j 14:16	9°≈51'58		morning max el	-12536 Oct 25 j 11:18	11°≈38'51	27°15'45
	-12537 Dec 05 j 19:36	0°≈		desc. node	-12536 Nov 08 j 10:54	28°≈48'23	
morning set	-12537 Dec 16 j 17:00	20°≈19'29			-12536 Nov 09 j 06:45	0°≈	
	-12537 Dec 21 j 09:00	0°≈			-12536 Nov 27 j 04:46	0°≈	
max. Earth dist.	-12537 Dec 22 j 07:41	2°≈00'46	1.33273 AU	morning set	-12536 Nov 29 j 11:18	4°≈22'46	
				max. Earth dist.	-12536 Dec 04 j 09:20	14°≈17'06	1.34083 AU
superior conj	-12537 Dec 24 j 04:10	5°≈59'42	-1°08'35	superior conj	-12536 Dec 07 j 11:00	20°≈42'38	-1°22'58
minimum elong	-12537 Dec 24 j 06:11	6°≈10'33	1°08'23	minimum elong	-12536 Dec 07 j 12:52	20°≈52'28	1°22'40
evening rise	-12537 Dec 31 j 05:47	21°≈10'37			-12536 Dec 11 j 19:45	0°≈	
asc. node	-12536 Jan 01 j 07:50	23°≈26'33		evening rise	-12536 Dec 14 j 16:40	6°≈03'51	
	-12536 Jan 04 j 13:49	0°≈		asc. node	-12536 Dec 18 j 05:13	13°≈15'15	
evening max el	-12536 Jan 24 j 12:29	29°≈28'23	23°52'03		-12536 Dec 27 j 18:33	0°≈	
	-12536 Jan 25 j 02:08	0°≈		evening max el	-12535 Jan 05 j 07:07	10°≈22'23	22°17'55
retrograde	-12536 Feb 07 j 01:49	6°≈08'07		retrograde	-12535 Jan 17 j 20:40	16°≈22'29	
evening set	-12536 Feb 11 j 03:36	5°≈31'30		evening set	-12535 Jan 21 j 02:15	15°≈59'27	
min. Earth dist.	-12536 Feb 18 j 01:41	2°≈12'57	0.56213 AU	min. Earth dist.	-12535 Jan 29 j 16:26	12°≈07'51	0.55512 AU
desc. node	-12536 Feb 18 j 16:20	1°≈50'41		inferior conj	-12535 Jan 30 j 03:58	11°≈51'19	1°21'37
inferior conj	-12536 Feb 20 j 01:58	0°≈58'58	-0°21'11	minimum elong	-12535 Jan 30 j 07:21	11°≈46'27	1°20'03
minimum elong	-12536 Feb 20 j 01:05	1°≈00'19	0°21'36	desc. node	-12535 Feb 04 j 13:05	9°≈02'17	
	-12536 Feb 21 j 16:53	30°≈		morning rise	-12535 Feb 08 j 13:13	7°≈46'50	
morning rise	-12536 Feb 29 j 01:07	26°≈52'48		direct	-12535 Feb 10 j 23:07	7°≈33'24	
direct	-12536 Mar 02 j 04:48	26°≈40'42		morning max el	-12535 Feb 22 j 18:09	13°≈12'15	21°10'16
	-12536 Mar 10 j 15:17	0°≈			-12535 Mar 06 j 21:35	0°≈	
morning max el	-12536 Mar 12 j 08:16	1°≈29'08	19°54'45	morning set	-12535 Mar 14 j 10:18	14°≈34'59	
asc. node	-12536 Mar 29 j 05:57	28°≈07'35		asc. node	-12535 Mar 16 j 03:01	18°≈05'23	
morning set	-12536 Mar 30 j 02:57	29°≈52'49					
	-12536 Mar 30 j 04:23	0°≈					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12535 Mar 21 j 23:18	0° Z 14'40	0°51'47	superior conj	-12534 Mar 06 j 02:13	14° Z 48'35	0°28'31
minimum elong	-12535 Mar 21 j 21:07	0° Z 03'25	0°50'39	minimum elong	-12534 Mar 06 j 01:01	14° Z 42'14	0°27'33
	-12535 Mar 21 j 20:27	0° Z		max. Earth dist.	-12534 Mar 08 j 19:52	20° Z 32'45	1.34176 AU
max. Earth dist.	-12535 Mar 25 j 22:50	8° Z 18'54	1.35322 AU		-12534 Mar 13 j 11:49	0° Z	
evening rise	-12535 Mar 30 j 12:29	17° Z 11'26		evening rise	-12534 Mar 14 j 00:17	1° Z 01'17	
	-12535 Apr 06 j 14:11	0° \approx			-12534 Mar 30 j 13:55	0° \approx	
	-12535 Apr 26 j 10:07	0° H		evening max el	-12534 Apr 17 j 07:59	22° \approx 50'26	27°18'38
desc. node	-12535 May 03 j 12:26	8° H 18'05		desc. node	-12534 Apr 20 j 09:46	25° \approx 37'16	
evening max el	-12535 May 04 j 21:15	9° H 41'30	26°41'18		-12534 Apr 27 j 23:08	0° H	
retrograde	-12535 May 17 j 21:15	17° H 09'04		retrograde	-12534 Apr 30 j 21:04	0° H 25'50	
evening set	-12535 May 24 j 11:46	14° H 22'15			-12534 May 03 j 15:58	30° R	
min. Earth dist.	-12535 May 28 j 10:14	10° H 14'15	0.65571 AU	evening set	-12534 May 07 j 18:18	27° \approx 43'48	
inferior conj	-12535 May 30 j 03:22	8° H 09'20	-3°05'04	min. Earth dist.	-12534 May 11 j 11:36	24° \approx 10'51	0.64243 AU
minimum elong	-12535 May 30 j 05:15	8° H 03'36	3°05'05	inferior conj	-12534 May 13 j 19:19	21° \approx 36'00	-3°20'30
morning rise	-12535 Jun 04 j 23:00	2° H 26'17		minimum elong	-12534 May 13 j 20:18	21° \approx 33'15	3°20'56
direct	-12535 Jun 08 j 02:42	1° H 30'08		morning rise	-12534 May 19 j 22:59	16° \approx 08'59	
asc. node	-12535 Jun 12 j 03:29	2° H 56'00		direct	-12534 May 22 j 20:40	15° \approx 24'30	
morning max el	-12535 Jun 14 j 20:20	5° H 15'05	18°45'26	morning max el	-12534 May 29 j 08:36	18° \approx 52'55	18°15'06
	-12535 Jul 01 j 19:31	0° Y		asc. node	-12534 May 30 j 00:13	19° \approx 33'32	
morning set	-12535 Jul 05 j 17:48	6° Y 21'37			-12534 Jun 06 j 13:58	0° H	
	-12535 Jul 20 j 12:29	0° B		morning set	-12534 Jun 16 j 18:41	16° H 58'14	
					-12534 Jun 24 j 13:41	0° Y	
superior conj	-12535 Jul 21 j 04:54	1° B 05'01	0°52'00	superior conj	-12534 Jun 30 j 11:19	9° Y 38'15	1°26'39
minimum elong	-12535 Jul 21 j 10:37	1° B 27'38	0°51'46	minimum elong	-12534 Jun 30 j 17:26	10° Y 02'58	1°26'17
max. Earth dist.	-12535 Jul 21 j 22:49	2° B 15'58	1.44568 AU	max. Earth dist.	-12534 Jul 04 j 14:13	16° Y 15'08	1.44127 AU
desc. node	-12535 Jul 30 j 08:41	15° B 34'43			-12534 Jul 13 j 07:13	0° B	
evening rise	-12535 Aug 06 j 11:02	26° B 51'36		evening rise	-12534 Jul 17 j 00:24	5° B 47'57	
	-12535 Aug 08 j 10:19	0° II		desc. node	-12534 Jul 17 j 06:10	6° B 10'22	
evening max el	-12535 Aug 28 j 07:45	29° II 04'19	19°02'28	greatest brilliancy	-12534 Jul 29 j 10:25	24° B 52'51	-0.7m
	-12535 Aug 29 j 06:34	0° E			-12534 Aug 01 j 21:22	0° II	
retrograde	-12535 Sep 04 j 05:45	2° E 59'21		evening max el	-12534 Aug 11 j 14:38	12° II 33'49	19°53'49
evening set	-12535 Sep 07 j 08:51	2° E 03'13		retrograde	-12534 Aug 19 j 02:10	16° II 53'11	
asc. node	-12535 Sep 08 j 04:23	1° E 30'38		evening set	-12534 Aug 22 j 14:55	15° II 40'55	
	-12535 Sep 09 j 21:52	30° R II		asc. node	-12534 Aug 26 j 01:21	12° II 21'50	
inferior conj	-12535 Sep 13 j 04:08	26° II 14'47	1°31'25	inferior conj	-12534 Aug 28 j 03:39	9° II 41'55	0°39'11
minimum elong	-12535 Sep 13 j 02:03	26° II 21'18	1°31'25	minimum elong	-12534 Aug 28 j 02:46	9° II 44'51	0°39'33
min. Earth dist.	-12535 Sep 14 j 15:59	24° II 23'45	0.65424 AU	min. Earth dist.	-12534 Aug 29 j 03:58	8° II 22'05	0.66317 AU
morning rise	-12535 Sep 18 j 18:46	20° II 00'02		morning rise	-12534 Sep 02 j 14:19	3° II 21'47	
direct	-12535 Sep 25 j 02:33	17° II 21'05		direct	-12534 Sep 08 j 08:36	0° II 54'39	
morning max el	-12535 Oct 07 j 21:46	24° II 45'42	26°28'56	morning max el	-12534 Sep 20 j 07:43	7° II 59'40	25°20'59
	-12535 Oct 12 j 17:35	0° E			-12534 Oct 07 j 16:01	0° E	
desc. node	-12535 Oct 26 j 07:36	18° E 20'44		desc. node	-12534 Oct 13 j 04:23	8° E 18'44	
	-12535 Nov 02 j 16:28	0° O		morning set	-12534 Oct 26 j 07:37	0° O 15'20	
morning set	-12535 Nov 12 j 17:42	17° O 45'48			-12534 Oct 26 j 04:11	0° O	
max. Earth dist.	-12535 Nov 17 j 00:37	26° O 01'42	1.35311 AU	max. Earth dist.	-12534 Oct 30 j 05:22	7° O 24'37	1.36944 AU
	-12535 Nov 19 j 00:24	0° M					
superior conj	-12535 Nov 21 j 12:07	5° M 03'49	-1°32'55	superior conj	-12534 Nov 05 j 04:38	18° O 54'37	-1°37'00
minimum elong	-12535 Nov 21 j 13:19	5° M 10'03	1°32'31	minimum elong	-12534 Nov 05 j 04:40	18° O 54'43	1°36'28
evening rise	-12535 Nov 29 j 01:28	20° M 45'36			-12534 Nov 10 j 17:01	0° M	
	-12535 Dec 03 j 16:17	0° A		evening rise	-12534 Nov 13 j 06:21	5° M 10'24	
asc. node	-12535 Dec 05 j 02:35	2° A 42'08		asc. node	-12534 Nov 21 j 23:58	21° M 39'27	
evening max el	-12535 Dec 18 j 08:27	21° A 37'42	20°51'30		-12534 Nov 27 j 16:14	0° A	
retrograde	-12535 Dec 29 j 11:28	26° A 51'07		evening max el	-12534 Nov 30 j 19:45	3° A 26'13	19°40'45
evening set	-12534 Jan 01 j 05:37	26° A 33'08		retrograde	-12534 Dec 10 j 09:19	7° A 56'46	
inferior conj	-12534 Jan 10 j 01:39	22° A 33'59	2°55'21	evening set	-12534 Dec 12 j 22:50	7° A 38'49	
minimum elong	-12534 Jan 10 j 07:26	22° A 25'31	2°53'39	inferior conj	-12534 Dec 21 j 08:03	3° A 32'27	3°56'03
min. Earth dist.	-12534 Jan 11 j 06:08	21° A 52'25	0.55663 AU	minimum elong	-12534 Dec 21 j 12:03	3° A 26'01	3°55'29
morning rise	-12534 Jan 19 j 08:02	18° A 15'23		min. Earth dist.	-12534 Dec 23 j 19:29	1° A 57'31	0.56621 AU
desc. node	-12534 Jan 22 j 09:46	17° A 52'01			-12534 Dec 27 j 05:51	30° R M	
direct	-12534 Jan 22 j 14:19	17° A 51'56		morning rise	-12534 Dec 29 j 23:11	28° M 51'07	
morning max el	-12534 Feb 04 j 17:07	24° A 17'34	22°40'50	direct	-12533 Jan 03 j 13:13	28° M 03'43	
	-12534 Feb 09 j 19:49	0° M		desc. node	-12533 Jan 09 j 06:23	29° M 18'32	
morning set	-12534 Feb 26 j 21:09	29° M 31'36			-12533 Jan 10 j 16:47	0° A	
	-12534 Feb 27 j 02:36	0° Z		morning max el	-12533 Jan 17 j 08:46	5° A 00'07	24°17'38
asc. node	-12534 Mar 03 j 00:08	8° Z 14'48			-12533 Feb 04 j 00:42	0° M	
				morning set	-12533 Feb 11 j 09:33	14° M 35'29	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12533 Feb 17 j 21:19	28° \mathbb{M} 30'55		morning rise	-12533 Dec 10 j 02:51	9° \mathbb{M} 58'57	
				direct	-12533 Dec 15 j 23:26	8° \mathbb{M} 36'19	
superior conj	-12533 Feb 18 j 10:02	29° \mathbb{M} 39'31	0°05'00	desc. node	-12533 Dec 27 j 02:57	13° \mathbb{M} 16'49	
minimum elong	-12533 Feb 18 j 09:51	29° \mathbb{M} 38'32	0°04'18	morning max el	-12533 Dec 29 j 23:56	15° \mathbb{M} 47'59	25°46'54
behind sun begin	-12533 Feb 18 j 04:54	29° \mathbb{M} 11'47			-12532 Jan 10 j 12:27	0° \mathbb{A}	
behind sun end	-12533 Feb 18 j 14:49	0° \mathbb{Z} 05'17		morning set	-12532 Jan 26 j 21:45	29° \mathbb{A} 40'24	
	-12533 Feb 18 j 13:50	0° \mathbb{Z}			-12532 Jan 27 j 01:29	0° \mathbb{M}	
max. Earth dist.	-12533 Feb 20 j 01:45	3° \mathbb{Z} 12'49	1.33384 AU				
evening rise	-12533 Feb 25 j 21:43	15° \mathbb{Z} 22'05		superior conj	-12532 Feb 02 j 20:48	14° \mathbb{M} 40'48	-0°17'53
	-12533 Mar 05 j 13:41	0° \mathbb{Z}		minimum elong	-12532 Feb 02 j 21:32	14° \mathbb{M} 44'49	0°18'17
	-12533 Mar 25 j 12:32	0° \mathbb{A}		max. Earth dist.	-12532 Feb 03 j 13:23	16° \mathbb{M} 11'08	1.32924 AU
evening max el	-12533 Mar 30 j 17:16	5° \mathbb{A} 37'25	27°26'31	asc. node	-12532 Feb 04 j 18:37	18° \mathbb{M} 49'49	
desc. node	-12533 Apr 07 j 07:01	11° \mathbb{A} 25'45		evening rise	-12532 Feb 10 j 01:49	0° \mathbb{Z} 03'53	
retrograde	-12533 Apr 13 j 14:32	13° \mathbb{A} 11'57			-12532 Feb 10 j 01:04	0° \mathbb{Z}	
evening set	-12533 Apr 20 j 11:32	10° \mathbb{A} 47'52			-12532 Feb 26 j 17:58	0° \mathbb{Z}	
min. Earth dist.	-12533 Apr 24 j 04:11	7° \mathbb{A} 41'24	0.62559 AU	evening max el	-12532 Mar 11 j 22:45	17° \mathbb{Z} 52'06	27°01'35
inferior conj	-12533 Apr 27 j 01:27	4° \mathbb{A} 49'17	-3°22'11	desc. node	-12532 Mar 24 j 04:09	25° \mathbb{Z} 11'27	
minimum elong	-12533 Apr 27 j 00:59	4° \mathbb{A} 50'26	3°22'50	retrograde	-12532 Mar 26 j 00:22	25° \mathbb{Z} 20'24	
	-12533 May 02 j 22:51	30° \mathbb{R} \mathbb{Z}		evening set	-12532 Apr 01 j 12:16	23° \mathbb{Z} 25'21	
morning rise	-12533 May 03 j 15:46	29° \mathbb{Z} 40'13		min. Earth dist.	-12532 Apr 05 j 11:49	20° \mathbb{Z} 32'56	0.60637 AU
direct	-12533 May 06 j 08:32	29° \mathbb{Z} 05'45		inferior conj	-12532 Apr 08 j 18:21	17° \mathbb{Z} 41'56	-3°05'20
	-12533 May 09 j 17:04	0° \mathbb{A}		minimum elong	-12532 Apr 08 j 16:09	17° \mathbb{Z} 46'46	3°05'48
morning max el	-12533 May 12 j 22:26	2° \mathbb{A} 28'08	18°02'46	morning rise	-12532 Apr 15 j 22:16	12° \mathbb{Z} 52'26	
asc. node	-12533 May 16 j 20:59	7° \mathbb{A} 11'25		direct	-12532 Apr 18 j 10:37	12° \mathbb{Z} 26'36	
morning set	-12533 May 29 j 19:18	28° \mathbb{A} 42'21		morning max el	-12532 Apr 25 j 11:19	15° \mathbb{Z} 54'45	18°09'05
	-12533 May 30 j 12:52	0° \mathbb{H}		asc. node	-12532 May 02 j 17:49	25° \mathbb{Z} 36'31	
					-12532 May 05 j 08:16	0° \mathbb{A}	
superior conj	-12533 Jun 10 j 16:22	19° \mathbb{H} 17'42	1°45'16	morning set	-12532 May 11 j 15:11	11° \mathbb{A} 23'59	
minimum elong	-12533 Jun 10 j 19:05	19° \mathbb{H} 29'09	1°45'01		-12532 May 21 j 20:25	0° \mathbb{H}	
max. Earth dist.	-12533 Jun 17 j 02:03	29° \mathbb{H} 53'20	1.43050 AU				
	-12533 Jun 17 j 03:42	0° \mathbb{Y}		superior conj	-12532 May 22 j 00:19	0° \mathbb{H} 17'16	1°48'35
evening rise	-12533 Jun 26 j 00:29	14° \mathbb{Y} 07'11		minimum elong	-12532 May 21 j 23:35	0° \mathbb{H} 14'02	1°48'10
desc. node	-12533 Jul 04 j 03:43	26° \mathbb{Y} 37'56		max. Earth dist.	-12532 May 29 j 08:44	12° \mathbb{H} 57'01	1.41485 AU
	-12533 Jul 06 j 09:21	0° \mathbb{B}		evening rise	-12532 Jun 04 j 10:10	22° \mathbb{H} 54'24	
evening max el	-12533 Jul 25 j 15:05	26° \mathbb{B} 00'06	20°59'22		-12532 Jun 08 j 21:25	0° \mathbb{Y}	
	-12533 Jul 30 j 16:10	0° \mathbb{II}		desc. node	-12532 Jun 20 j 01:18	16° \mathbb{Y} 52'47	
retrograde	-12533 Aug 02 j 22:38	0° \mathbb{II} 52'48			-12532 Jun 29 j 11:07	0° \mathbb{B}	
	-12533 Aug 06 j 00:10	30° \mathbb{R} \mathbb{B}		evening max el	-12532 Jul 07 j 08:35	9° \mathbb{B} 22'00	22°15'48
evening set	-12533 Aug 06 j 23:11	29° \mathbb{B} 21'14		retrograde	-12532 Jul 16 j 17:36	14° \mathbb{B} 55'18	
inferior conj	-12533 Aug 12 j 07:19	23° \mathbb{B} 14'25	-0°11'37	evening set	-12532 Jul 21 j 07:39	13° \mathbb{B} 02'31	
minimum elong	-12533 Aug 12 j 07:33	23° \mathbb{B} 13'38	0°10'55	inferior conj	-12532 Jul 26 j 13:12	6° \mathbb{B} 50'19	-0°59'25
transit middle	-12533 Aug 12 j 07:33	23° \mathbb{B} 13'38	0°10'55	minimum elong	-12532 Jul 26 j 14:22	6° \mathbb{B} 46'14	0°58'31
transit begin	-12533 Aug 12 j 05:31	23° \mathbb{B} 20'33		min. Earth dist.	-12532 Jul 26 j 16:01	6° \mathbb{B} 40'33	0.67210 AU
transit end	-12533 Aug 12 j 09:35	23° \mathbb{B} 06'42		asc. node	-12532 Jul 29 j 19:06	2° \mathbb{B} 35'57	
asc. node	-12533 Aug 12 j 22:15	22° \mathbb{B} 23'33		morning rise	-12532 Jul 31 j 21:00	0° \mathbb{B} 31'28	
min. Earth dist.	-12533 Aug 12 j 20:46	22° \mathbb{B} 28'35	0.66912 AU		-12532 Aug 01 j 13:29	30° \mathbb{R} \mathbb{Y}	
morning rise	-12533 Aug 17 j 15:45	16° \mathbb{B} 53'04		direct	-12532 Aug 05 j 11:33	28° \mathbb{Y} 38'59	
direct	-12533 Aug 22 j 19:52	14° \mathbb{B} 42'20			-12532 Aug 09 j 18:51	0° \mathbb{B}	
morning max el	-12533 Sep 02 j 17:34	21° \mathbb{B} 14'52	24°00'47	morning max el	-12532 Aug 15 j 05:35	4° \mathbb{B} 31'01	22°36'57
	-12533 Sep 10 j 06:33	0° \mathbb{II}			-12532 Sep 03 j 13:24	0° \mathbb{II}	
desc. node	-12533 Sep 30 j 01:18	28° \mathbb{II} 35'11		desc. node	-12532 Sep 15 j 22:20	19° \mathbb{II} 03'55	
	-12533 Sep 30 j 22:36	0° \mathbb{E}		morning set	-12532 Sep 17 j 14:06	21° \mathbb{II} 44'20	
morning set	-12533 Oct 07 j 23:48	11° \mathbb{E} 37'58			-12532 Sep 22 j 14:02	0° \mathbb{E}	
max. Earth dist.	-12533 Oct 12 j 04:36	18° \mathbb{E} 55'48	1.38862 AU	max. Earth dist.	-12532 Sep 23 j 05:16	1° \mathbb{E} 04'15	1.40833 AU
	-12533 Oct 18 j 06:21	0° \mathbb{O}					
superior conj	-12533 Oct 19 j 08:50	2° \mathbb{O} 04'34	-1°33'23	superior conj	-12532 Sep 30 j 19:40	14° \mathbb{E} 19'09	-1°19'57
minimum elong	-12533 Oct 19 j 07:11	1° \mathbb{O} 56'46	1°32'38	minimum elong	-12532 Sep 30 j 16:18	14° \mathbb{E} 04'00	1°18'55
evening rise	-12533 Oct 28 j 05:07	19° \mathbb{O} 12'41			-12532 Oct 09 j 07:49	0° \mathbb{O}	
	-12533 Nov 02 j 20:56	0° \mathbb{M}		evening rise	-12532 Oct 10 j 18:51	2° \mathbb{O} 44'34	
asc. node	-12533 Nov 08 j 21:19	9° \mathbb{M} 57'35		asc. node	-12532 Oct 25 j 18:38	27° \mathbb{O} 23'28	
evening max el	-12533 Nov 13 j 17:10	15° \mathbb{M} 48'24	18°49'21	evening max el	-12532 Oct 26 j 22:47	28° \mathbb{O} 37'33	18°18'10
	-12533 Nov 21 j 23:18	19° \mathbb{M} 47'53			-12532 Oct 28 j 11:55	0° \mathbb{M}	
retrograde	-12533 Nov 24 j 10:57	19° \mathbb{M} 27'38		retrograde	-12532 Nov 03 j 07:03	2° \mathbb{M} 18'31	
evening set	-12533 Dec 02 j 07:37	15° \mathbb{M} 03'17	4°17'12	evening set	-12532 Nov 05 j 18:14	1° \mathbb{M} 54'36	
inferior conj	-12533 Dec 02 j 07:51	15° \mathbb{M} 02'51	4°17'24		-12532 Nov 09 j 11:09	30° \mathbb{R} \mathbb{O}	
minimum elong	-12533 Dec 05 j 10:13	12° \mathbb{M} 47'07	0.58156 AU	inferior conj	-12532 Nov 13 j 02:19	27° \mathbb{O} 08'40	4°06'26
min. Earth dist.				minimum elong	-12532 Nov 12 j 23:39	27° \mathbb{O} 14'17	4°06'36

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12532 Nov 16 j 05:51	24° Ω 29'25	0.59966 AU	min. Earth dist.	-12531 Oct 29 j 09:54	7° Ω 01'16	0.61784 AU
morning rise	-12532 Nov 20 j 03:32	21° Ω 43'24		morning rise	-12531 Nov 02 j 01:35	4° Ω 00'45	
direct	-12532 Nov 26 j 20:17	19° Ω 44'32		direct	-12531 Nov 09 j 02:29	1° Ω 34'09	
morning max el	-12532 Dec 10 j 20:16	27° Ω 05'13	26°54'07	morning max el	-12531 Nov 22 j 23:07	9° Ω 02'09	27°29'21
desc. node	-12532 Dec 12 j 23:30	29° Ω 14'33		desc. node	-12531 Nov 29 j 20:06	16° Ω 40'33	
	-12532 Dec 13 j 16:24	0° \mathbb{M}			-12531 Dec 09 j 07:29	0° \mathbb{M}	
	-12531 Jan 02 j 21:19	0° $\underline{\Omega}$		morning set	-12531 Dec 25 j 13:49	29° \mathbb{M} 21'44	
morning set	-12531 Jan 10 j 07:51	14° $\underline{\Omega}$ 38'14			-12531 Dec 25 j 21:17	0° $\underline{\Omega}$	
				max. Earth dist.	-12531 Dec 31 j 14:32	12° $\underline{\Omega}$ 05'56	1.32985 AU
superior conj	-12531 Jan 17 j 08:41	29° $\underline{\Omega}$ 44'48	-0°39'21	superior conj	-12530 Jan 01 j 20:00	14° $\underline{\Omega}$ 45'40	-0°58'43
minimum elong	-12531 Jan 17 j 10:08	29° $\underline{\Omega}$ 52'47	0°39'28	minimum elong	-12530 Jan 01 j 21:55	14° $\underline{\Omega}$ 56'03	0°58'36
max. Earth dist.	-12531 Jan 17 j 02:55	29° $\underline{\Omega}$ 13'21	1.32785 AU	evening rise	-12530 Jan 08 j 20:43	29° $\underline{\Omega}$ 54'45	
	-12531 Jan 17 j 11:27	0° \mathbb{M}		asc. node	-12530 Jan 08 j 13:19	29° $\underline{\Omega}$ 15'50	
asc. node	-12531 Jan 21 j 15:58	9° \mathbb{M} 06'16			-12530 Jan 08 j 21:43	0° \mathbb{M}	
evening rise	-12531 Jan 24 j 10:07	14° \mathbb{M} 57'00			-12530 Jan 25 j 18:53	0° \mathbb{M}	
	-12531 Feb 01 j 01:57	0° \mathbb{M}		evening max el	-12530 Feb 03 j 17:16	10° \mathbb{M} 33'05	24°44'49
evening max el	-12531 Feb 21 j 22:32	29° \mathbb{M} 28'28	26°05'21	retrograde	-12530 Feb 17 j 14:47	17° \mathbb{M} 31'09	
	-12531 Feb 22 j 11:56	0° \mathbb{M}		evening set	-12530 Feb 22 j 06:53	16° \mathbb{M} 41'23	
retrograde	-12531 Mar 08 j 01:06	6° \mathbb{M} 46'08		desc. node	-12530 Feb 25 j 22:02	15° \mathbb{M} 01'05	
desc. node	-12531 Mar 11 j 01:09	6° \mathbb{M} 23'40		min. Earth dist.	-12530 Feb 28 j 06:53	13° \mathbb{M} 35'19	0.56948 AU
evening set	-12531 Mar 13 j 18:23	5° \mathbb{M} 25'20		inferior conj	-12530 Mar 02 j 22:49	11° \mathbb{M} 50'22	-1°13'53
min. Earth dist.	-12531 Mar 18 j 11:50	2° \mathbb{M} 32'39	0.58667 AU	minimum elong	-12530 Mar 02 j 20:13	11° \mathbb{M} 54'39	1°13'52
inferior conj	-12531 Mar 21 j 18:22	0° \mathbb{M} 04'41	-2°24'05	morning rise	-12530 Mar 11 j 12:47	7° \mathbb{M} 37'53	
minimum elong	-12531 Mar 21 j 14:59	0° \mathbb{M} 11'08	2°24'07	direct	-12530 Mar 13 j 16:43	7° \mathbb{M} 24'29	
	-12531 Mar 21 j 20:50	30° \mathbb{M} 37'11		morning max el	-12530 Mar 22 j 22:35	11° \mathbb{M} 47'12	19°19'56
morning rise	-12531 Mar 29 j 14:40	25° \mathbb{M} 35'11			-12530 Apr 04 j 07:57	0° \mathbb{M}	
direct	-12531 Mar 31 j 22:31	25° \mathbb{M} 16'38		asc. node	-12530 Apr 06 j 11:40	4° \mathbb{M} 06'20	
morning max el	-12531 Apr 08 j 20:24	29° \mathbb{M} 04'25	18°34'41	morning set	-12530 Apr 08 j 22:37	8° \mathbb{M} 55'31	
	-12531 Apr 09 j 18:34	0° \mathbb{M}					
asc. node	-12531 Apr 19 j 14:43	14° \mathbb{M} 37'49		superior conj	-12530 Apr 17 j 08:26	25° \mathbb{M} 35'03	1°24'49
morning set	-12531 Apr 25 j 01:38	24° \mathbb{M} 51'55		minimum elong	-12530 Apr 17 j 05:21	25° \mathbb{M} 20'07	1°23'47
	-12531 Apr 27 j 17:41	0° \mathbb{M}			-12530 Apr 19 j 15:27	0° \mathbb{M}	
superior conj	-12531 May 04 j 07:31	12° \mathbb{M} 28'16	1°40'28	max. Earth dist.	-12530 Apr 23 j 10:23	7° \mathbb{M} 06'04	1.37792 AU
minimum elong	-12531 May 04 j 04:55	12° \mathbb{M} 16'08	1°39'43	evening rise	-12530 Apr 27 j 10:46	14° \mathbb{M} 20'26	
max. Earth dist.	-12531 May 11 j 10:14	25° \mathbb{M} 18'20	1.39647 AU		-12530 May 06 j 17:53	0° \mathbb{M}	
	-12531 May 14 j 03:24	0° \mathbb{M}		desc. node	-12530 May 24 j 20:23	26° \mathbb{M} 18'44	
evening rise	-12531 May 15 j 20:57	2° \mathbb{M} 56'13			-12530 May 27 j 19:40	0° \mathbb{M}	
	-12531 Jun 02 j 03:31	0° \mathbb{M}		evening max el	-12530 Jun 02 j 06:10	6° \mathbb{M} 01'28	24°58'32
desc. node	-12531 Jun 06 j 22:52	6° \mathbb{M} 49'06		retrograde	-12530 Jun 13 j 22:22	12° \mathbb{M} 54'37	
evening max el	-12531 Jun 19 j 20:35	22° \mathbb{M} 41'20	23°37'56	evening set	-12530 Jun 19 j 17:24	10° \mathbb{M} 22'41	
retrograde	-12531 Jun 30 j 09:51	28° \mathbb{M} 57'31		min. Earth dist.	-12530 Jun 24 j 04:35	5° \mathbb{M} 12'52	0.66858 AU
evening set	-12531 Jul 05 j 14:23	26° \mathbb{M} 43'37		inferior conj	-12530 Jun 25 j 00:28	4° \mathbb{M} 06'31	-2°20'37
inferior conj	-12531 Jul 10 j 19:31	20° \mathbb{M} 28'20	-1°42'50	minimum elong	-12530 Jun 25 j 02:41	3° \mathbb{M} 59'09	2°19'59
minimum elong	-12531 Jul 10 j 21:22	20° \mathbb{M} 21'57	1°41'58		-12530 Jun 28 j 07:55	30° \mathbb{M} 37'11	
min. Earth dist.	-12531 Jul 10 j 11:25	20° \mathbb{M} 56'11	0.67199 AU	morning rise	-12530 Jun 30 j 11:58	28° \mathbb{M} 02'47	
morning rise	-12531 Jul 16 j 04:19	14° \mathbb{M} 15'27		asc. node	-12530 Jul 03 j 12:38	26° \mathbb{M} 46'55	
asc. node	-12531 Jul 16 j 15:53	13° \mathbb{M} 54'20		direct	-12530 Jul 04 j 04:06	26° \mathbb{M} 44'34	
direct	-12531 Jul 20 j 06:43	12° \mathbb{M} 40'51			-12530 Jul 10 j 14:06	0° \mathbb{M}	
morning max el	-12531 Jul 28 j 22:17	17° \mathbb{M} 50'44	21°17'05	morning max el	-12530 Jul 11 j 21:06	1° \mathbb{M} 15'37	20°06'55
	-12531 Aug 07 j 15:35	0° \mathbb{M}			-12530 Aug 01 j 08:39	0° \mathbb{M}	
	-12531 Aug 27 j 17:15	0° \mathbb{M}		morning set	-12530 Aug 07 j 07:40	9° \mathbb{M} 13'22	
morning set	-12531 Aug 28 j 04:29	0° \mathbb{M} 43'59		max. Earth dist.	-12530 Aug 18 j 22:22	27° \mathbb{M} 31'08	1.43856 AU
desc. node	-12531 Sep 02 j 19:30	9° \mathbb{M} 40'40			-12530 Aug 20 j 11:30	0° \mathbb{M}	
max. Earth dist.	-12531 Sep 05 j 11:06	13° \mathbb{M} 58'44	1.42575 AU	desc. node	-12530 Aug 20 j 16:45	0° \mathbb{M} 21'09	
superior conj	-12531 Sep 12 j 07:23	25° \mathbb{M} 23'36	-0°54'44	superior conj	-12530 Aug 23 j 15:34	5° \mathbb{M} 07'30	-0°17'34
minimum elong	-12531 Sep 12 j 03:23	25° \mathbb{M} 06'35	0°53'31	minimum elong	-12530 Aug 23 j 13:48	5° \mathbb{M} 00'17	0°16'39
	-12531 Sep 14 j 23:48	0° \mathbb{M}		evening rise	-12530 Sep 06 j 02:39	27° \mathbb{M} 36'58	
evening rise	-12531 Sep 23 j 19:43	15° \mathbb{M} 37'04			-12530 Sep 07 j 12:07	0° \mathbb{M}	
	-12531 Oct 01 j 23:45	0° \mathbb{M}		evening max el	-12530 Sep 23 j 23:34	25° \mathbb{M} 09'29	18°14'37
evening max el	-12531 Oct 10 j 09:56	11° \mathbb{M} 47'03	18°06'54	asc. node	-12530 Sep 29 j 13:01	28° \mathbb{M} 38'12	
asc. node	-12531 Oct 12 j 15:52	13° \mathbb{M} 42'33		retrograde	-12530 Sep 30 j 14:17	28° \mathbb{M} 43'59	
retrograde	-12531 Oct 17 j 05:26	15° \mathbb{M} 20'13		evening set	-12530 Oct 03 j 06:47	28° \mathbb{M} 06'37	
evening set	-12531 Oct 19 j 18:07	14° \mathbb{M} 50'50		inferior conj	-12530 Oct 09 j 16:06	22° \mathbb{M} 41'32	2°51'08
inferior conj	-12531 Oct 26 j 14:16	9° \mathbb{M} 44'08	3°34'49	minimum elong	-12530 Oct 09 j 12:28	22° \mathbb{M} 51'22	2°50'49
minimum elong	-12531 Oct 26 j 10:28	9° \mathbb{M} 53'20	3°34'38	min. Earth dist.	-12530 Oct 11 j 23:51	20° \mathbb{M} 11'06	0.63422 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12530 Oct 15 j 17:14	16° ☿ 43'20		direct	-12529 Oct 05 j 13:09	27° ♄ 02'01	
direct	-12530 Oct 22 j 16:32	14° ☿ 02'14			-12529 Oct 13 j 08:38	0° ☿	
morning max el	-12530 Nov 05 j 06:43	21° ☿ 34'19	27°29'58	morning max el	-12529 Oct 18 j 16:36	4° ☿ 31'27	26°58'48
	-12530 Nov 12 j 18:49	0° ♁		desc. node	-12529 Nov 03 j 13:23	24° ☿ 22'44	
desc. node	-12530 Nov 16 j 16:44	5° ♁ 09'26			-12529 Nov 07 j 06:47	0° ♁	
	-12530 Dec 02 j 07:49	0° ♁		morning set	-12529 Nov 23 j 02:54	27° ♁ 29'55	
morning set	-12530 Dec 09 j 13:13	13° ♁ 42'31			-12529 Nov 24 j 09:50	0° ♁	
max. Earth dist.	-12530 Dec 14 j 20:37	24° ♁ 37'17	1.33559 AU	max. Earth dist.	-12529 Nov 27 j 17:52	6° ♁ 38'57	1.34551 AU
superior conj	-12530 Dec 17 j 05:02	29° ♁ 37'20	-1°15'10	superior conj	-12529 Dec 01 j 09:44	14° ♁ 12'11	-1°27'50
minimum elong	-12530 Dec 17 j 07:02	29° ♁ 48'02	1°14'56	minimum elong	-12529 Dec 01 j 11:23	14° ♁ 20'49	1°27'29
	-12530 Dec 17 j 09:16	0° ♁		evening rise	-12529 Dec 08 j 18:09	29° ♁ 40'26	
evening rise	-12530 Dec 24 j 07:57	14° ♁ 51'20			-12529 Dec 08 j 21:55	0° ♁	
asc. node	-12530 Dec 26 j 10:41	19° ♁ 13'50		asc. node	-12529 Dec 13 j 08:05	8° ♁ 54'15	
	-12529 Jan 01 j 00:36	0° ♁			-12529 Dec 26 j 22:18	0° ♁	
evening max el	-12529 Jan 16 j 10:39	21° ♁ 25'16	23°11'54	evening max el	-12529 Dec 29 j 07:44	2° ♁ 26'47	21°39'44
retrograde	-12529 Jan 29 j 15:55	27° ♁ 49'39		retrograde	-12528 Jan 10 j 07:17	8° ♁ 06'33	
evening set	-12529 Feb 02 j 07:45	27° ♁ 20'24		evening set	-12528 Jan 13 j 07:03	7° ♁ 46'28	
min. Earth dist.	-12529 Feb 09 j 23:07	23° ♁ 49'30	0.55805 AU	inferior conj	-12528 Jan 22 j 07:19	3° ♁ 44'47	2°04'11
inferior conj	-12529 Feb 11 j 08:47	22° ♁ 59'44	0°21'40	minimum elong	-12528 Jan 22 j 12:12	3° ♁ 37'50	2°02'22
minimum elong	-12529 Feb 11 j 09:40	22° ♁ 58'26	0°20'46	min. Earth dist.	-12528 Jan 22 j 13:21	3° ♁ 36'11	0.55469 AU
desc. node	-12529 Feb 12 j 18:51	22° ♁ 09'47			-12528 Jan 30 j 03:01	30° ♁	
morning rise	-12529 Feb 20 j 13:24	18° ♁ 55'47		desc. node	-12528 Jan 30 j 15:35	29° ♁ 50'58	
direct	-12529 Feb 22 j 18:09	18° ♁ 43'54		morning rise	-12528 Jan 31 j 17:05	29° ♁ 35'56	
morning max el	-12529 Mar 05 j 14:59	23° ♁ 54'07	20°24'43	direct	-12528 Feb 03 j 10:06	29° ♁ 19'28	
	-12529 Mar 10 j 20:50	0° ♁			-12528 Feb 07 j 13:46	0° ♁	
morning set	-12529 Mar 24 j 02:58	23° ♁ 26'18		morning max el	-12528 Feb 15 j 19:52	5° ♁ 19'36	21°47'19
asc. node	-12529 Mar 24 j 08:41	23° ♁ 55'23			-12528 Mar 03 j 09:38	0° ♁	
	-12529 Mar 27 j 07:51	0° ♁		morning set	-12528 Mar 07 j 12:03	8° ♁ 15'29	
				asc. node	-12528 Mar 10 j 05:45	13° ♁ 58'36	
superior conj	-12529 Mar 31 j 22:16	9° ♁ 24'24	1°04'37	superior conj	-12528 Mar 14 j 21:14	23° ♁ 44'17	0°42'01
minimum elong	-12529 Mar 31 j 19:37	9° ♁ 11'01	1°03'28	minimum elong	-12528 Mar 14 j 19:27	23° ♁ 34'59	0°40'56
max. Earth dist.	-12529 Apr 05 j 16:07	18° ♁ 48'27	1.36136 AU		-12528 Mar 17 j 22:05	0° ♁	
evening rise	-12529 Apr 09 j 22:50	26° ♁ 54'36		max. Earth dist.	-12528 Mar 18 j 07:36	0° ♁ 48'24	1.34794 AU
	-12529 Apr 11 j 15:21	0° ♁		evening rise	-12528 Mar 23 j 03:21	10° ♁ 20'45	
	-12529 Apr 30 j 02:33	0° ♁			-12528 Apr 03 j 02:42	0° ♁	
desc. node	-12529 May 11 j 17:49	15° ♁ 10'57			-12528 Apr 24 j 13:13	0° ♁	
evening max el	-12529 May 15 j 16:11	19° ♁ 23'34	26°08'55	evening max el	-12528 Apr 27 j 03:04	2° ♁ 40'23	27°00'29
retrograde	-12529 May 28 j 06:21	26° ♁ 41'47		desc. node	-12528 Apr 27 j 15:13	3° ♁ 09'54	
evening set	-12529 Jun 03 j 14:31	23° ♁ 58'02		retrograde	-12528 May 10 j 09:06	10° ♁ 11'37	
min. Earth dist.	-12529 Jun 07 j 17:16	19° ♁ 27'28	0.66155 AU	evening set	-12528 May 17 j 03:11	7° ♁ 25'35	
inferior conj	-12529 Jun 09 j 02:11	17° ♁ 43'18	-2°51'19	min. Earth dist.	-12528 May 20 j 23:12	3° ♁ 33'05	0.65057 AU
minimum elong	-12529 Jun 09 j 04:20	17° ♁ 36'30	2°51'04	inferior conj	-12528 May 22 j 22:25	1° ♁ 14'41	-3°13'05
morning rise	-12529 Jun 14 j 18:14	11° ♁ 51'40		minimum elong	-12528 May 22 j 23:59	1° ♁ 10'03	3°13'17
direct	-12529 Jun 18 j 02:00	10° ♁ 47'54			-12528 May 24 j 00:09	30° ♁	
asc. node	-12529 Jun 20 j 09:22	11° ♁ 17'00		morning rise	-12528 May 28 j 21:08	25° ♁ 38'00	
morning max el	-12529 Jun 25 j 02:11	14° ♁ 47'06	19°10'32	direct	-12528 May 31 j 22:13	24° ♁ 46'51	
	-12529 Jul 06 j 07:04	0° ♁		asc. node	-12528 Jun 06 j 06:06	27° ♁ 12'21	
morning set	-12529 Jul 17 j 19:36	18° ♁ 08'00		morning max el	-12528 Jun 07 j 12:22	28° ♁ 23'18	18°30'23
	-12529 Jul 25 j 07:32	0° ♁			-12528 Jun 08 j 23:52	0° ♁	
max. Earth dist.	-12529 Aug 01 j 13:48	11° ♁ 29'02	1.44517 AU	morning set	-12528 Jun 27 j 05:56	28° ♁ 04'44	
					-12528 Jun 28 j 09:59	0° ♁	
superior conj	-12529 Aug 02 j 23:38	13° ♁ 43'06	0°26'59	superior conj	-12528 Jul 12 j 00:06	21° ♁ 58'18	1°08'26
minimum elong	-12529 Aug 03 j 02:53	13° ♁ 55'57	0°27'07	minimum elong	-12528 Jul 12 j 06:39	22° ♁ 24'23	1°08'05
desc. node	-12529 Aug 07 j 14:05	21° ♁ 02'21		max. Earth dist.	-12528 Jul 14 j 06:42	25° ♁ 35'14	1.44471 AU
	-12529 Aug 13 j 04:06	0° ♁			-12528 Jul 17 j 01:35	0° ♁	
evening rise	-12529 Aug 18 j 09:58	8° ♁ 30'30		desc. node	-12528 Jul 24 j 11:31	11° ♁ 41'17	
	-12529 Aug 31 j 20:30	0° ♁		evening rise	-12528 Jul 28 j 13:58	18° ♁ 08'27	
evening max el	-12529 Sep 07 j 12:45	8° ♁ 38'46	18°40'10		-12528 Aug 05 j 03:28	0° ♁	
retrograde	-12529 Sep 14 j 05:56	12° ♁ 23'23		evening max el	-12528 Aug 20 j 22:41	22° ♁ 09'59	19°22'24
asc. node	-12529 Sep 16 j 10:07	11° ♁ 56'54		retrograde	-12528 Aug 28 j 01:25	26° ♁ 13'51	
evening set	-12529 Sep 17 j 04:36	11° ♁ 34'58		evening set	-12528 Aug 31 j 08:27	25° ♁ 11'05	
inferior conj	-12529 Sep 23 j 04:31	5° ♁ 54'14	2°01'18	asc. node	-12528 Sep 02 j 07:07	23° ♁ 37'25	
minimum elong	-12529 Sep 23 j 01:46	6° ♁ 02'24	2°01'07	inferior conj	-12528 Sep 06 j 00:43	19° ♁ 17'44	1°09'11
min. Earth dist.	-12529 Sep 24 j 23:28	3° ♁ 47'04	0.64787 AU	minimum elong	-12528 Sep 05 j 23:08	19° ♁ 22'47	1°09'21
morning rise	-12529 Sep 28 j 22:22	29° ♁ 44'42					
	-12529 Sep 28 j 15:07	30° ♁					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12528 Sep 07 j 07:29	17° Π 39'51	0.65846 AU	morning rise	-12527 Aug 26 j 11:47	26° \mathcal{B} 26'35	
morning rise	-12528 Sep 11 j 13:29	13° Π 00'28		direct	-12527 Aug 31 j 23:54	24° \mathcal{B} 06'22	
direct	-12528 Sep 17 j 15:44	10° Π 26'00			-12527 Sep 11 j 12:56	0° Π	
morning max el	-12528 Sep 30 j 02:56	17° Π 42'59	26°02'07	morning max el	-12527 Sep 12 j 12:56	0° Π 59'00	24°47'55
	-12528 Oct 10 j 13:03	0° \mathcal{E}			-12527 Oct 04 j 13:12	0° \mathcal{E}	
desc. node	-12528 Oct 20 j 10:07	14° \mathcal{E} 07'42		desc. node	-12527 Oct 07 j 06:58	4° \mathcal{E} 14'33	
	-12528 Oct 30 j 04:55	0° \mathcal{Q}		morning set	-12527 Oct 18 j 08:16	22° \mathcal{E} 35'11	
morning set	-12528 Nov 05 j 02:55	10° \mathcal{Q} 32'15			-12527 Oct 22 j 11:33	0° \mathcal{Q}	
max. Earth dist.	-12528 Nov 09 j 04:45	18° \mathcal{Q} 13'53	1.35967 AU	max. Earth dist.	-12527 Oct 22 j 06:47	29° \mathcal{E} 38'12	1.37743 AU
superior conj	-12528 Nov 14 j 07:38	28° \mathcal{Q} 22'14	-1°35'28	superior conj	-12527 Oct 28 j 19:26	11° \mathcal{Q} 56'59	-1°36'31
minimum elong	-12528 Nov 14 j 08:25	28° \mathcal{Q} 26'09	1°35'02	minimum elong	-12527 Oct 28 j 18:47	11° \mathcal{Q} 53'52	1°35'55
	-12528 Nov 15 j 02:54	0° \mathcal{N}		evening rise	-12527 Nov 06 j 04:12	28° \mathcal{Q} 32'42	
evening rise	-12528 Nov 22 j 01:36	14° \mathcal{N} 16'29			-12527 Nov 06 j 21:47	0° \mathcal{N}	
asc. node	-12528 Nov 29 j 05:28	28° \mathcal{N} 10'05		asc. node	-12527 Nov 16 j 02:51	16° \mathcal{N} 52'11	
	-12528 Nov 30 j 06:29	0° \mathcal{L}		evening max el	-12527 Nov 23 j 04:38	25° \mathcal{N} 58'00	19°16'18
evening max el	-12528 Dec 10 j 13:03	13° \mathcal{L} 55'26	20°19'07		-12527 Nov 30 j 00:39	0° \mathcal{L}	
retrograde	-12528 Dec 20 j 23:37	18° \mathcal{L} 49'37		retrograde	-12527 Dec 02 j 04:02	0° \mathcal{L} 14'14	
evening set	-12528 Dec 23 j 15:28	18° \mathcal{L} 31'54			-12527 Dec 04 j 08:39	30° \mathcal{R} \mathcal{N}	
inferior conj	-12527 Jan 01 j 07:14	14° \mathcal{L} 31'06	3°26'01	evening set	-12527 Dec 04 j 16:21	29° \mathcal{N} 55'37	
minimum elong	-12527 Jan 01 j 12:44	14° \mathcal{L} 22'48	3°24'43	inferior conj	-12527 Dec 12 j 20:18	25° \mathcal{N} 42'12	4°09'36
min. Earth dist.	-12527 Jan 03 j 02:24	13° \mathcal{L} 26'11	0.55987 AU	minimum elong	-12527 Dec 12 j 22:44	25° \mathcal{N} 38'03	4°09'29
morning rise	-12527 Jan 10 j 08:21	10° \mathcal{L} 03'44		min. Earth dist.	-12527 Dec 15 j 16:01	23° \mathcal{N} 47'49	0.57221 AU
direct	-12527 Jan 14 j 03:26	9° \mathcal{L} 32'01		morning rise	-12527 Dec 21 j 03:01	20° \mathcal{N} 50'33	
desc. node	-12527 Jan 16 j 12:14	9° \mathcal{L} 44'45		direct	-12527 Dec 26 j 06:38	19° \mathcal{N} 49'19	
morning max el	-12527 Jan 27 j 14:58	16° \mathcal{L} 12'04	23°22'01	desc. node	-12526 Jan 03 j 08:49	22° \mathcal{N} 18'27	
	-12527 Feb 07 j 11:40	0° \mathcal{M}		morning max el	-12526 Jan 09 j 05:47	26° \mathcal{N} 53'51	24°57'31
morning set	-12527 Feb 19 j 23:48	23° \mathcal{M} 16'02			-12526 Jan 12 j 05:39	0° \mathcal{L}	
	-12527 Feb 23 j 04:02	0° \mathcal{J}			-12526 Jan 31 j 10:05	0° \mathcal{M}	
asc. node	-12527 Feb 25 j 02:55	4° \mathcal{J} 11'18		morning set	-12526 Feb 04 j 12:20	8° \mathcal{M} 21'12	
superior conj	-12527 Feb 27 j 02:30	8° \mathcal{J} 26'04	0°18'31	superior conj	-12526 Feb 11 j 11:49	23° \mathcal{M} 22'14	-0°04'52
minimum elong	-12527 Feb 27 j 01:44	8° \mathcal{J} 21'59	0°17'38	minimum elong	-12526 Feb 11 j 12:02	23° \mathcal{M} 23'28	0°05'27
max. Earth dist.	-12527 Mar 01 j 08:52	13° \mathcal{J} 14'25	1.33799 AU	behind sun begin	-12526 Feb 11 j 07:15	22° \mathcal{M} 57'30	
evening rise	-12527 Mar 06 j 19:39	24° \mathcal{J} 24'40		behind sun end	-12526 Feb 11 j 16:50	23° \mathcal{M} 49'25	
	-12527 Mar 09 j 16:29	0° \mathcal{Z}		asc. node	-12526 Feb 12 j 00:10	24° \mathcal{M} 29'09	
	-12527 Mar 27 j 16:19	0° \approx		max. Earth dist.	-12526 Feb 12 j 17:32	26° \mathcal{M} 03'01	1.33143 AU
evening max el	-12527 Apr 09 j 13:25	15° \approx 40'51	27°25'49		-12526 Feb 14 j 13:42	0° \mathcal{J}	
desc. node	-12527 Apr 14 j 12:32	19° \approx 53'56		evening rise	-12526 Feb 18 j 20:14	8° \mathcal{J} 55'12	
retrograde	-12527 Apr 23 j 06:07	23° \approx 16'12			-12526 Mar 02 j 02:41	0° \mathcal{Z}	
evening set	-12527 Apr 30 j 04:27	20° \approx 40'01		evening max el	-12526 Mar 22 j 21:06	28° \mathcal{Z} 14'14	27°19'56
min. Earth dist.	-12527 May 03 j 20:42	17° \approx 19'59	0.63568 AU		-12526 Mar 24 j 19:03	0° \approx	
inferior conj	-12527 May 06 j 10:32	14° \approx 35'53	-3°23'11	desc. node	-12526 Apr 01 j 09:44	4° \approx 54'28	
minimum elong	-12527 May 06 j 10:58	14° \approx 34'43	3°23'44	retrograde	-12526 Apr 05 j 20:41	5° \approx 47'30	
morning rise	-12527 May 12 j 18:24	9° \approx 16'28		evening set	-12526 Apr 12 j 15:04	3° \approx 34'15	
direct	-12527 May 15 j 14:00	8° \approx 36'21		min. Earth dist.	-12526 Apr 16 j 09:19	0° \approx 35'45	0.61755 AU
morning max el	-12527 May 22 j 01:37	12° \approx 00'28	18°07'42		-12526 Apr 17 j 00:54	30° \mathcal{R} \mathcal{Z}	
asc. node	-12527 May 24 j 02:51	14° \approx 17'01		inferior conj	-12526 Apr 19 j 11:29	27° \mathcal{Z} 41'11	-3°17'41
	-12527 Jun 03 j 09:07	0° \mathcal{H}		minimum elong	-12526 Apr 19 j 10:17	27° \mathcal{Z} 44'01	3°18'18
morning set	-12527 Jun 08 j 17:20	9° \mathcal{H} 10'46		morning rise	-12526 Apr 26 j 07:15	22° \mathcal{Z} 40'41	
	-12527 Jun 21 j 01:15	0° \mathcal{Y}		direct	-12526 Apr 28 j 22:04	22° \mathcal{Z} 10'10	
superior conj	-12527 Jun 21 j 14:46	0° \mathcal{Y} 55'30	1°36'36	morning max el	-12526 May 05 j 15:29	25° \mathcal{Z} 33'26	18°03'14
minimum elong	-12527 Jun 21 j 19:40	1° \mathcal{Y} 15'37	1°36'19		-12526 May 09 j 09:32	0° \approx	
max. Earth dist.	-12527 Jun 26 j 21:21	9° \mathcal{Y} 29'09	1.43736 AU	asc. node	-12526 May 10 j 23:38	2° \approx 16'34	
evening rise	-12527 Jul 07 j 19:15	26° \mathcal{Y} 42'17		morning set	-12526 May 22 j 02:43	21° \approx 20'29	
	-12527 Jul 09 j 22:17	0° \mathcal{B}			-12526 May 26 j 22:27	0° \mathcal{H}	
desc. node	-12527 Jul 11 j 09:03	2° \mathcal{B} 14'06		superior conj	-12526 Jun 02 j 07:26	11° \mathcal{H} 09'39	1°48'21
	-12527 Jul 30 j 07:45	0° \mathcal{I}		minimum elong	-12526 Jun 02 j 08:32	11° \mathcal{H} 14'24	1°48'04
evening max el	-12527 Aug 04 j 02:57	5° \mathcal{I} 38'16	20°20'03	max. Earth dist.	-12526 Jun 09 j 06:47	22° \mathcal{H} 52'59	1.42423 AU
retrograde	-12527 Aug 11 j 22:12	10° \mathcal{I} 10'56			-12526 Jun 13 j 15:55	0° \mathcal{Y}	
evening set	-12527 Aug 15 j 15:45	8° \mathcal{I} 50'39		evening rise	-12526 Jun 16 j 20:34	5° \mathcal{Y} 04'56	
asc. node	-12527 Aug 20 j 04:04	4° \mathcal{I} 01'28		desc. node	-12526 Jun 28 j 06:38	22° \mathcal{Y} 37'00	
inferior conj	-12527 Aug 21 j 02:16	2° \mathcal{I} 47'43	0°17'20		-12526 Jul 03 j 07:08	0° \mathcal{B}	
minimum elong	-12527 Aug 21 j 01:52	2° \mathcal{I} 49'03	0°17'53	evening max el	-12526 Jul 18 j 00:17	19° \mathcal{B} 02'12	21°30'46
min. Earth dist.	-12527 Aug 21 j 21:48	1° \mathcal{I} 42'22	0.66604 AU	retrograde	-12526 Jul 26 j 18:22	24° \mathcal{B} 12'10	
	-12527 Aug 23 j 05:10	30° \mathcal{R} \mathcal{B}		evening set	-12526 Jul 31 j 00:22	22° \mathcal{B} 31'48	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12526 Aug 05 j 07:08	16° 8 22'11	-0°32'21	min. Earth dist.	-12525 Jul 20 j 11:44	0° 8 04'42	0.67241 AU
minimum elong	-12526 Aug 05 j 07:47	16° 8 19'55	0°31'32		-12525 Jul 20 j 13:05	30° 8 Υ	
min. Earth dist.	-12526 Aug 05 j 16:03	15° 8 51'27	0.67070 AU	asc. node	-12525 Jul 24 j 21:45	24° 8 Υ34'54	
asc. node	-12526 Aug 07 j 00:57	14° 8 00'15		morning rise	-12525 Jul 25 j 21:24	23° 8 Υ41'59	
morning rise	-12526 Aug 10 j 15:04	10° 8 01'12		direct	-12525 Jul 30 j 06:37	21° 8 Υ57'00	
direct	-12526 Aug 15 j 13:12	7° 8 58'11		morning max el	-12525 Aug 08 j 13:00	27° 8 Υ31'10	22°02'03
morning max el	-12526 Aug 25 j 23:28	14° 8 14'54	23°25'04		-12525 Aug 10 j 19:35	0° 8	
	-12526 Sep 07 j 16:40	0° II			-12525 Sep 01 j 08:37	0° II	
desc. node	-12526 Sep 24 j 03:56	24° II 36'52		morning set	-12525 Sep 09 j 17:04	13° II 01'20	
	-12526 Sep 27 j 11:53	0° ☾		desc. node	-12525 Sep 11 j 01:03	15° II 09'31	
morning set	-12526 Sep 29 j 13:47	3° ☾ 26'12		max. Earth dist.	-12525 Sep 16 j 07:35	23° II 47'07	1.41614 AU
max. Earth dist.	-12526 Oct 04 j 05:29	11° ☾ 21'00	1.39711 AU		-12525 Sep 20 j 00:03	0° ☾	
superior conj	-12526 Oct 11 j 16:54	24° ☾ 45'00	-1°29'01	superior conj	-12525 Sep 23 j 18:39	6° ☾ 31'59	-1°10'47
minimum elong	-12526 Oct 11 j 14:29	24° ☾ 33'47	1°28'09	minimum elong	-12525 Sep 23 j 14:46	6° ☾ 14'59	1°09'38
	-12526 Oct 14 j 12:19	0° ♌		evening rise	-12525 Oct 04 j 08:17	25° ☾ 39'15	
evening rise	-12526 Oct 20 j 23:32	12° ♌ 22'55			-12525 Oct 06 j 16:57	0° ♌	
	-12526 Oct 30 j 16:48	0° ♍		evening max el	-12525 Oct 20 j 14:19	21° ♌ 32'24	18°11'03
asc. node	-12526 Nov 03 j 00:13	4° ♍ 49'53		asc. node	-12525 Oct 20 j 21:29	21° ♌ 49'51	
evening max el	-12526 Nov 06 j 05:51	8° ♍ 32'38	18°33'34	retrograde	-12525 Oct 27 j 15:54	25° ♌ 08'24	
retrograde	-12526 Nov 14 j 01:37	12° ♍ 22'41		evening set	-12525 Oct 30 j 03:35	24° ♌ 42'19	
evening set	-12526 Nov 16 j 12:44	12° ♍ 01'12		inferior conj	-12525 Nov 06 j 06:30	19° ♌ 47'34	3°54'58
inferior conj	-12526 Nov 24 j 04:04	7° ♍ 28'06	4°15'49	minimum elong	-12525 Nov 06 j 03:10	19° ♌ 55'03	3°54'59
minimum elong	-12526 Nov 24 j 02:52	7° ♍ 30'26	4°16'06	min. Earth dist.	-12525 Nov 09 j 07:34	17° ♌ 04'28	0.60757 AU
min. Earth dist.	-12526 Nov 27 j 08:43	4° ♍ 59'17	0.58914 AU	morning rise	-12525 Nov 13 j 01:21	14° ♌ 14'32	
morning rise	-12526 Dec 01 j 15:09	2° ♍ 14'16		direct	-12525 Nov 19 j 23:12	12° ♌ 02'10	
direct	-12526 Dec 07 j 21:50	0° ♍ 35'19		morning max el	-12525 Dec 03 j 21:40	19° ♌ 25'51	27°13'13
desc. node	-12526 Dec 21 j 05:23	7° ♍ 11'27		desc. node	-12525 Dec 08 j 01:57	23° ♌ 50'45	
morning max el	-12526 Dec 21 j 22:42	7° ♍ 52'04	26°18'52		-12525 Dec 13 j 00:32	0° ♍	
	-12525 Jan 07 j 14:41	0° ♎			-12525 Dec 31 j 05:32	0° ♎	
morning set	-12525 Jan 19 j 23:50	23° ♎ 23'43		morning set	-12524 Jan 04 j 08:27	8° ♎ 16'53	
	-12525 Jan 23 j 02:20	0° ♏					
superior conj	-12525 Jan 26 j 23:15	8° ♏ 25'29	-0°27'13	superior conj	-12524 Jan 11 j 11:08	23° ♎ 29'40	-0°47'52
minimum elong	-12525 Jan 27 j 00:19	8° ♏ 31'21	0°27'30	minimum elong	-12524 Jan 11 j 12:49	23° ♎ 38'53	0°47'52
max. Earth dist.	-12525 Jan 27 j 06:11	9° ♏ 03'22	1.32820 AU	max. Earth dist.	-12524 Jan 10 j 19:23	22° ♎ 03'47	1.32830 AU
asc. node	-12525 Jan 29 j 21:28	14° ♏ 47'31		asc. node	-12524 Jan 14 j 10:44	0° ♏	
evening rise	-12525 Feb 03 j 02:21	23° ♏ 42'35		evening rise	-12524 Jan 16 j 18:50	5° ♏ 02'12	
	-12525 Feb 06 j 04:48	0° ♐			-12524 Jan 18 j 11:54	8° ♏ 39'23	
	-12525 Feb 24 j 04:45	0° ♑		evening max el	-12524 Jan 29 j 17:17	0° ♐	
evening max el	-12525 Mar 05 j 00:12	10° ♑ 12'28	26°41'18	retrograde	-12524 Feb 14 j 21:53	21° ♐ 35'10	25°33'30
retrograde	-12525 Mar 19 j 03:13	17° ♑ 37'39		evening set	-12524 Feb 28 j 23:19	28° ♐ 45'09	
desc. node	-12525 Mar 19 j 06:48	17° ♑ 37'36		desc. node	-12524 Mar 05 j 06:12	27° ♐ 38'48	
evening set	-12525 Mar 25 j 08:01	15° ♑ 57'09		min. Earth dist.	-12524 Mar 05 j 03:43	27° ♐ 41'20	
min. Earth dist.	-12525 Mar 29 j 13:40	13° ♑ 06'06	0.59779 AU	inferior conj	-12524 Mar 10 j 11:26	24° ♐ 41'44	0.57890 AU
inferior conj	-12525 Apr 01 j 21:37	10° ♑ 22'05	-2°51'11	minimum elong	-12524 Mar 13 j 13:33	22° ♐ 30'18	-1°57'55
minimum elong	-12525 Apr 01 j 18:46	10° ♑ 27'58	2°51'29	morning rise	-12524 Mar 13 j 10:10	22° ♐ 36'21	1°57'51
morning rise	-12525 Apr 09 j 08:12	5° ♑ 41'09		direct	-12524 Mar 21 j 17:19	18° ♐ 08'13	
direct	-12525 Apr 11 j 18:28	5° ♑ 18'45		morning max el	-12524 Mar 23 j 23:21	17° ♐ 52'07	
morning max el	-12525 Apr 19 j 03:07	8° ♑ 53'55	18°17'36		-12524 Apr 01 j 09:34	21° ♐ 53'09	18°51'26
asc. node	-12525 Apr 27 j 20:29	20° ♑ 58'07			-12524 Apr 07 j 19:32	0° ♒	
	-12525 May 02 j 21:08	0° ♓		asc. node	-12524 Apr 13 j 17:24	10° ♑ 12'02	
morning set	-12525 May 05 j 05:19	4° ♓ 22'47		morning set	-12524 Apr 17 j 20:42	18° ♑ 07'14	
					-12524 Apr 23 j 23:00	0° ♓	
superior conj	-12525 May 15 j 01:52	22° ♓ 40'49	1°46'18	superior conj	-12524 Apr 26 j 17:14	5° ♓ 16'58	1°34'32
minimum elong	-12525 May 15 j 00:08	22° ♓ 32'59	1°45'45	minimum elong	-12524 Apr 26 j 14:17	5° ♓ 02'59	1°33'40
	-12525 May 19 j 04:38	0° ♈		max. Earth dist.	-12524 May 03 j 10:57	17° ♓ 41'47	1.38852 AU
max. Earth dist.	-12525 May 22 j 10:27	5° ♈ 36'12	1.40717 AU	evening rise	-12524 May 07 j 14:33	24° ♓ 58'07	
evening rise	-12525 May 27 j 15:51	14° ♈ 20'21			-12524 May 10 j 13:49	0° ♈	
	-12525 Jun 06 j 13:31	0° ♉			-12524 May 30 j 05:34	0° ♉	
desc. node	-12525 Jun 15 j 04:13	12° ♉ 44'31		desc. node	-12524 Jun 01 j 01:44	2° ♉ 30'10	
	-12525 Jun 28 j 09:45	0° ♊		evening max el	-12524 Jun 12 j 01:54	15° ♉ 42'06	24°13'00
evening max el	-12525 Jun 30 j 15:09	2° ♊ 22'24	22°50'31	retrograde	-12524 Jun 23 j 02:51	22° ♉ 14'22	
retrograde	-12525 Jul 10 j 12:16	8° ♊ 14'17		evening set	-12524 Jun 28 j 13:40	19° ♉ 52'23	
evening set	-12525 Jul 15 j 08:18	6° ♊ 12'38		inferior conj	-12524 Jul 03 j 19:20	13° ♉ 36'43	-1°59'38
inferior conj	-12525 Jul 20 j 13:24	29° ♉ 58'56	-1°18'26	minimum elong	-12524 Jul 03 j 21:23	13° ♉ 29'44	1°58'51
minimum elong	-12525 Jul 20 j 14:54	29° ♉ 53'44	1°17'32	min. Earth dist.	-12524 Jul 03 j 06:25	14° ♉ 20'40	0.67099 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12524 Jul 09 j 05:04	7° Υ 27'24		min. Earth dist.	-12523 Jun 16 j 21:50	28° Υ 37'10	0.66607 AU
asc. node	-12524 Jul 10 j 18:30	6° Υ 31'06		inferior conj	-12523 Jun 17 j 23:08	27° Υ 14'24	-2°34'38
direct	-12524 Jul 13 j 02:58	5° Υ 59'47		minimum elong	-12523 Jun 18 j 01:23	27° Υ 07'04	2°34'08
morning max el	-12524 Jul 21 j 08:04	10° Υ 51'59	20°45'45	morning rise	-12523 Jun 23 j 12:21	21° Υ 15'45	
	-12524 Aug 04 j 18:19	0° Υ		direct	-12523 Jun 27 j 00:44	20° Υ 03'57	
morning set	-12524 Aug 19 j 00:22	21° Υ 41'06		asc. node	-12523 Jun 27 j 15:15	20° Υ 06'00	
	-12524 Aug 24 j 07:16	0° Υ		morning max el	-12523 Jul 04 j 09:44	24° Υ 20'04	19°41'10
desc. node	-12524 Aug 27 j 22:15	5° Υ 47'56			-12523 Jul 09 j 03:16	0° Υ	
max. Earth dist.	-12524 Aug 28 j 16:11	7° Υ 00'18	1.43188 AU	morning set	-12523 Jul 29 j 05:03	0° Υ 15'28	
					-12523 Jul 29 j 01:06	0° Υ	
superior conj	-12524 Sep 03 j 18:55	17° Υ 02'31	-0°40'19	max. Earth dist.	-12523 Aug 11 j 06:03	20° Υ 47'33	1.44217 AU
minimum elong	-12524 Sep 03 j 15:25	16° Υ 47'58	0°39'08				
	-12524 Sep 11 j 09:48	0° Υ		superior conj	-12523 Aug 14 j 15:41	26° Υ 13'32	0°00'59
evening rise	-12524 Sep 16 j 02:09	8° Υ 10'44		minimum elong	-12523 Aug 14 j 15:51	26° Υ 14'13	0°01'35
	-12524 Sep 29 j 04:31	0° Υ		behind sun begin	-12523 Aug 14 j 04:55	25° Υ 30'22	
evening max el	-12524 Oct 03 j 02:54	4° Υ 48'15	18°07'58	behind sun end	-12523 Aug 15 j 02:47	26° Υ 58'07	
asc. node	-12524 Oct 06 j 18:41	7° Υ 35'33		desc. node	-12523 Aug 14 j 19:34	26° Υ 29'09	
retrograde	-12524 Oct 09 j 19:17	8° Υ 20'45			-12523 Aug 16 j 23:57	0° Υ	
evening set	-12524 Oct 12 j 09:26	7° Υ 48'09		evening rise	-12523 Aug 28 j 23:47	19° Υ 44'30	
inferior conj	-12524 Oct 19 j 00:45	2° Υ 33'03	3°17'22		-12523 Sep 04 j 03:03	0° Υ	
minimum elong	-12524 Oct 18 j 20:54	2° Υ 42'51	3°17'06	evening max el	-12523 Sep 16 j 16:38	18° Υ 13'48	18°23'20
min. Earth dist.	-12524 Oct 21 j 15:29	29° Υ 54'12	0.62509 AU	retrograde	-12523 Sep 23 j 07:37	21° Υ 51'53	
	-12524 Oct 21 j 13:07	30° Υ		asc. node	-12523 Sep 23 j 15:48	21° Υ 51'15	
morning rise	-12524 Oct 25 j 07:22	26° Υ 43'13		evening set	-12523 Sep 26 j 02:25	21° Υ 10'11	
direct	-12524 Nov 01 j 08:40	24° Υ 09'05		inferior conj	-12523 Oct 02 j 07:30	15° Υ 37'46	2°30'31
	-12524 Nov 13 j 08:07	0° Υ		minimum elong	-12523 Oct 02 j 04:11	15° Υ 47'09	2°30'13
morning max el	-12524 Nov 15 j 02:45	1° Υ 38'26	27°33'51	min. Earth dist.	-12523 Oct 04 j 09:41	13° Υ 16'25	0.64032 AU
desc. node	-12524 Nov 23 j 22:32	11° Υ 45'59		morning rise	-12523 Oct 08 j 05:13	9° Υ 34'08	
	-12524 Dec 06 j 03:27	0° Υ		direct	-12523 Oct 15 j 01:20	6° Υ 51'14	
morning set	-12524 Dec 18 j 11:57	22° Υ 51'49		morning max el	-12523 Oct 28 j 11:52	14° Υ 23'15	27°20'24
	-12524 Dec 21 j 22:47	0° Υ			-12523 Nov 10 j 09:12	0° Υ	
max. Earth dist.	-12524 Dec 24 j 05:17	4° Υ 49'44	1.33190 AU	desc. node	-12523 Nov 10 j 19:13	0° Υ 35'24	
					-12523 Nov 28 j 16:13	0° Υ	
superior conj	-12524 Dec 25 j 21:42	8° Υ 27'23	-1°06'06	morning set	-12523 Dec 02 j 07:40	6° Υ 59'38	
minimum elong	-12524 Dec 25 j 23:41	8° Υ 38'11	1°05'55	max. Earth dist.	-12523 Dec 07 j 08:11	17° Υ 09'49	1.33933 AU
evening rise	-12523 Jan 01 j 22:59	23° Υ 37'40					
asc. node	-12523 Jan 02 j 16:12	25° Υ 07'39		superior conj	-12523 Dec 10 j 05:08	23° Υ 12'20	-1°21'05
	-12523 Jan 05 j 01:22	0° Υ		minimum elong	-12523 Dec 10 j 07:03	23° Υ 22'29	1°20'47
	-12523 Jan 24 j 03:46	0° Υ			-12523 Dec 13 j 09:33	0° Υ	
evening max el	-12523 Jan 26 j 15:28	2° Υ 31'36	24°05'52	evening rise	-12523 Dec 17 j 09:59	8° Υ 31'29	
retrograde	-12523 Feb 09 j 07:11	9° Υ 16'30		asc. node	-12523 Dec 20 j 13:35	14° Υ 58'46	
evening set	-12523 Feb 13 j 12:39	8° Υ 36'47			-12523 Dec 28 j 20:47	0° Υ	
min. Earth dist.	-12523 Feb 20 j 04:47	5° Υ 21'53	0.56386 AU	evening max el	-12522 Jan 08 j 09:32	13° Υ 23'58	22°31'42
desc. node	-12523 Feb 20 j 00:33	5° Υ 28'20		retrograde	-12522 Jan 21 j 03:40	19° Υ 30'55	
inferior conj	-12523 Feb 22 j 09:39	3° Υ 59'34	-0°35'45	evening set	-12522 Jan 24 j 11:33	19° Υ 06'35	
minimum elong	-12523 Feb 22 j 08:14	4° Υ 01'47	0°36'00	min. Earth dist.	-12522 Feb 01 j 19:53	15° Υ 20'48	0.55559 AU
	-12523 Mar 02 j 15:58	30° Υ		inferior conj	-12522 Feb 02 j 13:23	14° Υ 55'32	1°05'58
morning rise	-12523 Mar 03 j 06:35	29° Υ 52'13		minimum elong	-12522 Feb 02 j 16:09	14° Υ 51'34	1°04'34
direct	-12523 Mar 05 j 10:11	29° Υ 39'53		desc. node	-12522 Feb 06 j 21:20	12° Υ 34'39	
	-12523 Mar 08 j 02:28	0° Υ		morning rise	-12522 Feb 11 j 21:50	10° Υ 51'44	
morning max el	-12523 Mar 15 j 07:48	4° Υ 21'06	19°45'08	direct	-12522 Feb 14 j 05:53	10° Υ 38'59	
asc. node	-12523 Mar 31 j 14:23	29° Υ 50'00		morning max el	-12522 Feb 25 j 19:27	16° Υ 10'29	20°57'58
	-12523 Mar 31 j 16:24	0° Υ			-12522 Mar 08 j 04:24	0° Υ	
morning set	-12523 Apr 01 j 21:10	2° Υ 23'31		morning set	-12522 Mar 17 j 03:47	17° Υ 02'45	
				asc. node	-12522 Mar 18 j 11:24	19° Υ 45'29	
superior conj	-12523 Apr 10 j 00:11	18° Υ 43'21	1°16'39		-12522 Mar 23 j 09:52	0° Υ	
minimum elong	-12523 Apr 09 j 21:12	18° Υ 28'40	1°15'33				
max. Earth dist.	-12523 Apr 15 j 13:06	29° Υ 25'15	1.37057 AU	superior conj	-12522 Mar 24 j 18:18	2° Υ 46'54	0°55'13
	-12523 Apr 15 j 20:30	0° Υ		minimum elong	-12522 Mar 24 j 15:59	2° Υ 35'02	0°54'05
evening rise	-12523 Apr 19 j 14:32	6° Υ 53'48		max. Earth dist.	-12522 Mar 28 j 22:27	11° Υ 11'42	1.35519 AU
	-12523 May 03 j 10:10	0° Υ		evening rise	-12522 Apr 02 j 10:12	19° Υ 51'33	
desc. node	-12523 May 18 j 23:11	21° Υ 45'14			-12522 Apr 08 j 00:02	0° Υ	
evening max el	-12523 May 25 j 11:25	29° Υ 03'13	25°30'14		-12522 Apr 27 j 09:03	0° Υ	
	-12523 May 26 j 10:45	0° Υ		desc. node	-12522 May 05 j 20:37	10° Υ 16'47	
retrograde	-12523 Jun 06 j 13:23	6° Υ 08'12		evening max el	-12522 May 07 j 21:36	12° Υ 23'03	26°33'35
evening set	-12523 Jun 12 j 14:26	3° Υ 30'02		retrograde	-12522 May 20 j 19:21	19° Υ 48'54	
	-12523 Jun 15 j 19:51	30° Υ		evening set	-12522 May 27 j 08:19	17° Υ 02'28	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12522 May 31 j 07:47	12° H 48'43	0.65733 AU		min. Earth dist.	-12521 May 11 j 05:05	30° R	
inferior conj	-12522 Jun 01 j 22:47	10° H 48'56	-3°01'50		inferior conj	-12521 May 14 j 10:29	26° A 47'55	0.64467 AU
minimum elong	-12522 Jun 02 j 00:45	10° H 42'51	3°01'46		minimum elong	-12521 May 16 j 15:57	24° A 17'03	-3°19'03
morning rise	-12522 Jun 07 j 17:26	5° H 03'36			morning rise	-12521 May 16 j 17:07	24° A 13'46	3°19'25
direct	-12522 Jun 10 j 22:05	4° H 05'36			direct	-12521 May 22 j 18:15	18° A 47'21	
asc. node	-12522 Jun 14 j 11:58	5° H 13'52			asc. node	-12521 May 25 j 16:46	18° A 01'12	
morning max el	-12522 Jun 17 j 17:17	7° H 54'06	18°51'25		morning max el	-12521 Jun 01 j 05:03	21° A 31'28	18°18'27
	-12522 Jul 03 j 02:55	0° Y			asc. node	-12521 Jun 01 j 08:42	21° A 40'42	
morning set	-12522 Jul 09 j 01:27	9° Y 33'09			morning set	-12521 Jun 07 j 17:49	0° H	
	-12522 Jul 21 j 20:59	0° B				-12521 Jun 19 j 22:34	19° H 59'17	
						-12521 Jun 25 j 22:49	0° Y	
superior conj	-12522 Jul 24 j 17:44	4° B 32'06	0°45'41		superior conj	-12521 Jul 03 j 21:57	12° Y 58'41	1°22'23
minimum elong	-12522 Jul 24 j 22:55	4° B 52'37	0°45'32		minimum elong	-12521 Jul 04 j 04:21	13° Y 24'23	1°22'02
max. Earth dist.	-12522 Jul 24 j 22:14	4° B 49'56	1.44578 AU		max. Earth dist.	-12521 Jul 07 j 13:57	18° Y 50'45	1.44240 AU
desc. node	-12522 Aug 01 j 16:56	17° B 09'20			desc. node	-12521 Jul 14 j 15:21	0° B	
evening rise	-12522 Aug 09 j 19:37	0° II 05'46			evening rise	-12521 Jul 19 j 14:24	7° B 45'53	
	-12522 Aug 09 j 18:11	0° II			greatest brilliancy	-12521 Jul 20 j 12:29	9° B 12'00	
	-12522 Aug 29 j 15:02	0° E				-12521 Aug 01 j 07:41	27° B 24'19	-0.7m
evening max el	-12522 Aug 31 j 04:41	1° E 43'33	18°56'10			-12521 Aug 03 j 01:06	0° II	
retrograde	-12522 Sep 07 j 01:17	5° E 35'38			evening max el	-12521 Aug 14 j 12:29	15° II 13'44	19°45'14
evening set	-12522 Sep 10 j 03:07	4° E 41'41			retrograde	-12521 Aug 21 j 21:29	19° II 28'41	
asc. node	-12522 Sep 10 j 12:53	4° E 26'38			evening set	-12521 Aug 25 j 08:42	18° II 18'59	
	-12522 Sep 15 j 02:15	30° R II			asc. node	-12521 Aug 28 j 09:52	15° II 29'40	
inferior conj	-12522 Sep 15 j 23:34	28° II 55'14	1°39'17		inferior conj	-12521 Aug 30 j 22:19	12° II 21'27	0°47'00
minimum elong	-12522 Sep 15 j 21:18	29° II 02'12	1°39'15		minimum elong	-12521 Aug 30 j 21:14	12° II 24'58	0°47'20
min. Earth dist.	-12522 Sep 17 j 13:16	26° II 59'44	0.65270 AU		min. Earth dist.	-12521 Sep 01 j 00:17	10° II 56'49	0.66208 AU
morning rise	-12522 Sep 21 j 14:57	22° II 41'37			morning rise	-12521 Sep 05 j 09:28	6° II 02'01	
direct	-12522 Sep 28 j 00:40	20° II 01'18			direct	-12521 Sep 11 j 05:54	3° II 32'42	
morning max el	-12522 Oct 10 j 22:15	27° II 27'49	26°37'22		morning max el	-12521 Sep 23 j 08:13	10° II 41'05	25°32'03
	-12522 Oct 13 j 08:49	0° E				-12521 Oct 08 j 20:02	0° E	
desc. node	-12522 Oct 28 j 15:56	20° E 03'03			desc. node	-12521 Oct 15 j 12:43	9° E 57'56	
	-12522 Nov 04 j 00:40	0° O				-12521 Oct 27 j 14:51	0° O	
morning set	-12522 Nov 15 j 16:07	20° O 29'22			morning set	-12521 Oct 29 j 08:50	3° O 07'47	
max. Earth dist.	-12522 Nov 20 j 00:54	28° O 57'55	1.35095 AU		max. Earth dist.	-12521 Nov 02 j 07:04	10° O 22'44	1.36678 AU
	-12522 Nov 20 j 13:22	0° M						
superior conj	-12522 Nov 24 j 07:17	7° M 37'19	-1°31'47		superior conj	-12521 Nov 08 j 01:21	21° O 33'31	-1°36'51
minimum elong	-12522 Nov 24 j 08:37	7° M 44'16	1°31'24		minimum elong	-12521 Nov 08 j 01:35	21° O 34'42	1°36'21
evening rise	-12522 Dec 01 j 19:13	23° M 15'13				-12521 Nov 12 j 05:48	0° M	
	-12522 Dec 05 j 03:08	0° A			evening rise	-12521 Nov 16 j 00:51	7° M 43'03	
asc. node	-12522 Dec 07 j 10:59	4° A 29'30			asc. node	-12521 Nov 24 j 08:24	23° M 31'56	
evening max el	-12522 Dec 21 j 09:45	24° A 35'46	21°03'39			-12521 Nov 28 j 11:25	0° A	
retrograde	-12521 Jan 01 j 18:21	29° A 55'55			evening max el	-12521 Dec 03 j 19:31	6° A 19'01	19°50'08
evening set	-12521 Jan 04 j 13:38	29° A 37'38			retrograde	-12521 Dec 13 j 14:16	10° A 55'12	
inferior conj	-12521 Jan 13 j 10:58	25° A 38'29	2°42'56		evening set	-12521 Dec 16 j 04:21	10° A 37'22	
minimum elong	-12521 Jan 13 j 16:40	25° A 30'14	2°41'07		inferior conj	-12521 Dec 24 j 15:20	6° A 32'56	3°49'29
min. Earth dist.	-12521 Jan 14 j 09:53	25° A 05'19	0.55581 AU		minimum elong	-12521 Dec 26 j 19:50	6° A 25'50	3°48'44
morning rise	-12521 Jan 22 j 18:39	21° A 22'40			min. Earth dist.	-12521 Dec 26 j 23:06	5° A 05'27	0.56434 AU
desc. node	-12521 Jan 24 j 18:03	21° A 04'16			morning rise	-12520 Jan 02 j 09:18	1° A 55'21	
direct	-12521 Jan 25 j 21:02	21° A 01'26			direct	-12520 Jan 06 j 18:26	1° A 12'26	
morning max el	-12521 Feb 07 j 19:56	27° A 21'09	22°26'39		desc. node	-12520 Jan 11 j 14:41	2° A 06'08	
	-12521 Feb 10 j 09:10	0° M			morning max el	-12520 Jan 20 j 12:12	8° A 05'03	24°03'21
	-12521 Feb 28 j 15:30	0° A				-12520 Feb 05 j 09:18	0° M	
morning set	-12521 Mar 01 j 14:17	1° A 57'55			morning set	-12520 Feb 14 j 02:36	17° M 01'12	
asc. node	-12521 Mar 05 j 08:32	9° A 53'36			asc. node	-12520 Feb 20 j 05:45	0° A 09'01	
						-12520 Feb 20 j 04:05	0° A	
superior conj	-12521 Mar 08 j 20:19	17° A 17'48	0°32'06		superior conj	-12520 Feb 21 j 03:34	2° A 06'35	0°08'33
minimum elong	-12521 Mar 08 j 18:58	17° A 10'38	0°31'05		minimum elong	-12520 Feb 21 j 03:14	2° A 04'46	0°07'48
max. Earth dist.	-12521 Mar 11 j 18:06	23° A 22'06	1.34326 AU		behind sun begin	-12520 Feb 20 j 22:44	1° A 40'29	
	-12521 Mar 15 j 00:29	0° B			behind sun end	-12520 Feb 21 j 07:45	2° A 29'02	
evening rise	-12521 Mar 16 j 20:19	3° B 36'08			max. Earth dist.	-12520 Feb 22 j 22:59	5° A 59'04	1.33483 AU
	-12521 Mar 31 j 19:42	0° A			evening rise	-12520 Feb 28 j 16:33	17° A 53'01	
evening max el	-12521 Apr 20 j 08:29	25° A 34'37	27°14'49			-12520 Mar 05 j 23:51	0° B	
desc. node	-12521 Apr 22 j 17:58	27° A 47'12				-12520 Mar 25 j 06:36	0° A	
	-12521 Apr 25 j 13:41	0° H			evening max el	-12520 Apr 01 j 18:15	8° A 25'50	27°27'21
retrograde	-12521 May 03 j 20:00	3° H 09'14			desc. node	-12520 Apr 08 j 15:13	13° A 51'21	
evening set	-12521 May 10 j 16:34	0° H 25'50						

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12520 Apr 15 j 14:22	16°≈00'22		evening rise	-12519 Feb 11 j 19:47	2°≈31'30	
evening set	-12520 Apr 22 j 12:00	13°≈32'51			-12519 Feb 26 j 22:11	0°≈	
min. Earth dist.	-12520 Apr 26 j 04:23	10°≈23'11	0.62834 AU	evening max el	-12519 Mar 15 j 00:18	20°≈45'00	27°07'22
inferior conj	-12520 Apr 28 j 23:47	7°≈32'42	-3°23'05	desc. node	-12519 Mar 26 j 12:21	27°≈57'29	
minimum elong	-12520 Apr 28 j 23:34	7°≈33'15	3°23'42	retrograde	-12519 Mar 29 j 01:21	28°≈14'36	
morning rise	-12520 May 05 j 12:19	2°≈20'48		evening set	-12519 Apr 04 j 15:21	26°≈14'29	
direct	-12520 May 08 j 05:51	1°≈44'51		min. Earth dist.	-12519 Apr 08 j 13:09	23°≈21'06	0.60931 AU
morning max el	-12520 May 14 j 18:49	5°≈07'15	18°03'25	inferior conj	-12519 Apr 11 j 18:52	20°≈28'28	-3°09'23
asc. node	-12520 May 18 j 05:28	9°≈10'14		minimum elong	-12519 Apr 11 j 16:55	20°≈32'50	3°09'54
	-12520 May 30 j 22:32	0°≈		morning rise	-12519 Apr 18 j 20:34	15°≈36'09	
morning set	-12520 May 31 j 19:56	1°≈33'58		direct	-12519 Apr 21 j 09:36	15°≈09'07	
				morning max el	-12519 Apr 28 j 08:02	18°≈35'26	18°06'58
superior conj	-12520 Jun 12 j 23:04	22°≈26'27	1°43'32	asc. node	-12519 May 05 j 02:17	27°≈28'39	
minimum elong	-12520 Jun 13 j 02:23	22°≈40'19	1°43'16		-12519 May 06 j 15:19	0°≈	
	-12520 Jun 17 j 12:52	0°≈		morning set	-12519 May 14 j 13:13	14°≈07'23	
max. Earth dist.	-12520 Jun 19 j 02:47	2°≈34'12	1.43246 AU		-12519 May 23 j 07:07	0°≈	
evening rise	-12520 Jun 28 j 13:14	17°≈33'12					
desc. node	-12520 Jul 05 j 11:57	28°≈14'59		superior conj	-12519 May 25 j 03:07	3°≈14'12	1°48'56
	-12520 Jul 06 j 15:37	0°≈		minimum elong	-12519 May 25 j 02:49	3°≈12'53	1°48'34
evening max el	-12520 Jul 27 j 14:01	28°≈41'01	20°48'48	max. Earth dist.	-12519 Jun 01 j 10:20	15°≈43'48	1.41737 AU
	-12520 Jul 28 j 22:42	0°≈		evening rise	-12519 Jun 07 j 20:03	26°≈11'42	
retrograde	-12520 Aug 04 j 18:06	3°≈28'06			-12519 Jun 10 j 05:30	0°≈	
evening set	-12520 Aug 08 j 16:49	1°≈59'28		desc. node	-12519 Jun 22 j 09:29	18°≈31'50	
	-12520 Aug 10 j 19:47	30°≈			-12519 Jun 30 j 11:31	0°≈	
inferior conj	-12520 Aug 14 j 01:30	25°≈53'36	-0°04'06	evening max el	-12519 Jul 10 j 08:24	12°≈02'50	22°03'54
minimum elong	-12520 Aug 14 j 01:35	25°≈53'21	0°03'25	retrograde	-12519 Jul 19 j 13:25	17°≈30'05	
transit middle	-12520 Aug 14 j 01:35	25°≈53'21	0°03'25	evening set	-12519 Jul 24 j 01:22	15°≈40'26	
transit begin	-12520 Aug 13 j 22:54	26°≈02'25		inferior conj	-12519 Jul 29 j 07:09	9°≈28'45	-0°52'26
transit end	-12520 Aug 14 j 04:15	25°≈44'18		minimum elong	-12519 Jul 29 j 08:11	9°≈25'08	0°51'33
asc. node	-12520 Aug 14 j 06:46	25°≈35'44		min. Earth dist.	-12519 Jul 29 j 11:31	9°≈13'39	0.67181 AU
min. Earth dist.	-12520 Aug 14 j 16:30	25°≈02'44	0.66843 AU	asc. node	-12519 Aug 01 j 03:35	5°≈42'13	
morning rise	-12520 Aug 19 j 10:10	19°≈32'18		morning rise	-12519 Aug 03 j 14:56	3°≈09'18	
direct	-12520 Aug 24 j 16:23	17°≈19'05		direct	-12519 Aug 08 j 07:22	1°≈14'11	
morning max el	-12520 Sep 04 j 18:05	23°≈56'52	24°13'12	morning max el	-12519 Aug 18 j 05:39	7°≈12'46	22°49'23
	-12520 Sep 10 j 03:27	0°≈			-12519 Sep 04 j 18:38	0°≈	
desc. node	-12520 Oct 01 j 09:38	0°≈12'19		desc. node	-12519 Sep 18 j 06:39	20°≈39'26	
	-12520 Oct 01 j 06:31	0°≈		morning set	-12519 Sep 20 j 22:51	24°≈59'06	
morning set	-12520 Oct 10 j 04:37	14°≈41'22			-12519 Sep 23 j 23:41	0°≈	
max. Earth dist.	-12520 Oct 14 j 07:03	21°≈52'16	1.38572 AU	max. Earth dist.	-12519 Sep 26 j 07:06	3°≈53'44	1.40548 AU
	-12520 Oct 18 j 18:00	0°≈					
superior conj	-12520 Oct 21 j 07:42	4°≈50'32	-1°34'32	superior conj	-12519 Oct 03 j 21:25	17°≈13'55	-1°22'43
minimum elong	-12520 Oct 21 j 06:19	4°≈43'58	1°33'50	minimum elong	-12519 Oct 03 j 18:16	16°≈59'40	1°21'43
evening rise	-12520 Oct 30 j 00:45	21°≈49'24			-12519 Oct 10 j 18:57	0°≈	
	-12520 Nov 03 j 06:18	0°≈		evening rise	-12519 Oct 13 j 16:00	5°≈26'11	
asc. node	-12520 Nov 10 j 05:47	11°≈56'34		asc. node	-12519 Oct 28 j 03:05	29°≈31'05	
evening max el	-12520 Nov 15 j 15:26	18°≈35'56	18°55'36		-12519 Oct 28 j 13:08	0°≈	
retrograde	-12520 Nov 24 j 01:42	22°≈39'22		evening max el	-12519 Oct 29 j 19:57	1°≈21'18	18°21'28
evening set	-12520 Nov 26 j 13:30	22°≈19'33		retrograde	-12519 Nov 06 j 06:57	5°≈04'22	
inferior conj	-12520 Dec 04 j 12:02	17°≈58'02	4°16'17	evening set	-12519 Nov 08 j 18:01	4°≈41'10	
minimum elong	-12520 Dec 04 j 12:50	17°≈56'36	4°16'27	inferior conj	-12519 Nov 16 j 03:57	29°≈58'31	4°09'39
min. Earth dist.	-12520 Dec 07 j 13:18	15°≈47'02	0.57906 AU	minimum elong	-12519 Nov 16 j 01:38	0°≈03'21	4°09'51
morning rise	-12520 Dec 12 j 10:14	12°≈56'57			-12519 Nov 16 j 03:15	30°≈	
direct	-12520 Dec 18 j 02:42	11°≈40'05		min. Earth dist.	-12519 Nov 19 j 08:05	27°≈21'18	0.59694 AU
desc. node	-12520 Dec 28 j 11:17	15°≈42'49		morning rise	-12519 Nov 23 j 07:36	24°≈35'59	
morning max el	-12519 Jan 01 j 03:04	18°≈49'55	25°34'46	direct	-12519 Nov 29 j 22:03	22°≈42'05	
	-12519 Jan 10 j 12:39	0°≈			-12519 Dec 13 j 21:41	0°≈	
	-12519 Jan 27 j 14:47	0°≈		morning max el	-12519 Dec 13 j 22:30	0°≈01'58	26°45'58
morning set	-12519 Jan 28 j 14:56	2°≈05'52		desc. node	-12519 Dec 15 j 07:52	1°≈24'38	
					-12518 Jan 04 j 07:01	0°≈	
superior conj	-12519 Feb 04 j 13:59	17°≈06'03	-0°14'30	morning set	-12518 Jan 13 j 01:27	17°≈05'01	
minimum elong	-12519 Feb 04 j 14:36	17°≈09'22	0°14'57		-12518 Jan 19 j 02:00	0°≈	
behind sun begin	-12519 Feb 04 j 13:01	17°≈00'47		superior conj	-12518 Jan 20 j 01:47	2°≈09'53	-0°36'15
behind sun end	-12519 Feb 04 j 16:10	17°≈17'57		minimum elong	-12518 Jan 20 j 03:09	2°≈17'22	0°36'23
max. Earth dist.	-12519 Feb 05 j 09:59	18°≈54'50	1.32971 AU	max. Earth dist.	-12518 Jan 19 j 23:21	1°≈56'37	1.32781 AU
asc. node	-12519 Feb 06 j 03:02	20°≈27'20		asc. node	-12518 Jan 24 j 00:22	10°≈44'17	
	-12519 Feb 10 j 14:31	0°≈		evening rise	-12518 Jan 27 j 03:33	17°≈23'05	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12518 Feb 02 j 12:03	0°♊		asc. node	-12517 Jan 10 j 21:43	0°♊55'16	
	-12518 Feb 22 j 15:12	0°♋		evening rise	-12517 Jan 11 j 13:56	2°♊20'41	
evening max el	-12518 Feb 25 j 00:51	2°♋26'32	26°15'32		-12517 Jan 26 j 19:01	0°♊	
retrograde	-12518 Mar 11 j 03:45	9°♋46'45		evening max el	-12517 Feb 06 j 20:15	13°♊35'14	24°57'57
desc. node	-12518 Mar 13 j 09:22	9°♋34'09		retrograde	-12517 Feb 20 j 19:18	20°♊36'56	
evening set	-12518 Mar 17 j 00:18	8°♋20'49		evening set	-12517 Feb 25 j 15:07	19°♊43'17	
min. Earth dist.	-12518 Mar 21 j 14:11	5°♋29'02	0.58945 AU	desc. node	-12517 Feb 28 j 06:17	18°♊32'33	
inferior conj	-12518 Mar 24 j 21:35	2°♋56'06	-2°32'09	min. Earth dist.	-12517 Mar 03 j 09:57	16°♊39'49	0.57173 AU
minimum elong	-12518 Mar 24 j 18:17	3°♋02'30	2°32'16	inferior conj	-12517 Mar 06 j 05:01	14°♊47'33	-1°26'24
	-12518 Mar 29 j 01:01	30°♋♊		minimum elong	-12517 Mar 06 j 02:06	14°♊52'26	1°26'20
morning rise	-12518 Apr 01 j 15:19	28°♊23'50		morning rise	-12517 Mar 14 j 16:21	10°♊32'44	
direct	-12518 Apr 03 j 23:46	28°♊04'23		direct	-12517 Mar 16 j 20:40	10°♊18'46	
	-12518 Apr 09 j 13:21	0°♋		morning max el	-12517 Mar 25 j 21:17	14°♊35'38	19°11'57
morning max el	-12518 Apr 11 j 17:54	1°♋48'24	18°29'41		-12517 Apr 05 j 17:07	0°♋	
asc. node	-12518 Apr 21 j 23:09	16°♋25'03		asc. node	-12517 Apr 08 j 20:05	5°♋49'47	
morning set	-12518 Apr 27 j 21:47	27°♋29'06		morning set	-12517 Apr 11 j 17:25	11°♋27'49	
	-12518 Apr 29 j 05:20	0°♌					
				superior conj	-12517 Apr 20 j 05:50	28°♋14'48	1°27'32
superior conj	-12518 May 07 j 07:14	15°♌15'40	1°42'16	minimum elong	-12517 Apr 20 j 02:45	27°♋59'57	1°26'32
minimum elong	-12518 May 07 j 04:48	15°♌04'26	1°41'35		-12517 Apr 21 j 03:41	0°♌	
max. Earth dist.	-12518 May 14 j 12:10	28°♌10'14	1.39924 AU	max. Earth dist.	-12517 Apr 26 j 12:05	10°♌01'12	1.38060 AU
	-12518 May 15 j 13:33	0°♍		evening rise	-12517 Apr 30 j 12:46	17°♌13'45	
evening rise	-12518 May 19 j 02:43	6°♍01'10			-12517 May 08 j 02:17	0°♍	
	-12518 Jun 03 j 08:44	0°♎		desc. node	-12517 May 27 j 04:32	28°♍05'22	
desc. node	-12518 Jun 09 j 07:01	8°♎31'18			-12517 May 28 j 16:21	0°♎	
evening max el	-12518 Jun 22 j 20:59	25°♎22'03	23°25'36	evening max el	-12517 Jun 05 j 06:49	8°♎42'08	24°47'00
	-12518 Jun 28 j 11:41	0°♏		retrograde	-12517 Jun 16 j 19:15	15°♎30'13	
retrograde	-12518 Jul 03 j 06:09	1°♏32'18		evening set	-12517 Jun 22 j 12:08	13°♎00'47	
	-12518 Jul 07 j 13:15	30°♏♎		min. Earth dist.	-12517 Jun 27 j 00:46	7°♎45'07	0.66932 AU
evening set	-12518 Jul 08 j 08:27	29°♎21'31		inferior conj	-12517 Jun 27 j 18:46	6°♎44'40	-2°15'20
inferior conj	-12518 Jul 13 j 13:30	23°♎06'28	-1°36'36	minimum elong	-12517 Jun 27 j 20:57	6°♎37'21	2°14'39
minimum elong	-12518 Jul 13 j 15:16	23°♎00'20	1°35'43	morning rise	-12517 Jul 03 j 05:44	0°♎39'16	
min. Earth dist.	-12518 Jul 13 j 07:05	23°♎28'34	0.67220 AU		-12517 Jul 04 j 07:00	30°♏♍	
morning rise	-12518 Jul 18 j 22:02	16°♎52'20		asc. node	-12517 Jul 05 j 21:05	29°♏25'23	
asc. node	-12518 Jul 19 j 00:21	16°♎47'51		direct	-12517 Jul 06 j 23:19	29°♏18'37	
direct	-12518 Jul 23 j 02:06	15°♎15'08			-12517 Jul 09 j 18:54	0°♎	
morning max el	-12518 Jul 31 j 21:27	20°♎31'23	21°28'24	morning max el	-12517 Jul 14 j 19:16	3°♎55'02	20°16'32
	-12518 Aug 08 j 16:40	0°♏			-12517 Aug 02 j 15:25	0°♏	
	-12518 Aug 29 j 01:11	0°♐		morning set	-12517 Aug 10 j 19:48	12°♏36'44	
morning set	-12518 Aug 31 j 16:10	4°♐06'28			-12517 Aug 21 j 20:23	0°♐	
desc. node	-12518 Sep 05 j 03:46	11°♐14'54		max. Earth dist.	-12517 Aug 21 j 22:11	0°♐07'11	1.43701 AU
max. Earth dist.	-12518 Sep 08 j 11:40	16°♐39'45	1.42339 AU	desc. node	-12517 Aug 23 j 01:00	1°♐54'55	
superior conj	-12518 Sep 15 j 12:51	28°♐29'15	-0°59'21	superior conj	-12517 Aug 27 j 01:16	8°♐25'24	-0°23'50
minimum elong	-12518 Sep 15 j 08:48	28°♐11'54	0°58'08	minimum elong	-12517 Aug 26 j 22:55	8°♐15'50	0°22'50
	-12518 Sep 16 j 09:58	0°♑			-12517 Sep 08 j 21:14	0°♑	
evening rise	-12518 Sep 26 j 19:00	18°♑24'42		evening rise	-12517 Sep 09 j 04:57	0°♑33'13	
	-12518 Oct 03 j 06:41	0°♒		evening max el	-12517 Sep 26 j 19:58	27°♑49'31	18°12'22
evening max el	-12518 Oct 13 j 06:28	14°♒28'15	18°07'23		-12517 Sep 29 j 09:32	0°♒	
asc. node	-12518 Oct 15 j 00:18	16°♒01'08		asc. node	-12517 Oct 01 j 21:27	1°♒10'35	
retrograde	-12518 Oct 20 j 03:19	18°♒01'51		retrograde	-12517 Oct 03 j 10:50	1°♒23'06	
evening set	-12518 Oct 22 j 15:39	17°♒33'25		evening set	-12517 Oct 06 j 02:42	0°♒47'02	
inferior conj	-12518 Oct 29 j 13:32	12°♒29'52	3°40'34		-12517 Oct 07 j 12:43	30°♏♑	
minimum elong	-12518 Oct 29 j 09:48	12°♒38'42	3°40'25	inferior conj	-12517 Oct 12 j 13:31	25°♑24'33	2°58'16
min. Earth dist.	-12518 Nov 01 j 10:48	9°♒46'15	0.61523 AU	minimum elong	-12517 Oct 12 j 09:48	25°♑34'27	2°57'57
morning rise	-12518 Nov 05 j 02:40	6°♒49'02		min. Earth dist.	-12517 Oct 14 j 23:09	22°♑51'33	0.63193 AU
direct	-12518 Nov 12 j 03:07	4°♒25'34		morning rise	-12517 Oct 18 j 15:59	19°♑28'31	
morning max el	-12518 Nov 26 j 00:21	11°♒52'46	27°26'14	direct	-12517 Oct 25 j 16:06	16°♑48'44	
desc. node	-12518 Dec 02 j 04:27	18°♒39'12		morning max el	-12517 Nov 08 j 07:19	24°♑20'10	27°32'02
	-12518 Dec 10 j 11:33	0°♓			-12517 Nov 13 j 13:05	0°♓	
	-12518 Dec 27 j 10:20	0°♑		desc. node	-12517 Nov 19 j 01:04	7°♓00'10	
morning set	-12518 Dec 28 j 08:08	1°♑51'10			-12517 Dec 03 j 17:39	0°♓	
max. Earth dist.	-12517 Jan 03 j 11:26	14°♑51'18	1.32932 AU	morning set	-12517 Dec 12 j 08:42	16°♓16'12	
				max. Earth dist.	-12517 Dec 17 j 18:37	27°♓27'04	1.33452 AU
					-12517 Dec 18 j 23:21	0°♑	
superior conj	-12517 Jan 04 j 13:17	17°♑11'46	-0°55'58				
minimum elong	-12517 Jan 04 j 15:09	17°♑21'54	0°55'53				
	-12517 Jan 10 j 11:18	0°♒		superior conj	-12517 Dec 19 j 22:49	2°♑05'38	-1°12'55

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12517 Dec 20 j 00:49	2°♄16'27	1°12'41	morning set	-12516 Nov 25 j 00:05	0°♊09'12	
evening rise	-12517 Dec 27 j 01:12	17°♄18'16		max. Earth dist.	-12516 Nov 29 j 17:30	9°♊33'57	1.34379 AU
asc. node	-12517 Dec 28 j 19:06	20°♄55'43					
	-12516 Jan 02 j 09:49	0°♌		superior conj	-12516 Dec 03 j 04:18	16°♊43'17	-1°26'13
evening max el	-12516 Jan 19 j 13:38	24°♌28'15	23°25'56	minimum elong	-12516 Dec 03 j 06:02	16°♊52'25	1°25'53
	-12516 Jan 27 j 20:14	0°♌			-12516 Dec 09 j 11:02	0°♊	
retrograde	-12516 Feb 01 j 21:57	0°♌58'04		evening rise	-12516 Dec 10 j 11:40	2°♊08'51	
evening set	-12516 Feb 05 j 17:07	0°♌26'30		asc. node	-12516 Dec 14 j 16:31	10°♊39'14	
	-12516 Feb 07 j 02:36	30°♌			-12516 Dec 26 j 11:49	0°♌	
min. Earth dist.	-12516 Feb 13 j 02:29	27°♌00'12	0.55936 AU	evening max el	-12516 Dec 31 j 09:46	5°♌26'41	21°52'52
inferior conj	-12516 Feb 14 j 17:27	26°♌01'57	0°06'08	retrograde	-12515 Jan 12 j 14:18	11°♌13'34	
minimum elong	-12516 Feb 14 j 17:41	26°♌01'36	0°05'25	evening set	-12515 Jan 15 j 16:00	10°♌52'35	
transit middle	-12516 Feb 14 j 17:41	26°♌01'36	0°05'25	inferior conj	-12515 Jan 24 j 16:58	6°♌49'00	1°49'24
transit begin	-12516 Feb 14 j 13:54	26°♌07'16		minimum elong	-12515 Jan 24 j 21:23	6°♌42'43	1°47'37
transit end	-12516 Feb 14 j 21:28	25°♌55'56		min. Earth dist.	-12515 Jan 24 j 16:49	6°♌49'13	0.55469 AU
desc. node	-12516 Feb 15 j 03:07	25°♌47'30		desc. node	-12515 Jan 31 j 23:52	3°♌15'42	
morning rise	-12516 Feb 23 j 20:18	21°♌57'22		morning rise	-12515 Feb 03 j 02:52	2°♌42'04	
direct	-12516 Feb 26 j 00:31	21°♌45'29		direct	-12515 Feb 05 j 17:09	2°♌26'51	
morning max el	-12516 Mar 07 j 15:14	26°♌47'57	20°13'50	morning max el	-12515 Feb 17 j 21:52	8°♌19'30	21°34'03
	-12516 Mar 10 j 14:42	0°♌			-12515 Mar 04 j 20:12	0°♌	
morning set	-12516 Mar 25 j 20:50	25°♌54'51		morning set	-12515 Mar 10 j 05:23	10°♌41'47	
asc. node	-12516 Mar 25 j 17:07	25°♌36'00		asc. node	-12515 Mar 12 j 14:13	15°♌37'31	
	-12516 Mar 27 j 20:59	0°♍					
superior conj	-12516 Apr 02 j 18:00	11°♍58'07	1°07'53	superior conj	-12515 Mar 17 j 15:49	26°♌14'05	0°45'32
minimum elong	-12516 Apr 02 j 15:15	11°♍44'17	1°06'43	minimum elong	-12515 Mar 17 j 13:53	26°♌04'04	0°44'25
max. Earth dist.	-12516 Apr 07 j 16:46	21°♍42'50	1.36369 AU		-12515 Mar 19 j 11:36	0°♍	
evening rise	-12516 Apr 11 j 21:54	29°♍38'09		max. Earth dist.	-12515 Mar 21 j 06:44	3°♍39'16	1.34973 AU
	-12516 Apr 12 j 02:39	0°♍		evening rise	-12515 Mar 26 j 00:17	12°♍57'20	
	-12516 Apr 30 j 07:00	0°♍			-12515 Apr 04 j 11:27	0°♍	
desc. node	-12516 May 13 j 01:59	17°♍03'43		desc. node	-12515 Apr 25 j 04:41	0°♍	
evening max el	-12516 May 17 j 16:43	22°♍04'01	25°59'27	evening max el	-12515 Apr 29 j 23:23	5°♍11'51	
retrograde	-12516 May 30 j 03:52	29°♍18'54		retrograde	-12515 Apr 30 j 03:29	5°♍21'57	26°54'18
evening set	-12516 Jun 05 j 10:17	26°♍36'24		evening set	-12515 May 13 j 07:26	12°♍51'59	
min. Earth dist.	-12516 Jun 09 j 14:14	22°♍00'02	0.66284 AU	min. Earth dist.	-12515 May 20 j 00:25	10°♍05'24	
inferior conj	-12516 Jun 10 j 21:05	20°♍21'28	-2°47'16	inferior conj	-12515 May 23 j 21:14	6°♍07'39	0.65244 AU
minimum elong	-12516 Jun 10 j 23:17	20°♍14'29	2°46'56	minimum elong	-12515 May 25 j 18:19	3°♍53'50	-3°10'33
morning rise	-12516 Jun 16 j 12:20	14°♍27'55			-12515 May 25 j 20:01	3°♍48'46	3°10'40
direct	-12516 Jun 19 j 21:17	13°♍22'03			-12515 May 29 j 08:06	30°♍	
asc. node	-12516 Jun 21 j 17:50	13°♍41'01		morning rise	-12515 May 31 j 15:55	28°♍14'56	
morning max el	-12516 Jun 26 j 23:29	17°♍25'15	19°18'00	direct	-12515 Jun 03 j 17:54	27°♍22'03	
	-12516 Jul 06 j 11:45	0°♎		asc. node	-12515 Jun 08 j 14:34	29°♍24'31	
morning set	-12516 Jul 20 j 05:24	21°♎24'50			-12515 Jun 09 j 07:24	0°♎	
	-12516 Jul 25 j 15:59	0°♎		morning max el	-12515 Jun 10 j 09:05	1°♎01'11	18°35'20
max. Earth dist.	-12516 Aug 03 j 13:29	14°♎03'27	1.44460 AU		-12515 Jun 29 j 18:35	0°♎	
				morning set	-12515 Jun 30 j 12:00	1°♎11'13	
superior conj	-12516 Aug 05 j 12:14	17°♎09'00	0°20'10	superior conj	-12515 Jul 15 j 12:22	25°♎22'54	1°02'51
minimum elong	-12516 Aug 05 j 14:41	17°♎18'43	0°20'26	minimum elong	-12515 Jul 15 j 18:44	25°♎48'12	1°02'32
desc. node	-12516 Aug 08 j 22:20	22°♎36'07		max. Earth dist.	-12515 Jul 17 j 06:33	28°♎10'12	1.44520 AU
	-12516 Aug 13 j 12:49	0°♏			-12515 Jul 18 j 10:17	0°♎	
evening rise	-12516 Aug 20 j 16:11	11°♏37'43		desc. node	-12515 Jul 26 j 19:45	13°♎15'33	
	-12516 Aug 31 j 23:58	0°♏		evening rise	-12515 Aug 01 j 00:18	21°♎27'05	
evening max el	-12516 Sep 09 j 09:25	11°♏18'06	18°35'16		-12515 Aug 06 j 10:22	0°♏	
retrograde	-12516 Sep 16 j 01:46	15°♏00'40		evening max el	-12515 Aug 23 j 20:00	24°♏49'01	19°15'04
asc. node	-12516 Sep 17 j 18:34	14°♏44'34		retrograde	-12515 Aug 30 j 20:54	28°♏49'36	
evening set	-12516 Sep 18 j 23:23	14°♏14'02		evening set	-12515 Sep 03 j 02:32	27°♏49'12	
inferior conj	-12516 Sep 25 j 00:35	8°♏35'18	2°09'03	asc. node	-12515 Sep 04 j 15:35	26°♏39'11	
minimum elong	-12516 Sep 24 j 21:40	8°♏43'50	2°08'51	inferior conj	-12515 Sep 08 j 19:49	21°♏57'25	1°17'07
min. Earth dist.	-12516 Sep 26 j 21:21	6°♏24'21	0.64600 AU	minimum elong	-12515 Sep 08 j 18:03	22°♏03'01	1°17'13
morning rise	-12516 Sep 30 j 19:21	2°♏27'17		min. Earth dist.	-12515 Sep 10 j 04:18	20°♏14'57	0.65706 AU
	-12516 Oct 05 j 08:49	30°♏		morning rise	-12515 Sep 14 j 09:11	15°♏40'56	
direct	-12516 Oct 07 j 11:41	29°♏44'16		direct	-12515 Sep 20 j 13:23	13°♏04'50	
	-12516 Oct 09 j 16:33	0°♏		morning max el	-12515 Oct 03 j 03:34	20°♏24'41	26°11'53
morning max el	-12516 Oct 20 j 17:05	7°♏14'22	27°05'20		-12515 Oct 11 j 12:14	0°♏	
desc. node	-12516 Nov 04 j 21:44	26°♏07'34		desc. node	-12515 Oct 22 j 18:29	15°♏48'14	
	-12516 Nov 07 j 12:18	0°♐			-12515 Oct 31 j 14:28	0°♐	
	-12516 Nov 24 j 22:11	0°♐		morning set	-12515 Nov 08 j 02:27	13°♐18'48	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12515 Nov 12 j 05:58	21°♏11'54	1.35730 AU	max. Earth dist.	-12514 Oct 25 j 08:48	2°♏34'58	1.37456 AU
	-12515 Nov 16 j 16:09	0°♐					
superior conj	-12515 Nov 17 j 03:23	0°♐57'07	-1°34'43	superior conj	-12514 Oct 31 j 16:57	14°♏37'53	-1°36'53
minimum elong	-12515 Nov 17 j 04:20	1°♐01'56	1°34'18	minimum elong	-12514 Oct 31 j 16:34	14°♏35'57	1°36'19
evening rise	-12515 Nov 24 j 19:39	16°♐46'48		evening rise	-12514 Nov 08 j 09:53	0°♐	
asc. node	-12515 Dec 01 j 13:55	29°♐59'00		asc. node	-12514 Nov 18 j 11:17	18°♐46'49	
	-12515 Dec 01 j 14:08	0°♑		evening max el	-12514 Nov 26 j 03:43	28°♐48'02	19°24'27
evening max el	-12515 Dec 13 j 13:36	16°♑50'06	20°30'05		-12514 Nov 27 j 12:26	0°♑	
retrograde	-12515 Dec 24 j 05:59	21°♑51'01		retrograde	-12514 Dec 05 j 08:00	3°♑09'05	
evening set	-12515 Dec 26 j 22:30	21°♑33'17		evening set	-12514 Dec 07 j 20:38	2°♑50'47	
inferior conj	-12514 Jan 04 j 15:49	17°♑33'18	3°15'55		-12514 Dec 14 j 01:13	30°♒♐	
minimum elong	-12514 Jan 04 j 21:31	17°♑24'49	3°14'28	inferior conj	-12514 Dec 16 j 02:26	28°♐40'05	4°05'36
min. Earth dist.	-12514 Jan 06 j 06:03	16°♑36'30	0.55856 AU	minimum elong	-12514 Dec 16 j 05:27	28°♐35'03	4°05'20
morning rise	-12514 Jan 13 j 19:02	13°♑09'11		min. Earth dist.	-12514 Dec 18 j 19:39	26°♐52'08	0.56996 AU
direct	-12514 Jan 17 j 09:23	12°♑40'44		morning rise	-12514 Dec 24 j 12:09	23°♐51'55	
desc. node	-12514 Jan 18 j 20:33	12°♑45'36		direct	-12514 Dec 29 j 11:02	22°♐55'44	
morning max el	-12514 Jan 30 j 18:15	19°♑16'03	23°07'34	desc. node	-12513 Jan 05 j 17:10	24°♐55'59	
	-12514 Feb 08 j 13:39	0°♒			-12513 Jan 12 j 10:06	0°♑	
morning set	-12514 Feb 22 j 16:51	25°♒41'09		morning max el	-12513 Jan 12 j 09:15	29°♐57'57	24°43'49
	-12514 Feb 24 j 17:58	0°♓			-12513 Feb 01 j 21:22	0°♒	
asc. node	-12514 Feb 27 j 11:23	5°♓49'16		morning set	-12513 Feb 07 j 05:24	10°♒46'25	
superior conj	-12514 Mar 01 j 20:19	10°♓53'20	0°22'05	superior conj	-12513 Feb 14 j 05:10	25°♒48'20	-0°01'22
minimum elong	-12514 Mar 01 j 19:23	10°♓48'26	0°21'10	minimum elong	-12513 Feb 14 j 05:15	25°♒48'47	0°01'59
max. Earth dist.	-12514 Mar 04 j 06:36	16°♓01'16	1.33923 AU	behind sun begin	-12513 Feb 14 j 00:12	25°♒21'24	
evening rise	-12514 Mar 09 j 15:05	26°♓56'32		behind sun end	-12513 Feb 14 j 10:19	26°♒16'09	
	-12514 Mar 11 j 04:35	0°♔		asc. node	-12513 Feb 14 j 08:37	26°♒07'00	
	-12514 Mar 28 j 19:05	0°♕		max. Earth dist.	-12513 Feb 15 j 14:19	28°♒47'14	1.33219 AU
evening max el	-12514 Apr 12 j 13:56	18°♕25'20	27°23'56		-12513 Feb 16 j 03:52	0°♓	
desc. node	-12514 Apr 16 j 20:43	22°♕08'55		evening rise	-12513 Feb 21 j 14:39	11°♓24'19	
retrograde	-12514 Apr 26 j 05:28	26°♕01'00			-12513 Mar 03 j 11:07	0°♔	
evening set	-12514 May 03 j 03:37	23°♕22'22			-12513 Mar 24 j 20:27	0°♕	
min. Earth dist.	-12514 May 06 j 20:05	19°♕58'05	0.63812 AU	evening max el	-12513 Mar 25 j 22:13	1°♕03'58	27°22'53
inferior conj	-12514 May 09 j 07:51	17°♕16'53	-3°22'38	desc. node	-12513 Apr 03 j 17:54	7°♕27'33	
minimum elong	-12514 May 09 j 08:29	17°♕15'08	3°23'08	retrograde	-12513 Apr 08 j 21:09	8°♕37'56	
morning rise	-12514 May 15 j 14:12	11°♕54'51		evening set	-12513 Apr 15 j 16:38	6°♕20'38	
direct	-12514 May 18 j 10:29	11°♕13'17		min. Earth dist.	-12513 Apr 19 j 10:06	3°♕19'37	0.62044 AU
morning max el	-12514 May 24 j 22:04	14°♕38'40	18°09'54	inferior conj	-12513 Apr 22 j 10:41	0°♕25'24	-3°19'47
asc. node	-12514 May 26 j 11:19	16°♕19'43		minimum elong	-12513 Apr 22 j 09:45	0°♕27'39	3°20'25
	-12514 Jun 04 j 16:49	0°♖			-12513 Apr 22 j 21:14	30°♒♔	
morning set	-12514 Jun 11 j 19:43	12°♖06'41		morning rise	-12513 Apr 29 j 04:29	25°♔21'53	
	-12514 Jun 22 j 10:42	0°♗		direct	-12513 May 01 j 19:57	24°♔50'03	
superior conj	-12514 Jun 24 j 23:48	4°♗10'34	1°33'27	morning max el	-12513 May 08 j 11:59	28°♔12'48	18°02'37
minimum elong	-12514 Jun 25 j 05:12	4°♗32'35	1°33'07		-12513 May 10 j 03:51	0°♕	
max. Earth dist.	-12514 Jun 29 j 21:25	12°♗05'48	1.43884 AU	asc. node	-12513 May 13 j 08:07	4°♕12'04	
evening rise	-12514 Jul 11 j 08:02	0°♘07'33		morning set	-12513 May 25 j 02:07	24°♕07'38	
	-12514 Jul 11 j 06:06	0°♘			-12513 May 28 j 08:59	0°♖	
desc. node	-12514 Jul 13 j 17:16	3°♘49'16		superior conj	-12513 Jun 05 j 12:23	14°♖12'27	1°47'34
	-12514 Jul 31 j 06:44	0°♙		minimum elong	-12513 Jun 05 j 14:03	14°♖19'33	1°47'18
evening max el	-12514 Aug 07 j 01:11	8°♙17'32	20°10'35	max. Earth dist.	-12513 Jun 12 j 07:30	25°♖34'03	1.42653 AU
retrograde	-12514 Aug 14 j 17:40	12°♙45'32			-12513 Jun 15 j 00:56	0°♗	
evening set	-12514 Aug 18 j 09:27	11°♙28'08		evening rise	-12513 Jun 20 j 08:22	8°♗27'19	
asc. node	-12514 Aug 22 j 12:32	7°♙12'00		desc. node	-12513 Jun 30 j 14:47	24°♗13'38	
inferior conj	-12514 Aug 23 j 20:43	5°♙26'28	0°25'07		-12513 Jul 04 j 12:03	0°♘	
minimum elong	-12514 Aug 23 j 20:08	5°♙28'23	0°25'35	evening max el	-12513 Jul 20 j 23:35	21°♘42'06	21°19'36
min. Earth dist.	-12514 Aug 24 j 17:53	4°♙16'00	0.66509 AU	retrograde	-12513 Jul 29 j 13:55	26°♘45'56	
	-12514 Aug 28 j 07:20	30°♘♘		evening set	-12513 Aug 02 j 17:58	25°♘08'46	
morning rise	-12514 Aug 29 j 06:34	29°♘05'33		inferior conj	-12513 Aug 08 j 01:10	19°♘00'08	-0°25'00
direct	-12514 Sep 03 j 20:51	26°♘42'49		minimum elong	-12513 Aug 08 j 01:40	18°♘58'22	0°24'14
	-12514 Sep 11 j 11:25	0°♙		min. Earth dist.	-12513 Aug 08 j 11:42	18°♘23'59	0.67020 AU
morning max el	-12514 Sep 15 j 13:33	3°♙40'13	24°59'41	asc. node	-12513 Aug 09 j 09:24	17°♘10'18	
	-12514 Oct 05 j 19:29	0°♚		morning rise	-12513 Aug 13 j 09:14	12°♘38'52	
desc. node	-12514 Oct 09 j 15:20	5°♚52'12		direct	-12513 Aug 18 j 09:26	10°♘33'05	
morning set	-12514 Oct 21 j 10:58	25°♚31'38		morning max el	-12513 Aug 28 j 23:45	16°♘55'34	23°37'34
	-12514 Oct 23 j 22:53	0°♛			-12513 Sep 08 j 18:39	0°♙	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12513 Sep 26 j 12:16	26° Π 12'28		morning set	-12512 Sep 12 j 03:18	16° Π 19'39	
	-12513 Sep 28 j 20:52	0° Ξ		desc. node	-12512 Sep 12 j 09:18	16° Π 43'46	
morning set	-12513 Oct 02 j 20:16	6° Ξ 33'51		max. Earth dist.	-12512 Sep 18 j 09:00	26° Π 32'59	1.41347 AU
max. Earth dist.	-12513 Oct 07 j 07:26	14° Ξ 12'48	1.39411 AU		-12512 Sep 20 j 10:07	0° Ξ	
superior conj	-12513 Oct 14 j 16:53	27° Ξ 33'57	-1°30'50	superior conj	-12512 Sep 25 j 21:55	9° Ξ 31'05	-1°14'20
minimum elong	-12513 Oct 14 j 14:44	27° Ξ 23'55	1°30'00	minimum elong	-12512 Sep 25 j 18:11	9° Ξ 14'36	1°13'13
	-12513 Oct 16 j 00:04	0° Ω		evening rise	-12512 Oct 06 j 06:16	28° Ξ 22'57	
evening rise	-12513 Oct 23 j 19:42	15° Ω 00'52			-12512 Oct 07 j 03:11	0° Ω	
	-12513 Oct 31 j 21:47	0° Π		asc. node	-12512 Oct 22 j 05:53	24° Ω 01'38	
asc. node	-12513 Nov 05 j 08:37	6° Π 52'02		evening max el	-12512 Oct 22 j 11:12	24° Ω 14'59	18°13'08
evening max el	-12513 Nov 09 j 03:40	11° Π 18'35	18°38'40	retrograde	-12512 Oct 29 j 14:53	27° Ω 52'26	
retrograde	-12513 Nov 17 j 02:48	15° Π 11'33		evening set	-12512 Nov 01 j 02:24	27° Ω 27'06	
evening set	-12513 Nov 19 j 14:06	14° Π 50'31		inferior conj	-12512 Nov 08 j 07:05	22° Ω 35'21	3°59'28
inferior conj	-12513 Nov 27 j 07:18	10° Π 20'37	4°16'56	minimum elong	-12512 Nov 08 j 03:57	22° Ω 42'14	3°59'30
minimum elong	-12513 Nov 27 j 06:35	10° Π 22'00	4°17'11	min. Earth dist.	-12512 Nov 11 j 09:09	19° Ω 53'18	0.60484 AU
min. Earth dist.	-12513 Nov 30 j 11:35	7° Π 55'45	0.58643 AU	morning rise	-12512 Nov 15 j 04:06	17° Ω 05'04	
morning rise	-12513 Dec 04 j 21:10	5° Π 10'04		direct	-12512 Nov 22 j 00:26	14° Ω 57'14	
direct	-12513 Dec 11 j 00:38	3° Π 36'44		morning max el	-12512 Dec 05 j 23:23	22° Ω 19'39	27°07'12
desc. node	-12513 Dec 23 j 13:45	9° Π 30'09		desc. node	-12512 Dec 09 j 10:21	25° Ω 55'27	
morning max el	-12513 Dec 25 j 01:24	10° Π 51'53	26°08'13		-12512 Dec 12 j 20:35	0° Π	
	-12512 Jan 08 j 20:13	0° Ξ			-12512 Dec 31 j 17:02	0° Ξ	
morning set	-12512 Jan 22 j 17:10	25° Ξ 49'45		morning set	-12511 Jan 06 j 02:19	10° Ξ 44'28	
	-12512 Jan 24 j 16:25	0° Π		max. Earth dist.	-12511 Jan 12 j 16:02	24° Ξ 48'06	1.32811 AU
superior conj	-12512 Jan 29 j 16:23	10° Π 50'55	-0°23'55	superior conj	-12511 Jan 13 j 04:16	25° Ξ 54'53	-0°44'53
minimum elong	-12512 Jan 29 j 17:21	10° Π 56'09	0°24'14	minimum elong	-12511 Jan 13 j 05:53	26° Ξ 03'43	0°44'56
max. Earth dist.	-12512 Jan 30 j 02:39	11° Π 46'56	1.32849 AU		-12511 Jan 15 j 01:10	0° Π	
asc. node	-12512 Feb 01 j 05:54	16° Π 25'34		asc. node	-12511 Jan 18 j 03:14	6° Π 40'41	
evening rise	-12512 Feb 05 j 20:05	26° Π 09'52		evening rise	-12511 Jan 20 j 05:13	11° Π 05'22	
	-12512 Feb 07 j 17:10	0° Ξ			-12511 Jan 30 j 00:37	0° Ξ	
	-12512 Feb 25 j 03:34	0° Ξ		evening max el	-12511 Feb 17 j 00:36	24° Ξ 35'13	25°45'04
evening max el	-12512 Mar 07 j 02:13	13° Ξ 08'12	26°49'03		-12511 Feb 24 j 07:20	0° Ξ	
desc. node	-12512 Mar 20 j 14:59	20° Ξ 33'36		retrograde	-12511 Mar 03 j 02:27	1° Ξ 47'54	
retrograde	-12512 Mar 21 j 04:52	20° Ξ 34'29		desc. node	-12511 Mar 07 j 11:59	1° Ξ 01'09	
evening set	-12512 Mar 27 j 12:18	18° Ξ 48'52		evening set	-12511 Mar 08 j 13:09	0° Ξ 36'37	
min. Earth dist.	-12512 Mar 31 j 15:36	15° Ξ 57'35	0.60081 AU		-12511 Mar 09 j 20:10	30° Ξ	
inferior conj	-12512 Apr 03 j 23:14	13° Ξ 10'43	-2°56'52	min. Earth dist.	-12511 Mar 13 j 14:03	27° Ξ 41'22	0.58156 AU
minimum elong	-12512 Apr 03 j 20:36	13° Ξ 16'16	2°57'14	inferior conj	-12511 Mar 16 j 18:00	25° Ξ 23'51	-2°07'55
morning rise	-12512 Apr 11 j 07:25	8° Ξ 26'40		minimum elong	-12511 Mar 16 j 14:34	25° Ξ 30'08	2°07'52
direct	-12512 Apr 13 j 18:25	8° Ξ 03'06		morning rise	-12511 Mar 24 j 19:08	20° Ξ 59'13	
morning max el	-12512 Apr 21 j 00:05	11° Ξ 35'35	18°14'11	direct	-12511 Mar 27 j 01:49	20° Ξ 42'17	
asc. node	-12512 Apr 29 j 04:58	22° Ξ 48'06		morning max el	-12511 Apr 04 j 07:27	24° Ξ 38'16	18°45'11
	-12512 May 03 j 07:05	0° \approx			-12511 Apr 08 j 20:13	0° Ξ	
morning set	-12512 May 07 j 02:29	7° \approx 03'11		asc. node	-12511 Apr 16 j 01:51	11° Ξ 57'32	
				morning set	-12511 Apr 20 j 16:12	20° Ξ 42'01	
superior conj	-12512 May 17 j 03:15	25° \approx 32'58	1°47'19		-12511 Apr 25 j 11:10	0° \approx	
minimum elong	-12512 May 17 j 01:50	25° \approx 26'37	1°46'51	superior conj	-12511 Apr 29 j 15:51	8° \approx 00'32	1°36'48
	-12512 May 19 j 15:22	0° \mathcal{H}		minimum elong	-12511 Apr 29 j 13:00	7° \approx 47'05	1°35'58
max. Earth dist.	-12512 May 24 j 12:16	8° \mathcal{H} 24'56	1.40993 AU	max. Earth dist.	-12511 May 06 j 13:07	20° \approx 36'15	1.39129 AU
evening rise	-12512 May 30 j 00:04	17° \mathcal{H} 32'24		evening rise	-12511 May 10 j 18:35	27° \approx 57'31	
	-12512 Jun 06 j 20:48	0° Υ			-12511 May 11 j 23:28	0° \mathcal{H}	
desc. node	-12512 Jun 16 j 12:18	14° Υ 23'51			-12511 May 31 j 08:32	0° Υ	
	-12512 Jun 28 j 02:58	0° \mathcal{B}		desc. node	-12511 Jun 03 j 09:49	4° Υ 13'32	
evening max el	-12512 Jul 02 j 15:22	5° \mathcal{B} 03'11	22°38'19	evening max el	-12511 Jun 15 j 02:27	18° Υ 22'40	24°00'49
retrograde	-12512 Jul 12 j 08:11	10° \mathcal{B} 48'26		retrograde	-12511 Jun 25 j 23:18	24° Υ 49'21	
evening set	-12512 Jul 17 j 02:06	8° \mathcal{B} 49'54		evening set	-12511 Jul 01 j 07:58	22° Υ 30'05	
inferior conj	-12512 Jul 22 j 07:19	2° \mathcal{B} 36'44	-1°11'45	min. Earth dist.	-12511 Jul 06 j 02:11	16° Υ 52'54	0.67142 AU
minimum elong	-12512 Jul 22 j 08:43	2° \mathcal{B} 31'55	1°10'51	inferior conj	-12511 Jul 06 j 13:24	16° Υ 14'34	-1°53'49
min. Earth dist.	-12512 Jul 22 j 07:15	2° \mathcal{B} 37'00	0.67236 AU	minimum elong	-12511 Jul 06 j 15:24	16° Υ 07'45	1°52'59
	-12512 Jul 24 j 05:35	30° $\mathcal{R}\Upsilon$		morning rise	-12511 Jul 11 j 22:47	10° Υ 03'59	
asc. node	-12512 Jul 26 j 06:12	27° Υ 36'09		asc. node	-12511 Jul 13 j 02:59	9° Υ 18'20	
morning rise	-12512 Jul 27 j 15:13	26° Υ 19'07		direct	-12511 Jul 15 j 22:14	8° Υ 34'00	
direct	-12512 Aug 01 j 02:19	24° Υ 31'27		morning max el	-12511 Jul 24 j 06:51	13° Υ 32'08	20°56'29
	-12512 Aug 10 j 08:02	0° \mathcal{B}			-12511 Aug 05 j 22:46	0° \mathcal{B}	
morning max el	-12512 Aug 10 j 12:39	0° \mathcal{B} 11'49	22°14'09	morning set	-12511 Aug 22 j 12:41	25° \mathcal{B} 05'06	
	-12512 Sep 01 j 15:23	0° Π					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12511 Aug 25 j 15:47	0°♊				-12510 Jul 30 j 08:47	0°♋	
desc. node	-12511 Aug 30 j 06:27	7°♊21'24		morning set		-12510 Aug 01 j 16:27	3°♋36'50	
max. Earth dist.	-12511 Aug 31 j 16:43	9°♊39'59	1.42985 AU	max. Earth dist.		-12510 Aug 14 j 05:46	23°♋22'36	1.44106 AU
				desc. node		-12510 Aug 17 j 03:43	28°♋02'19	
superior conj	-12511 Sep 07 j 02:12	20°♊13'17	-0°45'41					
minimum elong	-12511 Sep 06 j 22:27	19°♊57'33	0°44'30	superior conj		-12510 Aug 18 j 02:52	29°♋35'29	-0°05'46
	-12511 Sep 12 j 19:47	0°♋		minimum elong		-12510 Aug 18 j 02:18	29°♋33'10	0°05'01
evening rise	-12511 Sep 19 j 02:38	11°♋01'47		behind sun begin		-12510 Aug 17 j 15:55	28°♋51'22	
	-12511 Sep 30 j 05:21	0°♌		behind sun end		-12510 Aug 18 j 12:41	0°♊15'02	
evening max el	-12511 Oct 05 j 23:18	7°♌28'26	18°07'13			-12510 Aug 18 j 08:57	0°♊	
asc. node	-12511 Oct 09 j 03:06	9°♌59'25		evening rise		-12510 Sep 01 j 03:40	22°♊45'07	
retrograde	-12511 Oct 12 j 16:39	11°♌01'03				-12510 Sep 05 j 10:50	0°♋	
evening set	-12511 Oct 15 j 06:14	10°♌29'38		evening max el		-12510 Sep 19 j 13:03	20°♋52'50	18°19'55
inferior conj	-12511 Oct 21 j 23:12	5°♌17'21	3°23'47	retrograde		-12510 Sep 26 j 03:51	24°♋29'34	
minimum elong	-12511 Oct 21 j 19:21	5°♌26'59	3°23'33	asc. node		-12510 Sep 26 j 00:15	24°♋29'27	
min. Earth dist.	-12511 Oct 24 j 15:40	2°♌36'50	0.62260 AU	evening set		-12510 Sep 28 j 21:46	23°♋49'29	
	-12511 Oct 27 j 15:02	30°♌		inferior conj		-12510 Oct 05 j 04:18	18°♋19'35	2°37'55
morning rise	-12511 Oct 28 j 07:23	29°♋29'41		minimum elong		-12510 Oct 05 j 00:51	18°♋29'10	2°37'38
direct	-12511 Nov 04 j 08:41	26°♋57'59		min. Earth dist.		-12510 Oct 07 j 08:27	15°♋54'47	0.63825 AU
	-12511 Nov 12 j 18:30	0°♍		morning rise		-12510 Oct 11 j 03:08	12°♋17'42	
morning max el	-12511 Nov 18 j 03:46	4°♍26'53	27°33'00	direct		-12510 Oct 18 j 00:28	9°♋35'09	
desc. node	-12511 Nov 26 j 06:56	13°♍40'39		morning max el		-12510 Oct 31 j 12:28	17°♋07'36	27°24'23
	-12511 Dec 07 j 10:39	0°♎				-12510 Nov 11 j 10:09	0°♍	
morning set	-12511 Dec 21 j 06:44	25°♎22'38		desc. node		-12510 Nov 13 j 03:34	2°♍22'54	
	-12511 Dec 23 j 12:34	0°♏				-12510 Nov 30 j 03:24	0°♎	
max. Earth dist.	-12511 Dec 27 j 02:41	7°♏37'00	1.33111 AU	morning set		-12510 Dec 05 j 03:49	9°♎35'19	
				max. Earth dist.		-12510 Dec 10 j 06:45	20°♎01'07	1.33791 AU
superior conj	-12511 Dec 28 j 15:08	10°♏53'51	-1°03'32					
minimum elong	-12511 Dec 28 j 17:07	11°♏04'33	1°03'23	superior conj		-12510 Dec 12 j 23:12	25°♎41'19	-1°19'04
evening rise	-12510 Jan 04 j 16:11	26°♏03'39		minimum elong		-12510 Dec 13 j 01:09	25°♎51'44	1°18'48
asc. node	-12510 Jan 05 j 00:36	26°♏47'47				-12510 Dec 14 j 23:36	0°♏	
	-12510 Jan 06 j 13:45	0°♐		evening rise		-12510 Dec 20 j 03:18	10°♏58'33	
	-12510 Jan 24 j 15:34	0°♑		asc. node		-12510 Dec 22 j 22:01	16°♏41'35	
evening max el	-12510 Jan 29 j 18:29	5°♑34'11	24°19'41			-12510 Dec 30 j 01:43	0°♐	
retrograde	-12510 Feb 12 j 12:28	12°♑24'06		evening max el		-12509 Jan 11 j 12:12	16°♐26'03	22°45'42
evening set	-12510 Feb 16 j 21:38	11°♑41'04		retrograde		-12509 Jan 24 j 10:38	22°♐39'29	
desc. node	-12510 Feb 22 j 08:54	9°♑04'36		evening set		-12509 Jan 27 j 21:00	22°♐13'41	
min. Earth dist.	-12510 Feb 23 j 07:53	8°♑29'32	0.56569 AU	min. Earth dist.		-12509 Feb 04 j 23:26	18°♐33'23	0.55626 AU
inferior conj	-12510 Feb 25 j 17:01	6°♑59'01	-0°49'50	inferior conj		-12509 Feb 05 j 22:46	17°♐59'29	0°50'13
minimum elong	-12510 Feb 25 j 15:07	7°♑02'02	0°49'58	minimum elong		-12509 Feb 06 j 00:52	17°♐56'26	0°48'58
morning rise	-12510 Mar 06 j 11:35	2°♑50'12		desc. node		-12509 Feb 09 j 05:42	16°♐09'05	
direct	-12510 Mar 08 j 15:14	2°♑37'33		morning rise		-12509 Feb 15 j 06:07	13°♐55'56	
morning max el	-12510 Mar 18 j 07:11	7°♑11'58	19°35'57	direct		-12509 Feb 17 j 12:40	13°♐43'38	
	-12510 Apr 02 j 03:56	0°♒		morning max el		-12509 Feb 28 j 20:34	19°♐07'46	20°45'59
asc. node	-12510 Apr 02 j 22:50	1°♒32'26				-12509 Mar 09 j 09:07	0°♑	
morning set	-12510 Apr 04 j 15:33	4°♒54'20		morning set		-12509 Mar 19 j 21:26	19°♑30'44	
				asc. node		-12509 Mar 20 j 19:53	21°♑25'49	
superior conj	-12510 Apr 12 j 20:50	21°♒20'45	1°19'40			-12509 Mar 24 j 23:20	0°♒	
minimum elong	-12510 Apr 12 j 17:48	21°♒05'54	1°18'34					
	-12510 Apr 17 j 08:28	0°♓		superior conj		-12509 Mar 27 j 13:33	5°♒19'36	0°58'39
max. Earth dist.	-12510 Apr 18 j 14:28	2°♓20'53	1.37307 AU	minimum elong		-12509 Mar 27 j 11:06	5°♒07'09	0°57'28
evening rise	-12510 Apr 22 j 15:11	9°♓42'48		max. Earth dist.		-12509 Mar 31 j 22:24	14°♒05'01	1.35728 AU
	-12510 May 04 j 17:15	0°♈		evening rise		-12509 Apr 05 j 08:19	22°♒32'41	
desc. node	-12510 May 21 j 07:21	23°♈34'24				-12509 Apr 09 j 10:23	0°♓	
	-12510 May 26 j 19:51	0°♉				-12509 Apr 28 j 09:57	0°♈	
evening max el	-12510 May 28 j 11:57	1°♉43'39	25°19'21	desc. node		-12509 May 08 j 04:50	12°♈13'47	
retrograde	-12510 Jun 09 j 10:36	8°♉44'50		evening max el		-12509 May 10 j 22:03	15°♈04'17	26°25'23
evening set	-12510 Jun 15 j 09:36	6°♉08'37		retrograde		-12509 May 23 j 17:21	22°♈27'54	
min. Earth dist.	-12510 Jun 19 j 18:15	1°♉09'51	0.66704 AU	evening set		-12509 May 30 j 04:41	19°♈42'12	
inferior conj	-12510 Jun 20 j 17:40	29°♈52'43	-2°29'51	min. Earth dist.		-12509 Jun 03 j 05:16	15°♈22'33	0.65888 AU
minimum elong	-12510 Jun 20 j 19:54	29°♈45'20	2°29'17	inferior conj		-12509 Jun 04 j 18:06	13°♈28'07	-2°58'21
	-12510 Jun 20 j 15:28	30°♈		minimum elong		-12509 Jun 04 j 20:09	13°♈21'45	2°58'13
morning rise	-12510 Jun 26 j 06:15	23°♈52'16		morning rise		-12509 Jun 10 j 11:47	7°♈40'30	
direct	-12510 Jun 29 j 19:53	22°♈38'19		direct		-12509 Jun 13 j 17:28	6°♈40'34	
asc. node	-12510 Jun 29 j 23:43	22°♈38'28		asc. node		-12509 Jun 16 j 20:27	7°♈33'05	
morning max el	-12510 Jul 07 j 07:36	26°♈59'32	19°49'52	morning max el		-12509 Jun 20 j 14:20	10°♈32'44	18°57'46
	-12510 Jul 09 j 23:24	0°♉				-12509 Jul 04 j 09:50	0°♉	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12509 Jul 12 j 09:42	12° Υ 46'01		asc. node	-12508 Jun 02 j 17:12	23° \approx 48'52	
	-12509 Jul 23 j 05:34	0° B		morning max el	-12508 Jun 03 j 01:33	24° \approx 09'30	18°22'13
					-12508 Jun 07 j 19:18	0° H	
superior conj	-12509 Jul 28 j 06:41	7° B 59'16	0°39'10	morning set	-12508 Jun 22 j 03:00	23° H 01'32	
minimum elong	-12509 Jul 28 j 11:15	8° B 17'20	0°39'07		-12508 Jun 26 j 07:54	0° Υ	
max. Earth dist.	-12509 Jul 27 j 21:36	7° B 23'19	1.44570 AU				
desc. node	-12509 Aug 04 j 01:06	18° B 43'17		superior conj	-12508 Jul 06 j 09:03	16° Υ 20'12	1°17'47
	-12509 Aug 11 j 02:23	0° II		minimum elong	-12508 Jul 06 j 15:37	16° Υ 46'28	1°17'24
evening rise	-12509 Aug 13 j 03:39	3° II 18'11		max. Earth dist.	-12508 Jul 09 j 13:45	21° Υ 26'13	1.44333 AU
	-12509 Aug 30 j 09:06	0° E			-12508 Jul 14 j 23:40	0° B	
evening max el	-12509 Sep 03 j 01:35	4° E 23'00	18°50'15	desc. node	-12508 Jul 20 j 22:35	9° B 20'49	
retrograde	-12509 Sep 09 j 20:53	8° E 12'17		evening rise	-12508 Jul 23 j 00:12	12° B 34'50	
evening set	-12509 Sep 12 j 21:32	7° E 20'23		greatest brilliancy	-12508 Aug 03 j 01:19	29° B 42'14	-0.7m
asc. node	-12509 Sep 12 j 21:18	7° E 20'43			-12508 Aug 03 j 05:59	0° II	
inferior conj	-12509 Sep 18 j 19:10	1° E 35'56	1°47'11	evening max el	-12508 Aug 16 j 10:12	17° II 53'43	19°36'59
minimum elong	-12509 Sep 18 j 16:43	1° E 43'22	1°47'06	retrograde	-12508 Aug 23 j 16:50	22° II 04'31	
	-12509 Sep 20 j 02:46	30° K II		evening set	-12508 Aug 27 j 02:34	20° II 57'16	
min. Earth dist.	-12509 Sep 20 j 10:43	29° II 36'10	0.65106 AU	asc. node	-12508 Aug 29 j 18:17	18° II 36'33	
morning rise	-12509 Sep 24 j 11:22	25° II 23'41		inferior conj	-12508 Sep 01 j 17:04	15° II 01'13	0°54'56
direct	-12509 Sep 30 j 22:58	22° II 42'15		minimum elong	-12508 Sep 01 j 15:48	15° II 05'17	0°55'12
	-12509 Oct 13 j 18:36	0° E		min. Earth dist.	-12508 Sep 02 j 20:42	13° II 31'54	0.66087 AU
morning max el	-12509 Oct 13 j 22:43	0° E 10'08	26°45'23	morning rise	-12508 Sep 07 j 04:44	8° II 42'32	
desc. node	-12509 Oct 31 j 00:15	21° E 46'01		direct	-12508 Sep 13 j 03:16	6° II 11'15	
	-12509 Nov 05 j 08:14	0° Ω		morning max el	-12508 Sep 25 j 08:44	13° II 22'45	25°42'54
morning set	-12509 Nov 18 j 14:15	23° Ω 12'01			-12508 Oct 08 j 22:56	0° E	
	-12509 Nov 22 j 02:12	0° M		desc. node	-12508 Oct 16 j 21:01	11° E 37'36	
max. Earth dist.	-12509 Nov 23 j 01:04	1° M 53'58	1.34893 AU		-12508 Oct 28 j 01:11	0° Ω	
				morning set	-12508 Oct 31 j 09:36	5° Ω 58'56	
superior conj	-12509 Nov 27 j 02:20	10° M 10'26	-1°30'30	max. Earth dist.	-12508 Nov 04 j 08:49	13° Ω 21'50	1.36424 AU
minimum elong	-12509 Nov 27 j 03:48	10° M 18'03	1°30'09				
evening rise	-12509 Dec 04 j 12:57	25° M 44'40		superior conj	-12508 Nov 09 j 21:48	24° Ω 11'40	-1°36'33
	-12509 Dec 06 j 14:50	0° $\underline{\text{A}}$		minimum elong	-12508 Nov 09 j 22:14	24° Ω 13'52	1°36'03
asc. node	-12509 Dec 09 j 19:26	6° $\underline{\text{A}}$ 16'11			-12508 Nov 12 j 18:43	0° M	
evening max el	-12509 Dec 24 j 11:18	27° $\underline{\text{A}}$ 34'24	21°16'01	evening rise	-12508 Nov 17 j 19:14	10° M 15'25	
	-12509 Dec 27 j 10:24	0° M		asc. node	-12508 Nov 25 j 16:49	25° M 23'24	
retrograde	-12508 Jan 05 j 01:15	3° M 01'19			-12508 Nov 28 j 11:54	0° $\underline{\text{A}}$	
evening set	-12508 Jan 07 j 21:55	2° M 42'33		evening max el	-12508 Dec 05 j 19:27	9° $\underline{\text{A}}$ 12'18	19°59'52
	-12508 Jan 14 j 13:55	30° K $\underline{\text{A}}$		retrograde	-12508 Dec 15 j 19:34	13° $\underline{\text{A}}$ 54'29	
inferior conj	-12508 Jan 16 j 20:27	28° $\underline{\text{A}}$ 42'59	2°29'41	evening set	-12508 Dec 18 j 10:16	13° $\underline{\text{A}}$ 36'43	
minimum elong	-12508 Jan 17 j 01:57	28° $\underline{\text{A}}$ 35'06	2°27'51	inferior conj	-12508 Dec 26 j 22:58	9° $\underline{\text{A}}$ 33'50	3°41'57
min. Earth dist.	-12508 Jan 17 j 13:38	28° $\underline{\text{A}}$ 18'19	0.55525 AU	minimum elong	-12508 Dec 27 j 03:53	9° $\underline{\text{A}}$ 26'13	3°41'01
morning rise	-12508 Jan 26 j 05:09	24° $\underline{\text{A}}$ 29'48		min. Earth dist.	-12508 Dec 29 j 02:39	8° $\underline{\text{A}}$ 14'06	0.56265 AU
desc. node	-12508 Jan 27 j 02:24	24° $\underline{\text{A}}$ 20'02		morning rise	-12507 Jan 04 j 19:38	4° $\underline{\text{A}}$ 59'59	
direct	-12508 Jan 29 j 03:57	24° $\underline{\text{A}}$ 10'28		direct	-12507 Jan 08 j 23:51	4° $\underline{\text{A}}$ 21'17	
	-12508 Feb 10 j 12:27	0° M		desc. node	-12507 Jan 12 j 23:02	4° $\underline{\text{A}}$ 57'13	
morning max el	-12508 Feb 10 j 22:33	0° M 23'42	22°12'36	morning max el	-12507 Jan 22 j 15:37	11° $\underline{\text{A}}$ 09'44	23°48'56
	-12508 Mar 01 j 03:59	0° A			-12507 Feb 05 j 16:35	0° M	
morning set	-12508 Mar 03 j 07:29	4° A 24'02		morning set	-12507 Feb 15 j 19:38	19° M 26'30	
asc. node	-12508 Mar 06 j 17:01	11° A 32'32			-12507 Feb 20 j 18:20	0° A	
				asc. node	-12507 Feb 21 j 14:14	1° A 47'11	
superior conj	-12508 Mar 10 j 14:33	19° A 46'53	0°35'40				
minimum elong	-12508 Mar 10 j 13:02	19° A 38'57	0°34'38	superior conj	-12507 Feb 22 j 21:08	4° A 33'17	0°12'05
max. Earth dist.	-12508 Mar 13 j 16:35	26° A 11'38	1.34486 AU	minimum elong	-12507 Feb 22 j 20:39	4° A 30'40	0°11'19
	-12508 Mar 15 j 13:30	0° B		behind sun begin	-12507 Feb 22 j 17:01	4° A 11'09	
evening rise	-12508 Mar 18 j 16:34	6° B 11'14		behind sun end	-12507 Feb 23 j 00:17	4° A 50'11	
	-12508 Apr 01 j 02:29	0° \approx		max. Earth dist.	-12507 Feb 24 j 20:20	8° A 45'16	1.33587 AU
evening max el	-12508 Apr 22 j 09:01	28° \approx 18'01	27°10'23	evening rise	-12507 Mar 02 j 11:30	20° A 23'49	
desc. node	-12508 Apr 24 j 02:12	29° \approx 54'50			-12507 Mar 07 j 10:39	0° B	
	-12508 Apr 24 j 04:30	0° H			-12507 Mar 26 j 03:56	0° \approx	
retrograde	-12508 May 05 j 18:45	5° H 51'31		evening max el	-12507 Apr 04 j 19:05	11° \approx 13'07	27°27'30
evening set	-12508 May 12 j 14:33	3° H 07'00		desc. node	-12507 Apr 10 j 23:27	16° \approx 14'06	
	-12508 May 15 j 20:08	30° K \approx		retrograde	-12507 Apr 18 j 14:00	18° \approx 47'50	
min. Earth dist.	-12508 May 16 j 09:09	29° \approx 24'02	0.64682 AU	evening set	-12507 Apr 25 j 12:06	16° \approx 17'01	
inferior conj	-12508 May 18 j 12:24	26° \approx 57'25	-3°17'15	min. Earth dist.	-12507 Apr 29 j 04:19	13° \approx 04'00	0.63100 AU
minimum elong	-12508 May 18 j 13:44	26° \approx 53'37	3°17'34	inferior conj	-12507 May 01 j 21:49	10° \approx 15'29	-3°23'33
morning rise	-12508 May 24 j 13:24	21° \approx 25'08		minimum elong	-12507 May 01 j 21:51	10° \approx 15'24	3°24'09
direct	-12508 May 27 j 12:47	20° \approx 37'15		morning rise	-12507 May 08 j 08:40	5° \approx 00'54	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12507 May 11 j 02:56	4°≈23'29			-12506 Apr 06 j 00:07	30°≈30'	
morning max el	-12507 May 17 j 15:12	7°≈46'09	18°04'29	evening set	-12506 Apr 07 j 18:01	29°≈30'13	
asc. node	-12507 May 20 j 13:59	11°≈10'10		min. Earth dist.	-12506 Apr 11 j 14:19	26°≈30'8'27	0.61222 AU
	-12507 Jun 01 j 07:48	0°≈		inferior conj	-12506 Apr 14 j 18:59	23°≈31'4'39	-3°12'54
morning set	-12507 Jun 03 j 20:58	4°≈26'44		minimum elong	-12506 Apr 14 j 17:18	23°≈31'8'30	3°13'28
				morning rise	-12506 Apr 21 j 18:33	18°≈31'9'33	
superior conj	-12507 Jun 16 j 06:19	25°≈36'52	1°41'25	direct	-12506 Apr 24 j 08:13	17°≈31'51'20	
minimum elong	-12507 Jun 16 j 10:14	25°≈53'04	1°41'09	morning max el	-12506 May 01 j 04:41	21°≈31'6'13	18°05'17
	-12507 Jun 18 j 22:07	0°≈		asc. node	-12506 May 07 j 10:48	29°≈32'22'14	
max. Earth dist.	-12507 Jun 22 j 03:27	5°≈14'31	1.43431 AU		-12506 May 07 j 20:25	0°≈	
evening rise	-12507 Jul 02 j 02:03	20°≈59'21		morning set	-12506 May 17 j 11:35	16°≈52'11	
desc. node	-12507 Jul 07 j 20:05	29°≈51'25			-12506 May 24 j 17:43	0°≈	
	-12507 Jul 07 j 22:20	0°≈					
	-12507 Jul 29 j 06:10	0°≈		superior conj	-12506 May 28 j 06:29	6°≈13'14	1°48'59
evening max el	-12507 Jul 30 j 12:42	1°≈21'21	20°38'29	minimum elong	-12506 May 28 j 06:39	6°≈13'58	1°48'40
retrograde	-12507 Aug 07 j 13:32	6°≈03'10		max. Earth dist.	-12506 Jun 04 j 11:41	18°≈29'28	1.41985 AU
evening set	-12507 Aug 11 j 10:25	4°≈37'27		evening rise	-12506 Jun 11 j 06:31	29°≈31'05	
	-12507 Aug 15 j 17:33	30°≈			-12506 Jun 11 j 13:47	0°≈	
inferior conj	-12507 Aug 16 j 19:42	28°≈32'31	0°03'32	desc. node	-12506 Jun 24 j 17:38	20°≈10'33	
minimum elong	-12507 Aug 16 j 19:36	28°≈32'50	0°04'08		-12506 Jul 01 j 13:23	0°≈	
transit middle	-12507 Aug 16 j 19:36	28°≈32'50	0°04'08	evening max el	-12506 Jul 13 j 08:02	14°≈43'40	21°52'07
transit begin	-12507 Aug 16 j 16:58	28°≈41'46		retrograde	-12506 Jul 22 j 09:10	20°≈04'54	
transit end	-12507 Aug 16 j 22:15	28°≈23'53		evening set	-12506 Jul 26 j 19:01	18°≈18'29	
asc. node	-12507 Aug 16 j 15:10	28°≈47'48		inferior conj	-12506 Aug 01 j 01:05	12°≈07'24	-0°45'21
min. Earth dist.	-12507 Aug 17 j 12:14	27°≈36'39	0.66766 AU	minimum elong	-12506 Aug 01 j 02:00	12°≈04'14	0°44'30
morning rise	-12507 Aug 22 j 04:37	22°≈11'16		min. Earth dist.	-12506 Aug 01 j 07:02	11°≈46'51	0.67149 AU
direct	-12507 Aug 27 j 12:54	19°≈55'36		asc. node	-12506 Aug 03 j 12:01	8°≈50'05	
morning max el	-12507 Sep 07 j 18:36	26°≈38'39	24°25'28	morning rise	-12506 Aug 06 j 08:54	5°≈47'19	
	-12507 Sep 10 j 21:19	0°≈		direct	-12506 Aug 11 j 03:15	3°≈49'30	
	-12507 Oct 02 j 13:59	0°≈		morning max el	-12506 Aug 21 j 05:47	9°≈54'33	23°01'47
desc. node	-12507 Oct 03 j 17:54	1°≈49'29			-12506 Sep 05 j 23:07	0°≈	
morning set	-12507 Oct 13 j 08:46	17°≈42'46		desc. node	-12506 Sep 20 j 14:53	22°≈14'54	
max. Earth dist.	-12507 Oct 17 j 09:24	24°≈49'05	1.38281 AU	morning set	-12506 Sep 24 j 06:58	28°≈12'07	
	-12507 Oct 20 j 05:33	0°≈			-12506 Sep 25 j 09:05	0°≈	
				max. Earth dist.	-12506 Sep 29 j 08:49	6°≈43'27	1.40256 AU
superior conj	-12507 Oct 24 j 06:06	7°≈34'56	-1°35'28				
minimum elong	-12507 Oct 24 j 04:59	7°≈29'36	1°34'48	superior conj	-12506 Oct 06 j 22:37	20°≈07'06	-1°25'13
evening rise	-12507 Nov 01 j 20:06	24°≈25'14		minimum elong	-12506 Oct 06 j 19:43	19°≈53'51	1°24'17
	-12507 Nov 04 j 16:37	0°≈			-12506 Oct 12 j 06:17	0°≈	
asc. node	-12507 Nov 12 j 14:08	13°≈54'12		evening rise	-12506 Oct 16 j 12:50	8°≈06'53	
evening max el	-12507 Nov 18 j 13:50	21°≈23'59	19°02'22		-12506 Oct 29 j 05:12	0°≈	
retrograde	-12507 Nov 27 j 04:30	25°≈31'41		asc. node	-12506 Oct 30 j 11:24	1°≈37'18	
evening set	-12507 Nov 29 j 16:26	25°≈12'19		evening max el	-12506 Nov 01 j 17:14	4°≈05'51	18°25'18
inferior conj	-12507 Dec 07 j 16:51	20°≈53'37	4°14'40	retrograde	-12506 Nov 09 j 07:10	7°≈51'15	
minimum elong	-12507 Dec 07 j 18:13	20°≈51'11	4°14'44	evening set	-12506 Nov 11 j 18:11	7°≈28'42	
min. Earth dist.	-12507 Dec 10 j 16:28	18°≈48'07	0.57660 AU	inferior conj	-12506 Nov 19 j 05:59	2°≈49'26	4°12'24
morning rise	-12507 Dec 15 j 18:02	15°≈55'47		minimum elong	-12506 Nov 19 j 04:01	2°≈53'26	4°12'36
direct	-12507 Dec 21 j 06:08	14°≈44'33		min. Earth dist.	-12506 Nov 22 j 10:31	0°≈14'39	0.59416 AU
desc. node	-12507 Dec 30 j 19:38	18°≈11'54			-12506 Nov 22 j 18:07	30°≈	
morning max el	-12506 Jan 04 j 06:16	21°≈52'37	25°22'10	morning rise	-12506 Nov 26 j 12:07	27°≈29'48	
	-12506 Jan 11 j 09:37	0°≈		direct	-12506 Dec 03 j 00:03	25°≈40'59	
	-12506 Jan 29 j 03:35	0°≈			-12506 Dec 13 j 13:30	0°≈	
morning set	-12506 Jan 31 j 08:02	4°≈31'22		morning max el	-12506 Dec 17 j 00:50	3°≈00'04	26°37'09
				desc. node	-12506 Dec 17 j 16:13	3°≈37'29	
superior conj	-12506 Feb 07 j 07:10	19°≈31'36	-0°11'06		-12505 Jan 05 j 15:39	0°≈	
minimum elong	-12506 Feb 07 j 07:39	19°≈34'11	0°11'35	morning set	-12505 Jan 15 j 18:57	19°≈32'16	
behind sun begin	-12506 Feb 07 j 04:12	19°≈15'28			-12505 Jan 20 j 16:21	0°≈	
behind sun end	-12506 Feb 07 j 11:05	19°≈52'54					
asc. node	-12506 Feb 08 j 11:29	22°≈05'17		superior conj	-12505 Jan 22 j 18:53	4°≈35'46	-0°33'03
max. Earth dist.	-12506 Feb 08 j 06:34	21°≈38'38	1.33023 AU	minimum elong	-12505 Jan 22 j 20:09	4°≈42'42	0°33'15
	-12506 Feb 12 j 04:11	0°≈		max. Earth dist.	-12505 Jan 22 j 19:46	4°≈40'33	1.32785 AU
evening rise	-12506 Feb 14 j 13:49	4°≈59'30		asc. node	-12505 Jan 26 j 08:46	12°≈22'55	
	-12506 Feb 28 j 03:45	0°≈		evening rise	-12505 Jan 29 j 21:04	19°≈50'09	
evening max el	-12506 Mar 18 j 01:40	23°≈37'08	27°12'26		-12505 Feb 03 j 22:49	0°≈	
	-12506 Mar 26 j 23:15	0°≈			-12505 Feb 23 j 02:38	0°≈	
desc. node	-12506 Mar 28 j 20:36	0°≈40'22		evening max el	-12505 Feb 28 j 03:05	5°≈24'38	26°25'06
retrograde	-12506 Apr 01 j 02:13	1°≈08'11		retrograde	-12505 Mar 14 j 06:12	12°≈46'57	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12505 Mar 15 j 17:39	12° ♁ 41'22		desc. node	-12504 Mar 01 j 14:37	22° ♁ 02'04	
evening set	-12505 Mar 20 j 05:47	11° ♁ 15'52		min. Earth dist.	-12504 Mar 05 j 12:59	19° ♁ 43'53	0.57415 AU
min. Earth dist.	-12505 Mar 24 j 16:28	8° ♁ 24'38	0.59234 AU	inferior conj	-12504 Mar 08 j 10:48	17° ♁ 44'39	-1°38'17
inferior conj	-12505 Mar 28 j 00:21	5° ♁ 47'17	-2°39'38	minimum elong	-12504 Mar 08 j 07:40	17° ♁ 50'02	1°38'11
minimum elong	-12505 Mar 27 j 21:11	5° ♁ 53'34	2°39'48	morning rise	-12504 Mar 16 j 19:29	13° ♁ 27'19	
morning rise	-12505 Apr 04 j 15:33	1° ♁ 12'04		direct	-12504 Mar 19 j 00:20	13° ♁ 12'40	
direct	-12505 Apr 07 j 00:36	0° ♁ 51'39		morning max el	-12504 Mar 27 j 19:46	17° ♁ 23'48	19°04'21
morning max el	-12505 Apr 14 j 15:16	4° ♁ 32'19	18°25'04		-12504 Apr 06 j 00:41	0° ♁	
asc. node	-12505 Apr 24 j 07:41	18° ♁ 13'47		asc. node	-12504 Apr 10 j 04:36	7° ♁ 34'41	
morning set	-12505 Apr 30 j 18:11	0° ♁ 07'30		morning set	-12504 Apr 13 j 12:24	14° ♁ 01'16	
	-12505 Apr 30 j 16:36	0° ♁			-12504 Apr 21 j 15:54	0° ♁	
superior conj	-12505 May 10 j 07:22	18° ♁ 04'42	1°43'53	superior conj	-12504 Apr 22 j 03:32	0° ♁ 55'54	1°30'09
minimum elong	-12505 May 10 j 05:09	17° ♁ 54'33	1°43'15	minimum elong	-12504 Apr 22 j 00:29	0° ♁ 41'15	1°29'12
	-12505 May 16 j 23:48	0° ♁		max. Earth dist.	-12504 Apr 28 j 13:55	12° ♁ 56'38	1.38334 AU
max. Earth dist.	-12505 May 17 j 14:00	1° ♁ 01'23	1.40204 AU	evening rise	-12504 May 02 j 15:18	20° ♁ 09'05	
evening rise	-12505 May 22 j 09:08	9° ♁ 08'30			-12504 May 08 j 10:58	0° ♁	
	-12505 Jun 04 j 14:33	0° ♁		desc. node	-12504 May 28 j 12:42	29° ♁ 51'38	
desc. node	-12505 Jun 11 j 15:10	10° ♁ 13'04			-12504 May 28 j 15:15	0° ♁	
evening max el	-12505 Jun 25 j 21:22	28° ♁ 03'14	23°13'17	evening max el	-12504 Jun 07 j 07:31	11° ♁ 23'31	24°35'18
	-12505 Jun 27 j 22:32	0° ♁		retrograde	-12504 Jun 18 j 16:02	18° ♁ 06'16	
retrograde	-12505 Jul 06 j 02:23	4° ♁ 07'13		evening set	-12504 Jun 24 j 06:48	15° ♁ 39'25	
evening set	-12505 Jul 11 j 02:27	1° ♁ 59'40		min. Earth dist.	-12504 Jun 28 j 20:52	10° ♁ 18'02	0.66995 AU
	-12505 Jul 13 j 01:26	30° ♁		inferior conj	-12504 Jun 29 j 13:03	9° ♁ 23'29	-2°09'57
inferior conj	-12505 Jul 16 j 07:28	25° ♁ 44'57	-1°30'16	minimum elong	-12504 Jun 29 j 15:11	9° ♁ 16'15	2°09'11
minimum elong	-12505 Jul 16 j 09:09	25° ♁ 39'08	1°29'22	morning rise	-12504 Jul 04 j 23:32	3° ♁ 16'35	
min. Earth dist.	-12505 Jul 16 j 02:43	26° ♁ 01'19	0.67235 AU	asc. node	-12504 Jul 07 j 05:38	2° ♁ 06'56	
asc. node	-12505 Jul 21 j 08:51	19° ♁ 43'55		direct	-12504 Jul 08 j 18:36	1° ♁ 53'29	
morning rise	-12505 Jul 21 j 15:47	19° ♁ 29'43		morning max el	-12504 Jul 16 j 17:38	6° ♁ 35'19	20°26'31
direct	-12505 Jul 25 j 21:36	17° ♁ 49'49			-12504 Aug 02 j 21:30	0° ♁	
morning max el	-12505 Aug 03 j 20:46	23° ♁ 12'25	21°39'57	morning set	-12504 Aug 13 j 08:11	16° ♁ 01'40	
	-12505 Aug 09 j 15:37	0° ♁			-12504 Aug 22 j 05:03	0° ♁	
	-12505 Aug 30 j 08:47	0° ♁		max. Earth dist.	-12504 Aug 23 j 22:19	2° ♁ 45'22	1.43535 AU
morning set	-12505 Sep 04 j 03:34	7° ♁ 28'34		desc. node	-12504 Aug 24 j 09:10	3° ♁ 28'59	
desc. node	-12505 Sep 07 j 11:57	12° ♁ 49'17		superior conj	-12504 Aug 29 j 10:27	11° ♁ 42'40	-0°29'56
max. Earth dist.	-12505 Sep 11 j 12:23	19° ♁ 22'03	1.42092 AU	minimum elong	-12504 Aug 29 j 07:38	11° ♁ 31'01	0°28'51
	-12505 Sep 17 j 20:01	0° ♁			-12504 Sep 09 j 06:30	0° ♁	
superior conj	-12505 Sep 18 j 17:46	1° ♁ 33'43	-1°03'41	evening rise	-12504 Sep 11 j 06:50	3° ♁ 29'04	
minimum elong	-12505 Sep 18 j 13:44	1° ♁ 16'16	1°02'30		-12504 Sep 28 j 04:44	0° ♁	
evening rise	-12505 Sep 29 j 17:56	21° ♁ 11'44		evening max el	-12504 Sep 28 j 16:25	0° ♁ 30'27	18°10'27
	-12505 Oct 04 j 14:46	0° ♁		asc. node	-12504 Oct 03 j 05:53	3° ♁ 41'32	
evening max el	-12505 Oct 16 j 03:06	17° ♁ 10'31	18°08'20	retrograde	-12504 Oct 05 j 07:37	4° ♁ 03'22	
asc. node	-12505 Oct 17 j 08:40	18° ♁ 18'26		evening set	-12504 Oct 07 j 22:52	3° ♁ 28'31	
retrograde	-12505 Oct 23 j 01:27	20° ♁ 44'41			-12504 Oct 12 j 15:30	30° ♁	
evening set	-12505 Oct 25 j 13:31	20° ♁ 17'08		inferior conj	-12504 Oct 14 j 11:14	28° ♁ 08'34	3°05'13
inferior conj	-12505 Nov 01 j 13:08	15° ♁ 16'44	3°45'59	minimum elong	-12504 Oct 14 j 07:27	28° ♁ 18'29	3°04'55
minimum elong	-12505 Nov 01 j 09:31	15° ♁ 25'10	3°45'54	min. Earth dist.	-12504 Oct 16 j 22:41	25° ♁ 33'19	0.62962 AU
min. Earth dist.	-12505 Nov 04 j 11:53	12° ♁ 32'51	0.61255 AU	morning rise	-12504 Oct 20 j 15:06	22° ♁ 14'44	
morning rise	-12505 Nov 08 j 04:10	9° ♁ 38'35		direct	-12504 Oct 27 j 15:50	19° ♁ 36'37	
direct	-12505 Nov 15 j 04:00	7° ♁ 18'39		morning max el	-12504 Nov 10 j 08:02	27° ♁ 07'11	27°33'19
morning max el	-12505 Nov 29 j 01:41	14° ♁ 44'51	27°22'25		-12504 Nov 13 j 03:05	0° ♁	
desc. node	-12505 Dec 04 j 12:48	20° ♁ 40'03		desc. node	-12504 Nov 20 j 09:24	8° ♁ 52'15	
	-12505 Dec 11 j 13:47	0° ♁			-12504 Dec 04 j 02:46	0° ♁	
	-12505 Dec 28 j 22:54	0° ♁		morning set	-12504 Dec 14 j 04:01	18° ♁ 49'29	
morning set	-12505 Dec 31 j 02:21	4° ♁ 20'58		max. Earth dist.	-12504 Dec 19 j 16:28	0° ♁ 16'38	1.33354 AU
max. Earth dist.	-12504 Jan 06 j 08:16	17° ♁ 37'17	1.32887 AU		-12504 Dec 19 j 13:21	0° ♁	
superior conj	-12504 Jan 07 j 06:33	19° ♁ 38'35	-0°53'07	superior conj	-12504 Dec 21 j 16:30	4° ♁ 33'50	-1°10'33
minimum elong	-12504 Jan 07 j 08:22	19° ♁ 48'26	0°53'05	minimum elong	-12504 Dec 21 j 18:31	4° ♁ 44'42	1°10'21
	-12504 Jan 12 j 01:02	0° ♁		evening rise	-12504 Dec 28 j 18:26	19° ♁ 45'25	
asc. node	-12504 Jan 13 j 06:06	2° ♁ 35'10		asc. node	-12504 Dec 30 j 03:29	22° ♁ 37'21	
evening rise	-12504 Jan 14 j 07:11	4° ♁ 47'32			-12503 Jan 02 j 20:03	0° ♁	
	-12504 Jan 27 j 21:36	0° ♁		evening max el	-12503 Jan 21 j 16:39	27° ♁ 31'37	23°39'58
evening max el	-12504 Feb 09 j 23:16	16° ♁ 37'59	25°10'45		-12503 Jan 24 j 14:23	0° ♁	
retrograde	-12504 Feb 23 j 23:25	23° ♁ 42'48		retrograde	-12503 Feb 04 j 03:45	4° ♁ 06'47	
evening set	-12504 Feb 28 j 23:05	22° ♁ 44'58		evening set	-12503 Feb 08 j 02:26	3° ♁ 32'37	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12503 Feb 15 j 05:45	0° A 10'36	0.56080 AU	evening rise	-12503 Dec 13 j 05:09	4° A 37'15	
	-12503 Feb 15 j 12:49	30° R M		asc. node	-12503 Dec 17 j 00:53	12° A 23'41	
desc. node	-12503 Feb 16 j 11:29	29° M 25'40			-12503 Dec 27 j 07:47	0° M	
inferior conj	-12503 Feb 17 j 01:49	29° M 03'52	-0°09'04	evening max el	-12502 Jan 03 j 11:57	8° M 27'22	22°06'14
minimum elong	-12503 Feb 17 j 01:26	29° M 04'29	0°09'37	retrograde	-12502 Jan 15 j 21:26	14° M 21'27	
transit middle	-12503 Feb 17 j 01:26	29° M 04'29	0°09'37	evening set	-12502 Jan 19 j 01:06	13° M 59'27	
transit begin	-12503 Feb 16 j 22:15	29° M 09'18		inferior conj	-12502 Jan 28 j 02:35	9° M 53'35	1°34'13
transit end	-12503 Feb 17 j 04:36	28° M 59'39		minimum elong	-12502 Jan 28 j 06:27	9° M 48'03	1°32'32
morning rise	-12503 Feb 26 j 02:44	24° M 58'32		min. Earth dist.	-12502 Jan 27 j 20:15	10° M 02'38	0.55481 AU
direct	-12503 Feb 28 j 06:38	24° M 46'33		desc. node	-12502 Feb 03 j 08:13	6° M 43'38	
morning max el	-12503 Mar 10 j 15:14	29° M 41'21	20°03'24	morning rise	-12502 Feb 06 j 12:16	5° M 48'12	
	-12503 Mar 10 j 22:59	0° A		direct	-12502 Feb 09 j 00:04	5° M 34'02	
asc. node	-12503 Mar 28 j 01:35	27° A 17'48		morning max el	-12502 Feb 20 j 23:38	11° M 19'16	21°21'09
morning set	-12503 Mar 28 j 14:50	28° A 24'29			-12502 Mar 06 j 05:30	0° A	
	-12503 Mar 29 j 09:43	0° B		morning set	-12502 Mar 12 j 22:46	13° A 09'09	
				asc. node	-12502 Mar 14 j 22:40	17° A 17'27	
superior conj	-12503 Apr 05 j 13:56	14° B 33'11	1°11'04				
minimum elong	-12503 Apr 05 j 11:05	14° B 18'59	1°09'56	superior conj	-12502 Mar 20 j 10:33	28° A 45'18	0°49'01
max. Earth dist.	-12503 Apr 10 j 17:41	24° B 38'27	1.36603 AU	minimum elong	-12502 Mar 20 j 08:28	28° A 34'35	0°47'54
	-12503 Apr 13 j 14:06	0° \approx			-12502 Mar 21 j 01:02	0° B	
evening rise	-12503 Apr 14 j 21:19	2° \approx 23'27		max. Earth dist.	-12502 Mar 24 j 06:06	6° B 31'42	1.35155 AU
	-12503 May 01 j 12:09	0° H		evening rise	-12502 Mar 28 j 21:29	15° B 35'37	
desc. node	-12503 May 15 j 10:14	18° H 56'15			-12502 Apr 05 j 20:33	0° \approx	
evening max el	-12503 May 20 j 17:19	24° H 45'11	25°49'37		-12502 Apr 25 j 23:35	0° H	
	-12503 May 27 j 03:08	0° Y		desc. node	-12502 May 02 j 07:39	7° H 13'13	
retrograde	-12503 Jun 02 j 01:18	1° Y 56'41		evening max el	-12502 May 03 j 03:50	8° H 03'52	26°47'32
	-12503 Jun 07 j 08:10	30° R H		retrograde	-12502 May 16 j 05:41	15° H 32'38	
evening set	-12503 Jun 08 j 05:55	29° H 15'33		evening set	-12502 May 22 j 21:24	12° H 45'44	
min. Earth dist.	-12503 Jun 12 j 11:02	24° H 33'27	0.66403 AU	min. Earth dist.	-12502 May 26 j 19:05	8° H 42'34	0.65424 AU
inferior conj	-12503 Jun 13 j 15:56	23° H 00'24	-2°42'59	inferior conj	-12502 May 28 j 14:02	6° H 33'29	-3°07'42
minimum elong	-12503 Jun 13 j 18:09	22° H 53'15	2°42'36	minimum elong	-12502 May 28 j 15:51	6° H 28'02	3°07'46
morning rise	-12503 Jun 19 j 06:25	17° H 05'03		morning rise	-12502 Jun 03 j 10:34	0° H 52'21	
direct	-12503 Jun 22 j 16:34	15° H 57'07			-12502 Jun 05 j 22:10	30° R \approx	
asc. node	-12503 Jun 24 j 02:23	16° H 08'07		direct	-12502 Jun 06 j 13:27	29° \approx 57'43	
morning max el	-12503 Jun 29 j 20:57	20° H 04'34	19°25'49		-12502 Jun 07 j 04:48	0° H	
	-12503 Jul 07 j 14:51	0° Y		asc. node	-12502 Jun 10 j 23:06	1° H 39'13	
morning set	-12503 Jul 23 j 15:43	24° Y 43'55		morning max el	-12502 Jun 13 j 05:53	3° H 39'53	18°40'37
	-12503 Jul 27 j 00:05	0° B			-12502 Jul 01 j 02:44	0° Y	
max. Earth dist.	-12503 Aug 06 j 13:22	16° B 39'28	1.44390 AU	morning set	-12502 Jul 03 j 18:35	4° Y 19'40	
superior conj	-12503 Aug 09 j 00:37	20° B 35'02	0°13'18	superior conj	-12502 Jul 19 j 00:53	28° Y 48'49	0°57'00
minimum elong	-12503 Aug 09 j 02:15	20° B 41'32	0°13'42	minimum elong	-12502 Jul 19 j 06:57	29° Y 12'50	0°56'43
behind sun begin	-12503 Aug 08 j 20:05	20° B 16'57			-12502 Jul 19 j 18:51	0° B	
behind sun end	-12503 Aug 09 j 08:25	21° B 06'08		max. Earth dist.	-12502 Jul 20 j 06:12	0° B 44'54	1.44554 AU
desc. node	-12503 Aug 11 j 06:30	24° B 10'12		desc. node	-12502 Jul 29 j 03:56	14° B 49'56	
	-12503 Aug 14 j 21:29	0° II		evening rise	-12502 Aug 04 j 10:03	24° B 44'31	
evening rise	-12503 Aug 23 j 21:51	14° II 44'11			-12502 Aug 07 j 17:36	0° II	
	-12503 Sep 02 j 04:57	0° B		evening max el	-12502 Aug 26 j 17:09	27° II 28'20	19°08'06
evening max el	-12503 Sep 12 j 06:03	13° B 58'04	18°30'41		-12502 Aug 29 j 15:35	0° B	
retrograde	-12503 Sep 18 j 21:44	17° B 38'50		retrograde	-12502 Sep 02 j 16:26	1° B 25'52	
asc. node	-12503 Sep 20 j 03:01	17° B 30'36		evening set	-12502 Sep 05 j 20:40	0° B 27'49	
evening set	-12503 Sep 21 j 18:20	16° B 53'57			-12502 Sep 06 j 13:19	30° R II	
inferior conj	-12503 Sep 27 j 20:51	11° B 17'18	2°16'47	asc. node	-12502 Sep 07 j 00:03	29° II 39'23	
minimum elong	-12503 Sep 27 j 17:47	11° B 26'10	2°16'33	inferior conj	-12502 Sep 11 j 15:01	24° II 37'45	1°25'04
min. Earth dist.	-12503 Sep 29 j 19:29	9° B 02'38	0.64411 AU	minimum elong	-12502 Sep 11 j 13:04	24° II 43'51	1°25'07
morning rise	-12503 Oct 03 j 16:36	5° B 10'45		min. Earth dist.	-12502 Sep 13 j 01:17	22° II 50'41	0.65560 AU
direct	-12503 Oct 10 j 10:21	2° B 27'39		morning rise	-12502 Sep 17 j 05:02	18° II 22'09	
morning max el	-12503 Oct 23 j 17:38	9° B 58'23	27°11'09	direct	-12502 Sep 23 j 11:11	15° II 44'26	
desc. node	-12503 Nov 07 j 06:01	27° B 53'19		morning max el	-12502 Oct 06 j 04:10	23° II 07'00	26°21'14
	-12503 Nov 08 j 16:44	0° Q			-12502 Oct 12 j 08:55	0° B	
	-12503 Nov 26 j 10:13	0° M		desc. node	-12502 Oct 25 j 02:44	17° B 29'22	
morning set	-12503 Nov 27 j 21:00	2° M 47'49			-12502 Nov 01 j 23:26	0° Q	
max. Earth dist.	-12503 Dec 02 j 16:53	12° M 28'23	1.34217 AU	morning set	-12502 Nov 11 j 01:37	16° Q 04'50	
				max. Earth dist.	-12502 Nov 15 j 06:52	24° Q 09'45	1.35500 AU
superior conj	-12503 Dec 05 j 22:44	19° M 14'05	-1°24'30		-12502 Nov 18 j 05:14	0° M	
minimum elong	-12503 Dec 06 j 00:33	19° M 23'38	1°24'11				
	-12503 Dec 11 j 00:27	0° Q		superior conj	-12502 Nov 19 j 22:57	3° M 31'58	-1°33'50

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12502 Nov 20 j 00:03	3° \mathbb{M} 37'36	1°33'25	minimum elong	-12501 Nov 03 j 14:02	17° Ω 18'02	1°36'32
evening rise	-12502 Nov 27 j 13:36	19° \mathbb{M} 17'19			-12501 Nov 09 j 22:11	0° \mathbb{M}	
	-12502 Dec 02 j 23:11	0° $\underline{\Omega}$		evening rise	-12501 Nov 11 j 17:54	3° \mathbb{M} 40'17	
asc. node	-12502 Dec 03 j 22:17	1° $\underline{\Omega}$ 47'30		asc. node	-12501 Nov 20 j 19:39	20° \mathbb{M} 41'00	
evening max el	-12502 Dec 16 j 14:24	19° $\underline{\Omega}$ 46'17	20°41'26		-12501 Nov 27 j 12:07	0° $\underline{\Omega}$	
retrograde	-12502 Dec 27 j 12:35	24° $\underline{\Omega}$ 53'57		evening max el	-12501 Nov 29 j 03:03	1° $\underline{\Omega}$ 39'44	19°33'02
evening set	-12502 Dec 30 j 05:51	24° $\underline{\Omega}$ 36'09		retrograde	-12501 Dec 08 j 12:16	6° $\underline{\Omega}$ 05'46	
inferior conj	-12501 Jan 08 j 00:41	20° $\underline{\Omega}$ 36'45	3°04'56	evening set	-12501 Dec 11 j 01:21	5° $\underline{\Omega}$ 47'41	
minimum elong	-12501 Jan 08 j 06:28	20° $\underline{\Omega}$ 28'13	3°03'21	inferior conj	-12501 Dec 19 j 09:01	1° $\underline{\Omega}$ 39'27	4°00'42
min. Earth dist.	-12501 Jan 09 j 09:45	19° $\underline{\Omega}$ 48'06	0.55741 AU	minimum elong	-12501 Dec 19 j 12:36	1° $\underline{\Omega}$ 33'37	4°00'16
morning rise	-12501 Jan 17 j 05:43	16° $\underline{\Omega}$ 15'42			-12501 Dec 21 j 22:16	30° \mathbb{R} \mathbb{M}	
direct	-12501 Jan 20 j 15:33	15° $\underline{\Omega}$ 50'07		min. Earth dist.	-12501 Dec 21 j 23:18	29° \mathbb{M} 58'21	0.56790 AU
desc. node	-12501 Jan 21 j 04:52	15° $\underline{\Omega}$ 50'49		morning rise	-12501 Dec 27 j 21:43	26° \mathbb{M} 54'54	
morning max el	-12501 Feb 02 j 21:23	22° $\underline{\Omega}$ 20'26	22°53'10	direct	-12500 Jan 01 j 15:49	26° \mathbb{M} 03'35	
	-12501 Feb 09 j 12:02	0° \mathbb{M}		desc. node	-12500 Jan 08 j 01:28	27° \mathbb{M} 37'22	
morning set	-12501 Feb 25 j 09:56	28° \mathbb{M} 07'08			-12500 Jan 11 j 22:37	0° $\underline{\Omega}$	
	-12501 Feb 26 j 07:28	0° \mathbb{X}		morning max el	-12500 Jan 15 j 12:44	3° $\underline{\Omega}$ 02'52	24°29'45
asc. node	-12501 Mar 01 j 19:48	7° \mathbb{X} 27'56			-12500 Feb 03 j 07:43	0° \mathbb{M}	
				morning set	-12500 Feb 09 j 22:25	13° \mathbb{M} 11'46	
superior conj	-12501 Mar 04 j 14:13	13° \mathbb{X} 21'46	0°25'40	superior conj	-12500 Feb 16 j 22:33	28° \mathbb{M} 14'45	0°02'11
minimum elong	-12501 Mar 04 j 13:08	13° \mathbb{X} 16'03	0°24'44	minimum elong	-12500 Feb 16 j 22:29	28° \mathbb{M} 14'25	0°01'31
max. Earth dist.	-12501 Mar 07 j 04:26	18° \mathbb{X} 49'10	1.34054 AU	behind sun begin	-12500 Feb 16 j 17:24	27° \mathbb{M} 46'55	
evening rise	-12501 Mar 12 j 10:42	29° \mathbb{X} 29'51		behind sun end	-12500 Feb 17 j 03:35	28° \mathbb{M} 41'55	
	-12501 Mar 12 j 16:50	0° \mathbb{Z}		asc. node	-12500 Feb 16 j 17:01	27° \mathbb{M} 44'50	
	-12501 Mar 29 j 23:02	0° \approx			-12500 Feb 17 j 18:04	0° \mathbb{X}	
evening max el	-12501 Apr 15 j 14:23	21° \approx 09'58	27°21'21	max. Earth dist.	-12500 Feb 18 j 11:11	1° \mathbb{X} 31'56	1.33307 AU
desc. node	-12501 Apr 19 j 04:58	24° \approx 22'32		evening rise	-12500 Feb 24 j 09:10	13° \mathbb{X} 54'05	
retrograde	-12501 Apr 29 j 04:40	28° \approx 45'38			-12500 Mar 03 j 20:16	0° \mathbb{Z}	
evening set	-12501 May 06 j 02:25	26° \approx 04'59			-12500 Mar 24 j 06:30	0° \approx	
min. Earth dist.	-12501 May 09 j 19:16	22° \approx 36'08	0.64049 AU	evening max el	-12500 Mar 27 j 23:15	3° \approx 53'11	27°25'06
inferior conj	-12501 May 12 j 04:52	19° \approx 58'12	-3°21'42	desc. node	-12500 Apr 05 j 02:10	9° \approx 57'47	
minimum elong	-12501 May 12 j 05:43	19° \approx 55'53	3°22'11	retrograde	-12500 Apr 10 j 21:21	11° \approx 27'27	
morning rise	-12501 May 18 j 09:45	14° \approx 33'30		evening set	-12500 Apr 17 j 17:44	9° \approx 06'22	
direct	-12501 May 21 j 06:47	13° \approx 50'24		min. Earth dist.	-12500 Apr 21 j 10:40	6° \approx 02'32	0.62327 AU
morning max el	-12501 May 27 j 18:28	17° \approx 17'18	18°12'30	inferior conj	-12500 Apr 24 j 09:30	3° \approx 09'15	-3°21'28
asc. node	-12501 May 28 j 19:50	18° \approx 24'30		minimum elong	-12500 Apr 24 j 08:50	3° \approx 10'54	3°22'05
	-12501 Jun 05 j 23:18	0° \mathbb{X}			-12500 Apr 27 j 20:42	30° \mathbb{R} \mathbb{Z}	
morning set	-12501 Jun 14 j 22:34	15° \mathbb{X} 04'32		morning rise	-12500 May 01 j 01:24	28° \mathbb{Z} 02'41	
	-12501 Jun 23 j 19:59	0° \mathbb{Y}		direct	-12500 May 03 j 17:33	27° \mathbb{Z} 29'28	
superior conj	-12501 Jun 28 j 09:23	7° \mathbb{Y} 27'46	1°29'53		-12500 May 09 j 09:47	0° \approx	
minimum elong	-12501 Jun 28 j 15:13	7° \mathbb{Y} 51'25	1°29'32	morning max el	-12500 May 10 j 08:22	0° \approx 51'56	18°02'27
max. Earth dist.	-12501 Jul 02 j 21:11	14° \mathbb{Y} 41'39	1.44019 AU	asc. node	-12500 May 14 j 16:37	6° \approx 08'53	
	-12501 Jul 12 j 13:59	0° \mathbb{Z}		morning set	-12500 May 27 j 01:53	26° \approx 56'18	
evening rise	-12501 Jul 14 j 20:35	3° \mathbb{Z} 32'38			-12500 May 28 j 19:14	0° \mathbb{X}	
desc. node	-12501 Jul 16 j 01:26	5° \mathbb{Z} 24'40		superior conj	-12500 Jun 07 j 17:51	17° \mathbb{X} 17'13	1°46'27
greatest brilliancy	-12501 Jul 27 j 12:58	22° \mathbb{Z} 58'51	-0.7m	minimum elong	-12500 Jun 07 j 20:05	17° \mathbb{X} 26'41	1°46'12
	-12501 Aug 01 j 07:54	0° \mathbb{I}		max. Earth dist.	-12500 Jun 14 j 08:11	28° \mathbb{X} 15'05	1.42871 AU
evening max el	-12501 Aug 09 j 23:15	10° \mathbb{I} 57'19	20°01'29		-12500 Jun 15 j 09:58	0° \mathbb{Y}	
retrograde	-12501 Aug 17 j 13:02	15° \mathbb{I} 20'43		evening rise	-12500 Jun 22 j 20:29	11° \mathbb{Y} 51'04	
evening set	-12501 Aug 21 j 03:09	14° \mathbb{I} 06'08		desc. node	-12500 Jul 01 j 22:58	25° \mathbb{Y} 50'38	
asc. node	-12501 Aug 24 j 20:59	10° \mathbb{I} 22'06			-12500 Jul 04 j 17:31	0° \mathbb{Z}	
inferior conj	-12501 Aug 26 j 15:12	8° \mathbb{I} 05'53	0°32'56	evening max el	-12500 Jul 22 j 22:44	24° \mathbb{Z} 22'32	21°08'42
minimum elong	-12501 Aug 26 j 14:26	8° \mathbb{I} 08'22	0°33'21	retrograde	-12500 Jul 31 j 09:23	29° \mathbb{Z} 20'20	
min. Earth dist.	-12501 Aug 27 j 14:03	6° \mathbb{I} 50'19	0.66404 AU	evening set	-12500 Aug 04 j 11:32	27° \mathbb{Z} 46'14	
morning rise	-12501 Sep 01 j 01:27	1° \mathbb{I} 45'21		inferior conj	-12500 Aug 09 j 19:13	21° \mathbb{Z} 38'35	-0°17'37
	-12501 Sep 03 j 17:18	30° \mathbb{R} \mathbb{Z}		minimum elong	-12500 Aug 09 j 19:34	21° \mathbb{Z} 37'21	0°16'53
direct	-12501 Sep 06 j 17:53	29° \mathbb{Z} 20'10		min. Earth dist.	-12500 Aug 10 j 07:19	20° \mathbb{Z} 57'13	0.66961 AU
	-12501 Sep 09 j 23:46	0° \mathbb{I}		asc. node	-12500 Aug 10 j 17:53	20° \mathbb{Z} 21'17	
morning max el	-12501 Sep 18 j 14:08	6° \mathbb{I} 21'55	25°11'19	morning rise	-12500 Aug 15 j 03:27	15° \mathbb{Z} 17'15	
	-12501 Oct 07 j 00:51	0° \mathbb{Z}		direct	-12500 Aug 20 j 05:46	13° \mathbb{Z} 08'45	
desc. node	-12501 Oct 11 j 23:34	7° \mathbb{Z} 30'28		morning max el	-12500 Aug 31 j 00:03	19° \mathbb{Z} 36'46	23°50'06
morning set	-12501 Oct 24 j 13:09	28° \mathbb{Z} 27'28			-12500 Sep 08 j 19:00	0° \mathbb{I}	
	-12501 Oct 25 j 09:50	0° $\underline{\Omega}$		desc. node	-12500 Sep 27 j 20:29	27° \mathbb{I} 48'26	
max. Earth dist.	-12501 Oct 28 j 10:46	5° $\underline{\Omega}$ 33'13	1.37174 AU		-12500 Sep 29 j 05:24	0° \mathbb{Z}	
superior conj	-12501 Nov 03 j 14:11	17° $\underline{\Omega}$ 18'49	-1°37'05	morning set	-12500 Oct 05 j 02:08	9° \mathbb{Z} 40'15	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12500 Oct 09 j 09:35	17° Ω 06'41	1.39114 AU		-12499 Sep 21 j 20:05	0° Ω	
	-12500 Oct 16 j 11:43	0° Ω					
superior conj	-12500 Oct 16 j 16:25	0° Ω 22'07	-1°32'23	superior conj	-12499 Sep 29 j 00:35	12° Ω 28'18	-1°17'35
minimum elong	-12500 Oct 16 j 14:33	0° Ω 13'18	1°31'37	minimum elong	-12499 Sep 28 j 21:02	12° Ω 12'28	1°16'31
evening rise	-12500 Oct 25 j 15:39	17° Ω 38'39		evening rise	-12499 Oct 08 j 13:51	0° Ω	
	-12500 Nov 01 j 04:48	0° \mathbb{N}		asc. node	-12499 Oct 24 j 14:17	26° Ω 11'40	
asc. node	-12500 Nov 06 j 17:00	8° \mathbb{N} 53'14		evening max el	-12499 Oct 25 j 08:10	26° Ω 57'45	18°15'41
evening max el	-12500 Nov 11 j 01:40	14° \mathbb{N} 05'35	18°44'13		-12499 Oct 29 j 15:03	0° \mathbb{N}	
retrograde	-12500 Nov 19 j 04:25	18° \mathbb{N} 01'50		retrograde	-12499 Nov 01 j 14:13	0° \mathbb{N} 36'59	
evening set	-12500 Nov 21 j 15:56	17° \mathbb{N} 41'13		evening set	-12499 Nov 04 j 01:33	0° \mathbb{N} 12'24	
inferior conj	-12500 Nov 29 j 10:59	13° \mathbb{N} 14'21	4°17'20		-12499 Nov 04 j 15:21	30° \mathbb{R} Ω	
minimum elong	-12500 Nov 29 j 10:47	13° \mathbb{N} 14'44	4°17'34	inferior conj	-12499 Nov 11 j 08:02	25° Ω 23'43	4°03'29
min. Earth dist.	-12500 Dec 02 j 14:30	10° \mathbb{N} 54'00	0.58382 AU	minimum elong	-12499 Nov 11 j 05:09	25° Ω 29'56	4°03'35
morning rise	-12500 Dec 07 j 03:44	8° \mathbb{N} 07'07		min. Earth dist.	-12499 Nov 14 j 10:57	22° Ω 43'02	0.60207 AU
direct	-12500 Dec 13 j 03:39	6° \mathbb{N} 39'33		morning rise	-12499 Nov 18 j 07:17	19° Ω 56'08	
desc. node	-12500 Dec 24 j 22:03	11° \mathbb{N} 51'33		direct	-12499 Nov 25 j 01:47	17° Ω 53'02	
morning max el	-12500 Dec 27 j 04:16	13° \mathbb{N} 52'49	25°56'55	morning max el	-12499 Dec 09 j 01:18	25° Ω 14'25	27°00'28
	-12499 Jan 08 j 23:58	0° Ω		desc. node	-12499 Dec 11 j 18:38	28° Ω 01'38	
morning set	-12499 Jan 24 j 10:25	28° Ω 15'35			-12499 Dec 13 j 12:43	0° \mathbb{N}	
	-12499 Jan 25 j 06:15	0° \mathbb{N}			-12498 Jan 02 j 03:53	0° Ω	
				morning set	-12498 Jan 08 j 20:06	13° Ω 11'55	
superior conj	-12499 Jan 31 j 09:32	13° \mathbb{N} 16'17	-0°20'35	superior conj	-12498 Jan 15 j 21:26	28° Ω 20'12	-0°41'50
minimum elong	-12499 Jan 31 j 10:22	13° \mathbb{N} 20'51	0°20'57	minimum elong	-12498 Jan 15 j 22:58	28° Ω 28'35	0°41'56
max. Earth dist.	-12499 Jan 31 j 23:09	14° \mathbb{N} 30'33	1.32890 AU	max. Earth dist.	-12498 Jan 15 j 12:41	27° Ω 32'27	1.32795 AU
asc. node	-12499 Feb 02 j 14:18	18° \mathbb{N} 03'14			-12498 Jan 16 j 15:42	0° \mathbb{N}	
evening rise	-12499 Feb 07 j 13:54	28° \mathbb{N} 37'21		asc. node	-12498 Jan 20 j 11:37	8° \mathbb{N} 18'56	
	-12499 Feb 08 j 06:00	0° \mathbb{N}		evening rise	-12498 Jan 22 j 22:37	13° \mathbb{N} 31'34	
	-12499 Feb 25 j 04:51	0° Ω			-12498 Jan 31 j 09:09	0° \mathbb{N}	
evening max el	-12499 Mar 10 j 04:05	16° Ω 02'55	26°56'05	evening max el	-12498 Feb 20 j 03:13	27° \mathbb{N} 34'46	25°56'09
desc. node	-12499 Mar 22 j 23:16	23° Ω 25'53			-12498 Feb 22 j 21:11	0° Ω	
retrograde	-12499 Mar 24 j 06:12	23° Ω 30'14		retrograde	-12498 Mar 06 j 05:28	4° Ω 50'11	
evening set	-12499 Mar 30 j 16:08	21° Ω 39'32		desc. node	-12498 Mar 09 j 20:17	4° Ω 18'00	
min. Earth dist.	-12499 Apr 03 j 17:19	18° Ω 47'47	0.60380 AU	evening set	-12498 Mar 11 j 19:48	3° Ω 33'50	
inferior conj	-12499 Apr 07 j 00:26	15° Ω 58'32	-3°01'58	min. Earth dist.	-12498 Mar 16 j 16:33	0° Ω 40'07	0.58429 AU
minimum elong	-12499 Apr 06 j 22:02	16° Ω 03'43	3°02'22		-12498 Mar 17 j 14:43	30° \mathbb{R} \mathbb{N}	
morning rise	-12499 Apr 14 j 06:17	11° Ω 11'32		inferior conj	-12498 Mar 19 j 22:03	28° \mathbb{N} 16'48	-2°17'14
direct	-12499 Apr 16 j 18:02	10° Ω 46'45		minimum elong	-12498 Mar 19 j 18:37	28° \mathbb{N} 23'12	2°17'13
morning max el	-12499 Apr 23 j 20:55	14° Ω 16'46	18°11'16	morning rise	-12498 Mar 27 j 20:34	23° \mathbb{N} 49'36	
asc. node	-12499 May 01 j 13:28	24° Ω 39'00		direct	-12498 Mar 30 j 03:55	23° \mathbb{N} 31'47	
	-12499 May 04 j 16:08	0° \approx		morning max el	-12498 Apr 07 j 05:15	27° \mathbb{N} 23'11	18°39'23
morning set	-12499 May 09 j 23:57	9° \approx 44'46			-12498 Apr 09 j 15:16	0° Ω	
superior conj	-12499 May 20 j 05:07	28° \approx 26'52	1°48'08	asc. node	-12498 Apr 18 j 10:21	13° Ω 43'47	
minimum elong	-12499 May 20 j 04:04	28° \approx 22'11	1°47'42	morning set	-12498 Apr 23 j 11:58	23° Ω 17'46	
	-12499 May 21 j 02:07	0° \mathbb{H}			-12498 Apr 26 j 23:13	0° \approx	
max. Earth dist.	-12499 May 27 j 14:05	11° \mathbb{H} 13'26	1.41260 AU	superior conj	-12498 May 02 j 14:54	10° \approx 45'37	1°38'54
evening rise	-12499 Jun 02 j 08:54	20° \mathbb{H} 46'33		minimum elong	-12498 May 02 j 12:10	10° \approx 32'51	1°38'07
	-12499 Jun 08 j 04:22	0° \mathbb{Y}		max. Earth dist.	-12498 May 09 j 15:18	23° \approx 30'03	1.39407 AU
desc. node	-12499 Jun 18 j 20:31	16° \mathbb{Y} 03'30			-12498 May 13 j 09:24	0° \mathbb{H}	
	-12499 Jun 28 j 23:43	0° \mathbb{B}		evening rise	-12498 May 13 j 23:17	0° \mathbb{H} 58'59	
evening max el	-12499 Jul 05 j 15:26	7° \mathbb{B} 44'03	22°26'10		-12498 Jun 01 j 12:30	0° \mathbb{Y}	
retrograde	-12499 Jul 15 j 04:00	13° \mathbb{B} 22'48		desc. node	-12498 Jun 05 j 18:05	5° \mathbb{Y} 56'53	
evening set	-12499 Jul 19 j 19:51	11° \mathbb{B} 27'21		evening max el	-12498 Jun 18 j 03:00	21° \mathbb{Y} 03'19	23°48'30
inferior conj	-12499 Jul 25 j 01:14	5° \mathbb{B} 14'43	-1°04'59	retrograde	-12498 Jun 28 j 19:44	27° \mathbb{Y} 24'21	
minimum elong	-12499 Jul 25 j 02:30	5° \mathbb{B} 10'17	1°04'04	evening set	-12498 Jul 04 j 02:13	25° \mathbb{Y} 07'55	
min. Earth dist.	-12499 Jul 25 j 02:43	5° \mathbb{B} 09'33	0.67226 AU	inferior conj	-12498 Jul 09 j 07:28	18° \mathbb{Y} 52'28	-1°47'49
asc. node	-12499 Jul 28 j 14:42	0° \mathbb{B} 39'07		minimum elong	-12498 Jul 09 j 09:23	18° \mathbb{Y} 45'53	1°46'58
	-12499 Jul 29 j 05:26	30° \mathbb{R} \mathbb{Y}		min. Earth dist.	-12498 Jul 08 j 21:54	19° \mathbb{Y} 25'13	0.67178 AU
morning rise	-12499 Jul 30 j 09:04	28° \mathbb{Y} 56'26		morning rise	-12498 Jul 14 j 16:32	12° \mathbb{Y} 40'40	
direct	-12499 Aug 03 j 22:01	27° \mathbb{Y} 06'09		asc. node	-12498 Jul 15 j 11:30	12° \mathbb{Y} 07'45	
	-12499 Aug 10 j 09:31	0° \mathbb{B}		direct	-12498 Jul 18 j 17:32	11° \mathbb{Y} 08'15	
morning max el	-12499 Aug 13 j 12:26	2° \mathbb{B} 52'42	22°26'22	morning max el	-12498 Jul 27 j 05:50	16° \mathbb{Y} 12'33	21°07'26
	-12499 Sep 02 j 21:38	0° \mathbb{H}			-12498 Aug 07 j 02:14	0° \mathbb{B}	
desc. node	-12499 Sep 14 j 17:32	18° \mathbb{H} 18'10		morning set	-12498 Aug 26 j 00:52	28° \mathbb{B} 28'42	
morning set	-12499 Sep 15 j 12:59	19° \mathbb{H} 36'26			-12498 Aug 27 j 00:10	0° \mathbb{H}	
max. Earth dist.	-12499 Sep 21 j 10:34	29° \mathbb{H} 19'55	1.41073 AU				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12498 Sep 01 j 14:42	8° Π 55'04		morning set	-12497 Aug 05 j 04:09	6° \mathcal{B} 58'45	
max. Earth dist.	-12498 Sep 03 j 17:17	12° Π 20'02	1.42770 AU	max. Earth dist.	-12497 Aug 17 j 05:23	25° \mathcal{B} 57'14	1.43978 AU
				desc. node	-12497 Aug 19 j 11:58	29° \mathcal{B} 35'47	
superior conj	-12498 Sep 10 j 08:52	23° Π 22'04	-0°50'49		-12497 Aug 19 j 17:59	0° Π	
minimum elong	-12498 Sep 10 j 04:57	23° Π 05'29	0°49'36				
	-12498 Sep 14 j 05:55	0° \mathcal{E}		superior conj	-12497 Aug 21 j 13:35	2° Π 55'56	-0°12'20
evening rise	-12498 Sep 22 j 02:42	13° \mathcal{E} 51'27		minimum elong	-12497 Aug 21 j 12:19	2° Π 50'49	0°11'29
	-12498 Oct 01 j 09:18	0° Ω		behind sun begin	-12497 Aug 21 j 04:39	2° Π 19'46	
evening max el	-12498 Oct 08 j 19:45	10° Ω 08'43	18°06'55	behind sun end	-12497 Aug 21 j 20:00	3° Π 21'54	
asc. node	-12498 Oct 11 j 11:31	12° Ω 21'05		evening rise	-12497 Sep 04 j 07:00	25° Π 43'58	
retrograde	-12498 Oct 15 j 14:12	13° Ω 41'37			-12497 Sep 06 j 19:16	0° \mathcal{E}	
evening set	-12498 Oct 18 j 03:17	13° Ω 11'18		evening max el	-12497 Sep 22 j 09:28	23° \mathcal{E} 32'05	18°16'55
inferior conj	-12498 Oct 24 j 21:56	8° Ω 02'01	3°30'01	asc. node	-12497 Sep 28 j 08:41	27° \mathcal{E} 05'22	
minimum elong	-12498 Oct 24 j 18:06	8° Ω 11'26	3°29'48	retrograde	-12497 Sep 29 j 00:11	27° \mathcal{E} 07'34	
min. Earth dist.	-12498 Oct 27 j 16:09	5° Ω 20'02	0.62000 AU	evening set	-12497 Oct 01 j 17:18	26° \mathcal{E} 29'00	
morning rise	-12498 Oct 31 j 07:45	2° Ω 16'36		inferior conj	-12497 Oct 08 j 01:18	21° \mathcal{E} 01'41	2°45'19
	-12498 Nov 05 j 07:31	30° \mathcal{R} \mathcal{E}		minimum elong	-12497 Oct 07 j 21:45	21° \mathcal{E} 11'25	2°45'00
direct	-12498 Nov 07 j 08:53	29° \mathcal{E} 47'33		min. Earth dist.	-12497 Oct 10 j 07:24	18° \mathcal{E} 33'42	0.63607 AU
	-12498 Nov 09 j 11:27	0° Ω		morning rise	-12497 Oct 14 j 01:20	15° \mathcal{E} 01'44	
morning max el	-12498 Nov 21 j 04:56	7° Ω 16'09	27°31'28	direct	-12497 Oct 20 j 23:48	12° \mathcal{E} 19'46	
desc. node	-12498 Nov 28 j 15:14	15° Ω 36'19		morning max el	-12497 Nov 03 j 13:04	19° \mathcal{E} 52'16	27°27'46
	-12498 Dec 08 j 16:50	0° \mathcal{M}			-12497 Nov 12 j 09:05	0° Ω	
morning set	-12498 Dec 24 j 01:26	27° \mathcal{M} 53'24		desc. node	-12497 Nov 15 j 11:51	4° Ω 11'11	
	-12498 Dec 25 j 02:06	0° \mathcal{A}			-12497 Dec 01 j 14:09	0° \mathcal{M}	
max. Earth dist.	-12498 Dec 29 j 23:59	10° \mathcal{A} 24'06	1.33035 AU	morning set	-12497 Dec 07 j 23:46	12° \mathcal{M} 10'20	
				max. Earth dist.	-12497 Dec 13 j 05:06	22° \mathcal{M} 51'42	1.33657 AU
superior conj	-12498 Dec 31 j 08:35	13° \mathcal{A} 20'33	-1°00'53				
minimum elong	-12498 Dec 31 j 10:32	13° \mathcal{A} 31'06	1°00'46	superior conj	-12497 Dec 15 j 17:10	28° \mathcal{M} 10'06	-1°16'59
evening rise	-12497 Jan 07 j 09:26	28° \mathcal{A} 29'57		minimum elong	-12497 Dec 15 j 19:09	28° \mathcal{M} 20'43	1°16'43
asc. node	-12497 Jan 07 j 08:59	28° \mathcal{A} 27'37			-12497 Dec 16 j 13:42	0° \mathcal{A}	
	-12497 Jan 08 j 02:39	0° \mathcal{M}		evening rise	-12497 Dec 22 j 20:36	13° \mathcal{A} 25'32	
	-12497 Jan 25 j 09:22	0° \mathcal{J}		asc. node	-12497 Dec 25 j 06:23	18° \mathcal{A} 23'44	
evening max el	-12497 Feb 01 j 21:35	8° \mathcal{J} 37'11	24°33'21		-12497 Dec 31 j 08:37	0° \mathcal{M}	
retrograde	-12497 Feb 15 j 17:36	15° \mathcal{J} 31'42		evening max el	-12496 Jan 14 j 15:02	19° \mathcal{M} 28'45	22°59'51
evening set	-12497 Feb 20 j 06:29	14° \mathcal{J} 45'07		retrograde	-12496 Jan 27 j 17:21	25° \mathcal{M} 48'18	
desc. node	-12497 Feb 24 j 17:12	12° \mathcal{J} 40'14		evening set	-12496 Jan 31 j 06:32	25° \mathcal{M} 20'45	
min. Earth dist.	-12497 Feb 26 j 11:04	11° \mathcal{J} 36'41	0.56770 AU	min. Earth dist.	-12496 Feb 08 j 03:02	21° \mathcal{M} 45'41	0.55715 AU
inferior conj	-12497 Mar 01 j 00:05	9° \mathcal{J} 58'11	-1°03'26	inferior conj	-12496 Feb 09 j 08:02	21° \mathcal{M} 03'10	0°34'21
minimum elong	-12497 Feb 28 j 21:46	10° \mathcal{J} 01'57	1°03'29	minimum elong	-12496 Feb 09 j 09:27	21° \mathcal{M} 01'05	0°33'18
morning rise	-12497 Mar 09 j 16:12	5° \mathcal{J} 47'30		desc. node	-12496 Feb 11 j 13:59	19° \mathcal{M} 45'36	
direct	-12497 Mar 11 j 19:57	5° \mathcal{J} 34'29		morning rise	-12496 Feb 18 j 14:00	16° \mathcal{M} 59'32	
morning max el	-12497 Mar 21 j 06:24	10° \mathcal{J} 02'23	19°27'06	direct	-12496 Feb 20 j 19:26	16° \mathcal{M} 47'32	
	-12497 Apr 03 j 14:47	0° \mathcal{Z}		morning max el	-12496 Mar 02 j 21:25	22° \mathcal{M} 04'08	20°34'18
asc. node	-12497 Apr 05 j 07:18	3° \mathcal{Z} 15'18			-12496 Mar 09 j 10:50	0° \mathcal{J}	
morning set	-12497 Apr 07 j 10:05	7° \mathcal{Z} 25'40		morning set	-12496 Mar 21 j 15:09	21° \mathcal{J} 58'53	
				asc. node	-12496 Mar 22 j 04:20	23° \mathcal{J} 06'08	
superior conj	-12497 Apr 15 j 17:46	23° \mathcal{Z} 58'59	1°22'34		-12496 Mar 25 j 12:45	0° \mathcal{Z}	
minimum elong	-12497 Apr 15 j 14:42	23° \mathcal{Z} 44'03	1°21'31				
	-12497 Apr 18 j 20:36	0° \mathcal{A}		superior conj	-12496 Mar 29 j 08:57	7° \mathcal{Z} 52'37	1°01'59
max. Earth dist.	-12497 Apr 21 j 15:58	5° \mathcal{A} 16'13	1.37569 AU	minimum elong	-12496 Mar 29 j 06:23	7° \mathcal{Z} 39'37	1°00'50
evening rise	-12497 Apr 25 j 16:19	12° \mathcal{A} 33'14		max. Earth dist.	-12496 Apr 02 j 22:35	16° \mathcal{Z} 58'40	1.35949 AU
	-12497 May 06 j 00:59	0° \mathcal{H}		evening rise	-12496 Apr 07 j 06:46	25° \mathcal{Z} 14'38	
desc. node	-12497 May 23 j 15:36	25° \mathcal{H} 22'39			-12496 Apr 09 j 21:09	0° \mathcal{A}	
	-12497 May 27 j 11:01	0° \mathcal{Y}			-12496 Apr 28 j 12:29	0° \mathcal{H}	
evening max el	-12497 May 31 j 12:31	4° \mathcal{Y} 23'46	25°08'13	desc. node	-12496 May 09 j 13:03	14° \mathcal{H} 09'10	
retrograde	-12497 Jun 12 j 07:46	11° \mathcal{Y} 20'47		evening max el	-12496 May 12 j 22:33	17° \mathcal{H} 45'05	26°16'42
evening set	-12497 Jun 18 j 04:38	8° \mathcal{Y} 46'46		retrograde	-12496 May 25 j 15:12	25° \mathcal{H} 05'58	
min. Earth dist.	-12497 Jun 22 j 14:38	3° \mathcal{Y} 42'02	0.66792 AU	evening set	-12496 Jun 01 j 00:51	22° \mathcal{H} 21'15	
inferior conj	-12497 Jun 23 j 12:08	2° \mathcal{Y} 30'41	-2°24'52	min. Earth dist.	-12496 Jun 05 j 02:36	17° \mathcal{H} 55'41	0.66035 AU
minimum elong	-12497 Jun 23 j 14:22	2° \mathcal{Y} 23'17	2°24'15	inferior conj	-12496 Jun 06 j 13:17	16° \mathcal{H} 06'47	-2°54'38
	-12497 Jun 25 j 10:51	30° \mathcal{R} \mathcal{H}		minimum elong	-12496 Jun 06 j 15:24	16° \mathcal{H} 00'09	2°54'26
morning rise	-12497 Jun 29 j 00:07	26° \mathcal{H} 28'26		morning rise	-12496 Jun 12 j 06:04	10° \mathcal{H} 16'57	
asc. node	-12497 Jul 02 j 08:16	25° \mathcal{H} 12'41		direct	-12496 Jun 15 j 12:51	9° \mathcal{H} 15'00	
direct	-12497 Jul 02 j 15:04	25° \mathcal{H} 12'14		asc. node	-12496 Jun 18 j 04:59	9° \mathcal{H} 53'47	
morning max el	-12497 Jul 10 j 05:35	29° \mathcal{H} 38'43	19°58'52	morning max el	-12496 Jun 22 j 11:27	13° \mathcal{H} 10'55	19°04'27
	-12497 Jul 10 j 13:43	0° \mathcal{Y}			-12496 Jul 04 j 16:06	0° \mathcal{Y}	
	-12497 Jul 31 j 16:16	0° \mathcal{B}		morning set	-12496 Jul 14 j 18:29	16° \mathcal{Y} 00'01	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12496 Jul 23 j 14:11	0°♄		morning max el	-12495 Jun 05 j 22:07	26°♊47'16	18°26'24
max. Earth dist.	-12496 Jul 29 j 21:02	9°♄56'45	1.44546 AU		-12495 Jun 08 j 17:04	0°♋	
				morning set	-12495 Jun 25 j 07:58	26°♋05'04	
superior conj	-12496 Jul 30 j 19:34	11°♄25'59	0°32'31		-12495 Jun 27 j 16:53	0°♌	
minimum elong	-12496 Jul 30 j 23:26	11°♄41'17	0°32'33				
desc. node	-12496 Aug 05 j 09:20	20°♄17'09		superior conj	-12495 Jul 09 j 20:36	19°♌42'39	1°12'48
	-12496 Aug 11 j 10:51	0°♍		minimum elong	-12495 Jul 10 j 03:13	20°♌09'02	1°12'26
evening rise	-12496 Aug 15 j 11:02	6°♍28'34		max. Earth dist.	-12495 Jul 12 j 13:39	24°♌01'31	1.44415 AU
	-12496 Aug 30 j 08:10	0°♎			-12495 Jul 16 j 08:13	0°♍	
evening max el	-12496 Sep 04 j 22:25	7°♎02'12	18°44'38	desc. node	-12495 Jul 23 j 06:48	10°♍55'21	
retrograde	-12496 Sep 11 j 16:29	10°♎48'51		evening rise	-12495 Jul 26 j 11:28	15°♍56'02	
asc. node	-12496 Sep 14 j 05:46	10°♎12'08			-12495 Aug 04 j 11:50	0°♐	
evening set	-12496 Sep 14 j 16:03	9°♎58'51		greatest brilliancy	-12495 Aug 05 j 14:31	1°♐42'46	-0.7m
inferior conj	-12496 Sep 20 j 14:54	4°♎16'26	1°55'03	evening max el	-12495 Aug 19 j 07:45	20°♐32'53	19°28'59
minimum elong	-12496 Sep 20 j 12:17	4°♎24'17	1°54'54	retrograde	-12495 Aug 26 j 12:11	24°♐39'49	
min. Earth dist.	-12496 Sep 22 j 08:17	2°♎12'36	0.64939 AU	evening set	-12495 Aug 29 j 20:27	23°♐35'00	
	-12496 Sep 24 j 07:35	30°♑♐		asc. node	-12495 Sep 01 j 02:46	21°♐40'59	
morning rise	-12496 Sep 26 j 07:57	28°♐05'37		inferior conj	-12495 Sep 04 j 11:54	17°♐40'22	1°02'50
direct	-12496 Oct 02 j 21:20	25°♐23'21		minimum elong	-12495 Sep 04 j 10:27	17°♐44'59	1°03'02
	-12496 Oct 12 j 19:25	0°♑		min. Earth dist.	-12495 Sep 05 j 17:11	16°♐06'28	0.65963 AU
morning max el	-12496 Oct 15 j 23:06	2°♑52'06	26°52'50	morning rise	-12495 Sep 10 j 00:07	11°♐22'28	
desc. node	-12496 Nov 01 j 08:31	23°♑29'07		direct	-12495 Sep 16 j 00:41	8°♐49'25	
	-12496 Nov 05 j 15:12	0°♒		morning max el	-12495 Sep 28 j 09:16	16°♐03'53	25°53'22
morning set	-12496 Nov 20 j 11:58	25°♒52'42			-12495 Oct 10 j 00:46	0°♑	
	-12496 Nov 22 j 14:56	0°♓		desc. node	-12495 Oct 19 j 05:18	13°♑17'01	
max. Earth dist.	-12496 Nov 25 j 00:58	4°♓48'56	1.34706 AU		-12495 Oct 29 j 11:21	0°♒	
				morning set	-12495 Nov 03 j 09:51	8°♒47'39	
superior conj	-12496 Nov 28 j 21:09	12°♓42'11	-1°29'07	max. Earth dist.	-12495 Nov 07 j 10:19	16°♒19'57	1.36177 AU
minimum elong	-12496 Nov 28 j 22:44	12°♓50'24	1°28'45				
evening rise	-12496 Dec 06 j 06:33	28°♓13'02		superior conj	-12495 Nov 12 j 17:56	26°♒47'55	-1°36'03
	-12496 Dec 07 j 03:15	0°♊		minimum elong	-12495 Nov 12 j 18:34	26°♒51'07	1°35'36
asc. node	-12496 Dec 11 j 03:47	8°♊01'20			-12495 Nov 14 j 07:52	0°♓	
	-12496 Dec 25 j 23:16	0°♋		evening rise	-12495 Nov 20 j 13:27	12°♓46'22	
evening max el	-12496 Dec 26 j 12:58	0°♋32'45	21°28'38	asc. node	-12495 Nov 28 j 01:09	27°♓13'06	
retrograde	-12495 Jan 07 j 08:07	6°♋06'31			-12495 Nov 29 j 16:01	0°♊	
evening set	-12495 Jan 10 j 06:22	5°♋47'07		evening max el	-12495 Dec 08 j 19:33	12°♊05'15	20°09'59
inferior conj	-12495 Jan 19 j 05:56	1°♋46'38	2°15'53	retrograde	-12495 Dec 19 j 01:12	16°♊53'44	
minimum elong	-12495 Jan 19 j 11:08	1°♋39'13	2°14'02	evening set	-12495 Dec 21 j 16:29	16°♊36'01	
min. Earth dist.	-12495 Jan 19 j 17:11	1°♋30'34	0.55486 AU	inferior conj	-12495 Dec 30 j 06:52	12°♊34'24	3°33'36
	-12495 Jan 22 j 10:27	30°♌♋		minimum elong	-12495 Dec 30 j 12:08	12°♊26'21	3°32'28
desc. node	-12495 Jan 28 j 10:40	27°♋38'24		min. Earth dist.	-12494 Jan 01 j 06:07	11°♋22'32	0.56107 AU
morning rise	-12495 Jan 28 j 15:21	27°♋35'54		morning rise	-12494 Jan 08 j 06:01	8°♋04'07	
direct	-12495 Jan 31 j 10:56	27°♋18'12		direct	-12494 Jan 12 j 05:17	7°♋29'20	
	-12495 Feb 08 j 18:41	0°♌		desc. node	-12494 Jan 15 j 07:18	7°♋51'00	
morning max el	-12495 Feb 13 j 00:52	3°♌24'32	21°58'54	morning max el	-12494 Jan 25 j 18:55	14°♋13'25	23°34'35
	-12495 Mar 02 j 15:54	0°♍			-12494 Feb 06 j 22:19	0°♌	
morning set	-12495 Mar 06 j 00:41	6°♍49'45		morning set	-12494 Feb 18 j 12:38	21°♌51'21	
asc. node	-12495 Mar 09 j 01:25	13°♍10'44			-12494 Feb 22 j 08:34	0°♍	
				asc. node	-12494 Feb 23 j 22:36	3°♍24'24	
superior conj	-12495 Mar 13 j 08:52	22°♍15'44	0°39'12				
minimum elong	-12495 Mar 13 j 07:12	22°♍07'01	0°38'09	superior conj	-12494 Feb 25 j 14:45	6°♍59'48	0°15'40
max. Earth dist.	-12495 Mar 16 j 15:19	29°♍01'28	1.34649 AU	minimum elong	-12494 Feb 25 j 14:07	6°♍56'22	0°14'50
	-12495 Mar 17 j 02:49	0°♎		behind sun begin	-12494 Feb 25 j 12:20	6°♍46'50	
evening rise	-12495 Mar 21 j 13:01	8°♎46'26		behind sun end	-12494 Feb 25 j 15:53	7°♍05'53	
	-12495 Apr 02 j 10:08	0°♏		max. Earth dist.	-12494 Feb 27 j 17:48	11°♍31'27	1.33694 AU
	-12495 Apr 24 j 09:20	0°♐		evening rise	-12494 Mar 05 j 06:34	22°♍54'36	
evening max el	-12495 Apr 25 j 09:31	1°♐00'42	27°05'20		-12494 Mar 08 j 22:03	0°♎	
desc. node	-12495 Apr 26 j 10:25	2°♐00'19			-12494 Mar 27 j 03:46	0°♏	
retrograde	-12495 May 08 j 17:19	8°♐32'56		evening max el	-12494 Apr 07 j 19:46	13°♏59'08	27°26'56
evening set	-12495 May 15 j 12:15	5°♐47'29		desc. node	-12494 Apr 13 j 07:40	18°♏33'54	
min. Earth dist.	-12495 May 19 j 07:35	1°♐59'27	0.64889 AU	retrograde	-12494 Apr 21 j 13:28	21°♏34'13	
inferior conj	-12495 May 21 j 08:39	29°♐37'12	-3°15'11	evening set	-12494 Apr 28 j 11:50	19°♏00'21	
minimum elong	-12495 May 21 j 10:07	29°♐32'55	3°15'26	min. Earth dist.	-12494 May 02 j 04:01	15°♏43'43	0.63356 AU
	-12495 May 21 j 00:49	30°♑♑		inferior conj	-12494 May 04 j 19:34	12°♏57'26	-3°23'40
morning rise	-12495 May 27 j 08:24	24°♑02'30		minimum elong	-12494 May 04 j 19:49	12°♏56'45	3°24'14
direct	-12495 May 30 j 08:41	23°♑12'52		morning rise	-12494 May 11 j 04:47	7°♑40'14	
asc. node	-12495 Jun 05 j 01:43	25°♑58'18		direct	-12494 May 13 j 23:46	7°♑01'22	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning max el	-12494 May 20 j 11:35	10° \approx 24'38	18°06'01		-12493 Apr 13 j 08:41	30° \mathbb{R} 3	
asc. node	-12494 May 22 j 22:28	13° \approx 10'52		min. Earth dist.	-12493 Apr 14 j 15:21	28° \mathbb{Z} 54'18	0.61510 AU
	-12494 Jun 02 j 16:40	0° \mathbb{H}		inferior conj	-12493 Apr 17 j 18:46	25° \mathbb{Z} 59'49	-3°15'55
morning set	-12494 Jun 06 j 22:29	7° \mathbb{H} 20'30		minimum elong	-12493 Apr 17 j 17:21	26° \mathbb{Z} 03'07	3°16'30
				morning rise	-12493 Apr 24 j 16:16	21° \mathbb{Z} 01'51	
superior conj	-12494 Jun 19 j 14:16	28° \mathbb{H} 48'54	1°38'56	direct	-12493 Apr 27 j 06:34	20° \mathbb{Z} 32'25	
minimum elong	-12494 Jun 19 j 18:44	29° \mathbb{H} 07'19	1°38'39	morning max el	-12493 May 04 j 01:18	23° \mathbb{Z} 56'18	18°04'01
	-12494 Jun 20 j 07:32	0° \mathbb{Y}			-12493 May 08 j 22:54	0° \approx	
max. Earth dist.	-12494 Jun 25 j 03:56	7° \mathbb{Y} 53'23	1.43606 AU	asc. node	-12493 May 09 j 19:16	1° \approx 16'02	
evening rise	-12494 Jul 05 j 15:00	24° \mathbb{Y} 25'14		morning set	-12493 May 20 j 10:21	19° \approx 37'37	
	-12494 Jul 09 j 05:35	0° \mathbb{Z}			-12493 May 26 j 04:26	0° \mathbb{H}	
desc. node	-12494 Jul 10 j 04:18	1° \mathbb{Z} 27'15					
	-12494 Jul 29 j 22:31	0° \mathbb{II}		superior conj	-12493 May 31 j 10:26	9° \mathbb{H} 13'29	1°48'47
evening max el	-12494 Aug 02 j 11:11	4° \mathbb{II} 00'45	20°28'26	minimum elong	-12493 May 31 j 11:07	9° \mathbb{H} 16'24	1°48'28
retrograde	-12494 Aug 10 j 08:57	8° \mathbb{II} 37'35		max. Earth dist.	-12493 Jun 07 j 12:50	21° \mathbb{H} 13'13	1.42226 AU
evening set	-12494 Aug 14 j 04:02	7° \mathbb{II} 14'47			-12493 Jun 12 j 22:28	0° \mathbb{Y}	
asc. node	-12494 Aug 18 j 23:42	1° \mathbb{II} 58'41		evening rise	-12493 Jun 14 j 17:34	2° \mathbb{Y} 51'32	
inferior conj	-12494 Aug 19 j 13:58	1° \mathbb{II} 10'52	0°11'09	desc. node	-12493 Jun 27 j 01:51	21° \mathbb{Y} 48'30	
minimum elong	-12494 Aug 19 j 13:42	1° \mathbb{II} 11'45	0°11'44		-12493 Jul 02 j 16:38	0° \mathbb{Z}	
transit middle	-12494 Aug 19 j 13:42	1° \mathbb{II} 11'45	0°11'44	evening max el	-12493 Jul 16 j 07:36	17° \mathbb{Z} 24'01	21°40'33
transit begin	-12494 Aug 19 j 11:47	1° \mathbb{II} 18'11		retrograde	-12493 Jul 25 j 04:55	22° \mathbb{Z} 39'12	
transit end	-12494 Aug 19 j 15:37	1° \mathbb{II} 05'18		evening set	-12493 Jul 29 j 12:40	20° \mathbb{Z} 56'04	
	-12494 Aug 20 j 11:03	30° \mathbb{R} 8		inferior conj	-12493 Aug 03 j 19:06	14° \mathbb{Z} 45'43	-0°38'11
min. Earth dist.	-12494 Aug 20 j 08:05	0° \mathbb{II} 09'56	0.66685 AU	minimum elong	-12493 Aug 03 j 19:53	14° \mathbb{Z} 43'02	0°37'21
morning rise	-12494 Aug 24 j 23:11	24° \mathbb{Z} 49'40		min. Earth dist.	-12493 Aug 04 j 02:39	14° \mathbb{Z} 19'42	0.67109 AU
direct	-12494 Aug 30 j 09:31	22° \mathbb{Z} 31'33		asc. node	-12493 Aug 05 j 20:34	11° \mathbb{Z} 58'38	
morning max el	-12494 Sep 10 j 19:11	29° \mathbb{Z} 19'47	24°37'34	morning rise	-12493 Aug 09 j 02:58	8° \mathbb{Z} 25'06	
	-12494 Sep 11 j 10:54	0° \mathbb{II}		direct	-12493 Aug 13 j 23:20	6° \mathbb{Z} 24'31	
	-12494 Oct 03 j 21:10	0° \mathbb{Z}		morning max el	-12493 Aug 24 j 06:03	12° \mathbb{Z} 35'57	23°14'17
desc. node	-12494 Oct 06 j 02:10	3° \mathbb{Z} 26'12			-12493 Sep 07 j 02:53	0° \mathbb{II}	
morning set	-12494 Oct 16 j 12:23	20° \mathbb{Z} 41'49		desc. node	-12493 Sep 22 j 23:10	23° \mathbb{II} 50'13	
max. Earth dist.	-12494 Oct 20 j 11:39	27° \mathbb{Z} 45'24	1.37990 AU		-12493 Sep 26 j 18:24	0° \mathbb{Z}	
	-12494 Oct 21 j 17:09	0° \mathbb{Q}		morning set	-12493 Sep 27 j 14:35	1° \mathbb{Z} 23'18	
				max. Earth dist.	-12493 Oct 02 j 10:42	9° \mathbb{Z} 33'54	1.39960 AU
superior conj	-12494 Oct 27 j 04:09	10° \mathbb{Q} 17'27	-1°36'10				
minimum elong	-12494 Oct 27 j 03:18	10° \mathbb{Q} 13'20	1°35'34	superior conj	-12493 Oct 09 j 23:25	22° \mathbb{Z} 58'40	-1°27'28
evening rise	-12494 Nov 04 j 15:17	26° \mathbb{Q} 59'46		minimum elong	-12493 Oct 09 j 20:46	22° \mathbb{Z} 46'31	1°26'35
	-12494 Nov 06 j 03:48	0° \mathbb{P}			-12493 Oct 13 j 17:52	0° \mathbb{Q}	
asc. node	-12494 Nov 14 j 22:32	15° \mathbb{P} 50'23		evening rise	-12493 Oct 19 j 09:28	10° \mathbb{Q} 46'31	
evening max el	-12494 Nov 21 j 12:26	24° \mathbb{P} 12'11	19°09'39		-12493 Oct 30 j 04:19	0° \mathbb{P}	
retrograde	-12494 Nov 30 j 07:44	28° \mathbb{P} 24'24		asc. node	-12493 Nov 01 j 19:52	3° \mathbb{P} 42'10	
evening set	-12494 Dec 02 j 19:51	28° \mathbb{P} 05'27		evening max el	-12493 Nov 04 j 14:46	6° \mathbb{P} 50'52	18°29'36
inferior conj	-12494 Dec 10 j 22:08	23° \mathbb{P} 49'37	4°12'14	retrograde	-12493 Nov 12 j 07:45	10° \mathbb{P} 38'41	
minimum elong	-12494 Dec 11 j 00:06	23° \mathbb{P} 46'14	4°12'12	evening set	-12493 Nov 14 j 18:49	10° \mathbb{P} 16'43	
min. Earth dist.	-12494 Dec 13 j 19:50	21° \mathbb{P} 49'55	0.57418 AU	inferior conj	-12493 Nov 22 j 08:30	5° \mathbb{P} 40'51	4°14'31
morning rise	-12494 Dec 19 j 02:19	18° \mathbb{P} 55'03		minimum elong	-12493 Nov 22 j 06:56	5° \mathbb{P} 43'56	4°14'46
direct	-12494 Dec 24 j 09:52	17° \mathbb{P} 49'18		min. Earth dist.	-12493 Nov 25 j 13:13	3° \mathbb{P} 09'03	0.59142 AU
desc. node	-12493 Jan 02 j 03:55	20° \mathbb{P} 43'27		morning rise	-12493 Nov 29 j 17:16	0° \mathbb{P} 24'15	
morning max el	-12493 Jan 07 j 09:37	24° \mathbb{P} 55'37	25°09'08		-12493 Nov 30 j 12:43	30° \mathbb{R} Q	
	-12493 Jan 12 j 02:25	0° \mathbb{Q}		direct	-12493 Dec 06 j 02:28	28° \mathbb{Q} 40'43	
	-12493 Jan 30 j 15:56	0° \mathbb{P}			-12493 Dec 11 j 19:26	0° \mathbb{P}	
morning set	-12493 Feb 03 j 01:07	6° \mathbb{P} 56'24		morning max el	-12493 Dec 20 j 03:22	5° \mathbb{P} 58'43	26°27'33
				desc. node	-12493 Dec 20 j 00:31	5° \mathbb{P} 51'54	
superior conj	-12493 Feb 10 j 00:24	21° \mathbb{P} 56'58	-0°07'38		-12492 Jan 06 j 23:23	0° \mathbb{Q}	
minimum elong	-12493 Feb 10 j 00:44	21° \mathbb{P} 58'49	0°08'11	morning set	-12492 Jan 18 j 12:23	21° \mathbb{Q} 58'34	
behind sun begin	-12493 Feb 09 j 20:23	21° \mathbb{P} 35'10			-12492 Jan 22 j 06:43	0° \mathbb{P}	
behind sun end	-12493 Feb 10 j 05:06	22° \mathbb{P} 22'26					
asc. node	-12493 Feb 10 j 19:50	23° \mathbb{P} 42'18		superior conj	-12492 Jan 25 j 12:01	7° \mathbb{P} 01'00	-0°29'49
max. Earth dist.	-12493 Feb 11 j 03:11	24° \mathbb{P} 22'09	1.33081 AU	minimum elong	-12492 Jan 25 j 13:11	7° \mathbb{P} 07'22	0°30'04
	-12493 Feb 13 j 18:10	0° \mathbb{Z}		max. Earth dist.	-12492 Jan 25 j 16:10	7° \mathbb{P} 23'40	1.32803 AU
evening rise	-12493 Feb 17 j 07:58	7° \mathbb{Z} 27'29		asc. node	-12492 Jan 28 j 17:09	14° \mathbb{P} 00'37	
	-12493 Mar 01 j 10:37	0° \mathbb{Z}		evening rise	-12492 Feb 01 j 14:40	22° \mathbb{P} 16'44	
evening max el	-12493 Mar 21 j 02:55	26° \mathbb{Z} 28'03	27°16'48		-12492 Feb 05 j 10:24	0° \mathbb{Z}	
	-12493 Mar 25 j 05:15	0° \approx			-12492 Feb 23 j 19:46	0° \mathbb{Z}	
desc. node	-12493 Mar 31 j 04:51	3° \approx 19'25		evening max el	-12492 Mar 02 j 05:15	8° \mathbb{Z} 21'13	26°34'03
retrograde	-12493 Apr 04 j 03:00	4° \approx 00'25		retrograde	-12492 Mar 16 j 08:22	15° \mathbb{Z} 45'11	
evening set	-12493 Apr 10 j 20:18	1° \approx 50'51		desc. node	-12492 Mar 17 j 01:55	15° \mathbb{Z} 43'49	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12492 Mar 22 j 10:50	14° Z 09'00		min. Earth dist.	-12491 Mar 08 j 15:53	22° Z 45'51	0.57666 AU
min. Earth dist.	-12492 Mar 26 j 18:42	11° Z 17'58	0.59527 AU	inferior conj	-12491 Mar 11 j 16:07	20° Z 39'57	-1°49'29
inferior conj	-12492 Mar 30 j 02:43	8° Z 36'48	-2°46'23	minimum elong	-12491 Mar 11 j 12:49	20° Z 45'45	1°49'24
minimum elong	-12492 Mar 29 j 23:43	8° Z 42'55	2°46'38	morning rise	-12491 Mar 19 j 22:09	16° Z 20'05	
morning rise	-12492 Apr 06 j 15:24	3° Z 58'30		direct	-12491 Mar 22 j 03:38	16° Z 04'40	
direct	-12492 Apr 09 j 01:05	3° Z 37'04		morning max el	-12491 Mar 30 j 18:01	20° Z 10'16	18°57'14
morning max el	-12492 Apr 16 j 12:27	7° Z 14'39	18°20'52		-12491 Apr 07 j 06:26	0° Z	
asc. node	-12492 Apr 25 j 16:07	20° Z 01'58		asc. node	-12491 Apr 12 j 13:02	9° Z 19'03	
	-12492 May 01 j 03:37	0° \approx		morning set	-12491 Apr 16 j 07:33	16° Z 34'42	
morning set	-12492 May 02 j 14:49	2° \approx 45'50			-12491 Apr 23 j 04:15	0° \approx	
superior conj	-12492 May 12 j 07:54	20° \approx 54'04	1°45'19	superior conj	-12491 Apr 25 j 01:31	3° \approx 37'17	1°32'38
minimum elong	-12492 May 12 j 05:56	20° \approx 45'08	1°44'44	minimum elong	-12491 Apr 24 j 22:31	3° \approx 22'57	1°31'44
	-12492 May 17 j 10:25	0° X		max. Earth dist.	-12491 May 01 j 15:55	15° \approx 51'30	1.38609 AU
max. Earth dist.	-12492 May 19 j 15:46	3° X 50'53	1.40480 AU	evening rise	-12491 May 05 j 18:19	23° \approx 05'19	
evening rise	-12492 May 24 j 16:09	12° X 16'51			-12491 May 09 j 20:09	0° X	
	-12492 Jun 04 j 21:08	0° Y			-12491 May 29 j 16:07	0° Y	
desc. node	-12492 Jun 12 j 23:25	11° Y 53'57		desc. node	-12491 May 30 j 20:56	1° Y 36'45	
	-12492 Jun 27 j 04:35	0° B		evening max el	-12491 Jun 10 j 08:13	14° Y 04'23	24°23'24
evening max el	-12492 Jun 27 j 21:44	0° B 44'05	23°01'03	retrograde	-12491 Jun 21 j 12:41	20° Y 41'33	
retrograde	-12492 Jul 07 j 22:32	6° B 41'39		evening set	-12491 Jun 27 j 01:19	18° Y 17'19	
evening set	-12492 Jul 12 j 20:24	4° B 37'18		min. Earth dist.	-12491 Jul 01 j 16:50	12° Y 50'22	0.67052 AU
	-12492 Jul 16 j 21:14	30° K Y		inferior conj	-12491 Jul 02 j 07:14	12° Y 01'33	-2°04'19
inferior conj	-12492 Jul 18 j 01:27	28° Y 23'07	-1°23'46	minimum elong	-12491 Jul 02 j 09:20	11° Y 54'26	2°03'33
minimum elong	-12492 Jul 18 j 03:02	28° Y 17'37	1°22'52	morning rise	-12491 Jul 07 j 17:18	5° Y 53'19	
min. Earth dist.	-12492 Jul 17 j 22:22	28° Y 33'44	0.67239 AU	asc. node	-12491 Jul 09 j 14:07	4° Y 50'14	
asc. node	-12492 Jul 22 j 17:23	22° Y 41'47		direct	-12491 Jul 11 j 13:53	4° Y 27'47	
morning rise	-12492 Jul 23 j 09:35	22° Y 06'53		morning max el	-12491 Jul 19 j 16:07	9° Y 15'06	20°36'47
direct	-12492 Jul 27 j 17:13	20° Y 24'15			-12491 Aug 04 j 03:08	0° B	
morning max el	-12492 Aug 05 j 20:14	25° Y 53'07	21°51'45	morning set	-12491 Aug 16 j 20:37	19° B 26'04	
	-12492 Aug 09 j 11:56	0° B			-12491 Aug 23 j 13:47	0° II	
	-12492 Aug 30 j 16:10	0° II		desc. node	-12491 Aug 26 j 17:28	5° II 02'59	
morning set	-12492 Sep 06 j 14:42	10° II 49'33		max. Earth dist.	-12491 Aug 26 j 22:40	5° II 23'56	1.43357 AU
desc. node	-12492 Sep 08 j 20:15	14° II 23'41		superior conj	-12491 Sep 01 j 19:00	14° II 57'21	-0°35'47
max. Earth dist.	-12492 Sep 13 j 13:22	22° II 05'30	1.41839 AU	minimum elong	-12491 Sep 01 j 15:46	14° II 43'57	0°34'39
	-12492 Sep 18 j 06:08	0° E			-12491 Sep 10 j 16:10	0° E	
superior conj	-12492 Sep 20 j 22:11	4° E 36'23	-1°07'46	evening rise	-12491 Sep 14 j 08:13	6° E 22'50	
minimum elong	-12492 Sep 20 j 18:12	4° E 19'05	1°06'35		-12491 Sep 28 j 19:19	0° O	
evening rise	-12492 Oct 01 j 16:35	23° E 57'33		evening max el	-12491 Oct 01 j 12:50	3° O 10'37	18°08'53
	-12492 Oct 04 j 23:55	0° O		asc. node	-12491 Oct 05 j 14:21	6° O 09'31	
evening max el	-12492 Oct 17 j 23:53	19° O 52'48	18°09'37	retrograde	-12491 Oct 08 j 04:34	6° O 43'09	
asc. node	-12492 Oct 18 j 17:10	20° O 33'47		evening set	-12491 Oct 10 j 19:13	6° O 09'31	
retrograde	-12492 Oct 24 j 23:53	23° O 27'48		inferior conj	-12491 Oct 17 j 09:10	0° O 52'07	3°12'01
evening set	-12492 Oct 27 j 11:45	23° O 01'03		minimum elong	-12491 Oct 17 j 05:20	1° O 02'00	3°11'43
inferior conj	-12492 Nov 03 j 13:07	18° O 03'43	3°51'06		-12491 Oct 18 j 05:17	30° R E	
minimum elong	-12492 Nov 03 j 09:38	18° O 11'39	3°51'03	min. Earth dist.	-12491 Oct 19 j 22:23	28° E 14'49	0.62726 AU
min. Earth dist.	-12492 Nov 06 j 13:11	15° O 20'04	0.60990 AU	morning rise	-12491 Oct 23 j 14:29	25° E 00'27	
morning rise	-12492 Nov 10 j 06:10	12° O 28'19		direct	-12491 Oct 30 j 15:36	22° E 24'20	
direct	-12492 Nov 17 j 05:04	10° O 12'18			-12491 Nov 13 j 11:13	0° O	
morning max el	-12492 Dec 01 j 03:09	17° O 37'10	27°17'46	morning max el	-12491 Nov 13 j 08:49	29° E 54'09	27°33'54
desc. node	-12492 Dec 05 j 21:05	22° O 41'37		desc. node	-12491 Nov 22 j 17:42	10° O 44'35	
	-12492 Dec 11 j 14:11	0° P			-12491 Dec 05 j 11:18	0° P	
	-12492 Dec 29 j 11:12	0° A		morning set	-12491 Dec 16 j 23:08	21° P 21'28	
morning set	-12491 Jan 01 j 20:28	6° A 49'30			-12491 Dec 21 j 03:22	0° A	
max. Earth dist.	-12491 Jan 08 j 05:01	20° A 22'05	1.32856 AU	max. Earth dist.	-12491 Dec 22 j 14:11	3° A 05'05	1.33263 AU
superior conj	-12491 Jan 08 j 23:48	22° A 04'26	-0°50'15	superior conj	-12491 Dec 24 j 10:05	7° A 00'58	-1°08'09
minimum elong	-12491 Jan 09 j 01:33	22° A 13'58	0°50'13	minimum elong	-12491 Dec 24 j 12:06	7° A 11'50	1°07'57
	-12491 Jan 12 j 15:11	0° M		evening rise	-12491 Dec 31 j 11:39	22° A 11'48	
asc. node	-12491 Jan 14 j 14:31	4° M 14'11		asc. node	-12490 Jan 01 j 11:54	24° A 18'19	
evening rise	-12491 Jan 16 j 00:29	7° M 13'40			-12490 Jan 04 j 07:16	0° M	
	-12491 Jan 28 j 02:28	0° J			-12490 Jan 24 j 05:22	0° J	
evening max el	-12491 Feb 12 j 02:13	19° J 39'19	25°23'07	evening max el	-12490 Jan 24 j 19:40	0° J 34'22	23°53'55
retrograde	-12491 Feb 26 j 03:08	26° J 46'58		retrograde	-12490 Feb 07 j 09:22	7° J 14'53	
evening set	-12491 Mar 03 j 06:42	25° J 44'42		evening set	-12490 Feb 11 j 11:38	6° J 37'52	
desc. node	-12491 Mar 03 j 22:51	25° J 27'48		min. Earth dist.	-12490 Feb 18 j 08:53	3° J 19'51	0.56237 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12490 Feb 18 j 19:42	3°♂03'24		retrograde	-12489 Jan 19 j 04:35	17°♂29'52	
inferior conj	-12490 Feb 20 j 09:51	2°♂04'40	-0°24'01	evening set	-12489 Jan 22 j 10:23	17°♂06'42	
minimum elong	-12490 Feb 20 j 08:52	2°♂06'11	0°24'23	min. Earth dist.	-12489 Jan 30 j 23:44	13°♂16'02	0.55513 AU
	-12490 Feb 23 j 23:11	30°♂		inferior conj	-12489 Jan 31 j 12:10	12°♂58'11	1°18'42
morning rise	-12490 Mar 01 j 08:40	27°♂58'23		minimum elong	-12489 Jan 31 j 15:27	12°♂53'30	1°17'09
direct	-12490 Mar 03 j 12:22	27°♂46'14		desc. node	-12489 Feb 05 j 16:27	10°♂14'25	
	-12490 Mar 10 j 10:12	0°♂		morning rise	-12489 Feb 09 j 21:19	8°♂53'53	
morning max el	-12490 Mar 13 j 15:00	2°♂33'37	19°53'24	direct	-12489 Feb 12 j 06:55	8°♂40'35	
asc. node	-12490 Mar 30 j 10:00	28°♂59'29		morning max el	-12489 Feb 24 j 01:12	14°♂18'23	21°08'30
	-12490 Mar 30 j 22:07	0°♂			-12489 Mar 07 j 13:23	0°♂	
morning set	-12490 Mar 31 j 08:56	0°♂54'19		morning set	-12489 Mar 15 j 16:13	15°♂36'42	
				asc. node	-12489 Mar 17 j 07:05	18°♂57'25	
					-12489 Mar 22 j 14:29	0°♂	
superior conj	-12490 Apr 08 j 10:04	17°♂08'48	1°14'12				
minimum elong	-12490 Apr 08 j 07:09	16°♂54'18	1°13'05	superior conj	-12489 Mar 23 j 05:25	1°♂17'00	0°52'30
max. Earth dist.	-12490 Apr 13 j 18:49	27°♂34'13	1.36843 AU	minimum elong	-12489 Mar 23 j 03:13	1°♂05'37	0°51'22
	-12490 Apr 15 j 01:49	0°♂		max. Earth dist.	-12489 Mar 27 j 05:38	9°♂24'17	1.35350 AU
evening rise	-12490 Apr 17 j 21:07	5°♂09'40		evening rise	-12489 Mar 31 j 18:57	18°♂14'46	
	-12490 May 02 j 18:09	0°♂			-12489 Apr 07 j 06:12	0°♂	
desc. node	-12490 May 17 j 18:25	20°♂47'11			-12489 Apr 26 j 21:17	0°♂	
evening max el	-12490 May 23 j 17:49	27°♂25'37	25°39'22		-12489 May 04 j 15:47	9°♂12'25	
	-12490 May 26 j 12:27	0°♂		desc. node	-12489 May 06 j 04:07	10°♂45'01	26°40'13
retrograde	-12490 Jun 04 j 22:35	4°♂33'38		evening max el	-12489 May 06 j 04:07	10°♂45'01	26°40'13
evening set	-12490 Jun 11 j 01:19	1°♂54'00		retrograde	-12489 May 19 j 03:48	18°♂12'20	
	-12490 Jun 12 j 22:37	30°♂		evening set	-12489 May 25 j 18:07	15°♂25'31	
min. Earth dist.	-12490 Jun 15 j 07:39	27°♂06'09	0.66516 AU	min. Earth dist.	-12489 May 29 j 16:44	11°♂16'42	0.65597 AU
inferior conj	-12490 Jun 16 j 10:36	25°♂38'38	-2°38'30	inferior conj	-12489 May 31 j 09:33	9°♂12'32	-3°04'40
minimum elong	-12490 Jun 16 j 12:50	25°♂31'21	2°38'04	minimum elong	-12489 May 31 j 11:28	9°♂06'43	3°04'39
morning rise	-12490 Jun 22 j 00:23	19°♂41'31		morning rise	-12489 Jun 06 j 05:04	3°♂29'09	
direct	-12490 Jun 25 j 11:44	18°♂31'31		direct	-12489 Jun 09 j 08:52	2°♂32'46	
asc. node	-12490 Jun 26 j 10:50	18°♂36'40		asc. node	-12489 Jun 13 j 07:33	3°♂55'07	
morning max el	-12490 Jul 02 j 18:31	22°♂43'31	19°33'56	morning max el	-12489 Jun 16 j 02:43	6°♂18'13	18°46'13
	-12490 Jul 08 j 16:10	0°♂			-12489 Jul 02 j 10:34	0°♂	
morning set	-12490 Jul 27 j 02:22	28°♂03'22		morning set	-12489 Jul 07 j 01:37	7°♂29'01	
	-12490 Jul 28 j 08:07	0°♂			-12489 Jul 21 j 03:28	0°♂	
max. Earth dist.	-12490 Aug 09 j 13:10	19°♂14'43	1.44304 AU				
				superior conj	-12489 Jul 22 j 13:30	2°♂14'44	0°50'53
superior conj	-12490 Aug 12 j 12:33	23°♂59'11	0°06'31	minimum elong	-12489 Jul 22 j 19:08	2°♂37'01	0°50'41
minimum elong	-12490 Aug 12 j 13:23	24°♂02'29	0°07'01	max. Earth dist.	-12489 Jul 23 j 05:32	3°♂18'11	1.44572 AU
behind sun begin	-12490 Aug 12 j 03:17	23°♂22'06		desc. node	-12489 Jul 31 j 12:10	16°♂24'12	
behind sun end	-12490 Aug 12 j 23:29	24°♂42'54		evening rise	-12489 Aug 07 j 19:05	27°♂59'37	
desc. node	-12490 Aug 13 j 14:47	25°♂44'10			-12489 Aug 09 j 01:16	0°♂	
	-12490 Aug 16 j 06:22	0°♂			-12489 Aug 29 j 11:16	0°♂	
evening rise	-12490 Aug 27 j 02:49	17°♂48'03		evening max el	-12489 Aug 29 j 14:08	0°♂07'23	19°01'34
	-12490 Sep 03 j 11:16	0°♂		retrograde	-12489 Sep 05 j 11:57	4°♂02'02	
evening max el	-12490 Sep 15 j 02:32	16°♂37'14	18°26'33	evening set	-12489 Sep 08 j 14:52	3°♂06'13	
retrograde	-12490 Sep 21 j 17:45	20°♂16'27		asc. node	-12489 Sep 09 j 08:30	2°♂37'13	
asc. node	-12490 Sep 22 j 11:28	20°♂13'29			-12489 Sep 12 j 03:53	30°♂	
evening set	-12490 Sep 24 j 13:23	19°♂33'19		inferior conj	-12489 Sep 14 j 10:19	27°♂18'02	1°32'59
inferior conj	-12490 Sep 30 j 17:15	13°♂58'52	2°24'26	minimum elong	-12489 Sep 14 j 08:11	27°♂24'38	1°32'58
minimum elong	-12490 Sep 30 j 14:03	14°♂08'02	2°24'09	min. Earth dist.	-12489 Sep 15 j 22:25	25°♂26'24	0.65403 AU
min. Earth dist.	-12490 Oct 02 j 17:46	11°♂40'34	0.64211 AU	morning rise	-12489 Sep 20 j 01:02	21°♂03'29	
morning rise	-12490 Oct 06 j 14:01	7°♂53'51		direct	-12489 Sep 26 j 09:07	18°♂24'15	
direct	-12490 Oct 13 j 09:06	5°♂10'47		morning max el	-12489 Oct 09 j 04:40	25°♂49'10	26°30'10
morning max el	-12490 Oct 26 j 18:12	12°♂42'19	27°16'26		-12489 Oct 13 j 02:32	0°♂	
desc. node	-12490 Nov 09 j 14:22	29°♂39'39		desc. node	-12489 Oct 27 j 11:05	19°♂11'31	
	-12490 Nov 09 j 20:03	0°♂			-12489 Nov 03 j 07:52	0°♂	
	-12490 Nov 27 j 21:55	0°♂		morning set	-12489 Nov 14 j 00:22	18°♂49'49	
morning set	-12490 Nov 30 j 17:38	5°♂25'26		max. Earth dist.	-12489 Nov 18 j 07:30	27°♂07'17	1.35277 AU
max. Earth dist.	-12490 Dec 05 j 16:00	15°♂21'55	1.34057 AU		-12489 Nov 19 j 18:12	0°♂	
superior conj	-12490 Dec 08 j 17:01	21°♂44'15	-1°22'41	superior conj	-12489 Nov 22 j 18:18	6°♂06'19	-1°32'47
minimum elong	-12490 Dec 08 j 18:53	21°♂54'10	1°22'22	minimum elong	-12489 Nov 22 j 19:32	6°♂12'43	1°32'24
	-12490 Dec 12 j 14:09	0°♂		evening rise	-12489 Nov 30 j 07:27	21°♂47'37	
evening rise	-12490 Dec 15 j 22:33	7°♂05'12			-12489 Dec 04 j 09:24	0°♂	
asc. node	-12490 Dec 19 j 09:18	14°♂07'43		asc. node	-12489 Dec 06 j 06:42	3°♂35'40	
	-12490 Dec 28 j 08:01	0°♂		evening max el	-12489 Dec 19 j 15:29	22°♂43'42	20°53'13
evening max el	-12489 Jan 06 j 14:17	11°♂28'40	22°19'54	retrograde	-12489 Dec 30 j 19:19	27°♂58'06	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12488 Jan 02 j 13:34	27° Ω 40'07		retrograde	-12488 Dec 10 j 16:51	9° Ω 03'07	
inferior conj	-12488 Jan 11 j 09:50	23° Ω 41'01	2°53'08	evening set	-12488 Dec 13 j 06:27	8° Ω 45'11	
minimum elong	-12488 Jan 11 j 15:36	23° Ω 32'35	2°51'24	inferior conj	-12488 Dec 21 j 15:56	4° Ω 39'07	3°54'52
min. Earth dist.	-12488 Jan 12 j 13:32	23° Ω 00'38	0.55647 AU	minimum elong	-12488 Dec 21 j 20:02	4° Ω 32'33	3°54'15
morning rise	-12488 Jan 20 j 16:26	19° Ω 22'51		min. Earth dist.	-12488 Dec 24 j 02:53	3° Ω 05'12	0.56597 AU
direct	-12488 Jan 23 j 22:05	18° Ω 59'46		morning rise	-12488 Dec 30 j 07:32	29° Π 58'16	
desc. node	-12488 Jan 23 j 13:08	19° Ω 00'04			-12488 Dec 30 j 05:28	30° Π	
morning max el	-12488 Feb 06 j 00:23	25° Ω 24'36	22°38'48	direct	-12487 Jan 03 j 20:51	29° Π 11'33	
	-12488 Feb 10 j 05:34	0° Π			-12487 Jan 08 j 11:03	0° Ω	
	-12488 Feb 27 j 20:39	0° Σ		desc. node	-12487 Jan 09 j 09:49	0° Ω 21'51	
morning set	-12488 Feb 28 j 03:02	0° Σ 33'13		morning max el	-12487 Jan 17 j 16:09	6° Ω 07'25	24°15'35
asc. node	-12488 Mar 03 j 04:14	9° Σ 06'43			-12487 Feb 03 j 17:05	0° Π	
				morning set	-12487 Feb 11 j 15:26	15° Π 36'59	
superior conj	-12488 Mar 06 j 08:14	15° Σ 50'36	0°29'15	asc. node	-12487 Feb 18 j 01:27	29° Π 22'42	
minimum elong	-12488 Mar 06 j 07:00	15° Σ 44'04	0°28'17		-12487 Feb 18 j 08:22	0° Σ	
max. Earth dist.	-12488 Mar 09 j 02:27	21° Σ 37'33	1.34199 AU				
	-12488 Mar 13 j 05:24	0° Σ		superior conj	-12487 Feb 18 j 16:00	0° Σ 41'15	0°05'44
evening rise	-12488 Mar 14 j 06:33	2° Σ 03'58		minimum elong	-12487 Feb 18 j 15:48	0° Σ 40'05	0°05'01
	-12488 Mar 30 j 04:13	0° \approx		behind sun begin	-12487 Feb 18 j 10:54	0° Σ 13'41	
evening max el	-12488 Apr 17 j 14:52	23° \approx 54'16	27°18'05	behind sun end	-12487 Feb 18 j 20:41	1° Σ 06'27	
desc. node	-12488 Apr 20 j 13:06	26° \approx 33'44		max. Earth dist.	-12487 Feb 20 j 08:12	4° Σ 17'04	1.33400 AU
	-12488 Apr 25 j 14:24	0° H		evening rise	-12487 Feb 26 j 03:51	16° Σ 24'14	
retrograde	-12488 May 01 j 03:45	1° H 29'28			-12487 Mar 05 j 06:08	0° Σ	
	-12488 May 06 j 06:48	30° R			-12487 Mar 24 j 22:04	0° \approx	
evening set	-12488 May 08 j 00:55	28° \approx 47'12		evening max el	-12487 Mar 31 j 00:16	6° \approx 41'57	27°26'38
min. Earth dist.	-12488 May 11 j 18:17	25° \approx 13'34	0.64279 AU	desc. node	-12487 Apr 07 j 10:21	12° \approx 25'21	
inferior conj	-12488 May 14 j 01:41	22° \approx 39'17	-3°20'32	retrograde	-12487 Apr 13 j 21:21	14° \approx 16'22	
minimum elong	-12488 May 14 j 02:42	22° \approx 36'25	3°20'55	evening set	-12487 Apr 20 j 18:29	11° \approx 51'44	
morning rise	-12488 May 20 j 05:10	17° \approx 11'53		min. Earth dist.	-12487 Apr 24 j 11:04	8° \approx 44'52	0.62602 AU
direct	-12488 May 23 j 02:57	16° \approx 27'11		inferior conj	-12487 Apr 27 j 08:04	5° \approx 52'59	-3°22'42
morning max el	-12488 May 29 j 14:55	19° \approx 55'50	18°15'30	minimum elong	-12487 Apr 27 j 07:39	5° \approx 54'01	3°23'19
asc. node	-12488 May 30 j 04:19	20° \approx 30'31		morning rise	-12487 May 03 j 22:08	0° \approx 43'30	
	-12488 Jun 06 j 04:19	0° H		direct	-12487 May 06 j 15:00	0° \approx 08'50	
morning set	-12488 Jun 17 j 01:58	18° H 04'05		morning max el	-12487 May 13 j 04:46	3° \approx 31'12	18°02'48
	-12488 Jun 24 j 05:12	0° Υ		asc. node	-12487 May 17 j 01:07	8° \approx 06'54	
				morning set	-12487 May 30 j 02:10	29° \approx 46'58	
superior conj	-12488 Jun 30 j 19:33	10° Υ 46'49	1°25'56		-12487 May 30 j 05:08	0° H	
minimum elong	-12488 Jul 01 j 01:43	11° Υ 11'45	1°25'35	superior conj	-12487 Jun 11 j 00:02	20° H 24'32	1°45'00
max. Earth dist.	-12488 Jul 04 j 20:55	17° Υ 17'26	1.44141 AU	minimum elong	-12487 Jun 11 j 02:52	20° H 36'25	1°44'45
	-12488 Jul 12 j 22:01	0° B			-12487 Jun 16 j 19:04	0° Υ	
evening rise	-12488 Jul 17 j 08:55	6° B 57'20		max. Earth dist.	-12487 Jun 17 j 08:58	0° Υ 56'34	1.43078 AU
desc. node	-12488 Jul 17 j 09:37	7° B 00'03		evening rise	-12487 Jun 26 j 09:02	15° Υ 16'34	
greatest brilliancy	-12488 Jul 29 j 17:49	25° B 58'36	-0.7m	desc. node	-12487 Jul 04 j 07:07	27° Υ 27'42	
	-12488 Aug 01 j 10:44	0° Π			-12487 Jul 05 j 23:28	0° B	
evening max el	-12488 Aug 11 j 21:11	13° Π 37'19	19°52'40	evening max el	-12487 Jul 25 j 21:46	27° B 03'24	20°57'55
retrograde	-12488 Aug 19 j 08:22	17° Π 56'07			-12487 Jul 29 j 06:04	0° Π	
evening set	-12488 Aug 22 j 20:53	16° Π 44'14		retrograde	-12487 Aug 03 j 04:50	1° Π 55'20	
asc. node	-12488 Aug 26 j 05:28	13° Π 31'08		evening set	-12487 Aug 07 j 05:07	0° Π 24'12	
inferior conj	-12488 Aug 28 j 09:45	10° Π 45'28	0°40'45		-12487 Aug 07 j 17:06	30° R	
minimum elong	-12488 Aug 28 j 08:49	10° Π 48'31	0°41'07	inferior conj	-12487 Aug 12 j 13:20	24° B 17'31	-0°10'09
min. Earth dist.	-12488 Aug 29 j 10:17	9° Π 24'58	0.66297 AU	minimum elong	-12487 Aug 12 j 13:32	24° B 16'49	0°09'27
morning rise	-12488 Sep 02 j 20:27	4° Π 25'29		transit middle	-12487 Aug 12 j 13:32	24° B 16'49	0°09'27
direct	-12488 Sep 08 j 15:04	1° Π 57'59		transit begin	-12487 Aug 12 j 11:19	24° B 24'24	
morning max el	-12488 Sep 20 j 14:38	9° Π 03'32	25°22'38	transit end	-12487 Aug 12 j 15:46	24° B 09'15	
	-12488 Oct 07 j 05:23	0° E		min. Earth dist.	-12487 Aug 13 j 02:59	23° B 31'02	0.66900 AU
desc. node	-12488 Oct 13 j 07:55	9° E 09'32		asc. node	-12487 Aug 13 j 02:22	23° B 33'06	
	-12488 Oct 25 j 20:33	0° Ω		morning rise	-12487 Aug 17 j 21:47	17° B 56'13	
morning set	-12488 Oct 26 j 14:45	1° Ω 21'18		direct	-12487 Aug 23 j 02:12	15° B 45'07	
max. Earth dist.	-12488 Oct 30 j 12:34	8° Ω 31'24	1.36905 AU	morning max el	-12487 Sep 03 j 00:28	22° B 18'24	24°02'33
					-12487 Sep 09 j 17:24	0° Π	
superior conj	-12488 Nov 05 j 11:06	19° Ω 58'32	-1°37'03	desc. node	-12487 Sep 30 j 04:49	29° Π 25'16	
minimum elong	-12488 Nov 05 j 11:10	19° Ω 58'51	1°36'34		-12487 Sep 30 j 13:34	0° E	
	-12488 Nov 10 j 10:47	0° Π		morning set	-12487 Oct 08 j 07:22	12° E 44'48	
evening rise	-12488 Nov 13 j 12:30	6° Π 13'23		max. Earth dist.	-12487 Oct 12 j 11:48	20° E 01'35	1.38821 AU
asc. node	-12488 Nov 22 j 04:05	22° Π 34'14			-12487 Oct 17 j 23:20	0° Ω	
	-12488 Nov 27 j 02:24	0° Ω					
evening max el	-12488 Dec 01 j 02:36	4° Ω 31'51	19°42'02				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12487 Oct 19 j 15:32	3°Ω08'53	-1°33'43	minimum elong	-12486 Oct 01 j 23:24	15°Ω09'20	1°19'33
minimum elong	-12487 Oct 19 j 13:56	3°Ω01'18	1°32'59		-12486 Oct 10 j 00:47	0°Ω	
evening rise	-12487 Oct 28 j 11:22	20°Ω15'40		evening rise	-12486 Oct 12 j 01:15	3°Ω47'53	
	-12487 Nov 02 j 13:24	0°൬		asc. node	-12486 Oct 26 j 22:44	28°Ω20'38	
asc. node	-12487 Nov 09 j 01:26	10°൬53'14		evening max el	-12486 Oct 28 j 05:13	29°Ω41'14	18°18'39
evening max el	-12487 Nov 13 j 23:46	16°൬52'48	18°50'11		-12486 Oct 28 j 13:00	0°൬	
retrograde	-12487 Nov 22 j 06:27	20°൬52'45		retrograde	-12486 Nov 04 j 13:51	3°൬22'29	
evening set	-12487 Nov 24 j 18:08	20°൬32'33		evening set	-12486 Nov 07 j 01:02	2°൬58'39	
inferior conj	-12487 Dec 02 j 15:02	16°൬08'34	4°17'04		-12486 Nov 12 j 05:08	30°ꣳΩ	
minimum elong	-12487 Dec 02 j 15:22	16°൬07'57	4°17'15	inferior conj	-12486 Nov 14 j 09:21	28°Ω13'11	4°07'07
min. Earth dist.	-12487 Dec 05 j 17:29	13°൬53'06	0.58123 AU	minimum elong	-12486 Nov 14 j 06:45	28°Ω18'40	4°07'15
morning rise	-12487 Dec 10 j 10:43	11°൬04'40		min. Earth dist.	-12486 Nov 17 j 13:00	25°Ω34'09	0.59927 AU
direct	-12487 Dec 16 j 06:44	9°൬42'52		morning rise	-12486 Nov 21 j 10:54	22°Ω48'17	
desc. node	-12487 Dec 27 j 06:26	14°൬15'38		direct	-12486 Nov 28 j 03:19	20°Ω50'06	
morning max el	-12487 Dec 30 j 07:13	16°൬54'16	25°45'15	morning max el	-12486 Dec 12 j 03:24	28°Ω10'44	26°53'03
	-12486 Jan 10 j 01:37	0°Ω			-12486 Dec 13 j 23:01	0°൬	
	-12486 Jan 26 j 19:42	0°൬		desc. node	-12486 Dec 14 j 03:01	0°൬10'29	
morning set	-12486 Jan 27 j 03:39	0°൬41'36			-12485 Jan 03 j 13:55	0°Ω	
				morning set	-12485 Jan 11 j 13:48	15°Ω39'42	
superior conj	-12486 Feb 03 j 02:43	15°൬41'59	-0°17'13		-12485 Jan 18 j 06:08	0°൬	
minimum elong	-12486 Feb 03 j 03:25	15°൬45'52	0°17'37				
max. Earth dist.	-12486 Feb 03 j 19:44	17°൬14'43	1.32930 AU	superior conj	-12485 Jan 18 j 14:33	0°൬46'02	-0°38'45
asc. node	-12486 Feb 04 j 22:44	19°൬41'15		minimum elong	-12485 Jan 18 j 16:00	0°൬53'56	0°38'52
	-12486 Feb 09 j 19:10	0°ꣳ		max. Earth dist.	-12485 Jan 18 j 09:16	0°൬17'10	1.32783 AU
evening rise	-12486 Feb 10 j 07:49	1°ꣳ05'21		asc. node	-12485 Jan 22 j 20:03	9°൬57'48	
	-12486 Feb 26 j 07:57	0°ꣳ		evening rise	-12485 Jan 25 j 16:03	15°൬58'22	
evening max el	-12486 Mar 13 j 05:50	18°ꣳ57'18	27°02'28		-12485 Feb 01 j 18:33	0°ꣳ	
desc. node	-12486 Mar 25 j 07:30	26°ꣳ15'20			-12485 Feb 22 j 15:33	0°ꣳ	
retrograde	-12486 Mar 27 j 07:22	26°ꣳ25'50		evening max el	-12485 Feb 23 j 05:43	0°ꣳ34'25	26°06'49
evening set	-12486 Apr 02 j 19:37	24°ꣳ30'01		retrograde	-12485 Mar 09 j 08:21	7°ꣳ52'29	
min. Earth dist.	-12486 Apr 06 j 18:52	21°ꣳ37'33	0.60676 AU	desc. node	-12485 Mar 12 j 04:33	7°ꣳ32'18	
inferior conj	-12486 Apr 10 j 01:18	18°ꣳ46'18	-3°06'26	evening set	-12485 Mar 15 j 02:07	6°ꣳ30'57	
minimum elong	-12486 Apr 09 j 23:09	18°ꣳ51'03	3°06'55	min. Earth dist.	-12485 Mar 19 j 19:00	3°ꣳ38'27	0.58707 AU
morning rise	-12486 Apr 17 j 04:53	13°ꣳ56'26		inferior conj	-12485 Mar 23 j 01:42	1°ꣳ09'42	-2°25'52
direct	-12486 Apr 19 j 17:22	13°ꣳ30'26		minimum elong	-12485 Mar 22 j 22:19	1°ꣳ16'09	2°25'56
morning max el	-12486 Apr 26 j 17:44	16°ꣳ58'18	18°08'47		-12485 Mar 24 j 15:02	30°ꣳꣳ	
asc. node	-12486 May 03 j 21:56	26°ꣳ30'57		morning rise	-12485 Mar 30 j 21:37	26°ꣳ39'50	
	-12486 May 05 j 23:58	0°≈		direct	-12485 Apr 02 j 05:35	26°ꣳ21'08	
morning set	-12486 May 12 j 21:46	12°≈28'01			-12485 Apr 09 j 23:23	0°ꣳ	
	-12486 May 22 j 12:46	0°ꣳ		morning max el	-12485 Apr 10 j 02:55	0°ꣳ08'20	18°33'57
				asc. node	-12485 Apr 20 j 18:48	15°ꣳ31'02	
superior conj	-12486 May 23 j 07:32	1°ꣳ23'05	1°48'41	morning set	-12485 Apr 26 j 07:56	25°ꣳ54'49	
minimum elong	-12486 May 23 j 06:53	1°ꣳ20'12	1°48'18		-12485 Apr 28 j 10:57	0°≈	
max. Earth dist.	-12486 May 30 j 15:53	14°ꣳ01'48	1.41521 AU				
evening rise	-12486 Jun 05 j 18:23	24°ꣳ03'08		superior conj	-12485 May 05 j 14:18	13°≈32'30	1°40'51
	-12486 Jun 09 j 12:11	0°ꣳ		minimum elong	-12485 May 05 j 11:43	13°≈20'31	1°40'07
desc. node	-12486 Jun 21 j 04:41	17°ꣳ43'06		max. Earth dist.	-12485 May 12 j 17:23	26°≈23'27	1.39687 AU
	-12486 Jun 29 j 22:49	0°ꣳ			-12485 May 14 j 19:23	0°ꣳ	
evening max el	-12486 Jul 08 j 15:24	10°ꣳ25'26	22°14'05	evening rise	-12485 May 17 j 04:34	4°ꣳ02'51	
retrograde	-12486 Jul 17 j 23:51	15°ꣳ57'52			-12485 Jun 02 j 17:09	0°ꣳ	
evening set	-12486 Jul 22 j 13:36	14°ꣳ05'32		desc. node	-12485 Jun 08 j 02:14	7°ꣳ39'54	
inferior conj	-12486 Jul 27 j 19:11	7°ꣳ53'23	-0°58'04	evening max el	-12485 Jun 21 j 03:28	23°ꣳ44'30	23°36'10
minimum elong	-12486 Jul 27 j 20:20	7°ꣳ49'23	0°57'11	retrograde	-12485 Jul 01 j 16:10	29°ꣳ59'49	
min. Earth dist.	-12486 Jul 27 j 22:13	7°ꣳ42'54	0.67209 AU	evening set	-12485 Jul 06 j 20:23	27°ꣳ46'22	
asc. node	-12486 Jul 30 j 23:13	3°ꣳ44'27		min. Earth dist.	-12485 Jul 11 j 17:38	21°ꣳ58'09	0.67204 AU
morning rise	-12486 Aug 02 j 03:00	1°ꣳ34'28		inferior conj	-12485 Jul 12 j 01:30	21°ꣳ31'06	-1°41'41
	-12486 Aug 04 j 20:18	30°ꣳꣳ		minimum elong	-12485 Jul 12 j 03:21	21°ꣳ24'44	1°40'48
direct	-12486 Aug 06 j 17:48	29°ꣳ41'37		morning rise	-12485 Jul 17 j 10:16	15°ꣳ18'02	
	-12486 Aug 08 j 17:26	0°ꣳ		asc. node	-12485 Jul 17 j 19:58	15°ꣳ00'06	
morning max el	-12486 Aug 16 j 12:24	5°ꣳ34'29	22°38'39	direct	-12485 Jul 21 j 12:54	13°ꣳ43'05	
	-12486 Sep 04 j 03:13	0°ꣳ		morning max el	-12485 Jul 30 j 04:58	18°ꣳ53'50	21°18'36
desc. node	-12486 Sep 17 j 01:49	19°ꣳ53'27			-12485 Aug 08 j 04:11	0°ꣳ	
morning set	-12486 Sep 18 j 22:10	22°ꣳ52'22			-12485 Aug 28 j 08:06	0°ꣳ	
	-12486 Sep 23 j 05:48	0°Ω		morning set	-12485 Aug 29 j 12:55	1°ꣳ52'48	
max. Earth dist.	-12486 Sep 24 j 12:17	2°Ω08'26	1.40793 AU	desc. node	-12485 Sep 03 j 22:58	10°ꣳ29'46	
				max. Earth dist.	-12485 Sep 06 j 17:56	15°ꣳ01'32	1.42540 AU
superior conj	-12486 Oct 02 j 02:45	15°Ω24'22	-1°20'35				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12485 Sep 13 j 14:59	26° Π 30'13	-0°55'40	superior conj	-12484 Aug 23 j 23:49	6° Π 15'59	-0°18'45
minimum elong	-12485 Sep 13 j 10:57	26° Π 13'04	0°54'27	minimum elong	-12484 Aug 23 j 21:55	6° Π 08'17	0°17'50
	-12485 Sep 15 j 15:55	0° Ξ		evening rise	-12484 Sep 06 j 09:49	28° Ξ 42'20	
evening rise	-12485 Sep 25 j 02:25	16° Ξ 41'05			-12484 Sep 07 j 03:59	0° Ξ	
	-12485 Oct 02 j 15:06	0° Ω		evening max el	-12484 Sep 24 j 05:53	26° Ξ 12'35	18°14'17
evening max el	-12485 Oct 11 j 16:16	12° Ω 50'24	18°07'00	asc. node	-12484 Sep 29 j 17:06	29° Ξ 40'06	
asc. node	-12485 Oct 13 j 19:57	14° Ω 41'52		retrograde	-12484 Sep 30 j 20:37	29° Ξ 46'57	
retrograde	-12485 Oct 18 j 11:57	16° Ω 23'37		evening set	-12484 Oct 03 j 13:02	29° Ξ 09'46	
evening set	-12485 Oct 21 j 00:36	15° Ω 54'21		inferior conj	-12484 Oct 09 j 22:32	23° Ξ 45'03	2°52'32
inferior conj	-12485 Oct 27 j 20:58	10° Ω 48'09	3°35'59	minimum elong	-12484 Oct 09 j 18:53	23° Ξ 54'54	2°52'13
minimum elong	-12485 Oct 27 j 17:11	10° Ω 57'18	3°35'48	min. Earth dist.	-12484 Oct 12 j 06:34	21° Ξ 14'14	0.63389 AU
min. Earth dist.	-12485 Oct 30 j 16:52	8° Ω 05'06	0.61742 AU	morning rise	-12484 Oct 15 j 23:50	17° Ξ 47'12	
morning rise	-12485 Nov 03 j 08:31	5° Ω 05'09		direct	-12484 Oct 22 j 23:17	15° Ξ 06'12	
direct	-12485 Nov 10 j 09:23	2° Ω 38'58		morning max el	-12484 Nov 05 j 13:38	22° Ξ 38'13	27°30'21
morning max el	-12485 Nov 24 j 06:09	10° Ω 07'01	27°29'03		-12484 Nov 12 j 05:10	0° Ω	
desc. node	-12485 Nov 30 j 23:35	17° Ω 34'27		desc. node	-12484 Nov 16 j 20:11	6° Ω 01'35	
	-12485 Dec 09 j 21:36	0° Π			-12484 Dec 02 j 00:13	0° Π	
morning set	-12485 Dec 26 j 19:54	0° Ξ 24'02		morning set	-12484 Dec 09 j 19:26	14° Π 44'59	
	-12485 Dec 26 j 15:11	0° Ξ		max. Earth dist.	-12484 Dec 15 j 03:12	25° Π 42'03	1.33543 AU
max. Earth dist.	-12484 Jan 01 j 21:01	13° Ξ 10'42	1.32974 AU				
				superior conj	-12484 Dec 17 j 11:00	0° Ξ 38'58	-1°14'47
superior conj	-12484 Jan 03 j 01:55	15° Ξ 47'28	-0°58'12	minimum elong	-12484 Dec 17 j 13:01	0° Ξ 49'44	1°14'32
minimum elong	-12484 Jan 03 j 03:50	15° Ξ 57'49	0°58'05		-12484 Dec 17 j 03:43	0° Ξ	
asc. node	-12484 Jan 09 j 17:25	0° Π 08'02		evening rise	-12484 Dec 24 j 13:51	15° Ξ 52'46	
	-12484 Jan 09 j 15:54	0° Π		asc. node	-12484 Dec 26 j 14:48	20° Ξ 06'14	
evening rise	-12484 Jan 10 j 02:38	0° Π 56'31			-12484 Dec 31 j 16:59	0° Π	
	-12484 Jan 26 j 07:17	0° Ξ		evening max el	-12483 Jan 16 j 17:53	22° Π 31'38	23°13'51
evening max el	-12484 Feb 05 j 00:34	11° Ξ 40'02	24°46'42	retrograde	-12483 Jan 29 j 23:36	28° Π 56'50	
retrograde	-12484 Feb 18 j 22:20	18° Ξ 38'39		evening set	-12483 Feb 02 j 15:52	28° Π 27'17	
evening set	-12484 Feb 23 j 14:58	17° Ξ 48'19		min. Earth dist.	-12483 Feb 10 j 06:26	24° Π 57'04	0.55825 AU
desc. node	-12484 Feb 27 j 01:26	16° Ξ 14'02		inferior conj	-12483 Feb 11 j 16:52	24° Π 06'04	0°18'41
min. Earth dist.	-12484 Feb 29 j 14:11	14° Ξ 42'39	0.56985 AU	minimum elong	-12483 Feb 11 j 17:37	24° Π 04'57	0°17'50
inferior conj	-12484 Mar 03 j 06:38	12° Ξ 56'34	-1°16'29	desc. node	-12483 Feb 12 j 22:13	23° Π 22'53	
minimum elong	-12484 Mar 03 j 03:58	13° Ξ 00'59	1°16'27	morning rise	-12483 Feb 20 j 21:14	20° Π 02'03	
morning rise	-12484 Mar 11 j 20:12	8° Ξ 43'43		direct	-12483 Feb 23 j 01:56	19° Π 50'09	
direct	-12484 Mar 14 j 00:12	8° Ξ 30'15		morning max el	-12483 Mar 05 j 21:52	24° Π 59'11	20°23'07
morning max el	-12484 Mar 23 j 05:17	12° Ξ 51'59	19°18'42		-12483 Mar 10 j 08:14	0° Ξ	
	-12484 Apr 04 j 00:35	0° Ξ		morning set	-12483 Mar 24 j 08:55	24° Ξ 27'35	
asc. node	-12484 Apr 06 j 15:45	4° Ξ 58'51		asc. node	-12483 Mar 24 j 12:47	24° Ξ 47'14	
morning set	-12484 Apr 09 j 04:43	9° Ξ 57'40			-12483 Mar 27 j 01:55	0° Ξ	
				superior conj	-12483 Apr 01 j 04:29	10° Ξ 26'21	1°05'17
superior conj	-12484 Apr 17 j 14:53	26° Ξ 38'10	1°25'23	minimum elong	-12483 Apr 01 j 01:49	10° Ξ 12'52	1°04'08
minimum elong	-12484 Apr 17 j 11:49	26° Ξ 23'15	1°24'21	max. Earth dist.	-12483 Apr 05 j 22:59	19° Ξ 53'08	1.36171 AU
	-12484 Apr 19 j 08:45	0° \approx		evening rise	-12483 Apr 10 j 05:29	27° Ξ 57'49	
max. Earth dist.	-12484 Apr 23 j 17:27	8° \approx 11'17	1.37834 AU		-12483 Apr 11 j 08:07	0° \approx	
evening rise	-12484 Apr 27 j 17:51	15° \approx 25'21			-12483 Apr 29 j 16:04	0° Ξ	
	-12484 May 06 j 09:04	0° Ξ		desc. node	-12483 May 11 j 21:10	16° Ξ 03'35	
desc. node	-12484 May 24 j 23:45	27° Ξ 10'15		evening max el	-12483 May 15 j 23:05	20° Ξ 26'26	26°07'38
	-12484 May 27 j 05:50	0° Υ		retrograde	-12483 May 28 j 12:51	27° Ξ 44'09	
evening max el	-12484 Jun 02 j 13:06	7° Υ 04'27	24°56'55	evening set	-12483 Jun 03 j 20:46	25° Ξ 00'34	
retrograde	-12484 Jun 14 j 04:46	13° Υ 56'53		min. Earth dist.	-12483 Jun 07 j 23:42	20° Ξ 29'11	0.66172 AU
evening set	-12484 Jun 19 j 23:30	11° Υ 25'18		inferior conj	-12483 Jun 09 j 08:18	18° Ξ 45'50	-2°50'44
min. Earth dist.	-12484 Jun 24 j 10:54	6° Υ 14'37	0.66868 AU	minimum elong	-12483 Jun 09 j 10:28	18° Ξ 38'59	2°50'28
inferior conj	-12484 Jun 25 j 06:30	5° Υ 09'09	-2°19'43	morning rise	-12483 Jun 15 j 00:15	12° Ξ 53'56	
minimum elong	-12484 Jun 25 j 08:43	5° Υ 01'46	2°19'04	direct	-12483 Jun 18 j 08:11	11° Ξ 49'53	
	-12484 Jun 29 j 15:00	30° Υ		asc. node	-12483 Jun 20 j 13:26	12° Ξ 16'51	
morning rise	-12484 Jun 30 j 17:55	29° Ξ 05'09		morning max el	-12483 Jun 25 j 08:38	15° Ξ 49'40	19°11'34
asc. node	-12484 Jul 03 j 16:42	27° Ξ 49'38			-12483 Jul 05 j 21:19	0° Υ	
direct	-12484 Jul 04 j 10:14	27° Ξ 46'37		morning set	-12483 Jul 18 j 03:47	19° Υ 16'00	
	-12484 Jul 09 j 15:16	0° Υ			-12483 Jul 24 j 22:35	0° Ξ	
morning max el	-12484 Jul 12 j 03:39	2° Υ 18'26	20°08'14	max. Earth dist.	-12483 Aug 01 j 20:37	12° Ξ 31'16	1.44507 AU
	-12484 Jul 31 j 23:10	0° Ξ					
morning set	-12484 Aug 07 j 16:09	10° Ξ 22'18		superior conj	-12483 Aug 03 j 08:18	14° Ξ 52'41	0°25'45
max. Earth dist.	-12484 Aug 19 j 05:07	28° Ξ 33'19	1.43833 AU	minimum elong	-12483 Aug 03 j 11:24	15° Ξ 04'59	0°25'55
	-12484 Aug 20 j 02:45	0° Π		desc. node	-12483 Aug 07 j 17:33	21° Ξ 51'22	
desc. node	-12484 Aug 20 j 20:12	1° Π 10'06			-12483 Aug 12 j 19:22	0° Π	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12483 Aug 18 j 17:44	9° Π 37'31		desc. node	-12482 Jul 25 j 14:58	12° \mathcal{B} 29'58	
	-12483 Aug 31 j 10:10	0° \mathcal{E}		evening rise	-12482 Jul 29 j 22:13	19° \mathcal{B} 16'13	
evening max el	-12483 Sep 07 j 19:08	9° \mathcal{E} 41'50	18°39'26		-12482 Aug 05 j 18:15	0° Π	
retrograde	-12483 Sep 14 j 12:11	13° \mathcal{E} 26'08		evening max el	-12482 Aug 22 j 05:08	23° Π 12'16	19°21'23
asc. node	-12483 Sep 16 j 14:11	13° \mathcal{E} 01'50		retrograde	-12482 Aug 29 j 07:37	27° Π 15'43	
evening set	-12483 Sep 17 j 10:43	12° \mathcal{E} 37'57		evening set	-12482 Sep 01 j 14:28	26° Π 13'17	
inferior conj	-12483 Sep 23 j 10:48	6° \mathcal{E} 57'30	2°02'51	asc. node	-12482 Sep 03 j 11:12	24° Π 44'26	
minimum elong	-12483 Sep 23 j 08:01	7° \mathcal{E} 05'45	2°02'40	inferior conj	-12482 Sep 07 j 06:52	20° Π 20'06	1°10'46
min. Earth dist.	-12483 Sep 25 j 06:00	4° \mathcal{E} 49'49	0.64763 AU	minimum elong	-12482 Sep 07 j 05:15	20° Π 25'16	1°10'54
morning rise	-12483 Sep 29 j 04:45	0° \mathcal{E} 48'12		min. Earth dist.	-12482 Sep 08 j 13:50	18° Π 41'38	0.65828 AU
	-12483 Sep 30 j 06:02	30° \mathcal{R} Π		morning rise	-12482 Sep 12 j 19:41	14° Π 02'59	
direct	-12483 Oct 05 j 19:47	28° Π 05'25		direct	-12482 Sep 18 j 22:13	11° Π 28'14	
	-12483 Oct 11 j 23:41	0° \mathcal{E}		morning max el	-12482 Oct 01 j 09:51	18° Π 45'40	26°03'30
morning max el	-12483 Oct 18 j 23:31	5° \mathcal{E} 34'53	26°59'45		-12482 Oct 11 j 00:58	0° \mathcal{E}	
desc. node	-12483 Nov 03 j 16:54	25° \mathcal{E} 13'47		desc. node	-12482 Oct 21 j 13:40	14° \mathcal{E} 57'41	
	-12483 Nov 06 j 21:12	0° \mathcal{Q}			-12482 Oct 30 j 21:01	0° \mathcal{Q}	
morning set	-12483 Nov 23 j 09:22	28° \mathcal{Q} 32'51		morning set	-12482 Nov 06 j 09:44	11° \mathcal{Q} 35'53	
	-12483 Nov 24 j 03:23	0° \mathcal{M}		max. Earth dist.	-12482 Nov 10 j 11:45	19° \mathcal{Q} 18'53	1.35930 AU
max. Earth dist.	-12483 Nov 28 j 00:41	7° \mathcal{M} 44'03	1.34528 AU				
				superior conj	-12482 Nov 15 j 13:53	29° \mathcal{Q} 24'10	-1°35'25
superior conj	-12483 Dec 01 j 15:49	15° \mathcal{M} 13'51	-1°27'35	minimum elong	-12482 Nov 15 j 14:42	29° \mathcal{Q} 28'17	1°35'00
minimum elong	-12483 Dec 01 j 17:30	15° \mathcal{M} 22'36	1°27'15		-12482 Nov 15 j 20:58	0° \mathcal{M}	
	-12483 Dec 08 j 16:04	0° \mathcal{L}		evening rise	-12482 Nov 23 j 07:36	15° \mathcal{M} 17'49	
evening rise	-12483 Dec 09 j 00:05	0° \mathcal{L} 41'42		asc. node	-12482 Nov 30 j 09:35	29° \mathcal{M} 03'09	
asc. node	-12483 Dec 13 j 12:11	9° \mathcal{L} 46'48			-12482 Nov 30 j 22:22	0° \mathcal{L}	
	-12483 Dec 26 j 06:27	0° \mathcal{M}		evening max el	-12482 Dec 11 j 19:57	15° \mathcal{L} 00'10	20°20'39
evening max el	-12483 Dec 29 j 14:49	3° \mathcal{M} 32'13	21°41'31	retrograde	-12482 Dec 22 j 07:23	19° \mathcal{L} 55'20	
retrograde	-12482 Jan 10 j 15:04	9° \mathcal{M} 12'59		evening set	-12482 Dec 24 j 23:16	19° \mathcal{L} 37'38	
evening set	-12482 Jan 13 j 15:03	8° \mathcal{M} 52'49		inferior conj	-12481 Jan 02 j 15:15	15° \mathcal{L} 37'00	3°24'13
inferior conj	-12482 Jan 22 j 15:29	4° \mathcal{M} 50'53	2°01'32	minimum elong	-12481 Jan 02 j 20:48	15° \mathcal{L} 28'39	3°22'54
minimum elong	-12482 Jan 22 j 20:16	4° \mathcal{M} 44'02	1°59'42	min. Earth dist.	-12481 Jan 04 j 09:46	14° \mathcal{L} 33'13	0.55962 AU
min. Earth dist.	-12482 Jan 22 j 20:37	4° \mathcal{M} 43'32	0.55467 AU	morning rise	-12481 Jan 11 j 16:43	11° \mathcal{L} 10'08	
desc. node	-12482 Jan 30 j 18:59	1° \mathcal{M} 00'39		direct	-12481 Jan 15 j 11:03	10° \mathcal{L} 38'56	
morning rise	-12482 Feb 01 j 01:17	0° \mathcal{M} 42'23		desc. node	-12481 Jan 17 j 15:41	10° \mathcal{L} 49'52	
direct	-12482 Feb 03 j 17:54	0° \mathcal{M} 26'06		morning max el	-12481 Jan 28 j 22:17	17° \mathcal{L} 18'24	23°20'03
morning max el	-12482 Feb 16 j 02:58	6° \mathcal{M} 25'10	21°45'28		-12481 Feb 08 j 01:44	0° \mathcal{M}	
	-12482 Mar 04 j 02:55	0° \mathcal{X}		morning set	-12481 Feb 21 j 05:42	24° \mathcal{M} 17'06	
morning set	-12482 Mar 08 j 17:56	9° \mathcal{X} 16'18			-12481 Feb 23 j 22:31	0° \mathcal{X}	
asc. node	-12482 Mar 11 j 09:53	14° \mathcal{X} 50'05		asc. node	-12481 Feb 26 j 07:04	5° \mathcal{X} 02'51	
superior conj	-12482 Mar 16 j 03:17	24° \mathcal{X} 45'34	0°42'44	superior conj	-12481 Feb 28 j 08:30	9° \mathcal{X} 27'27	0°19'14
minimum elong	-12482 Mar 16 j 01:28	24° \mathcal{X} 36'07	0°41'39	minimum elong	-12481 Feb 28 j 07:42	9° \mathcal{X} 23'12	0°18'22
	-12482 Mar 18 j 16:10	0° \mathcal{Z}		max. Earth dist.	-12481 Mar 02 j 15:26	14° \mathcal{X} 18'40	1.33814 AU
max. Earth dist.	-12482 Mar 19 j 14:17	1° \mathcal{Z} 52'39	1.34818 AU	evening rise	-12481 Mar 08 j 01:52	25° \mathcal{X} 26'38	
evening rise	-12482 Mar 24 j 09:42	11° \mathcal{Z} 22'53			-12481 Mar 10 j 09:48	0° \mathcal{Z}	
	-12482 Apr 03 j 18:19	0° \mathcal{A}			-12481 Mar 28 j 05:24	0° \mathcal{A}	
	-12482 Apr 24 j 21:22	0° \mathcal{H}		evening max el	-12481 Apr 10 j 20:21	16° \mathcal{A} 44'41	27°25'34
evening max el	-12482 Apr 28 j 09:57	3° \mathcal{H} 43'22	26°59'40	desc. node	-12481 Apr 15 j 15:51	20° \mathcal{A} 51'21	
desc. node	-12482 Apr 28 j 18:33	4° \mathcal{H} 04'20		retrograde	-12481 Apr 24 j 12:53	24° \mathcal{A} 20'05	
retrograde	-12482 May 11 j 15:42	11° \mathcal{H} 14'23		evening set	-12481 May 01 j 11:15	21° \mathcal{A} 43'28	
evening set	-12482 May 18 j 09:40	8° \mathcal{H} 28'12		min. Earth dist.	-12481 May 05 j 03:30	18° \mathcal{A} 22'52	0.63608 AU
min. Earth dist.	-12482 May 22 j 05:47	4° \mathcal{H} 34'59	0.65085 AU	inferior conj	-12481 May 07 j 17:03	15° \mathcal{A} 39'09	-3°23'22
inferior conj	-12482 May 24 j 04:41	2° \mathcal{H} 17'15	-3°12'51	minimum elong	-12481 May 07 j 17:32	15° \mathcal{A} 37'52	3°23'54
minimum elong	-12482 May 24 j 06:17	2° \mathcal{H} 12'31	3°13'01	morning rise	-12481 May 14 j 00:42	10° \mathcal{A} 19'22	
	-12482 May 26 j 04:53	30° \mathcal{R} \mathcal{A}		direct	-12481 May 16 j 20:24	9° \mathcal{A} 39'02	
morning rise	-12482 May 30 j 03:16	26° \mathcal{A} 40'15		morning max el	-12481 May 23 j 08:00	13° \mathcal{A} 03'18	18°07'55
direct	-12482 Jun 02 j 04:28	25° \mathcal{A} 48'52		asc. node	-12481 May 25 j 06:58	15° \mathcal{A} 13'02	
asc. node	-12482 Jun 07 j 10:11	28° \mathcal{A} 09'48			-12481 Jun 04 j 00:49	0° \mathcal{H}	
morning max el	-12482 Jun 08 j 18:45	29° \mathcal{A} 25'40	18°31'01	morning set	-12481 Jun 10 j 00:28	10° \mathcal{H} 15'42	
	-12482 Jun 09 j 07:55	0° \mathcal{H}			-12481 Jun 21 j 16:55	0° \mathcal{Y}	
morning set	-12482 Jun 28 j 13:32	29° \mathcal{H} 10'44					
	-12482 Jun 29 j 01:31	0° \mathcal{Y}		superior conj	-12481 Jun 22 j 22:49	2° \mathcal{Y} 02'56	1°36'05
				minimum elong	-12481 Jun 23 j 03:49	2° \mathcal{Y} 23'25	1°35'47
superior conj	-12482 Jul 13 j 08:33	23° \mathcal{Y} 06'45	1°07'29	max. Earth dist.	-12481 Jun 28 j 04:10	10° \mathcal{Y} 31'14	1.43764 AU
minimum elong	-12482 Jul 13 j 15:05	23° \mathcal{Y} 32'45	1°07'08	evening rise	-12481 Jul 09 j 03:53	27° \mathcal{Y} 51'10	
max. Earth dist.	-12482 Jul 15 j 13:30	26° \mathcal{Y} 37'05	1.44481 AU		-12481 Jul 10 j 13:06	0° \mathcal{B}	
	-12482 Jul 17 j 16:45	0° \mathcal{B}		desc. node	-12481 Jul 12 j 12:26	3° \mathcal{B} 02'46	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12481 Jul 30 j 19:24	0°♊		minimum elong	-12480 Jun 02 j 16:08	12°♊20'32	1°47'59
evening max el	-12481 Aug 05 j 09:33	6°♊40'29	20°18'43	max. Earth dist.	-12480 Jun 09 j 13:44	23°♊55'45	1.42458 AU
retrograde	-12481 Aug 13 j 04:24	11°♊12'32			-12480 Jun 13 j 07:18	0°♊	
evening set	-12481 Aug 16 j 21:43	9°♊52'39		evening rise	-12480 Jun 17 j 05:03	6°♊13'28	
asc. node	-12481 Aug 21 j 08:10	5°♊10'02		desc. node	-12480 Jun 28 j 09:58	23°♊25'52	
inferior conj	-12481 Aug 22 j 08:20	3°♊49'52	0°18'53		-12480 Jul 02 j 20:51	0°♊	
minimum elong	-12481 Aug 22 j 07:54	3°♊51'19	0°19'24	evening max el	-12480 Jul 18 j 07:02	20°♊04'42	21°29'12
min. Earth dist.	-12481 Aug 23 j 04:05	2°♊43'49	0.66592 AU	retrograde	-12480 Jul 27 j 00:36	25°♊13'48	
	-12481 Aug 25 j 07:31	30°♋♂		evening set	-12480 Jul 31 j 06:19	23°♊33'56	
morning rise	-12481 Aug 27 j 17:53	27°♋28'46		inferior conj	-12480 Aug 05 j 13:08	17°♋24'27	-0°30'54
direct	-12481 Sep 02 j 06:18	25°♋08'10		minimum elong	-12480 Aug 05 j 13:46	17°♋22'16	0°30'06
	-12481 Sep 11 j 16:54	0°♊		min. Earth dist.	-12480 Aug 05 j 22:17	16°♋52'58	0.67062 AU
morning max el	-12481 Sep 13 j 19:50	2°♊01'28	24°49'33	asc. node	-12480 Aug 07 j 05:02	15°♋08'53	
	-12481 Oct 05 j 03:42	0°♋		morning rise	-12480 Aug 10 j 21:06	11°♋03'26	
desc. node	-12481 Oct 08 j 10:30	5°♋03'52		direct	-12480 Aug 15 j 19:31	9°♋00'01	
morning set	-12481 Oct 19 j 15:33	23°♋40'12		morning max el	-12480 Aug 26 j 06:21	15°♋17'34	23°26'50
	-12481 Oct 23 j 04:29	0°♌			-12480 Sep 07 j 05:29	0°♊	
max. Earth dist.	-12481 Oct 23 j 13:53	0°♌42'58	1.37697 AU	desc. node	-12480 Sep 24 j 07:26	25°♊25'49	
					-12480 Sep 27 j 03:26	0°♋	
superior conj	-12481 Oct 30 j 01:57	12°♌59'46	-1°36'42	morning set	-12480 Sep 29 j 21:38	4°♋33'01	
minimum elong	-12481 Oct 30 j 01:22	12°♌56'52	1°36'07	max. Earth dist.	-12480 Oct 04 j 12:37	12°♋25'18	1.39665 AU
evening rise	-12481 Nov 07 j 10:22	29°♌34'30					
	-12481 Nov 07 j 15:29	0°♎		superior conj	-12480 Oct 11 j 23:48	25°♋49'08	-1°29'29
asc. node	-12481 Nov 17 j 06:57	17°♎46'20		minimum elong	-12480 Oct 11 j 21:25	25°♋38'07	1°28'38
evening max el	-12481 Nov 24 j 11:22	27°♎02'11	19°17'28		-12480 Oct 14 j 05:32	0°♌	
	-12481 Nov 28 j 11:06	0°♎		evening rise	-12480 Oct 21 j 05:52	13°♌25'28	
retrograde	-12481 Dec 03 j 11:26	1°♎19'06			-12480 Oct 30 j 07:31	0°♎	
evening set	-12481 Dec 05 j 23:49	1°♎00'31		asc. node	-12480 Nov 03 j 04:17	5°♎45'31	
	-12481 Dec 08 j 19:22	30°♋♎		evening max el	-12480 Nov 06 j 12:26	9°♎36'24	18°34'17
inferior conj	-12481 Dec 14 j 04:00	26°♎47'32	4°08'56	retrograde	-12480 Nov 14 j 08:39	13°♎26'48	
minimum elong	-12481 Dec 14 j 06:33	26°♎43'13	4°08'47	evening set	-12480 Nov 16 j 19:49	13°♎05'22	
min. Earth dist.	-12481 Dec 16 j 23:25	24°♎54'00	0.57185 AU	inferior conj	-12480 Nov 24 j 11:23	8°♎32'46	4°16'07
morning rise	-12481 Dec 22 j 11:10	21°♎56'20		minimum elong	-12480 Nov 24 j 10:16	8°♎34'56	4°16'21
direct	-12481 Dec 27 j 14:04	20°♎55'52		min. Earth dist.	-12480 Nov 27 j 16:00	6°♎04'28	0.58874 AU
desc. node	-12480 Jan 04 j 12:19	23°♎19'07		morning rise	-12480 Dec 01 j 22:52	3°♎19'22	
morning max el	-12480 Jan 10 j 13:08	28°♎00'11	24°55'38	direct	-12480 Dec 08 j 05:07	1°♎41'15	
	-12480 Jan 12 j 12:37	0°♎		desc. node	-12480 Dec 21 j 08:55	8°♎08'41	
	-12480 Feb 01 j 03:35	0°♎		morning max el	-12480 Dec 22 j 05:59	8°♎57'49	26°17'22
morning set	-12480 Feb 05 j 18:13	9°♎22'04			-12479 Jan 07 j 05:52	0°♎	
				morning set	-12479 Jan 20 j 05:45	24°♎24'32	
superior conj	-12480 Feb 12 j 17:45	24°♎23'15	-0°04'10		-12479 Jan 22 j 20:57	0°♎	
minimum elong	-12480 Feb 12 j 17:57	24°♎24'19	0°04'44				
behind sun begin	-12480 Feb 12 j 13:05	23°♎57'56		superior conj	-12479 Jan 27 j 05:09	9°♎26'13	-0°26'34
behind sun end	-12480 Feb 12 j 22:49	24°♎50'41		minimum elong	-12479 Jan 27 j 06:12	9°♎31'57	0°26'50
asc. node	-12480 Feb 13 j 04:18	25°♎20'25		max. Earth dist.	-12479 Jan 27 j 12:33	10°♎06'38	1.32827 AU
max. Earth dist.	-12480 Feb 13 j 23:57	27°♎06'33	1.33154 AU	asc. node	-12479 Jan 30 j 01:35	15°♎38'32	
	-12480 Feb 15 j 08:14	0°♏		evening rise	-12479 Feb 03 j 08:19	24°♎43'30	
evening rise	-12480 Feb 20 j 02:18	9°♏56'33			-12479 Feb 05 j 22:32	0°♏	
	-12480 Mar 01 j 18:29	0°♏			-12479 Feb 23 j 16:44	0°♏	
evening max el	-12480 Mar 23 j 04:07	29°♏18'29	27°20'20	evening max el	-12479 Mar 05 j 07:19	11°♏17'13	26°42'23
	-12480 Mar 23 j 21:36	0°♏		retrograde	-12479 Mar 19 j 10:16	18°♏42'31	
desc. node	-12480 Apr 01 j 13:05	5°♏55'12		desc. node	-12479 Mar 19 j 10:12	18°♏42'31	
retrograde	-12480 Apr 06 j 03:37	6°♏51'47		evening set	-12479 Mar 25 j 15:29	17°♏01'16	
evening set	-12480 Apr 12 j 22:11	4°♏37'54		min. Earth dist.	-12479 Mar 29 j 20:47	14°♏10'12	0.59823 AU
min. Earth dist.	-12480 Apr 16 j 16:17	1°♏39'06	0.61800 AU	inferior conj	-12479 Apr 02 j 04:41	11°♏25'46	-2°52'34
	-12480 Apr 18 j 10:39	30°♋♏		minimum elong	-12479 Apr 02 j 01:52	11°♏31'37	2°52'53
inferior conj	-12480 Apr 19 j 18:14	28°♏44'33	-3°18'24	morning rise	-12479 Apr 09 j 14:55	6°♏44'24	
minimum elong	-12480 Apr 19 j 17:05	28°♏47'17	3°19'01	direct	-12479 Apr 12 j 01:18	6°♏21'49	
morning rise	-12480 Apr 26 j 13:43	23°♏43'37		morning max el	-12479 Apr 19 j 09:31	9°♏56'34	18°17'05
direct	-12480 Apr 29 j 04:37	23°♏12'54		asc. node	-12479 Apr 28 j 00:36	21°♏51'15	
morning max el	-12480 May 05 j 21:51	26°♏36'06	18°03'06		-12479 May 02 j 14:02	0°♏	
	-12480 May 08 j 21:07	0°♏		morning set	-12479 May 05 j 11:44	5°♏25'15	
asc. node	-12480 May 11 j 03:46	3°♏10'59					
morning set	-12480 May 22 j 09:28	22°♏24'07		superior conj	-12479 May 15 j 08:51	23°♏44'50	1°46'31
	-12480 May 26 j 15:02	0°♏		minimum elong	-12479 May 15 j 07:10	23°♏37'16	1°46'00
					-12479 May 18 j 21:06	0°♏	
superior conj	-12480 Jun 02 j 14:56	12°♏15'21	1°48'14	max. Earth dist.	-12479 May 22 j 17:32	6°♏39'57	1.40755 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12479 May 27 j 23:48	15° H 27'14			-12478 May 11 j 05:39	0° H	
	-12479 Jun 06 j 04:09	0° Y			-12478 May 30 j 18:24	0° Y	
desc. node	-12479 Jun 15 j 07:32	13° Y 33'56		desc. node	-12478 Jun 02 j 05:05	3° Y 20'42	
	-12479 Jun 27 j 18:37	0° B		evening max el	-12478 Jun 13 j 08:50	16° Y 44'56	24°11'16
evening max el	-12479 Jun 30 j 22:01	3° B 25'01	22°48'49	retrograde	-12478 Jun 24 j 09:12	23° Y 16'24	
retrograde	-12479 Jul 10 j 18:31	9° B 15'59		evening set	-12478 Jun 29 j 19:42	20° Y 54'49	
evening set	-12479 Jul 15 j 14:15	7° B 14'47		min. Earth dist.	-12478 Jul 04 j 12:39	15° Y 22'21	0.67106 AU
inferior conj	-12479 Jul 20 j 19:23	1° B 01'10	-1°17'10	inferior conj	-12478 Jul 05 j 01:20	14° Y 39'11	-1°58'36
minimum elong	-12479 Jul 20 j 20:52	0° B 56'02	1°16'16	minimum elong	-12478 Jul 05 j 03:23	14° Y 32'13	1°57'47
min. Earth dist.	-12479 Jul 20 j 17:56	1° B 06'10	0.67240 AU	morning rise	-12478 Jul 10 j 11:01	8° Y 29'41	
	-12479 Jul 21 j 13:07	30° R Y		asc. node	-12478 Jul 11 j 22:34	7° Y 35'28	
asc. node	-12479 Jul 25 j 01:49	25° Y 41'46		direct	-12478 Jul 14 j 09:08	7° Y 01'46	
morning rise	-12479 Jul 26 j 03:22	24° Y 44'08		morning max el	-12478 Jul 22 j 14:43	11° Y 54'45	20°47'14
direct	-12479 Jul 30 j 12:51	22° Y 58'47			-12478 Aug 05 j 08:09	0° B	
morning max el	-12479 Aug 08 j 19:46	28° Y 33'47	22°03'44	morning set	-12478 Aug 20 j 08:56	22° B 49'53	
	-12479 Aug 10 j 04:07	0° B			-12478 Aug 24 j 22:27	0° II	
	-12479 Aug 31 j 23:09	0° II		desc. node	-12478 Aug 29 j 01:38	6° II 36'08	
morning set	-12479 Sep 10 j 01:21	14° II 09'11		max. Earth dist.	-12478 Aug 29 j 23:06	8° II 02'50	1.43165 AU
desc. node	-12479 Sep 11 j 04:28	15° II 57'49					
max. Earth dist.	-12479 Sep 16 j 14:35	24° II 50'11	1.41580 AU	superior conj	-12478 Sep 05 j 02:49	18° II 09'31	-0°41'22
	-12479 Sep 19 j 16:11	0° B		minimum elong	-12478 Sep 04 j 23:15	17° II 54'41	0°40'12
					-12478 Sep 12 j 02:02	0° B	
superior conj	-12479 Sep 24 j 01:58	7° B 37'07	-1°11'33	evening rise	-12478 Sep 17 j 09:04	9° B 14'45	
minimum elong	-12479 Sep 23 j 22:06	7° B 20'10	1°10'24		-12478 Sep 29 j 17:25	0° B	
evening rise	-12479 Oct 04 j 14:50	26° B 42'06		evening max el	-12478 Oct 04 j 09:12	5° B 50'32	18°07'47
	-12479 Oct 06 j 09:46	0° B		asc. node	-12478 Oct 07 j 22:44	8° B 34'56	
evening max el	-12479 Oct 20 j 20:42	22° B 35'00	18°11'18	retrograde	-12478 Oct 11 j 01:42	9° B 23'00	
asc. node	-12479 Oct 21 j 01:33	22° B 46'53		evening set	-12478 Oct 13 j 15:47	8° B 50'32	
retrograde	-12479 Oct 27 j 22:33	26° B 11'09		inferior conj	-12478 Oct 20 j 07:20	3° B 35'50	3°18'35
evening set	-12479 Oct 30 j 10:14	25° B 45'10		minimum elong	-12478 Oct 20 j 03:28	3° B 45'36	3°18'20
inferior conj	-12479 Nov 06 j 13:22	20° B 50'48	3°55'50	min. Earth dist.	-12478 Oct 22 j 22:18	0° B 56'40	0.62478 AU
minimum elong	-12479 Nov 06 j 10:04	20° B 58'12	3°55'51		-12478 Oct 23 j 22:00	30° R B	
min. Earth dist.	-12479 Nov 09 j 14:37	18° B 07'48	0.60721 AU	morning rise	-12478 Oct 26 j 14:09	27° B 46'17	
morning rise	-12479 Nov 13 j 08:31	15° B 18'09		direct	-12478 Nov 02 j 15:28	25° B 12'26	
direct	-12479 Nov 20 j 06:11	13° B 06'24			-12478 Nov 13 j 09:10	0° B	
morning max el	-12479 Dec 04 j 04:43	20° B 29'53	27°12'26	morning max el	-12478 Nov 16 j 09:43	2° B 41'45	27°33'47
desc. node	-12479 Dec 08 j 05:28	24° B 44'42		desc. node	-12478 Nov 25 j 02:02	12° B 37'58	
	-12479 Dec 12 j 12:12	0° H			-12478 Dec 06 j 19:02	0° H	
	-12479 Dec 30 j 23:03	0° B		morning set	-12478 Dec 19 j 18:04	23° H 52'48	
morning set	-12478 Jan 04 j 14:26	9° B 17'24			-12478 Dec 22 j 17:15	0° B	
max. Earth dist.	-12478 Jan 11 j 01:43	23° B 06'33	1.32826 AU	max. Earth dist.	-12478 Dec 25 j 11:45	5° B 53'00	1.33176 AU
superior conj	-12478 Jan 11 j 16:59	24° B 29'51	-0°47'18	superior conj	-12478 Dec 27 j 03:36	9° B 27'44	-1°05'38
minimum elong	-12478 Jan 11 j 18:40	24° B 39'01	0°47'19	minimum elong	-12478 Dec 27 j 05:36	9° B 38'33	1°05'28
	-12478 Jan 14 j 05:31	0° H		evening rise	-12477 Jan 03 j 04:52	24° B 37'59	
asc. node	-12478 Jan 16 j 22:55	5° H 52'58		asc. node	-12477 Jan 03 j 20:18	25° B 58'46	
evening rise	-12478 Jan 18 j 17:47	9° H 39'40			-12477 Jan 05 j 19:15	0° H	
	-12478 Jan 29 j 08:56	0° H			-12477 Jan 24 j 11:27	0° H	
evening max el	-12478 Feb 15 j 05:05	22° H 40'22	25°35'10	evening max el	-12477 Jan 27 j 22:44	3° H 37'15	24°07'52
retrograde	-12478 Mar 01 j 06:36	29° H 50'48		retrograde	-12477 Feb 10 j 14:50	10° H 22'59	
desc. node	-12478 Mar 06 j 07:10	28° H 50'43		evening set	-12477 Feb 14 j 20:47	9° H 42'49	
evening set	-12478 Mar 06 j 14:03	28° H 43'47		desc. node	-12477 Feb 21 j 04:02	6° H 40'40	
min. Earth dist.	-12478 Mar 11 j 18:38	25° H 47'02	0.57925 AU	min. Earth dist.	-12477 Feb 21 j 12:01	6° H 28'29	0.56409 AU
inferior conj	-12478 Mar 14 j 21:02	23° H 34'41	-2°00'05	inferior conj	-12477 Feb 23 j 17:34	5° H 04'55	-0°38'32
minimum elong	-12478 Mar 14 j 17:38	23° H 40'48	2°00'00	minimum elong	-12477 Feb 23 j 16:04	5° H 07'18	0°38'45
morning rise	-12478 Mar 23 j 00:24	19° H 12'17		morning rise	-12477 Mar 04 j 14:09	0° H 57'25	
direct	-12478 Mar 25 j 06:33	18° H 56'03		direct	-12477 Mar 06 j 17:46	0° H 45'03	
morning max el	-12478 Apr 02 j 16:06	22° H 56'20	18°50'32	morning max el	-12477 Mar 16 j 14:34	5° H 25'14	19°43'49
	-12478 Apr 08 j 09:22	0° B			-12477 Apr 01 j 10:02	0° B	
asc. node	-12478 Apr 14 j 21:30	11° B 04'20		asc. node	-12477 Apr 01 j 18:30	0° B 41'47	
morning set	-12478 Apr 19 j 02:53	19° B 09'01		morning set	-12477 Apr 03 j 03:12	3° B 24'43	
	-12478 Apr 24 j 16:30	0° B					
				superior conj	-12477 Apr 11 j 06:31	19° B 45'25	1°17'17
superior conj	-12478 Apr 27 j 23:50	6° B 19'55	1°35'01	minimum elong	-12477 Apr 11 j 03:32	19° B 30'41	1°16'10
minimum elong	-12478 Apr 27 j 20:54	6° B 06'02	1°34'09		-12477 Apr 16 j 13:45	0° B	
max. Earth dist.	-12478 May 04 j 18:06	18° B 46'36	1.38888 AU	max. Earth dist.	-12477 Apr 16 j 20:09	0° B 30'07	1.37092 AU
evening rise	-12478 May 08 j 21:54	26° B 03'19		evening rise	-12477 Apr 20 j 21:24	7° B 57'23	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12477 May 04 j 00:55	0° H		evening rise	-12476 Apr 02 j 16:46	20° S 54'25	
desc. node	-12477 May 20 j 02:35	22° H 36'48			-12476 Apr 07 j 16:27	0° \approx	
	-12477 May 26 j 16:04	0° Y			-12476 Apr 26 j 21:15	0° H	
evening max el	-12477 May 26 j 18:19	0° Y 05'38	25°28'42	desc. node	-12476 May 06 j 00:00	11° H 09'57	
retrograde	-12477 Jun 07 j 19:49	7° Y 10'04		evening max el	-12476 May 08 j 04:29	13° H 25'40	26°32'26
evening set	-12477 Jun 13 j 20:36	4° Y 32'09		retrograde	-12476 May 21 j 01:54	20° H 51'08	
	-12477 Jun 17 j 21:30	30° R H		evening set	-12476 May 27 j 14:39	18° H 04'48	
min. Earth dist.	-12477 Jun 18 j 04:10	29° H 38'27	0.66622 AU	min. Earth dist.	-12476 May 31 j 14:18	13° H 50'11	0.65757 AU
inferior conj	-12477 Jun 19 j 05:12	28° H 16'30	-2°33'52	inferior conj	-12476 Jun 02 j 04:58	11° H 51'10	-3°01'22
minimum elong	-12477 Jun 19 j 07:27	28° H 09'09	2°33'21	minimum elong	-12476 Jun 02 j 06:58	11° H 45'01	3°01'17
morning rise	-12477 Jun 24 j 18:20	22° H 17'35		morning rise	-12476 Jun 07 j 23:30	6° H 05'31	
direct	-12477 Jun 28 j 06:52	21° H 05'31		direct	-12476 Jun 11 j 04:17	5° H 07'16	
asc. node	-12477 Jun 28 j 19:19	21° H 07'01		asc. node	-12476 Jun 14 j 16:05	6° H 12'25	
morning max el	-12477 Jul 05 j 16:14	25° H 22'22	19°42'21	morning max el	-12476 Jun 17 j 23:41	8° H 56'16	18°52'14
	-12477 Jul 09 j 14:49	0° Y			-12476 Jul 02 j 18:02	0° Y	
	-12477 Jul 29 j 16:02	0° S		morning set	-12476 Jul 09 j 09:21	10° Y 39'52	
morning set	-12477 Jul 30 j 13:25	1° S 23'30			-12476 Jul 21 j 12:12	0° S	
max. Earth dist.	-12477 Aug 12 j 12:49	21° S 49'10	1.44201 AU				
desc. node	-12477 Aug 15 j 22:57	27° S 17'19		superior conj	-12476 Jul 25 j 02:21	5° S 41'03	0°44'33
				minimum elong	-12476 Jul 25 j 07:26	6° S 01'11	0°44'24
superior conj	-12477 Aug 16 j 00:07	27° S 21'57	-0°00'17	max. Earth dist.	-12476 Jul 25 j 04:54	5° S 51'08	1.44574 AU
minimum elong	-12477 Aug 16 j 00:09	27° S 22'07	0°00'21	desc. node	-12476 Aug 01 j 20:19	17° S 57'42	
behind sun begin	-12477 Aug 15 j 13:13	26° S 38'15			-12476 Aug 09 j 09:24	0° II	
behind sun end	-12477 Aug 16 j 11:05	28° S 06'02		evening rise	-12476 Aug 10 j 03:35	1° II 12'52	
	-12477 Aug 17 j 15:24	0° II			-12476 Aug 29 j 00:39	0° S	
evening rise	-12477 Aug 30 j 07:11	20° II 49'59		evening max el	-12476 Aug 31 j 11:06	2° S 46'17	18°55'22
	-12477 Sep 04 j 18:34	0° S		retrograde	-12476 Sep 07 j 07:31	6° S 38'02	
evening max el	-12477 Sep 17 j 22:58	19° S 16'18	18°22'50	evening set	-12476 Sep 10 j 09:11	5° S 44'22	
retrograde	-12477 Sep 24 j 13:55	22° S 54'12		asc. node	-12476 Sep 10 j 16:55	5° S 32'38	
asc. node	-12477 Sep 24 j 19:50	22° S 53'53		inferior conj	-12476 Sep 16 j 05:48	29° II 58'12	1°40'55
evening set	-12477 Sep 27 j 08:36	22° S 12'44		minimum elong	-12476 Sep 16 j 03:29	0° S 05'17	1°40'51
inferior conj	-12477 Oct 03 j 13:52	16° S 40'42	2°31'59		-12476 Sep 16 j 05:13	30° R II	
minimum elong	-12477 Oct 03 j 10:32	16° S 50'07	2°31'42	min. Earth dist.	-12476 Sep 17 j 19:45	28° II 02'07	0.65243 AU
min. Earth dist.	-12477 Oct 05 j 16:20	14° S 18'50	0.64002 AU	morning rise	-12476 Sep 21 j 21:16	23° II 44'51	
morning rise	-12477 Oct 09 j 11:43	10° S 37'20		direct	-12476 Sep 28 j 07:16	21° II 04'18	
direct	-12477 Oct 16 j 08:03	7° S 54'25		morning max el	-12476 Oct 11 j 05:10	28° II 31'04	26°38'35
morning max el	-12477 Oct 29 j 18:48	15° S 26'36	27°21'04		-12476 Oct 12 j 16:04	0° S	
	-12477 Nov 10 j 21:59	0° Ω		desc. node	-12476 Oct 28 j 19:23	20° S 53'29	
desc. node	-12477 Nov 11 j 22:40	1° Ω 26'31			-12476 Nov 03 j 15:53	0° Ω	
	-12477 Nov 29 j 09:16	0° M		morning set	-12476 Nov 15 j 22:46	21° Ω 33'01	
morning set	-12477 Dec 03 j 14:02	8° M 02'06			-12476 Nov 20 j 07:09	0° M	
max. Earth dist.	-12477 Dec 08 j 14:53	18° M 14'29	1.33911 AU	max. Earth dist.	-12476 Nov 20 j 07:53	0° M 03'36	1.35067 AU
superior conj	-12477 Dec 11 j 11:11	24° M 13'46	-1°20'45	superior conj	-12476 Nov 24 j 13:28	8° M 39'28	-1°31'37
minimum elong	-12477 Dec 11 j 13:07	24° M 24'00	1°20'28	minimum elong	-12476 Nov 24 j 14:51	8° M 46'35	1°31'14
	-12477 Dec 14 j 04:05	0° S		evening rise	-12476 Dec 02 j 01:13	24° M 16'52	
evening rise	-12477 Dec 18 j 15:56	9° S 32'41			-12476 Dec 04 j 20:42	0° S	
asc. node	-12477 Dec 21 j 17:42	15° S 50'52		asc. node	-12476 Dec 07 j 15:05	5° S 22'16	
	-12477 Dec 29 j 11:27	0° M		evening max el	-12476 Dec 21 j 16:48	25° S 41'09	21°05'18
evening max el	-12476 Jan 09 j 16:47	14° M 30'04	22°33'41		-12476 Dec 28 j 01:31	0° M	
retrograde	-12476 Jan 22 j 11:35	20° M 38'01		retrograde	-12475 Jan 02 j 02:08	1° M 02'13	
evening set	-12476 Jan 25 j 19:45	20° M 13'31		evening set	-12475 Jan 04 j 21:35	0° M 43'53	
min. Earth dist.	-12476 Feb 03 j 03:16	16° M 28'34	0.55567 AU		-12475 Jan 07 j 08:50	30° R S	
inferior conj	-12476 Feb 03 j 21:38	16° M 02'02	1°03'00	inferior conj	-12475 Jan 13 j 19:09	26° S 44'42	2°40'29
minimum elong	-12476 Feb 04 j 00:16	15° M 58'14	1°01'37	minimum elong	-12475 Jan 14 j 00:48	26° S 36'30	2°38'42
desc. node	-12476 Feb 08 j 00:48	13° M 46'49		min. Earth dist.	-12475 Jan 14 j 17:16	26° S 12'43	0.55576 AU
morning rise	-12476 Feb 13 j 05:56	11° M 58'19		morning rise	-12475 Jan 23 j 03:00	22° S 29'15	
direct	-12476 Feb 15 j 13:44	11° M 45'38		desc. node	-12475 Jan 24 j 21:31	22° S 12'08	
morning max el	-12476 Feb 27 j 02:31	17° M 16'02	20°56'13	direct	-12475 Jan 26 j 04:52	22° S 08'17	
	-12476 Mar 07 j 19:35	0° S		morning max el	-12475 Feb 08 j 03:10	28° S 27'06	22°24'39
morning set	-12476 Mar 17 j 09:46	18° S 03'56			-12475 Feb 09 j 16:10	0° M	
asc. node	-12476 Mar 18 j 15:35	20° S 37'18			-12475 Feb 28 j 09:34	0° S	
	-12476 Mar 23 j 04:05	0° S		morning set	-12475 Mar 01 j 20:11	2° S 58'33	
				asc. node	-12475 Mar 05 j 12:43	10° S 45'00	
superior conj	-12476 Mar 25 j 00:30	3° S 48'42	0°55'55				
minimum elong	-12476 Mar 24 j 22:10	3° S 36'42	0°54'47	superior conj	-12475 Mar 09 j 02:22	18° S 18'52	0°32'49
max. Earth dist.	-12476 Mar 29 j 05:18	12° S 16'22	1.35552 AU	minimum elong	-12475 Mar 09 j 00:59	18° S 11'33	0°31'49

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12475 Mar 12 j 00:42	24° ♁ 25'46	1.34349 AU	minimum elong	-12474 Feb 21 j 09:09	3° ♁ 05'20	0°08'31
	-12475 Mar 14 j 18:24	0° ♁		behind sun begin	-12474 Feb 21 j 04:46	2° ♁ 41'48	
evening rise	-12475 Mar 17 j 02:37	4° ♁ 37'55		behind sun end	-12474 Feb 21 j 13:31	3° ♁ 28'51	
	-12475 Mar 31 j 10:36	0° ♁		max. Earth dist.	-12474 Feb 23 j 05:25	7° ♁ 02'21	1.33499 AU
evening max el	-12475 Apr 20 j 15:25	26° ♁ 37'45	27°14'16	evening rise	-12474 Feb 28 j 22:40	18° ♁ 54'15	
desc. node	-12475 Apr 22 j 21:22	28° ♁ 42'41			-12474 Mar 06 j 16:43	0° ♁	
	-12475 Apr 24 j 10:40	0° ♁			-12474 Mar 25 j 17:39	0° ♁	
retrograde	-12475 May 04 j 02:41	4° ♁ 12'10		evening max el	-12474 Apr 03 j 01:12	9° ♁ 29'32	27°27'26
evening set	-12475 May 10 j 23:10	1° ♁ 28'34		desc. node	-12474 Apr 09 j 18:39	14° ♁ 49'58	
	-12475 May 12 j 15:13	30° ♁		retrograde	-12474 Apr 16 j 21:09	17° ♁ 04'05	
min. Earth dist.	-12475 May 14 j 17:10	27° ♁ 49'59	0.64497 AU	evening set	-12474 Apr 23 j 18:54	14° ♁ 36'03	
inferior conj	-12475 May 16 j 22:20	25° ♁ 19'44	-3°18'58	min. Earth dist.	-12474 Apr 27 j 11:14	11° ♁ 25'59	0.62871 AU
minimum elong	-12475 May 16 j 23:32	25° ♁ 16'19	3°19'19	inferior conj	-12474 Apr 30 j 06:22	8° ♁ 35'47	-3°23'29
morning rise	-12475 May 23 j 00:27	19° ♁ 49'39		minimum elong	-12474 Apr 30 j 06:12	8° ♁ 36'12	3°24'06
direct	-12475 May 25 j 23:04	19° ♁ 03'16		morning rise	-12474 May 06 j 18:40	3° ♁ 23'32	
morning max el	-12475 Jun 01 j 11:25	22° ♁ 33'50	18°18'56	direct	-12474 May 09 j 12:18	2° ♁ 47'22	
asc. node	-12475 Jun 01 j 12:52	22° ♁ 37'29		morning max el	-12474 May 16 j 01:09	6° ♁ 09'47	18°03'33
	-12475 Jun 07 j 07:30	0° ♁		asc. node	-12474 May 19 j 09:38	10° ♁ 05'34	
morning set	-12475 Jun 20 j 05:59	21° ♁ 04'53			-12474 May 31 j 14:47	0° ♁	
	-12475 Jun 25 j 14:28	0° ♁		morning set	-12474 Jun 02 j 02:53	2° ♁ 38'24	
superior conj	-12475 Jul 04 j 06:17	14° ♁ 06'57	1°21'37	superior conj	-12474 Jun 14 j 06:50	23° ♁ 33'11	1°43'11
minimum elong	-12475 Jul 04 j 12:43	14° ♁ 32'48	1°21'14	minimum elong	-12474 Jun 14 j 10:16	23° ♁ 47'28	1°42'56
max. Earth dist.	-12475 Jul 07 j 20:46	19° ♁ 52'48	1.44252 AU		-12474 Jun 18 j 04:25	0° ♁	
	-12475 Jul 14 j 06:22	0° ♁		max. Earth dist.	-12474 Jun 20 j 09:44	3° ♁ 37'05	1.43275 AU
desc. node	-12475 Jul 19 j 17:47	8° ♁ 34'36		evening rise	-12474 Jun 29 j 21:50	18° ♁ 42'15	
evening rise	-12475 Jul 20 j 20:58	10° ♁ 20'41		desc. node	-12474 Jul 06 j 15:19	29° ♁ 04'02	
greatest brilliancy	-12475 Aug 01 j 14:03	28° ♁ 25'33	-0.7m		-12474 Jul 07 j 06:02	0° ♁	
	-12475 Aug 02 j 15:05	0° ♁		evening max el	-12474 Jul 28 j 20:39	29° ♁ 43'32	20°47'21
evening max el	-12475 Aug 14 j 19:01	16° ♁ 16'37	19°44'06		-12474 Jul 29 j 03:10	0° ♁	
retrograde	-12475 Aug 22 j 03:42	20° ♁ 31'00		retrograde	-12474 Aug 06 j 00:17	4° ♁ 29'53	
evening set	-12475 Aug 25 j 14:42	19° ♁ 21'40		evening set	-12474 Aug 09 j 22:44	3° ♁ 01'40	
asc. node	-12475 Aug 28 j 13:55	16° ♁ 38'13			-12474 Aug 12 j 23:09	30° ♁	
inferior conj	-12475 Aug 31 j 04:26	13° ♁ 24'20	0°48'38	inferior conj	-12474 Aug 15 j 07:31	26° ♁ 55'54	-0°02'36
minimum elong	-12475 Aug 31 j 03:19	13° ♁ 27'58	0°48'56	minimum elong	-12474 Aug 15 j 07:33	26° ♁ 55'46	0°01'57
min. Earth dist.	-12475 Sep 01 j 06:37	11° ♁ 59'05	0.66189 AU	transit middle	-12474 Aug 15 j 07:33	26° ♁ 55'46	0°01'57
morning rise	-12475 Sep 05 j 15:38	7° ♁ 05'03		transit begin	-12474 Aug 15 j 04:50	27° ♁ 04'57	
direct	-12475 Sep 11 j 12:23	4° ♁ 35'26		transit end	-12474 Aug 15 j 10:16	26° ♁ 46'34	
morning max el	-12475 Sep 23 j 15:09	11° ♁ 44'17	25°33'38	asc. node	-12474 Aug 15 j 10:50	26° ♁ 44'36	
	-12475 Oct 08 j 09:11	0° ♁		min. Earth dist.	-12474 Aug 15 j 22:42	26° ♁ 04'23	0.66834 AU
desc. node	-12475 Oct 15 j 16:11	10° ♁ 47'51		morning rise	-12474 Aug 20 j 16:12	20° ♁ 34'38	
	-12475 Oct 27 j 07:14	0° ♁		direct	-12474 Aug 25 j 22:42	18° ♁ 21'03	
morning set	-12475 Oct 29 j 15:51	4° ♁ 12'36		morning max el	-12474 Sep 06 j 00:56	24° ♁ 59'32	24°14'53
max. Earth dist.	-12475 Nov 02 j 14:14	11° ♁ 28'42	1.36643 AU		-12474 Sep 10 j 13:30	0° ♁	
					-12474 Oct 01 j 21:29	0° ♁	
superior conj	-12475 Nov 08 j 07:43	22° ♁ 36'23	-1°36'54	desc. node	-12474 Oct 02 j 13:04	1° ♁ 01'23	
minimum elong	-12475 Nov 08 j 08:00	22° ♁ 37'47	1°36'24	morning set	-12474 Oct 11 j 12:02	15° ♁ 47'04	
	-12475 Nov 11 j 23:45	0° ♁		max. Earth dist.	-12474 Oct 15 j 14:08	22° ♁ 56'55	1.38527 AU
evening rise	-12475 Nov 16 j 06:56	8° ♁ 45'06			-12474 Oct 19 j 11:03	0° ♁	
asc. node	-12475 Nov 24 j 12:27	24° ♁ 25'30					
	-12475 Nov 28 j 00:11	0° ♁		superior conj	-12474 Oct 22 j 14:18	5° ♁ 53'49	-1°34'49
evening max el	-12475 Dec 04 j 02:21	7° ♁ 23'47	19°51'27	minimum elong	-12474 Oct 22 j 12:58	5° ♁ 47'29	1°34'08
retrograde	-12475 Dec 13 j 21:50	12° ♁ 00'43		evening rise	-12474 Oct 31 j 06:54	22° ♁ 51'32	
evening set	-12475 Dec 16 j 12:00	11° ♁ 42'54			-12474 Nov 03 j 23:16	0° ♁	
inferior conj	-12475 Dec 24 j 23:14	7° ♁ 38'40	3°48'09	asc. node	-12474 Nov 11 j 09:47	12° ♁ 51'17	
minimum elong	-12475 Dec 25 j 03:48	7° ♁ 31'28	3°47'21	evening max el	-12474 Nov 16 j 22:03	19° ♁ 39'59	18°56'36
min. Earth dist.	-12475 Dec 27 j 06:26	6° ♁ 12'16	0.56413 AU	retrograde	-12474 Nov 25 j 08:56	23° ♁ 44'03	
morning rise	-12474 Jan 02 j 17:37	3° ♁ 01'36		evening set	-12474 Nov 27 j 20:45	23° ♁ 24'18	
direct	-12474 Jan 07 j 02:03	2° ♁ 19'18		inferior conj	-12474 Dec 05 j 19:31	19° ♁ 03'13	4°16'05
desc. node	-12474 Jan 11 j 18:10	3° ♁ 09'16		minimum elong	-12474 Dec 05 j 20:25	19° ♁ 01'36	4°16'13
morning max el	-12474 Jan 20 j 19:32	9° ♁ 11'18	24°01'18	min. Earth dist.	-12474 Dec 08 j 20:36	16° ♁ 52'58	0.57865 AU
	-12474 Feb 05 j 01:21	0° ♁		morning rise	-12474 Dec 13 j 18:10	14° ♁ 02'36	
morning set	-12474 Feb 14 j 08:27	18° ♁ 01'43		direct	-12474 Dec 19 j 09:57	12° ♁ 46'36	
	-12474 Feb 19 j 22:45	0° ♁		desc. node	-12474 Dec 29 j 14:46	16° ♁ 42'09	
asc. node	-12474 Feb 20 j 09:54	1° ♁ 00'08		morning max el	-12473 Jan 02 j 10:21	19° ♁ 56'17	25°33'03
					-12473 Jan 11 j 00:44	0° ♁	
superior conj	-12474 Feb 21 j 09:30	3° ♁ 07'17	0°09'15		-12473 Jan 28 j 08:48	0° ♁	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12473 Jan 29 j 20:49	3° \mathbb{M} 07'09			morning set	-12472 Jan 04 j 23:13	0° $\underline{\mathbf{A}}$	
superior conj	-12473 Feb 05 j 19:53	18° \mathbb{M} 07'22	-0°13'49		morning set	-12472 Jan 14 j 07:23	18° $\underline{\mathbf{A}}$ 06'47	
minimum elong	-12473 Feb 05 j 20:28	18° \mathbb{M} 10'33	0°14'16			-12472 Jan 19 j 20:36	0° \mathbb{M}	
behind sun begin	-12473 Feb 05 j 18:20	17° \mathbb{M} 58'54			superior conj	-12472 Jan 21 j 07:40	3° \mathbb{M} 11'27	-0°35'36
behind sun end	-12473 Feb 05 j 22:36	18° \mathbb{M} 22'11			minimum elong	-12472 Jan 21 j 09:01	3° \mathbb{M} 18'49	0°35'46
max. Earth dist.	-12473 Feb 06 j 16:22	19° \mathbb{M} 58'46	1.32978 AU		max. Earth dist.	-12472 Jan 21 j 05:45	3° \mathbb{M} 00'59	1.32780 AU
asc. node	-12473 Feb 07 j 07:08	21° \mathbb{M} 18'49			asc. node	-12472 Jan 25 j 04:25	11° \mathbb{M} 36'00	
	-12473 Feb 11 j 08:43	0° \mathbb{A}			evening rise	-12472 Jan 28 j 09:29	18° \mathbb{M} 24'48	
evening rise	-12473 Feb 13 j 01:48	3° \mathbb{A} 33'08				-12472 Feb 03 j 04:56	0° \mathbb{A}	
	-12473 Feb 27 j 12:43	0° \mathbb{B}				-12472 Feb 22 j 22:19	0° \mathbb{B}	
evening max el	-12473 Mar 16 j 07:22	21° \mathbb{B} 50'07	27°08'05		evening max el	-12472 Feb 26 j 08:01	3° \mathbb{B} 32'32	26°16'52
desc. node	-12473 Mar 27 j 15:48	29° \mathbb{B} 00'44			retrograde	-12472 Mar 11 j 10:56	10° \mathbb{B} 53'01	
retrograde	-12473 Mar 30 j 08:21	29° \mathbb{B} 19'53			desc. node	-12472 Mar 13 j 12:49	10° \mathbb{B} 42'05	
evening set	-12473 Apr 05 j 22:39	27° \mathbb{B} 19'01			evening set	-12472 Mar 17 j 07:57	9° \mathbb{B} 26'18	
min. Earth dist.	-12473 Apr 09 j 20:11	24° \mathbb{B} 25'30	0.60976 AU		min. Earth dist.	-12472 Mar 21 j 21:21	6° \mathbb{B} 34'38	0.58993 AU
inferior conj	-12473 Apr 13 j 01:46	21° \mathbb{B} 32'41	-3°10'23		inferior conj	-12472 Mar 25 j 04:50	4° \mathbb{B} 01'00	-2°33'53
minimum elong	-12473 Apr 12 j 23:52	21° \mathbb{B} 36'56	3°10'54		minimum elong	-12472 Mar 25 j 01:33	4° \mathbb{B} 07'24	2°33'59
morning rise	-12473 Apr 20 j 03:09	16° \mathbb{B} 39'57				-12472 Mar 31 j 10:03	30° \mathbb{R} \mathbb{A}	
direct	-12473 Apr 22 j 16:18	16° \mathbb{B} 12'45			morning rise	-12472 Apr 01 j 22:12	29° \mathbb{A} 28'18	
morning max el	-12473 Apr 29 j 14:26	19° \mathbb{B} 38'49	18°06'42		direct	-12472 Apr 04 j 06:45	29° \mathbb{A} 08'42	
asc. node	-12473 May 06 j 06:26	28° \mathbb{B} 23'14				-12472 Apr 07 j 23:45	0° \mathbb{B}	
	-12473 May 07 j 06:25	0° \approx			morning max el	-12472 Apr 12 j 00:22	2° \mathbb{B} 52'10	18°28'56
morning set	-12473 May 15 j 19:50	15° \approx 11'15			asc. node	-12472 Apr 22 j 03:18	17° \mathbb{B} 18'37	
	-12473 May 23 j 23:35	0° \mathbb{H}			morning set	-12472 Apr 28 j 04:04	28° \mathbb{B} 31'48	
						-12472 Apr 28 j 22:32	0° \approx	
superior conj	-12473 May 26 j 10:25	4° \mathbb{H} 19'57	1°48'59		superior conj	-12472 May 07 j 14:02	16° \approx 19'45	1°42'37
minimum elong	-12473 May 26 j 10:12	4° \mathbb{H} 19'01	1°48'38		minimum elong	-12472 May 07 j 11:39	16° \approx 08'44	1°41'56
max. Earth dist.	-12473 Jun 02 j 17:25	16° \mathbb{H} 47'53	1.41776 AU		max. Earth dist.	-12472 May 14 j 19:12	29° \approx 14'35	1.39966 AU
evening rise	-12473 Jun 09 j 04:23	27° \mathbb{H} 20'22				-12472 May 15 j 05:41	0° \mathbb{H}	
	-12473 Jun 10 j 20:30	0° \mathbb{Y}			evening rise	-12472 May 19 j 10:23	7° \mathbb{H} 07'45	
desc. node	-12473 Jun 23 j 12:52	19° \mathbb{Y} 21'40				-12472 Jun 02 j 22:41	0° \mathbb{Y}	
	-12473 Jun 30 j 23:58	0° \mathbb{B}			desc. node	-12472 Jun 09 j 10:24	9° \mathbb{Y} 21'49	
evening max el	-12473 Jul 11 j 15:12	13° \mathbb{B} 05'49	22°02'11		evening max el	-12472 Jun 23 j 03:51	26° \mathbb{Y} 25'07	23°23'55
retrograde	-12473 Jul 20 j 19:39	18° \mathbb{B} 32'11				-12472 Jun 27 j 05:04	0° \mathbb{B}	
evening set	-12473 Jul 25 j 07:18	16° \mathbb{B} 43'01			retrograde	-12472 Jul 03 j 12:29	2° \mathbb{B} 34'33	
inferior conj	-12473 Jul 30 j 13:07	10° \mathbb{B} 31'23	-0°51'05		evening set	-12472 Jul 08 j 14:27	0° \mathbb{B} 24'15	
minimum elong	-12473 Jul 30 j 14:09	10° \mathbb{B} 27'50	0°50'12			-12472 Jul 09 j 01:09	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-12473 Jul 30 j 17:42	10° \mathbb{B} 15'32	0.67180 AU		inferior conj	-12472 Jul 13 j 19:29	24° \mathbb{Y} 09'14	-1°35'27
asc. node	-12473 Aug 02 j 07:41	6° \mathbb{B} 50'31			minimum elong	-12472 Jul 13 j 21:15	24° \mathbb{Y} 03'10	1°34'33
morning rise	-12473 Aug 04 j 20:55	4° \mathbb{B} 11'50			min. Earth dist.	-12472 Jul 13 j 13:18	24° \mathbb{Y} 30'32	0.67219 AU
direct	-12473 Aug 09 j 13:37	2° \mathbb{B} 16'21			morning rise	-12472 Jul 19 j 03:59	17° \mathbb{Y} 54'58	
morning max el	-12473 Aug 19 j 12:29	8° \mathbb{B} 15'47	22°51'04		asc. node	-12472 Jul 19 j 04:28	17° \mathbb{Y} 54'01	
	-12473 Sep 05 j 08:17	0° \mathbb{I}			direct	-12472 Jul 23 j 08:18	16° \mathbb{Y} 17'24	
desc. node	-12473 Sep 19 j 10:02	21° \mathbb{I} 28'14			morning max el	-12472 Aug 01 j 04:11	21° \mathbb{Y} 34'36	21°30'03
morning set	-12473 Sep 22 j 06:50	26° \mathbb{I} 06'34				-12472 Aug 08 j 04:32	0° \mathbb{B}	
	-12473 Sep 24 j 15:26	0° \mathbb{B}				-12472 Aug 28 j 15:53	0° \mathbb{I}	
max. Earth dist.	-12473 Sep 27 j 14:06	4° \mathbb{B} 57'32	1.40504 AU		morning set	-12472 Sep 01 j 00:40	5° \mathbb{I} 15'47	
					desc. node	-12472 Sep 05 j 07:09	12° \mathbb{I} 03'55	
superior conj	-12473 Oct 05 j 04:26	18° \mathbb{B} 18'37	-1°23'18		max. Earth dist.	-12472 Sep 08 j 18:36	17° \mathbb{I} 43'11	1.42301 AU
minimum elong	-12473 Oct 05 j 01:19	18° \mathbb{B} 04'31	1°22'19					
	-12473 Oct 11 j 12:03	0° \mathbb{Q}			superior conj	-12472 Sep 15 j 20:28	29° \mathbb{I} 36'12	-1°00'15
evening rise	-12473 Oct 14 j 22:22	6° \mathbb{Q} 29'06			minimum elong	-12472 Sep 15 j 16:24	29° \mathbb{I} 18'46	0°59'03
	-12473 Oct 28 j 21:55	0° \mathbb{M}				-12472 Sep 16 j 02:00	0° \mathbb{B}	
asc. node	-12473 Oct 29 j 07:06	0° \mathbb{M} 27'37			evening rise	-12472 Sep 27 j 01:43	19° \mathbb{B} 29'06	
evening max el	-12473 Oct 31 j 02:24	2° \mathbb{M} 24'56	18°22'02			-12472 Oct 02 j 22:29	0° \mathbb{Q}	
retrograde	-12473 Nov 07 j 13:48	6° \mathbb{M} 08'21			evening max el	-12472 Oct 13 j 12:51	15° \mathbb{Q} 32'01	18°07'30
evening set	-12473 Nov 10 j 00:52	5° \mathbb{M} 45'13			asc. node	-12472 Oct 15 j 04:20	17° \mathbb{Q} 00'16	
inferior conj	-12473 Nov 17 j 11:02	1° \mathbb{M} 03'07	4°10'13		retrograde	-12472 Oct 20 j 09:54	19° \mathbb{Q} 05'39	
minimum elong	-12473 Nov 17 j 08:46	1° \mathbb{M} 07'48	4°10'25		evening set	-12472 Oct 22 j 22:12	18° \mathbb{Q} 37'21	
	-12473 Nov 18 j 17:19	30° \mathbb{R} \mathbb{Q}			inferior conj	-12472 Oct 29 j 20:18	13° \mathbb{Q} 34'16	3°41'38
min. Earth dist.	-12473 Nov 20 j 15:15	28° \mathbb{Q} 26'10	0.59648 AU		minimum elong	-12472 Oct 29 j 16:36	13° \mathbb{Q} 43'02	3°41'30
morning rise	-12473 Nov 24 j 15:01	25° \mathbb{Q} 41'00			min. Earth dist.	-12472 Nov 01 j 17:48	10° \mathbb{Q} 50'33	0.61484 AU
direct	-12473 Dec 01 j 05:07	23° \mathbb{Q} 47'50			morning rise	-12472 Nov 05 j 09:41	7° \mathbb{Q} 53'49	
	-12473 Dec 14 j 00:23	0° \mathbb{M}			direct	-12472 Nov 12 j 10:06	5° \mathbb{Q} 30'48	
morning max el	-12473 Dec 15 j 05:40	1° \mathbb{M} 07'47	26°44'50		morning max el	-12472 Nov 26 j 07:24	12° \mathbb{Q} 57'58	27°25'47
desc. node	-12473 Dec 16 j 11:18	2° \mathbb{M} 20'58						

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12472 Dec 02 j 07:53	19° Ω 33'26		desc. node	-12471 Nov 19 j 04:30	7° Ω 52'26	
	-12472 Dec 10 j 01:03	0° \mathbb{M}			-12471 Dec 03 j 09:48	0° \mathbb{M}	
	-12472 Dec 27 j 04:05	0° $\underline{\Omega}$		morning set	-12471 Dec 12 j 14:54	17° \mathbb{M} 18'28	
morning set	-12472 Dec 28 j 14:12	2° $\underline{\Omega}$ 53'24		max. Earth dist.	-12471 Dec 18 j 01:09	28° \mathbb{M} 31'30	1.33437 AU
max. Earth dist.	-12471 Jan 03 j 17:51	15° $\underline{\Omega}$ 55'51	1.32924 AU		-12471 Dec 18 j 17:48	0° $\underline{\Omega}$	
superior conj	-12471 Jan 04 j 19:12	18° $\underline{\Omega}$ 13'32	-0°55'25	superior conj	-12471 Dec 20 j 04:46	3° $\underline{\Omega}$ 07'08	-1°12'30
minimum elong	-12471 Jan 04 j 21:03	18° $\underline{\Omega}$ 23'38	0°55'21	minimum elong	-12471 Dec 20 j 06:47	3° $\underline{\Omega}$ 18'00	1°12'17
	-12471 Jan 10 j 05:36	0° \mathbb{M}		evening rise	-12471 Dec 27 j 07:06	18° $\underline{\Omega}$ 19'39	
asc. node	-12471 Jan 11 j 01:46	1° \mathbb{M} 47'12		asc. node	-12471 Dec 28 j 23:10	21° $\underline{\Omega}$ 47'41	
evening rise	-12471 Jan 11 j 19:50	3° \mathbb{M} 22'25			-12470 Jan 02 j 02:40	0° \mathbb{M}	
	-12471 Jan 26 j 08:30	0° \mathbb{M}		evening max el	-12470 Jan 19 j 20:53	25° \mathbb{M} 34'46	23°27'56
evening max el	-12471 Feb 07 j 03:31	14° \mathbb{M} 41'58	24°59'46		-12470 Jan 25 j 18:13	0° \mathbb{M}	
retrograde	-12471 Feb 21 j 02:44	21° \mathbb{M} 44'09		retrograde	-12470 Feb 02 j 05:40	2° \mathbb{M} 05'27	
evening set	-12471 Feb 25 j 23:07	20° \mathbb{M} 49'55		evening set	-12470 Feb 06 j 01:15	1° \mathbb{M} 33'35	
desc. node	-12471 Feb 28 j 09:44	19° \mathbb{M} 44'46			-12470 Feb 10 j 00:44	30° \mathbb{M}	
min. Earth dist.	-12471 Mar 03 j 17:13	17° \mathbb{M} 46'49	0.57211 AU	min. Earth dist.	-12470 Feb 13 j 09:46	28° \mathbb{M} 07'58	0.55951 AU
inferior conj	-12471 Mar 06 j 12:43	15° \mathbb{M} 53'30	-1°28'51	inferior conj	-12470 Feb 15 j 01:30	27° \mathbb{M} 08'28	0°03'13
minimum elong	-12471 Mar 06 j 09:46	15° \mathbb{M} 58'30	1°28'47	minimum elong	-12470 Feb 15 j 01:37	27° \mathbb{M} 08'19	0°02'32
morning rise	-12471 Mar 14 j 23:40	11° \mathbb{M} 38'20		transit middle	-12470 Feb 15 j 01:37	27° \mathbb{M} 08'19	0°02'32
direct	-12471 Mar 17 j 04:06	11° \mathbb{M} 24'15		transit begin	-12470 Feb 14 j 21:38	27° \mathbb{M} 14'17	
morning max el	-12471 Mar 26 j 03:55	15° \mathbb{M} 40'12	19°10'46	transit end	-12470 Feb 15 j 05:35	27° \mathbb{M} 02'21	
	-12471 Apr 05 j 09:12	0° \mathbb{M}		desc. node	-12470 Feb 15 j 06:34	27° \mathbb{M} 00'53	
asc. node	-12471 Apr 09 j 00:13	6° \mathbb{M} 42'47		morning rise	-12470 Feb 24 j 04:04	23° \mathbb{M} 03'52	
morning set	-12471 Apr 11 j 23:30	12° \mathbb{M} 29'59		direct	-12470 Feb 26 j 08:15	22° \mathbb{M} 51'58	
				morning max el	-12470 Mar 08 j 22:05	27° \mathbb{M} 53'22	20°12'22
superior conj	-12471 Apr 20 j 12:17	29° \mathbb{M} 17'57	1°28'04		-12470 Mar 10 j 23:00	0° \mathbb{M}	
minimum elong	-12471 Apr 20 j 09:13	29° \mathbb{M} 03'08	1°27'05	asc. node	-12470 Mar 26 j 21:15	26° \mathbb{M} 28'40	
	-12471 Apr 20 j 21:01	0° \mathbb{M}		morning set	-12470 Mar 27 j 02:51	26° \mathbb{M} 56'57	
max. Earth dist.	-12471 Apr 26 j 19:06	11° \mathbb{M} 06'14	1.38102 AU		-12470 Mar 28 j 14:51	0° \mathbb{M}	
evening rise	-12471 Apr 30 j 19:53	18° \mathbb{M} 18'48					
	-12471 May 07 j 17:36	0° \mathbb{M}		superior conj	-12470 Apr 04 j 00:16	13° \mathbb{M} 00'58	1°08'32
desc. node	-12471 May 27 j 07:56	28° \mathbb{M} 57'00		minimum elong	-12470 Apr 03 j 21:29	12° \mathbb{M} 47'03	1°07'24
	-12471 May 28 j 03:27	0° \mathbb{M}		max. Earth dist.	-12470 Apr 08 j 23:47	22° \mathbb{M} 48'50	1.36400 AU
evening max el	-12471 Jun 05 j 13:44	9° \mathbb{M} 45'19	24°45'24		-12470 Apr 12 j 19:25	0° \mathbb{M}	
retrograde	-12471 Jun 17 j 01:38	16° \mathbb{M} 32'39		evening rise	-12470 Apr 13 j 04:38	0° \mathbb{M} 42'22	
evening set	-12471 Jun 22 j 18:13	14° \mathbb{M} 03'37			-12470 Apr 30 j 20:41	0° \mathbb{M}	
min. Earth dist.	-12471 Jun 27 j 07:04	8° \mathbb{M} 47'08	0.66939 AU	desc. node	-12470 May 14 j 05:25	17° \mathbb{M} 57'07	
inferior conj	-12471 Jun 28 j 00:48	7° \mathbb{M} 47'33	-2°14'26	evening max el	-12470 May 18 j 23:41	23° \mathbb{M} 07'46	25°58'03
minimum elong	-12471 Jun 28 j 02:59	7° \mathbb{M} 40'13	2°13'43		-12470 May 28 j 22:42	0° \mathbb{M}	
morning rise	-12471 Jul 03 j 11:42	1° \mathbb{M} 41'55		retrograde	-12470 May 31 j 10:21	0° \mathbb{M} 22'06	
asc. node	-12471 Jul 06 j 01:14	0° \mathbb{M} 28'48			-12470 Jun 02 j 19:02	30° \mathbb{M}	
direct	-12471 Jul 07 j 05:28	0° \mathbb{M} 20'58		evening set	-12470 Jun 06 j 16:32	27° \mathbb{M} 39'46	
morning max el	-12471 Jul 15 j 01:51	4° \mathbb{M} 58'07	20°17'55	min. Earth dist.	-12470 Jun 10 j 20:39	23° \mathbb{M} 02'36	0.66305 AU
	-12471 Aug 02 j 05:42	0° \mathbb{M}		inferior conj	-12470 Jun 12 j 03:13	21° \mathbb{M} 24'50	-2°46'35
morning set	-12471 Aug 11 j 04:20	13° \mathbb{M} 46'07		minimum elong	-12470 Jun 12 j 05:25	21° \mathbb{M} 17'47	2°46'15
	-12471 Aug 21 j 11:31	0° \mathbb{M}		morning rise	-12470 Jun 17 j 18:22	15° \mathbb{M} 31'00	
max. Earth dist.	-12471 Aug 22 j 05:02	1° \mathbb{M} 10'08	1.43678 AU	direct	-12470 Jun 21 j 03:29	14° \mathbb{M} 24'52	
desc. node	-12471 Aug 23 j 04:23	2° \mathbb{M} 43'55		asc. node	-12470 Jun 22 j 21:59	14° \mathbb{M} 42'10	
				morning max el	-12470 Jun 28 j 05:58	18° \mathbb{M} 28'39	19°19'02
superior conj	-12471 Aug 27 j 09:26	9° \mathbb{M} 34'01	-0°25'01		-12470 Jul 07 j 01:23	0° \mathbb{M}	
minimum elong	-12471 Aug 27 j 07:00	9° \mathbb{M} 24'01	0°23'59	morning set	-12470 Jul 21 j 13:36	22° \mathbb{M} 33'22	
	-12471 Sep 08 j 13:08	0° \mathbb{M}			-12470 Jul 26 j 06:52	0° \mathbb{M}	
evening rise	-12471 Sep 09 j 12:05	1° \mathbb{M} 38'45		max. Earth dist.	-12470 Aug 04 j 20:19	15° \mathbb{M} 06'09	1.44455 AU
evening max el	-12471 Sep 27 j 02:19	28° \mathbb{M} 52'56	18°12'04				
	-12471 Sep 28 j 06:50	0° \mathbb{M}		superior conj	-12470 Aug 06 j 20:49	18° \mathbb{M} 18'40	0°18'56
asc. node	-12471 Oct 02 j 01:32	2° \mathbb{M} 12'20		minimum elong	-12470 Aug 06 j 23:07	18° \mathbb{M} 27'49	0°19'13
retrograde	-12471 Oct 03 j 17:13	2° \mathbb{M} 26'24		desc. node	-12470 Aug 10 j 01:43	23° \mathbb{M} 25'15	
evening set	-12471 Oct 06 j 09:00	1° \mathbb{M} 50'28			-12470 Aug 14 j 04:02	0° \mathbb{M}	
	-12471 Oct 09 j 05:10	30° \mathbb{M}		evening rise	-12470 Aug 21 j 23:50	12° \mathbb{M} 44'39	
inferior conj	-12471 Oct 12 j 20:02	26° \mathbb{M} 28'20	2°59'38		-12470 Sep 01 j 14:17	0° \mathbb{M}	
minimum elong	-12471 Oct 12 j 16:18	26° \mathbb{M} 38'15	2°59'18	evening max el	-12470 Sep 10 j 15:48	12° \mathbb{M} 21'16	18°34'36
min. Earth dist.	-12471 Oct 15 j 05:55	23° \mathbb{M} 54'59	0.63164 AU	retrograde	-12470 Sep 17 j 08:02	16° \mathbb{M} 03'35	
morning rise	-12471 Oct 18 j 22:40	20° \mathbb{M} 32'37		asc. node	-12470 Sep 18 j 22:40	15° \mathbb{M} 49'10	
direct	-12471 Oct 25 j 22:55	17° \mathbb{M} 53'00		evening set	-12470 Sep 20 j 05:31	15° \mathbb{M} 17'10	
morning max el	-12471 Nov 08 j 14:15	25° \mathbb{M} 24'16	27°32'14	inferior conj	-12470 Sep 26 j 06:54	9° \mathbb{M} 38'42	2°10'37
	-12471 Nov 12 j 22:01	0° \mathbb{M}		minimum elong	-12470 Sep 26 j 03:57	9° \mathbb{M} 47'19	2°10'23

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12470 Sep 28 j 03:54	7° Ω 27'16	0.64577 AU	morning rise	-12469 Sep 15 j 15:25	16° Π 44'17	
morning rise	-12470 Oct 02 j 01:46	3° Ω 30'55		direct	-12469 Sep 21 j 19:53	14° Π 07'54	
direct	-12470 Oct 08 j 18:20	0° Ω 47'50		morning max el	-12469 Oct 04 j 10:29	21° Π 28'14	26°13'17
morning max el	-12470 Oct 21 j 23:59	8° Ω 18'01	27°06'10		-12469 Oct 11 j 23:04	0° Ω	
desc. node	-12470 Nov 06 j 01:10	26° Ω 58'42		desc. node	-12469 Oct 23 j 21:55	16° Ω 38'44	
	-12470 Nov 08 j 02:18	0° Ω			-12469 Nov 01 j 06:09	0° Ω	
	-12470 Nov 25 j 15:34	0° Π		morning set	-12469 Nov 09 j 09:17	14° Ω 23'32	
morning set	-12470 Nov 26 j 06:32	1° Π 12'15		max. Earth dist.	-12469 Nov 13 j 13:01	22° Ω 18'16	1.35692 AU
max. Earth dist.	-12470 Dec 01 j 00:15	10° Π 39'01	1.34355 AU		-12469 Nov 17 j 09:59	0° Π	
superior conj	-12470 Dec 04 j 10:23	17° Π 45'12	-1°25'58	superior conj	-12469 Nov 18 j 09:40	2° Π 00'11	-1°34'38
minimum elong	-12470 Dec 04 j 12:08	17° Π 54'26	1°25'38	minimum elong	-12469 Nov 18 j 10:39	2° Π 05'11	1°34'13
	-12470 Dec 10 j 05:16	0° Ω		evening rise	-12469 Nov 26 j 01:41	17° Π 49'17	
evening rise	-12470 Dec 11 j 17:37	3° Ω 10'27			-12469 Dec 02 j 06:27	0° Ω	
asc. node	-12470 Dec 15 j 20:34	11° Ω 31'42		asc. node	-12469 Dec 02 j 17:58	0° Ω 52'44	
	-12470 Dec 26 j 22:39	0° Π		evening max el	-12469 Dec 14 j 20:36	17° Ω 56'13	20°31'42
evening max el	-12469 Jan 01 j 16:54	6° Π 32'44	21°54'44	retrograde	-12469 Dec 25 j 13:49	22° Ω 58'08	
retrograde	-12469 Jan 13 j 22:10	12° Π 20'42		evening set	-12469 Dec 28 j 06:24	22° Ω 40'24	
evening set	-12469 Jan 17 j 00:04	11° Π 59'37		inferior conj	-12468 Jan 05 j 23:58	18° Ω 40'32	3°13'57
inferior conj	-12469 Jan 26 j 01:09	7° Π 55'45	1°46'37	minimum elong	-12468 Jan 06 j 05:41	18° Ω 32'01	3°12'27
minimum elong	-12469 Jan 26 j 05:28	7° Π 49'36	1°44'52	min. Earth dist.	-12468 Jan 07 j 13:28	17° Ω 44'53	0.55836 AU
min. Earth dist.	-12469 Jan 26 j 00:07	7° Π 57'13	0.55464 AU	morning rise	-12468 Jan 15 j 03:29	14° Ω 16'51	
desc. node	-12469 Feb 02 j 03:20	4° Π 26'36		direct	-12468 Jan 18 j 17:07	13° Ω 48'51	
morning rise	-12469 Feb 04 j 11:01	3° Π 49'07		desc. node	-12468 Jan 20 j 00:00	13° Ω 52'37	
direct	-12469 Feb 07 j 00:55	3° Π 34'04		morning max el	-12468 Feb 01 j 01:36	20° Ω 23'30	23°05'30
morning max el	-12469 Feb 19 j 04:57	9° Π 25'42	21°32'18		-12468 Feb 09 j 02:19	0° Π	
	-12469 Mar 05 j 12:55	0° Ω		morning set	-12468 Feb 23 j 22:45	26° Π 42'59	
morning set	-12469 Mar 11 j 11:19	11° Ω 43'37			-12468 Feb 25 j 12:13	0° Ω	
asc. node	-12469 Mar 13 j 18:20	16° Ω 29'43		asc. node	-12468 Feb 28 j 15:28	6° Ω 41'15	
superior conj	-12469 Mar 18 j 21:56	27° Ω 16'28	0°46'15	superior conj	-12468 Mar 02 j 02:20	11° Ω 55'32	0°22'50
minimum elong	-12469 Mar 18 j 19:58	27° Ω 06'17	0°45'09	minimum elong	-12468 Mar 02 j 01:23	11° Ω 50'27	0°21'55
	-12469 Mar 20 j 05:35	0° Ω		max. Earth dist.	-12468 Mar 04 j 13:09	17° Ω 06'06	1.33942 AU
max. Earth dist.	-12469 Mar 22 j 13:32	4° Ω 44'49	1.34996 AU	evening rise	-12468 Mar 09 j 21:20	27° Ω 59'18	
evening rise	-12469 Mar 27 j 06:43	14° Ω 00'38			-12468 Mar 10 j 21:55	0° Ω	
	-12469 Apr 05 j 03:07	0° Ω			-12468 Mar 28 j 08:35	0° Ω	
	-12469 Apr 25 j 14:06	0° Π		evening max el	-12468 Apr 12 j 20:51	19° Ω 29'37	27°23'33
desc. node	-12469 May 01 j 02:50	6° Π 07'06		desc. node	-12468 Apr 17 j 00:09	23° Ω 06'39	
evening max el	-12469 May 01 j 10:22	6° Π 25'46	26°53'20	retrograde	-12468 Apr 26 j 12:12	27° Ω 05'13	
retrograde	-12469 May 14 j 14:01	13° Π 55'34		evening set	-12468 May 03 j 10:19	24° Ω 26'15	
evening set	-12469 May 21 j 06:52	11° Π 08'53		min. Earth dist.	-12468 May 07 j 02:50	21° Ω 01'21	0.63849 AU
min. Earth dist.	-12469 May 25 j 03:47	7° Π 10'23	0.65275 AU	inferior conj	-12468 May 09 j 14:17	18° Ω 20'36	-3°22'44
inferior conj	-12469 May 27 j 00:34	4° Π 57'15	-3°10'12	minimum elong	-12468 May 09 j 14:58	18° Ω 18'44	3°23'14
minimum elong	-12469 May 27 j 02:17	4° Π 52'05	3°10'19	morning rise	-12468 May 15 j 20:26	12° Ω 58'11	
	-12469 May 31 j 20:28	30° Ω		direct	-12468 May 18 j 16:49	12° Ω 16'23	
morning rise	-12469 Jun 01 j 22:02	29° Ω 18'01		morning max el	-12468 May 25 j 04:24	15° Ω 42'00	18°10'13
direct	-12469 Jun 05 j 00:08	28° Ω 24'55		asc. node	-12468 May 26 j 15:29	17° Ω 16'42	
	-12469 Jun 09 j 06:18	0° Π			-12468 Jun 04 j 08:00	0° Π	
asc. node	-12469 Jun 09 j 18:44	0° Π 23'18		morning set	-12468 Jun 12 j 02:55	13° Π 12'28	
morning max el	-12469 Jun 11 j 15:29	2° Π 04'25	18°36'00		-12468 Jun 22 j 02:11	0° Π	
	-12469 Jun 30 j 09:52	0° Π					
morning set	-12469 Jul 01 j 19:40	2° Π 18'10		superior conj	-12468 Jun 25 j 07:56	5° Π 18'59	1°32'50
superior conj	-12469 Jul 16 j 20:53	26° Π 32'15	1°01'51	minimum elong	-12468 Jun 25 j 13:25	5° Π 41'18	1°32'31
minimum elong	-12469 Jul 17 j 03:13	26° Π 57'22	1°01'32	max. Earth dist.	-12468 Jun 30 j 04:12	13° Π 08'30	1.43906 AU
max. Earth dist.	-12469 Jul 18 j 13:15	29° Π 12'18	1.44529 AU		-12468 Jul 10 j 20:47	0° Π	
	-12469 Jul 19 j 01:17	0° Π		evening rise	-12468 Jul 11 j 16:38	1° Π 17'09	
desc. node	-12469 Jul 27 j 23:10	14° Π 04'43		desc. node	-12468 Jul 13 j 20:40	4° Π 38'48	
evening rise	-12469 Aug 02 j 08:29	22° Π 35'20			-12468 Jul 30 j 19:05	0° Π	
	-12469 Aug 07 j 01:07	0° Π		evening max el	-12468 Aug 07 j 07:44	9° Π 20'42	20°09'19
evening max el	-12469 Aug 25 j 02:25	25° Π 51'59	19°14'07	retrograde	-12468 Aug 14 j 23:50	13° Π 48'03	
retrograde	-12469 Sep 01 j 03:07	29° Π 52'14		evening set	-12468 Aug 18 j 15:24	12° Π 31'05	
evening set	-12469 Sep 04 j 08:33	28° Π 52'09		asc. node	-12468 Aug 22 j 16:39	8° Π 21'12	
asc. node	-12469 Sep 05 j 19:42	27° Π 46'30		inferior conj	-12468 Aug 24 j 02:46	6° Π 29'36	0°26'39
inferior conj	-12469 Sep 10 j 01:59	23° Π 00'36	1°18'43	minimum elong	-12468 Aug 24 j 02:09	6° Π 31'38	0°27'07
minimum elong	-12469 Sep 10 j 00:10	23° Π 06'18	1°18'48	min. Earth dist.	-12468 Aug 25 j 00:10	5° Π 18'26	0.66493 AU
min. Earth dist.	-12469 Sep 11 j 10:42	21° Π 17'30	0.65683 AU	morning rise	-12468 Aug 29 j 12:40	0° Π 08'46	
					-12468 Aug 29 j 16:46	30° Ω	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12468 Sep 04 j 03:15	27°♄45'40		minimum elong	-12467 Aug 08 j 07:38	20°♄01'44	0°22'48
	-12468 Sep 10 j 07:07	0°♄		min. Earth dist.	-12467 Aug 08 j 17:54	19°♄26'33	0.67013 AU
morning max el	-12468 Sep 15 j 20:28	4°♄43'43	25°01'21	asc. node	-12467 Aug 09 j 13:30	18°♄19'58	
	-12468 Oct 05 j 09:27	0°♄		morning rise	-12467 Aug 13 j 15:14	13°♄42'09	
desc. node	-12468 Oct 09 j 18:43	6°♄42'02		direct	-12467 Aug 18 j 15:46	11°♄35'57	
morning set	-12468 Oct 21 j 18:10	26°♄37'28		morning max el	-12467 Aug 29 j 06:37	17°♄59'11	23°39'20
	-12468 Oct 23 j 15:29	0°♄			-12467 Sep 08 j 06:39	0°♄	
max. Earth dist.	-12468 Oct 25 j 15:57	3°♄41'06	1.37413 AU	desc. node	-12467 Sep 26 j 15:40	27°♄01'57	
					-12467 Sep 28 j 12:04	0°♄	
superior conj	-12468 Oct 31 j 23:25	15°♄41'30	-1°37'02	morning set	-12467 Oct 03 j 03:58	7°♄41'01	
minimum elong	-12468 Oct 31 j 23:04	15°♄39'48	1°36'29	max. Earth dist.	-12467 Oct 07 j 14:32	15°♄17'54	1.39372 AU
	-12468 Nov 08 j 03:31	0°♄					
evening rise	-12468 Nov 09 j 05:15	2°♄08'59		superior conj	-12467 Oct 14 j 23:39	28°♄38'25	-1°31'13
asc. node	-12468 Nov 18 j 15:21	19°♄41'32		minimum elong	-12467 Oct 14 j 21:33	28°♄28'36	1°30'26
evening max el	-12468 Nov 26 j 10:29	29°♄53'11	19°25'40		-12467 Oct 15 j 17:06	0°♄	
	-12468 Nov 26 j 13:22	0°♄		evening rise	-12467 Oct 24 j 01:58	16°♄03'49	
retrograde	-12468 Dec 05 j 15:26	4°♄14'53			-12467 Oct 31 j 13:17	0°♄	
evening set	-12468 Dec 08 j 04:08	3°♄56'37		asc. node	-12467 Nov 05 j 12:40	7°♄47'52	
inferior conj	-12468 Dec 16 j 10:12	29°♄46'17	4°04'45	evening max el	-12467 Nov 09 j 10:13	12°♄22'44	18°39'25
minimum elong	-12468 Dec 16 j 13:20	29°♄41'06	4°04'27	retrograde	-12467 Nov 17 j 09:50	16°♄16'04	
	-12468 Dec 16 j 01:55	30°♄		evening set	-12467 Nov 19 j 21:10	15°♄55'05	
min. Earth dist.	-12468 Dec 19 j 03:01	27°♄59'18	0.56967 AU	inferior conj	-12467 Nov 27 j 14:36	11°♄25'37	4°17'01
morning rise	-12468 Dec 24 j 20:23	24°♄58'36		minimum elong	-12467 Nov 27 j 13:59	11°♄26'49	4°17'16
direct	-12468 Dec 29 j 18:34	24°♄03'09		min. Earth dist.	-12467 Nov 30 j 18:49	9°♄01'19	0.58609 AU
desc. node	-12467 Jan 05 j 20:36	25°♄57'52		morning rise	-12467 Dec 05 j 04:54	6°♄15'31	
	-12467 Jan 11 j 12:24	0°♄		direct	-12467 Dec 11 j 07:53	4°♄43'00	
morning max el	-12467 Jan 12 j 16:37	1°♄04'59	24°41'48	desc. node	-12467 Dec 23 j 17:09	10°♄27'50	
	-12467 Feb 01 j 14:26	0°♄		morning max el	-12467 Dec 25 j 08:37	11°♄57'52	26°06'39
morning set	-12467 Feb 07 j 11:15	11°♄47'34			-12466 Jan 08 j 10:40	0°♄	
				morning set	-12466 Jan 22 j 23:02	26°♄50'45	
superior conj	-12467 Feb 14 j 11:04	26°♄49'37	-0°00'39		-12466 Jan 24 j 10:52	0°♄	
minimum elong	-12467 Feb 14 j 11:08	26°♄49'56	0°01'17				
behind sun begin	-12467 Feb 14 j 06:03	26°♄22'27		superior conj	-12466 Jan 29 j 22:15	11°♄51'53	-0°23'15
behind sun end	-12467 Feb 14 j 16:13	27°♄17'23		minimum elong	-12466 Jan 29 j 23:11	11°♄57'00	0°23'35
asc. node	-12467 Feb 14 j 12:42	26°♄58'26		max. Earth dist.	-12466 Jan 30 j 08:58	12°♄50'19	1.32856 AU
	-12467 Feb 15 j 22:22	0°♄		asc. node	-12466 Feb 01 j 09:58	17°♄16'43	
max. Earth dist.	-12467 Feb 15 j 20:41	29°♄50'57	1.33233 AU	evening rise	-12466 Feb 06 j 02:02	27°♄11'05	
evening rise	-12467 Feb 21 j 20:42	12°♄26'00			-12466 Feb 07 j 11:01	0°♄	
	-12467 Mar 03 j 03:09	0°♄			-12466 Feb 24 j 16:24	0°♄	
	-12467 Mar 24 j 02:38	0°♄		evening max el	-12466 Mar 08 j 09:18	14°♄13'16	26°50'04
evening max el	-12467 Mar 26 j 05:12	2°♄08'28	27°23'15	desc. node	-12466 Mar 21 j 18:25	21°♄38'17	
desc. node	-12467 Apr 03 j 21:21	8°♄28'10		retrograde	-12466 Mar 22 j 11:53	21°♄39'40	
retrograde	-12467 Apr 09 j 04:01	9°♄42'28		evening set	-12466 Mar 28 j 19:43	19°♄53'20	
evening set	-12467 Apr 15 j 23:40	7°♄24'34		min. Earth dist.	-12466 Apr 01 j 22:40	17°♄02'02	0.60122 AU
min. Earth dist.	-12467 Apr 19 j 17:02	4°♄23'12	0.62083 AU	inferior conj	-12466 Apr 05 j 06:15	14°♄14'47	-2°58'10
inferior conj	-12467 Apr 22 j 17:21	1°♄29'08	-3°20'27	minimum elong	-12466 Apr 05 j 03:39	14°♄20'17	2°58'31
minimum elong	-12467 Apr 22 j 16:28	1°♄31'16	3°21'04	morning rise	-12466 Apr 12 j 14:05	9°♄30'21	
	-12467 Apr 24 j 07:01	30°♄		direct	-12466 Apr 15 j 01:13	9°♄06'35	
morning rise	-12467 Apr 29 j 10:52	26°♄25'10		morning max el	-12466 Apr 22 j 06:27	12°♄38'41	18°13'45
direct	-12467 May 02 j 02:26	25°♄53'09		asc. node	-12466 Apr 30 j 09:04	23°♄41'53	
morning max el	-12467 May 08 j 18:18	29°♄15'53	18°02'35		-12466 May 03 j 23:33	0°♄	
	-12467 May 09 j 11:34	0°♄		morning set	-12466 May 08 j 08:55	8°♄06'23	
asc. node	-12467 May 13 j 12:14	5°♄07'15					
morning set	-12467 May 25 j 08:54	25°♄12'08		superior conj	-12466 May 18 j 10:16	26°♄37'46	1°47'32
	-12467 May 28 j 01:21	0°♄		minimum elong	-12466 May 18 j 08:56	26°♄31'44	1°47'03
					-12466 May 20 j 07:45	0°♄	
superior conj	-12467 Jun 05 j 19:56	15°♄19'10	1°47'25	max. Earth dist.	-12466 May 25 j 19:21	9°♄29'18	1.41028 AU
minimum elong	-12467 Jun 05 j 21:42	15°♄26'41	1°47'09	evening rise	-12466 May 31 j 08:05	18°♄40'08	
max. Earth dist.	-12467 Jun 12 j 14:28	26°♄37'46	1.42682 AU		-12466 Jun 07 j 11:25	0°♄	
	-12467 Jun 14 j 16:10	0°♄		desc. node	-12466 Jun 17 j 15:46	15°♄14'25	
evening rise	-12467 Jun 20 j 16:55	9°♄36'54			-12466 Jun 28 j 13:11	0°♄	
desc. node	-12467 Jun 30 j 18:12	25°♄03'46		evening max el	-12466 Jul 03 j 22:12	6°♄06'24	22°36'36
	-12467 Jul 04 j 01:45	0°♄		retrograde	-12466 Jul 13 j 14:25	11°♄50'43	
evening max el	-12467 Jul 21 j 06:18	22°♄45'37	21°18'02	evening set	-12466 Jul 18 j 08:02	9°♄52'38	
retrograde	-12467 Jul 29 j 20:07	27°♄48'37		inferior conj	-12466 Jul 23 j 13:17	3°♄39'33	-1°10'28
evening set	-12467 Aug 02 j 23:53	26°♄11'54		minimum elong	-12466 Jul 23 j 14:39	3°♄34'48	1°09'33
inferior conj	-12467 Aug 08 j 07:09	20°♄03'24	-0°23'34	min. Earth dist.	-12466 Jul 23 j 13:25	3°♄39'04	0.67236 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12466 Jul 26 j 07:32	30° Υ		min. Earth dist.	-12465 Jul 07 j 08:25	17° Υ 54'46	0.67149 AU
asc. node	-12466 Jul 27 j 10:18	28° Υ 43'48		morning rise	-12465 Jul 13 j 04:45	11° Υ 06'29	
morning rise	-12466 Jul 28 j 21:10	27° Υ 21'50		asc. node	-12465 Jul 14 j 07:06	10° Υ 23'14	
direct	-12466 Aug 02 j 08:31	25° Υ 33'49		direct	-12465 Jul 17 j 04:24	9° Υ 36'10	
	-12466 Aug 10 j 13:02	0° ♄		morning max el	-12465 Jul 25 j 13:32	14° Υ 35'09	20°57'59
morning max el	-12466 Aug 11 j 19:24	1° ♄ 14'57	22°15'49		-12465 Aug 06 j 12:11	0° ♄	
	-12466 Sep 02 j 05:35	0° ♂		morning set	-12465 Aug 23 j 21:13	26° ♂ 14'09	
morning set	-12466 Sep 13 j 11:29	17° ♂ 27'47			-12465 Aug 26 j 06:48	0° ♂	
desc. node	-12466 Sep 13 j 12:44	17° ♂ 32'48		desc. node	-12465 Aug 31 j 09:55	8° ♂ 10'24	
max. Earth dist.	-12466 Sep 19 j 15:59	27° ♂ 36'38	1.41310 AU	max. Earth dist.	-12465 Sep 01 j 23:37	10° ♂ 42'51	1.42954 AU
	-12466 Sep 21 j 02:03	0° ♄					
				superior conj	-12465 Sep 08 j 10:01	21° ♂ 20'27	-0°46'43
superior conj	-12466 Sep 27 j 05:08	10° ♄ 36'28	-1°15'02	minimum elong	-12465 Sep 08 j 06:13	21° ♂ 04'30	0°45'31
minimum elong	-12466 Sep 27 j 01:25	10° ♄ 20'03	1°13'57		-12465 Sep 13 j 11:56	0° ♄	
evening rise	-12466 Oct 07 j 12:44	29° ♄ 26'10		evening rise	-12465 Sep 20 j 09:30	12° ♄ 06'10	
	-12466 Oct 07 j 20:01	0° ♄			-12465 Sep 30 j 19:26	0° ♄	
asc. node	-12466 Oct 23 j 09:56	24° ♄ 58'55		evening max el	-12465 Oct 07 j 05:38	8° ♄ 31'31	18°07'09
evening max el	-12466 Oct 23 j 17:34	25° ♄ 18'10	18°13'27	asc. node	-12465 Oct 10 j 07:10	10° ♄ 59'09	
retrograde	-12466 Oct 30 j 21:33	28° ♄ 55'50		retrograde	-12465 Oct 13 j 23:07	12° ♄ 04'09	
evening set	-12466 Nov 02 j 09:04	28° ♄ 30'35		evening set	-12465 Oct 16 j 12:39	11° ♄ 32'51	
inferior conj	-12466 Nov 09 j 13:58	23° ♄ 39'17	4°00'14	inferior conj	-12465 Oct 23 j 05:50	6° ♄ 21'00	3°25'03
minimum elong	-12466 Nov 09 j 10:53	23° ♄ 46'03	4°00'18	minimum elong	-12465 Oct 23 j 01:58	6° ♄ 30'37	3°24'48
min. Earth dist.	-12466 Nov 12 j 16:13	20° ♄ 57'19	0.60443 AU	min. Earth dist.	-12465 Oct 25 j 22:33	3° ♄ 40'14	0.62222 AU
morning rise	-12466 Nov 16 j 11:17	18° ♄ 09'22		morning rise	-12465 Oct 29 j 14:13	0° ♄ 33'40	
direct	-12466 Nov 23 j 07:22	16° ♄ 02'11			-12465 Oct 30 j 10:17	30° ♄	
morning max el	-12466 Dec 07 j 06:28	23° ♄ 24'33	27°06'23	direct	-12465 Nov 05 j 15:31	28° ♄ 02'17	
desc. node	-12466 Dec 10 j 13:44	26° ♄ 50'06			-12465 Nov 12 j 07:39	0° ♄	
	-12466 Dec 13 j 06:43	0° ♄		morning max el	-12465 Nov 19 j 10:47	5° ♄ 31'14	27°32'54
	-12465 Jan 01 j 10:07	0° ♄		desc. node	-12465 Nov 27 j 10:20	14° ♄ 33'29	
morning set	-12465 Jan 07 j 08:18	11° ♄ 45'59			-12465 Dec 08 j 01:38	0° ♄	
				morning set	-12465 Dec 22 j 12:52	26° ♄ 24'41	
superior conj	-12465 Jan 14 j 10:10	26° ♄ 56'07	-0°44'17		-12465 Dec 24 j 06:46	0° ♄	
minimum elong	-12465 Jan 14 j 11:46	27° ♄ 04'52	0°44'21	max. Earth dist.	-12465 Dec 28 j 09:11	8° ♄ 41'24	1.33098 AU
max. Earth dist.	-12465 Jan 13 j 22:26	25° ♄ 52'05	1.32804 AU				
	-12465 Jan 15 j 19:50	0° ♄		superior conj	-12465 Dec 29 j 21:05	11° ♄ 55'17	-1°03'03
asc. node	-12465 Jan 19 j 07:18	7° ♄ 32'10		minimum elong	-12465 Dec 29 j 23:03	12° ♄ 05'59	1°02'54
evening rise	-12465 Jan 21 j 11:08	12° ♄ 06'44		evening rise	-12464 Jan 05 j 22:06	27° ♄ 05'02	
	-12465 Jan 30 j 16:34	0° ♄		asc. node	-12464 Jan 06 j 04:40	27° ♄ 39'31	
evening max el	-12465 Feb 18 j 07:51	25° ♄ 41'34	25°46'42		-12464 Jan 07 j 07:43	0° ♄	
	-12465 Feb 23 j 16:37	0° ♄			-12464 Jan 25 j 01:29	0° ♄	
retrograde	-12465 Mar 04 j 09:47	2° ♄ 54'41		evening max el	-12464 Jan 31 j 01:47	6° ♄ 40'44	24°21'37
desc. node	-12465 Mar 08 j 15:23	2° ♄ 11'13		retrograde	-12464 Feb 13 j 20:05	13° ♄ 31'25	
evening set	-12465 Mar 09 j 21:02	1° ♄ 42'40		evening set	-12464 Feb 18 j 05:46	12° ♄ 47'53	
	-12465 Mar 13 j 01:50	30° ♄		desc. node	-12464 Feb 23 j 12:16	10° ♄ 17'50	
min. Earth dist.	-12465 Mar 14 j 21:15	28° ♄ 47'43	0.58196 AU	min. Earth dist.	-12464 Feb 24 j 15:11	9° ♄ 36'51	0.56599 AU
inferior conj	-12465 Mar 18 j 01:30	26° ♄ 29'17	-2°09'58	inferior conj	-12464 Feb 27 j 00:56	8° ♄ 05'07	-0°52'35
minimum elong	-12465 Mar 17 j 22:03	26° ♄ 35'36	2°09'55	minimum elong	-12464 Feb 26 j 22:57	8° ♄ 08'18	0°52'42
morning rise	-12465 Mar 26 j 02:14	22° ♄ 04'17		morning rise	-12464 Mar 06 j 19:09	3° ♄ 56'04	
direct	-12465 Mar 28 j 09:03	21° ♄ 47'12		direct	-12464 Mar 08 j 22:49	3° ♄ 43'23	
morning max el	-12465 Apr 05 j 14:02	25° ♄ 42'27	18°44'18	morning max el	-12464 Mar 18 j 13:57	8° ♄ 16'45	19°34'38
	-12465 Apr 09 j 07:57	0° ♄			-12464 Apr 01 j 21:15	0° ♄	
asc. node	-12465 Apr 17 j 05:59	12° ♄ 50'46		asc. node	-12464 Apr 03 j 02:58	2° ♄ 24'50	
morning set	-12465 Apr 21 j 22:28	21° ♄ 44'43		morning set	-12464 Apr 04 j 21:38	5° ♄ 56'10	
	-12465 Apr 26 j 04:33	0° ♄					
				superior conj	-12464 Apr 13 j 03:14	22° ♄ 23'27	1°20'14
superior conj	-12465 Apr 30 j 22:33	9° ♄ 04'26	1°37'14	minimum elong	-12464 Apr 13 j 00:12	22° ♄ 08'34	1°19'11
minimum elong	-12465 Apr 30 j 19:43	8° ♄ 51'06	1°36'25		-12464 Apr 17 j 01:44	0° ♄	
max. Earth dist.	-12465 May 07 j 20:19	21° ♄ 41'38	1.39171 AU	max. Earth dist.	-12464 Apr 18 j 21:31	3° ♄ 25'57	1.37347 AU
evening rise	-12465 May 12 j 02:04	29° ♄ 03'38		evening rise	-12464 Apr 22 j 22:09	10° ♄ 47'03	
	-12465 May 12 j 15:20	0° ♄			-12464 May 04 j 08:10	0° ♄	
	-12465 May 31 j 21:41	0° ♄		desc. node	-12464 May 21 j 10:46	24° ♄ 26'09	
desc. node	-12465 Jun 04 j 13:17	5° ♄ 04'40			-12464 May 26 j 03:43	0° ♄	
evening max el	-12465 Jun 16 j 09:23	19° ♄ 25'47	23°59'04	evening max el	-12464 May 28 j 18:52	2° ♄ 46'21	25°17'49
retrograde	-12465 Jun 27 j 05:39	25° ♄ 51'37		retrograde	-12464 Jun 09 j 17:04	9° ♄ 46'58	
evening set	-12465 Jul 02 j 14:00	23° ♄ 32'44		evening set	-12464 Jun 15 j 15:46	7° ♄ 11'03	
inferior conj	-12465 Jul 07 j 19:25	17° ♄ 17'13	-1°52'43	min. Earth dist.	-12464 Jun 20 j 00:37	2° ♄ 11'25	0.66715 AU
minimum elong	-12465 Jul 07 j 21:24	17° ♄ 10'26	1°51'53	inferior conj	-12464 Jun 20 j 23:45	0° ♄ 55'08	-2°29'01

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12464 Jun 21 j 02:00	0° Υ 47'43	2°28'27	inferior conj	-12463 Jun 05 j 00:17	14° H 30'33	-2°57'51
	-12464 Jun 21 j 16:33	30° R H		minimum elong	-12463 Jun 05 j 02:21	14° H 24'07	2°57'41
morning rise	-12464 Jun 26 j 12:15	24° H 54'25		morning rise	-12463 Jun 10 j 17:52	8° H 42'36	
direct	-12464 Jun 30 j 02:03	23° H 40'12		direct	-12463 Jun 13 j 23:41	7° H 42'24	
asc. node	-12464 Jun 30 j 03:53	23° H 40'14		asc. node	-12463 Jun 17 j 00:38	8° H 32'13	
morning max el	-12464 Jul 07 j 14:09	28° H 02'09	19°51'06	morning max el	-12463 Jun 20 j 20:46	11° H 35'06	18°58'38
	-12464 Jul 09 j 08:58	0° Υ			-12463 Jul 04 j 00:41	0° Υ	
	-12464 Jul 29 j 23:34	0° S		morning set	-12463 Jul 12 j 17:40	13° Υ 53'04	
morning set	-12464 Aug 02 j 00:53	4° S 45'26			-12463 Jul 22 j 20:44	0° S	
max. Earth dist.	-12464 Aug 14 j 12:30	24° S 24'33	1.44083 AU	max. Earth dist.	-12463 Jul 28 j 04:20	8° S 24'55	1.44567 AU
desc. node	-12464 Aug 17 j 07:12	28° S 51'19					
				superior conj	-12463 Jul 28 j 15:17	9° S 08'16	0°38'00
superior conj	-12464 Aug 18 j 11:16	0° II 44'15	-0°06'59	minimum elong	-12463 Jul 28 j 19:44	9° S 25'52	0°37'57
minimum elong	-12464 Aug 18 j 10:34	0° II 41'25	0°06'15	desc. node	-12463 Aug 04 j 04:34	19° S 31'59	
behind sun begin	-12464 Aug 18 j 00:29	0° II 00'49			-12463 Aug 10 j 17:40	0° II	
behind sun end	-12464 Aug 18 j 20:38	1° II 22'05		evening rise	-12463 Aug 13 j 11:31	4° II 25'00	
	-12464 Aug 18 j 00:17	0° II			-12463 Aug 29 j 20:59	0° S	
evening rise	-12464 Sep 01 j 11:01	23° II 50'55		evening max el	-12463 Sep 03 j 08:00	5° S 25'35	18°49'28
	-12464 Sep 05 j 02:27	0° S		retrograde	-12463 Sep 10 j 03:06	9° S 14'31	
evening max el	-12464 Sep 19 j 19:26	21° S 56'05	18°19'31	evening set	-12463 Sep 13 j 03:37	8° S 22'52	
retrograde	-12464 Sep 26 j 10:13	25° S 32'41		asc. node	-12463 Sep 13 j 01:26	8° S 25'55	
asc. node	-12464 Sep 26 j 04:20	25° S 32'22		inferior conj	-12463 Sep 19 j 01:25	2° S 38'43	1°48'46
evening set	-12464 Sep 29 j 04:02	24° S 52'48		minimum elong	-12463 Sep 18 j 22:56	2° S 46'14	1°48'39
inferior conj	-12464 Oct 05 j 10:45	19° S 23'16	2°39'28	min. Earth dist.	-12463 Sep 20 j 17:12	0° S 38'24	0.65083 AU
minimum elong	-12464 Oct 05 j 07:17	19° S 32'54	2°39'08		-12463 Sep 21 j 06:13	30° R II	
min. Earth dist.	-12464 Oct 07 j 15:10	16° S 58'01	0.63792 AU	morning rise	-12463 Sep 24 j 17:42	26° II 26'42	
morning rise	-12464 Oct 11 j 09:43	13° S 21'42		direct	-12463 Oct 01 j 05:34	23° II 45'05	
direct	-12464 Oct 18 j 07:14	10° S 39'09			-12463 Oct 12 j 23:04	0° S	
morning max el	-12464 Oct 31 j 19:26	18° S 11'38	27°24'56	morning max el	-12463 Oct 14 j 05:36	1° S 13'06	26°46'27
	-12464 Nov 10 j 22:04	0° Ω		desc. node	-12463 Oct 31 j 03:42	22° S 36'21	
desc. node	-12464 Nov 13 j 07:01	3° Ω 14'43			-12463 Nov 04 j 23:15	0° Ω	
	-12464 Nov 29 j 20:10	0° M		morning set	-12463 Nov 18 j 20:48	24° Ω 14'56	
morning set	-12464 Dec 05 j 10:10	10° M 38'08			-12463 Nov 21 j 19:57	0° M	
max. Earth dist.	-12464 Dec 10 j 13:28	21° M 06'15	1.33774 AU	max. Earth dist.	-12463 Nov 23 j 07:54	2° M 58'53	1.34867 AU
superior conj	-12464 Dec 13 j 05:14	26° M 43'08	-1°18'43	superior conj	-12463 Nov 27 j 08:27	11° M 12'01	-1°30'19
minimum elong	-12464 Dec 13 j 07:12	26° M 53'37	1°18'27	minimum elong	-12463 Nov 27 j 09:57	11° M 19'46	1°29'58
	-12464 Dec 14 j 18:05	0° Ω		evening rise	-12463 Dec 04 j 18:54	26° M 45'46	
evening rise	-12464 Dec 20 j 09:15	12° Ω 00'06			-12463 Dec 06 j 08:43	0° Ω	
asc. node	-12464 Dec 23 j 02:04	17° Ω 33'36		asc. node	-12463 Dec 09 j 23:28	7° Ω 08'21	
	-12464 Dec 29 j 17:09	0° M		evening max el	-12463 Dec 24 j 18:20	28° Ω 39'31	21°17'44
evening max el	-12463 Jan 11 j 19:26	17° M 32'17	22°47'38		-12463 Dec 26 j 07:07	0° M	
retrograde	-12463 Jan 24 j 18:27	23° M 46'35		retrograde	-12462 Jan 05 j 09:02	4° M 07'21	
evening set	-12463 Jan 28 j 05:10	23° M 20'35		evening set	-12462 Jan 08 j 05:52	3° M 48'32	
min. Earth dist.	-12463 Feb 05 j 06:48	19° M 41'02	0.55641 AU		-12462 Jan 16 j 20:50	30° R Ω	
inferior conj	-12463 Feb 06 j 06:57	19° M 05'54	0°47'12	inferior conj	-12462 Jan 17 j 04:35	29° Ω 48'52	2°27'14
minimum elong	-12463 Feb 06 j 08:56	19° M 03'01	0°46'00	minimum elong	-12462 Jan 17 j 10:02	29° Ω 41'03	2°25'22
desc. node	-12463 Feb 09 j 09:05	17° M 21'40		min. Earth dist.	-12462 Jan 17 j 20:56	29° Ω 25'24	0.55518 AU
morning rise	-12463 Feb 15 j 14:06	15° M 02'21		morning rise	-12462 Jan 26 j 13:25	25° Ω 36'03	
direct	-12463 Feb 17 j 20:31	14° M 50'06		desc. node	-12462 Jan 27 j 05:48	25° Ω 28'17	
morning max el	-12463 Mar 01 j 03:33	20° M 13'07	20°44'17	direct	-12462 Jan 29 j 11:44	25° Ω 16'58	
	-12463 Mar 08 j 23:14	0° S			-12462 Feb 09 j 13:51	0° M	
morning set	-12463 Mar 20 j 03:24	20° S 31'52		morning max el	-12462 Feb 11 j 05:42	1° M 29'15	22°10'42
asc. node	-12463 Mar 20 j 24:00	22° S 17'25			-12462 Mar 01 j 21:47	0° S	
	-12463 Mar 24 j 17:32	0° S		morning set	-12462 Mar 04 j 13:22	5° S 24'42	
				asc. node	-12462 Mar 07 j 21:05	12° S 23'26	
superior conj	-12463 Mar 27 j 19:45	6° S 21'25	0°59'19				
minimum elong	-12463 Mar 27 j 17:17	6° S 08'50	0°58'10	superior conj	-12462 Mar 11 j 20:36	20° S 48'01	0°36'24
max. Earth dist.	-12463 Apr 01 j 05:13	15° S 09'31	1.35760 AU	minimum elong	-12462 Mar 11 j 19:03	20° S 39'55	0°35'21
evening rise	-12463 Apr 05 j 14:55	23° S 35'37		max. Earth dist.	-12462 Mar 14 j 23:14	27° S 15'40	1.34507 AU
	-12463 Apr 09 j 02:58	0° \approx			-12462 Mar 16 j 07:30	0° S	
	-12463 Apr 27 j 22:45	0° H		evening rise	-12462 Mar 19 j 22:53	7° S 13'12	
desc. node	-12463 May 08 j 08:13	13° H 06'52			-12462 Apr 01 j 17:40	0° \approx	
evening max el	-12463 May 11 j 04:58	16° H 07'04	26°24'12	evening max el	-12462 Apr 23 j 15:57	29° \approx 21'20	27°09'44
retrograde	-12463 May 23 j 23:55	23° H 30'15			-12462 Apr 24 j 07:58	0° H	
evening set	-12463 May 30 j 11:01	20° H 44'40		desc. node	-12462 Apr 25 j 05:35	0° H 50'10	
min. Earth dist.	-12463 Jun 03 j 11:46	16° H 24'11	0.65909 AU	retrograde	-12462 May 07 j 01:24	6° H 54'38	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening set	-12462 May 13 j 21:07	4° X 09'56		desc. node	-12461 Apr 12 j 02:51	17° \approx 12'05	
min. Earth dist.	-12462 May 17 j 15:49	0° X 26'17	0.64712 AU	retrograde	-12461 Apr 19 j 20:44	19° \approx 51'19	
	-12462 May 18 j 01:08	30° \approx		evening set	-12461 Apr 26 j 18:55	17° \approx 20'01	
inferior conj	-12462 May 19 j 18:45	28° \approx 00'18	-3°17'08	min. Earth dist.	-12461 Apr 30 j 11:06	14° \approx 06'32	0.63139 AU
minimum elong	-12462 May 19 j 20:06	27° \approx 56'24	3°17'25	inferior conj	-12461 May 03 j 04:20	11° \approx 18'19	-3°23'53
morning rise	-12462 May 25 j 19:34	22° \approx 27'40		minimum elong	-12461 May 03 j 04:24	11° \approx 18'07	3°24'28
direct	-12462 May 28 j 19:04	21° \approx 39'33		morning rise	-12461 May 09 j 14:57	6° \approx 03'22	
asc. node	-12462 Jun 03 j 21:20	24° \approx 46'05		direct	-12461 May 12 j 09:20	5° \approx 25'44	
morning max el	-12462 Jun 04 j 07:56	25° \approx 12'06	18°22'47	morning max el	-12461 May 18 j 21:31	8° \approx 48'28	18°04'40
	-12462 Jun 08 j 07:40	0° X		asc. node	-12461 May 21 j 18:04	12° \approx 05'17	
morning set	-12462 Jun 23 j 10:31	24° X 07'36			-12461 Jun 01 j 23:57	0° X	
	-12462 Jun 26 j 23:31	0° Y		morning set	-12461 Jun 05 j 03:59	5° X 31'06	
superior conj	-12462 Jul 07 j 17:30	17° Y 28'50	1°16'54	superior conj	-12461 Jun 17 j 14:13	26° X 43'40	1°41'01
minimum elong	-12462 Jul 08 j 00:05	17° Y 55'10	1°16'32	minimum elong	-12461 Jun 17 j 18:14	27° X 00'16	1°40'45
max. Earth dist.	-12462 Jul 10 j 20:36	22° Y 28'20	1.44350 AU		-12461 Jun 19 j 13:47	0° Y	
	-12462 Jul 15 j 14:46	0° Z		max. Earth dist.	-12461 Jun 23 j 10:20	6° Y 16'46	1.43459 AU
desc. node	-12462 Jul 22 j 02:01	10° Z 09'35		evening rise	-12461 Jul 03 j 10:42	22° Y 08'12	
evening rise	-12462 Jul 24 j 08:40	13° Z 43'21		desc. node	-12461 Jul 08 j 23:32	0° Z 40'19	
	-12462 Aug 03 j 20:22	0° II			-12461 Jul 08 j 12:59	0° Z	
greatest brilliancy	-12462 Aug 04 j 06:35	0° II 39'02	-0.7m		-12461 Jul 29 j 14:53	0° II	
evening max el	-12462 Aug 17 j 16:41	18° II 56'01	19°35'49	evening max el	-12461 Jul 31 j 19:19	2° II 23'33	20°37'04
retrograde	-12462 Aug 24 j 23:00	23° II 06'15		retrograde	-12461 Aug 08 j 19:42	7° II 04'41	
evening set	-12462 Aug 28 j 08:32	21° II 59'21		evening set	-12461 Aug 12 j 16:21	5° II 39'23	
asc. node	-12462 Aug 30 j 22:25	19° II 43'49		asc. node	-12461 Aug 17 j 19:19	29° Z 56'11	
inferior conj	-12462 Sep 02 j 23:10	16° II 03'27	0°56'28		-12461 Aug 17 j 18:11	30° Z	
minimum elong	-12462 Sep 02 j 21:52	16° II 07'38	0°56'44	inferior conj	-12461 Aug 18 j 01:43	29° Z 34'35	0°05'00
min. Earth dist.	-12462 Sep 04 j 03:01	14° II 33'32	0.66073 AU	minimum elong	-12461 Aug 18 j 01:36	29° Z 35'00	0°05'37
morning rise	-12462 Sep 08 j 10:54	9° II 44'55		transit middle	-12461 Aug 18 j 01:36	29° Z 35'00	0°05'37
direct	-12462 Sep 14 j 09:44	7° II 13'21		transit begin	-12461 Aug 17 j 23:01	29° Z 43'41	
morning max el	-12462 Sep 26 j 15:38	14° II 25'13	25°44'22	transit end	-12461 Aug 18 j 04:10	29° Z 26'19	
	-12462 Oct 09 j 11:49	0° S		min. Earth dist.	-12461 Aug 18 j 18:28	28° Z 38'01	0.66755 AU
desc. node	-12462 Oct 18 j 00:28	12° S 26'57		morning rise	-12461 Aug 23 j 10:40	23° Z 13'21	
	-12462 Oct 28 j 17:35	0° O		direct	-12461 Aug 28 j 19:14	20° Z 57'20	
morning set	-12462 Nov 01 j 16:30	7° O 02'41		morning max el	-12461 Sep 09 j 01:30	27° Z 41'06	24°27'11
max. Earth dist.	-12462 Nov 05 j 15:49	14° O 26'35	1.36385 AU		-12461 Sep 11 j 05:58	0° II	
					-12461 Oct 03 j 04:51	0° S	
superior conj	-12462 Nov 11 j 04:05	25° O 13'35	-1°36'32	desc. node	-12461 Oct 04 j 21:21	2° S 38'22	
minimum elong	-12462 Nov 11 j 04:34	25° O 16'00	1°36'05	morning set	-12461 Oct 14 j 16:12	18° S 48'12	
	-12462 Nov 13 j 12:47	0° P		max. Earth dist.	-12461 Oct 18 j 16:34	25° S 53'50	1.38234 AU
evening rise	-12462 Nov 19 j 01:15	11° P 16'36			-12461 Oct 20 j 22:36	0° O	
asc. node	-12462 Nov 26 j 20:52	26° P 16'21					
	-12462 Nov 29 j 02:17	0° U		superior conj	-12461 Oct 25 j 12:42	8° O 37'58	-1°35'42
evening max el	-12462 Dec 07 j 02:17	10° U 16'36	20°01'18	minimum elong	-12461 Oct 25 j 11:38	8° O 32'52	1°35'04
retrograde	-12462 Dec 17 j 03:10	14° U 59'40		evening rise	-12461 Nov 03 j 02:16	25° O 27'09	
evening set	-12462 Dec 19 j 17:56	14° U 41'55			-12461 Nov 05 j 09:56	0° P	
inferior conj	-12462 Dec 28 j 06:52	10° U 39'14	3°40'31	asc. node	-12461 Nov 13 j 18:14	14° P 48'46	
minimum elong	-12462 Dec 28 j 11:52	10° U 31'31	3°39'32	evening max el	-12461 Nov 19 j 20:30	22° P 28'02	19°03'27
min. Earth dist.	-12462 Dec 30 j 09:57	9° U 20'35	0.56238 AU	retrograde	-12461 Nov 28 j 11:50	26° P 36'24	
morning rise	-12461 Jan 06 j 03:55	6° U 05'54		evening set	-12461 Nov 30 j 23:48	26° P 17'05	
direct	-12461 Jan 10 j 07:23	5° U 27'49		inferior conj	-12461 Dec 09 j 00:27	21° P 58'52	4°14'15
desc. node	-12461 Jan 14 j 02:27	6° U 00'41		minimum elong	-12461 Dec 09 j 01:56	21° P 56'15	4°14'19
morning max el	-12461 Jan 23 j 22:54	12° U 15'40	23°46'57	min. Earth dist.	-12461 Dec 11 j 23:50	19° P 54'10	0.57618 AU
	-12461 Feb 06 j 08:01	0° M		morning rise	-12461 Dec 17 j 02:05	17° P 01'29	
morning set	-12461 Feb 17 j 01:28	20° M 27'01		direct	-12461 Dec 22 j 13:30	15° P 51'07	
	-12461 Feb 21 j 12:58	0° X		desc. node	-12461 Dec 31 j 23:02	19° P 11'31	
asc. node	-12461 Feb 22 j 18:15	2° X 37'43		morning max el	-12460 Jan 05 j 13:38	22° P 59'04	25°20'20
					-12460 Jan 11 j 20:21	0° U	
superior conj	-12461 Feb 24 j 03:04	5° X 34'05	0°12'50		-12460 Jan 29 j 21:27	0° M	
minimum elong	-12461 Feb 24 j 02:33	5° X 31'17	0°12'02	morning set	-12460 Feb 01 j 13:55	5° M 32'21	
behind sun begin	-12461 Feb 23 j 23:10	5° X 13'10					
behind sun end	-12461 Feb 24 j 05:55	5° X 49'24		superior conj	-12460 Feb 08 j 13:05	20° M 32'37	-0°10'23
max. Earth dist.	-12461 Feb 26 j 02:48	9° X 48'49	1.33602 AU	minimum elong	-12460 Feb 08 j 13:31	20° M 35'04	0°10'53
evening rise	-12461 Mar 03 j 17:37	21° X 25'08		behind sun begin	-12460 Feb 08 j 09:51	20° M 15'05	
	-12461 Mar 08 j 03:44	0° Z		behind sun end	-12460 Feb 08 j 17:12	20° M 55'02	
	-12461 Mar 26 j 15:58	0° \approx		max. Earth dist.	-12460 Feb 09 j 12:59	22° M 42'25	1.33032 AU
evening max el	-12461 Apr 06 j 02:00	12° \approx 16'36	27°27'25	asc. node	-12460 Feb 09 j 15:31	22° M 56'07	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12460 Feb 12 j 22:34	0°♊		max. Earth dist.	-12459 Jan 23 j 02:06	5°♌43'34	1.32788 AU
evening rise	-12460 Feb 15 j 19:51	6°♊00'50		asc. node	-12459 Jan 26 j 12:51	13°♌13'43	
	-12460 Feb 28 j 18:53	0°♊		evening rise	-12459 Jan 30 j 03:00	20°♌50'48	
evening max el	-12460 Mar 18 j 08:42	24°♊41'32	27°13'01		-12459 Feb 03 j 16:12	0°♊	
	-12460 Mar 25 j 03:16	0°♊			-12459 Feb 22 j 12:20	0°♊	
desc. node	-12460 Mar 28 j 23:59	1°♊42'15		evening max el	-12459 Feb 28 j 10:13	6°♊29'27	26°26'23
retrograde	-12460 Apr 01 j 09:10	2°♊12'40		retrograde	-12459 Mar 14 j 13:20	13°♊52'03	
evening set	-12460 Apr 08 j 01:14	0°♊06'58		desc. node	-12459 Mar 15 j 21:00	13°♊47'35	
	-12460 Apr 08 j 05:39	30°♊		evening set	-12459 Mar 20 j 13:23	12°♊20'13	
min. Earth dist.	-12460 Apr 11 j 21:18	27°♊11'59	0.61271 AU	min. Earth dist.	-12459 Mar 24 j 23:38	9°♊29'03	0.59277 AU
inferior conj	-12460 Apr 15 j 01:49	24°♊18'03	-3°13'47	inferior conj	-12459 Mar 28 j 07:33	6°♊51'06	-2°41'12
minimum elong	-12460 Apr 15 j 00:11	24°♊21'48	3°14'21	minimum elong	-12459 Mar 28 j 04:24	6°♊57'23	2°41'23
morning rise	-12460 Apr 22 j 01:05	19°♊22'31		morning rise	-12459 Apr 04 j 22:22	2°♊15'29	
direct	-12460 Apr 24 j 14:51	18°♊54'07		direct	-12459 Apr 07 j 07:32	1°♊54'55	
morning max el	-12460 May 01 j 11:03	22°♊18'48	18°05'01	morning max el	-12459 Apr 14 j 21:42	5°♊35'04	18°24'25
	-12460 May 07 j 10:44	0°♊		asc. node	-12459 Apr 24 j 11:45	19°♊06'20	
asc. node	-12460 May 07 j 14:51	0°♊15'54			-12459 Apr 30 j 09:50	0°♊	
morning set	-12460 May 17 j 18:12	17°♊55'13		morning set	-12459 May 01 j 00:30	1°♊09'32	
	-12460 May 24 j 10:21	0°♊					
superior conj	-12460 May 28 j 13:47	7°♊18'13	1°49'00	superior conj	-12459 May 10 j 14:13	19°♊08'11	1°44'11
minimum elong	-12460 May 28 j 14:03	7°♊19'21	1°48'41	minimum elong	-12459 May 10 j 12:03	18°♊58'15	1°43'35
max. Earth dist.	-12460 Jun 04 j 18:39	19°♊32'16	1.42022 AU		-12459 May 16 j 16:11	0°♊	
	-12460 Jun 11 j 05:04	0°♊		max. Earth dist.	-12459 May 17 j 21:02	2°♊04'58	1.40243 AU
evening rise	-12460 Jun 11 j 14:51	0°♊38'56		evening rise	-12459 May 22 j 16:53	10°♊14'38	
desc. node	-12460 Jun 24 j 21:04	20°♊59'50			-12459 Jun 04 j 04:55	0°♊	
	-12460 Jul 01 j 02:31	0°♊		desc. node	-12459 Jun 11 j 18:36	11°♊03'01	
evening max el	-12460 Jul 13 j 14:48	15°♊46'01	21°50'31	evening max el	-12459 Jun 26 j 04:15	29°♊05'44	23°11'36
retrograde	-12460 Jul 22 j 15:25	21°♊06'26			-12459 Jun 27 j 02:19	0°♊	
evening set	-12460 Jul 27 j 00:57	19°♊20'31		retrograde	-12459 Jul 06 j 08:41	5°♊08'52	
inferior conj	-12460 Aug 01 j 07:05	13°♊09'30	-0°43'58	evening set	-12459 Jul 11 j 08:26	3°♊01'48	
minimum elong	-12460 Aug 01 j 07:58	13°♊06'26	0°43'07		-12459 Jul 14 j 03:57	30°♊	
min. Earth dist.	-12460 Aug 01 j 13:14	12°♊48'14	0.67142 AU	inferior conj	-12459 Jul 16 j 13:27	26°♊47'10	-1°29'02
asc. node	-12460 Aug 03 j 16:09	9°♊58'03		minimum elong	-12459 Jul 16 j 15:07	26°♊41'24	1°28'08
morning rise	-12460 Aug 06 j 14:53	6°♊49'23		min. Earth dist.	-12459 Jul 16 j 08:57	27°♊02'42	0.67233 AU
direct	-12460 Aug 11 j 09:32	4°♊51'10		morning rise	-12459 Jul 21 j 21:44	20°♊31'47	
morning max el	-12460 Aug 21 j 12:39	10°♊57'10	23°03'33	asc. node	-12459 Jul 21 j 12:57	20°♊49'59	
	-12460 Sep 05 j 12:35	0°♊		direct	-12459 Jul 26 j 03:48	18°♊51'32	
desc. node	-12460 Sep 20 j 18:21	23°♊03'37		morning max el	-12459 Aug 04 j 03:31	24°♊15'00	21°41'37
morning set	-12460 Sep 24 j 14:57	29°♊19'14			-12459 Aug 09 j 02:45	0°♊	
	-12460 Sep 25 j 00:50	0°♊		morning set	-12459 Aug 29 j 23:32	0°♊	
max. Earth dist.	-12460 Sep 29 j 15:56	7°♊47'26	1.40212 AU	desc. node	-12459 Sep 04 j 12:02	8°♊37'04	
				max. Earth dist.	-12459 Sep 07 j 15:28	13°♊38'07	
superior conj	-12460 Oct 07 j 05:37	21°♊11'24	-1°25'46		-12459 Sep 11 j 19:22	20°♊25'05	1.42058 AU
minimum elong	-12460 Oct 07 j 02:45	20°♊58'19	1°24'50		-12459 Sep 17 j 12:11	0°♊	
	-12460 Oct 11 j 23:30	0°♊		superior conj	-12459 Sep 19 j 01:18	2°♊39'44	-1°04'33
evening rise	-12460 Oct 16 j 19:13	9°♊09'29		minimum elong	-12459 Sep 18 j 21:15	2°♊22'15	1°03'22
	-12460 Oct 28 j 17:23	0°♊		evening rise	-12459 Sep 30 j 00:38	22°♊15'16	
asc. node	-12460 Oct 30 j 15:33	2°♊33'27			-12459 Oct 04 j 07:08	0°♊	
evening max el	-12460 Nov 01 j 23:45	5°♊09'11	18°25'54	evening max el	-12459 Oct 16 j 09:31	18°♊13'25	18°08'27
retrograde	-12460 Nov 09 j 14:05	8°♊54'52		asc. node	-12459 Oct 17 j 12:48	19°♊16'30	
evening set	-12460 Nov 12 j 01:07	8°♊32'23		retrograde	-12459 Oct 23 j 08:03	21°♊47'38	
inferior conj	-12460 Nov 19 j 13:09	3°♊53'38	4°12'48	evening set	-12459 Oct 25 j 20:07	21°♊20'11	
minimum elong	-12460 Nov 19 j 11:16	3°♊57'28	4°13'02	inferior conj	-12459 Nov 01 j 19:57	16°♊20'12	3°47'00
min. Earth dist.	-12460 Nov 22 j 17:46	1°♊19'12	0.59376 AU	minimum elong	-12459 Nov 01 j 16:22	16°♊28'33	3°46'54
	-12460 Nov 24 j 12:42	30°♊		min. Earth dist.	-12459 Nov 04 j 18:55	13°♊36'16	0.61222 AU
morning rise	-12460 Nov 26 j 19:41	28°♊34'24		morning rise	-12459 Nov 08 j 11:16	10°♊42'25	
direct	-12460 Dec 03 j 07:14	26°♊46'20		direct	-12459 Nov 15 j 11:00	8°♊22'58	
	-12460 Dec 12 j 08:34	0°♊		morning max el	-12459 Nov 29 j 08:44	15°♊48'58	27°21'47
morning max el	-12460 Dec 17 j 08:03	4°♊05'21	26°35'50	desc. node	-12459 Dec 04 j 16:14	21°♊33'24	
desc. node	-12460 Dec 17 j 19:37	4°♊33'19			-12459 Dec 11 j 02:54	0°♊	
	-12459 Jan 05 j 07:40	0°♊		morning set	-12459 Dec 28 j 16:44	0°♊	
morning set	-12459 Jan 16 j 00:52	20°♊32'57		max. Earth dist.	-12459 Dec 31 j 08:24	5°♊21'47	
	-12459 Jan 20 j 11:06	0°♊			-12458 Jan 06 j 14:39	18°♊40'14	1.32883 AU
superior conj	-12459 Jan 23 j 00:46	5°♊36'17	-0°32'26	superior conj	-12458 Jan 07 j 12:28	20°♊39'02	-0°52'36
minimum elong	-12459 Jan 23 j 02:01	5°♊43'07	0°32'37	minimum elong	-12458 Jan 07 j 14:17	20°♊48'50	0°52'33

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12458 Jan 11 j 19:42	0°♍		evening rise	-12458 Dec 30 j 00:22	20°♊46'12	
asc. node	-12458 Jan 13 j 10:14	3°♍26'09		asc. node	-12458 Dec 31 j 07:36	23°♊28'53	
evening rise	-12458 Jan 14 j 13:06	5°♍47'59			-12457 Jan 03 j 13:25	0°♍	
	-12458 Jan 27 j 12:15	0°♊		evening max el	-12457 Jan 22 j 23:57	28°♍37'42	23°41'59
evening max el	-12458 Feb 10 j 06:31	17°♊43'23	25°12'30		-12457 Jan 24 j 12:45	0°♊	
retrograde	-12458 Feb 24 j 06:50	24°♊48'40		retrograde	-12457 Feb 05 j 11:29	5°♊13'45	
evening set	-12458 Mar 01 j 07:01	23°♊50'15		evening set	-12457 Feb 09 j 10:36	4°♊39'13	
desc. node	-12458 Mar 02 j 17:58	23°♊12'40		min. Earth dist.	-12457 Feb 16 j 13:03	1°♊17'51	0.56098 AU
min. Earth dist.	-12458 Mar 06 j 20:13	20°♊49'33	0.57447 AU	desc. node	-12457 Feb 17 j 14:50	0°♊38'52	
inferior conj	-12458 Mar 09 j 18:25	18°♊49'18	-1°40'38	inferior conj	-12457 Feb 18 j 09:53	0°♊09'53	-0°12'03
minimum elong	-12458 Mar 09 j 15:14	18°♊54'48	1°40'32	minimum elong	-12457 Feb 18 j 09:22	0°♊10'40	0°12'32
morning rise	-12458 Mar 18 j 02:42	14°♊31'40		transit middle	-12457 Feb 18 j 09:22	0°♊10'40	0°12'32
direct	-12458 Mar 20 j 07:41	14°♊16'53		transit begin	-12457 Feb 18 j 06:55	0°♊14'22	
morning max el	-12458 Mar 29 j 02:22	18°♊27'14	19°03'21	transit end	-12457 Feb 18 j 11:48	0°♊06'57	
	-12458 Apr 06 j 16:17	0°♊			-12457 Feb 18 j 16:23	30°♍	
asc. node	-12458 Apr 11 j 08:42	8°♊26'42		morning rise	-12457 Feb 27 j 10:28	26°♍04'28	
morning set	-12458 Apr 14 j 18:33	15°♊02'52		direct	-12457 Mar 01 j 14:20	25°♍52'28	
	-12458 Apr 22 j 09:26	0°♋			-12457 Mar 11 j 01:48	0°♊	
				morning max el	-12457 Mar 11 j 22:05	0°♊46'10	20°01'59
superior conj	-12458 Apr 23 j 10:03	1°♋58'31	1°30'40	asc. node	-12457 Mar 29 j 05:43	28°♊09'48	
minimum elong	-12458 Apr 23 j 07:01	1°♋43'55	1°29'44	morning set	-12457 Mar 29 j 20:54	29°♊26'10	
max. Earth dist.	-12458 Apr 29 j 21:04	14°♋01'25	1.38372 AU		-12457 Mar 30 j 03:36	0°♋	
evening rise	-12458 May 03 j 22:30	21°♋13'43					
	-12458 May 09 j 02:38	0°♌		superior conj	-12457 Apr 06 j 20:16	15°♋35'38	1°11'43
	-12458 May 29 j 03:17	0°♍		minimum elong	-12457 Apr 06 j 17:24	15°♋21'22	1°10'36
desc. node	-12458 May 29 j 16:07	0°♍42'26		max. Earth dist.	-12457 Apr 12 j 00:47	25°♋44'04	1.36637 AU
evening max el	-12458 Jun 08 j 14:27	12°♍26'01	24°33'37		-12457 Apr 14 j 07:07	0°♋	
retrograde	-12458 Jun 19 j 22:24	19°♍07'54		evening rise	-12457 Apr 16 j 04:09	3°♋27'19	
evening set	-12458 Jun 25 j 12:51	16°♍41'25			-12457 May 02 j 02:22	0°♌	
min. Earth dist.	-12458 Jun 30 j 03:08	11°♍19'16	0.67007 AU	desc. node	-12457 May 16 j 13:34	19°♌48'24	
inferior conj	-12458 Jun 30 j 19:04	10°♍25'31	-2°08'56	evening max el	-12457 May 22 j 00:14	25°♌48'01	25°48'07
minimum elong	-12458 Jun 30 j 21:12	10°♍18'17	2°08'11		-12457 May 26 j 20:22	0°♍	
morning rise	-12458 Jul 06 j 05:30	4°♍18'25		retrograde	-12457 Jun 03 j 07:45	2°♍58'56	
asc. node	-12458 Jul 08 j 09:43	3°♍10'01		evening set	-12457 Jun 09 j 12:07	0°♍18'00	
direct	-12458 Jul 10 j 00:46	2°♍55'00			-12457 Jun 09 j 20:05	30°♌	
morning max el	-12458 Jul 18 j 00:13	7°♍37'32	20°27'52	min. Earth dist.	-12457 Jun 13 j 17:25	25°♌35'04	0.66425 AU
	-12458 Aug 03 j 11:50	0°♎		inferior conj	-12457 Jun 14 j 22:02	24°♌02'50	-2°42'17
morning set	-12458 Aug 14 j 16:39	17°♎09'44		minimum elong	-12457 Jun 15 j 00:15	23°♌55'38	2°41'52
	-12458 Aug 22 j 20:24	0°♏		morning rise	-12457 Jun 20 j 12:26	18°♌07'12	
max. Earth dist.	-12458 Aug 25 j 05:08	3°♏47'07	1.43513 AU	direct	-12457 Jun 23 j 22:44	16°♌59'01	
desc. node	-12458 Aug 25 j 12:41	4°♏17'31		asc. node	-12457 Jun 25 j 06:29	17°♌08'43	
				morning max el	-12457 Jul 01 j 03:26	21°♌07'02	19°26'52
superior conj	-12458 Aug 30 j 18:28	12°♏49'37	-0°31'02		-12457 Jul 08 j 04:05	0°♍	
minimum elong	-12458 Aug 30 j 15:33	12°♏37'36	0°29'58	morning set	-12457 Jul 24 j 23:54	25°♍51'28	
	-12458 Sep 09 j 22:43	0°♐			-12457 Jul 27 j 15:09	0°♎	
evening rise	-12458 Sep 12 j 13:50	4°♐33'02		max. Earth dist.	-12457 Aug 07 j 20:04	17°♎40'47	1.44382 AU
	-12458 Sep 28 j 12:53	0°♑					
evening max el	-12458 Sep 29 j 22:44	1°♑32'40	18°10'14	superior conj	-12457 Aug 10 j 09:04	21°♎43'20	0°12'05
asc. node	-12458 Oct 04 j 09:59	4°♑41'41		minimum elong	-12457 Aug 10 j 10:33	21°♎49'17	0°12'30
retrograde	-12458 Oct 06 j 14:00	5°♑05'31		behind sun begin	-12457 Aug 10 j 03:16	21°♎20'13	
evening set	-12458 Oct 09 j 05:11	4°♑30'49		behind sun end	-12457 Aug 10 j 17:50	22°♎18'21	
	-12458 Oct 14 j 22:56	30°♒		desc. node	-12457 Aug 12 j 09:58	24°♎58'44	
inferior conj	-12458 Oct 15 j 17:45	29°♐11'13	3°06'35		-12457 Aug 15 j 12:56	0°♏	
minimum elong	-12458 Oct 15 j 13:57	29°♐21'09	3°06'15	evening rise	-12457 Aug 25 j 05:19	15°♏49'38	
min. Earth dist.	-12458 Oct 18 j 05:27	26°♐35'39	0.62929 AU		-12457 Sep 02 j 19:58	0°♐	
morning rise	-12458 Oct 21 j 21:47	23°♐17'43		evening max el	-12457 Sep 13 j 12:21	15°♐00'12	18°30'08
direct	-12458 Oct 28 j 22:36	20°♐39'50		retrograde	-12457 Sep 20 j 03:59	18°♐40'48	
morning max el	-12458 Nov 11 j 14:58	28°♐10'23	27°33'30	asc. node	-12457 Sep 21 j 07:06	18°♐33'45	
	-12458 Nov 13 j 10:23	0°♑		evening set	-12457 Sep 23 j 00:28	17°♐56'09	
desc. node	-12458 Nov 21 j 12:54	9°♑44'01		inferior conj	-12457 Sep 29 j 03:09	12°♐19'47	2°18'18
	-12458 Dec 04 j 18:49	0°♒		minimum elong	-12457 Sep 29 j 00:03	12°♐28'43	2°18'03
morning set	-12458 Dec 15 j 10:13	19°♒51'02		min. Earth dist.	-12457 Oct 01 j 02:02	10°♐04'37	0.64381 AU
	-12458 Dec 20 j 07:53	0°♓		morning rise	-12457 Oct 04 j 23:01	6°♐13'30	
max. Earth dist.	-12458 Dec 20 j 23:02	1°♓20'26	1.33337 AU	direct	-12457 Oct 11 j 16:58	3°♐30'20	
				morning max el	-12457 Oct 25 j 00:31	11°♐01'17	27°12'00
superior conj	-12458 Dec 22 j 22:28	5°♓34'41	-1°10'08	desc. node	-12457 Nov 08 j 09:33	28°♐44'16	
minimum elong	-12458 Dec 23 j 00:30	5°♓45'35	1°09'56		-12457 Nov 09 j 06:26	0°♑	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12457 Nov 27 j 03:31	0°♎		morning set	-12456 Nov 11 j 08:19	17°♏08'46	
morning set	-12457 Nov 29 j 03:24	3°♎50'23		max. Earth dist.	-12456 Nov 15 j 13:52	25°♏15'37	1.35467 AU
max. Earth dist.	-12457 Dec 03 j 23:39	13°♎33'17	1.34190 AU		-12456 Nov 17 j 23:06	0°♎	
superior conj	-12457 Dec 07 j 04:47	20°♎15'34	-1°24'12	superior conj	-12456 Nov 20 j 05:08	4°♎34'17	-1°33'42
minimum elong	-12457 Dec 07 j 06:37	20°♎25'13	1°23'54	minimum elong	-12456 Nov 20 j 06:16	4°♎40'06	1°33'19
	-12457 Dec 11 j 18:51	0°♏		evening rise	-12456 Nov 27 j 19:35	20°♎19'06	
evening rise	-12457 Dec 14 j 11:05	5°♏38'28			-12456 Dec 02 j 16:07	0°♏	
asc. node	-12457 Dec 18 j 04:59	13°♏15'58		asc. node	-12456 Dec 04 j 02:22	2°♏40'42	
	-12457 Dec 27 j 20:30	0°♐		evening max el	-12456 Dec 16 j 21:24	20°♏51'48	20°43'05
evening max el	-12456 Jan 04 j 19:08	9°♐33'17	22°08'11	retrograde	-12456 Dec 27 j 20:23	26°♏00'24	
retrograde	-12456 Jan 17 j 05:19	15°♐28'28		evening set	-12456 Dec 30 j 13:45	25°♏42'36	
evening set	-12456 Jan 20 j 09:16	15°♐06'20		inferior conj	-12455 Jan 08 j 08:50	21°♏43'15	3°02'50
inferior conj	-12456 Jan 29 j 10:49	11°♐00'06	1°31'21	minimum elong	-12455 Jan 08 j 14:37	21°♏34'44	3°01'12
minimum elong	-12456 Jan 29 j 14:35	10°♐54'43	1°29'41	min. Earth dist.	-12455 Jan 09 j 17:08	20°♏55'48	0.55729 AU
min. Earth dist.	-12456 Jan 29 j 03:36	11°♐10'25	0.55484 AU	morning rise	-12455 Jan 17 j 14:08	17°♏22'36	
desc. node	-12456 Feb 04 j 11:37	7°♐54'55		direct	-12455 Jan 20 j 23:21	16°♏57'24	
morning rise	-12456 Feb 07 j 20:27	6°♐54'55		desc. node	-12455 Jan 21 j 08:19	16°♏57'43	
direct	-12456 Feb 10 j 07:54	6°♐40'53		morning max el	-12455 Feb 03 j 04:41	23°♏26'56	22°51'05
morning max el	-12456 Feb 22 j 06:44	12°♐25'01	21°19'20		-12455 Feb 08 j 23:19	0°♐	
	-12456 Mar 05 j 21:50	0°♑		morning set	-12455 Feb 25 j 15:47	29°♐07'56	
morning set	-12456 Mar 13 j 04:42	14°♑10'18			-12455 Feb 26 j 01:45	0°♑	
asc. node	-12456 Mar 15 j 02:46	18°♑08'56		asc. node	-12455 Mar 01 j 23:54	8°♑19'08	
superior conj	-12456 Mar 20 j 16:41	29°♑47'00	0°49'45	superior conj	-12455 Mar 04 j 20:13	14°♑22'59	0°26'24
minimum elong	-12456 Mar 20 j 14:35	29°♑36'09	0°48'37	minimum elong	-12455 Mar 04 j 19:06	14°♑17'06	0°25'27
	-12456 Mar 20 j 19:12	0°♒		max. Earth dist.	-12455 Mar 07 j 10:57	19°♑52'57	1.34077 AU
max. Earth dist.	-12456 Mar 24 j 12:52	7°♒36'14	1.35183 AU		-12455 Mar 12 j 10:30	0°♒	
evening rise	-12456 Mar 29 j 03:57	16°♒38'15		evening rise	-12455 Mar 12 j 16:56	0°♒31'43	
	-12456 Apr 05 j 12:38	0°♓			-12455 Mar 29 j 13:15	0°♓	
	-12456 Apr 25 j 10:25	0°♈		evening max el	-12455 Apr 15 j 21:17	22°♓13'20	27°20'56
desc. node	-12456 May 02 j 10:59	8°♈07'02		desc. node	-12455 Apr 19 j 08:19	25°♓18'47	
evening max el	-12456 May 03 j 10:43	9°♈06'50	26°46'31	retrograde	-12455 Apr 29 j 11:23	29°♓48'56	
retrograde	-12456 May 16 j 12:16	16°♈35'22		evening set	-12455 May 06 j 09:04	27°♓08'00	
evening set	-12456 May 23 j 03:49	13°♈48'27		min. Earth dist.	-12455 May 10 j 01:59	23°♓38'30	0.64081 AU
min. Earth dist.	-12456 May 27 j 01:36	9°♈44'30	0.65450 AU	inferior conj	-12455 May 12 j 11:15	21°♓01'06	-3°21'47
inferior conj	-12456 May 28 j 20:15	7°♈36'07	-3°07'23	minimum elong	-12455 May 12 j 12:08	20°♓58'40	3°22'14
minimum elong	-12456 May 28 j 22:05	7°♈30'35	3°07'24	morning rise	-12455 May 18 j 15:57	15°♓36'01	
morning rise	-12456 Jun 03 j 16:38	1°♈54'41		direct	-12455 May 21 j 13:04	14°♓52'42	
direct	-12456 Jun 06 j 19:38	0°♈59'50		morning max el	-12455 May 28 j 00:48	18°♓19'54	18°12'54
asc. node	-12456 Jun 11 j 03:12	2°♈37'31		asc. node	-12455 May 28 j 23:55	19°♓20'53	
morning max el	-12456 Jun 13 j 12:17	4°♈42'28	18°41'22		-12455 Jun 05 j 14:08	0°♈	
	-12456 Jun 30 j 18:02	0°♉		morning set	-12455 Jun 15 j 05:51	16°♈10'05	
morning set	-12456 Jul 04 j 02:21	5°♉26'25			-12455 Jun 23 j 11:35	0°♉	
superior conj	-12456 Jul 19 j 09:28	29°♉58'01	0°55'55	superior conj	-12455 Jun 28 j 17:37	8°♉36'06	1°29'13
minimum elong	-12456 Jul 19 j 15:28	0°♊21'46	0°55'40	minimum elong	-12455 Jun 28 j 23:31	8°♉59'59	1°28'52
	-12456 Jul 19 j 09:59	0°♊		max. Earth dist.	-12455 Jul 03 j 04:01	15°♉44'09	1.44036 AU
max. Earth dist.	-12456 Jul 20 j 12:55	1°♊46'41	1.44557 AU		-12455 Jul 12 j 04:51	0°♊	
desc. node	-12456 Jul 29 j 07:21	15°♊38'45		evening rise	-12455 Jul 15 j 05:12	4°♊41'59	
evening rise	-12456 Aug 04 j 18:11	25°♊52'18		desc. node	-12455 Jul 16 j 04:49	6°♊13'45	
	-12456 Aug 07 j 08:35	0°♋		greatest brilliancy	-12455 Jul 27 j 21:39	24°♊08'54	-0.7m
evening max el	-12456 Aug 26 j 23:33	28°♋31'02	19°07'10		-12455 Jul 31 j 21:02	0°♋	
	-12456 Aug 28 j 13:18	0°♌		evening max el	-12455 Aug 10 j 05:47	12°♋00'13	20°00'12
retrograde	-12456 Sep 02 j 22:38	2°♌28'12		retrograde	-12455 Aug 17 j 19:12	16°♋22'57	
evening set	-12456 Sep 06 j 02:41	1°♌30'28		evening set	-12455 Aug 21 j 09:05	15°♋08'46	
asc. node	-12456 Sep 07 j 04:07	0°♌46'02		asc. node	-12455 Aug 25 j 01:04	11°♋30'51	
	-12456 Sep 08 j 01:31	30°♌		inferior conj	-12455 Aug 26 j 21:14	9°♋08'42	0°34'28
inferior conj	-12456 Sep 11 j 21:11	25°♋40'40	1°26'38	minimum elong	-12455 Aug 26 j 20:27	9°♋11'18	0°34'53
minimum elong	-12456 Sep 11 j 19:12	25°♋46'53	1°26'41	min. Earth dist.	-12455 Aug 27 j 20:19	7°♋52'30	0.66392 AU
min. Earth dist.	-12456 Sep 13 j 07:42	23°♋52'58	0.65537 AU	morning rise	-12455 Sep 01 j 07:33	2°♋48'17	
morning rise	-12456 Sep 17 j 11:16	19°♋25'15		direct	-12455 Sep 07 j 00:19	0°♋22'44	
direct	-12456 Sep 23 j 17:42	16°♋47'16		morning max el	-12455 Sep 18 j 21:01	7°♋24'59	25°12'52
morning max el	-12456 Oct 06 j 11:04	24°♋10'14	26°22'33		-12455 Oct 06 j 14:39	0°♌	
	-12456 Oct 11 j 18:48	0°♍		desc. node	-12455 Oct 12 j 03:03	8°♌20'13	
desc. node	-12456 Oct 25 j 06:15	18°♌19'56		morning set	-12455 Oct 24 j 20:12	29°♌32'08	
	-12456 Nov 01 j 15:00	0°♎			-12455 Oct 25 j 02:26	0°♎	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12455 Oct 28 j 17:47	6°Ω38'12	1.37138 AU	asc. node	-12454 Aug 11 j 21:57	21°♄31'02	
				morning rise	-12454 Aug 16 j 09:29	16°♄20'24	
superior conj	-12455 Nov 03 j 20:33	18°Ω21'23	-1°37'10	direct	-12454 Aug 21 j 12:07	14°♄11'31	
minimum elong	-12455 Nov 03 j 20:26	18°Ω20'49	1°36'39	morning max el	-12454 Sep 01 j 06:56	20°♄40'10	23°51'49
	-12455 Nov 09 j 16:03	0°♎			-12454 Sep 09 j 06:25	0°♎	
evening rise	-12455 Nov 11 j 23:56	4°♎41'55		desc. node	-12454 Sep 28 j 23:58	28°♎38'00	
asc. node	-12455 Nov 20 j 23:44	21°♎34'51			-12454 Sep 29 j 20:33	0°♎	
	-12455 Nov 26 j 20:24	0°♎		morning set	-12454 Oct 06 j 09:44	10°♎46'51	
evening max el	-12455 Nov 29 j 09:46	2°♎43'54	19°34'16	max. Earth dist.	-12454 Oct 10 j 16:41	18°♎11'32	1.39075 AU
retrograde	-12455 Dec 08 j 19:40	7°♎10'36			-12454 Oct 17 j 04:47	0°♎	
evening set	-12455 Dec 11 j 08:48	6°♎52'34					
inferior conj	-12455 Dec 19 j 16:43	2°♎44'41	3°59'40	superior conj	-12454 Oct 17 j 23:09	1°♎26'04	-1°32'45
minimum elong	-12455 Dec 19 j 20:24	2°♎38'42	3°59'13	minimum elong	-12454 Oct 17 j 21:19	1°♎17'28	1°32'00
min. Earth dist.	-12455 Dec 22 j 06:36	1°♎04'32	0.56760 AU	evening rise	-12454 Oct 26 j 21:52	18°♎41'09	
	-12455 Dec 24 j 01:05	30°♎			-12454 Nov 01 j 21:02	0°♎	
morning rise	-12455 Dec 28 j 05:52	28°♎00'38		asc. node	-12454 Nov 07 j 21:05	9°♎48'37	
direct	-12454 Jan 01 j 23:15	27°♎10'00		evening max el	-12454 Nov 12 j 08:11	15°♎09'20	18°45'00
desc. node	-12454 Jan 08 j 04:56	28°♎39'02		retrograde	-12454 Nov 20 j 11:27	19°♎06'02	
	-12454 Jan 10 j 15:28	0°♎		evening set	-12454 Nov 22 j 23:00	18°♎45'28	
morning max el	-12454 Jan 15 j 20:00	4°♎08'55	24°27'50	inferior conj	-12454 Nov 30 j 18:18	14°♎19'02	4°17'20
	-12454 Feb 03 j 00:30	0°♎		minimum elong	-12454 Nov 30 j 18:11	14°♎19'14	4°17'33
morning set	-12454 Feb 10 j 04:16	14°♎12'29		min. Earth dist.	-12454 Dec 03 j 21:44	11°♎59'15	0.58344 AU
asc. node	-12454 Feb 16 j 21:07	28°♎36'01		morning rise	-12454 Dec 08 j 11:29	9°♎12'15	
				direct	-12454 Dec 14 j 10:50	7°♎45'30	
superior conj	-12454 Feb 17 j 04:28	29°♎15'43	0°02'54	desc. node	-12454 Dec 26 j 01:32	12°♎49'37	
minimum elong	-12454 Feb 17 j 04:22	29°♎15'11	0°02'14	morning max el	-12454 Dec 28 j 11:28	14°♎58'36	25°55'23
behind sun begin	-12454 Feb 16 j 23:18	28°♎47'47			-12453 Jan 09 j 13:43	0°♎	
behind sun end	-12454 Feb 17 j 09:26	29°♎42'35		morning set	-12453 Jan 25 j 16:18	29°♎16'41	
	-12454 Feb 17 j 12:40	0°♎			-12453 Jan 26 j 00:32	0°♎	
max. Earth dist.	-12454 Feb 18 j 17:33	2°♎35'21	1.33318 AU				
evening rise	-12454 Feb 24 j 15:14	14°♎55'29		superior conj	-12453 Feb 01 j 15:24	14°♎17'22	-0°19'55
	-12454 Mar 04 j 12:40	0°♎		minimum elong	-12453 Feb 01 j 16:13	14°♎21'49	0°20'17
	-12454 Mar 24 j 15:04	0°♎		max. Earth dist.	-12453 Feb 02 j 05:30	15°♎34'15	1.32892 AU
evening max el	-12454 Mar 29 j 06:15	4°♎57'31	27°25'25	asc. node	-12453 Feb 03 j 18:24	18°♎54'44	
desc. node	-12454 Apr 06 j 05:32	10°♎57'43		evening rise	-12453 Feb 08 j 19:52	29°♎38'44	
retrograde	-12454 Apr 12 j 04:13	12°♎31'50			-12453 Feb 08 j 24:00	0°♎	
evening set	-12454 Apr 19 j 00:44	10°♎10'12			-12453 Feb 25 j 18:24	0°♎	
min. Earth dist.	-12454 Apr 22 j 17:36	7°♎06'00	0.62364 AU	evening max el	-12453 Mar 11 j 11:11	17°♎08'17	26°57'03
inferior conj	-12454 Apr 25 j 16:10	4°♎12'55	-3°22'01	desc. node	-12453 Mar 24 j 02:39	24°♎30'19	
minimum elong	-12454 Apr 25 j 15:33	4°♎14'26	3°22'38	retrograde	-12453 Mar 25 j 13:13	24°♎35'46	
	-12454 Apr 30 j 14:37	30°♎		evening set	-12453 Mar 31 j 23:32	22°♎44'17	
morning rise	-12454 May 02 j 07:48	29°♎05'56		min. Earth dist.	-12453 Apr 05 j 00:23	19°♎52'31	0.60424 AU
direct	-12454 May 05 j 00:03	28°♎32'31		inferior conj	-12453 Apr 08 j 07:27	17°♎02'55	-3°03'07
	-12454 May 09 j 07:12	0°♎		minimum elong	-12453 Apr 08 j 05:05	17°♎08'02	3°03'33
morning max el	-12454 May 11 j 14:43	1°♎54'59	18°02'30	morning rise	-12453 Apr 15 j 12:57	12°♎15'31	
asc. node	-12454 May 15 j 20:43	7°♎04'02		direct	-12453 Apr 18 j 00:50	11°♎50'33	
morning set	-12454 May 28 j 08:47	28°♎01'04		morning max el	-12453 Apr 25 j 03:20	15°♎20'13	18°10'51
	-12454 May 29 j 11:34	0°♎		asc. node	-12453 May 02 j 17:34	25°♎33'02	
					-12453 May 05 j 08:12	0°♎	
superior conj	-12454 Jun 09 j 01:33	18°♎24'15	1°46'14	morning set	-12453 May 11 j 06:28	10°♎48'19	
minimum elong	-12454 Jun 09 j 03:54	18°♎34'12	1°45'59				
max. Earth dist.	-12454 Jun 15 j 15:11	29°♎18'44	1.42900 AU	superior conj	-12453 May 21 j 12:14	29°♎32'03	1°48'16
	-12454 Jun 16 j 01:19	0°♎		minimum elong	-12453 May 21 j 11:15	29°♎27'42	1°47'51
evening rise	-12454 Jun 24 j 05:09	13°♎00'55			-12453 May 21 j 18:32	0°♎	
desc. node	-12454 Jul 03 j 02:21	26°♎40'21		max. Earth dist.	-12453 May 28 j 21:12	12°♎17'48	1.41299 AU
	-12454 Jul 05 j 07:30	0°♎		evening rise	-12453 Jun 03 j 17:01	21°♎54'35	
evening max el	-12454 Jul 24 j 05:28	25°♎25'57	21°07'07		-12453 Jun 08 j 19:09	0°♎	
	-12454 Jul 30 j 12:32	0°♎		desc. node	-12453 Jun 19 j 23:53	16°♎53'37	
retrograde	-12454 Aug 01 j 15:36	0°♎22'54			-12453 Jun 29 j 11:00	0°♎	
	-12454 Aug 03 j 16:27	30°♎		evening max el	-12453 Jul 06 j 22:18	8°♎47'22	22°24'30
evening set	-12454 Aug 05 j 17:28	28°♎49'14		retrograde	-12453 Jul 16 j 10:18	14°♎25'15	
inferior conj	-12454 Aug 11 j 01:14	22°♎41'44	-0°16'08	evening set	-12453 Jul 21 j 01:50	12°♎30'15	
minimum elong	-12454 Aug 11 j 01:34	22°♎40'36	0°15'25	inferior conj	-12453 Jul 26 j 07:14	6°♎17'39	-1°03'38
transit middle	-12454 Aug 11 j 01:34	22°♎40'36	0°15'25	minimum elong	-12453 Jul 26 j 08:30	6°♎13'19	1°02'45
transit begin	-12454 Aug 11 j 00:38	22°♎43'46		min. Earth dist.	-12453 Jul 26 j 08:56	6°♎11'48	0.67222 AU
transit end	-12454 Aug 11 j 02:29	22°♎37'26		asc. node	-12453 Jul 29 j 18:48	1°♎47'24	
min. Earth dist.	-12454 Aug 11 j 13:33	21°♎59'39	0.66956 AU	morning rise	-12453 Jul 31 j 15:04	29°♎59'20	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12453 Jul 31 j 14:44	30° Υ		minimum elong	-12452 Jul 09 j 15:24	19° Υ 48'48	1°45'51
direct	-12453 Aug 05 j 04:16	28° Υ 08'43		morning rise	-12452 Jul 14 j 22:30	13° Υ 43'23	
	-12453 Aug 10 j 06:10	0° \mathcal{B}		asc. node	-12452 Jul 15 j 15:36	13° Υ 13'21	
morning max el	-12453 Aug 14 j 19:16	3° \mathcal{B} 56'10	22°28'06	direct	-12452 Jul 18 j 23:43	12° Υ 10'38	
	-12453 Sep 03 j 11:34	0° Π		morning max el	-12452 Jul 27 j 12:32	17° Υ 15'52	21°08'59
desc. node	-12453 Sep 15 j 21:01	19° Π 07'45			-12452 Aug 06 j 15:07	0° \mathcal{B}	
morning set	-12453 Sep 16 j 21:13	20° Π 45'09		morning set	-12452 Aug 26 j 09:26	29° \mathcal{B} 38'20	
	-12453 Sep 22 j 11:51	0° \mathcal{E}			-12452 Aug 26 j 14:58	0° Π	
max. Earth dist.	-12453 Sep 22 j 17:41	0° \mathcal{E} 24'34	1.41030 AU	desc. node	-12452 Sep 01 j 18:09	9° Π 44'32	
				max. Earth dist.	-12452 Sep 04 j 00:13	13° Π 23'34	1.42733 AU
superior conj	-12453 Sep 30 j 07:49	13° \mathcal{E} 34'15	-1°18'16				
minimum elong	-12453 Sep 30 j 04:18	13° \mathcal{E} 18'31	1°17'13	superior conj	-12452 Sep 10 j 16:39	24° Π 29'45	-0°51'48
	-12453 Oct 09 j 06:43	0° Ω		minimum elong	-12452 Sep 10 j 12:42	24° Π 12'59	0°50'36
evening rise	-12453 Oct 10 j 10:25	2° Ω 09'32			-12452 Sep 13 j 21:56	0° \mathcal{E}	
asc. node	-12453 Oct 25 j 18:23	27° Ω 09'27		evening rise	-12452 Sep 22 j 09:34	14° \mathcal{E} 56'31	
evening max el	-12453 Oct 26 j 14:37	28° Ω 01'52	18°16'05		-12452 Oct 01 j 00:06	0° Ω	
	-12453 Oct 28 j 23:02	0° \mathcal{M}		evening max el	-12452 Oct 09 j 02:09	11° Ω 12'45	18°06'55
retrograde	-12453 Nov 02 j 21:01	1° \mathcal{M} 41'21		asc. node	-12452 Oct 11 j 15:37	13° Ω 21'20	
evening set	-12453 Nov 05 j 08:21	1° \mathcal{M} 16'51		retrograde	-12452 Oct 15 j 20:46	14° Ω 45'42	
	-12453 Nov 08 j 00:56	30° \mathcal{R} Ω		evening set	-12452 Oct 18 j 09:48	14° Ω 15'31	
inferior conj	-12453 Nov 12 j 15:04	26° Ω 28'40	4°04'14	inferior conj	-12452 Oct 25 j 04:39	9° Ω 06'41	3°31'12
minimum elong	-12453 Nov 12 j 12:14	26° Ω 34'44	4°04'20	minimum elong	-12452 Oct 25 j 00:50	9° Ω 16'03	3°30'59
min. Earth dist.	-12453 Nov 15 j 18:06	23° Ω 48'09	0.60165 AU	min. Earth dist.	-12452 Oct 27 j 23:07	6° Ω 24'32	0.61964 AU
morning rise	-12453 Nov 19 j 14:38	21° Ω 01'26		morning rise	-12452 Oct 31 j 14:42	3° Ω 21'37	
direct	-12453 Nov 26 j 08:51	18° Ω 59'03		direct	-12452 Nov 07 j 15:49	0° Ω 52'55	
morning max el	-12453 Dec 10 j 08:29	26° Ω 20'25	26°59'30	morning max el	-12452 Nov 21 j 11:58	8° Ω 21'27	27°31'09
desc. node	-12453 Dec 12 j 22:08	28° Ω 57'37		desc. node	-12452 Nov 28 j 18:44	16° Ω 30'26	
	-12453 Dec 13 j 20:48	0° \mathcal{M}			-12452 Dec 08 j 07:12	0° \mathcal{M}	
	-12452 Jan 02 j 20:36	0° \mathcal{E}		morning set	-12452 Dec 24 j 07:31	28° \mathcal{M} 55'43	
morning set	-12452 Jan 10 j 02:06	14° \mathcal{E} 13'56			-12452 Dec 24 j 20:04	0° \mathcal{E}	
				max. Earth dist.	-12452 Dec 30 j 06:26	11° \mathcal{E} 28'39	1.33031 AU
superior conj	-12452 Jan 17 j 03:20	29° \mathcal{E} 21'55	-0°41'14				
minimum elong	-12452 Jan 17 j 04:51	29° \mathcal{E} 30'13	0°41'19	superior conj	-12452 Dec 31 j 14:31	14° \mathcal{E} 22'17	-1°00'23
max. Earth dist.	-12452 Jan 16 j 19:06	28° \mathcal{E} 36'58	1.32794 AU	minimum elong	-12452 Dec 31 j 16:27	14° \mathcal{E} 32'49	1°00'17
	-12452 Jan 17 j 10:18	0° \mathcal{M}		evening rise	-12451 Jan 07 j 15:20	29° \mathcal{E} 31'36	
asc. node	-12452 Jan 21 j 15:45	9° \mathcal{M} 11'05		asc. node	-12451 Jan 07 j 13:07	29° \mathcal{E} 19'55	
evening rise	-12452 Jan 24 j 04:34	14° \mathcal{M} 33'24			-12451 Jan 07 j 20:45	0° \mathcal{M}	
	-12452 Feb 01 j 01:27	0° \mathcal{X}			-12451 Jan 24 j 20:59	0° \mathcal{X}	
evening max el	-12452 Feb 21 j 10:26	28° \mathcal{X} 41'14	25°57'40	evening max el	-12451 Feb 02 j 04:47	9° \mathcal{X} 43'30	24°35'08
	-12452 Feb 22 j 20:48	0° \mathcal{B}		retrograde	-12451 Feb 16 j 01:05	16° \mathcal{X} 38'39	
retrograde	-12452 Mar 06 j 12:45	5° \mathcal{B} 57'02		evening set	-12451 Feb 20 j 14:28	15° \mathcal{X} 51'36	
desc. node	-12452 Mar 09 j 23:40	5° \mathcal{B} 27'36		desc. node	-12451 Feb 24 j 20:35	13° \mathcal{X} 52'48	
evening set	-12452 Mar 12 j 03:36	4° \mathcal{B} 39'55		min. Earth dist.	-12451 Feb 26 j 18:18	12° \mathcal{X} 43'33	0.56801 AU
min. Earth dist.	-12452 Mar 16 j 23:46	1° \mathcal{B} 46'26	0.58473 AU	inferior conj	-12451 Mar 01 j 07:50	11° \mathcal{X} 03'57	-1°06'05
	-12452 Mar 19 j 09:22	30° \mathcal{R} \mathcal{X}		minimum elong	-12451 Mar 01 j 05:26	11° \mathcal{X} 07'51	1°06'05
inferior conj	-12452 Mar 20 j 05:29	29° \mathcal{X} 22'16	-2°19'11	morning rise	-12451 Mar 09 j 23:34	6° \mathcal{X} 53'01	
minimum elong	-12452 Mar 20 j 02:02	29° \mathcal{X} 28'42	2°19'10	direct	-12451 Mar 12 j 03:23	6° \mathcal{X} 39'56	
morning rise	-12452 Mar 28 j 03:36	24° \mathcal{X} 54'42		morning max el	-12451 Mar 21 j 13:04	11° \mathcal{X} 06'56	19°25'55
direct	-12452 Mar 30 j 11:04	24° \mathcal{X} 36'45			-12451 Apr 03 j 07:42	0° \mathcal{B}	
morning max el	-12452 Apr 07 j 11:47	28° \mathcal{X} 27'26	18°38'31	asc. node	-12451 Apr 05 j 11:27	4° \mathcal{B} 08'03	
	-12452 Apr 08 j 23:38	0° \mathcal{B}		morning set	-12451 Apr 07 j 16:09	8° \mathcal{B} 27'43	
asc. node	-12452 Apr 18 j 14:29	14° \mathcal{B} 37'15					
morning set	-12452 Apr 23 j 18:14	24° \mathcal{B} 20'36		superior conj	-12451 Apr 16 j 00:10	25° \mathcal{B} 02'00	1°23'09
	-12452 Apr 26 j 16:31	0° \approx		minimum elong	-12451 Apr 15 j 21:06	24° \mathcal{B} 47'03	1°22'06
					-12451 Apr 18 j 13:51	0° \approx	
superior conj	-12452 May 02 j 21:37	11° \approx 49'42	1°39'18	max. Earth dist.	-12451 Apr 21 j 22:57	6° \approx 21'24	1.37604 AU
minimum elong	-12452 May 02 j 18:55	11° \approx 37'04	1°38'33	evening rise	-12451 Apr 25 j 23:18	13° \approx 37'59	
max. Earth dist.	-12452 May 09 j 22:25	24° \approx 35'07	1.39450 AU		-12451 May 05 j 15:59	0° \mathcal{H}	
	-12452 May 13 j 01:20	0° \mathcal{H}		desc. node	-12451 May 23 j 18:56	26° \mathcal{H} 14'34	
evening rise	-12452 May 14 j 06:49	2° \mathcal{H} 05'21			-12451 May 26 j 20:19	0° Υ	
	-12452 Jun 01 j 01:57	0° Υ		evening max el	-12451 May 31 j 19:26	5° Υ 27'08	25°06'40
desc. node	-12452 Jun 05 j 21:26	6° Υ 47'40		retrograde	-12451 Jun 12 j 14:12	12° Υ 23'31	
evening max el	-12452 Jun 18 j 09:54	22° Υ 06'30	23°46'49	evening set	-12451 Jun 18 j 10:45	9° Υ 49'52	
retrograde	-12452 Jun 29 j 02:06	28° Υ 26'48		min. Earth dist.	-12451 Jun 22 j 20:58	4° Υ 44'17	0.66801 AU
evening set	-12452 Jul 04 j 08:15	26° Υ 10'46		inferior conj	-12451 Jun 23 j 18:12	3° Υ 33'46	-2°24'01
min. Earth dist.	-12452 Jul 09 j 04:10	20° Υ 27'18	0.67180 AU	minimum elong	-12451 Jun 23 j 20:25	3° Υ 26'21	2°23'23
inferior conj	-12452 Jul 09 j 13:29	19° Υ 55'22	-1°46'43		-12451 Jun 26 j 14:12	30° \mathcal{R} \mathcal{H}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12451 Jun 29 j 06:06	27° K 31'16		morning rise	-12450 Jun 13 j 12:05	11° K 19'43	
direct	-12451 Jul 02 j 21:13	26° K 14'46		direct	-12450 Jun 16 j 19:00	10° K 17'29	
asc. node	-12451 Jul 02 j 12:21	26° K 15'33		asc. node	-12450 Jun 19 j 09:04	10° K 53'52	
	-12451 Jul 09 j 19:22	0° Y		morning max el	-12450 Jun 23 j 17:52	14° K 13'57	19°05'25
morning max el	-12451 Jul 10 j 12:09	0° Y 42'01	20°00'10		-12450 Jul 05 j 06:28	0° Y	
	-12451 Jul 31 j 06:46	0° Z		morning set	-12450 Jul 16 j 02:31	17° Y 07'55	
morning set	-12451 Aug 05 j 12:39	8° Z 08'09			-12450 Jul 24 j 05:10	0° Z	
max. Earth dist.	-12451 Aug 17 j 12:11	27° Z 00'04	1.43956 AU	max. Earth dist.	-12450 Jul 31 j 03:45	10° Z 58'54	1.44545 AU
	-12451 Aug 19 j 09:08	0° II					
desc. node	-12451 Aug 19 j 15:24	0° II 25'11		superior conj	-12450 Aug 01 j 04:08	12° Z 35'27	0°31'18
				minimum elong	-12450 Aug 01 j 07:52	12° Z 50'14	0°31'23
superior conj	-12451 Aug 21 j 21:55	4° II 05'10	-0°13'33	desc. node	-12450 Aug 06 j 12:44	21° Z 06'10	
minimum elong	-12451 Aug 21 j 20:32	3° II 59'32	0°12'41		-12450 Aug 12 j 02:02	0° II	
behind sun begin	-12451 Aug 21 j 13:45	3° II 32'05		evening rise	-12450 Aug 16 j 18:46	7° II 35'31	
behind sun end	-12451 Aug 22 j 03:19	4° II 27'01			-12450 Aug 30 j 21:14	0° III	
evening rise	-12451 Sep 04 j 14:17	26° II 50'07		evening max el	-12450 Sep 06 j 04:45	8° III 05'06	18°43'56
	-12451 Sep 06 j 10:56	0° III		retrograde	-12450 Sep 12 j 22:42	11° III 51'27	
evening max el	-12451 Sep 22 j 15:50	24° III 35'49	18°16'32	asc. node	-12450 Sep 15 j 09:49	11° III 17'17	
asc. node	-12451 Sep 28 j 12:45	28° III 08'14		evening set	-12450 Sep 15 j 22:08	11° III 01'41	
retrograde	-12451 Sep 29 j 06:32	28° III 11'08		inferior conj	-12450 Sep 21 j 21:08	5° III 19'32	1°56'35
evening set	-12451 Oct 01 j 23:35	27° III 32'45		minimum elong	-12450 Sep 21 j 18:29	5° III 27'28	1°56'26
inferior conj	-12451 Oct 08 j 07:46	22° III 05'49	2°46'45	min. Earth dist.	-12450 Sep 23 j 14:46	3° III 15'10	0.64914 AU
minimum elong	-12451 Oct 08 j 04:12	22° III 15'35	2°46'26		-12450 Sep 26 j 15:18	30° R II	
min. Earth dist.	-12451 Oct 10 j 14:09	19° III 37'25	0.63577 AU	morning rise	-12450 Sep 27 j 14:17	29° II 08'59	
morning rise	-12451 Oct 14 j 07:57	16° III 06'12		direct	-12450 Oct 04 j 03:55	26° II 26'35	
direct	-12451 Oct 21 j 06:35	13° III 24'18			-12450 Oct 12 j 18:09	0° III	
morning max el	-12451 Nov 03 j 20:01	20° III 56'45	27°28'10	morning max el	-12450 Oct 17 j 05:59	3° III 55'31	26°53'54
	-12451 Nov 11 j 19:57	0° II		desc. node	-12450 Nov 02 j 12:02	24° III 20'22	
desc. node	-12451 Nov 15 j 15:22	5° II 03'51			-12450 Nov 06 j 05:45	0° II	
	-12451 Dec 01 j 06:36	0° IV		morning set	-12450 Nov 21 j 18:30	26° II 56'21	
morning set	-12451 Dec 08 j 06:02	13° IV 13'14			-12450 Nov 23 j 08:26	0° IV	
max. Earth dist.	-12451 Dec 13 j 11:43	23° IV 56'51	1.33644 AU	max. Earth dist.	-12450 Nov 26 j 07:47	5° IV 54'34	1.34673 AU
superior conj	-12451 Dec 15 j 23:10	29° IV 12'06	-1°16'35	superior conj	-12450 Nov 30 j 03:16	13° IV 44'35	-1°28'53
minimum elong	-12451 Dec 16 j 01:09	29° IV 22'46	1°16'21	minimum elong	-12450 Nov 30 j 04:52	13° IV 52'56	1°28'33
	-12451 Dec 16 j 08:07	0° V		evening rise	-12450 Dec 07 j 12:29	29° IV 15'02	
evening rise	-12451 Dec 23 j 02:31	14° V 27'16			-12450 Dec 07 j 21:10	0° V	
asc. node	-12451 Dec 25 j 10:29	19° V 16'17		asc. node	-12450 Dec 12 j 07:51	8° V 54'33	
	-12451 Dec 31 j 00:38	0° VI			-12450 Dec 26 j 04:14	0° VI	
evening max el	-12450 Jan 14 j 22:14	20° VI 35'08	23°01'43	evening max el	-12450 Dec 27 j 20:06	1° VI 39'20	21°30'32
retrograde	-12450 Jan 28 j 01:03	26° VI 55'26		retrograde	-12449 Jan 08 j 16:01	7° VI 14'10	
evening set	-12450 Jan 31 j 14:36	26° VI 27'40		evening set	-12449 Jan 11 j 14:28	6° VI 54'41	
min. Earth dist.	-12450 Feb 08 j 10:18	22° VI 53'17	0.55731 AU	inferior conj	-12449 Jan 20 j 14:12	2° VI 54'02	2°13'14
inferior conj	-12450 Feb 09 j 16:05	22° VI 09'34	0°31'26	minimum elong	-12449 Jan 20 j 19:20	2° VI 46'43	2°11'23
minimum elong	-12450 Feb 09 j 17:22	22° VI 07'39	0°30'24	min. Earth dist.	-12449 Jan 21 j 00:32	2° VI 39'16	0.55479 AU
desc. node	-12450 Feb 11 j 17:25	20° VI 58'20			-12449 Jan 26 j 02:26	30° R V	
morning rise	-12450 Feb 18 j 21:49	18° VI 05'53		morning rise	-12449 Jan 29 j 23:42	28° V 43'41	
direct	-12450 Feb 21 j 03:09	17° VI 53'53		desc. node	-12449 Jan 29 j 14:08	28° V 48'54	
morning max el	-12450 Mar 04 j 04:17	23° VI 09'24	20°32'43	direct	-12449 Feb 01 j 18:48	28° V 26'13	
	-12450 Mar 09 j 23:23	0° VII			-12449 Feb 08 j 02:44	0° VII	
morning set	-12450 Mar 22 j 21:05	23° VII 00'24		morning max el	-12449 Feb 14 j 08:03	4° VII 31'28	21°56'56
asc. node	-12450 Mar 23 j 08:27	23° VII 58'21			-12449 Mar 03 j 09:11	0° VII	
	-12450 Mar 26 j 06:47	0° VIII		morning set	-12449 Mar 07 j 06:35	7° VII 51'38	
				asc. node	-12449 Mar 10 j 05:33	14° VII 03'05	
superior conj	-12450 Mar 30 j 15:07	8° VIII 54'50	1°02'40				
minimum elong	-12450 Mar 30 j 12:32	8° VIII 41'44	1°01'31	superior conj	-12449 Mar 14 j 14:55	23° VII 18'03	0°39'56
max. Earth dist.	-12450 Apr 04 j 05:25	18° VIII 03'43	1.35977 AU	minimum elong	-12449 Mar 14 j 13:13	23° VII 09'11	0°38'53
evening rise	-12450 Apr 08 j 13:21	26° VIII 18'04			-12449 Mar 17 j 20:41	0° VIII	
	-12450 Apr 10 j 13:44	0° IX		max. Earth dist.	-12449 Mar 17 j 22:01	0° VIII 06'52	1.34675 AU
	-12450 Apr 29 j 01:35	0° X		evening rise	-12449 Mar 22 j 19:23	9° VIII 49'36	
desc. node	-12450 May 10 j 16:23	15° X 02'33			-12449 Apr 03 j 01:23	0° IX	
evening max el	-12450 May 14 j 05:26	18° X 48'29	26°15'28		-12449 Apr 24 j 15:48	0° X	
retrograde	-12450 May 26 j 21:41	26° X 08'54		evening max el	-12449 Apr 26 j 16:25	2° X 04'36	27°04'30
evening set	-12450 Jun 02 j 07:06	23° X 24'19		desc. node	-12449 Apr 27 j 13:46	2° X 55'54	
min. Earth dist.	-12450 Jun 06 j 09:01	18° X 57'57	0.66055 AU	retrograde	-12449 May 09 j 23:54	9° X 36'34	
inferior conj	-12450 Jun 07 j 19:24	17° X 09'51	-2°54'05	evening set	-12449 May 16 j 18:44	6° X 50'59	
minimum elong	-12450 Jun 07 j 21:32	17° X 03'10	2°53'52	min. Earth dist.	-12449 May 20 j 14:11	3° X 02'12	0.64921 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

inferior conj	-12449 May 22 j 14:55	0° H 40'38	-3°14'58	evening set	-12448 Apr 28 j 18:37	20° \approx 03'55	
minimum elong	-12449 May 22 j 16:25	0° H 36'15	3°15'12	min. Earth dist.	-12448 May 02 j 10:47	16° \approx 46'44	0.63398 AU
	-12449 May 23 j 04:57	30° \approx		inferior conj	-12448 May 05 j 02:03	14° \approx 00'50	-3°23'52
morning rise	-12449 May 28 j 14:31	25° \approx 05'35		minimum elong	-12448 May 05 j 02:21	14° \approx 00'02	3°24'26
direct	-12449 May 31 j 14:56	24° \approx 15'42		morning rise	-12448 May 11 j 11:03	8° \approx 43'15	
asc. node	-12449 Jun 06 j 05:48	26° \approx 56'19		direct	-12448 May 14 j 06:08	8° \approx 04'11	
morning max el	-12449 Jun 07 j 04:27	27° \approx 50'25	18°26'59	morning max el	-12448 May 20 j 17:54	11° \approx 27'35	18°06'13
	-12449 Jun 09 j 03:04	0° H		asc. node	-12448 May 23 j 02:35	14° \approx 06'54	
morning set	-12449 Jun 26 j 15:31	27° H 11'47			-12448 Jun 02 j 08:27	0° H	
	-12449 Jun 28 j 08:16	0° Y		morning set	-12448 Jun 07 j 05:32	8° H 25'33	
superior conj	-12449 Jul 11 j 05:03	20° Y 51'55	1°11'53	superior conj	-12448 Jun 19 j 22:13	29° H 56'32	1°38'28
minimum elong	-12449 Jul 11 j 11:40	21° Y 18'16	1°11'31	minimum elong	-12448 Jun 20 j 02:47	0° Y 15'20	1°38'11
max. Earth dist.	-12449 Jul 13 j 20:24	25° Y 03'58	1.44429 AU		-12448 Jun 19 j 23:04	0° Y	
	-12449 Jul 16 j 23:11	0° B		max. Earth dist.	-12448 Jun 25 j 10:47	8° Y 56'10	1.43627 AU
desc. node	-12449 Jul 24 j 10:09	11° B 44'29		evening rise	-12448 Jul 05 j 23:37	25° Y 34'47	
evening rise	-12449 Jul 27 j 19:48	17° B 04'50			-12448 Jul 08 j 20:09	0° B	
	-12449 Aug 05 j 02:17	0° II		desc. node	-12448 Jul 10 j 07:39	2° B 16'34	
greatest brilliancy	-12449 Aug 06 j 19:02	2° II 37'24	-0.8m		-12448 Jul 29 j 09:00	0° II	
evening max el	-12449 Aug 20 j 14:11	21° II 35'51	19°27'56	evening max el	-12448 Aug 02 j 17:48	5° II 04'00	20°27'05
retrograde	-12449 Aug 27 j 18:21	25° II 42'18		retrograde	-12448 Aug 10 j 15:10	9° II 40'12	
evening set	-12449 Aug 31 j 02:26	24° II 37'49		evening set	-12448 Aug 14 j 09:59	8° II 17'50	
asc. node	-12449 Sep 02 j 06:49	22° II 48'54		asc. node	-12448 Aug 19 j 03:44	3° II 08'30	
inferior conj	-12449 Sep 05 j 18:00	18° II 43'22	1°04'25	inferior conj	-12448 Aug 19 j 20:00	2° II 14'03	0°12'43
minimum elong	-12449 Sep 05 j 16:31	18° II 48'06	1°04'36	minimum elong	-12448 Aug 19 j 19:43	2° II 15'03	0°13'16
min. Earth dist.	-12449 Sep 06 j 23:31	17° II 08'50	0.65944 AU	transit middle	-12448 Aug 19 j 19:43	2° II 15'03	0°13'16
morning rise	-12449 Sep 11 j 06:17	12° II 25'36		transit begin	-12448 Aug 19 j 18:06	2° II 20'28	
direct	-12449 Sep 17 j 07:09	9° II 52'16		transit end	-12448 Aug 19 j 21:19	2° II 09'39	
morning max el	-12449 Sep 29 j 16:09	17° II 07'09	25°54'50	min. Earth dist.	-12448 Aug 20 j 14:20	1° II 12'28	0.66668 AU
	-12449 Oct 10 j 12:52	0° B			-12448 Aug 21 j 12:16	30° R B	
desc. node	-12449 Oct 20 j 08:46	14° B 07'23		morning rise	-12448 Aug 25 j 05:15	25° B 52'55	
	-12449 Oct 30 j 03:22	0° Ω		direct	-12448 Aug 30 j 15:53	23° B 34'25	
morning set	-12449 Nov 04 j 16:44	9° Ω 52'24			-12448 Sep 10 j 16:45	0° II	
max. Earth dist.	-12449 Nov 08 j 17:24	17° Ω 26'05	1.36135 AU	morning max el	-12448 Sep 11 j 02:07	0° II 23'26	24°39'19
					-12448 Oct 03 j 11:33	0° B	
superior conj	-12449 Nov 14 j 00:14	27° Ω 50'54	-1°36'02	desc. node	-12448 Oct 06 j 05:38	4° B 16'12	
minimum elong	-12449 Nov 14 j 00:54	27° Ω 54'18	1°35'36	morning set	-12448 Oct 16 j 19:47	21° B 48'16	
	-12449 Nov 15 j 01:45	0° H		max. Earth dist.	-12448 Oct 20 j 18:53	28° B 51'35	1.37946 AU
evening rise	-12449 Nov 21 j 19:29	13° H 48'44			-12448 Oct 21 j 09:54	0° Ω	
asc. node	-12449 Nov 29 j 05:15	28° H 07'14					
	-12449 Nov 30 j 07:10	0° Ω		superior conj	-12448 Oct 27 j 10:45	11° Ω 21'29	-1°36'24
evening max el	-12449 Dec 10 j 02:29	13° Ω 11'08	20°11'34	minimum elong	-12448 Oct 27 j 09:57	11° Ω 17'37	1°35'47
retrograde	-12449 Dec 20 j 08:59	18° Ω 00'40		evening rise	-12448 Nov 04 j 21:29	28° Ω 02'43	
evening set	-12449 Dec 23 j 00:21	17° Ω 42'57			-12448 Nov 05 j 21:11	0° H	
inferior conj	-12449 Dec 31 j 14:57	13° Ω 41'31	3°31'53	asc. node	-12448 Nov 15 j 02:36	16° H 45'31	
minimum elong	-12449 Dec 31 j 20:17	13° Ω 33'24	3°30'43	evening max el	-12448 Nov 21 j 19:10	25° H 17'14	19°10'45
min. Earth dist.	-12448 Jan 02 j 13:31	12° Ω 30'51	0.56080 AU	retrograde	-12448 Nov 30 j 15:08	29° H 30'04	
morning rise	-12448 Jan 09 j 14:29	9° Ω 11'46		evening set	-12448 Dec 03 j 03:17	29° H 11'11	
direct	-12448 Jan 13 j 12:59	8° Ω 37'34		inferior conj	-12448 Dec 11 j 05:50	24° H 55'47	4°11'40
desc. node	-12448 Jan 16 j 10:47	8° Ω 56'50		minimum elong	-12448 Dec 11 j 07:54	24° H 52'13	4°11'37
morning max el	-12448 Jan 27 j 02:18	15° Ω 21'02	23°32'28	min. Earth dist.	-12448 Dec 14 j 03:13	22° H 56'55	0.57383 AU
	-12448 Feb 07 j 12:43	0° H		morning rise	-12448 Dec 19 j 10:28	20° H 01'40	
morning set	-12448 Feb 19 j 18:31	22° H 53'06		direct	-12448 Dec 24 j 17:20	18° H 56'43	
	-12448 Feb 23 j 02:57	0° H		desc. node	-12447 Jan 02 j 07:25	21° H 44'30	
asc. node	-12448 Feb 25 j 02:44	4° H 16'33		morning max el	-12447 Jan 07 j 17:01	26° H 02'50	25°07'14
					-12447 Jan 11 j 10:56	0° Ω	
superior conj	-12448 Feb 26 j 20:44	8° H 01'48	0°16'24		-12447 Jan 30 j 09:28	0° H	
minimum elong	-12448 Feb 26 j 20:03	7° H 58'11	0°15'34	morning set	-12447 Feb 03 j 07:02	7° H 58'00	
behind sun begin	-12448 Feb 26 j 19:15	7° H 53'50					
behind sun end	-12448 Feb 26 j 20:52	8° H 02'33		superior conj	-12447 Feb 10 j 06:21	22° H 58'38	-0°06'56
max. Earth dist.	-12448 Feb 29 j 00:21	12° H 36'18	1.33715 AU	minimum elong	-12447 Feb 10 j 06:40	23° H 00'19	0°07'28
evening rise	-12448 Mar 05 j 12:45	23° H 57'07		behind sun begin	-12447 Feb 10 j 02:11	22° H 35'58	
	-12448 Mar 08 j 15:09	0° B		behind sun end	-12447 Feb 10 j 11:09	23° H 24'40	
	-12448 Mar 26 j 16:21	0° \approx		asc. node	-12447 Feb 10 j 24:00	24° H 34'16	
evening max el	-12448 Apr 08 j 02:42	15° \approx 03'16	27°26'41	max. Earth dist.	-12447 Feb 11 j 09:37	25° H 26'22	1.33093 AU
desc. node	-12448 Apr 13 j 11:03	19° \approx 32'00			-12447 Feb 13 j 12:33	0° H	
retrograde	-12448 Apr 21 j 20:13	22° \approx 38'15		evening rise	-12447 Feb 17 j 14:02	8° H 29'27	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12447 Mar 01 j 02:04	0°♂		evening rise	-12446 Feb 01 j 20:38	23°♂17'57	
evening max el	-12447 Mar 21 j 09:57	27°♂32'51	27°17'17		-12446 Feb 05 j 03:56	0°♂	
	-12447 Mar 24 j 03:26	0°♂			-12446 Feb 23 j 06:48	0°♂	
desc. node	-12447 Mar 31 j 08:14	4°♂21'11		evening max el	-12446 Mar 03 j 12:25	9°♂26'56	26°35'20
retrograde	-12447 Apr 04 j 09:55	5°♂05'19		retrograde	-12446 Mar 17 j 15:34	16°♂51'11	
evening set	-12447 Apr 11 j 03:28	2°♂55'04		desc. node	-12446 Mar 18 j 05:20	16°♂50'20	
	-12447 Apr 14 j 21:33	30°♂♂		evening set	-12446 Mar 23 j 18:27	15°♂14'15	
min. Earth dist.	-12447 Apr 14 j 22:21	29°♂58'13	0.61556 AU	min. Earth dist.	-12446 Mar 28 j 01:52	12°♂23'19	0.59567 AU
inferior conj	-12447 Apr 18 j 01:34	27°♂03'42	-3°16'43	inferior conj	-12446 Mar 31 j 09:56	9°♂41'36	-2°47'57
minimum elong	-12447 Apr 18 j 00:12	27°♂06'53	3°17'18	minimum elong	-12446 Mar 31 j 06:57	9°♂47'41	2°48'11
morning rise	-12447 Apr 24 j 22:47	22°♂05'19		morning rise	-12446 Apr 07 j 22:14	5°♂02'54	
direct	-12447 Apr 27 j 13:10	21°♂35'41		direct	-12446 Apr 10 j 08:03	4°♂41'17	
morning max el	-12447 May 04 j 07:40	24°♂59'25	18°03'47	morning max el	-12446 Apr 17 j 18:57	8°♂18'27	18°20'18
	-12447 May 08 j 11:39	0°♂		asc. node	-12446 Apr 26 j 20:18	20°♂56'00	
asc. node	-12447 May 09 j 23:25	2°♂10'48			-12446 May 01 j 20:30	0°♂	
morning set	-12447 May 20 j 17:01	20°♂41'24		morning set	-12446 May 03 j 21:15	3°♂49'11	
	-12447 May 25 j 20:55	0°♂					
superior conj	-12447 May 31 j 17:49	10°♂19'16	1°48'43	superior conj	-12446 May 13 j 14:52	21°♂58'52	1°45'35
minimum elong	-12447 May 31 j 18:35	10°♂22'35	1°48'27	minimum elong	-12446 May 13 j 12:58	21°♂50'11	1°45'01
max. Earth dist.	-12447 Jun 07 j 19:44	22°♂16'25	1.42260 AU	max. Earth dist.	-12446 May 18 j 02:41	0°♂	
	-12447 Jun 12 j 13:41	0°♂		evening rise	-12446 May 20 j 22:56	4°♂55'46	1.40521 AU
evening rise	-12447 Jun 15 j 01:56	4°♂00'11			-12446 May 26 j 00:04	13°♂24'25	
desc. node	-12447 Jun 27 j 05:12	22°♂38'03		desc. node	-12446 Jun 05 j 11:29	0°♂	
	-12447 Jul 02 j 05:59	0°♂			-12446 Jun 14 j 02:45	12°♂44'09	
evening max el	-12447 Jul 16 j 14:20	18°♂27'02	21°38'59	evening max el	-12446 Jun 27 j 11:52	0°♂	
retrograde	-12447 Jul 25 j 11:09	23°♂41'25		retrograde	-12446 Jun 29 j 04:38	1°♂47'17	22°59'17
evening set	-12447 Jul 29 j 18:36	21°♂58'46		evening set	-12446 Jul 09 j 04:49	7°♂43'50	
inferior conj	-12447 Aug 04 j 01:05	15°♂48'32	-0°36'46		-12446 Jul 14 j 02:23	5°♂39'58	
minimum elong	-12447 Aug 04 j 01:50	15°♂45'56	0°35'57		-12446 Jul 18 j 21:33	30°♂♂	
min. Earth dist.	-12447 Aug 04 j 08:51	15°♂21'45	0.67102 AU	inferior conj	-12446 Jul 19 j 07:26	29°♂25'49	-1°22'33
asc. node	-12447 Aug 06 j 00:38	13°♂07'44		minimum elong	-12446 Jul 19 j 09:01	29°♂20'23	1°21'37
morning rise	-12447 Aug 09 j 08:57	9°♂27'52		min. Earth dist.	-12446 Jul 19 j 04:35	29°♂35'40	0.67244 AU
direct	-12447 Aug 14 j 05:36	7°♂26'52		asc. node	-12446 Jul 23 j 21:28	23°♂48'48	
morning max el	-12447 Aug 24 j 12:54	13°♂39'10	23°16'02	morning rise	-12446 Jul 24 j 15:33	23°♂09'29	
	-12447 Sep 06 j 15:48	0°♂		direct	-12446 Jul 28 j 23:27	21°♂26'29	
desc. node	-12447 Sep 23 j 02:36	24°♂39'27		morning max el	-12446 Aug 07 j 02:59	26°♂56'07	21°53'20
	-12447 Sep 26 j 09:54	0°♂			-12446 Aug 09 j 21:33	0°♂	
morning set	-12447 Sep 27 j 22:27	2°♂30'39			-12446 Aug 31 j 06:42	0°♂	
max. Earth dist.	-12447 Oct 02 j 17:47	10°♂38'24	1.39919 AU	morning set	-12446 Sep 07 j 23:00	11°♂57'48	
				desc. node	-12446 Sep 09 j 23:39	15°♂12'24	
superior conj	-12447 Oct 10 j 06:20	24°♂03'14	-1°27'58	max. Earth dist.	-12446 Sep 14 j 20:18	23°♂08'39	1.41805 AU
minimum elong	-12447 Oct 10 j 03:44	23°♂51'16	1°27'05		-12446 Sep 18 j 22:11	0°♂	
	-12447 Oct 13 j 11:00	0°♂		superior conj	-12446 Sep 22 j 05:32	5°♂42'04	-1°08'33
evening rise	-12447 Oct 19 j 15:49	11°♂49'24		minimum elong	-12446 Sep 22 j 01:34	5°♂24'46	1°07'24
	-12447 Oct 29 j 18:12	0°♂		evening rise	-12446 Oct 02 j 23:09	25°♂00'52	
asc. node	-12447 Nov 01 j 23:55	4°♂38'07			-12446 Oct 05 j 16:29	0°♂	
evening max el	-12447 Nov 04 j 21:15	7°♂54'29	18°30'12	evening max el	-12446 Oct 19 j 06:16	20°♂55'49	18°09'50
retrograde	-12447 Nov 12 j 14:40	11°♂42'36		asc. node	-12446 Oct 19 j 21:11	21°♂31'27	
evening set	-12447 Nov 15 j 01:45	11°♂20'41		retrograde	-12446 Oct 26 j 06:29	24°♂30'55	
inferior conj	-12447 Nov 22 j 15:40	6°♂45'17	4°14'52	evening set	-12446 Oct 28 j 18:21	24°♂04'14	
minimum elong	-12447 Nov 22 j 14:12	6°♂48'13	4°15'06	inferior conj	-12446 Nov 04 j 19:56	19°♂07'20	3°52'01
min. Earth dist.	-12447 Nov 25 j 20:27	4°♂13'51	0.59106 AU	minimum elong	-12446 Nov 04 j 16:29	19°♂15'10	3°51'59
morning rise	-12447 Nov 30 j 00:50	1°♂29'06		min. Earth dist.	-12446 Nov 07 j 20:12	16°♂23'41	0.60953 AU
	-12447 Dec 04 j 02:06	30°♂♂		morning rise	-12446 Nov 11 j 13:16	13°♂32'18	
direct	-12447 Dec 06 j 09:37	29°♂46'18		direct	-12446 Nov 18 j 12:01	11°♂16'50	
	-12447 Dec 08 j 17:46	0°♂		morning max el	-12446 Dec 02 j 10:11	18°♂41'34	27°17'07
desc. node	-12447 Dec 20 j 04:01	6°♂48'39		desc. node	-12446 Dec 07 j 00:36	23°♂35'46	
morning max el	-12447 Dec 20 j 10:34	7°♂04'10	26°26'13		-12446 Dec 12 j 02:21	0°♂	
	-12446 Jan 06 j 14:52	0°♂			-12446 Dec 30 j 04:44	0°♂	
morning set	-12446 Jan 18 j 18:20	22°♂59'42		morning set	-12445 Jan 03 j 02:28	7°♂50'42	
	-12446 Jan 22 j 01:21	0°♂		max. Earth dist.	-12445 Jan 09 j 11:24	21°♂25'34	1.32848 AU
superior conj	-12446 Jan 25 j 17:55	8°♂02'04	-0°29'11	superior conj	-12445 Jan 10 j 05:42	23°♂05'19	-0°49'40
minimum elong	-12446 Jan 25 j 19:04	8°♂08'18	0°29'26	minimum elong	-12445 Jan 10 j 07:26	23°♂14'47	0°49'41
max. Earth dist.	-12446 Jan 25 j 22:29	8°♂27'01	1.32801 AU		-12445 Jan 13 j 09:49	0°♂	
asc. node	-12446 Jan 28 j 21:18	14°♂52'08		asc. node	-12445 Jan 15 j 18:37	5°♂05'32	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening rise	-12445 Jan 17 j 06:23	8°♄14'38			-12444 Jan 05 j 00:51	0°♄	
	-12445 Jan 28 j 17:38	0°♄			-12444 Jan 24 j 10:21	0°♄	
evening max el	-12445 Feb 13 j 09:30	20°♄45'32	25°24'54	evening max el	-12444 Jan 26 j 02:58	1°♄40'50	23°55'54
retrograde	-12445 Feb 27 j 10:32	27°♄53'39		retrograde	-12444 Feb 08 j 17:01	8°♄22'09	
evening set	-12445 Mar 04 j 14:40	26°♄50'43		evening set	-12444 Feb 12 j 19:48	7°♄44'41	
desc. node	-12445 Mar 05 j 02:20	26°♄38'37		min. Earth dist.	-12444 Feb 19 j 16:11	4°♄27'14	0.56263 AU
min. Earth dist.	-12445 Mar 09 j 23:08	23°♄52'15	0.57700 AU	desc. node	-12444 Feb 19 j 23:11	4°♄16'36	
inferior conj	-12445 Mar 12 j 23:44	21°♄45'22	-1°51'46	inferior conj	-12444 Feb 21 j 17:51	3°♄10'48	-0°26'51
minimum elong	-12445 Mar 12 j 20:24	21°♄51'15	1°51'40	minimum elong	-12444 Feb 21 j 16:46	3°♄12'29	0°27'12
morning rise	-12445 Mar 21 j 05:21	17°♄25'10			-12444 Feb 27 j 14:44	30°♄	
direct	-12445 Mar 23 j 10:57	17°♄09'38		morning rise	-12444 Mar 01 j 16:20	29°♄04'22	
morning max el	-12445 Apr 01 j 00:38	21°♄14'25	18°56'16	direct	-12444 Mar 03 j 20:04	28°♄52'10	
	-12445 Apr 07 j 20:54	0°♄			-12444 Mar 08 j 18:20	0°♄	
asc. node	-12445 Apr 13 j 17:12	10°♄12'06		morning max el	-12444 Mar 13 j 21:48	3°♄38'25	19°52'00
morning set	-12445 Apr 17 j 13:46	17°♄37'10		asc. node	-12444 Mar 30 j 14:09	29°♄51'44	
	-12445 Apr 23 j 21:41	0°♄			-12444 Mar 30 j 15:49	0°♄	
				morning set	-12444 Mar 31 j 15:00	1°♄56'01	
superior conj	-12445 Apr 26 j 08:08	4°♄40'49	1°33'09	superior conj	-12444 Apr 08 j 16:26	18°♄11'19	1°14'51
minimum elong	-12445 Apr 26 j 05:08	4°♄26'34	1°32'14	minimum elong	-12444 Apr 08 j 13:30	17°♄56'46	1°13'44
max. Earth dist.	-12445 May 02 j 23:10	16°♄57'12	1.38650 AU	max. Earth dist.	-12444 Apr 14 j 01:52	28°♄39'26	1.36880 AU
evening rise	-12445 May 07 j 01:40	24°♄10'57			-12444 Apr 14 j 18:57	0°♄	
	-12445 May 10 j 11:50	0°♄		evening rise	-12444 Apr 18 j 04:00	6°♄13'40	
	-12445 May 30 j 04:36	0°♄			-12444 May 02 j 08:41	0°♄	
desc. node	-12445 Jun 01 j 00:18	2°♄27'38		desc. node	-12444 May 17 j 21:48	21°♄39'12	
evening max el	-12445 Jun 11 j 15:09	15°♄07'18	24°21'38	evening max el	-12444 May 24 j 00:44	28°♄28'25	25°37'50
retrograde	-12445 Jun 22 j 19:01	21°♄43'34			-12444 May 25 j 15:00	0°♄	
evening set	-12445 Jun 28 j 07:22	19°♄19'42		retrograde	-12444 Jun 05 j 05:02	5°♄35'53	
min. Earth dist.	-12445 Jul 02 j 23:06	13°♄51'57	0.67065 AU	evening set	-12444 Jun 11 j 07:31	2°♄56'29	
inferior conj	-12445 Jul 03 j 13:15	13°♄03'58	-2°03'20		-12444 Jun 14 j 02:14	30°♄	
minimum elong	-12445 Jul 03 j 15:21	12°♄56'51	2°02'31	min. Earth dist.	-12444 Jun 15 j 14:01	28°♄07'48	0.66533 AU
morning rise	-12445 Jul 08 j 23:16	6°♄55'31		inferior conj	-12444 Jun 16 j 16:41	26°♄41'04	-2°37'46
asc. node	-12445 Jul 10 j 18:14	5°♄54'06		minimum elong	-12444 Jun 16 j 18:56	26°♄33'46	2°37'18
direct	-12445 Jul 12 j 20:03	5°♄29'41		morning rise	-12444 Jun 22 j 06:24	20°♄43'41	
morning max el	-12445 Jul 20 j 22:43	10°♄17'43	20°38'09	direct	-12444 Jun 25 j 17:53	19°♄33'26	
	-12445 Aug 04 j 17:09	0°♄		asc. node	-12444 Jun 26 j 14:58	19°♄37'44	
morning set	-12445 Aug 18 j 05:05	20°♄34'31		morning max el	-12444 Jul 03 j 01:02	23°♄46'05	19°35'04
	-12445 Aug 24 j 04:59	0°♄			-12444 Jul 08 j 04:26	0°♄	
desc. node	-12445 Aug 27 j 20:50	5°♄51'17		morning set	-12444 Jul 27 j 10:41	29°♄11'28	
max. Earth dist.	-12445 Aug 28 j 05:26	6°♄25'57	1.43330 AU		-12444 Jul 27 j 23:05	0°♄	
				max. Earth dist.	-12444 Aug 09 j 19:54	20°♄16'22	1.44290 AU
superior conj	-12445 Sep 03 j 02:55	16°♄04'25	-0°36'52	superior conj	-12444 Aug 12 j 21:01	25°♄07'51	0°05'15
minimum elong	-12445 Sep 02 j 23:36	15°♄50'42	0°35'44	minimum elong	-12444 Aug 12 j 21:42	25°♄10'35	0°05'48
	-12445 Sep 11 j 08:19	0°♄		behind sun begin	-12444 Aug 12 j 11:16	24°♄28'52	
evening rise	-12445 Sep 15 j 15:08	7°♄27'01		behind sun end	-12444 Aug 13 j 08:08	25°♄52'21	
	-12445 Sep 29 j 06:50	0°♄		desc. node	-12444 Aug 13 j 18:07	26°♄32'20	
evening max el	-12445 Oct 02 j 19:09	4°♄13'24	18°08'46		-12444 Aug 15 j 21:47	0°♄	
asc. node	-12445 Oct 06 j 18:23	7°♄09'44		evening rise	-12444 Aug 27 j 10:16	18°♄53'45	
retrograde	-12445 Oct 09 j 10:59	7°♄45'57			-12444 Sep 03 j 02:34	0°♄	
evening set	-12445 Oct 12 j 01:34	7°♄12'27		evening max el	-12444 Sep 15 j 08:51	17°♄39'44	18°26'01
inferior conj	-12445 Oct 18 j 15:43	1°♄55'27	3°13'19	retrograde	-12444 Sep 22 j 00:02	21°♄18'48	
minimum elong	-12445 Oct 18 j 11:53	2°♄05'18	3°13'02	asc. node	-12444 Sep 22 j 15:30	21°♄16'32	
	-12445 Oct 20 j 12:28	30°♄		evening set	-12444 Sep 24 j 19:32	20°♄35'53	
min. Earth dist.	-12445 Oct 21 j 05:11	29°♄17'52	0.62687 AU	inferior conj	-12444 Sep 30 j 23:35	15°♄01'47	2°25'56
morning rise	-12445 Oct 24 j 21:13	26°♄04'06		minimum elong	-12444 Sep 30 j 20:21	15°♄11'00	2°25'39
direct	-12445 Oct 31 j 22:23	23°♄28'16		min. Earth dist.	-12444 Oct 03 j 00:23	12°♄42'57	0.64181 AU
	-12445 Nov 13 j 15:08	0°♄		morning rise	-12444 Oct 06 j 20:29	8°♄57'01	
morning max el	-12445 Nov 14 j 15:46	0°♄58'05	27°34'01	direct	-12444 Oct 13 j 15:45	6°♄13'54	
desc. node	-12445 Nov 23 j 21:10	11°♄37'08		morning max el	-12444 Oct 27 j 01:07	13°♄45'34	27°17'09
	-12445 Dec 06 j 02:53	0°♄			-12444 Nov 09 j 09:11	0°♄	
morning set	-12445 Dec 18 j 05:17	22°♄23'30		desc. node	-12444 Nov 09 j 17:47	0°♄30'32	
	-12445 Dec 21 j 21:43	0°♄			-12444 Nov 27 j 15:02	0°♄	
max. Earth dist.	-12445 Dec 23 j 20:44	4°♄09'37	1.33249 AU	morning set	-12444 Nov 30 j 23:58	6°♄27'48	
				max. Earth dist.	-12444 Dec 05 j 22:44	16°♄26'43	1.34037 AU
superior conj	-12445 Dec 25 j 16:02	8°♄02'21	-1°07'40	superior conj	-12444 Dec 08 j 23:01	22°♄45'30	-1°22'22
minimum elong	-12445 Dec 25 j 18:03	8°♄13'14	1°07'30				
evening rise	-12444 Jan 01 j 17:34	23°♄13'07					
asc. node	-12444 Jan 02 j 15:58	25°♄10'02					

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12444 Dec 09 j 00:54	22° \mathbb{M} 55'31	1°22'04	minimum elong	-12443 Nov 23 j 01:43	7° \mathbb{M} 14'20	1°32'16
	-12444 Dec 12 j 08:37	0° \mathfrak{A}		evening rise	-12443 Nov 30 j 13:24	22° \mathbb{M} 48'30	
evening rise	-12444 Dec 16 j 04:27	8° \mathfrak{A} 06'12			-12443 Dec 04 j 02:52	0° \mathfrak{A}	
asc. node	-12444 Dec 19 j 13:20	14° \mathfrak{A} 59'32		asc. node	-12443 Dec 06 j 10:44	4° \mathfrak{A} 27'48	
	-12444 Dec 27 j 22:06	0° \mathbb{M}		evening max el	-12443 Dec 19 j 22:27	23° \mathfrak{A} 48'20	20°54'52
evening max el	-12443 Jan 06 j 21:25	12° \mathbb{M} 34'10	22°21'47	retrograde	-12443 Dec 31 j 03:05	29° \mathfrak{A} 03'38	
retrograde	-12443 Jan 19 j 12:22	18° \mathbb{M} 36'20		evening set	-12442 Jan 02 j 21:27	28° \mathfrak{A} 45'38	
evening set	-12443 Jan 22 j 18:28	18° \mathbb{M} 13'01		inferior conj	-12442 Jan 11 j 17:55	24° \mathfrak{A} 46'33	2°50'51
inferior conj	-12443 Jan 31 j 20:19	14° \mathbb{M} 04'03	1°15'48	minimum elong	-12442 Jan 11 j 23:41	24° \mathfrak{A} 38'09	2°49'08
minimum elong	-12443 Jan 31 j 23:28	13° \mathbb{M} 59'31	1°14'17	min. Earth dist.	-12442 Jan 12 j 20:51	24° \mathfrak{A} 07'21	0.55636 AU
min. Earth dist.	-12443 Jan 31 j 07:01	14° \mathbb{M} 23'09	0.55522 AU	morning rise	-12442 Jan 21 j 00:43	20° \mathfrak{A} 28'46	
desc. node	-12443 Feb 05 j 19:55	11° \mathbb{M} 25'25		desc. node	-12442 Jan 23 j 16:36	20° \mathfrak{A} 06'41	
morning rise	-12443 Feb 10 j 05:21	9° \mathbb{M} 59'51		direct	-12442 Jan 24 j 05:49	20° \mathfrak{A} 06'00	
direct	-12443 Feb 12 j 14:42	9° \mathbb{M} 46'38		morning max el	-12442 Feb 06 j 07:35	26° \mathfrak{A} 30'01	22°36'49
morning max el	-12443 Feb 24 j 08:12	15° \mathbb{M} 23'21	21°06'46		-12442 Feb 09 j 14:48	0° \mathbb{M}	
	-12443 Mar 07 j 05:09	0° \mathfrak{A}			-12442 Feb 27 j 14:52	0° \mathfrak{A}	
morning set	-12443 Mar 15 j 22:08	16° \mathfrak{A} 37'18		morning set	-12442 Feb 28 j 08:52	1° \mathfrak{A} 33'19	
asc. node	-12443 Mar 17 j 11:12	19° \mathfrak{A} 48'41		asc. node	-12442 Mar 04 j 08:20	9° \mathfrak{A} 57'29	
	-12443 Mar 22 j 08:45	0° \mathfrak{B}					
superior conj	-12443 Mar 23 j 11:33	2° \mathfrak{B} 18'14	0°53'11	superior conj	-12442 Mar 07 j 14:12	16° \mathfrak{A} 51'07	0°29'58
minimum elong	-12443 Mar 23 j 09:19	2° \mathfrak{B} 06'44	0°52'04	minimum elong	-12442 Mar 07 j 12:56	16° \mathfrak{A} 44'26	0°29'00
max. Earth dist.	-12443 Mar 27 j 12:21	10° \mathfrak{B} 28'12	1.35376 AU	max. Earth dist.	-12442 Mar 10 j 08:58	22° \mathfrak{A} 40'45	1.34219 AU
evening rise	-12443 Apr 01 j 01:26	19° \mathfrak{B} 17'01			-12442 Mar 13 j 23:17	0° \mathfrak{B}	
	-12443 Apr 06 j 22:34	0° \mathfrak{A}		evening rise	-12442 Mar 15 j 12:46	3° \mathfrak{B} 05'11	
	-12443 Apr 26 j 09:04	0° \mathfrak{A}			-12442 Mar 30 j 18:58	0° \mathfrak{A}	
desc. node	-12443 May 04 j 19:13	10° \mathfrak{A} 06'00		evening max el	-12442 Apr 18 j 21:45	24° \mathfrak{A} 57'04	27°17'38
evening max el	-12443 May 06 j 11:01	11° \mathfrak{A} 47'46	26°39'12	desc. node	-12442 Apr 21 j 16:34	27° \mathfrak{A} 29'23	
retrograde	-12443 May 19 j 10:25	19° \mathfrak{A} 14'52			-12442 Apr 25 j 01:32	0° \mathfrak{A}	
evening set	-12443 May 26 j 00:30	16° \mathfrak{A} 28'05		retrograde	-12442 May 02 j 10:26	2° \mathfrak{A} 32'12	
min. Earth dist.	-12443 May 29 j 23:15	12° \mathfrak{A} 18'28	0.65617 AU	evening set	-12442 May 09 j 07:33	29° \mathfrak{A} 49'41	
inferior conj	-12443 May 31 j 15:46	10° \mathfrak{A} 15'04	-3°04'14		-12442 May 09 j 02:14	30° \mathfrak{A}	
minimum elong	-12443 May 31 j 17:42	10° \mathfrak{A} 09'10	3°04'13	min. Earth dist.	-12442 May 13 j 00:59	26° \mathfrak{A} 15'22	0.64308 AU
morning rise	-12443 Jun 06 j 11:08	4° \mathfrak{A} 31'21		inferior conj	-12442 May 15 j 08:03	23° \mathfrak{A} 41'41	-3°20'28
direct	-12443 Jun 09 j 15:04	3° \mathfrak{A} 34'44		minimum elong	-12442 May 15 j 09:07	23° \mathfrak{A} 38'42	3°20'52
asc. node	-12443 Jun 13 j 11:42	4° \mathfrak{A} 53'42		morning rise	-12442 May 21 j 11:20	18° \mathfrak{A} 13'54	
morning max el	-12443 Jun 16 j 09:09	7° \mathfrak{A} 20'45	18°47'06	direct	-12442 May 24 j 09:14	17° \mathfrak{A} 28'59	
	-12443 Jul 02 j 01:45	0° \mathfrak{Y}		morning max el	-12442 May 30 j 21:15	20° \mathfrak{A} 57'55	18°15'58
morning set	-12443 Jul 07 j 09:34	8° \mathfrak{Y} 36'13		asc. node	-12442 May 31 j 08:27	21° \mathfrak{A} 26'46	
	-12443 Jul 20 j 18:38	0° \mathfrak{B}			-12442 Jun 06 j 18:37	0° \mathfrak{A}	
superior conj	-12443 Jul 22 j 22:13	3° \mathfrak{B} 24'18	0°49'46	morning set	-12442 Jun 18 j 09:20	19° \mathfrak{A} 09'20	
minimum elong	-12443 Jul 23 j 03:45	3° \mathfrak{B} 46'14	0°49'33		-12442 Jun 24 j 20:56	0° \mathfrak{Y}	
max. Earth dist.	-12443 Jul 23 j 12:22	4° \mathfrak{B} 20'19	1.44573 AU	superior conj	-12442 Jul 02 j 03:51	11° \mathfrak{Y} 54'45	1°25'12
desc. node	-12443 Jul 31 j 15:32	17° \mathfrak{B} 12'44		minimum elong	-12442 Jul 02 j 10:05	12° \mathfrak{Y} 19'54	1°24'50
evening rise	-12443 Aug 08 j 03:13	29° \mathfrak{B} 07'23		max. Earth dist.	-12442 Jul 06 j 03:44	18° \mathfrak{Y} 19'16	1.44158 AU
	-12443 Aug 08 j 16:24	0° \mathbb{I}			-12442 Jul 13 j 13:05	0° \mathfrak{B}	
	-12443 Aug 28 j 18:35	0° \mathfrak{B}		evening rise	-12442 Jul 18 j 17:28	8° \mathfrak{B} 05'57	
evening max el	-12443 Aug 29 j 20:34	1° \mathfrak{B} 10'00	19°00'38	desc. node	-12442 Jul 18 j 13:02	7° \mathfrak{B} 48'39	
retrograde	-12443 Sep 05 j 18:10	5° \mathfrak{B} 04'13		greatest brilliancy	-12442 Jul 31 j 00:20	26° \mathfrak{B} 59'57	-0.7m
evening set	-12443 Sep 08 j 20:54	4° \mathfrak{B} 08'44			-12442 Aug 02 j 00:34	0° \mathbb{I}	
asc. node	-12443 Sep 09 j 12:33	3° \mathfrak{B} 43'21		evening max el	-12442 Aug 13 j 03:43	14° \mathbb{I} 39'37	19°51'26
	-12443 Sep 13 j 07:53	30° \mathfrak{R} \mathbb{I}		retrograde	-12442 Aug 20 j 14:33	18° \mathbb{I} 57'49	
inferior conj	-12443 Sep 14 j 16:31	28° \mathbb{I} 20'49	1°34'35	evening set	-12442 Aug 24 j 02:51	17° \mathbb{I} 46'17	
minimum elong	-12443 Sep 14 j 14:21	28° \mathbb{I} 27'31	1°34'33	asc. node	-12442 Aug 27 j 09:32	14° \mathbb{I} 39'08	
min. Earth dist.	-12443 Sep 16 j 04:52	26° \mathbb{I} 28'34	0.65385 AU	inferior conj	-12442 Aug 29 j 15:51	11° \mathbb{I} 47'42	0°42'21
morning rise	-12443 Sep 20 j 07:19	22° \mathbb{I} 06'26		minimum elong	-12442 Aug 29 j 14:53	11° \mathbb{I} 50'53	0°42'41
direct	-12443 Sep 26 j 15:43	19° \mathbb{I} 26'58		min. Earth dist.	-12442 Aug 30 j 16:36	10° \mathbb{I} 26'34	0.66285 AU
morning max el	-12443 Oct 09 j 11:36	26° \mathbb{I} 52'08	26°31'20	morning rise	-12442 Sep 04 j 02:36	5° \mathbb{I} 27'51	
	-12443 Oct 12 j 11:06	0° \mathfrak{B}		direct	-12442 Sep 09 j 21:31	3° \mathbb{I} 00'01	
desc. node	-12443 Oct 27 j 14:30	20° \mathfrak{B} 01'15		morning max el	-12442 Sep 21 j 21:32	10° \mathbb{I} 05'58	25°24'10
	-12443 Nov 02 j 23:20	0° \mathfrak{Q}			-12442 Oct 07 j 18:59	0° \mathfrak{B}	
morning set	-12443 Nov 14 j 07:00	19° \mathfrak{Q} 52'49		desc. node	-12442 Oct 14 j 11:19	9° \mathfrak{B} 58'27	
max. Earth dist.	-12443 Nov 18 j 14:23	28° \mathfrak{Q} 11'59	1.35248 AU		-12442 Oct 26 j 13:11	0° \mathfrak{Q}	
	-12443 Nov 19 j 12:07	0° \mathbb{M}		morning set	-12442 Oct 27 j 21:47	2° \mathfrak{Q} 25'24	
				max. Earth dist.	-12442 Oct 31 j 19:36	9° \mathfrak{Q} 35'56	1.36866 AU
superior conj	-12443 Nov 23 j 00:26	7° \mathbb{M} 07'45	-1°32'39	superior conj	-12442 Nov 06 j 17:28	21° \mathfrak{Q} 00'38	-1°37'08

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12442 Nov 06 j 17:35	21°Ω01'10	1°36'38	morning set	-12441 Oct 09 j 14:58	13°Ω50'51	
	-12442 Nov 11 j 04:49	0°♊		max. Earth dist.	-12441 Oct 13 j 19:01	21°Ω06'25	1.38777 AU
evening rise	-12442 Nov 14 j 18:33	7°♊14'38			-12441 Oct 18 j 16:28	0°Ω	
asc. node	-12442 Nov 23 j 08:07	23°♊27'19					
	-12442 Nov 27 j 14:03	0°♊		superior conj	-12441 Oct 20 j 22:17	4°Ω12'26	-1°34'02
evening max el	-12442 Dec 02 j 09:23	5°♊35'55	19°43'21	minimum elong	-12441 Oct 20 j 20:44	4°Ω05'05	1°33'20
retrograde	-12442 Dec 12 j 00:22	10°♊07'59		evening rise	-12441 Oct 29 j 17:38	21°Ω17'55	
evening set	-12442 Dec 14 j 14:03	9°♊50'05			-12441 Nov 03 j 06:13	0°♊	
inferior conj	-12442 Dec 22 j 23:46	5°♊44'21	3°53'43	asc. node	-12441 Nov 10 j 05:29	11°♊47'55	
minimum elong	-12442 Dec 23 j 03:58	5°♊37'39	3°53'04	evening max el	-12441 Nov 15 j 06:24	17°♊56'33	18°51'03
min. Earth dist.	-12442 Dec 25 j 10:15	4°♊11'27	0.56564 AU	retrograde	-12441 Nov 23 j 13:37	21°♊57'02	
morning rise	-12442 Dec 31 j 15:48	1°♊04'03		evening set	-12441 Nov 26 j 01:20	21°♊36'53	
direct	-12441 Jan 05 j 04:23	0°♊18'02		inferior conj	-12441 Dec 03 j 22:29	17°♊13'21	4°16'56
desc. node	-12441 Jan 10 j 13:15	1°♊24'04		minimum elong	-12441 Dec 03 j 22:56	17°♊12'33	4°17'06
morning max el	-12441 Jan 18 j 23:28	7°♊13'27	24°13'37	min. Earth dist.	-12441 Dec 07 j 00:47	14°♊58'34	0.58084 AU
	-12441 Feb 04 j 09:27	0°♊		morning rise	-12441 Dec 11 j 18:37	12°♊09'53	
morning set	-12441 Feb 12 j 21:18	16°♊37'38		direct	-12441 Dec 17 j 14:01	10°♊48'58	
asc. node	-12441 Feb 19 j 05:34	0°♊13'44		desc. node	-12441 Dec 28 j 09:51	15°♊13'59	
	-12441 Feb 19 j 03:01	0°♊		morning max el	-12441 Dec 31 j 14:32	18°♊00'12	25°43'33
					-12440 Jan 10 j 14:33	0°♊	
superior conj	-12441 Feb 19 j 21:56	1°♊42'05	0°06'26		-12440 Jan 27 j 13:56	0°♊	
minimum elong	-12441 Feb 19 j 21:42	1°♊40'46	0°05'44	morning set	-12440 Jan 28 j 09:33	1°♊42'21	
behind sun begin	-12441 Feb 19 j 16:53	1°♊14'49					
behind sun end	-12441 Feb 20 j 02:31	2°♊06'42		superior conj	-12440 Feb 04 j 08:37	16°♊42'42	-0°16'32
max. Earth dist.	-12441 Feb 21 j 14:40	5°♊20'41	1.33412 AU	minimum elong	-12440 Feb 04 j 09:18	16°♊46'27	0°16'57
evening rise	-12441 Feb 27 j 09:57	17°♊25'35		max. Earth dist.	-12440 Feb 05 j 02:08	18°♊18'09	1.32938 AU
	-12441 Mar 05 j 22:51	0°♋		asc. node	-12440 Feb 06 j 02:49	20°♊32'11	
	-12441 Mar 25 j 08:20	0°♋			-12440 Feb 10 j 13:25	0°♋	
evening max el	-12441 Apr 01 j 07:16	7°♋45'53	27°26'46	evening rise	-12440 Feb 11 j 13:49	2°♋06'22	
desc. node	-12441 Apr 08 j 13:48	13°♋24'28			-12440 Feb 26 j 22:18	0°♋	
retrograde	-12441 Apr 15 j 04:11	15°♋20'15		evening max el	-12440 Mar 13 j 12:53	20°♋01'44	27°03'14
evening set	-12441 Apr 22 j 01:27	12°♋55'03		desc. node	-12440 Mar 25 j 10:55	27°♋18'17	
min. Earth dist.	-12441 Apr 25 j 17:58	9°♋47'47	0.62645 AU	retrograde	-12440 Mar 27 j 14:19	27°♋30'22	
inferior conj	-12441 Apr 28 j 14:42	6°♋56'06	-3°23'10	evening set	-12440 Apr 03 j 02:55	25°♋33'47	
minimum elong	-12441 Apr 28 j 14:20	6°♋57'00	3°23'46	min. Earth dist.	-12440 Apr 07 j 01:54	22°♋41'13	0.60725 AU
morning rise	-12441 May 05 j 04:31	1°♋46'12		inferior conj	-12440 Apr 10 j 08:14	19°♋49'43	-3°07'33
direct	-12441 May 07 j 21:31	1°♋11'18		minimum elong	-12440 Apr 10 j 06:07	19°♋54'23	3°08'00
morning max el	-12441 May 14 j 11:07	4°♋33'39	18°02'49	morning rise	-12440 Apr 17 j 11:29	14°♋59'26	
asc. node	-12441 May 18 j 05:16	9°♋01'51		direct	-12440 Apr 20 j 00:04	14°♋33'15	
	-12441 May 30 j 21:32	0°♋		morning max el	-12440 Apr 27 j 00:06	18°♋00'47	18°08'25
morning set	-12441 May 31 j 09:05	0°♋50'59		asc. node	-12440 May 04 j 02:06	27°♋24'37	
					-12440 May 05 j 15:41	0°♋	
superior conj	-12441 Jun 12 j 07:46	21°♋30'49	1°44'42	morning set	-12440 May 13 j 04:17	13°♋30'40	
minimum elong	-12441 Jun 12 j 10:42	21°♋43'09	1°44'28		-12440 May 22 j 05:25	0°♋	
	-12441 Jun 17 j 10:41	0°♋					
max. Earth dist.	-12441 Jun 18 j 15:55	1°♋59'05	1.43109 AU	superior conj	-12440 May 23 j 14:42	2°♋27'28	1°48'47
evening rise	-12441 Jun 27 j 17:40	16°♋25'24		minimum elong	-12440 May 23 j 14:07	2°♋24'57	1°48'25
desc. node	-12441 Jul 05 j 10:33	28°♋16'39		max. Earth dist.	-12440 May 30 j 22:54	15°♋04'51	1.41558 AU
	-12441 Jul 06 j 13:52	0°♌		evening rise	-12440 Jun 06 j 02:32	25°♋10'22	
evening max el	-12441 Jul 27 j 04:29	28°♌05'54	20°56'27		-12440 Jun 09 j 03:18	0°♋	
	-12441 Jul 29 j 05:04	0°♌		desc. node	-12440 Jun 21 j 08:05	18°♋32'23	
retrograde	-12441 Aug 04 j 11:04	2°♌57'04			-12440 Jun 29 j 11:07	0°♌	
evening set	-12441 Aug 08 j 11:05	1°♌26'21		evening max el	-12440 Jul 08 j 22:13	11°♌27'48	22°12'29
	-12441 Aug 10 j 01:22	30°♌		retrograde	-12440 Jul 18 j 06:07	16°♌59'28	
inferior conj	-12441 Aug 13 j 19:23	25°♌19'46	-0°08'39	evening set	-12440 Jul 22 j 19:34	15°♌07'35	
minimum elong	-12441 Aug 13 j 19:33	25°♌19'12	0°07'58	inferior conj	-12440 Jul 28 j 01:11	8°♌55'31	-0°56'45
transit middle	-12441 Aug 13 j 19:33	25°♌19'12	0°07'58	minimum elong	-12440 Jul 28 j 02:19	8°♌51'36	0°55'51
transit begin	-12441 Aug 13 j 17:10	25°♌27'18		min. Earth dist.	-12440 Jul 28 j 04:25	8°♌44'17	0.67200 AU
transit end	-12441 Aug 13 j 21:56	25°♌11'05		asc. node	-12440 Jul 31 j 03:20	4°♌52'02	
asc. node	-12441 Aug 14 j 06:29	24°♌41'59		morning rise	-12440 Aug 02 j 08:59	2°♌36'32	
min. Earth dist.	-12441 Aug 14 j 09:14	24°♌32'37	0.66891 AU	direct	-12440 Aug 07 j 00:02	0°♌43'20	
morning rise	-12441 Aug 19 j 03:50	18°♌58'31		morning max el	-12440 Aug 16 j 19:15	6°♌37'11	22°40'27
direct	-12441 Aug 24 j 08:34	16°♌47'04			-12440 Sep 03 j 17:07	0°♌	
morning max el	-12441 Sep 04 j 07:22	23°♌21'04	24°04'17	desc. node	-12440 Sep 17 j 05:15	20°♌42'11	
	-12441 Sep 10 j 04:12	0°♌		morning set	-12440 Sep 19 j 06:21	24°♌00'23	
desc. node	-12441 Oct 01 j 08:14	0°♌14'00			-12440 Sep 22 j 21:38	0°♌	
	-12441 Oct 01 j 04:42	0°♌		max. Earth dist.	-12440 Sep 24 j 19:27	3°♌12'41	1.40747 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

superior conj	-12440 Oct 02 j 09:56	16°☿29'35	-1°21'12	desc. node	-12439 Sep 04 j 02:21	11°♄18'06	
minimum elong	-12440 Oct 02 j 06:37	16°☿14'41	1°20'12	max. Earth dist.	-12439 Sep 07 j 00:49	16°♄04'09	1.42506 AU
	-12440 Oct 09 j 17:51	0°♌					
evening rise	-12440 Oct 12 j 07:46	4°♌51'14		superior conj	-12439 Sep 13 j 22:36	27°♄36'27	-0°56'37
asc. node	-12440 Oct 27 j 02:46	29°♌17'23		minimum elong	-12439 Sep 13 j 18:33	27°♄19'10	0°55'24
	-12440 Oct 27 j 18:12	0°♍			-12439 Sep 15 j 08:07	0°☿	
evening max el	-12440 Oct 28 j 11:43	0°♍44'55	18°19'06	evening rise	-12439 Sep 25 j 09:09	17°☿44'44	
retrograde	-12440 Nov 04 j 20:44	4°♍26'26			-12439 Oct 02 j 06:46	0°♌	
evening set	-12440 Nov 07 j 07:55	4°♍02'41		evening max el	-12439 Oct 11 j 22:38	13°♌53'16	18°07'05
	-12440 Nov 13 j 20:14	30°♍♌		asc. node	-12439 Oct 14 j 00:01	15°♌40'32	
inferior conj	-12440 Nov 14 j 16:27	29°♌17'43	4°07'44	retrograde	-12439 Oct 18 j 18:30	17°♌26'32	
minimum elong	-12440 Nov 14 j 13:55	29°♌23'03	4°07'53	evening set	-12439 Oct 21 j 07:07	16°♌57'23	
min. Earth dist.	-12440 Nov 17 j 20:12	26°♌38'56	0.59888 AU	inferior conj	-12439 Oct 28 j 03:42	11°♌51'39	3°37'05
morning rise	-12440 Nov 21 j 18:22	23°♌53'11		minimum elong	-12439 Oct 27 j 23:56	12°♌00'43	3°36'55
direct	-12440 Nov 28 j 10:27	21°♌55'43		min. Earth dist.	-12439 Oct 30 j 23:51	9°♌08'26	0.61706 AU
morning max el	-12440 Dec 12 j 10:37	29°♌16'16	26°51'53	morning rise	-12439 Nov 03 j 15:30	6°♌09'00	
	-12440 Dec 13 j 04:33	0°♍		direct	-12439 Nov 10 j 16:18	3°♌43'13	
desc. node	-12440 Dec 14 j 06:27	1°♍06'06		morning max el	-12439 Nov 24 j 13:10	11°♌11'12	27°28'38
	-12439 Jan 03 j 06:29	0°♌		desc. node	-12439 Dec 01 j 03:01	18°♌27'34	
morning set	-12439 Jan 11 j 19:46	16°♌40'45			-12439 Dec 09 j 11:43	0°♍	
	-12439 Jan 18 j 00:54	0°♍			-12439 Dec 26 j 09:13	0°♌	
				morning set	-12439 Dec 27 j 01:57	1°♌25'16	
superior conj	-12439 Jan 18 j 20:27	1°♍46'50	-0°38'07	max. Earth dist.	-12438 Jan 02 j 03:26	14°♌14'10	1.32967 AU
minimum elong	-12439 Jan 18 j 21:53	1°♍54'38	0°38'16				
max. Earth dist.	-12439 Jan 18 j 15:38	1°♍20'30	1.32786 AU	superior conj	-12438 Jan 03 j 07:50	16°♌48'12	-0°57'40
asc. node	-12439 Jan 23 j 00:06	10°♍48'39		minimum elong	-12438 Jan 03 j 09:44	16°♌58'32	0°57'35
evening rise	-12439 Jan 25 j 21:59	16°♍59'14			-12438 Jan 09 j 10:19	0°♍	
	-12439 Feb 01 j 11:26	0°♎		asc. node	-12438 Jan 09 j 21:27	0°♍58'54	
	-12439 Feb 21 j 21:01	0°♏		evening rise	-12438 Jan 10 j 08:32	1°♍57'15	
evening max el	-12439 Feb 23 j 12:51	1°♏39'25	26°08'10		-12438 Jan 25 j 20:23	0°♎	
retrograde	-12439 Mar 09 j 15:31	8°♏57'51		evening max el	-12438 Feb 05 j 07:49	12°♎45'48	24°48'33
desc. node	-12439 Mar 12 j 07:58	8°♏39'48		retrograde	-12438 Feb 19 j 05:51	19°♎44'59	
evening set	-12439 Mar 15 j 09:47	7°♏35'34		evening set	-12438 Feb 23 j 22:58	18°♎54'09	
min. Earth dist.	-12439 Mar 20 j 02:09	4°♏43'13	0.58750 AU	desc. node	-12438 Feb 27 j 04:53	17°♎25'40	
inferior conj	-12439 Mar 23 j 08:59	2°♏13'44	-2°27'42	min. Earth dist.	-12438 Mar 01 j 21:26	15°♎48'54	0.57015 AU
minimum elong	-12439 Mar 23 j 05:36	2°♏20'12	2°27'45	inferior conj	-12438 Mar 04 j 14:22	14°♎01'44	-1°18'59
	-12439 Mar 26 j 11:00	30°♎♎		minimum elong	-12438 Mar 04 j 11:38	14°♎06'17	1°18'57
morning rise	-12439 Mar 31 j 04:31	27°♎43'31		morning rise	-12438 Mar 13 j 03:31	9°♎48'36	
direct	-12439 Apr 02 j 12:36	27°♎24'40		direct	-12438 Mar 15 j 07:36	9°♎35'01	
	-12439 Apr 09 j 00:45	0°♏		morning max el	-12438 Mar 24 j 11:56	13°♎55'56	19°17'34
morning max el	-12439 Apr 10 j 09:23	1°♏11'18	18°33'13		-12438 Apr 04 j 17:09	0°♏	
asc. node	-12439 Apr 20 j 22:57	16°♏23'49		asc. node	-12438 Apr 07 j 19:51	5°♏51'04	
morning set	-12439 Apr 26 j 14:12	26°♏56'44		morning set	-12438 Apr 10 j 10:49	10°♏59'23	
	-12439 Apr 28 j 04:22	0°♐					
				superior conj	-12438 Apr 18 j 21:21	27°♏40'55	1°25'56
superior conj	-12439 May 05 j 21:02	14°♐35'44	1°41'13	minimum elong	-12438 Apr 18 j 18:16	27°♏26'00	1°24'56
minimum elong	-12439 May 05 j 18:29	14°♐23'56	1°40'31		-12438 Apr 20 j 02:09	0°♐	
max. Earth dist.	-12439 May 13 j 00:25	27°♐27'17	1.39725 AU	max. Earth dist.	-12438 Apr 25 j 00:32	9°♐16'24	1.37870 AU
	-12439 May 14 j 11:37	0°♑		evening rise	-12438 Apr 29 j 00:56	16°♐29'59	
evening rise	-12439 May 17 j 12:07	5°♑08'28			-12438 May 07 j 00:22	0°♑	
	-12439 Jun 02 j 07:05	0°♒		desc. node	-12438 May 26 j 03:09	28°♑01'47	
desc. node	-12439 Jun 08 j 05:37	8°♒29'58			-12438 May 27 j 16:26	0°♒	
evening max el	-12439 Jun 21 j 10:20	24°♒46'53	23°34'30	evening max el	-12438 Jun 03 j 20:01	8°♒07'25	24°55'16
	-12439 Jun 28 j 01:52	0°♓		retrograde	-12438 Jun 15 j 11:10	14°♒59'06	
retrograde	-12439 Jul 01 j 22:28	1°♓01'25		evening set	-12438 Jun 21 j 05:35	12°♒27'52	
	-12439 Jul 05 j 11:22	30°♒♒		min. Earth dist.	-12438 Jun 25 j 17:12	7°♒16'22	0.66881 AU
evening set	-12439 Jul 07 j 02:22	28°♒48'25		inferior conj	-12438 Jun 26 j 12:32	6°♒11'45	-2°18'49
inferior conj	-12439 Jul 12 j 07:28	22°♒33'10	-1°40'34	minimum elong	-12438 Jun 26 j 14:44	6°♒04'21	2°18'08
minimum elong	-12439 Jul 12 j 09:18	22°♒26'51	1°39'40	morning rise	-12438 Jul 01 j 23:53	0°♒07'29	
min. Earth dist.	-12439 Jul 11 j 23:50	22°♒59'26	0.67205 AU		-12438 Jul 02 j 04:11	30°♒♒	
morning rise	-12439 Jul 17 j 16:12	16°♒19'57		asc. node	-12438 Jul 04 j 20:51	28°♒52'23	
asc. node	-12439 Jul 18 j 00:07	16°♒05'10		direct	-12438 Jul 05 j 16:24	28°♒48'38	
direct	-12439 Jul 21 j 19:03	14°♒44'40			-12438 Jul 09 j 10:01	0°♒	
morning max el	-12439 Jul 30 j 11:39	19°♒56'17	21°20'12	morning max el	-12438 Jul 13 j 10:13	3°♒21'11	20°09'32
	-12439 Aug 07 j 16:43	0°♓			-12438 Aug 01 j 13:43	0°♓	
	-12439 Aug 27 j 23:01	0°♔		morning set	-12438 Aug 09 j 00:37	11°♓30'48	
morning set	-12439 Aug 29 j 21:23	3°♔01'15		max. Earth dist.	-12438 Aug 20 j 11:52	29°♓35'12	1.43815 AU

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12438 Aug 20 j 18:04	0° II	morning max el	-12437 Jun 26 j 15:04	16° ⸥ 52'09	19°12'34
desc. node	-12438 Aug 21 j 23:35	1° II 58'27		-12437 Jul 06 j 11:26	0° Y	
			morning set	-12437 Jul 19 j 11:54	20° Y 23'39	
superior conj	-12438 Aug 25 j 07:59	7° II 23'49 -0°19'57		-12437 Jul 25 j 13:39	0° 8	
minimum elong	-12438 Aug 25 j 05:59	7° II 15'39 0°18'59	max. Earth dist.	-12437 Aug 03 j 03:19	13° 8 32'53	1.44501 AU
evening rise	-12438 Sep 07 j 16:56	29° II 47'00				
	-12438 Sep 07 j 19:58	0° ☾	superior conj	-12437 Aug 04 j 16:52	16° 8 01'46	0°24'32
evening max el	-12438 Sep 25 j 12:12	27° ☾ 15'04 18°13'59	minimum elong	-12437 Aug 04 j 19:50	16° 8 13'31	0°24'42
	-12438 Sep 29 j 00:38	0° Ω	desc. node	-12437 Aug 08 j 20:57	22° 8 40'01	
asc. node	-12438 Sep 30 j 21:11	0° Ω 41'16		-12437 Aug 13 j 10:41	0° II	
retrograde	-12438 Oct 02 j 02:57	0° Ω 49'17	evening rise	-12437 Aug 20 j 01:25	10° II 43'58	
evening set	-12438 Oct 04 j 19:17	0° Ω 12'15		-12437 Sep 01 j 00:11	0° ☾	
	-12438 Oct 05 j 05:21	30° ⸔ ☾	evening max el	-12437 Sep 09 j 01:29	10° ☾ 44'29	18°38'46
inferior conj	-12438 Oct 11 j 04:59	24° ☾ 47'55 2°53'57	retrograde	-12437 Sep 15 j 18:25	14° ☾ 28'33	
minimum elong	-12438 Oct 11 j 01:19	24° ☾ 57'47 2°53'37	asc. node	-12437 Sep 17 j 18:16	14° ☾ 06'18	
min. Earth dist.	-12438 Oct 13 j 13:17	22° ☾ 16'42 0.63357 AU	evening set	-12437 Sep 18 j 16:48	13° ☾ 40'36	
morning rise	-12438 Oct 17 j 06:27	18° ☾ 50'23	inferior conj	-12437 Sep 24 j 17:04	8° ☾ 00'25	2°04'25
direct	-12438 Oct 24 j 06:03	16° ☾ 09'31	minimum elong	-12437 Sep 24 j 14:15	8° ☾ 08'45	2°04'13
morning max el	-12438 Nov 06 j 20:32	23° ☾ 41'30 27°30'42	min. Earth dist.	-12437 Sep 26 j 12:31	5° ☾ 52'12	0.64734 AU
	-12438 Nov 12 j 15:14	0° Ω	morning rise	-12437 Sep 30 j 11:07	1° ☾ 51'24	
desc. node	-12438 Nov 17 j 23:36	6° Ω 53'02		-12437 Oct 03 j 07:52	30° ⸔ II	
	-12438 Dec 02 j 16:38	0° ⸔	direct	-12437 Oct 07 j 02:23	29° II 08'30	
morning set	-12438 Dec 11 j 01:40	15° ⸔ 46'54		-12437 Oct 11 j 03:24	0° ☾	
max. Earth dist.	-12438 Dec 16 j 09:46	26° ⸔ 46'11 1.33524 AU	morning max el	-12437 Oct 20 j 06:24	6° ☾ 38'08	27°00'48
	-12438 Dec 17 j 22:15	0° Ω	desc. node	-12437 Nov 04 j 20:17	26° ☾ 04'26	
				-12437 Nov 07 j 11:27	0° Ω	
superior conj	-12438 Dec 18 j 16:59	1° Ω 40'09 -1°14'23	morning set	-12437 Nov 24 j 15:54	29° Ω 36'17	
minimum elong	-12438 Dec 18 j 19:00	1° Ω 50'57 1°14'09		-12437 Nov 24 j 20:48	0° ⸔	
evening rise	-12438 Dec 25 j 19:45	16° Ω 53'47	max. Earth dist.	-12437 Nov 29 j 07:33	8° ⸔ 49'45	1.34497 AU
asc. node	-12438 Dec 27 j 18:50	20° Ω 57'43				
	-12437 Jan 01 j 09:39	0° ⸔	superior conj	-12437 Dec 02 j 21:57	16° ⸔ 16'05	-1°27'21
evening max el	-12437 Jan 18 j 01:10	23° ⸔ 37'57 23°15'54	minimum elong	-12437 Dec 02 j 23:38	16° ⸔ 24'58	1°27'01
	-12437 Jan 29 j 23:22	0° ⸔		-12437 Dec 09 j 10:12	0° Ω	
retrograde	-12437 Jan 31 j 07:21	0° ⸔ 04'00	evening rise	-12437 Dec 10 j 06:04	1° Ω 43'37	
	-12437 Feb 01 j 15:32	30° ⸔ ⸔	asc. node	-12437 Dec 14 j 16:15	10° Ω 39'33	
evening set	-12437 Feb 04 j 00:04	29° ⸔ 34'09		-12437 Dec 26 j 15:33	0° ⸔	
min. Earth dist.	-12437 Feb 11 j 13:46	26° ⸔ 04'40 0.55842 AU	evening max el	-12437 Dec 30 j 22:01	4° ⸔ 38'47	21°43'27
inferior conj	-12437 Feb 13 j 01:00	25° ⸔ 12'25 0°15'42	retrograde	-12436 Jan 11 j 23:02	10° ⸔ 20'41	
minimum elong	-12437 Feb 13 j 01:38	25° ⸔ 11'29 0°14'53	evening set	-12436 Jan 14 j 23:15	10° ⸔ 00'24	
transit middle	-12437 Feb 13 j 01:38	25° ⸔ 11'29 0°14'53	inferior conj	-12436 Jan 23 j 23:49	5° ⸔ 58'13	1°58'42
transit begin	-12437 Feb 13 j 00:17	25° ⸔ 13'29	minimum elong	-12436 Jan 24 j 04:32	5° ⸔ 51'30	1°56'54
transit end	-12437 Feb 13 j 02:59	25° ⸔ 09'28	min. Earth dist.	-12436 Jan 24 j 04:02	5° ⸔ 52'13	0.55465 AU
desc. node	-12437 Feb 14 j 01:42	24° ⸔ 35'58	desc. node	-12436 Jan 31 j 22:24	2° ⸔ 11'49	
morning rise	-12437 Feb 22 j 05:06	21° ⸔ 08'21	morning rise	-12436 Feb 02 j 09:40	1° ⸔ 50'03	
direct	-12437 Feb 24 j 09:43	20° ⸔ 56'27	direct	-12436 Feb 05 j 01:52	1° ⸔ 33'58	
morning max el	-12437 Mar 07 j 04:46	26° ⸔ 04'19 20°21'32	morning max el	-12436 Feb 17 j 10:12	7° ⸔ 31'55	21°43'30
	-12437 Mar 10 j 18:40	0° ⸔		-12436 Mar 03 j 19:56	0° ⸔	
morning set	-12437 Mar 25 j 14:54	25° ⸔ 29'01	morning set	-12436 Mar 08 j 23:53	10° ⸔ 17'56	
asc. node	-12437 Mar 25 j 16:51	25° ⸔ 38'56	asc. node	-12436 Mar 11 j 13:58	15° ⸔ 41'50	
	-12437 Mar 27 j 19:58	0° ☾				
			superior conj	-12436 Mar 16 j 09:25	25° ⸔ 47'41	0°43'28
superior conj	-12437 Apr 02 j 10:43	11° ☾ 28'29 1°05'57	minimum elong	-12436 Mar 16 j 07:34	25° ⸔ 38'04	0°42'23
minimum elong	-12437 Apr 02 j 08:02	11° ☾ 14'54 1°04'49		-12436 Mar 18 j 10:12	0° ☾	
max. Earth dist.	-12437 Apr 07 j 05:56	20° ☾ 58'20 1.36205 AU	max. Earth dist.	-12436 Mar 19 j 21:03	2° ☾ 57'44	1.34848 AU
evening rise	-12437 Apr 11 j 12:11	29° ☾ 01'17	evening rise	-12436 Mar 24 j 16:09	12° ☾ 25'51	
	-12437 Apr 12 j 00:57	0° ≈		-12436 Apr 03 j 09:58	0° ≈	
	-12437 Apr 30 j 05:44	0° ⸔		-12436 Apr 24 j 06:06	0° ⸔	
desc. node	-12437 May 13 j 00:38	16° ⸔ 56'32	evening max el	-12436 Apr 28 j 16:52	4° ⸔ 46'40	26°58'43
evening max el	-12437 May 17 j 06:00	21° ⸔ 29'19 26°06'15	desc. node	-12436 Apr 28 j 22:01	4° ⸔ 59'15	
retrograde	-12437 May 29 j 19:19	28° ⸔ 46'30	retrograde	-12436 May 11 j 22:17	12° ⸔ 17'22	
evening set	-12437 Jun 05 j 03:00	26° ⸔ 03'05	evening set	-12436 May 18 j 16:08	9° ⸔ 31'04	
min. Earth dist.	-12437 Jun 09 j 06:06	21° ⸔ 30'51 0.66194 AU	min. Earth dist.	-12436 May 22 j 12:21	5° ⸔ 37'06	0.65117 AU
inferior conj	-12437 Jun 10 j 14:25	19° ⸔ 48'21 -2°50'05	inferior conj	-12436 May 24 j 10:57	3° ⸔ 20'03	-3°12'33
minimum elong	-12437 Jun 10 j 16:35	19° ⸔ 41'26 2°49'48	minimum elong	-12436 May 24 j 12:35	3° ⸔ 15'13	3°12'43
morning rise	-12437 Jun 16 j 06:15	13° ⸔ 56'10		-12436 May 27 j 11:21	30° ⸔ ≈	
direct	-12437 Jun 19 j 14:20	12° ⸔ 51'50	morning rise	-12436 May 30 j 09:23	27° ≈ 42'44	
asc. node	-12437 Jun 21 j 17:34	13° ⸔ 16'50	direct	-12436 Jun 02 j 10:42	26° ≈ 51'07	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

asc. node	-12436 Jun 07 j 14:19	29°≈07'40			-12435 Jun 03 j 16:20	0°✠	
	-12436 Jun 08 j 13:38	0°✠		morning set	-12435 Jun 10 j 07:36	11°✠20'57	
morning max el	-12436 Jun 09 j 01:07	0°✠28'17	18°31'39		-12435 Jun 21 j 08:28	0°♀	
morning set	-12436 Jun 28 j 21:08	0°♀17'08					
	-12436 Jun 28 j 16:58	0°♀		superior conj	-12435 Jun 23 j 06:51	3°♀10'48	1°35'32
				minimum elong	-12435 Jun 23 j 11:57	3°♀31'38	1°35'14
superior conj	-12436 Jul 13 j 17:04	24°♀15'47	1°06'31	max. Earth dist.	-12435 Jun 28 j 11:01	11°♀33'57	1.43784 AU
minimum elong	-12436 Jul 13 j 23:34	24°♀41'40	1°06'10	evening rise	-12435 Jul 09 j 12:30	29°♀00'41	
max. Earth dist.	-12436 Jul 15 j 20:16	27°♀39'09	1.44487 AU		-12435 Jul 10 j 03:47	0°♄	
	-12436 Jul 17 j 07:50	0°♄		desc. node	-12435 Jul 12 j 15:55	3°♄52'28	
desc. node	-12436 Jul 25 j 18:25	13°♄19'05			-12435 Jul 30 j 07:11	0°♂	
evening rise	-12436 Jul 30 j 06:30	20°♄24'36		evening max el	-12435 Aug 05 j 16:08	7°♂43'39	20°17'24
	-12436 Aug 05 j 08:57	0°♂		retrograde	-12435 Aug 13 j 10:37	12°♂15'07	
evening max el	-12436 Aug 22 j 11:36	24°♂15'14	19°20'22	evening set	-12435 Aug 17 j 03:40	10°♂55'39	
retrograde	-12436 Aug 29 j 13:49	28°♂18'16		asc. node	-12435 Aug 21 j 12:16	6°♂19'30	
evening set	-12436 Sep 01 j 20:28	27°♂16'10		inferior conj	-12435 Aug 22 j 14:24	4°♂53'03	0°20'26
asc. node	-12436 Sep 03 j 15:19	25°♂51'58		minimum elong	-12435 Aug 22 j 13:56	4°♂54'37	0°20'56
inferior conj	-12436 Sep 07 j 13:00	21°♂23'13	1°12'21	min. Earth dist.	-12435 Aug 23 j 10:22	3°♂46'19	0.66578 AU
minimum elong	-12436 Sep 07 j 11:21	21°♂28'29	1°12'29		-12435 Aug 26 j 11:53	30°♄♄	
min. Earth dist.	-12436 Sep 08 j 20:13	19°♂44'07	0.65806 AU	morning rise	-12435 Aug 27 j 23:58	28°♄32'01	
morning rise	-12436 Sep 13 j 01:53	15°♂06'13		direct	-12435 Sep 02 j 12:42	26°♄11'01	
direct	-12436 Sep 19 j 04:43	12°♂31'13			-12435 Sep 10 j 18:16	0°♂	
morning max el	-12436 Oct 01 j 16:47	19°♂49'06	26°04'57	morning max el	-12435 Sep 14 j 02:45	3°♂05'01	24°51'13
	-12436 Oct 10 j 12:22	0°♄			-12435 Oct 04 j 17:52	0°♄	
desc. node	-12436 Oct 21 j 17:03	15°♄47'44		desc. node	-12435 Oct 08 j 13:56	5°♄53'43	
	-12436 Oct 30 j 12:52	0°♂		morning set	-12435 Oct 19 j 22:48	24°♄46'02	
morning set	-12436 Nov 06 j 16:35	12°♂40'22			-12435 Oct 22 j 21:10	0°♂	
max. Earth dist.	-12436 Nov 10 j 18:50	20°♂25'03	1.35895 AU	max. Earth dist.	-12435 Oct 23 j 21:02	1°♂48'42	1.37658 AU
superior conj	-12436 Nov 15 j 20:10	0°♄26'52	-1°35'22	superior conj	-12435 Oct 30 j 08:27	14°♂03'15	-1°36'52
minimum elong	-12436 Nov 15 j 21:01	0°♄31'12	1°34'57	minimum elong	-12435 Oct 30 j 07:55	14°♂00'35	1°36'19
	-12436 Nov 15 j 14:52	0°♄			-12435 Nov 07 j 09:05	0°♄	
evening rise	-12436 Nov 23 j 13:38	16°♄19'53		evening rise	-12435 Nov 07 j 16:30	0°♄36'58	
asc. node	-12436 Nov 30 j 13:39	29°♄56'43		asc. node	-12435 Nov 17 j 11:01	18°♄40'54	
	-12436 Nov 30 j 14:23	0°♂		evening max el	-12435 Nov 24 j 18:03	28°♄06'42	19°18'33
evening max el	-12436 Dec 12 j 02:53	16°♂05'33	20°22'11		-12435 Nov 27 j 00:24	0°♂	
retrograde	-12436 Dec 22 j 15:08	21°♂01'40		retrograde	-12435 Dec 03 j 18:47	2°♂24'13	
evening set	-12436 Dec 25 j 07:05	20°♂43'59		evening set	-12435 Dec 06 j 07:12	2°♂05'41	
inferior conj	-12435 Jan 02 j 23:19	16°♂43'29	3°22'24		-12435 Dec 11 j 04:21	30°♄♄	
minimum elong	-12435 Jan 03 j 04:54	16°♂35'05	3°21'02	inferior conj	-12435 Dec 14 j 11:38	27°♄53'05	4°08'13
min. Earth dist.	-12435 Jan 04 j 17:08	15°♂40'51	0.55943 AU	minimum elong	-12435 Dec 14 j 14:17	27°♄48'36	4°08'02
morning rise	-12435 Jan 12 j 01:07	12°♂17'05		min. Earth dist.	-12435 Dec 17 j 06:45	26°♄00'23	0.57154 AU
direct	-12435 Jan 15 j 18:45	11°♂46'23		morning rise	-12435 Dec 22 j 19:16	23°♄02'20	
desc. node	-12435 Jan 17 j 19:04	11°♂55'35		direct	-12435 Dec 27 j 21:28	22°♄02'36	
morning max el	-12435 Jan 29 j 05:38	18°♂25'13	23°18'00	desc. node	-12434 Jan 04 j 15:42	24°♄19'56	
	-12435 Feb 07 j 15:19	0°♄		morning max el	-12434 Jan 10 j 20:27	29°♄06'38	24°53'45
morning set	-12435 Feb 21 j 11:35	25°♄18'17			-12434 Jan 11 j 18:13	0°♂	
	-12435 Feb 23 j 16:56	0°♄			-12434 Jan 31 j 20:53	0°♄	
asc. node	-12435 Feb 26 j 11:10	5°♄54'19		morning set	-12434 Feb 06 j 00:05	10°♄23'08	
superior conj	-12435 Feb 28 j 14:30	10°♄28'57	0°19'58	superior conj	-12434 Feb 12 j 23:39	25°♄24'28	-0°03'27
minimum elong	-12435 Feb 28 j 13:40	10°♄24'31	0°19'06	minimum elong	-12434 Feb 12 j 23:50	25°♄25'23	0°04'02
max. Earth dist.	-12435 Mar 02 j 21:58	15°♄22'50	1.33832 AU	behind sun begin	-12434 Feb 12 j 18:54	24°♄58'40	
evening rise	-12435 Mar 08 j 08:04	26°♄28'40		behind sun end	-12434 Feb 13 j 04:45	25°♄52'05	
	-12435 Mar 10 j 03:11	0°♄		asc. node	-12434 Feb 13 j 08:25	26°♄11'53	
	-12435 Mar 27 j 18:42	0°≈		max. Earth dist.	-12434 Feb 14 j 06:18	28°♄10'06	1.33162 AU
evening max el	-12435 Apr 11 j 03:17	17°≈48'30	27°25'19		-12434 Feb 15 j 02:44	0°♄	
desc. node	-12435 Apr 15 j 19:17	21°≈48'54		evening rise	-12434 Feb 20 j 08:21	10°♄58'08	
retrograde	-12435 Apr 24 j 19:38	25°≈23'56			-12434 Mar 02 j 10:20	0°♄	
evening set	-12435 May 01 j 18:01	22°≈46'55			-12434 Mar 24 j 01:37	0°≈	
min. Earth dist.	-12435 May 05 j 10:18	19°≈25'45	0.63645 AU	evening max el	-12434 Mar 24 j 11:07	0°≈23'13	27°20'50
inferior conj	-12435 May 07 j 23:32	16°≈42'28	-3°23'33	desc. node	-12434 Apr 02 j 16:29	6°≈56'28	
minimum elong	-12435 May 08 j 00:04	16°≈41'03	3°24'04	retrograde	-12434 Apr 07 j 10:33	7°≈56'41	
morning rise	-12435 May 14 j 06:59	11°≈22'18		evening set	-12434 Apr 14 j 05:19	5°≈42'10	
direct	-12435 May 17 j 02:46	10°≈41'48		min. Earth dist.	-12434 Apr 17 j 23:15	2°≈43'06	0.61841 AU
morning max el	-12435 May 23 j 14:21	14°≈06'14	18°08'11		-12434 Apr 20 j 20:12	30°♄♄	
asc. node	-12435 May 25 j 11:07	16°≈09'20		inferior conj	-12434 Apr 21 j 01:00	29°♄48'33	-3°19'09

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12434 Apr 20 j 23:54	29° Z 51'10	3°19'45	direct	-12433 Apr 13 j 08:12	7° Z 26'25	
morning rise	-12434 Apr 27 j 20:12	24° Z 47'12		morning max el	-12433 Apr 20 j 15:58	11° Z 00'45	18°16'34
direct	-12434 Apr 30 j 11:12	24° Z 16'19		asc. node	-12433 Apr 29 j 04:44	22° Z 45'42	
morning max el	-12434 May 07 j 04:13	27° Z 39'26	18°02'57		-12433 May 03 j 06:34	0° \approx	
	-12434 May 09 j 07:21	0° \approx		morning set	-12433 May 06 j 18:13	6° \approx 29'12	
asc. node	-12434 May 12 j 07:54	4° \approx 06'05					
morning set	-12434 May 23 j 16:12	23° \approx 28'23		superior conj	-12433 May 16 j 15:54	24° \approx 50'19	1°46'45
	-12434 May 27 j 07:27	0° X		minimum elong	-12433 May 16 j 14:18	24° \approx 43'02	1°46'15
					-12433 May 19 j 13:22	0° X	
superior conj	-12434 Jun 03 j 22:24	13° X 21'38	1°48'08	max. Earth dist.	-12433 May 24 j 00:43	7° X 45'11	1.40799 AU
minimum elong	-12434 Jun 03 j 23:42	13° X 27'15	1°47'52	evening rise	-12433 May 29 j 07:50	16° X 35'30	
max. Earth dist.	-12434 Jun 10 j 20:40	24° X 59'14	1.42493 AU		-12433 Jun 06 j 18:36	0° Y	
	-12434 Jun 13 j 22:32	0° Y		desc. node	-12433 Jun 16 j 10:57	14° Y 24'38	
evening rise	-12434 Jun 18 j 13:31	7° Y 22'32			-12433 Jun 28 j 03:54	0° Z	
desc. node	-12434 Jun 29 j 13:26	24° Y 15'55		evening max el	-12433 Jul 02 j 04:53	4° Z 28'25	22°47'02
	-12434 Jul 03 j 10:28	0° Z		retrograde	-12433 Jul 12 j 00:47	10° Z 18'22	
evening max el	-12434 Jul 19 j 13:45	21° Z 07'40	21°27'37	evening set	-12433 Jul 16 j 20:12	8° Z 17'37	
retrograde	-12434 Jul 28 j 06:47	26° Z 15'53		inferior conj	-12433 Jul 22 j 01:21	2° Z 04'04	-1°15'55
evening set	-12434 Aug 01 j 12:13	24° Z 36'30		minimum elong	-12433 Jul 22 j 02:49	1° Z 58'59	1°15'00
inferior conj	-12434 Aug 06 j 19:07	18° Z 27'07	-0°29'29	min. Earth dist.	-12433 Jul 22 j 00:08	2° Z 08'18	0.67245 AU
minimum elong	-12434 Aug 06 j 19:43	18° Z 25'03	0°28'42		-12433 Jul 23 j 13:42	30° R Y	
min. Earth dist.	-12434 Aug 07 j 04:29	17° Z 54'55	0.67059 AU	asc. node	-12433 Jul 26 j 05:58	26° Y 49'11	
asc. node	-12434 Aug 08 j 09:09	16° Z 17'47		morning rise	-12433 Jul 27 j 09:20	25° Y 46'56	
morning rise	-12434 Aug 12 j 03:05	12° Z 06'05		direct	-12433 Jul 31 j 19:04	24° Y 01'13	
direct	-12434 Aug 17 j 01:48	10° Z 02'17		morning max el	-12433 Aug 10 j 02:31	29° Y 37'00	22°05'20
morning max el	-12434 Aug 27 j 13:10	16° Z 20'33	23°28'29		-12433 Aug 10 j 11:23	0° Z	
	-12434 Sep 07 j 17:57	0° II			-12433 Sep 01 j 13:27	0° II	
desc. node	-12434 Sep 25 j 10:54	26° II 15'15		morning set	-12433 Sep 11 j 09:34	15° II 17'29	
	-12434 Sep 27 j 18:47	0° O		desc. node	-12433 Sep 12 j 07:57	16° II 47'10	
morning set	-12434 Oct 01 j 05:20	5° O 39'52		max. Earth dist.	-12433 Sep 17 j 21:29	25° II 53'40	1.41541 AU
max. Earth dist.	-12434 Oct 05 j 19:36	13° O 29'36	1.39622 AU		-12433 Sep 20 j 08:06	0° O	
superior conj	-12434 Oct 13 j 06:36	26° O 53'22	-1°29'54	superior conj	-12433 Sep 25 j 09:14	8° O 42'52	-1°12'18
minimum elong	-12434 Oct 13 j 04:15	26° O 42'33	1°29'06	minimum elong	-12433 Sep 25 j 05:22	8° O 25'57	1°11'10
	-12434 Oct 14 j 22:36	0° Q		evening rise	-12433 Oct 05 j 21:20	27° O 45'41	
evening rise	-12434 Oct 22 j 12:08	14° Q 28'11			-12433 Oct 07 j 02:26	0° Q	
	-12434 Oct 30 j 22:30	0° R		evening max el	-12433 Oct 22 j 03:05	23° Q 38'42	18°11'38
asc. node	-12434 Nov 04 j 08:20	6° R 41'30		asc. node	-12433 Oct 22 j 05:37	23° Q 44'55	
evening max el	-12434 Nov 07 j 18:56	10° R 40'23	18°35'01	retrograde	-12433 Oct 29 j 05:13	27° Q 15'02	
retrograde	-12434 Nov 15 j 15:35	14° R 31'10		evening set	-12433 Oct 31 j 16:54	26° Q 49'08	
evening set	-12434 Nov 18 j 02:49	14° R 09'46		inferior conj	-12433 Nov 07 j 20:15	21° Q 55'14	3°56'45
inferior conj	-12434 Nov 25 j 18:36	9° R 37'39	4°16'20	minimum elong	-12433 Nov 07 j 16:59	22° Q 02'31	3°56'45
minimum elong	-12434 Nov 25 j 17:35	9° R 39'39	4°16'34	min. Earth dist.	-12433 Nov 10 j 21:39	19° Q 12'20	0.60677 AU
min. Earth dist.	-12434 Nov 28 j 23:13	7° R 09'50	0.58832 AU	morning rise	-12433 Nov 14 j 15:41	16° Q 23'00	
morning rise	-12434 Dec 03 j 06:29	4° R 24'43		direct	-12433 Nov 21 j 13:08	14° Q 11'52	
direct	-12434 Dec 09 j 12:17	2° R 47'23		morning max el	-12433 Dec 05 j 11:46	21° Q 35'18	27°11'42
desc. node	-12434 Dec 22 j 12:18	9° R 06'06		desc. node	-12433 Dec 09 j 08:53	25° Q 39'46	
morning max el	-12434 Dec 23 j 13:10	10° R 03'52	26°15'59		-12433 Dec 12 j 23:00	0° R	
	-12433 Jan 07 j 20:38	0° U			-12433 Dec 31 j 16:10	0° U	
morning set	-12433 Jan 21 j 11:40	25° U 26'12		morning set	-12432 Jan 05 j 20:24	10° U 19'26	
	-12433 Jan 23 j 15:22	0° M					
				superior conj	-12432 Jan 12 j 22:52	25° U 31'35	-0°46'43
superior conj	-12433 Jan 28 j 11:02	10° M 27'50	-0°25'54	minimum elong	-12432 Jan 13 j 00:32	25° U 40'41	0°46'45
minimum elong	-12433 Jan 28 j 12:04	10° M 33'28	0°26'11	max. Earth dist.	-12432 Jan 12 j 08:07	24° U 11'04	1.32822 AU
max. Earth dist.	-12433 Jan 28 j 18:55	11° M 10'49	1.32827 AU		-12432 Jan 15 j 00:04	0° M	
asc. node	-12433 Jan 31 j 05:39	16° M 30'15		asc. node	-12432 Jan 18 j 02:58	6° M 44'50	
evening rise	-12433 Feb 04 j 14:17	25° M 45'23		evening rise	-12432 Jan 19 j 23:41	10° M 41'29	
	-12433 Feb 06 j 16:10	0° J			-12432 Jan 30 j 00:29	0° J	
	-12433 Feb 24 j 04:46	0° Z		evening max el	-12432 Feb 16 j 12:19	23° J 46'58	25°36'48
evening max el	-12433 Mar 06 j 14:30	12° Z 23'28	26°43'33		-12432 Feb 25 j 14:59	0° Z	
retrograde	-12433 Mar 20 j 17:24	19° Z 48'56		retrograde	-12432 Mar 01 j 13:52	0° Z 57'47	
desc. node	-12433 Mar 20 j 13:33	19° Z 48'52		desc. node	-12432 Mar 06 j 10:31	0° Z 01'22	
evening set	-12433 Mar 26 j 23:02	18° Z 06'54			-12432 Mar 06 j 11:57	30° R J	
min. Earth dist.	-12433 Mar 31 j 03:56	15° Z 15'53	0.59868 AU	evening set	-12432 Mar 06 j 21:54	29° J 50'03	
inferior conj	-12433 Apr 03 j 11:49	12° Z 31'00	-2°54'00	min. Earth dist.	-12432 Mar 12 j 01:50	26° J 53'34	0.57966 AU
minimum elong	-12433 Apr 03 j 09:03	12° Z 36'47	2°54'18	inferior conj	-12432 Mar 15 j 04:32	24° J 40'20	-2°02'12
morning rise	-12433 Apr 10 j 21:41	7° Z 49'10		minimum elong	-12432 Mar 15 j 01:06	24° J 46'30	2°02'07

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning rise	-12432 Mar 23 j 07:30	20° ♁ 17'34		morning rise	-12431 Mar 04 j 21:41	2° ♁ 03'27	
direct	-12432 Mar 25 j 13:47	20° ♁ 01'11		direct	-12431 Mar 07 j 01:21	1° ♁ 51'01	
morning max el	-12432 Apr 02 j 22:39	24° ♁ 00'40	18°49'38	morning max el	-12431 Mar 16 j 21:18	6° ♁ 30'09	19°42'29
	-12432 Apr 07 j 22:17	0° ♁			-12431 Apr 01 j 03:25	0° ♁	
asc. node	-12432 Apr 15 j 01:36	11° ♁ 57'38		asc. node	-12431 Apr 01 j 22:34	1° ♁ 34'09	
morning set	-12432 Apr 19 j 09:07	20° ♁ 11'54		morning set	-12431 Apr 03 j 09:14	4° ♁ 26'42	
	-12432 Apr 24 j 09:50	0° ♁					
superior conj	-12432 Apr 28 j 06:29	7° ♁ 23'57	1°35'28	superior conj	-12431 Apr 11 j 12:51	20° ♁ 48'17	1°17'53
minimum elong	-12432 Apr 28 j 03:34	7° ♁ 10'10	1°34'38	minimum elong	-12431 Apr 11 j 09:51	20° ♁ 33'31	1°16'48
max. Earth dist.	-12432 May 05 j 01:16	19° ♁ 52'11	1.38929 AU		-12431 Apr 16 j 06:52	0° ♁	
evening rise	-12432 May 09 j 05:18	27° ♁ 09'32		max. Earth dist.	-12431 Apr 17 j 03:07	1° ♁ 35'25	1.37126 AU
	-12432 May 10 j 21:23	0° ♁		evening rise	-12431 Apr 21 j 04:16	9° ♁ 01'47	
	-12432 May 30 j 07:12	0° ♁			-12431 May 03 j 15:33	0° ♁	
desc. node	-12432 Jun 02 j 08:28	4° ♁ 12'07		desc. node	-12431 May 20 j 05:58	23° ♁ 29'18	
evening max el	-12432 Jun 13 j 15:46	17° ♁ 48'28	24°09'33		-12431 May 25 j 22:10	0° ♁	
retrograde	-12432 Jun 24 j 15:33	24° ♁ 19'09		evening max el	-12431 May 27 j 01:15	1° ♁ 09'08	25°27'14
evening set	-12432 Jun 30 j 01:45	21° ♁ 57'58		retrograde	-12431 Jun 08 j 02:18	8° ♁ 13'04	
inferior conj	-12432 Jul 05 j 07:21	15° ♁ 42'21	-1°57'32	evening set	-12431 Jun 14 j 02:46	5° ♁ 35'25	
minimum elong	-12432 Jul 05 j 09:24	15° ♁ 35'24	1°56'43	min. Earth dist.	-12431 Jun 18 j 10:31	0° ♁ 40'54	0.66633 AU
min. Earth dist.	-12432 Jul 04 j 18:55	16° ♁ 24'43	0.67112 AU		-12431 Jun 18 j 23:01	30° ♁	
morning rise	-12432 Jul 10 j 17:00	9° ♁ 32'41		inferior conj	-12431 Jun 19 j 11:17	29° ♁ 19'45	-2°33'04
asc. node	-12432 Jul 12 j 02:43	8° ♁ 40'31		minimum elong	-12431 Jun 19 j 13:32	29° ♁ 12'21	2°32'32
direct	-12432 Jul 14 j 15:19	8° ♁ 04'28		morning rise	-12431 Jun 25 j 00:20	23° ♁ 20'35	
morning max el	-12432 Jul 22 j 21:23	12° ♁ 58'16	20°48'45	direct	-12431 Jun 28 j 13:02	22° ♁ 08'14	
	-12432 Aug 04 j 21:40	0° ♁		asc. node	-12431 Jun 28 j 23:27	22° ♁ 09'17	
morning set	-12432 Aug 20 j 17:31	23° ♁ 59'34		morning max el	-12431 Jul 05 j 22:47	26° ♁ 25'50	19°43'35
	-12432 Aug 24 j 13:23	0° ♁			-12431 Jul 09 j 01:25	0° ♁	
desc. node	-12432 Aug 29 j 05:06	7° ♁ 25'40			-12431 Jul 29 j 06:42	0° ♁	
max. Earth dist.	-12432 Aug 30 j 05:59	9° ♁ 06'09	1.43135 AU	morning set	-12431 Jul 30 j 21:51	2° ♁ 32'48	
				max. Earth dist.	-12431 Aug 12 j 19:40	22° ♁ 52'12	1.44187 AU
superior conj	-12432 Sep 05 j 10:44	19° ♁ 17'29	-0°42'27	superior conj	-12431 Aug 16 j 08:34	28° ♁ 31'28	-0°01'33
minimum elong	-12432 Sep 05 j 07:07	19° ♁ 02'23	0°41'16	minimum elong	-12431 Aug 16 j 08:28	28° ♁ 31'05	0°00'54
	-12432 Sep 11 j 18:02	0° ♁		behind sun begin	-12431 Aug 15 j 21:33	27° ♁ 47'16	
evening rise	-12432 Sep 17 j 15:59	10° ♁ 19'52		behind sun end	-12431 Aug 16 j 19:23	29° ♁ 14'57	
	-12432 Sep 29 j 06:34	0° ♁		desc. node	-12431 Aug 16 j 02:24	28° ♁ 06'41	
evening max el	-12432 Oct 04 j 15:33	6° ♁ 54'13	18°07'41		-12431 Aug 17 j 06:35	0° ♁	
asc. node	-12432 Oct 08 j 02:49	9° ♁ 35'40		evening rise	-12431 Aug 30 j 14:36	21° ♁ 56'24	
retrograde	-12432 Oct 11 j 08:11	10° ♁ 26'43			-12431 Sep 04 j 09:56	0° ♁	
evening set	-12432 Oct 13 j 22:12	9° ♁ 54'25		evening max el	-12431 Sep 18 j 05:19	20° ♁ 19'32	18°22'18
inferior conj	-12432 Oct 20 j 13:57	4° ♁ 40'07	3°19'55	retrograde	-12431 Sep 24 j 20:13	23° ♁ 57'13	
minimum elong	-12432 Oct 20 j 10:06	4° ♁ 49'52	3°19'37	asc. node	-12431 Sep 24 j 23:59	23° ♁ 57'05	
min. Earth dist.	-12432 Oct 23 j 05:11	2° ♁ 00'41	0.62442 AU	evening set	-12431 Sep 27 j 14:48	23° ♁ 15'58	
	-12432 Oct 25 j 09:46	30° ♁		inferior conj	-12431 Oct 03 j 20:16	17° ♁ 44'16	2°33'28
morning rise	-12432 Oct 26 j 20:58	28° ♁ 50'53		minimum elong	-12431 Oct 03 j 16:54	17° ♁ 53'44	2°33'09
direct	-12432 Nov 02 j 22:18	26° ♁ 17'21		min. Earth dist.	-12431 Oct 05 j 22:59	15° ♁ 21'55	0.63978 AU
	-12432 Nov 12 j 06:34	0° ♁		morning rise	-12431 Oct 09 j 18:14	11° ♁ 41'09	
morning max el	-12432 Nov 16 j 16:43	3° ♁ 46'38	27°33'43	direct	-12431 Oct 16 j 14:46	8° ♁ 58'13	
desc. node	-12432 Nov 25 j 05:29	13° ♁ 31'25		morning max el	-12431 Oct 30 j 01:45	16° ♁ 30'28	27°21'35
	-12432 Dec 06 j 10:06	0° ♁			-12431 Nov 10 j 10:23	0° ♁	
morning set	-12432 Dec 20 j 00:11	24° ♁ 55'18		desc. node	-12431 Nov 12 j 02:08	2° ♁ 18'09	
	-12432 Dec 22 j 11:23	0° ♁			-12431 Nov 29 j 02:08	0° ♁	
max. Earth dist.	-12432 Dec 25 j 18:16	6° ♁ 58'00	1.33166 AU	morning set	-12431 Dec 03 j 20:19	9° ♁ 04'37	
				max. Earth dist.	-12431 Dec 08 j 21:30	19° ♁ 19'06	1.33890 AU
superior conj	-12432 Dec 27 j 09:31	10° ♁ 29'35	-1°05'10	superior conj	-12431 Dec 11 j 17:10	25° ♁ 15'19	-1°20'25
minimum elong	-12432 Dec 27 j 11:31	10° ♁ 40'23	1°05'00	minimum elong	-12431 Dec 11 j 19:06	25° ♁ 25'37	1°20'08
evening rise	-12431 Jan 03 j 10:45	25° ♁ 39'46			-12431 Dec 13 j 22:32	0° ♁	
asc. node	-12431 Jan 04 j 00:20	26° ♁ 50'50		evening rise	-12431 Dec 18 j 21:49	10° ♁ 33'57	
	-12431 Jan 05 j 12:59	0° ♁		asc. node	-12431 Dec 21 j 21:45	16° ♁ 43'05	
	-12431 Jan 23 j 19:47	0° ♁			-12431 Dec 29 j 02:23	0° ♁	
evening max el	-12431 Jan 28 j 05:58	4° ♁ 43'56	24°09'46	evening max el	-12430 Jan 09 j 23:57	15° ♁ 36'15	22°35'40
retrograde	-12431 Feb 10 j 22:24	11° ♁ 30'24		retrograde	-12430 Jan 22 j 19:26	21° ♁ 45'13	
evening set	-12431 Feb 15 j 04:52	10° ♁ 49'47		evening set	-12430 Jan 26 j 03:52	21° ♁ 20'34	
desc. node	-12431 Feb 21 j 07:24	7° ♁ 53'59		min. Earth dist.	-12430 Feb 03 j 10:34	17° ♁ 36'25	0.55573 AU
min. Earth dist.	-12431 Feb 21 j 19:16	7° ♁ 35'55	0.56437 AU	inferior conj	-12430 Feb 04 j 05:48	17° ♁ 08'39	1°00'03
inferior conj	-12431 Feb 24 j 01:28	6° ♁ 11'09	-0°41'18	minimum elong	-12430 Feb 04 j 08:18	17° ♁ 05'01	0°58'42
minimum elong	-12431 Feb 23 j 23:51	6° ♁ 13'41	0°41'30				

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

desc. node	-12430 Feb 08 j 04:11	14° \mathbb{M} 59'11		min. Earth dist.	-12429 Jan 16 j 00:38	27° \mathbb{A} 20'25	0.55562 AU
morning rise	-12430 Feb 13 j 13:55	13° \mathbb{M} 05'01		morning rise	-12429 Jan 24 j 11:19	23° \mathbb{A} 36'13	
direct	-12430 Feb 15 j 21:29	12° \mathbb{M} 52'25		desc. node	-12429 Jan 26 j 00:54	23° \mathbb{A} 20'33	
morning max el	-12430 Feb 27 j 09:29	18° \mathbb{M} 21'47	20°54'33	direct	-12429 Jan 27 j 12:37	23° \mathbb{A} 15'34	
	-12430 Mar 08 j 10:16	0° \mathbb{A}		morning max el	-12429 Feb 09 j 10:22	29° \mathbb{A} 33'32	22°22'43
morning set	-12430 Mar 18 j 15:42	19° \mathbb{A} 05'35			-12429 Feb 09 j 21:18	0° \mathbb{M}	
asc. node	-12430 Mar 19 j 19:38	21° \mathbb{A} 29'11			-12429 Mar 01 j 03:23	0° \mathbb{A}	
	-12430 Mar 23 j 22:09	0° \mathbb{B}		morning set	-12429 Mar 03 j 02:04	3° \mathbb{A} 59'57	
				asc. node	-12429 Mar 06 j 16:47	11° \mathbb{A} 36'36	
superior conj	-12430 Mar 26 j 06:39	4° \mathbb{B} 51'01	0°56'38	superior conj	-12429 Mar 10 j 08:23	19° \mathbb{A} 20'42	0°33'34
minimum elong	-12430 Mar 26 j 04:17	4° \mathbb{B} 38'54	0°55'29	minimum elong	-12429 Mar 10 j 06:58	19° \mathbb{A} 13'12	0°32'33
max. Earth dist.	-12430 Mar 30 j 12:07	13° \mathbb{B} 21'39	1.35578 AU	max. Earth dist.	-12429 Mar 13 j 07:19	25° \mathbb{A} 30'32	1.34370 AU
evening rise	-12430 Apr 03 j 23:18	21° \mathbb{B} 57'51			-12429 Mar 15 j 12:11	0° \mathbb{B}	
	-12430 Apr 08 j 08:46	0° \mathbb{A}			-12429 Mar 18 j 08:54	5° \mathbb{B} 40'31	
	-12430 Apr 27 j 09:26	0° \mathbb{H}		evening rise	-12429 Mar 18 j 08:54	5° \mathbb{B} 40'31	
desc. node	-12430 May 07 j 03:24	12° \mathbb{H} 04'09			-12429 Apr 01 j 01:26	0° \mathbb{A}	
evening max el	-12430 May 09 j 11:25	14° \mathbb{H} 29'24	26°31'19	evening max el	-12429 Apr 21 j 22:19	27° \mathbb{A} 41'31	27°13'38
retrograde	-12430 May 22 j 08:29	21° \mathbb{H} 54'37		desc. node	-12429 Apr 24 j 00:44	29° \mathbb{A} 38'44	
evening set	-12430 May 28 j 21:02	19° \mathbb{H} 08'20			-12429 Apr 24 j 10:32	0° \mathbb{H}	
min. Earth dist.	-12430 Jun 01 j 20:49	14° \mathbb{H} 52'52	0.65779 AU	retrograde	-12429 May 05 j 09:20	5° \mathbb{H} 15'42	
inferior conj	-12430 Jun 03 j 11:10	12° \mathbb{H} 54'40	-3°00'54	evening set	-12429 May 12 j 05:45	2° \mathbb{H} 31'53	
minimum elong	-12430 Jun 03 j 13:11	12° \mathbb{H} 48'26	3°00'47		-12429 May 14 j 22:50	30° \mathbb{R} \mathbb{A}	
morning rise	-12430 Jun 09 j 05:34	7° \mathbb{H} 08'39		min. Earth dist.	-12429 May 15 j 23:50	28° \mathbb{A} 52'35	0.64531 AU
direct	-12430 Jun 12 j 10:28	6° \mathbb{H} 10'10		inferior conj	-12429 May 18 j 04:40	26° \mathbb{A} 22'58	-3°18'54
asc. node	-12430 Jun 15 j 20:11	7° \mathbb{H} 12'12		minimum elong	-12429 May 18 j 05:54	26° \mathbb{A} 19'27	3°19'13
morning max el	-12430 Jun 19 j 06:08	9° \mathbb{H} 59'42	18°53'08	morning rise	-12429 May 24 j 06:36	20° \mathbb{A} 52'29	
	-12430 Jul 03 j 08:48	0° \mathbb{Y}		direct	-12429 May 27 j 05:21	20° \mathbb{A} 05'52	
morning set	-12430 Jul 10 j 17:21	11° \mathbb{Y} 48'02		morning max el	-12429 Jun 02 j 17:45	23° \mathbb{A} 36'42	18°19'25
	-12430 Jul 22 j 03:09	0° \mathbb{B}		asc. node	-12429 Jun 02 j 16:57	23° \mathbb{A} 34'41	
					-12429 Jun 07 j 20:37	0° \mathbb{H}	
superior conj	-12430 Jul 26 j 11:04	6° \mathbb{B} 51'22	0°43'22	morning set	-12429 Jun 21 j 13:23	22° \mathbb{H} 10'56	
minimum elong	-12430 Jul 26 j 16:03	7° \mathbb{B} 11'05	0°43'15		-12429 Jun 26 j 06:01	0° \mathbb{Y}	
max. Earth dist.	-12430 Jul 26 j 11:41	6° \mathbb{B} 53'50	1.44577 AU				
desc. node	-12430 Aug 02 j 23:47	18° \mathbb{B} 47'17		superior conj	-12429 Jul 05 j 14:37	15° \mathbb{Y} 15'41	1°20'48
	-12430 Aug 10 j 00:27	0° \mathbb{H}		minimum elong	-12429 Jul 05 j 21:05	15° \mathbb{Y} 41'40	1°20'26
evening rise	-12430 Aug 11 j 11:38	2° \mathbb{H} 21'04		max. Earth dist.	-12429 Jul 09 j 03:31	20° \mathbb{Y} 55'03	1.44266 AU
	-12430 Aug 29 j 11:07	0° \mathbb{B}			-12429 Jul 14 j 21:18	0° \mathbb{B}	
evening max el	-12430 Sep 01 j 17:31	3° \mathbb{B} 49'32	18°54'28	desc. node	-12429 Jul 20 j 21:15	9° \mathbb{B} 24'05	
retrograde	-12430 Sep 08 j 13:45	7° \mathbb{B} 40'52		evening rise	-12429 Jul 22 j 05:27	11° \mathbb{B} 29'46	
evening set	-12430 Sep 11 j 15:15	6° \mathbb{B} 47'30		greatest brilliancy	-12429 Aug 02 j 20:29	29° \mathbb{B} 27'25	-0.7m
asc. node	-12430 Sep 11 j 21:04	6° \mathbb{B} 38'48			-12429 Aug 03 j 05:05	0° \mathbb{H}	
inferior conj	-12430 Sep 17 j 12:01	1° \mathbb{B} 01'36	1°42'27	evening max el	-12429 Aug 16 j 01:33	17° \mathbb{H} 19'50	19°42'58
minimum elong	-12430 Sep 17 j 09:41	1° \mathbb{B} 08'45	1°42'23	retrograde	-12429 Aug 23 j 09:54	21° \mathbb{H} 33'40	
	-12430 Sep 18 j 08:07	30° \mathbb{R} \mathbb{H}		evening set	-12429 Aug 26 j 20:41	20° \mathbb{H} 24'40	
min. Earth dist.	-12430 Sep 19 j 02:13	29° \mathbb{H} 04'55	0.65226 AU	asc. node	-12429 Aug 29 j 18:02	17° \mathbb{H} 46'50	
morning rise	-12430 Sep 23 j 03:35	24° \mathbb{H} 48'26		inferior conj	-12429 Sep 01 j 10:32	14° \mathbb{H} 27'34	0°50'12
direct	-12430 Sep 29 j 13:53	22° \mathbb{H} 07'40		minimum elong	-12429 Sep 01 j 09:24	14° \mathbb{H} 31'18	0°50'30
morning max el	-12430 Oct 12 j 12:05	29° \mathbb{H} 34'33	26°39'40	min. Earth dist.	-12429 Sep 02 j 12:57	13° \mathbb{H} 01'40	0.66169 AU
	-12430 Oct 12 j 22:17	0° \mathbb{B}		morning rise	-12429 Sep 06 j 21:47	8° \mathbb{H} 08'26	
desc. node	-12430 Oct 29 j 22:51	21° \mathbb{B} 44'12		direct	-12429 Sep 12 j 18:51	5° \mathbb{H} 38'29	
	-12430 Nov 04 j 06:58	0° \mathbb{Q}		morning max el	-12429 Sep 24 j 22:05	12° \mathbb{H} 47'48	25°35'14
morning set	-12430 Nov 17 j 05:22	22° \mathbb{Q} 36'30			-12429 Oct 08 j 22:05	0° \mathbb{B}	
	-12430 Nov 21 j 00:53	0° \mathbb{M}		desc. node	-12429 Oct 16 j 19:41	11° \mathbb{B} 38'15	
max. Earth dist.	-12430 Nov 21 j 14:42	1° \mathbb{M} 08'37	1.35038 AU		-12429 Oct 27 j 23:29	0° \mathbb{Q}	
				morning set	-12429 Oct 30 j 22:55	5° \mathbb{Q} 17'59	
superior conj	-12430 Nov 25 j 19:37	9° \mathbb{M} 41'32	-1°31'27	max. Earth dist.	-12429 Nov 03 j 21:24	12° \mathbb{Q} 35'06	1.36603 AU
minimum elong	-12430 Nov 25 j 21:01	9° \mathbb{M} 48'48	1°31'05				
evening rise	-12430 Dec 03 j 07:11	25° \mathbb{M} 18'26		superior conj	-12429 Nov 09 j 14:08	23° \mathbb{Q} 39'48	-1°36'55
	-12430 Dec 05 j 14:21	0° \mathbb{A}		minimum elong	-12429 Nov 09 j 14:27	23° \mathbb{Q} 41'25	1°36'27
asc. node	-12430 Dec 08 j 19:11	6° \mathbb{A} 15'12			-12429 Nov 12 j 17:37	0° \mathbb{M}	
evening max el	-12430 Dec 22 j 23:49	26° \mathbb{A} 46'44	21°07'01	evening rise	-12429 Nov 17 j 13:03	9° \mathbb{M} 47'41	
	-12430 Dec 27 j 04:35	0° \mathbb{M}		asc. node	-12429 Nov 25 j 16:34	25° \mathbb{M} 19'50	
retrograde	-12429 Jan 03 j 09:56	2° \mathbb{M} 08'47			-12429 Nov 28 j 13:28	0° \mathbb{A}	
evening set	-12429 Jan 06 j 05:31	1° \mathbb{M} 50'24		evening max el	-12429 Dec 05 j 09:13	8° \mathbb{A} 29'14	19°52'48
	-12429 Jan 11 j 05:28	30° \mathbb{R} \mathbb{A}		retrograde	-12429 Dec 15 j 05:26	13° \mathbb{A} 07'00	
inferior conj	-12429 Jan 15 j 03:17	27° \mathbb{A} 51'15	2°38'09	evening set	-12429 Dec 17 j 19:41	12° \mathbb{A} 49'12	
minimum elong	-12429 Jan 15 j 08:55	27° \mathbb{A} 43'07	2°36'20	inferior conj	-12429 Dec 26 j 07:10	8° \mathbb{A} 45'14	3°46'46

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

minimum elong	-12429 Dec 26 j 11:50	8° Ω 37'56	3°45'57	evening max el	-12428 Nov 17 j 04:42	20° Π 44'32	18°57'32
min. Earth dist.	-12429 Dec 28 j 13:49	7° Ω 19'55	0.56387 AU	retrograde	-12428 Nov 25 j 16:11	24° Π 49'08	
morning rise	-12428 Jan 04 j 02:00	4° Ω 08'42		evening set	-12428 Nov 28 j 04:02	24° Π 29'26	
direct	-12428 Jan 08 j 09:42	3° Ω 27'04		inferior conj	-12428 Dec 06 j 03:04	20° Π 08'45	4°15'45
desc. node	-12428 Jan 12 j 21:34	4° Ω 13'18		minimum elong	-12428 Dec 06 j 04:04	20° Π 06'56	4°15'52
morning max el	-12428 Jan 22 j 02:54	10° Ω 18'30	23°59'14	min. Earth dist.	-12428 Dec 09 j 03:54	17° Π 59'16	0.57834 AU
	-12428 Feb 05 j 16:59	0° Π		morning rise	-12428 Dec 14 j 02:10	15° Π 08'32	
morning set	-12428 Feb 15 j 14:20	19° Π 03'11		direct	-12428 Dec 19 j 17:19	13° Π 53'21	
	-12428 Feb 20 j 17:16	0° \mathcal{A}		desc. node	-12428 Dec 29 j 18:11	17° Π 41'33	
asc. node	-12428 Feb 21 j 13:59	1° \mathcal{A} 51'45		morning max el	-12427 Jan 02 j 17:41	21° Π 02'46	25°31'12
					-12427 Jan 10 j 12:22	0° Ω	
superior conj	-12428 Feb 22 j 15:28	4° \mathcal{A} 08'58	0°10'00		-12427 Jan 28 j 02:48	0° Π	
minimum elong	-12428 Feb 22 j 15:04	4° \mathcal{A} 06'49	0°09'14	morning set	-12427 Jan 30 j 02:41	4° Π 08'00	
behind sun begin	-12428 Feb 22 j 10:52	3° \mathcal{A} 44'10					
behind sun end	-12428 Feb 22 j 19:17	4° \mathcal{A} 29'28		superior conj	-12427 Feb 06 j 01:46	19° Π 08'13	-0°13'08
max. Earth dist.	-12428 Feb 24 j 11:55	8° \mathcal{A} 06'48	1.33515 AU	minimum elong	-12427 Feb 06 j 02:20	19° Π 11'15	0°13'35
evening rise	-12428 Mar 01 j 04:48	19° \mathcal{A} 56'24		behind sun begin	-12427 Feb 05 j 23:46	18° Π 57'19	
	-12428 Mar 06 j 09:31	0° \mathcal{B}		behind sun end	-12427 Feb 06 j 04:53	19° Π 25'11	
	-12428 Mar 25 j 04:54	0° \approx		max. Earth dist.	-12427 Feb 06 j 22:42	21° Π 02'01	1.32989 AU
evening max el	-12428 Apr 03 j 08:10	10° \approx 33'50	27°27'25	asc. node	-12427 Feb 07 j 11:14	22° Π 09'58	
desc. node	-12428 Apr 09 j 21:59	15° \approx 48'52			-12427 Feb 11 j 03:04	0° \mathcal{A}	
retrograde	-12428 Apr 17 j 03:54	18° \approx 08'17		evening rise	-12427 Feb 13 j 07:48	4° \mathcal{A} 34'15	
evening set	-12428 Apr 24 j 01:47	15° \approx 39'42			-12427 Feb 27 j 03:35	0° \mathcal{B}	
min. Earth dist.	-12428 Apr 27 j 18:04	12° \approx 29'11	0.62915 AU	evening max el	-12427 Mar 16 j 14:22	22° \mathcal{B} 54'29	27°08'48
inferior conj	-12428 Apr 30 j 12:55	9° \approx 39'17	-3°23'53	desc. node	-12427 Mar 27 j 19:07	0° \approx 03'08	
minimum elong	-12428 Apr 30 j 12:48	9° \approx 39'34	3°24'28		-12427 Mar 27 j 14:13	0° \approx	
morning rise	-12428 May 07 j 00:59	4° \approx 26'36		retrograde	-12427 Mar 30 j 15:16	0° \approx 24'29	
direct	-12428 May 09 j 18:44	3° \approx 50'14			-12427 Apr 02 j 14:31	30° \mathcal{R} \mathcal{B}	
morning max el	-12428 May 16 j 07:28	7° \approx 12'39	18°03'37	evening set	-12427 Apr 06 j 05:52	28° \mathcal{B} 22'54	
asc. node	-12428 May 19 j 13:43	11° \approx 01'01		min. Earth dist.	-12427 Apr 10 j 03:10	25° \mathcal{B} 29'15	0.61018 AU
	-12428 May 31 j 06:56	0° \mathcal{H}		inferior conj	-12427 Apr 13 j 08:36	22° \mathcal{B} 36'14	-3°11'22
morning set	-12428 Jun 02 j 09:48	3° \mathcal{H} 42'55		minimum elong	-12427 Apr 13 j 06:45	22° \mathcal{B} 40'25	3°11'53
				morning rise	-12427 Apr 20 j 09:41	17° \mathcal{B} 43'10	
superior conj	-12428 Jun 14 j 14:35	24° \mathcal{H} 40'00	1°42'51	direct	-12427 Apr 22 j 22:56	17° \mathcal{B} 15'47	
minimum elong	-12428 Jun 14 j 18:07	24° \mathcal{H} 54'43	1°42'36	morning max el	-12427 Apr 29 j 20:47	20° \mathcal{B} 41'38	18°06'26
	-12428 Jun 17 j 19:56	0° \mathcal{Y}		asc. node	-12427 May 06 j 10:31	29° \mathcal{B} 17'11	
max. Earth dist.	-12428 Jun 20 j 16:36	4° \mathcal{Y} 39'47	1.43302 AU		-12427 May 06 j 21:16	0° \approx	
evening rise	-12428 Jun 30 j 06:24	19° \mathcal{Y} 51'21		morning set	-12427 May 16 j 02:25	16° \approx 14'38	
desc. node	-12428 Jul 06 j 18:43	29° \mathcal{Y} 53'26			-12427 May 23 j 16:06	0° \mathcal{H}	
	-12428 Jul 06 j 20:27	0° \mathcal{B}					
	-12428 Jul 28 j 09:31	0° Π		superior conj	-12427 May 26 j 17:39	5° \mathcal{H} 25'13	1°49'01
evening max el	-12428 Jul 29 j 03:17	0° Π 46'29	20°45'58	minimum elong	-12427 May 26 j 17:32	5° \mathcal{H} 24'40	1°48'42
retrograde	-12428 Aug 06 j 06:29	5° Π 32'09		max. Earth dist.	-12427 Jun 03 j 00:25	17° \mathcal{H} 51'29	1.41810 AU
evening set	-12428 Aug 10 j 04:40	4° Π 04'21		evening rise	-12427 Jun 09 j 12:37	28° \mathcal{H} 28'32	
	-12428 Aug 14 j 01:08	30° \mathcal{R} \mathcal{B}			-12427 Jun 10 j 11:34	0° \mathcal{Y}	
inferior conj	-12428 Aug 15 j 13:32	27° \mathcal{B} 58'43	-0°01'06	desc. node	-12427 Jun 23 j 16:15	20° \mathcal{Y} 11'25	
minimum elong	-12428 Aug 15 j 13:32	27° \mathcal{B} 58'41	0°00'27		-12427 Jun 30 j 12:38	0° \mathcal{B}	
transit middle	-12428 Aug 15 j 13:32	27° \mathcal{B} 58'41	0°00'27	evening max el	-12427 Jul 11 j 21:57	14° \mathcal{B} 08'43	22°00'34
transit begin	-12428 Aug 15 j 10:48	28° \mathcal{B} 07'56		retrograde	-12427 Jul 21 j 01:53	19° \mathcal{B} 34'17	
transit end	-12428 Aug 15 j 16:16	27° \mathcal{B} 49'26		evening set	-12427 Jul 25 j 13:13	17° \mathcal{B} 45'35	
asc. node	-12428 Aug 15 j 14:56	27° \mathcal{B} 53'55		inferior conj	-12427 Jul 30 j 19:06	11° \mathcal{B} 34'01	-0°49'42
min. Earth dist.	-12428 Aug 16 j 04:55	27° \mathcal{B} 06'32	0.66818 AU	minimum elong	-12427 Jul 30 j 20:06	11° \mathcal{B} 30'34	0°48'50
morning rise	-12428 Aug 20 j 22:14	21° \mathcal{B} 37'30		min. Earth dist.	-12427 Jul 30 j 23:54	11° \mathcal{B} 17'26	0.67173 AU
direct	-12428 Aug 26 j 05:02	19° \mathcal{B} 23'34		asc. node	-12427 Aug 02 j 11:45	7° \mathcal{B} 58'57	
morning max el	-12428 Sep 06 j 07:51	26° \mathcal{B} 02'51	24°16'41	morning rise	-12427 Aug 05 j 02:53	5° \mathcal{B} 14'24	
	-12428 Sep 09 j 22:53	0° Π		direct	-12427 Aug 09 j 19:50	3° \mathcal{B} 18'33	
	-12428 Oct 01 j 12:13	0° \mathcal{E}		morning max el	-12427 Aug 19 j 19:18	9° \mathcal{B} 18'53	22°52'49
desc. node	-12428 Oct 02 j 16:33	1° \mathcal{E} 51'13			-12427 Sep 04 j 21:49	0° Π	
morning set	-12428 Oct 11 j 19:34	16° \mathcal{E} 53'42		desc. node	-12427 Sep 19 j 13:31	22° Π 17'34	
max. Earth dist.	-12428 Oct 15 j 21:24	24° \mathcal{E} 02'56	1.38483 AU	morning set	-12427 Sep 22 j 14:51	27° Π 14'18	
	-12428 Oct 19 j 03:56	0° \mathcal{Q}			-12427 Sep 24 j 07:05	0° \mathcal{E}	
				max. Earth dist.	-12427 Sep 27 j 21:11	6° \mathcal{E} 01'53	1.40461 AU
superior conj	-12428 Oct 22 j 20:58	6° \mathcal{Q} 57'58	-1°35'06				
minimum elong	-12428 Oct 22 j 19:41	6° \mathcal{Q} 51'51	1°34'27	superior conj	-12427 Oct 05 j 11:27	19° \mathcal{E} 23'30	-1°23'53
evening rise	-12428 Oct 31 j 13:08	23° \mathcal{Q} 54'27		minimum elong	-12427 Oct 05 j 08:22	19° \mathcal{E} 09'32	1°22'55
	-12428 Nov 03 j 16:16	0° Π			-12427 Oct 11 j 05:07	0° \mathcal{Q}	
asc. node	-12428 Nov 11 j 13:55	13° Π 46'44		evening rise	-12427 Oct 15 j 04:46	7° \mathcal{Q} 32'12	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12427 Oct 28 j 08:15	0° \mathbb{M}		evening rise	-12426 Sep 28 j 08:21	20° \mathfrak{G} 32'14	
asc. node	-12427 Oct 29 j 11:12	1° \mathbb{M} 24'18			-12426 Oct 03 j 14:38	0° \mathcal{O}	
evening max el	-12427 Oct 31 j 08:52	3° \mathbb{M} 28'35	18°22'35	evening max el	-12426 Oct 14 j 19:11	16° \mathcal{O} 34'40	18°07'40
retrograde	-12427 Nov 07 j 20:40	7° \mathbb{M} 12'17		asc. node	-12426 Oct 16 j 08:25	17° \mathcal{O} 58'27	
evening set	-12427 Nov 10 j 07:46	6° \mathbb{M} 49'14		retrograde	-12426 Oct 21 j 16:26	20° \mathcal{O} 08'22	
inferior conj	-12427 Nov 17 j 18:10	2° \mathbb{M} 07'36	4°10'46	evening set	-12426 Oct 24 j 04:44	19° \mathcal{O} 40'10	
minimum elong	-12427 Nov 17 j 15:58	2° \mathbb{M} 12'08	4°10'56	inferior conj	-12426 Oct 31 j 03:02	14° \mathcal{O} 37'34	3°42'43
	-12427 Nov 20 j 07:56	30° \mathcal{R} \mathcal{O}		minimum elong	-12426 Oct 30 j 23:21	14° \mathcal{O} 46'16	3°42'35
min. Earth dist.	-12427 Nov 20 j 22:28	29° \mathcal{O} 30'56	0.59611 AU	min. Earth dist.	-12426 Nov 03 j 00:46	11° \mathcal{O} 53'45	0.61442 AU
morning rise	-12427 Nov 24 j 22:31	26° \mathcal{O} 45'50		morning rise	-12426 Nov 06 j 16:40	8° \mathcal{O} 57'31	
direct	-12427 Dec 01 j 12:14	24° \mathcal{O} 53'24		direct	-12426 Nov 13 j 17:01	6° \mathcal{O} 34'58	
	-12427 Dec 13 j 01:06	0° \mathbb{M}		morning max el	-12426 Nov 27 j 14:25	14° \mathcal{O} 02'07	27°25'23
morning max el	-12427 Dec 15 j 12:51	2° \mathbb{M} 13'14	26°43'34	desc. node	-12426 Dec 03 j 11:22	20° \mathcal{O} 26'57	
desc. node	-12427 Dec 16 j 14:46	3° \mathbb{M} 16'59			-12426 Dec 10 j 14:32	0° \mathbb{M}	
	-12426 Jan 04 j 15:24	0° \mathcal{A}			-12426 Dec 27 j 21:55	0° \mathcal{A}	
morning set	-12426 Jan 14 j 13:18	19° \mathcal{A} 07'39		morning set	-12426 Dec 29 j 20:15	3° \mathcal{A} 54'54	
	-12426 Jan 19 j 15:20	0° \mathbb{M}		max. Earth dist.	-12425 Jan 05 j 00:18	16° \mathcal{A} 59'44	1.32914 AU
superior conj	-12426 Jan 21 j 13:32	4° \mathbb{M} 12'07	-0°34'59	superior conj	-12425 Jan 06 j 01:07	19° \mathcal{A} 14'38	-0°54'53
minimum elong	-12426 Jan 21 j 14:52	4° \mathbb{M} 19'24	0°35'09	minimum elong	-12425 Jan 06 j 02:58	19° \mathcal{A} 24'42	0°54'49
max. Earth dist.	-12426 Jan 21 j 12:04	4° \mathbb{M} 04'05	1.32784 AU		-12425 Jan 11 j 00:06	0° \mathbb{M}	
asc. node	-12426 Jan 25 j 08:32	12° \mathbb{M} 27'03		asc. node	-12425 Jan 12 j 05:53	2° \mathbb{M} 38'47	
evening rise	-12426 Jan 28 j 15:25	19° \mathbb{M} 25'36		evening rise	-12425 Jan 13 j 01:45	4° \mathbb{M} 23'32	
	-12426 Feb 02 j 22:09	0° \mathcal{A}			-12425 Jan 26 j 22:29	0° \mathcal{A}	
	-12426 Feb 22 j 06:41	0° \mathfrak{Z}		evening max el	-12425 Feb 08 j 10:50	15° \mathcal{A} 48'19	25°01'37
evening max el	-12426 Feb 26 j 15:09	4° \mathfrak{Z} 37'33	26°18'11	retrograde	-12425 Feb 22 j 10:14	22° \mathcal{A} 50'59	
retrograde	-12426 Mar 12 j 18:07	11° \mathfrak{Z} 58'21		evening set	-12425 Feb 27 j 07:10	21° \mathcal{A} 56'10	
desc. node	-12426 Mar 14 j 16:11	11° \mathfrak{Z} 49'00		desc. node	-12425 Mar 01 j 13:07	20° \mathcal{A} 56'40	
evening set	-12426 Mar 18 j 15:34	10° \mathfrak{Z} 30'54		min. Earth dist.	-12425 Mar 05 j 00:32	18° \mathcal{A} 53'27	0.57247 AU
min. Earth dist.	-12426 Mar 23 j 04:29	7° \mathfrak{Z} 39'21	0.59033 AU	inferior conj	-12425 Mar 07 j 20:28	16° \mathcal{A} 59'03	-1°31'21
inferior conj	-12426 Mar 26 j 12:04	5° \mathfrak{Z} 05'04	-2°35'32	minimum elong	-12425 Mar 07 j 17:27	17° \mathcal{A} 04'10	1°31'15
minimum elong	-12426 Mar 26 j 08:47	5° \mathfrak{Z} 11'28	2°35'40	morning rise	-12425 Mar 16 j 07:00	12° \mathcal{A} 43'31	
morning rise	-12426 Apr 03 j 05:02	0° \mathfrak{Z} 31'59		direct	-12425 Mar 18 j 11:32	12° \mathcal{A} 29'20	
direct	-12426 Apr 05 j 13:41	0° \mathfrak{Z} 12'14		morning max el	-12425 Mar 27 j 10:35	16° \mathcal{A} 44'23	19°09'39
morning max el	-12426 Apr 13 j 06:50	3° \mathfrak{Z} 55'14	18°28'18		-12425 Apr 06 j 01:10	0° \mathfrak{Z}	
asc. node	-12426 Apr 23 j 07:22	18° \mathfrak{Z} 11'22		asc. node	-12425 Apr 10 j 04:20	7° \mathfrak{Z} 35'04	
morning set	-12426 Apr 29 j 10:24	29° \mathfrak{Z} 34'10		morning set	-12425 Apr 13 j 05:40	13° \mathfrak{Z} 31'57	
	-12426 Apr 29 j 15:49	0° \approx		superior conj	-12425 Apr 21 j 18:50	0° \approx 20'55	1°28'37
superior conj	-12426 May 08 j 20:51	17° \approx 23'33	1°42'57	minimum elong	-12425 Apr 21 j 15:46	0° \approx 06'08	1°27'39
minimum elong	-12426 May 08 j 18:30	17° \approx 12'43	1°42'18		-12425 Apr 21 j 14:29	0° \approx	
	-12426 May 15 j 21:57	0° \mathcal{H}		max. Earth dist.	-12425 Apr 28 j 02:14	12° \approx 11'19	1.38144 AU
max. Earth dist.	-12426 May 16 j 02:19	0° \mathcal{H} 19'00	1.40004 AU	evening rise	-12425 May 02 j 03:06	19° \approx 23'42	
evening rise	-12426 May 20 j 18:05	8° \mathcal{H} 14'08			-12425 May 08 j 09:08	0° \mathcal{H}	
	-12426 Jun 03 j 12:49	0° \mathcal{Y}		desc. node	-12425 May 28 j 11:18	29° \mathcal{H} 47'54	
desc. node	-12426 Jun 10 j 13:48	10° \mathcal{Y} 12'03			-12425 May 28 j 15:01	0° \mathcal{Y}	
evening max el	-12426 Jun 24 j 10:44	27° \mathcal{Y} 27'48	23°22'09	evening max el	-12425 Jun 06 j 20:40	10° \mathcal{Y} 47'58	24°43'42
	-12426 Jun 27 j 04:17	0° \mathcal{B}		retrograde	-12425 Jun 18 j 08:00	17° \mathcal{Y} 34'29	
retrograde	-12426 Jul 04 j 18:46	3° \mathcal{B} 36'19		evening set	-12425 Jun 24 j 00:18	15° \mathcal{Y} 05'49	
evening set	-12426 Jul 09 j 20:24	1° \mathcal{B} 26'29		min. Earth dist.	-12425 Jun 28 j 13:21	9° \mathcal{Y} 48'30	0.66952 AU
	-12426 Jul 11 j 07:31	30° \mathcal{R} \mathcal{Y}		inferior conj	-12425 Jun 29 j 06:49	8° \mathcal{Y} 49'47	-2°13'28
inferior conj	-12426 Jul 15 j 01:26	25° \mathcal{Y} 11'30	-1°34'15	minimum elong	-12425 Jun 29 j 09:00	8° \mathcal{Y} 42'28	2°12'45
minimum elong	-12426 Jul 15 j 03:11	25° \mathcal{Y} 05'28	1°33'21	morning rise	-12425 Jul 04 j 17:40	2° \mathcal{Y} 43'56	
min. Earth dist.	-12426 Jul 14 j 19:30	25° \mathcal{Y} 32'01	0.67224 AU	asc. node	-12425 Jul 07 j 05:18	1° \mathcal{Y} 31'42	
morning rise	-12426 Jul 20 j 09:55	18° \mathcal{Y} 57'04		direct	-12425 Jul 08 j 11:38	1° \mathcal{Y} 22'39	
asc. node	-12426 Jul 20 j 08:32	18° \mathcal{Y} 59'49		morning max el	-12425 Jul 16 j 08:26	6° \mathcal{Y} 00'31	20°19'15
direct	-12426 Jul 24 j 14:28	17° \mathcal{Y} 19'08			-12425 Aug 02 j 20:08	0° \mathcal{B}	
morning max el	-12426 Aug 02 j 10:53	22° \mathcal{Y} 37'10	21°31'35	morning set	-12425 Aug 12 j 12:50	14° \mathcal{B} 54'28	
	-12426 Aug 08 j 16:17	0° \mathcal{B}			-12425 Aug 22 j 02:52	0° \mathbb{I}	
	-12426 Aug 29 j 06:43	0° \mathbb{I}		max. Earth dist.	-12425 Aug 23 j 11:46	2° \mathbb{I} 11'42	1.43656 AU
morning set	-12426 Sep 02 j 09:01	6° \mathbb{I} 23'47		desc. node	-12425 Aug 24 j 07:51	3° \mathbb{I} 32'24	
desc. node	-12426 Sep 06 j 10:38	12° \mathbb{I} 52'32		superior conj	-12425 Aug 28 j 17:33	10° \mathbb{I} 41'28	-0°26'09
max. Earth dist.	-12426 Sep 10 j 01:24	18° \mathbb{I} 45'24	1.42268 AU	minimum elong	-12425 Aug 28 j 15:00	10° \mathbb{I} 31'02	0°25'08
	-12426 Sep 16 j 18:12	0° \mathfrak{G}			-12425 Sep 09 j 05:16	0° \mathfrak{G}	
superior conj	-12426 Sep 17 j 03:56	0° \mathfrak{G} 41'49	-1°01'08	evening rise	-12425 Sep 10 j 19:08	2° \mathfrak{G} 43'05	
minimum elong	-12426 Sep 16 j 23:52	0° \mathfrak{G} 24'18	0°59'56		-12425 Sep 28 j 10:29	0° \mathcal{O}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

evening max el	-12425 Sep 28 j 08:38	29°☿55'19	18°11'48	superior conj	-12424 Aug 07 j 05:25	19°♄27'40	0°17'40
asc. node	-12425 Oct 03 j 05:36	3°♈12'59		minimum elong	-12424 Aug 07 j 07:34	19°♄36'15	0°17'59
retrograde	-12425 Oct 04 j 23:34	3°♈28'40		desc. node	-12424 Aug 10 j 05:10	24°♄13'48	
evening set	-12425 Oct 07 j 15:17	2°♈52'54			-12424 Aug 13 j 19:25	0°♈	
	-12425 Oct 11 j 15:46	30°♈		evening rise	-12424 Aug 22 j 07:30	13°♈50'58	
inferior conj	-12425 Oct 14 j 02:30	27°♈31'08	3°01'00		-12424 Sep 01 j 04:55	0°♈	
minimum elong	-12425 Oct 13 j 22:45	27°♈41'03	3°00'41	evening max el	-12424 Sep 10 j 22:10	13°♈23'59	18°33'57
min. Earth dist.	-12425 Oct 16 j 12:39	24°♈57'25	0.63128 AU	retrograde	-12424 Sep 17 j 14:19	17°♈06'03	
morning rise	-12425 Oct 20 j 05:18	21°♈35'47		asc. node	-12424 Sep 19 j 02:43	16°♈53'15	
direct	-12425 Oct 27 j 05:40	18°♈56'19		evening set	-12424 Sep 20 j 11:40	16°♈19'53	
morning max el	-12425 Nov 09 j 21:10	26°♈27'34	27°32'34	inferior conj	-12424 Sep 26 j 13:12	10°♈41'43	2°12'09
	-12425 Nov 13 j 06:33	0°♈		minimum elong	-12424 Sep 26 j 10:14	10°♈50'23	2°11'55
desc. node	-12425 Nov 20 j 08:00	8°♈44'17		min. Earth dist.	-12424 Sep 28 j 10:29	8°♈29'44	0.64549 AU
	-12425 Dec 04 j 01:57	0°♈		morning rise	-12424 Oct 02 j 08:12	4°♈34'09	
morning set	-12425 Dec 13 j 21:08	18°♈20'28		direct	-12424 Oct 09 j 00:59	1°♈51'01	
max. Earth dist.	-12425 Dec 19 j 07:45	29°♈35'55	1.33417 AU	morning max el	-12424 Oct 22 j 06:56	9°♈21'19	27°07'04
	-12425 Dec 19 j 12:17	0°♈		desc. node	-12424 Nov 06 j 04:41	27°♈49'42	
					-12424 Nov 07 j 16:13	0°♈	
superior conj	-12425 Dec 21 j 10:45	4°♈08'23	-1°12'05		-12424 Nov 25 j 08:56	0°♈	
minimum elong	-12425 Dec 21 j 12:46	4°♈19'17	1°11'52	morning set	-12424 Nov 26 j 12:59	2°♈15'00	
evening rise	-12425 Dec 28 j 13:00	19°♈20'46		max. Earth dist.	-12424 Dec 01 j 07:05	11°♈44'09	1.34331 AU
asc. node	-12425 Dec 30 j 03:17	22°♈39'39					
	-12424 Jan 02 j 19:45	0°♈		superior conj	-12424 Dec 04 j 16:28	18°♈46'46	-1°25'40
evening max el	-12424 Jan 21 j 04:11	26°♈41'09	23°29'59	minimum elong	-12424 Dec 04 j 18:15	18°♈56'06	1°25'22
	-12424 Jan 25 j 06:15	0°♈			-12424 Dec 09 j 23:37	0°♈	
retrograde	-12424 Feb 03 j 13:23	3°♈12'41		evening rise	-12424 Dec 11 j 23:34	4°♈11'41	
evening set	-12424 Feb 07 j 09:29	2°♈40'27		asc. node	-12424 Dec 16 j 00:40	12°♈24'00	
	-12424 Feb 13 j 10:34	30°♈			-12424 Dec 26 j 10:22	0°♈	
min. Earth dist.	-12424 Feb 14 j 17:07	29°♈15'31	0.55974 AU	evening max el	-12423 Jan 02 j 00:04	7°♈38'25	21°56'37
inferior conj	-12424 Feb 16 j 09:38	28°♈14'43	0°00'12	retrograde	-12423 Jan 14 j 06:04	13°♈27'27	
minimum elong	-12424 Feb 16 j 09:37	28°♈14'45	0°00'25	evening set	-12423 Jan 17 j 08:12	13°♈06'14	
transit middle	-12424 Feb 16 j 09:37	28°♈14'45	0°00'25	inferior conj	-12423 Jan 26 j 09:24	9°♈02'02	1°43'49
transit begin	-12424 Feb 16 j 05:36	28°♈20'48		minimum elong	-12423 Jan 26 j 13:37	8°♈56'01	1°42'04
transit end	-12424 Feb 16 j 13:38	28°♈08'43		min. Earth dist.	-12423 Jan 26 j 07:27	9°♈04'49	0.55467 AU
desc. node	-12424 Feb 16 j 09:58	28°♈14'14		desc. node	-12423 Feb 02 j 06:44	5°♈37'15	
morning rise	-12424 Feb 25 j 11:55	24°♈10'02		morning rise	-12423 Feb 04 j 19:16	4°♈55'40	
direct	-12424 Feb 27 j 16:04	23°♈58'07		direct	-12423 Feb 07 j 08:48	4°♈40'46	
morning max el	-12424 Mar 09 j 04:59	28°♈58'17	20°10'47	morning max el	-12423 Feb 19 j 12:05	10°♈31'17	21°30'25
	-12424 Mar 10 j 05:51	0°♈			-12423 Mar 05 j 05:38	0°♈	
morning set	-12424 Mar 27 j 08:52	27°♈58'10		morning set	-12423 Mar 11 j 17:14	12°♈44'22	
asc. node	-12424 Mar 27 j 01:22	27°♈20'20		asc. node	-12423 Mar 13 j 22:28	17°♈21'02	
	-12424 Mar 28 j 08:52	0°♈					
				superior conj	-12423 Mar 19 j 04:02	28°♈17'43	0°46'58
superior conj	-12424 Apr 04 j 06:32	14°♈02'51	1°09'12	minimum elong	-12423 Mar 19 j 02:03	28°♈07'24	0°45'52
minimum elong	-12424 Apr 04 j 03:45	13°♈48'51	1°08'04		-12423 Mar 19 j 23:49	0°♈	
max. Earth dist.	-12424 Apr 09 j 06:44	23°♈53'28	1.36438 AU	max. Earth dist.	-12423 Mar 22 j 20:17	5°♈49'02	1.35024 AU
	-12424 Apr 12 j 12:28	0°♈		evening rise	-12423 Mar 27 j 13:09	15°♈02'46	
evening rise	-12424 Apr 13 j 11:23	1°♈45'34			-12423 Apr 04 j 19:09	0°♈	
	-12424 Apr 30 j 10:50	0°♈			-12423 Apr 25 j 00:25	0°♈	
desc. node	-12424 May 14 j 08:45	18°♈48'59		desc. node	-12423 May 01 j 06:10	7°♈00'44	
evening max el	-12424 May 19 j 06:37	24°♈10'14	25°56'41	evening max el	-12423 May 01 j 17:16	7°♈28'22	26°52'24
	-12424 May 26 j 17:01	0°♈		retrograde	-12423 May 14 j 20:36	14°♈57'56	
retrograde	-12424 May 31 j 16:51	1°♈24'01		evening set	-12423 May 21 j 13:19	12°♈11'09	
	-12424 Jun 05 j 05:32	30°♈		min. Earth dist.	-12423 May 25 j 10:21	8°♈11'54	0.65302 AU
evening set	-12424 Jun 06 j 22:46	28°♈41'52		inferior conj	-12423 May 27 j 06:49	5°♈59'27	-3°09'55
min. Earth dist.	-12424 Jun 11 j 03:03	24°♈03'53	0.66322 AU	minimum elong	-12423 May 27 j 08:35	5°♈54'12	3°09'59
inferior conj	-12424 Jun 12 j 09:21	22°♈26'56	-2°45'57	morning rise	-12423 Jun 02 j 04:09	0°♈19'54	
minimum elong	-12424 Jun 12 j 11:34	22°♈19'50	2°45'35		-12423 Jun 02 j 19:42	30°♈	
morning rise	-12424 Jun 18 j 00:24	16°♈32'52		direct	-12423 Jun 05 j 06:21	29°♈26'35	
direct	-12424 Jun 21 j 09:40	15°♈26'27			-12423 Jun 07 j 17:59	0°♈	
asc. node	-12424 Jun 23 j 02:05	15°♈42'07		asc. node	-12423 Jun 09 j 22:50	1°♈20'52	
morning max el	-12424 Jun 28 j 12:27	19°♈30'50	19°20'06	morning max el	-12423 Jun 11 j 21:52	3°♈06'31	18°36'40
	-12424 Jul 06 j 15:05	0°♈			-12423 Jun 30 j 01:22	0°♈	
morning set	-12424 Jul 21 j 21:50	23°♈41'05		morning set	-12423 Jul 02 j 03:21	3°♈24'09	
	-12424 Jul 25 j 21:58	0°♈					
max. Earth dist.	-12424 Aug 05 j 03:07	16°♈08'00	1.44443 AU	superior conj	-12423 Jul 17 j 05:25	27°♈40'46	1°00'49
				minimum elong	-12423 Jul 17 j 11:42	28°♈05'41	1°00'31

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12423 Jul 18 j 16:32	0°♄		max. Earth dist.	-12422 Jul 01 j 11:01	14°♄10'29	1.43930 AU
max. Earth dist.	-12423 Jul 18 j 20:02	0°♄13'53	1.44534 AU		-12422 Jul 11 j 11:44	0°♄	
desc. node	-12423 Jul 28 j 02:34	14°♄53'03		evening rise	-12422 Jul 13 j 01:16	2°♄26'04	
evening rise	-12423 Aug 02 j 16:41	23°♄42'52		desc. node	-12422 Jul 15 j 00:01	5°♄27'19	
	-12423 Aug 06 j 16:08	0°♄			-12422 Jul 31 j 07:59	0°♄	
evening max el	-12423 Aug 25 j 08:51	26°♄54'10	19°13'07	evening max el	-12422 Aug 08 j 14:18	10°♄22'56	20°07'59
	-12423 Aug 29 j 05:12	0°♄		retrograde	-12422 Aug 16 j 06:01	14°♄49'39	
retrograde	-12423 Sep 01 j 09:20	0°♄54'01		evening set	-12422 Aug 19 j 21:20	13°♄33'05	
	-12423 Sep 04 j 10:45	30°♄		asc. node	-12422 Aug 23 j 20:43	9°♄29'35	
evening set	-12423 Sep 04 j 14:33	29°♄54'17		inferior conj	-12422 Aug 25 j 08:49	7°♄31'46	0°28'13
asc. node	-12423 Sep 05 j 23:45	28°♄52'59		minimum elong	-12422 Aug 25 j 08:10	7°♄33'55	0°28'40
inferior conj	-12423 Sep 10 j 08:08	24°♄02'57	1°20'17	min. Earth dist.	-12422 Aug 26 j 06:27	6°♄19'55	0.66483 AU
minimum elong	-12423 Sep 10 j 06:17	24°♄08'45	1°20'22	morning rise	-12422 Aug 30 j 18:45	1°♄11'00	
min. Earth dist.	-12423 Sep 11 j 17:05	22°♄19'15	0.65665 AU		-12422 Sep 01 j 09:02	30°♄	
morning rise	-12423 Sep 15 j 21:37	17°♄46'47		direct	-12422 Sep 05 j 09:39	28°♄47'32	
direct	-12423 Sep 22 j 02:24	15°♄10'08			-12422 Sep 09 j 19:50	0°♄	
morning max el	-12423 Oct 04 j 17:23	22°♄30'50	26°14'34	morning max el	-12422 Sep 17 j 03:21	5°♄46'08	25°02'55
	-12423 Oct 11 j 09:50	0°♄			-12422 Oct 05 j 23:36	0°♄	
desc. node	-12423 Oct 24 j 01:26	17°♄28'33		desc. node	-12422 Oct 10 j 22:14	7°♄31'14	
	-12423 Oct 31 j 22:00	0°♄		morning set	-12422 Oct 23 j 01:18	27°♄41'55	
morning set	-12423 Nov 09 j 15:59	15°♄26'36			-12422 Oct 24 j 08:16	0°♄	
max. Earth dist.	-12423 Nov 13 j 19:56	23°♄22'47	1.35661 AU	max. Earth dist.	-12422 Oct 26 j 23:00	4°♄45'38	1.37373 AU
	-12423 Nov 17 j 04:01	0°♄					
				superior conj	-12422 Nov 02 j 05:51	16°♄43'48	-1°37'10
superior conj	-12423 Nov 18 j 15:51	3°♄01'35	-1°34'32	minimum elong	-12422 Nov 02 j 05:33	16°♄42'19	1°36'38
minimum elong	-12423 Nov 18 j 16:52	3°♄06'46	1°34'09		-12422 Nov 08 j 21:26	0°♄	
evening rise	-12423 Nov 26 j 07:40	18°♄50'07		evening rise	-12422 Nov 10 j 11:20	3°♄10'19	
	-12423 Dec 01 j 23:16	0°♄		asc. node	-12422 Nov 19 j 19:24	20°♄35'01	
asc. node	-12423 Dec 02 j 22:03	1°♄45'11			-12422 Nov 26 j 18:18	0°♄	
evening max el	-12423 Dec 15 j 03:29	19°♄00'26	20°33'14	evening max el	-12422 Nov 27 j 17:11	0°♄56'54	19°26'50
retrograde	-12423 Dec 25 j 21:32	24°♄03'18		retrograde	-12422 Dec 06 j 22:47	5°♄19'16	
evening set	-12423 Dec 28 j 14:10	23°♄45'36		evening set	-12422 Dec 09 j 11:33	5°♄01'01	
inferior conj	-12422 Jan 06 j 07:58	19°♄45'50	3°11'59	inferior conj	-12422 Dec 17 j 17:52	0°♄51'06	4°03'53
minimum elong	-12422 Jan 06 j 13:42	19°♄37'19	3°10'29	minimum elong	-12422 Dec 17 j 21:06	0°♄45'45	4°03'33
min. Earth dist.	-12422 Jan 07 j 20:47	18°♄51'18	0.55816 AU		-12422 Dec 19 j 00:40	30°♄	
morning rise	-12422 Jan 15 j 11:45	15°♄22'37		min. Earth dist.	-12422 Dec 20 j 10:21	29°♄04'58	0.56934 AU
direct	-12422 Jan 19 j 00:43	14°♄55'03		morning rise	-12422 Dec 26 j 04:30	26°♄03'53	
desc. node	-12422 Jan 20 j 03:27	14°♄57'52		direct	-12422 Dec 31 j 01:58	25°♄09'09	
morning max el	-12422 Feb 01 j 08:50	21°♄29'06	23°03'35	desc. node	-12421 Jan 07 j 00:05	26°♄58'41	
	-12422 Feb 08 j 14:49	0°♄			-12421 Jan 11 j 12:45	0°♄	
morning set	-12422 Feb 24 j 04:38	27°♄43'29		morning max el	-12421 Jan 13 j 23:54	2°♄10'43	24°39'56
	-12422 Feb 25 j 06:38	0°♄			-12421 Feb 02 j 07:30	0°♄	
asc. node	-12422 Feb 28 j 19:36	7°♄32'19		morning set	-12421 Feb 08 j 17:06	12°♄48'03	
superior conj	-12422 Mar 03 j 08:19	12°♄56'25	0°23'33	superior conj	-12421 Feb 15 j 16:59	27°♄50'21	0°00'04
minimum elong	-12422 Mar 03 j 07:20	12°♄51'10	0°22'39	minimum elong	-12421 Feb 15 j 17:00	27°♄50'28	0°00'34
max. Earth dist.	-12422 Mar 05 j 19:41	18°♄09'41	1.33956 AU	behind sun begin	-12421 Feb 15 j 11:55	27°♄22'56	
evening rise	-12422 Mar 11 j 03:32	29°♄00'49		behind sun end	-12421 Feb 15 j 22:06	28°♄17'58	
	-12422 Mar 11 j 15:33	0°♄		asc. node	-12421 Feb 15 j 16:48	27°♄49'18	
	-12422 Mar 28 j 22:32	0°♄			-12421 Feb 16 j 17:00	0°♄	
evening max el	-12422 Apr 14 j 03:46	20°♄33'02	27°23'15	max. Earth dist.	-12421 Feb 17 j 03:04	0°♄54'10	1.33241 AU
desc. node	-12422 Apr 18 j 03:28	24°♄03'13		evening rise	-12421 Feb 23 j 02:45	13°♄27'07	
retrograde	-12422 Apr 27 j 18:58	28°♄08'42			-12421 Mar 03 j 19:26	0°♄	
evening set	-12422 May 04 j 17:04	25°♄29'22			-12421 Mar 24 j 09:58	0°♄	
min. Earth dist.	-12422 May 08 j 09:36	22°♄03'52	0.63884 AU	evening max el	-12421 Mar 27 j 12:12	3°♄12'37	27°23'37
inferior conj	-12422 May 10 j 20:44	19°♄23'33	-3°22'51	desc. node	-12421 Apr 05 j 00:42	9°♄28'14	
minimum elong	-12422 May 10 j 21:28	19°♄21'34	3°23'19	retrograde	-12421 Apr 10 j 10:54	10°♄46'39	
morning rise	-12422 May 17 j 02:41	14°♄00'46		evening set	-12421 Apr 17 j 06:42	8°♄28'09	
direct	-12422 May 19 j 23:11	13°♄18'47		min. Earth dist.	-12421 Apr 20 j 23:58	5°♄26'27	0.62125 AU
morning max el	-12422 May 26 j 10:46	16°♄44'35	18°10'32	inferior conj	-12421 Apr 24 j 00:03	2°♄32'30	-3°21'03
asc. node	-12422 May 27 j 19:36	18°♄12'49		minimum elong	-12421 Apr 23 j 23:13	2°♄34'30	3°21'41
	-12422 Jun 04 j 23:14	0°♄			-12421 Apr 26 j 18:20	30°♄	
morning set	-12422 Jun 13 j 10:09	14°♄17'36		morning rise	-12421 Apr 30 j 17:18	27°♄28'05	
	-12422 Jun 22 j 17:54	0°♄		direct	-12421 May 03 j 08:57	26°♄55'51	
					-12421 May 09 j 16:54	0°♄	
superior conj	-12422 Jun 26 j 16:06	6°♄26'43	1°32'13	morning max el	-12421 May 10 j 00:39	0°♄18'34	18°02'32
minimum elong	-12422 Jun 26 j 21:40	6°♄49'21	1°31'54	asc. node	-12421 May 14 j 16:21	6°♄01'53	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12421 May 26 j 15:43	26° \approx 16'03		superior conj	-12420 May 18 j 17:21	27° \approx 42'19	1°47'42
	-12421 May 28 j 17:53	0° \mathbb{H}		minimum elong	-12420 May 18 j 16:04	27° \approx 36'35	1°47'15
					-12420 May 20 j 00:16	0° \mathbb{H}	
superior conj	-12421 Jun 07 j 03:31	16° \mathbb{H} 25'11	1°47'13	max. Earth dist.	-12420 May 26 j 02:26	10° \mathbb{H} 33'10	1.41068 AU
minimum elong	-12421 Jun 07 j 05:24	16° \mathbb{H} 33'10	1°46'59	evening rise	-12420 May 31 j 16:09	19° \mathbb{H} 47'34	
max. Earth dist.	-12421 Jun 13 j 21:25	27° \mathbb{H} 40'33	1.42717 AU		-12420 Jun 07 j 02:13	0° \mathbb{Y}	
	-12421 Jun 15 j 07:39	0° \mathbb{Y}		desc. node	-12420 Jun 17 j 19:05	16° \mathbb{Y} 03'53	
evening rise	-12421 Jun 22 j 01:28	10° \mathbb{Y} 45'37			-12420 Jun 28 j 00:00	0° \mathbb{B}	
desc. node	-12421 Jul 01 j 21:32	25° \mathbb{Y} 52'33		evening max el	-12420 Jul 04 j 05:04	7° \mathbb{B} 09'10	22°34'55
	-12421 Jul 04 j 15:49	0° \mathbb{B}		retrograde	-12420 Jul 13 j 20:41	12° \mathbb{B} 52'35	
evening max el	-12421 Jul 22 j 13:02	23° \mathbb{B} 48'03	21°16'31	evening set	-12420 Jul 18 j 14:00	10° \mathbb{B} 54'57	
retrograde	-12421 Jul 31 j 02:20	28° \mathbb{B} 50'11		inferior conj	-12420 Jul 23 j 19:17	4° \mathbb{B} 41'56	-1°09'10
evening set	-12421 Aug 04 j 05:49	27° \mathbb{B} 13'55		minimum elong	-12420 Jul 23 j 20:38	4° \mathbb{B} 37'15	1°08'15
inferior conj	-12421 Aug 09 j 13:10	21° \mathbb{B} 05'33	-0°22'06	min. Earth dist.	-12420 Jul 23 j 19:38	4° \mathbb{B} 40'42	0.67233 AU
minimum elong	-12421 Aug 09 j 13:37	21° \mathbb{B} 03'59	0°21'21		-12420 Jul 27 j 11:09	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-12421 Aug 10 j 00:07	20° \mathbb{B} 27'59	0.67005 AU	asc. node	-12420 Jul 27 j 14:24	29° \mathbb{Y} 51'13	
asc. node	-12421 Aug 10 j 17:35	19° \mathbb{B} 28'37		morning rise	-12420 Jul 29 j 03:10	28° \mathbb{Y} 24'09	
morning rise	-12421 Aug 14 j 21:16	14° \mathbb{B} 44'19		direct	-12420 Aug 02 j 14:46	26° \mathbb{Y} 35'46	
direct	-12421 Aug 19 j 22:05	12° \mathbb{B} 37'43			-12420 Aug 09 j 16:02	0° \mathbb{B}	
morning max el	-12421 Aug 30 j 13:29	19° \mathbb{B} 01'43	23°41'04	morning max el	-12420 Aug 12 j 02:13	2° \mathbb{B} 17'45	22°17'33
	-12421 Sep 08 j 18:45	0° \mathbb{II}			-12420 Sep 01 j 19:49	0° \mathbb{II}	
desc. node	-12421 Sep 27 j 19:08	27° \mathbb{II} 50'49		morning set	-12420 Sep 13 j 19:44	18° \mathbb{II} 35'51	
	-12421 Sep 29 j 03:26	0° \mathbb{S}		desc. node	-12420 Sep 13 j 16:09	18° \mathbb{II} 21'25	
morning set	-12421 Oct 04 j 11:41	8° \mathbb{S} 47'26		max. Earth dist.	-12420 Sep 19 j 23:03	28° \mathbb{II} 40'20	1.41270 AU
max. Earth dist.	-12421 Oct 08 j 21:39	16° \mathbb{S} 22'15	1.39325 AU		-12420 Sep 20 j 18:00	0° \mathbb{S}	
superior conj	-12421 Oct 16 j 06:28	29° \mathbb{S} 42'15	-1°31'39	superior conj	-12420 Sep 27 j 12:23	11° \mathbb{S} 41'49	-1°15'45
minimum elong	-12421 Oct 16 j 04:24	29° \mathbb{S} 32'38	1°30'51	minimum elong	-12420 Sep 27 j 08:42	11° \mathbb{S} 25'28	1°14'40
	-12421 Oct 16 j 10:16	0° \mathbb{O}		evening rise	-12420 Oct 07 j 19:16	0° \mathbb{O} 29'26	
evening rise	-12421 Oct 25 j 08:14	17° \mathbb{O} 06'12			-12420 Oct 07 j 12:56	0° \mathbb{O}	
	-12421 Nov 01 j 05:11	0° \mathbb{P}		asc. node	-12420 Oct 23 j 14:02	25° \mathbb{O} 56'12	
asc. node	-12421 Nov 06 j 16:44	8° \mathbb{P} 43'14		evening max el	-12420 Oct 24 j 00:01	26° \mathbb{O} 21'31	18°13'49
evening max el	-12421 Nov 10 j 16:48	13° \mathbb{P} 26'36	18°40'14	retrograde	-12420 Oct 31 j 04:20	29° \mathbb{O} 59'25	
retrograde	-12421 Nov 18 j 16:55	17° \mathbb{P} 20'23		evening set	-12420 Nov 02 j 15:50	29° \mathbb{O} 34'15	
evening set	-12421 Nov 21 j 04:18	16° \mathbb{P} 59'26		inferior conj	-12420 Nov 09 j 20:58	24° \mathbb{O} 43'23	4°01'01
inferior conj	-12421 Nov 28 j 21:58	12° \mathbb{P} 30'27	4°17'10	minimum elong	-12420 Nov 09 j 17:56	24° \mathbb{O} 50'02	4°01'05
minimum elong	-12421 Nov 28 j 21:26	12° \mathbb{P} 31'27	4°17'23	min. Earth dist.	-12420 Nov 12 j 23:20	22° \mathbb{O} 01'36	0.60405 AU
min. Earth dist.	-12421 Dec 02 j 02:05	10° \mathbb{P} 06'46	0.58568 AU	morning rise	-12420 Nov 16 j 18:36	19° \mathbb{O} 13'51	
morning rise	-12421 Dec 06 j 12:42	7° \mathbb{P} 20'49		direct	-12420 Nov 23 j 14:25	17° \mathbb{O} 07'21	
direct	-12421 Dec 12 j 15:10	5° \mathbb{P} 49'10		morning max el	-12420 Dec 07 j 13:35	24° \mathbb{O} 29'34	27°05'25
desc. node	-12421 Dec 24 j 20:40	11° \mathbb{P} 25'43		desc. node	-12420 Dec 10 j 17:14	27° \mathbb{O} 45'03	
morning max el	-12421 Dec 26 j 15:54	13° \mathbb{P} 03'51	26°05'04		-12420 Dec 12 j 16:17	0° \mathbb{P}	
	-12420 Jan 09 j 00:55	0° \mathbb{A}			-12419 Jan 01 j 03:10	0° \mathbb{A}	
morning set	-12420 Jan 24 j 04:56	27° \mathbb{A} 51'44		morning set	-12419 Jan 07 j 14:16	12° \mathbb{A} 46'57	
	-12420 Jan 25 j 05:17	0° \mathbb{M}		max. Earth dist.	-12419 Jan 14 j 04:48	26° \mathbb{A} 55'27	1.32806 AU
superior conj	-12420 Jan 31 j 04:09	12° \mathbb{M} 52'49	-0°22'35	superior conj	-12419 Jan 14 j 16:02	27° \mathbb{A} 56'47	-0°43'42
minimum elong	-12420 Jan 31 j 05:03	12° \mathbb{M} 57'48	0°22'55	minimum elong	-12419 Jan 14 j 17:38	28° \mathbb{A} 05'27	0°43'46
max. Earth dist.	-12420 Jan 31 j 15:20	13° \mathbb{M} 53'54	1.32863 AU		-12419 Jan 15 j 14:36	0° \mathbb{M}	
asc. node	-12420 Feb 02 j 14:04	18° \mathbb{M} 07'53		asc. node	-12419 Jan 19 j 11:25	8° \mathbb{M} 23'20	
evening rise	-12420 Feb 07 j 08:01	28° \mathbb{M} 12'17		evening rise	-12419 Jan 21 j 17:03	13° \mathbb{M} 07'29	
	-12420 Feb 08 j 04:59	0° \mathbb{J}			-12419 Jan 30 j 08:50	0° \mathbb{J}	
	-12420 Feb 25 j 05:36	0° \mathbb{Z}		evening max el	-12419 Feb 18 j 15:02	26° \mathbb{J} 46'47	25°48'13
evening max el	-12420 Mar 08 j 16:25	15° \mathbb{Z} 18'15	26°51'03		-12419 Feb 22 j 10:00	0° \mathbb{Z}	
desc. node	-12420 Mar 21 j 21:50	22° \mathbb{Z} 42'45		retrograde	-12419 Mar 04 j 17:01	4° \mathbb{Z} 00'18	
retrograde	-12420 Mar 22 j 18:53	22° \mathbb{Z} 44'46		desc. node	-12419 Mar 08 j 18:49	3° \mathbb{Z} 19'56	
evening set	-12420 Mar 29 j 03:08	20° \mathbb{Z} 57'39		evening set	-12419 Mar 10 j 04:47	2° \mathbb{Z} 47'34	
min. Earth dist.	-12420 Apr 02 j 05:46	18° \mathbb{Z} 06'19	0.60169 AU	min. Earth dist.	-12419 Mar 15 j 04:24	29° \mathbb{Z} 52'52	0.58236 AU
inferior conj	-12420 Apr 05 j 13:17	15° \mathbb{Z} 18'43	-2°59'25		-12419 Mar 15 j 00:19	30° \mathbb{R} \mathbb{J}	
minimum elong	-12420 Apr 05 j 10:43	15° \mathbb{Z} 24'10	2°59'47	inferior conj	-12419 Mar 18 j 08:54	27° \mathbb{J} 33'35	-2°11'59
morning rise	-12420 Apr 12 j 20:45	10° \mathbb{Z} 33'51		minimum elong	-12419 Mar 18 j 05:26	27° \mathbb{J} 39'56	2°11'56
direct	-12420 Apr 15 j 08:02	10° \mathbb{Z} 09'54		morning rise	-12419 Mar 26 j 09:14	23° \mathbb{J} 08'16	
morning max el	-12420 Apr 22 j 12:51	13° \mathbb{Z} 41'36	18°13'18	direct	-12419 Mar 28 j 16:11	22° \mathbb{J} 51'03	
asc. node	-12420 Apr 30 j 13:10	24° \mathbb{Z} 35'23		morning max el	-12419 Apr 05 j 20:32	26° \mathbb{J} 45'37	18°43'29
	-12420 May 03 j 15:58	0° $\mathbb{\approx}$			-12419 Apr 08 j 18:52	0° \mathbb{Z}	
morning set	-12420 May 08 j 15:24	9° $\mathbb{\approx}$ 09'19		asc. node	-12419 Apr 17 j 10:05	13° \mathbb{Z} 43'16	
				morning set	-12419 Apr 22 j 04:41	22° \mathbb{Z} 46'40	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12419 Apr 25 j 22:02	0°♊		superior conj	-12418 Apr 14 j 09:35	23°♊25'45	1°20'51
				minimum elong	-12418 Apr 14 j 06:33	23°♊10'51	1°19'47
superior conj	-12419 May 01 j 05:12	10°♊07'39	1°37'41		-12418 Apr 17 j 19:03	0°♊	
minimum elong	-12419 May 01 j 02:24	9°♊54'27	1°36'52	max. Earth dist.	-12418 Apr 20 j 04:31	4°♊30'48	1.37381 AU
max. Earth dist.	-12419 May 08 j 03:26	22°♊46'11	1.39206 AU	evening rise	-12418 Apr 24 j 05:03	11°♊51'00	
evening rise	-12419 May 12 j 09:31	0°♋09'11			-12418 May 04 j 23:11	0°♋	
	-12419 May 12 j 07:21	0°♋		desc. node	-12418 May 22 j 14:10	25°♋17'54	
	-12419 May 31 j 11:02	0°♌			-12418 May 26 j 12:15	0°♌	
desc. node	-12419 Jun 04 j 16:39	5°♌55'17		evening max el	-12418 May 30 j 01:46	3°♌49'08	25°16'18
evening max el	-12419 Jun 16 j 16:20	20°♌28'51	23°57'22	retrograde	-12418 Jun 10 j 23:30	10°♌49'12	
retrograde	-12419 Jun 27 j 12:01	26°♌53'57		evening set	-12418 Jun 16 j 21:54	8°♌13'35	
evening set	-12419 Jul 02 j 20:03	24°♌35'29		min. Earth dist.	-12418 Jun 21 j 06:56	3°♌13'07	0.66727 AU
min. Earth dist.	-12419 Jul 07 j 14:40	18°♌56'45	0.67150 AU	inferior conj	-12418 Jun 22 j 05:48	1°♌57'39	-2°28'12
inferior conj	-12419 Jul 08 j 01:25	18°♌19'59	-1°51'38	minimum elong	-12418 Jun 22 j 08:03	1°♌50'14	2°27'36
minimum elong	-12419 Jul 08 j 03:24	18°♌13'13	1°50'46		-12418 Jun 23 j 18:06	30°♌♋	
morning rise	-12419 Jul 13 j 10:43	12°♌09'05		morning rise	-12418 Jun 27 j 18:13	25°♌56'41	
asc. node	-12419 Jul 14 j 11:10	11°♌28'25		direct	-12418 Jul 01 j 08:11	24°♌42'10	
direct	-12419 Jul 17 j 10:35	10°♌38'27		asc. node	-12418 Jul 01 j 07:56	24°♌42'10	
morning max el	-12419 Jul 25 j 20:14	15°♌38'19	20°59'34	morning max el	-12418 Jul 08 j 20:40	29°♌04'54	19°52'21
	-12419 Aug 06 j 01:27	0°♍			-12418 Jul 09 j 17:21	0°♍	
morning set	-12419 Aug 24 j 05:51	27°♍23'36			-12418 Jul 30 j 14:17	0°♍	
	-12419 Aug 25 j 21:46	0°♎		morning set	-12418 Aug 03 j 09:20	5°♍54'06	
desc. node	-12419 Aug 31 j 13:19	8°♎59'09		max. Earth dist.	-12418 Aug 15 j 19:16	25°♍26'36	1.44067 AU
max. Earth dist.	-12419 Sep 02 j 06:37	11°♎46'12	1.42925 AU	desc. node	-12418 Aug 18 j 10:36	29°♍39'59	
					-12418 Aug 18 j 15:35	0°♎	
superior conj	-12419 Sep 08 j 17:54	22°♎27'52	-0°47'45	superior conj	-12418 Aug 19 j 19:38	1°♎52'55	-0°08'13
minimum elong	-12419 Sep 08 j 14:03	22°♎11'42	0°46'33	minimum elong	-12418 Aug 19 j 18:48	1°♎49'32	0°07'27
	-12419 Sep 13 j 04:04	0°♏		behind sun begin	-12418 Aug 19 j 09:06	1°♎10'28	
evening rise	-12419 Sep 20 j 16:25	13°♏10'44		behind sun end	-12418 Aug 20 j 04:29	2°♎28'40	
	-12419 Sep 30 j 09:55	0°♐		evening rise	-12418 Sep 02 j 18:20	24°♎56'27	
evening max el	-12419 Oct 07 j 12:00	9°♐34'35	18°07'03		-12418 Sep 05 j 18:09	0°♏	
asc. node	-12419 Oct 10 j 11:15	11°♐58'47		evening max el	-12418 Sep 21 j 01:45	22°♏58'50	18°19'04
retrograde	-12419 Oct 14 j 05:37	13°♐07'12		asc. node	-12418 Sep 27 j 08:23	26°♏34'39	
evening set	-12419 Oct 16 j 19:06	12°♐36'03		retrograde	-12418 Sep 27 j 16:32	26°♏35'16	
inferior conj	-12419 Oct 23 j 12:30	7°♐24'38	3°26'13	evening set	-12418 Sep 30 j 10:14	25°♏55'35	
minimum elong	-12419 Oct 23 j 08:39	7°♐34'12	3°25'59	inferior conj	-12418 Oct 06 j 17:08	20°♏26'25	2°40'54
min. Earth dist.	-12419 Oct 26 j 05:29	4°♐43'35	0.62190 AU	minimum elong	-12418 Oct 06 j 13:39	20°♏36'05	2°40'35
morning rise	-12419 Oct 29 j 21:06	1°♐37'34		min. Earth dist.	-12418 Oct 08 j 21:50	18°♏00'42	0.63762 AU
	-12419 Nov 01 j 17:25	30°♑♏		morning rise	-12418 Oct 12 j 16:16	14°♏25'10	
direct	-12419 Nov 05 j 22:24	29°♏06'32		direct	-12418 Oct 19 j 13:59	11°♏42'36	
	-12419 Nov 10 j 08:31	0°♒		morning max el	-12418 Nov 02 j 02:22	19°♏15'11	27°25'30
morning max el	-12419 Nov 19 j 17:49	6°♒35'27	27°32'40		-12418 Nov 11 j 09:46	0°♒	
desc. node	-12419 Nov 27 j 13:50	15°♒26'21		desc. node	-12418 Nov 14 j 10:29	4°♒06'18	
	-12419 Dec 07 j 16:32	0°♓			-12418 Nov 30 j 12:53	0°♓	
morning set	-12419 Dec 22 j 18:58	27°♓26'07		morning set	-12418 Dec 06 j 16:29	11°♓40'41	
	-12419 Dec 24 j 00:59	0°♈		max. Earth dist.	-12418 Dec 11 j 20:05	22°♓10'50	1.33750 AU
max. Earth dist.	-12419 Dec 28 j 15:39	9°♈45'06	1.33089 AU				
superior conj	-12419 Dec 30 j 03:00	12°♈56'07	-1°02'34	superior conj	-12418 Dec 14 j 11:16	27°♓44'45	-1°18'21
minimum elong	-12419 Dec 30 j 04:59	13°♈06'49	1°02'26	minimum elong	-12418 Dec 14 j 13:14	27°♓55'18	1°18'06
evening rise	-12418 Jan 06 j 04:00	28°♈05'48			-12418 Dec 15 j 12:35	0°♉	
asc. node	-12418 Jan 06 j 08:48	28°♈31'01		evening rise	-12418 Dec 21 j 15:11	13°♉01'29	
	-12418 Jan 07 j 01:52	0°♊		asc. node	-12418 Dec 24 j 06:11	18°♉25'56	
	-12418 Jan 24 j 12:19	0°♋			-12418 Dec 30 j 08:51	0°♊	
evening max el	-12418 Jan 31 j 09:01	7°♋46'28	24°23'29	evening max el	-12417 Jan 13 j 02:42	18°♊38'49	22°49'40
retrograde	-12418 Feb 14 j 03:38	14°♋37'50		retrograde	-12417 Jan 26 j 02:19	24°♊54'07	
evening set	-12418 Feb 18 j 13:48	13°♋53'51		evening set	-12417 Jan 29 j 13:22	24°♊27'55	
desc. node	-12418 Feb 23 j 15:43	11°♋29'56		min. Earth dist.	-12417 Feb 06 j 14:10	20°♊49'12	0.55649 AU
min. Earth dist.	-12418 Feb 24 j 22:25	10°♋43'16	0.56626 AU	inferior conj	-12417 Feb 07 j 15:11	20°♊12'47	0°44'11
inferior conj	-12418 Feb 27 j 08:45	9°♋10'24	-0°55'16	minimum elong	-12417 Feb 07 j 17:01	20°♊10'05	0°43'01
minimum elong	-12418 Feb 27 j 06:40	9°♋13'43	0°55'21	desc. node	-12417 Feb 10 j 12:32	18°♊34'48	
morning rise	-12418 Mar 08 j 02:35	5°♋01'07		morning rise	-12417 Feb 16 j 22:07	16°♊09'18	
direct	-12418 Mar 10 j 06:17	4°♋48'22		direct	-12417 Feb 19 j 04:21	15°♊57'06	
morning max el	-12418 Mar 19 j 20:39	9°♋20'47	19°33'23	morning max el	-12417 Mar 02 j 10:33	21°♊19'01	20°42'36
	-12418 Apr 02 j 14:29	0°♌			-12417 Mar 09 j 12:43	0°♋	
asc. node	-12418 Apr 04 j 07:05	3°♌16'53		morning set	-12417 Mar 21 j 09:22	21°♋33'37	
morning set	-12418 Apr 06 j 03:40	6°♌57'31		asc. node	-12417 Mar 22 j 04:09	23°♋09'49	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12417 Mar 25 j 11:36	0°♄		morning set	-12416 Mar 04 j 19:16	6°♄26'12	
				asc. node	-12416 Mar 08 j 01:15	13°♄15'37	
superior conj	-12417 Mar 29 j 01:56	7°♄23'48	1°00'00				
minimum elong	-12417 Mar 28 j 23:27	7°♄11'07	0°58'52	superior conj	-12416 Mar 12 j 02:39	21°♄49'57	0°37'06
max. Earth dist.	-12417 Apr 02 j 12:06	16°♄14'54	1.35793 AU	minimum elong	-12416 Mar 12 j 01:04	21°♄41'41	0°36'05
evening rise	-12417 Apr 06 j 21:31	24°♄39'10		max. Earth dist.	-12416 Mar 15 j 05:54	28°♄20'31	1.34533 AU
	-12417 Apr 09 j 19:29	0°♄			-12416 Mar 16 j 01:24	0°♄	
	-12417 Apr 28 j 11:36	0°♄		evening rise	-12416 Mar 20 j 05:13	8°♄15'54	
desc. node	-12417 May 09 j 11:35	14°♄00'14			-12416 Apr 01 j 08:51	0°♄	
evening max el	-12417 May 12 j 11:52	17°♄10'15	26°22'56		-12416 Apr 23 j 12:48	0°♄	
retrograde	-12417 May 25 j 06:25	24°♄32'58		evening max el	-12416 Apr 23 j 22:51	0°♄24'53	27°08'59
evening set	-12417 May 31 j 17:19	21°♄47'31		desc. node	-12416 Apr 25 j 08:56	1°♄45'38	
min. Earth dist.	-12417 Jun 04 j 18:14	17°♄26'10	0.65934 AU	retrograde	-12416 May 07 j 08:01	7°♄57'53	
inferior conj	-12417 Jun 06 j 06:26	15°♄33'21	-2°57'19	evening set	-12416 May 14 j 03:38	5°♄13'01	
minimum elong	-12417 Jun 06 j 08:31	15°♄26'50	2°57'08	min. Earth dist.	-12416 May 17 j 22:26	1°♄28'39	0.64746 AU
morning rise	-12417 Jun 11 j 23:53	9°♄45'05			-12416 May 19 j 05:27	30°♄	
direct	-12417 Jun 15 j 05:51	8°♄44'37		inferior conj	-12416 May 20 j 01:03	29°♄03'21	-3°16'58
asc. node	-12417 Jun 18 j 04:43	9°♄31'43		minimum elong	-12416 May 20 j 02:26	28°♄59'20	3°17'14
morning max el	-12417 Jun 22 j 03:10	12°♄37'48	18°59'30	morning rise	-12416 May 26 j 01:42	23°♄30'20	
	-12417 Jul 04 j 15:20	0°♄		direct	-12416 May 29 j 01:19	22°♄41'59	
morning set	-12417 Jul 14 j 01:38	15°♄00'29		asc. node	-12416 Jun 04 j 01:29	25°♄43'36	
	-12417 Jul 23 j 11:48	0°♄		morning max el	-12416 Jun 04 j 14:16	26°♄14'51	18°23'17
					-12416 Jun 07 j 19:15	0°♄	
superior conj	-12417 Jul 29 j 23:52	10°♄17'39	0°36'49	morning set	-12416 Jun 23 j 17:57	25°♄13'40	
minimum elong	-12417 Jul 30 j 04:12	10°♄34'46	0°36'47		-12416 Jun 26 j 15:01	0°♄	
max. Earth dist.	-12417 Jul 29 j 10:58	9°♄26'34	1.44563 AU				
desc. node	-12417 Aug 05 j 07:57	20°♄20'49		superior conj	-12416 Jul 08 j 01:51	18°♄37'33	1°16'03
	-12417 Aug 11 j 08:51	0°♄		minimum elong	-12416 Jul 08 j 08:27	19°♄03'56	1°15'41
evening rise	-12417 Aug 14 j 19:21	5°♄32'09		max. Earth dist.	-12416 Jul 11 j 03:21	23°♄30'35	1.44360 AU
	-12417 Aug 30 j 09:18	0°♄			-12416 Jul 15 j 05:44	0°♄	
evening max el	-12417 Sep 04 j 14:22	6°♄28'36	18°48'43	desc. node	-12416 Jul 22 j 05:21	10°♄58'38	
retrograde	-12417 Sep 11 j 09:19	10°♄17'11		evening rise	-12416 Jul 24 j 17:01	14°♄52'08	
evening set	-12417 Sep 14 j 09:41	9°♄25'48			-12416 Aug 03 j 10:38	0°♄	
asc. node	-12417 Sep 14 j 05:27	9°♄31'36		greatest brilliancy	-12416 Aug 04 j 12:29	1°♄38'58	-0.7m
inferior conj	-12417 Sep 20 j 07:38	3°♄41'57	1°50'22	evening max el	-12416 Aug 17 j 23:11	19°♄59'18	19°34'46
minimum elong	-12417 Sep 20 j 05:07	3°♄49'34	1°50'13	retrograde	-12416 Aug 25 j 05:12	24°♄09'04	
min. Earth dist.	-12417 Sep 21 j 23:41	1°♄41'03	0.65056 AU	evening set	-12416 Aug 28 j 14:31	23°♄02'31	
	-12417 Sep 23 j 10:49	30°♄		asc. node	-12416 Aug 31 j 02:27	20°♄52'29	
morning rise	-12417 Sep 26 j 00:01	27°♄30'11		inferior conj	-12416 Sep 03 j 05:16	17°♄06'49	0°58'07
direct	-12417 Oct 02 j 12:09	24°♄48'23		minimum elong	-12416 Sep 03 j 03:57	17°♄11'07	0°58'20
	-12417 Oct 13 j 01:41	0°♄		min. Earth dist.	-12416 Sep 04 j 09:20	15°♄36'18	0.66050 AU
morning max el	-12417 Oct 15 j 12:30	2°♄16'36	26°47'37	morning rise	-12416 Sep 08 j 17:03	10°♄48'28	
desc. node	-12417 Nov 01 j 07:10	23°♄27'21		direct	-12416 Sep 14 j 16:12	8°♄16'36	
	-12417 Nov 05 j 13:59	0°♄		morning max el	-12416 Sep 26 j 22:33	15°♄28'59	25°45'57
morning set	-12417 Nov 20 j 03:23	25°♄18'49			-12416 Oct 09 j 00:08	0°♄	
	-12417 Nov 22 j 13:30	0°♄		desc. node	-12416 Oct 18 j 03:56	13°♄17'38	
max. Earth dist.	-12417 Nov 24 j 14:49	4°♄04'51	1.34836 AU		-12416 Oct 28 j 09:35	0°♄	
				morning set	-12416 Nov 01 j 23:28	8°♄08'05	
superior conj	-12417 Nov 28 j 14:36	12°♄14'33	-1°30'07	max. Earth dist.	-12416 Nov 05 j 22:59	15°♄33'27	1.36348 AU
minimum elong	-12417 Nov 28 j 16:08	12°♄22'27	1°29'46				
evening rise	-12417 Dec 06 j 00:53	27°♄47'50		superior conj	-12416 Nov 11 j 10:26	26°♄17'06	-1°36'32
	-12417 Dec 07 j 02:32	0°♄		minimum elong	-12416 Nov 11 j 10:57	26°♄19'44	1°36'06
asc. node	-12417 Dec 11 j 03:33	8°♄01'31			-12416 Nov 13 j 06:35	0°♄	
evening max el	-12417 Dec 26 j 01:27	29°♄45'50	21°19'32	evening rise	-12416 Nov 19 j 07:20	12°♄19'25	
	-12417 Dec 26 j 07:35	0°♄		asc. node	-12416 Nov 27 j 00:54	27°♄10'28	
retrograde	-12416 Jan 06 j 16:54	5°♄14'40			-12416 Nov 28 j 16:49	0°♄	
evening set	-12416 Jan 09 j 13:55	4°♄55'47		evening max el	-12416 Dec 07 j 09:11	11°♄22'25	20°02'43
inferior conj	-12416 Jan 18 j 12:50	0°♄56'01	2°24'38	retrograde	-12416 Dec 17 j 10:51	16°♄06'20	
minimum elong	-12416 Jan 18 j 18:14	0°♄48'17	2°22'47	evening set	-12416 Dec 20 j 01:41	15°♄48'36	
min. Earth dist.	-12416 Jan 19 j 04:19	0°♄33'49	0.55511 AU	inferior conj	-12416 Dec 28 j 14:53	11°♄46'05	3°38'58
	-12416 Jan 20 j 04:06	30°♄		minimum elong	-12416 Dec 28 j 19:56	11°♄38'16	3°37'56
morning rise	-12416 Jan 27 j 21:48	26°♄43'36		min. Earth dist.	-12416 Dec 30 j 17:19	10°♄28'35	0.56218 AU
desc. node	-12416 Jan 28 j 09:16	26°♄38'00		morning rise	-12415 Jan 06 j 12:20	7°♄13'14	
direct	-12416 Jan 30 j 19:39	26°♄24'46		direct	-12415 Jan 10 j 15:04	6°♄35'44	
	-12416 Feb 09 j 11:08	0°♄		desc. node	-12415 Jan 14 j 05:56	7°♄05'39	
morning max el	-12416 Feb 12 j 12:56	2°♄36'02	22°08'42	morning max el	-12415 Jan 24 j 06:15	13°♄22'54	23°44'51
	-12416 Mar 01 j 15:20	0°♄			-12415 Feb 05 j 22:59	0°♄	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12415 Feb 17 j 07:20	21° \mathbb{M} 28'25		direct	-12415 Dec 22 j 20:48	16° \mathbb{M} 57'58	
	-12415 Feb 21 j 07:27	0° \mathbb{X}		desc. node	-12414 Jan 01 j 02:32	20° \mathbb{M} 11'47	
asc. node	-12415 Feb 22 j 22:24	3° \mathbb{X} 29'38		morning max el	-12414 Jan 05 j 20:57	24° \mathbb{M} 05'45	25°18'33
					-12414 Jan 11 j 06:18	0° \mathbb{A}	
superior conj	-12415 Feb 24 j 09:02	6° \mathbb{X} 35'41	0°13'33		-12414 Jan 29 j 15:07	0° \mathbb{M}	
minimum elong	-12415 Feb 24 j 08:29	6° \mathbb{X} 32'44	0°12'45	morning set	-12414 Feb 01 j 19:48	6° \mathbb{M} 33'47	
behind sun begin	-12415 Feb 24 j 05:25	6° \mathbb{X} 16'16					
behind sun end	-12415 Feb 24 j 11:33	6° \mathbb{X} 49'12		superior conj	-12414 Feb 08 j 18:59	21° \mathbb{M} 34'09	-0°09'41
max. Earth dist.	-12415 Feb 26 j 09:17	10° \mathbb{X} 53'04	1.33621 AU	minimum elong	-12414 Feb 08 j 19:25	21° \mathbb{M} 36'26	0°10'12
evening rise	-12415 Mar 03 j 23:47	22° \mathbb{X} 27'17		behind sun begin	-12414 Feb 08 j 15:32	21° \mathbb{M} 15'22	
	-12415 Mar 07 j 20:46	0° \mathbb{Z}		behind sun end	-12414 Feb 08 j 23:17	21° \mathbb{M} 57'30	
	-12415 Mar 26 j 04:08	0° \approx		asc. node	-12414 Feb 09 j 19:37	23° \mathbb{M} 47'49	
evening max el	-12415 Apr 06 j 08:56	13° \approx 20'45	27°27'20	max. Earth dist.	-12414 Feb 09 j 19:21	23° \mathbb{M} 46'22	1.33040 AU
desc. node	-12415 Apr 12 j 06:14	18° \approx 10'35			-12414 Feb 12 j 16:55	0° \mathbb{X}	
retrograde	-12415 Apr 20 j 03:29	20° \approx 55'28		evening rise	-12414 Feb 16 j 01:53	7° \mathbb{X} 02'41	
evening set	-12415 Apr 27 j 01:45	18° \approx 23'41			-12414 Feb 28 j 10:02	0° \mathbb{Z}	
min. Earth dist.	-12415 Apr 30 j 17:55	15° \approx 09'43	0.63178 AU	evening max el	-12414 Mar 19 j 15:45	25° \mathbb{Z} 46'47	27°13'40
inferior conj	-12415 May 03 j 10:51	12° \approx 21'51	-3°24'11		-12414 Mar 24 j 17:12	0° \approx	
minimum elong	-12415 May 03 j 10:59	12° \approx 21'31	3°24'45	desc. node	-12414 Mar 30 j 03:26	2° \approx 45'01	
morning rise	-12415 May 09 j 21:15	7° \approx 06'32		retrograde	-12414 Apr 02 j 16:09	3° \approx 18'08	
direct	-12415 May 12 j 15:43	6° \approx 28'42		evening set	-12414 Apr 09 j 08:28	1° \approx 11'43	
morning max el	-12415 May 19 j 03:50	9° \approx 51'30	18°04'51		-12414 Apr 11 j 01:54	30° \mathbb{R} \mathbb{Z}	
asc. node	-12415 May 21 j 22:14	13° \approx 01'25		min. Earth dist.	-12414 Apr 13 j 04:19	28° \mathbb{Z} 16'33	0.61311 AU
	-12415 Jun 01 j 15:53	0° \mathbb{H}		inferior conj	-12414 Apr 16 j 08:40	25° \mathbb{Z} 22'30	-3°14'41
morning set	-12415 Jun 05 j 10:59	6° \mathbb{H} 36'10		minimum elong	-12414 Apr 16 j 07:05	25° \mathbb{Z} 26'09	3°15'15
				morning rise	-12414 Apr 23 j 07:38	20° \mathbb{Z} 26'35	
superior conj	-12415 Jun 17 j 22:05	27° \mathbb{H} 51'11	1°40'35	direct	-12414 Apr 25 j 21:30	19° \mathbb{Z} 58'00	
minimum elong	-12415 Jun 18 j 02:12	28° \mathbb{H} 08'12	1°40'21	morning max el	-12414 May 02 j 17:27	23° \mathbb{Z} 22'34	18°04'50
	-12415 Jun 19 j 05:17	0° \mathbb{Y}			-12414 May 08 j 00:18	0° \approx	
max. Earth dist.	-12415 Jun 23 j 17:13	7° \mathbb{Y} 19'52	1.43484 AU	asc. node	-12414 May 08 j 19:02	1° \approx 11'09	
evening rise	-12415 Jul 03 j 19:19	23° \mathbb{Y} 17'48		morning set	-12414 May 19 j 00:55	18° \approx 59'50	
	-12415 Jul 08 j 03:27	0° \mathbb{B}			-12414 May 25 j 02:45	0° \mathbb{H}	
desc. node	-12415 Jul 09 j 02:51	1° \mathbb{B} 29'41					
	-12415 Jul 29 j 00:14	0° \mathbb{I}		superior conj	-12414 May 29 j 21:13	8° \mathbb{H} 24'49	1°48'59
evening max el	-12415 Aug 01 j 01:54	3° \mathbb{I} 26'38	20°35'40	minimum elong	-12414 May 29 j 21:34	8° \mathbb{H} 26'21	1°48'41
retrograde	-12415 Aug 09 j 01:53	8° \mathbb{I} 07'06		max. Earth dist.	-12414 Jun 06 j 01:45	20° \mathbb{H} 36'50	1.42057 AU
evening set	-12415 Aug 12 j 22:15	6° \mathbb{I} 42'14			-12414 Jun 11 j 20:06	0° \mathbb{Y}	
asc. node	-12415 Aug 17 j 23:23	1° \mathbb{I} 05'41		evening rise	-12414 Jun 12 j 23:18	1° \mathbb{Y} 48'29	
inferior conj	-12415 Aug 18 j 07:44	0° \mathbb{I} 37'33	0°06'32	desc. node	-12414 Jun 26 j 00:25	21° \mathbb{Y} 50'00	
minimum elong	-12415 Aug 18 j 07:34	0° \mathbb{I} 38'05	0°07'07		-12414 Jul 01 j 15:28	0° \mathbb{B}	
transit middle	-12415 Aug 18 j 07:34	0° \mathbb{I} 38'05	0°07'07	evening max el	-12414 Jul 14 j 21:35	16° \mathbb{B} 49'33	21°48'49
transit begin	-12415 Aug 18 j 05:06	0° \mathbb{I} 46'24		retrograde	-12414 Jul 23 j 21:39	22° \mathbb{B} 09'05	
transit end	-12415 Aug 18 j 10:02	0° \mathbb{I} 29'46		evening set	-12414 Jul 28 j 06:53	20° \mathbb{B} 23'39	
	-12415 Aug 18 j 18:51	30° \mathbb{R} \mathbb{B}		inferior conj	-12414 Aug 02 j 13:04	14° \mathbb{B} 12'43	-0°42'35
min. Earth dist.	-12415 Aug 19 j 00:41	29° \mathbb{B} 40'19	0.66743 AU	minimum elong	-12414 Aug 02 j 13:56	14° \mathbb{B} 09'43	0°41'44
morning rise	-12415 Aug 23 j 16:42	24° \mathbb{B} 16'22		min. Earth dist.	-12414 Aug 02 j 19:27	13° \mathbb{B} 50'41	0.67141 AU
direct	-12415 Aug 29 j 01:33	21° \mathbb{B} 59'59		asc. node	-12414 Aug 04 j 20:15	11° \mathbb{B} 07'15	
morning max el	-12415 Sep 09 j 08:23	28° \mathbb{B} 44'28	24°28'53	morning rise	-12414 Aug 07 j 20:53	7° \mathbb{B} 52'30	
	-12415 Sep 10 j 13:29	0° \mathbb{I}		direct	-12414 Aug 12 j 15:49	5° \mathbb{B} 53'54	
	-12415 Oct 02 j 19:22	0° \mathbb{G}		morning max el	-12414 Aug 22 j 19:30	12° \mathbb{B} 00'43	23°05'14
desc. node	-12415 Oct 05 j 00:46	3° \mathbb{G} 28'04			-12414 Sep 06 j 01:42	0° \mathbb{I}	
morning set	-12415 Oct 14 j 23:33	19° \mathbb{G} 54'19		desc. node	-12414 Sep 21 j 21:44	23° \mathbb{I} 52'49	
max. Earth dist.	-12415 Oct 18 j 23:41	26° \mathbb{G} 59'24	1.38192 AU	morning set	-12414 Sep 25 j 22:50	0° \mathbb{G} 26'47	
	-12415 Oct 20 j 15:24	0° \mathbb{Q}			-12414 Sep 25 j 16:20	0° \mathbb{G}	
				max. Earth dist.	-12414 Sep 30 j 22:57	8° \mathbb{G} 51'45	1.40171 AU
superior conj	-12415 Oct 25 j 19:14	9° \mathbb{Q} 41'40	-1°35'57				
minimum elong	-12415 Oct 25 j 18:14	9° \mathbb{Q} 36'48	1°35'19	superior conj	-12414 Oct 08 j 12:32	22° \mathbb{G} 16'09	-1°26'17
evening rise	-12415 Nov 03 j 08:25	26° \mathbb{Q} 29'46		minimum elong	-12414 Oct 08 j 09:43	22° \mathbb{G} 03'14	1°25'22
	-12415 Nov 05 j 03:11	0° \mathbb{M}			-12414 Oct 12 j 16:33	0° \mathbb{Q}	
asc. node	-12415 Nov 13 j 22:14	15° \mathbb{M} 43'39		evening rise	-12414 Oct 18 j 01:33	10° \mathbb{Q} 12'31	
evening max el	-12415 Nov 20 j 03:08	23° \mathbb{M} 32'32	19°04'29		-12414 Oct 29 j 06:10	0° \mathbb{M}	
retrograde	-12415 Nov 28 j 19:06	27° \mathbb{M} 41'32		asc. node	-12414 Oct 31 j 19:34	3° \mathbb{M} 29'51	
evening set	-12415 Dec 01 j 07:06	27° \mathbb{M} 22'17		evening max el	-12414 Nov 03 j 06:12	6° \mathbb{M} 13'05	18°26'31
inferior conj	-12415 Dec 09 j 08:00	23° \mathbb{M} 04'29	4°13'53	retrograde	-12414 Nov 10 j 20:58	9° \mathbb{M} 59'04	
minimum elong	-12415 Dec 09 j 09:36	23° \mathbb{M} 01'41	4°13'53	evening set	-12414 Nov 13 j 08:01	9° \mathbb{M} 36'40	
min. Earth dist.	-12415 Dec 12 j 07:08	21° \mathbb{M} 00'32	0.57583 AU	inferior conj	-12414 Nov 20 j 20:18	4° \mathbb{M} 58'27	4°13'15
morning rise	-12415 Dec 17 j 10:05	18° \mathbb{M} 07'31		minimum elong	-12414 Nov 20 j 18:29	5° \mathbb{M} 02'07	4°13'28

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12414 Nov 24 j 00:58	2° \mathbb{M} 24'21	0.59333 AU	minimum elong	-12413 Nov 02 j 23:13	17° \mathbb{Q} 33'02	3°47'54
	-12414 Nov 27 j 12:43	30° \mathbb{R} \mathbb{Q}		min. Earth dist.	-12413 Nov 06 j 01:57	14° \mathbb{Q} 40'50	0.61180 AU
morning rise	-12414 Nov 28 j 03:11	29° \mathbb{Q} 39'37		morning rise	-12413 Nov 09 j 18:22	11° \mathbb{Q} 47'26	
direct	-12414 Dec 04 j 14:21	27° \mathbb{Q} 52'19		direct	-12413 Nov 16 j 17:59	9° \mathbb{Q} 28'31	
	-12414 Dec 11 j 21:10	0° \mathbb{M}		morning max el	-12413 Nov 30 j 15:48	16° \mathbb{Q} 54'25	27°21'15
morning max el	-12414 Dec 18 j 15:15	5° \mathbb{M} 11'20	26°34'36	desc. node	-12413 Dec 05 j 19:40	22° \mathbb{Q} 28'09	
desc. node	-12414 Dec 18 j 23:06	5° \mathbb{M} 30'18			-12413 Dec 11 j 15:19	0° \mathbb{M}	
	-12413 Jan 05 j 23:16	0° \mathbb{Q}			-12413 Dec 29 j 10:10	0° \mathbb{Q}	
morning set	-12413 Jan 17 j 06:48	21° \mathbb{Q} 34'45		morning set	-12412 Jan 01 j 14:26	6° \mathbb{Q} 24'15	
	-12413 Jan 21 j 05:37	0° \mathbb{M}		max. Earth dist.	-12412 Jan 07 j 21:05	19° \mathbb{Q} 45'09	1.32876 AU
superior conj	-12413 Jan 24 j 06:39	6° \mathbb{M} 37'58	-0°31'46	superior conj	-12412 Jan 08 j 18:24	21° \mathbb{Q} 41'07	-0°52'01
minimum elong	-12413 Jan 24 j 07:53	6° \mathbb{M} 44'41	0°31'59	minimum elong	-12412 Jan 08 j 20:11	21° \mathbb{Q} 50'53	0°52'00
max. Earth dist.	-12413 Jan 24 j 08:28	6° \mathbb{M} 47'51	1.32787 AU		-12412 Jan 12 j 14:06	0° \mathbb{M}	
asc. node	-12413 Jan 27 j 16:55	14° \mathbb{M} 05'30		asc. node	-12412 Jan 14 j 14:17	4° \mathbb{M} 18'21	
evening rise	-12413 Jan 31 j 08:57	21° \mathbb{M} 52'39		evening rise	-12412 Jan 15 j 19:01	6° \mathbb{M} 50'06	
	-12413 Feb 04 j 09:28	0° \mathbb{X}			-12412 Jan 28 j 02:47	0° \mathbb{X}	
	-12413 Feb 22 j 22:15	0° \mathbb{Z}		evening max el	-12412 Feb 11 j 13:49	18° \mathbb{X} 50'35	25°14'18
evening max el	-12413 Mar 01 j 17:24	7° \mathbb{Z} 35'45	26°27'42	retrograde	-12412 Feb 25 j 14:15	25° \mathbb{X} 56'17	
retrograde	-12413 Mar 15 j 20:32	14° \mathbb{Z} 58'36		evening set	-12412 Mar 01 j 15:02	24° \mathbb{X} 57'14	
desc. node	-12413 Mar 17 j 00:30	14° \mathbb{Z} 55'07		desc. node	-12412 Mar 02 j 21:27	24° \mathbb{X} 24'49	
evening set	-12413 Mar 21 j 21:01	13° \mathbb{Z} 26'00		min. Earth dist.	-12412 Mar 07 j 03:31	21° \mathbb{X} 56'53	0.57489 AU
min. Earth dist.	-12413 Mar 26 j 06:50	10° \mathbb{Z} 34'55	0.59322 AU	inferior conj	-12412 Mar 10 j 02:07	19° \mathbb{X} 55'36	-1°43'00
inferior conj	-12413 Mar 29 j 14:48	7° \mathbb{Z} 56'22	-2°42'49	minimum elong	-12412 Mar 09 j 22:53	20° \mathbb{X} 01'11	1°42'53
minimum elong	-12413 Mar 29 j 11:40	8° \mathbb{Z} 02'37	2°43'00	morning rise	-12412 Mar 18 j 09:59	15° \mathbb{X} 37'35	
morning rise	-12413 Apr 06 j 05:14	3° \mathbb{Z} 20'18		direct	-12412 Mar 20 j 15:06	15° \mathbb{X} 22'41	
direct	-12413 Apr 08 j 14:31	2° \mathbb{Z} 59'34		morning max el	-12412 Mar 29 j 09:01	19° \mathbb{X} 32'06	19°02'13
morning max el	-12413 Apr 16 j 04:12	6° \mathbb{Z} 39'14	18°23'46		-12412 Apr 06 j 07:15	0° \mathbb{Z}	
asc. node	-12413 Apr 25 j 15:54	20° \mathbb{Z} 00'26		asc. node	-12412 Apr 11 j 12:50	9° \mathbb{Z} 20'02	
	-12413 May 01 j 02:48	0° \mathbb{Q}		morning set	-12412 Apr 15 j 00:43	16° \mathbb{Z} 05'32	
morning set	-12413 May 02 j 06:54	2° \mathbb{Q} 12'59			-12412 Apr 22 j 02:47	0° \mathbb{Q}	
superior conj	-12413 May 11 j 21:08	20° \mathbb{Q} 13'03	1°44'30	superior conj	-12412 Apr 23 j 16:36	3° \mathbb{Q} 02'12	1°31'11
minimum elong	-12413 May 11 j 19:00	20° \mathbb{Q} 03'21	1°43'54	minimum elong	-12412 Apr 23 j 13:34	2° \mathbb{Q} 47'40	1°30'15
	-12413 May 17 j 08:23	0° \mathbb{X}		max. Earth dist.	-12412 Apr 30 j 04:09	15° \mathbb{Q} 06'53	1.38417 AU
max. Earth dist.	-12413 May 19 j 04:09	3° \mathbb{X} 09'59	1.40285 AU	evening rise	-12412 May 04 j 05:45	22° \mathbb{Q} 19'24	
evening rise	-12413 May 24 j 00:42	11° \mathbb{X} 22'09			-12412 May 08 j 18:09	0° \mathbb{X}	
	-12413 Jun 04 j 19:06	0° \mathbb{Y}			-12412 May 28 j 15:19	0° \mathbb{Y}	
desc. node	-12413 Jun 12 j 22:00	11° \mathbb{Y} 53'47		desc. node	-12412 May 29 j 19:32	1° \mathbb{Y} 34'03	
	-12413 Jun 27 j 07:30	0° \mathbb{X}		evening max el	-12412 Jun 08 j 21:24	13° \mathbb{Y} 29'24	24°31'57
evening max el	-12413 Jun 27 j 11:09	0° \mathbb{X} 09'13	23°09'52	retrograde	-12412 Jun 20 j 04:46	20° \mathbb{Y} 10'27	
retrograde	-12413 Jul 07 j 15:00	6° \mathbb{X} 11'27		evening set	-12412 Jun 25 j 18:56	17° \mathbb{Y} 44'22	
evening set	-12413 Jul 12 j 14:26	4° \mathbb{X} 04'50		min. Earth dist.	-12412 Jun 30 j 09:26	12° \mathbb{Y} 21'24	0.67014 AU
	-12413 Jul 16 j 05:26	30° \mathbb{R} \mathbb{Y}		inferior conj	-12412 Jul 01 j 01:05	11° \mathbb{Y} 28'29	-2°07'58
inferior conj	-12413 Jul 17 j 19:28	27° \mathbb{Y} 50'17	-1°27'51	minimum elong	-12412 Jul 01 j 03:14	11° \mathbb{Y} 21'15	2°07'12
minimum elong	-12413 Jul 17 j 21:07	27° \mathbb{Y} 44'34	1°26'55	morning rise	-12412 Jul 06 j 11:29	5° \mathbb{Y} 21'12	
min. Earth dist.	-12413 Jul 17 j 15:12	28° \mathbb{Y} 05'01	0.67235 AU	asc. node	-12412 Jul 08 j 13:51	4° \mathbb{Y} 14'05	
asc. node	-12413 Jul 22 j 17:04	21° \mathbb{Y} 57'00		direct	-12412 Jul 10 j 06:57	3° \mathbb{Y} 57'28	
morning rise	-12413 Jul 23 j 03:43	21° \mathbb{Y} 34'46		morning max el	-12412 Jul 18 j 06:49	8° \mathbb{Y} 40'44	20°29'17
direct	-12413 Jul 27 j 10:02	19° \mathbb{Y} 54'08			-12412 Aug 03 j 01:49	0° \mathbb{X}	
morning max el	-12413 Aug 05 j 10:16	25° \mathbb{Y} 18'28	21°43'14	morning set	-12412 Aug 15 j 01:13	18° \mathbb{X} 19'18	
	-12413 Aug 09 j 13:09	0° \mathbb{X}			-12412 Aug 22 j 11:27	0° \mathbb{I}	
	-12413 Aug 30 j 14:01	0° \mathbb{I}		max. Earth dist.	-12412 Aug 25 j 12:00	4° \mathbb{I} 50'15	1.43485 AU
morning set	-12413 Sep 05 j 20:27	9° \mathbb{I} 46'13		desc. node	-12412 Aug 25 j 16:04	5° \mathbb{I} 06'34	
desc. node	-12413 Sep 08 j 18:50	14° \mathbb{I} 27'11		superior conj	-12412 Aug 31 j 02:34	13° \mathbb{I} 58'08	-0°32'11
max. Earth dist.	-12413 Sep 13 j 02:15	21° \mathbb{I} 28'35	1.42020 AU	minimum elong	-12412 Aug 30 j 23:33	13° \mathbb{I} 45'44	0°31'05
	-12413 Sep 18 j 04:07	0° \mathbb{Q}			-12412 Sep 09 j 14:39	0° \mathbb{Q}	
superior conj	-12413 Sep 20 j 08:47	3° \mathbb{Q} 46'24	-1°05'23	evening rise	-12412 Sep 12 j 20:54	5° \mathbb{Q} 38'33	
minimum elong	-12413 Sep 20 j 04:44	3° \mathbb{Q} 28'52	1°04'13		-12412 Sep 27 j 22:19	0° \mathbb{Q}	
evening rise	-12413 Oct 01 j 07:16	23° \mathbb{Q} 19'29		evening max el	-12412 Sep 30 j 05:05	2° \mathbb{Q} 36'17	18°09'59
	-12413 Oct 04 j 23:24	0° \mathbb{Q}		asc. node	-12412 Oct 04 j 14:03	5° \mathbb{Q} 43'06	
evening max el	-12413 Oct 17 j 15:54	19° \mathbb{Q} 17'19	18°08'39	retrograde	-12412 Oct 06 j 20:24	6° \mathbb{Q} 09'04	
asc. node	-12413 Oct 18 j 16:51	20° \mathbb{Q} 15'20		evening set	-12412 Oct 09 j 11:31	5° \mathbb{Q} 34'31	
retrograde	-12413 Oct 24 j 14:41	22° \mathbb{Q} 51'39		inferior conj	-12412 Oct 16 j 00:17	0° \mathbb{Q} 15'18	3°07'54
evening set	-12413 Oct 27 j 02:43	22° \mathbb{Q} 24'18		minimum elong	-12412 Oct 15 j 20:29	0° \mathbb{Q} 25'12	3°07'35
inferior conj	-12413 Nov 03 j 02:47	17° \mathbb{Q} 24'47	3°47'59		-12412 Oct 16 j 06:07	30° \mathbb{R} \mathbb{Q}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12412 Oct 18 j 12:14	27° ☿ 39'23	0.62897 AU		-12411 Sep 02 j 10:52	0° ☿	
morning rise	-12412 Oct 22 j 04:30	24° ☿ 22'06		evening max el	-12411 Sep 13 j 18:43	16° ☿ 03'30	18°29'31
direct	-12412 Oct 29 j 05:24	21° ☿ 44'27		retrograde	-12411 Sep 20 j 10:16	19° ☿ 43'52	
morning max el	-12412 Nov 11 j 21:55	29° ☿ 14'53	27°33'38	asc. node	-12411 Sep 21 j 11:10	19° ☿ 37'56	
	-12412 Nov 12 j 16:12	0° Ω		evening set	-12411 Sep 23 j 06:37	18° ☿ 59'28	
desc. node	-12412 Nov 21 j 16:17	10° Ω 36'39		inferior conj	-12411 Sep 29 j 09:29	13° ☿ 23'24	2°19'51
	-12412 Dec 04 j 10:29	0° ☿		minimum elong	-12411 Sep 29 j 06:21	13° ☿ 32'24	2°19'34
morning set	-12412 Dec 15 j 16:22	20° ☿ 53'27		min. Earth dist.	-12411 Oct 01 j 08:37	11° ☿ 07'44	0.64356 AU
	-12412 Dec 20 j 02:12	0° ☿		morning rise	-12411 Oct 05 j 05:27	7° ☿ 17'20	
max. Earth dist.	-12412 Dec 21 j 05:34	2° ☿ 25'15	1.33326 AU	direct	-12411 Oct 11 j 23:38	4° ☿ 34'07	
				morning max el	-12411 Oct 25 j 07:27	12° ☿ 05'09	27°12'44
superior conj	-12412 Dec 23 j 04:25	6° ☿ 36'23	-1°09'42	desc. node	-12411 Nov 08 j 12:57	29° ☿ 35'31	
minimum elong	-12412 Dec 23 j 06:26	6° ☿ 47'17	1°09'30		-12411 Nov 08 j 19:45	0° Ω	
evening rise	-12412 Dec 30 j 06:15	21° ☿ 47'47			-12411 Nov 26 j 20:38	0° ☿	
asc. node	-12412 Dec 31 j 11:39	24° ☿ 21'01		morning set	-12411 Nov 29 j 09:47	4° ☿ 53'13	
	-12411 Jan 03 j 06:44	0° ☿		max. Earth dist.	-12411 Dec 04 j 06:21	14° ☿ 38'14	1.34170 AU
evening max el	-12411 Jan 23 j 07:11	29° ☿ 44'14	23°43'54				
	-12411 Jan 23 j 13:57	0° ☿		superior conj	-12411 Dec 07 j 10:49	21° ☿ 17'15	-1°23'55
retrograde	-12411 Feb 05 j 19:07	6° ☿ 21'05		minimum elong	-12411 Dec 07 j 12:40	21° ☿ 27'01	1°23'37
evening set	-12411 Feb 09 j 18:42	5° ☿ 46'11			-12411 Dec 11 j 13:14	0° ☿	
min. Earth dist.	-12411 Feb 16 j 20:17	2° ☿ 25'26	0.56120 AU	evening rise	-12411 Dec 14 j 16:59	6° ☿ 39'51	
desc. node	-12411 Feb 17 j 18:16	1° ☿ 52'11		asc. node	-12411 Dec 18 j 09:02	14° ☿ 08'11	
inferior conj	-12411 Feb 18 j 17:51	1° ☿ 16'12	-0°14'55		-12411 Dec 27 j 09:44	0° ☿	
minimum elong	-12411 Feb 18 j 17:13	1° ☿ 17'10	0°15'22	evening max el	-12410 Jan 05 j 02:13	10° ☿ 39'00	22°10'01
transit middle	-12411 Feb 18 j 17:13	1° ☿ 17'10	0°15'22	retrograde	-12410 Jan 17 j 13:06	16° ☿ 35'13	
transit begin	-12411 Feb 18 j 16:18	1° ☿ 18'34		evening set	-12410 Jan 20 j 17:17	16° ☿ 12'57	
transit end	-12411 Feb 18 j 18:09	1° ☿ 15'45		inferior conj	-12410 Jan 29 j 18:56	12° ☿ 06'21	1°28'29
	-12411 Feb 20 j 20:57	30° ☿		minimum elong	-12410 Jan 29 j 22:35	12° ☿ 01'07	1°26'52
morning rise	-12411 Feb 27 j 18:08	27° ☿ 10'43		min. Earth dist.	-12410 Jan 29 j 10:51	12° ☿ 17'54	0.55486 AU
direct	-12411 Mar 01 j 22:00	26° ☿ 58'40		desc. node	-12410 Feb 04 j 15:02	9° ☿ 05'56	
	-12411 Mar 10 j 00:29	0° ☿		morning rise	-12410 Feb 08 j 04:29	8° ☿ 01'22	
morning max el	-12411 Mar 12 j 04:53	1° ☿ 51'16	20°00'33	direct	-12410 Feb 10 j 15:36	7° ☿ 47'28	
asc. node	-12411 Mar 29 j 09:50	29° ☿ 02'21		morning max el	-12410 Feb 22 j 13:44	13° ☿ 30'34	21°17'37
	-12411 Mar 29 j 21:19	0° ☿			-12410 Mar 06 j 13:51	0° ☿	
morning set	-12411 Mar 30 j 02:53	0° ☿ 28'03		morning set	-12410 Mar 14 j 10:36	15° ☿ 11'35	
				asc. node	-12410 Mar 16 j 06:52	19° ☿ 00'50	
superior conj	-12411 Apr 07 j 02:32	16° ☿ 38'18	1°12'21				
minimum elong	-12411 Apr 06 j 23:40	16° ☿ 23'57	1°11'15	superior conj	-12410 Mar 21 j 22:46	0° ☿ 48'52	0°50'26
max. Earth dist.	-12411 Apr 12 j 07:46	26° ☿ 49'36	1.36671 AU	minimum elong	-12410 Mar 21 j 20:38	0° ☿ 37'53	0°49'20
	-12411 Apr 14 j 00:07	0° ☿			-12410 Mar 21 j 13:19	0° ☿	
evening rise	-12411 Apr 16 j 10:55	4° ☿ 31'23		max. Earth dist.	-12410 Mar 25 j 19:36	8° ☿ 41'04	1.35207 AU
	-12411 May 01 j 16:35	0° ☿		evening rise	-12410 Mar 30 j 10:22	17° ☿ 41'05	
desc. node	-12411 May 16 j 17:00	20° ☿ 41'17			-12410 Apr 06 j 04:42	0° ☿	
evening max el	-12411 May 22 j 07:09	26° ☿ 51'25	25°46'42		-12410 Apr 25 j 21:29	0° ☿	
	-12411 May 25 j 18:17	0° ☿		desc. node	-12410 May 03 j 14:24	9° ☿ 01'27	
retrograde	-12411 Jun 03 j 14:12	4° ☿ 01'49		evening max el	-12410 May 04 j 17:34	10° ☿ 10'04	26°45'31
evening set	-12411 Jun 09 j 18:19	1° ☿ 21'04		retrograde	-12410 May 17 j 18:48	17° ☿ 38'25	
	-12411 Jun 11 j 03:39	30° ☿		evening set	-12410 May 24 j 10:11	14° ☿ 51'28	
min. Earth dist.	-12411 Jun 13 j 23:48	26° ☿ 37'20	0.66441 AU	min. Earth dist.	-12410 May 28 j 08:06	10° ☿ 46'44	0.65476 AU
inferior conj	-12411 Jun 15 j 04:08	25° ☿ 05'54	-2°41'33	inferior conj	-12410 May 30 j 02:27	8° ☿ 39'04	-3°06'58
minimum elong	-12411 Jun 15 j 06:22	24° ☿ 58'40	2°41'08	minimum elong	-12410 May 30 j 04:19	8° ☿ 33'26	3°06'59
morning rise	-12411 Jun 20 j 18:27	19° ☿ 10'01		morning rise	-12410 Jun 04 j 22:43	2° ☿ 57'17	
direct	-12411 Jun 24 j 04:54	18° ☿ 01'33		direct	-12410 Jun 08 j 01:49	2° ☿ 02'14	
asc. node	-12411 Jun 25 j 10:36	18° ☿ 10'04		asc. node	-12410 Jun 12 j 07:20	3° ☿ 36'16	
morning max el	-12411 Jul 01 j 09:56	22° ☿ 10'14	19°27'59	morning max el	-12410 Jun 14 j 18:40	5° ☿ 45'18	18°42'06
	-12411 Jul 07 j 16:48	0° ☿			-12410 Jul 01 j 09:14	0° ☿	
morning set	-12411 Jul 25 j 08:13	27° ☿ 00'15		morning set	-12410 Jul 05 j 10:05	6° ☿ 33'14	
	-12411 Jul 27 j 05:58	0° ☿			-12410 Jul 20 j 01:04	0° ☿	
max. Earth dist.	-12411 Aug 08 j 02:55	18° ☿ 43'36	1.44370 AU				
				superior conj	-12410 Jul 20 j 18:00	1° ☿ 07'05	0°54'52
superior conj	-12411 Aug 10 j 17:38	22° ☿ 53'03	0°10'50	minimum elong	-12410 Jul 20 j 23:55	1° ☿ 30'33	0°54'35
minimum elong	-12411 Aug 10 j 18:58	22° ☿ 58'23	0°11'16	max. Earth dist.	-12410 Jul 21 j 19:35	2° ☿ 48'26	1.44564 AU
behind sun begin	-12411 Aug 10 j 10:47	22° ☿ 25'45		desc. node	-12410 Jul 30 j 10:46	16° ☿ 27'39	
behind sun end	-12411 Aug 11 j 03:09	23° ☿ 31'03		evening rise	-12410 Aug 06 j 02:13	26° ☿ 59'51	
desc. node	-12411 Aug 12 j 13:22	25° ☿ 47'52			-12410 Aug 07 j 23:35	0° ☿	
	-12411 Aug 15 j 04:09	0° ☿		evening max el	-12410 Aug 28 j 05:56	29° ☿ 33'32	19°06'17
evening rise	-12411 Aug 25 j 12:54	16° ☿ 56'29			-12410 Aug 28 j 16:28	0° ☿	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

retrograde	-12410 Sep 04 j 04:49	3° \mathfrak{C} 30'21			-12409 Aug 01 j 10:24	0° \mathbb{I}	
evening set	-12410 Sep 07 j 08:41	2° \mathfrak{C} 32'55		evening max el	-12409 Aug 11 j 12:19	13° \mathbb{I} 02'52	19°58'59
asc. node	-12410 Sep 08 j 08:12	1° \mathfrak{C} 52'23		retrograde	-12409 Aug 19 j 01:23	17° \mathbb{I} 24'58	
	-12410 Sep 10 j 08:39	30° \mathfrak{R} \mathbb{I}		evening set	-12409 Aug 22 j 15:02	16° \mathbb{I} 11'11	
inferior conj	-12410 Sep 13 j 03:20	26° \mathbb{I} 43'23	1°28'15	asc. node	-12409 Aug 26 j 05:11	12° \mathbb{I} 39'18	
minimum elong	-12410 Sep 13 j 01:19	26° \mathbb{I} 49'41	1°28'15	inferior conj	-12409 Aug 28 j 03:19	10° \mathbb{I} 11'18	0°36'02
min. Earth dist.	-12410 Sep 14 j 14:06	24° \mathbb{I} 55'02	0.65515 AU	minimum elong	-12409 Aug 28 j 02:29	10° \mathbb{I} 14'01	0°36'25
morning rise	-12410 Sep 18 j 17:30	20° \mathbb{I} 28'07		min. Earth dist.	-12409 Aug 29 j 02:37	8° \mathbb{I} 54'25	0.66378 AU
direct	-12410 Sep 25 j 00:13	17° \mathbb{I} 49'52		morning rise	-12409 Sep 02 j 13:40	3° \mathbb{I} 50'59	
morning max el	-12410 Oct 07 j 17:57	25° \mathbb{I} 13'12	26°23'50	direct	-12409 Sep 08 j 06:45	1° \mathbb{I} 25'04	
	-12410 Oct 12 j 04:14	0° \mathfrak{C}		morning max el	-12409 Sep 20 j 03:54	8° \mathbb{I} 27'52	25°14'28
desc. node	-12410 Oct 26 j 09:41	19° \mathfrak{C} 10'05			-12409 Oct 07 j 04:19	0° \mathfrak{C}	
	-12410 Nov 02 j 06:29	0° Ω		desc. node	-12409 Oct 13 j 06:28	9° \mathfrak{C} 09'40	
morning set	-12410 Nov 12 j 15:01	18° Ω 12'32			-12409 Oct 25 j 18:58	0° Ω	
max. Earth dist.	-12410 Nov 16 j 20:47	26° Ω 21'00	1.35430 AU	morning set	-12409 Oct 26 j 03:18	0° Ω 37'09	
	-12410 Nov 18 j 16:56	0° \mathbb{P}		max. Earth dist.	-12409 Oct 30 j 00:53	7° Ω 43'40	1.37094 AU
superior conj	-12410 Nov 21 j 11:20	5° \mathbb{P} 36'29	-1°33'36	superior conj	-12409 Nov 05 j 02:59	19° Ω 24'22	-1°37'16
minimum elong	-12410 Nov 21 j 12:30	5° \mathbb{P} 42'28	1°33'13	minimum elong	-12409 Nov 05 j 02:54	19° Ω 24'02	1°36'46
evening rise	-12410 Nov 29 j 01:34	21° \mathbb{P} 20'47			-12409 Nov 10 j 09:54	0° \mathbb{P}	
	-12410 Dec 03 j 09:13	0° \mathfrak{A}		evening rise	-12409 Nov 13 j 06:02	5° \mathbb{P} 44'01	
asc. node	-12410 Dec 05 j 06:24	3° \mathfrak{A} 33'40		asc. node	-12409 Nov 22 j 03:47	22° \mathbb{P} 28'54	
evening max el	-12410 Dec 18 j 04:23	21° \mathfrak{A} 57'20	20°44'46		-12409 Nov 27 j 06:01	0° \mathfrak{A}	
retrograde	-12410 Dec 29 j 04:11	27° \mathfrak{A} 06'57		evening max el	-12409 Nov 30 j 16:35	3° \mathfrak{A} 48'53	19°35'35
evening set	-12410 Dec 31 j 21:40	26° \mathfrak{A} 49'08		retrograde	-12409 Dec 10 j 03:12	8° \mathfrak{A} 16'19	
inferior conj	-12409 Jan 09 j 16:57	22° \mathfrak{A} 49'53	3°00'41	evening set	-12409 Dec 12 j 16:25	7° \mathfrak{A} 58'18	
minimum elong	-12409 Jan 09 j 22:45	22° \mathfrak{A} 41'22	2°59'02	inferior conj	-12409 Dec 21 j 00:35	3° \mathfrak{A} 50'45	3°58'39
min. Earth dist.	-12409 Jan 11 j 00:31	22° \mathfrak{A} 03'35	0.55709 AU	minimum elong	-12409 Dec 21 j 04:21	3° \mathfrak{A} 44'38	3°58'09
morning rise	-12409 Jan 18 j 22:30	18° \mathfrak{A} 29'40		min. Earth dist.	-12409 Dec 23 j 13:59	2° \mathfrak{A} 11'38	0.56730 AU
direct	-12409 Jan 22 j 07:04	18° \mathfrak{A} 04'51			-12409 Dec 27 j 11:12	30° \mathfrak{R} \mathbb{P}	
desc. node	-12409 Jan 22 j 11:44	18° \mathfrak{A} 04'56		morning rise	-12409 Dec 29 j 14:10	29° \mathbb{P} 07'14	
morning max el	-12409 Feb 04 j 11:57	24° \mathfrak{A} 33'42	22°49'06	direct	-12408 Jan 03 j 06:52	28° \mathbb{P} 17'18	
	-12409 Feb 09 j 09:45	0° \mathbb{M}		desc. node	-12408 Jan 09 j 08:21	29° \mathbb{P} 41'29	
morning set	-12409 Feb 26 j 21:40	0° \mathfrak{X} 09'22			-12408 Jan 09 j 23:49	0° \mathfrak{A}	
	-12409 Feb 26 j 19:52	0° \mathfrak{X}		morning max el	-12408 Jan 17 j 03:22	5° \mathfrak{A} 15'46	24°25'48
asc. node	-12409 Mar 03 j 03:59	9° \mathfrak{X} 10'53			-12408 Feb 03 j 17:02	0° \mathbb{M}	
superior conj	-12409 Mar 06 j 02:13	15° \mathfrak{X} 24'50	0°27'08	morning set	-12408 Feb 11 j 10:07	15° \mathbb{M} 13'32	
minimum elong	-12409 Mar 06 j 01:05	15° \mathfrak{X} 18'47	0°26'12	superior conj	-12408 Feb 18 j 10:24	0° \mathfrak{X} 16'55	0°03'38
max. Earth dist.	-12409 Mar 08 j 17:32	20° \mathfrak{X} 57'33	1.34095 AU	minimum elong	-12408 Feb 18 j 10:16	0° \mathfrak{X} 16'15	0°02'57
	-12409 Mar 13 j 04:06	0° \mathfrak{Z}		behind sun begin	-12408 Feb 18 j 05:14	29° \mathbb{M} 49'02	
evening rise	-12409 Mar 13 j 23:11	1° \mathfrak{Z} 34'13		behind sun end	-12408 Feb 18 j 15:19	0° \mathfrak{X} 43'28	
	-12409 Mar 30 j 03:28	0° \approx		asc. node	-12408 Feb 18 j 01:11	29° \mathbb{M} 27'12	
evening max el	-12409 Apr 17 j 04:13	23° \approx 17'21	27°20'28		-12408 Feb 18 j 07:16	0° \mathfrak{X}	
desc. node	-12409 Apr 20 j 11:43	26° \approx 15'43		max. Earth dist.	-12408 Feb 19 j 24:00	3° \mathfrak{X} 39'14	1.33334 AU
	-12409 Apr 26 j 12:32	0° \mathfrak{H}		evening rise	-12408 Feb 25 j 21:20	15° \mathfrak{X} 57'10	
retrograde	-12409 Apr 30 j 18:06	0° \mathfrak{H} 52'49			-12408 Mar 04 j 05:10	0° \mathfrak{Z}	
	-12409 May 04 j 17:36	30° \mathfrak{R} \approx			-12408 Mar 24 j 00:20	0° \approx	
evening set	-12409 May 07 j 15:44	28° \approx 11'35		evening max el	-12408 Mar 29 j 13:14	6° \approx 01'39	27°25'36
min. Earth dist.	-12409 May 11 j 08:42	24° \approx 41'26	0.64118 AU	desc. node	-12408 Apr 06 j 08:57	11° \approx 57'22	
inferior conj	-12409 May 13 j 17:40	22° \approx 04'33	-3°21'48	retrograde	-12408 Apr 12 j 11:02	13° \approx 35'55	
minimum elong	-12409 May 13 j 18:35	22° \approx 02'00	3°22'14	evening set	-12408 Apr 19 j 07:42	11° \approx 13'44	
morning rise	-12409 May 19 j 22:09	16° \approx 39'04		min. Earth dist.	-12408 Apr 23 j 00:31	8° \approx 09'06	0.62407 AU
direct	-12409 May 22 j 19:23	15° \approx 55'32		inferior conj	-12408 Apr 25 j 22:48	5° \approx 16'15	-3°22'34
morning max el	-12409 May 29 j 07:09	19° \approx 22'58	18°13'16	minimum elong	-12408 Apr 25 j 22:14	5° \approx 17'39	3°23'10
asc. node	-12409 May 30 j 04:05	20° \approx 17'54		morning rise	-12408 May 02 j 14:10	0° \approx 08'51	
	-12409 Jun 06 j 04:41	0° \mathfrak{H}			-12408 May 02 j 23:24	30° \mathfrak{R} \mathfrak{Z}	
morning set	-12409 Jun 16 j 13:08	17° \mathfrak{H} 15'48		direct	-12408 May 05 j 06:32	29° \mathfrak{Z} 35'13	
	-12409 Jun 24 j 03:11	0° \mathbb{Y}			-12408 May 07 j 13:07	0° \approx	
superior conj	-12409 Jun 30 j 01:50	9° \mathbb{Y} 44'24	1°28'31	morning max el	-12408 May 11 j 21:02	2° \approx 57'39	18°02'31
minimum elong	-12409 Jun 30 j 07:47	10° \mathbb{Y} 08'33	1°28'11	asc. node	-12408 May 16 j 00:51	7° \approx 59'07	
max. Earth dist.	-12409 Jul 04 j 10:47	16° \mathbb{Y} 46'23	1.44059 AU	morning set	-12408 May 28 j 15:38	29° \approx 05'17	
	-12409 Jul 12 j 19:44	0° \mathfrak{B}			-12408 May 29 j 03:58	0° \mathfrak{H}	
evening rise	-12409 Jul 16 j 13:45	5° \mathfrak{B} 51'03		superior conj	-12408 Jun 09 j 09:13	19° \mathfrak{H} 30'44	1°46'00
desc. node	-12409 Jul 17 j 08:14	7° \mathfrak{B} 02'52		minimum elong	-12408 Jun 09 j 11:40	19° \mathfrak{H} 41'06	1°45'46
greatest brilliancy	-12409 Jul 29 j 05:16	25° \mathfrak{B} 14'48	-0.7m		-12408 Jun 15 j 16:48	0° \mathbb{Y}	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

max. Earth dist.	-12408 Jun 15 j 22:07	0° Υ 21'42	1.42930 AU	superior conj	-12407 May 21 j 19:21	0° H 36'39	1°48'25
evening rise	-12408 Jun 24 j 13:45	14° Υ 10'05		minimum elong	-12407 May 21 j 18:27	0° H 32'38	1°48'00
desc. node	-12408 Jul 03 j 05:46	27° Υ 29'48		max. Earth dist.	-12407 May 29 j 04:16	13° H 21'31	1.41333 AU
	-12408 Jul 04 j 21:40	0° B		evening rise	-12407 Jun 04 j 01:08	23° H 02'09	
evening max el	-12408 Jul 24 j 12:10	26° B 28'52	21°05'37		-12407 Jun 08 j 10:06	0° Υ	
	-12408 Jul 28 j 16:33	0° Π		desc. node	-12407 Jun 20 j 03:20	17° Υ 43'31	
retrograde	-12408 Aug 01 j 21:48	1° Π 25'01			-12407 Jun 28 j 22:43	0° B	
evening set	-12408 Aug 05 j 23:24	29° B 51'47		evening max el	-12407 Jul 07 j 05:08	9° B 50'13	22°22'48
	-12408 Aug 05 j 19:02	30° R B		retrograde	-12407 Jul 16 j 16:33	15° B 27'13	
inferior conj	-12408 Aug 11 j 07:15	23° B 44'24	-0°14'41	evening set	-12407 Jul 21 j 07:47	13° B 32'41	
minimum elong	-12408 Aug 11 j 07:33	23° B 43'23	0°13'57	inferior conj	-12407 Jul 26 j 13:13	7° B 20'10	-1°02'20
transit middle	-12408 Aug 11 j 07:33	23° B 43'23	0°13'57	minimum elong	-12407 Jul 26 j 14:27	7° B 15'54	1°01'26
transit begin	-12408 Aug 11 j 06:07	23° B 48'16		min. Earth dist.	-12407 Jul 26 j 15:07	7° B 13'35	0.67219 AU
transit end	-12408 Aug 11 j 08:58	23° B 38'30		asc. node	-12407 Jul 29 j 22:55	2° B 55'05	
min. Earth dist.	-12408 Aug 11 j 19:46	23° B 01'38	0.66946 AU	morning rise	-12407 Jul 31 j 21:02	1° B 01'45	
asc. node	-12408 Aug 12 j 02:05	22° B 40'10			-12407 Aug 02 j 09:03	30° R Υ	
morning rise	-12408 Aug 16 j 15:31	17° B 23'08		direct	-12407 Aug 05 j 10:30	29° Υ 10'47	
direct	-12408 Aug 21 j 18:27	15° B 13'51			-12407 Aug 08 j 17:31	0° B	
morning max el	-12408 Sep 01 j 13:50	21° B 43'15	23°53'36	morning max el	-12407 Aug 15 j 02:05	4° B 59'05	22°29'49
	-12408 Sep 08 j 17:38	0° Π			-12407 Sep 03 j 01:35	0° Π	
desc. node	-12408 Sep 29 j 03:24	29° Π 27'09		desc. node	-12407 Sep 16 j 00:26	19° Π 56'22	
	-12408 Sep 29 j 11:40	0° B		morning set	-12407 Sep 17 j 05:22	21° Π 52'53	
morning set	-12408 Oct 06 j 17:24	11° B 53'28			-12407 Sep 22 j 03:45	0° B	
max. Earth dist.	-12408 Oct 10 j 23:51	19° B 16'33	1.39031 AU	max. Earth dist.	-12407 Sep 23 j 00:47	1° B 28'20	1.40993 AU
	-12408 Oct 16 j 21:50	0° Ω					
				superior conj	-12407 Sep 30 j 14:59	14° B 39'06	-1°18'55
superior conj	-12408 Oct 18 j 05:55	2° Ω 30'06	-1°33'06	minimum elong	-12407 Sep 30 j 11:29	14° B 23'28	1°17'53
minimum elong	-12408 Oct 18 j 04:08	2° Ω 21'44	1°32'23		-12407 Oct 08 j 23:46	0° Ω	
evening rise	-12408 Oct 27 j 04:09	19° Ω 43'48		evening rise	-12407 Oct 10 j 16:53	3° Ω 12'21	
	-12408 Nov 01 j 13:29	0° H		asc. node	-12407 Oct 25 j 22:27	28° Ω 05'53	
asc. node	-12408 Nov 08 j 01:08	10° H 43'51		evening max el	-12407 Oct 26 j 21:02	29° Ω 04'40	18°16'26
evening max el	-12408 Nov 12 j 14:49	16° H 13'26	18°45'51		-12407 Oct 27 j 20:59	0° H	
retrograde	-12408 Nov 20 j 18:37	20° H 10'38		retrograde	-12407 Nov 03 j 03:45	2° H 44'22	
evening set	-12408 Nov 23 j 06:12	19° H 50'06		evening set	-12407 Nov 05 j 15:05	2° H 19'58	
inferior conj	-12408 Dec 01 j 01:44	15° H 24'05	4°17'17		-12407 Nov 09 j 21:08	30° R Ω	
minimum elong	-12408 Dec 01 j 01:43	15° H 24'06	4°17'30	inferior conj	-12407 Nov 12 j 22:02	27° Ω 32'14	4°04'54
min. Earth dist.	-12408 Dec 04 j 05:02	13° H 04'58	0.58307 AU	minimum elong	-12407 Nov 12 j 19:15	27° Ω 38'10	4°05'01
morning rise	-12408 Dec 08 j 19:21	10° H 17'45		min. Earth dist.	-12407 Nov 16 j 01:13	24° Ω 51'50	0.60128 AU
direct	-12408 Dec 14 j 18:08	8° H 51'52		morning rise	-12407 Nov 19 j 21:55	22° Ω 05'20	
desc. node	-12408 Dec 26 j 04:57	13° H 47'49		direct	-12407 Nov 26 j 15:52	20° Ω 03'38	
morning max el	-12408 Dec 28 j 18:46	16° H 04'40	25°53'43	morning max el	-12407 Dec 10 j 15:36	27° Ω 24'58	26°58'31
	-12407 Jan 09 j 03:10	0° B		desc. node	-12407 Dec 13 j 01:32	29° Ω 52'10	
morning set	-12407 Jan 25 j 22:12	0° H 17'33			-12407 Dec 13 j 04:27	0° H	
	-12407 Jan 25 j 18:51	0° H			-12406 Jan 02 j 13:25	0° B	
				morning set	-12406 Jan 10 j 08:04	15° B 14'41	
superior conj	-12407 Feb 01 j 21:18	15° H 18'12	-0°19'14				
minimum elong	-12407 Feb 01 j 22:06	15° H 22'31	0°19'37	superior conj	-12406 Jan 17 j 09:13	0° H 22'23	-0°40'38
max. Earth dist.	-12407 Feb 02 j 11:52	16° H 37'37	1.32901 AU	minimum elong	-12406 Jan 17 j 10:43	0° H 30'36	0°40'44
asc. node	-12407 Feb 03 j 22:28	19° H 45'34		max. Earth dist.	-12406 Jan 17 j 01:28	29° B 40'03	1.32788 AU
	-12407 Feb 08 j 18:10	0° H			-12406 Jan 17 j 05:07	0° H	
evening rise	-12407 Feb 09 j 01:52	0° H 39'49		asc. node	-12406 Jan 21 j 19:48	10° H 01'44	
	-12407 Feb 25 j 08:23	0° B		evening rise	-12406 Jan 24 j 10:28	15° H 33'59	
evening max el	-12407 Mar 11 j 18:16	18° B 12'50	26°57'54		-12406 Jan 31 j 18:08	0° H	
desc. node	-12407 Mar 24 j 06:05	25° B 33'48		evening max el	-12406 Feb 21 j 17:39	29° H 46'40	25°59'14
retrograde	-12407 Mar 25 j 20:12	25° B 40'25			-12406 Feb 21 j 23:16	0° B	
evening set	-12407 Apr 01 j 06:53	23° B 48'11		retrograde	-12406 Mar 07 j 20:02	7° B 02'55	
min. Earth dist.	-12407 Apr 05 j 07:26	20° B 56'21	0.60468 AU	desc. node	-12406 Mar 11 j 03:05	6° B 36'05	
inferior conj	-12407 Apr 08 j 14:24	18° B 06'27	-3°04'18	evening set	-12406 Mar 13 j 11:24	5° B 45'02	
minimum elong	-12407 Apr 08 j 12:05	18° B 11'30	3°04'43	min. Earth dist.	-12406 Mar 18 j 06:56	2° B 51'48	0.58510 AU
morning rise	-12407 Apr 15 j 19:34	13° B 18'39		inferior conj	-12406 Mar 21 j 12:53	0° B 26'48	-2°21'05
direct	-12407 Apr 18 j 07:34	12° B 53'29		minimum elong	-12406 Mar 21 j 09:26	0° B 33'15	2°21'05
morning max el	-12407 Apr 25 j 09:42	16° B 22'50	18°10'29		-12406 Mar 22 j 03:15	30° R H	
asc. node	-12407 May 02 j 21:41	26° B 26'35		morning rise	-12406 Mar 29 j 10:36	25° H 58'53	
	-12407 May 05 j 00:13	0° \approx		direct	-12406 Mar 31 j 18:11	25° H 40'48	
morning set	-12407 May 11 j 12:58	11° \approx 51'12		morning max el	-12406 Apr 08 j 18:19	29° H 30'51	18°37'44
	-12407 May 21 j 11:06	0° H			-12406 Apr 09 j 06:14	0° B	
				asc. node	-12406 Apr 19 j 18:35	15° B 30'00	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12406 Apr 25 j 00:30	25° Z 22'52		superior conj	-12405 Apr 17 j 06:35	26° Z 04'25	1°23'42
	-12406 Apr 27 j 09:56	0° \approx		minimum elong	-12405 Apr 17 j 03:31	25° Z 49'28	1°22'41
					-12405 Apr 19 j 07:17	0° \approx	
superior conj	-12406 May 04 j 04:20	12° \approx 53'16	1°39'43	max. Earth dist.	-12405 Apr 23 j 06:01	7° \approx 26'12	1.37644 AU
minimum elong	-12406 May 04 j 01:40	12° \approx 40'47	1°38'58	evening rise	-12405 Apr 27 j 06:19	14° \approx 42'06	
max. Earth dist.	-12406 May 11 j 05:36	25° \approx 39'58	1.39488 AU		-12405 May 06 j 07:16	0° H	
	-12406 May 13 j 17:28	0° H		desc. node	-12405 May 24 j 22:22	27° H 05'51	
evening rise	-12406 May 15 j 14:22	3° H 11'17			-12405 May 27 j 06:25	0° Y	
	-12406 Jun 01 j 15:38	0° Y		evening max el	-12405 Jun 02 j 02:20	6° Y 29'28	25°05'05
desc. node	-12406 Jun 07 j 00:52	7° Y 38'18		retrograde	-12405 Jun 13 j 20:36	13° Y 25'11	
evening max el	-12406 Jun 19 j 16:49	23° Y 09'20	23°45'03	evening set	-12405 Jun 19 j 16:52	10° Y 51'52	
retrograde	-12406 Jun 30 j 08:26	29° Y 28'49		min. Earth dist.	-12405 Jun 24 j 03:16	5° Y 45'25	0.66814 AU
evening set	-12406 Jul 05 j 14:16	27° Y 13'14		inferior conj	-12405 Jun 25 j 00:13	4° Y 35'46	-2°23'07
inferior conj	-12406 Jul 10 j 19:29	20° Y 57'50	-1°45'34	minimum elong	-12405 Jun 25 j 02:28	4° Y 28'20	2°22'29
minimum elong	-12406 Jul 10 j 21:23	20° Y 51'19	1°44'42		-12405 Jun 28 j 19:24	30° R H	
min. Earth dist.	-12406 Jul 10 j 10:24	21° Y 28'59	0.67185 AU	morning rise	-12405 Jun 30 j 12:04	28° H 33'00	
morning rise	-12406 Jul 16 j 04:27	14° Y 45'40		asc. node	-12405 Jul 03 j 16:28	27° H 17'22	
asc. node	-12406 Jul 16 j 19:43	14° Y 18'33		direct	-12405 Jul 04 j 03:21	27° H 16'13	
direct	-12406 Jul 20 j 05:53	13° Y 12'35			-12405 Jul 09 j 22:45	0° Y	
morning max el	-12406 Jul 28 j 19:14	18° Y 18'43	21°10'31	morning max el	-12405 Jul 11 j 18:40	1° Y 44'11	20°01'26
	-12406 Aug 07 j 03:59	0° B			-12405 Jul 31 j 21:29	0° B	
	-12406 Aug 27 j 05:56	0° II		morning set	-12405 Aug 06 j 21:06	9° B 16'21	
morning set	-12406 Aug 27 j 17:57	0° II 47'01		max. Earth dist.	-12405 Aug 18 j 18:52	28° B 01'30	1.43933 AU
desc. node	-12406 Sep 02 j 21:35	10° II 33'01			-12405 Aug 20 j 00:29	0° II	
max. Earth dist.	-12406 Sep 05 j 07:07	14° II 26'11	1.42704 AU	desc. node	-12405 Aug 20 j 18:50	1° II 13'38	
superior conj	-12406 Sep 12 j 00:22	25° II 36'13	-0°52'47	superior conj	-12405 Aug 23 j 06:12	5° II 13'12	-0°14'45
minimum elong	-12406 Sep 11 j 20:22	25° II 19'18	0°51'34	minimum elong	-12405 Aug 23 j 04:41	5° II 07'04	0°13'53
	-12406 Sep 14 j 14:09	0° B		behind sun begin	-12405 Aug 22 j 23:01	4° II 44'08	
evening rise	-12406 Sep 23 j 16:21	16° B 00'15		behind sun end	-12405 Aug 23 j 10:20	5° II 30'02	
	-12406 Oct 01 j 15:27	0° Ω		evening rise	-12405 Sep 05 j 21:30	27° II 55'07	
evening max el	-12406 Oct 10 j 08:28	12° Ω 15'13	18°06'53		-12405 Sep 07 j 02:50	0° B	
asc. node	-12406 Oct 12 j 19:41	14° Ω 19'59		evening max el	-12405 Sep 23 j 22:10	25° B 38'32	18°16'11
retrograde	-12406 Oct 17 j 03:14	15° Ω 48'09		asc. node	-12405 Sep 29 j 16:50	29° B 10'03	
evening set	-12406 Oct 19 j 16:13	15° Ω 18'06		retrograde	-12405 Sep 30 j 12:52	29° B 13'44	
inferior conj	-12406 Oct 26 j 11:18	10° Ω 09'42	3°32'22	evening set	-12405 Oct 03 j 05:49	28° B 35'30	
minimum elong	-12406 Oct 26 j 07:29	10° Ω 19'01	3°32'09	inferior conj	-12405 Oct 09 j 14:12	23° B 08'58	2°48'14
min. Earth dist.	-12406 Oct 29 j 06:01	7° Ω 27'19	0.61930 AU	minimum elong	-12405 Oct 09 j 10:37	23° B 18'46	2°47'53
morning rise	-12406 Nov 01 j 21:35	4° Ω 24'57		min. Earth dist.	-12405 Oct 11 j 20:52	20° B 40'08	0.63544 AU
direct	-12406 Nov 08 j 22:42	1° Ω 56'35		morning rise	-12405 Oct 15 j 14:33	17° B 09'42	
morning max el	-12406 Nov 22 j 18:58	9° Ω 25'07	27°30'53	direct	-12405 Oct 22 j 13:21	14° B 27'52	
desc. node	-12406 Nov 29 j 22:08	17° Ω 22'50		morning max el	-12405 Nov 05 j 02:56	22° B 00'18	27°28'37
	-12406 Dec 08 j 21:44	0° M			-12405 Nov 12 j 06:41	0° Ω	
morning set	-12406 Dec 25 j 13:35	29° M 56'46		desc. node	-12405 Nov 16 j 18:45	5° Ω 55'19	
	-12406 Dec 25 j 14:13	0° L			-12405 Dec 01 j 23:07	0° M	
max. Earth dist.	-12406 Dec 31 j 12:51	12° L 31'52	1.33018 AU	morning set	-12405 Dec 09 j 12:19	14° M 15'31	
				max. Earth dist.	-12405 Dec 14 j 18:22	25° M 01'27	1.33627 AU
superior conj	-12405 Jan 01 j 20:25	15° L 22'49	-0°59'54	superior conj	-12405 Dec 17 j 05:10	0° L 13'31	-1°16'13
minimum elong	-12405 Jan 01 j 22:21	15° L 33'20	0°59'47	minimum elong	-12405 Dec 17 j 07:11	0° L 24'15	1°15'58
evening rise	-12405 Jan 08 j 21:13	0° M 32'06			-12405 Dec 17 j 02:38	0° L	
asc. node	-12405 Jan 08 j 17:10	0° M 10'48		evening rise	-12405 Dec 24 j 08:27	15° L 28'29	
	-12405 Jan 08 j 15:07	0° M		asc. node	-12405 Dec 26 j 14:32	20° L 07'58	
	-12405 Jan 25 j 09:21	0° J			-12405 Dec 31 j 17:00	0° M	
evening max el	-12405 Feb 03 j 12:04	10° J 49'23	24°37'06	evening max el	-12404 Jan 16 j 05:30	21° M 41'18	23°03'42
retrograde	-12405 Feb 17 j 08:39	17° J 45'16		retrograde	-12404 Jan 29 j 08:50	28° M 02'27	
evening set	-12405 Feb 21 j 22:33	16° J 57'41		evening set	-12404 Feb 01 j 22:47	27° M 34'26	
desc. node	-12405 Feb 25 j 23:59	15° J 05'03		min. Earth dist.	-12404 Feb 09 j 17:39	24° M 00'47	0.55748 AU
min. Earth dist.	-12405 Feb 28 j 01:36	13° J 50'07	0.56829 AU	inferior conj	-12404 Feb 11 j 00:15	23° M 15'49	0°28'23
inferior conj	-12405 Mar 02 j 15:41	12° J 09'22	-1°08'43	minimum elong	-12404 Feb 11 j 01:25	23° M 14'05	0°27'25
minimum elong	-12405 Mar 02 j 13:12	12° J 13'24	1°08'42	desc. node	-12404 Feb 12 j 20:47	22° M 11'15	
morning rise	-12405 Mar 11 j 07:01	7° J 58'10		morning rise	-12404 Feb 20 j 05:44	19° M 12'06	
direct	-12405 Mar 13 j 10:53	7° J 45'01		direct	-12404 Feb 22 j 11:00	19° M 00'06	
morning max el	-12405 Mar 22 j 19:47	12° J 11'05	19°24'40	morning max el	-12404 Mar 04 j 11:14	24° M 14'29	20°31'05
	-12405 Apr 02 j 00:34	0° Z			-12404 Mar 09 j 11:22	0° J	
asc. node	-12405 Apr 06 j 15:32	4° Z 59'58		morning set	-12404 Mar 23 j 03:04	24° J 01'31	
morning set	-12405 Apr 08 j 22:15	9° Z 29'13		asc. node	-12404 Mar 23 j 12:33	24° J 49'48	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

	-12404 Mar 26 j 00:58	0° Z		morning set	-12403 Mar 07 j 12:28	8° Z 52'01	
				asc. node	-12403 Mar 10 j 09:38	14° Z 53'50	
superior conj	-12404 Mar 30 j 21:21	9° Z 56'38	1°03'20				
minimum elong	-12404 Mar 30 j 18:45	9° Z 43'25	1°02'12	superior conj	-12403 Mar 14 j 20:59	24° Z 18'55	0°40'40
max. Earth dist.	-12404 Apr 04 j 12:19	19° Z 08'23	1.36012 AU	minimum elong	-12403 Mar 14 j 19:15	24° Z 09'53	0°39'36
evening rise	-12404 Apr 08 j 20:01	27° Z 21'06			-12403 Mar 17 j 14:52	0° Z	
	-12404 Apr 10 j 06:34	0° \approx		max. Earth dist.	-12403 Mar 18 j 04:41	1° Z 10'32	1.34699 AU
	-12404 Apr 28 j 15:07	0° X		evening rise	-12403 Mar 23 j 01:44	10° Z 51'19	
desc. node	-12404 May 10 j 19:48	15° X 55'06			-12403 Apr 02 j 17:04	0° \approx	
evening max el	-12404 May 14 j 12:22	19° X 51'01	26°14'10		-12403 Apr 23 j 23:35	0° X	
retrograde	-12404 May 27 j 04:11	27° X 10'52		evening max el	-12403 Apr 26 j 23:19	3° X 07'23	27°03'45
evening set	-12404 Jun 02 j 13:22	24° X 26'25		desc. node	-12403 Apr 27 j 17:09	3° X 50'24	
min. Earth dist.	-12404 Jun 06 j 15:27	19° X 59'13	0.66077 AU	retrograde	-12403 May 10 j 06:31	10° X 39'10	
inferior conj	-12404 Jun 08 j 01:32	18° X 11'56	-2°53'30	evening set	-12403 May 17 j 01:14	7° X 53'27	
minimum elong	-12404 Jun 08 j 03:41	18° X 05'11	2°53'15	min. Earth dist.	-12403 May 20 j 20:47	4° X 03'58	0.64948 AU
morning rise	-12404 Jun 13 j 18:07	12° X 21'29		inferior conj	-12403 May 22 j 21:13	1° X 43'04	-3°14'46
direct	-12404 Jun 17 j 01:11	11° X 18'58		minimum elong	-12403 May 22 j 22:45	1° X 38'35	3°14'58
asc. node	-12404 Jun 19 j 13:12	11° X 53'03			-12403 May 24 j 09:18	30° R \approx	
morning max el	-12404 Jun 24 j 00:17	15° X 15'57	19°06'21	morning rise	-12403 May 28 j 20:39	26° \approx 07'42	
	-12404 Jul 04 j 20:59	0° Y		direct	-12403 May 31 j 21:11	25° \approx 17'36	
morning set	-12404 Jul 16 j 10:33	18° Y 14'53		asc. node	-12403 Jun 06 j 09:56	27° \approx 53'33	
	-12404 Jul 23 j 20:22	0° B		morning max el	-12403 Jun 07 j 10:50	28° \approx 52'39	18°27'39
max. Earth dist.	-12404 Jul 31 j 10:27	12° B 00'11	1.44536 AU		-12403 Jun 08 j 12:04	0° X	
				morning set	-12403 Jun 26 j 23:07	28° X 17'49	
					-12403 Jun 27 j 23:53	0° Y	
superior conj	-12404 Aug 01 j 12:43	13° B 44'10	0°30'06				
minimum elong	-12404 Aug 01 j 16:19	13° B 58'26	0°30'11				
desc. node	-12404 Aug 06 j 16:10	21° B 54'37		superior conj	-12403 Jul 11 j 13:33	22° Y 00'32	1°10'56
	-12404 Aug 11 j 17:24	0° II		minimum elong	-12403 Jul 11 j 20:10	22° Y 26'51	1°10'35
evening rise	-12404 Aug 17 j 02:31	8° II 41'52		max. Earth dist.	-12403 Jul 14 j 03:14	26° Y 05'53	1.44438 AU
	-12404 Aug 30 j 10:48	0° E			-12403 Jul 16 j 14:21	0° B	
evening max el	-12404 Sep 06 j 11:09	9° E 07'40	18°43'14	desc. node	-12403 Jul 24 j 13:36	12° B 33'13	
retrograde	-12404 Sep 13 j 04:56	12° E 53'43		evening rise	-12403 Jul 28 j 04:10	18° B 13'01	
asc. node	-12404 Sep 15 j 13:56	12° E 22'00			-12403 Aug 04 j 16:58	0° II	
evening set	-12404 Sep 16 j 04:13	12° E 04'13		greatest brilliancy	-12403 Aug 06 j 23:25	3° II 30'46	-0.8m
inferior conj	-12404 Sep 22 j 03:24	6° E 22'21	1°58'11	evening max el	-12403 Aug 20 j 20:40	22° II 38'18	19°26'51
minimum elong	-12404 Sep 22 j 00:43	6° E 30'22	1°58'00	retrograde	-12403 Aug 28 j 00:34	26° II 44'18	
min. Earth dist.	-12404 Sep 23 j 21:16	4° E 17'28	0.64886 AU	evening set	-12403 Aug 31 j 08:26	25° II 40'09	
morning rise	-12404 Sep 27 j 20:38	0° E 12'04		asc. node	-12403 Sep 02 j 10:57	23° II 56'09	
	-12404 Sep 28 j 02:33	30° R II		inferior conj	-12403 Sep 06 j 00:08	19° II 45'53	1°05'59
direct	-12404 Oct 04 j 10:32	27° II 29'33		minimum elong	-12403 Sep 05 j 22:38	19° II 50'44	1°06'10
	-12404 Oct 11 j 13:00	0° E		min. Earth dist.	-12403 Sep 07 j 05:52	18° II 10'46	0.65925 AU
morning max el	-12404 Oct 17 j 12:53	4° E 58'37	26°54'57	morning rise	-12403 Sep 11 j 12:29	13° II 28'17	
desc. node	-12404 Nov 02 j 15:27	25° E 10'47		direct	-12403 Sep 17 j 13:39	10° II 54'40	
	-12404 Nov 05 j 20:16	0° O		morning max el	-12403 Sep 29 j 23:05	18° II 09'58	25°56'18
morning set	-12404 Nov 22 j 01:00	27° O 59'17			-12403 Oct 10 j 00:53	0° E	
	-12404 Nov 23 j 02:00	0° P		desc. node	-12403 Oct 20 j 12:13	14° E 57'03	
max. Earth dist.	-12404 Nov 26 j 14:39	6° P 59'49	1.34651 AU		-12403 Oct 29 j 19:27	0° O	
				morning set	-12403 Nov 04 j 23:35	10° O 56'16	
				max. Earth dist.	-12403 Nov 09 j 00:28	18° O 31'28	1.36100 AU
superior conj	-12404 Nov 30 j 09:22	14° P 46'14	-1°28'40				
minimum elong	-12404 Nov 30 j 11:00	14° P 54'43	1°28'20				
evening rise	-12404 Dec 07 j 18:27	0° A 16'17		superior conj	-12403 Nov 14 j 06:30	28° O 52'58	-1°36'00
	-12404 Dec 07 j 15:19	0° A		minimum elong	-12403 Nov 14 j 07:13	28° O 56'33	1°35'34
asc. node	-12404 Dec 12 j 11:55	9° A 46'42			-12403 Nov 14 j 19:46	0° P	
	-12404 Dec 25 j 11:28	0° M		evening rise	-12403 Nov 22 j 01:30	14° P 50'08	
evening max el	-12404 Dec 28 j 03:11	2° M 44'32	21°32'15	asc. node	-12403 Nov 29 j 09:19	29° P 00'10	
retrograde	-12403 Jan 08 j 23:48	8° M 20'17			-12403 Nov 29 j 22:54	0° A	
evening set	-12403 Jan 11 j 22:27	8° M 00'43		evening max el	-12403 Dec 10 j 09:21	14° A 15'39	20°13'02
inferior conj	-12403 Jan 20 j 22:21	3° M 59'50	2°10'36	retrograde	-12403 Dec 20 j 16:40	19° A 06'05	
minimum elong	-12403 Jan 21 j 03:25	3° M 52'37	2°08'45	evening set	-12403 Dec 23 j 08:05	18° A 48'23	
min. Earth dist.	-12403 Jan 21 j 07:50	3° M 46'18	0.55480 AU	inferior conj	-12403 Dec 31 j 22:56	14° A 47'05	3°30'14
desc. node	-12403 Jan 29 j 17:30	29° A 57'53		minimum elong	-12402 Jan 01 j 04:19	14° A 38'54	3°29'01
	-12403 Jan 29 j 14:07	30° R A		min. Earth dist.	-12402 Jan 02 j 20:51	13° A 37'32	0.56061 AU
morning rise	-12403 Jan 30 j 07:56	29° A 49'48		morning rise	-12402 Jan 09 j 22:50	10° A 17'47	
direct	-12403 Feb 02 j 02:37	29° A 32'32		direct	-12402 Jan 13 j 20:34	9° A 44'08	
	-12403 Feb 05 j 12:57	0° M		desc. node	-12402 Jan 16 j 14:11	10° A 01'08	
morning max el	-12403 Feb 14 j 15:11	5° M 36'42	21°55'03	morning max el	-12402 Jan 27 j 09:36	16° A 26'56	23°30'25
	-12403 Mar 03 j 02:38	0° Z			-12402 Feb 07 j 03:06	0° M	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

morning set	-12402 Feb 20 j 00:21	23° \mathbb{M} 53'22		direct	-12402 Dec 26 j 00:44	20° \mathbb{M} 03'20	
	-12402 Feb 22 j 21:33	0° \mathbb{A}		desc. node	-12401 Jan 03 j 10:49	22° \mathbb{M} 44'47	
asc. node	-12402 Feb 25 j 06:47	5° \mathbb{A} 07'02		morning max el	-12401 Jan 09 j 00:23	27° \mathbb{M} 09'20	25°05'22
					-12401 Jan 11 j 18:41	0° \mathbb{A}	
superior conj	-12402 Feb 27 j 02:41	9° \mathbb{A} 02'22	0°17'08		-12401 Jan 31 j 02:57	0° \mathbb{M}	
minimum elong	-12402 Feb 27 j 01:58	8° \mathbb{A} 58'36	0°16'17	morning set	-12401 Feb 04 j 12:55	8° \mathbb{M} 59'04	
max. Earth dist.	-12402 Mar 01 j 06:48	13° \mathbb{A} 39'24	1.33732 AU				
evening rise	-12402 Mar 06 j 18:54	24° \mathbb{A} 58'13		superior conj	-12401 Feb 11 j 12:17	23° \mathbb{M} 59'50	-0°06'13
	-12402 Mar 09 j 08:34	0° \mathbb{B}		minimum elong	-12401 Feb 11 j 12:33	24° \mathbb{M} 01'21	0°06'46
	-12402 Mar 27 j 05:29	0° \mathbb{A}		behind sun begin	-12401 Feb 11 j 07:57	23° \mathbb{M} 36'23	
evening max el	-12402 Apr 09 j 09:36	16° \mathbb{A} 06'27	27°26'32	behind sun end	-12401 Feb 11 j 17:10	24° \mathbb{M} 26'19	
desc. node	-12402 Apr 14 j 14:28	20° \mathbb{A} 29'14		asc. node	-12401 Feb 12 j 04:02	25° \mathbb{M} 25'17	
retrograde	-12402 Apr 23 j 02:58	23° \mathbb{A} 41'30		max. Earth dist.	-12401 Feb 12 j 16:03	26° \mathbb{M} 30'17	1.33103 AU
evening set	-12402 Apr 30 j 01:24	21° \mathbb{A} 06'44			-12401 Feb 14 j 07:03	0° \mathbb{A}	
min. Earth dist.	-12402 May 03 j 17:33	17° \mathbb{A} 49'03	0.63433 AU	evening rise	-12401 Feb 18 j 20:06	9° \mathbb{A} 31'01	
inferior conj	-12402 May 06 j 08:32	15° \mathbb{A} 03'31	-3°24'08		-12401 Mar 01 j 17:45	0° \mathbb{B}	
minimum elong	-12402 May 06 j 08:53	15° \mathbb{A} 02'35	3°24'40	evening max el	-12401 Mar 22 j 16:59	28° \mathbb{B} 37'26	27°17'46
morning rise	-12402 May 12 j 17:19	9° \mathbb{A} 45'35			-12401 Mar 24 j 04:28	0° \mathbb{A}	
direct	-12402 May 15 j 12:30	9° \mathbb{A} 06'19		desc. node	-12401 Apr 01 j 11:37	5° \mathbb{A} 22'35	
morning max el	-12402 May 22 j 00:15	12° \mathbb{A} 29'52	18°06'29	retrograde	-12401 Apr 05 j 16:53	6° \mathbb{A} 09'58	
asc. node	-12402 May 24 j 06:41	15° \mathbb{A} 02'17		evening set	-12401 Apr 12 j 10:39	3° \mathbb{A} 59'02	
	-12402 Jun 03 j 00:20	0° \mathbb{H}		min. Earth dist.	-12401 Apr 16 j 05:21	1° \mathbb{A} 01'54	0.61604 AU
morning set	-12402 Jun 08 j 12:38	9° \mathbb{H} 30'08			-12401 Apr 17 j 08:27	30° \mathbb{R} \mathbb{B}	
	-12402 Jun 20 j 14:47	0° \mathbb{Y}		inferior conj	-12401 Apr 19 j 08:22	28° \mathbb{B} 07'21	-3°17'30
				minimum elong	-12401 Apr 19 j 07:03	28° \mathbb{B} 10'26	3°18'04
superior conj	-12402 Jun 21 j 06:13	1° \mathbb{Y} 03'38	1°37'59	morning rise	-12401 Apr 26 j 05:18	23° \mathbb{B} 08'31	
minimum elong	-12402 Jun 21 j 10:52	1° \mathbb{Y} 22'49	1°37'42	direct	-12401 Apr 28 j 19:46	22° \mathbb{B} 38'43	
max. Earth dist.	-12402 Jun 26 j 17:41	9° \mathbb{Y} 58'29	1.43652 AU	morning max el	-12401 May 05 j 14:02	26° \mathbb{B} 02'19	18°03'35
evening rise	-12402 Jul 07 j 08:16	26° \mathbb{Y} 43'39			-12401 May 08 j 23:40	0° \mathbb{A}	
	-12402 Jul 09 j 10:57	0° \mathbb{B}		asc. node	-12401 May 11 j 03:30	3° \mathbb{A} 05'03	
desc. node	-12402 Jul 11 j 11:07	3° \mathbb{B} 05'34		morning set	-12401 May 21 j 23:43	21° \mathbb{A} 45'01	
	-12402 Jul 29 j 20:21	0° \mathbb{H}			-12401 May 26 j 13:31	0° \mathbb{H}	
evening max el	-12402 Aug 04 j 00:24	6° \mathbb{H} 06'11	20°25'42				
retrograde	-12402 Aug 11 j 21:21	10° \mathbb{H} 41'43		superior conj	-12401 Jun 02 j 01:15	11° \mathbb{H} 24'56	1°48'40
evening set	-12402 Aug 15 j 15:55	9° \mathbb{H} 19'47		minimum elong	-12401 Jun 02 j 02:08	11° \mathbb{H} 28'41	1°48'23
asc. node	-12402 Aug 20 j 07:53	4° \mathbb{H} 16'49		max. Earth dist.	-12401 Jun 09 j 02:42	23° \mathbb{H} 19'27	1.42297 AU
inferior conj	-12402 Aug 21 j 02:03	3° \mathbb{H} 16'08	0°14'13		-12401 Jun 13 j 05:02	0° \mathbb{Y}	
minimum elong	-12402 Aug 21 j 01:43	3° \mathbb{H} 17'14	0°14'46	evening rise	-12401 Jun 16 j 10:24	5° \mathbb{Y} 08'42	
transit middle	-12402 Aug 21 j 01:43	3° \mathbb{H} 17'14	0°14'46	desc. node	-12401 Jun 28 j 08:39	23° \mathbb{Y} 27'33	
transit begin	-12402 Aug 21 j 00:32	3° \mathbb{H} 21'14			-12401 Jul 02 j 19:33	0° \mathbb{B}	
transit end	-12402 Aug 21 j 02:55	3° \mathbb{H} 13'14		evening max el	-12401 Jul 17 j 21:06	19° \mathbb{B} 29'35	21°37'22
min. Earth dist.	-12402 Aug 21 j 20:36	2° \mathbb{H} 13'50	0.66658 AU	retrograde	-12401 Jul 26 j 17:23	24° \mathbb{B} 43'08	
	-12402 Aug 23 j 13:53	30° \mathbb{R} \mathbb{B}		evening set	-12401 Jul 31 j 00:33	23° \mathbb{B} 00'58	
morning rise	-12402 Aug 26 j 11:20	26° \mathbb{B} 55'00		inferior conj	-12401 Aug 05 j 07:06	16° \mathbb{B} 50'48	-0°35'21
direct	-12402 Aug 31 j 22:15	24° \mathbb{B} 36'09		minimum elong	-12401 Aug 05 j 07:49	16° \mathbb{B} 48'19	0°34'32
	-12402 Sep 10 j 21:42	0° \mathbb{H}		min. Earth dist.	-12401 Aug 05 j 15:04	16° \mathbb{B} 23'18	0.67097 AU
morning max el	-12402 Sep 12 j 09:02	1° \mathbb{H} 25'51	24°40'58	asc. node	-12401 Aug 07 j 04:45	14° \mathbb{B} 16'08	
	-12402 Oct 04 j 02:06	0° \mathbb{B}		morning rise	-12401 Aug 10 j 14:58	10° \mathbb{B} 30'07	
desc. node	-12402 Oct 07 j 09:06	5° \mathbb{B} 05'11		direct	-12401 Aug 15 j 11:54	8° \mathbb{B} 28'42	
morning set	-12402 Oct 18 j 03:05	22° \mathbb{B} 53'16		morning max el	-12401 Aug 25 j 19:45	14° \mathbb{B} 41'51	23°17'45
max. Earth dist.	-12402 Oct 22 j 01:59	29° \mathbb{B} 56'11	1.37899 AU		-12401 Sep 07 j 04:43	0° \mathbb{H}	
	-12402 Oct 22 j 02:49	0° \mathbb{Q}		desc. node	-12401 Sep 24 j 06:05	25° \mathbb{H} 28'22	
					-12401 Sep 27 j 01:27	0° \mathbb{B}	
superior conj	-12402 Oct 28 j 17:16	12° \mathbb{Q} 24'11	-1°36'35	morning set	-12401 Sep 29 j 06:19	3° \mathbb{B} 37'29	
minimum elong	-12402 Oct 28 j 16:31	12° \mathbb{Q} 20'33	1°36'01	max. Earth dist.	-12401 Oct 04 j 00:48	11° \mathbb{Q} 42'10	1.39874 AU
evening rise	-12402 Nov 06 j 03:36	29° \mathbb{Q} 04'24					
	-12402 Nov 06 j 14:49	0° \mathbb{M}		superior conj	-12401 Oct 11 j 13:15	25° \mathbb{B} 07'22	-1°28'27
asc. node	-12402 Nov 16 j 06:41	17° \mathbb{M} 39'46		minimum elong	-12401 Oct 11 j 10:41	24° \mathbb{B} 55'34	1°27'35
evening max el	-12402 Nov 23 j 01:52	26° \mathbb{M} 21'19	19°11'55		-12401 Oct 14 j 04:11	0° \mathbb{Q}	
	-12402 Nov 28 j 15:05	0° \mathbb{A}		evening rise	-12401 Oct 20 j 22:09	12° \mathbb{Q} 51'56	
retrograde	-12402 Dec 01 j 22:31	0° \mathbb{A} 34'51			-12401 Oct 30 j 08:38	0° \mathbb{M}	
evening set	-12402 Dec 04 j 10:42	0° \mathbb{A} 16'01		asc. node	-12401 Nov 03 j 04:02	5° \mathbb{M} 34'06	
	-12402 Dec 05 j 09:02	30° \mathbb{R} \mathbb{M}		evening max el	-12401 Nov 06 j 03:47	8° \mathbb{M} 58'09	18°30'54
inferior conj	-12402 Dec 12 j 13:29	26° \mathbb{M} 01'07	4°11'05	retrograde	-12401 Nov 13 j 21:38	12° \mathbb{M} 46'36	
minimum elong	-12402 Dec 12 j 15:40	25° \mathbb{M} 57'22	4°11'01	evening set	-12401 Nov 16 j 08:45	12° \mathbb{M} 24'46	
min. Earth dist.	-12402 Dec 15 j 10:35	24° \mathbb{M} 03'06	0.57342 AU	inferior conj	-12401 Nov 23 j 22:54	7° \mathbb{M} 49'53	4°15'11
morning rise	-12402 Dec 20 j 18:35	21° \mathbb{M} 07'29		minimum elong	-12401 Nov 23 j 21:31	7° \mathbb{M} 52'38	4°15'25

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

min. Earth dist.	-12401 Nov 27 j 03:42	5° \mathbb{M} 18'54	0.59061 AU	morning rise	-12400 Nov 11 j 20:25	14° Ω 36'53	
morning rise	-12401 Dec 01 j 08:27	2° \mathbb{M} 34'10		direct	-12400 Nov 18 j 19:01	12° Ω 22'00	
direct	-12401 Dec 07 j 16:49	0° \mathbb{M} 52'09		morning max el	-12400 Dec 02 j 17:15	19° Ω 46'33	27°16'25
desc. node	-12401 Dec 21 j 07:24	7° \mathbb{M} 45'27		desc. node	-12400 Dec 07 j 04:02	24° Ω 30'12	
morning max el	-12401 Dec 21 j 17:47	8° \mathbb{M} 09'58	26°24'52		-12400 Dec 11 j 14:01	0° \mathbb{M}	
	-12400 Jan 07 j 06:04	0° Ω			-12400 Dec 29 j 22:07	0° Ω	
morning set	-12400 Jan 20 j 00:15	24° Ω 01'01		morning set	-12399 Jan 03 j 08:29	8° Ω 52'17	
	-12400 Jan 22 j 19:53	0° \mathbb{M}		max. Earth dist.	-12399 Jan 09 j 17:48	22° Ω 29'30	1.32844 AU
superior conj	-12400 Jan 26 j 23:49	9° \mathbb{M} 03'17	-0°28'32	superior conj	-12399 Jan 10 j 11:36	24° Ω 06'30	-0°49'07
minimum elong	-12400 Jan 27 j 00:56	9° \mathbb{M} 09'25	0°28'46	minimum elong	-12399 Jan 10 j 13:20	24° Ω 15'56	0°49'07
max. Earth dist.	-12400 Jan 27 j 04:52	9° \mathbb{M} 30'53	1.32805 AU		-12399 Jan 13 j 04:27	0° \mathbb{M}	
asc. node	-12400 Jan 30 j 01:22	15° \mathbb{M} 43'27		asc. node	-12399 Jan 15 j 22:41	5° \mathbb{M} 57'03	
evening rise	-12400 Feb 03 j 02:35	24° \mathbb{M} 19'21		evening rise	-12399 Jan 17 j 12:18	9° \mathbb{M} 15'52	
	-12400 Feb 05 j 21:32	0° \mathbb{M}			-12399 Jan 28 j 09:00	0° \mathbb{M}	
	-12400 Feb 23 j 18:20	0° \mathbb{M}		evening max el	-12399 Feb 13 j 16:44	21° \mathbb{M} 51'36	25°26'35
evening max el	-12400 Mar 03 j 19:33	10° \mathbb{M} 32'19	26°36'28	retrograde	-12399 Feb 27 j 17:52	29° \mathbb{M} 00'07	
retrograde	-12400 Mar 17 j 22:40	17° \mathbb{M} 56'42		evening set	-12399 Mar 04 j 22:32	27° \mathbb{M} 56'31	
desc. node	-12400 Mar 18 j 08:40	17° \mathbb{M} 56'15		desc. node	-12399 Mar 05 j 05:38	27° \mathbb{M} 49'14	
evening set	-12400 Mar 24 j 01:59	16° \mathbb{M} 19'01		min. Earth dist.	-12399 Mar 10 j 06:19	24° \mathbb{M} 58'25	0.57740 AU
min. Earth dist.	-12400 Mar 28 j 09:01	13° \mathbb{M} 28'07	0.59617 AU	inferior conj	-12399 Mar 13 j 07:17	22° \mathbb{M} 50'33	-1°54'01
inferior conj	-12400 Mar 31 j 17:04	10° \mathbb{M} 34'54	-2°49'24	minimum elong	-12399 Mar 13 j 03:55	22° \mathbb{M} 56'30	1°53'54
minimum elong	-12400 Mar 31 j 14:07	10° \mathbb{M} 51'56	2°49'38	morning rise	-12399 Mar 21 j 12:30	18° \mathbb{M} 30'00	
morning rise	-12400 Apr 08 j 05:01	6° \mathbb{M} 06'44		direct	-12399 Mar 23 j 18:14	18° \mathbb{M} 14'20	
direct	-12400 Apr 10 j 14:57	5° \mathbb{M} 44'56		morning max el	-12399 Apr 01 j 07:11	22° \mathbb{M} 18'18	18°55'16
morning max el	-12400 Apr 18 j 01:22	9° \mathbb{M} 21'38	18°19'40		-12399 Apr 07 j 10:53	0° \mathbb{M}	
asc. node	-12400 Apr 27 j 00:22	21° \mathbb{M} 49'12		asc. node	-12399 Apr 13 j 21:16	11° \mathbb{M} 04'44	
	-12400 May 01 j 13:24	0° \mathbb{M}		morning set	-12399 Apr 17 j 19:55	18° \mathbb{M} 39'16	
morning set	-12400 May 04 j 03:37	4° \mathbb{M} 51'45			-12399 Apr 23 j 15:08	0° \mathbb{M}	
superior conj	-12400 May 13 j 21:47	23° \mathbb{M} 02'54	1°45'50	superior conj	-12399 Apr 26 j 14:41	5° \mathbb{M} 43'58	1°33'36
minimum elong	-12400 May 13 j 19:56	22° \mathbb{M} 54'29	1°45'18	minimum elong	-12399 Apr 26 j 11:42	5° \mathbb{M} 29'48	1°32'45
	-12400 May 17 j 19:07	0° \mathbb{M}		max. Earth dist.	-12399 May 03 j 06:17	18° \mathbb{M} 02'12	1.38691 AU
max. Earth dist.	-12400 May 21 j 05:55	5° \mathbb{M} 59'25	1.40564 AU	evening rise	-12399 May 07 j 08:56	25° \mathbb{M} 16'11	
evening rise	-12400 May 26 j 07:56	14° \mathbb{M} 31'12			-12399 May 10 j 03:36	0° \mathbb{M}	
	-12400 Jun 05 j 02:03	0° \mathbb{M}			-12399 May 29 j 17:16	0° \mathbb{M}	
desc. node	-12400 Jun 14 j 06:10	13° \mathbb{M} 34'09		desc. node	-12399 Jun 01 j 03:39	3° \mathbb{M} 18'30	
	-12400 Jun 26 j 20:13	0° \mathbb{M}		evening max el	-12399 Jun 11 j 22:03	16° \mathbb{M} 10'11	24°19'58
evening max el	-12400 Jun 29 j 11:30	2° \mathbb{M} 50'02	22°57'36	retrograde	-12399 Jun 23 j 01:21	22° \mathbb{M} 45'37	
retrograde	-12400 Jul 09 j 11:05	8° \mathbb{M} 45'42		evening set	-12399 Jun 28 j 13:23	20° \mathbb{M} 22'08	
evening set	-12400 Jul 14 j 08:21	6° \mathbb{M} 42'18		min. Earth dist.	-12399 Jul 03 j 05:19	14° \mathbb{M} 53'38	0.67073 AU
inferior conj	-12400 Jul 19 j 13:25	0° \mathbb{M} 28'16	-1°21'17	inferior conj	-12399 Jul 03 j 19:14	14° \mathbb{M} 06'25	-2°02'17
minimum elong	-12400 Jul 19 j 14:58	0° \mathbb{M} 22'54	1°20'22	minimum elong	-12399 Jul 03 j 21:20	13° \mathbb{M} 59'20	2°01'29
min. Earth dist.	-12400 Jul 19 j 10:48	0° \mathbb{M} 37'19	0.67241 AU	morning rise	-12399 Jul 09 j 05:13	7° \mathbb{M} 57'50	
	-12400 Jul 19 j 21:36	30° \mathbb{M}		asc. node	-12399 Jul 10 j 22:20	6° \mathbb{M} 58'10	
asc. node	-12400 Jul 24 j 01:34	24° \mathbb{M} 55'34		direct	-12399 Jul 13 j 02:13	6° \mathbb{M} 31'41	
morning rise	-12400 Jul 24 j 21:30	24° \mathbb{M} 11'49		morning max el	-12399 Jul 21 j 05:20	11° \mathbb{M} 20'30	20°39'35
direct	-12400 Jul 29 j 05:39	22° \mathbb{M} 28'27			-12399 Aug 04 j 07:00	0° \mathbb{M}	
morning max el	-12400 Aug 07 j 09:43	27° \mathbb{M} 58'58	21°55'03	morning set	-12399 Aug 18 j 13:35	21° \mathbb{M} 43'23	
	-12400 Aug 09 j 06:29	0° \mathbb{M}			-12399 Aug 23 j 20:05	0° \mathbb{M}	
	-12400 Aug 30 j 21:09	0° \mathbb{M}		desc. node	-12399 Aug 28 j 00:19	6° \mathbb{M} 40'16	
morning set	-12400 Sep 08 j 07:25	13° \mathbb{M} 06'35		max. Earth dist.	-12399 Aug 28 j 12:20	7° \mathbb{M} 28'43	1.43304 AU
desc. node	-12400 Sep 10 j 03:10	16° \mathbb{M} 01'36		superior conj	-12399 Sep 03 j 10:51	17° \mathbb{M} 11'50	-0°37'57
max. Earth dist.	-12400 Sep 15 j 03:19	24° \mathbb{M} 12'18	1.41765 AU	minimum elong	-12399 Sep 03 j 07:28	16° \mathbb{M} 57'48	0°36'49
	-12400 Sep 18 j 14:10	0° \mathbb{M}			-12399 Sep 11 j 00:24	0° \mathbb{M}	
superior conj	-12400 Sep 22 j 13:00	6° \mathbb{M} 48'17	-1°09'22	evening rise	-12399 Sep 15 j 22:05	8° \mathbb{M} 31'33	
minimum elong	-12400 Sep 22 j 09:02	6° \mathbb{M} 31'00	1°08'13		-12399 Sep 28 j 19:10	0° \mathbb{M}	
evening rise	-12400 Oct 03 j 05:47	26° \mathbb{M} 04'43		evening max el	-12399 Oct 03 j 01:28	5° \mathbb{M} 16'15	18°08'35
	-12400 Oct 05 j 09:05	0° \mathbb{M}		asc. node	-12399 Oct 06 j 22:29	8° \mathbb{M} 10'01	
evening max el	-12400 Oct 19 j 12:41	21° \mathbb{M} 59'21	18°10'02	retrograde	-12399 Oct 09 j 17:24	8° \mathbb{M} 48'45	
asc. node	-12400 Oct 20 j 01:17	22° \mathbb{M} 29'37		evening set	-12399 Oct 12 j 07:55	8° \mathbb{M} 15'24	
retrograde	-12400 Oct 26 j 13:08	25° \mathbb{M} 34'34		inferior conj	-12399 Oct 18 j 22:16	2° \mathbb{M} 58'46	3°14'38
evening set	-12400 Oct 29 j 01:00	25° \mathbb{M} 07'59		minimum elong	-12399 Oct 18 j 18:25	3° \mathbb{M} 08'37	3°14'19
inferior conj	-12400 Nov 05 j 02:48	20° \mathbb{M} 11'31	3°52'59	min. Earth dist.	-12399 Oct 21 j 11:59	0° \mathbb{M} 20'53	0.62656 AU
minimum elong	-12400 Nov 04 j 23:23	20° \mathbb{M} 19'16	3°52'56		-12399 Oct 21 j 20:28	30° \mathbb{M}	
min. Earth dist.	-12400 Nov 08 j 03:16	17° \mathbb{M} 27'54	0.60914 AU	morning rise	-12399 Oct 25 j 03:57	27° \mathbb{M} 07'43	

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

direct	-12399 Nov 01 j 05:11	24° <u>32</u> '09	
	-12399 Nov 12 j 17:20	0° <u>0</u>	
morning max el	-12399 Nov 14 j 22:43	2° <u>01</u> '56	27°34'02
desc. node	-12399 Nov 24 j 00:39	12° <u>0</u> '29'36	
	-12399 Dec 05 j 18:22	0° <u>0</u>	
morning set	-12399 Dec 18 j 11:25	23° <u>0</u> '25'11	
	-12399 Dec 21 j 16:04	0° <u>0</u>	
max. Earth dist.	-12399 Dec 24 j 03:13	5° <u>0</u> '13'30	1.33234 AU
superior conj	-12399 Dec 25 j 21:58	9° <u>03</u> '23	-1°07'14
minimum elong	-12399 Dec 25 j 23:59	9° <u>0</u> '14'17	1°07'03
evening rise	-12398 Jan 01 j 23:26	24° <u>0</u> '14'05	
asc. node	-12398 Jan 02 j 20:03	26° <u>0</u> '01'43	
	-12398 Jan 04 j 18:34	0° <u>0</u>	