

Attention, astronomical year style is used: The year -11400 in astronomical counting style is the year 11401 BCE in historical counting style.

	-11400 Jan 03 j 19:40	0°♄	opposition	-11395 Nov 23 j 06:40	14°♄13'10	-0°34'14
evening set	-11400 Mar 04 j 13:20	6°♄15'34	min. Earth dist.	-11395 Nov 23 j 11:45	14°♄12'13	9.16948 AU
			direct	-11394 Feb 03 j 02:45	10°♄50'58	
conjunction	-11400 Mar 22 j 10:18	8°♄28'52 -2°22'26	evening set	-11394 May 17 j 21:30	17°♄52'55	
minimum elong	-11400 Mar 22 j 10:19	8°♄28'52 2°23'05				
max. Earth dist.	-11400 Mar 23 j 10:29	8°♄36'26 10.36364 AU	conjunction	-11394 Jun 03 j 22:28	19°♄49'32 -0°13'46	
morning rise	-11400 Apr 09 j 03:27	10°♄40'56	minimum elong	-11394 Jun 03 j 22:29	19°♄49'32 0°13'55	
retrograde	-11400 Jul 19 j 13:33	18°♄18'51	behind sun begin	-11394 Jun 03 j 18:49	19°♄48'29	
opposition	-11400 Sep 24 j 11:56	14°♄54'57 -2°50'40	behind sun end	-11394 Jun 04 j 02:09	19°♄50'34	
min. Earth dist.	-11400 Sep 23 j 19:08	14°♄58'20 8.44899 AU	max. Earth dist.	-11394 Jun 03 j 13:37	19°♄47'00 11.21348 AU	
direct	-11400 Dec 02 j 09:10	11°♄27'01	morning rise	-11394 Jun 20 j 18:34	21°♄44'48	
evening set	-11399 Mar 18 j 10:23	19°♄16'11	retrograde	-11394 Sep 26 j 09:05	28°♄24'06	
			opposition	-11394 Dec 04 j 18:13	25°♄09'05 -0°00'03	
conjunction	-11399 Apr 05 j 04:13	21°♄26'03 -2°11'30	min. Earth dist.	-11394 Dec 05 j 03:59	25°♄07'17 9.24994 AU	
minimum elong	-11399 Apr 05 j 04:15	21°♄26'04 2°12'07	asc. node	-11394 Dec 05 j 06:16	25°♄06'51	
max. Earth dist.	-11399 Apr 05 j 23:40	21°♄32'02 10.53344 AU	direct	-11393 Feb 14 j 19:58	21°♄47'56	
morning rise	-11399 Apr 22 j 17:29	23°♄34'30	evening set	-11393 May 29 j 02:07	28°♄44'38	
	-11399 Jun 28 j 23:45	0°♄		-11393 Jun 09 j 04:40	0°♄	
retrograde	-11399 Aug 01 j 01:23	0°♄57'59				
	-11399 Sep 03 j 10:31	30°♄	conjunction	-11393 Jun 14 j 23:34	0°♄39'42 0°14'16	
opposition	-11399 Oct 07 j 07:13	27°♄36'08 -2°32'47	minimum elong	-11393 Jun 14 j 23:34	0°♄39'42 0°14'13	
min. Earth dist.	-11399 Oct 06 j 18:47	27°♄38'35 8.61829 AU	behind sun begin	-11393 Jun 14 j 20:07	0°♄38'43	
direct	-11399 Dec 15 j 21:56	24°♄09'13	behind sun end	-11393 Jun 15 j 03:01	0°♄40'40	
	-11398 Mar 16 j 04:38	0°♄	max. Earth dist.	-11393 Jun 14 j 09:25	0°♄35'39 11.27926 AU	
evening set	-11398 Mar 31 j 17:03	1°♄47'06	morning rise	-11393 Jul 01 j 16:45	2°♄33'35	
			retrograde	-11393 Oct 07 j 08:55	9°♄10'42	
conjunction	-11398 Apr 18 j 07:36	3°♄53'42 -1°54'38	opposition	-11393 Dec 16 j 03:42	5°♄56'07 0°33'40	
minimum elong	-11398 Apr 18 j 07:39	3°♄53'43 1°55'11	min. Earth dist.	-11393 Dec 16 j 16:47	5°♄53'43 9.30100 AU	
max. Earth dist.	-11398 Apr 18 j 20:50	3°♄57'42 10.70098 AU	direct	-11392 Feb 26 j 09:48	2°♄35'54	
morning rise	-11398 May 05 j 17:15	5°♄58'48	evening set	-11392 Jun 08 j 02:14	9°♄29'05	
retrograde	-11398 Aug 13 j 00:47	13°♄09'18				
opposition	-11398 Oct 19 j 17:26	9°♄49'20 -2°08'35	conjunction	-11392 Jun 24 j 20:27	11°♄23'01 0°41'27	
min. Earth dist.	-11398 Oct 19 j 09:14	9°♄50'56 8.78146 AU	minimum elong	-11392 Jun 24 j 20:25	11°♄23'00 0°41'31	
direct	-11398 Dec 29 j 01:47	6°♄23'33	max. Earth dist.	-11392 Jun 24 j 03:04	11°♄18'03 11.31472 AU	
evening set	-11397 Apr 13 j 10:11	13°♄50'40	morning rise	-11392 Jul 11 j 10:46	13°♄15'56	
	-11397 Apr 23 j 06:28	15°♄	retrograde	-11392 Oct 17 j 11:49	19°♄53'06	
			opposition	-11392 Dec 26 j 13:09	16°♄38'39 1°05'58	
conjunction	-11397 Apr 30 j 21:27	15°♄54'16 -1°33'10	min. Earth dist.	-11392 Dec 27 j 05:17	16°♄35'43 9.32116 AU	
minimum elong	-11397 Apr 30 j 21:30	15°♄54'17 1°33'38	direct	-11391 Mar 08 j 19:20	13°♄19'14	
max. Earth dist.	-11397 May 01 j 04:32	15°♄56'22 10.85863 AU	evening set	-11391 Jun 18 j 23:40	20°♄10'33	
morning rise	-11397 May 18 j 03:38	17°♄56'19				
retrograde	-11397 Aug 24 j 17:22	24°♄55'45	conjunction	-11391 Jul 05 j 14:47	22°♄03'47 1°07'07	
opposition	-11397 Oct 31 j 19:42	21°♄37'26 -1°39'46	minimum elong	-11391 Jul 05 j 14:44	22°♄03'47 1°07'19	
min. Earth dist.	-11397 Oct 31 j 15:26	21°♄38'15 8.93134 AU	max. Earth dist.	-11391 Jul 04 j 18:09	21°♄57'53 11.31880 AU	
direct	-11396 Jan 10 j 19:34	18°♄12'51	morning rise	-11391 Jul 22 j 02:38	23°♄56'14	
evening set	-11396 Apr 24 j 15:28	25°♄30'12		-11391 Oct 01 j 12:13	0°♄	
			retrograde	-11391 Oct 28 j 14:37	0°♄35'37	
conjunction	-11396 May 11 j 23:26	27°♄31'06 -1°08'26		-11391 Nov 25 j 03:56	30°♄	
minimum elong	-11396 May 11 j 23:29	27°♄31'07 1°08'48	opposition	-11390 Jan 06 j 23:54	27°♄20'57 1°35'59	
max. Earth dist.	-11396 May 12 j 01:20	27°♄31'40 10.99981 AU	min. Earth dist.	-11390 Jan 07 j 19:30	27°♄17'23 9.30981 AU	
morning rise	-11396 May 29 j 02:04	29°♄30'28	direct	-11390 Mar 20 j 01:36	24°♄02'06	
	-11396 Jun 02 j 09:55	0°♄		-11390 Jun 21 j 19:57	0°♄	
retrograde	-11396 Sep 04 j 03:20	6°♄20'57	evening set	-11390 Jun 29 j 20:30	0°♄53'19	
opposition	-11396 Nov 11 j 15:36	3°♄04'01 -1°07'52	max. Earth dist.	-11390 Jul 15 j 08:21	2°♄39'18 11.29140 AU	
min. Earth dist.	-11396 Nov 11 j 15:39	3°♄04'00 9.06214 AU				
	-11395 Jan 01 j 21:26	30°♄	conjunction	-11390 Jul 16 j 08:44	2°♄46'18 1°30'29	
direct	-11395 Jan 22 j 02:40	29°♄40'40	minimum elong	-11390 Jul 16 j 08:41	2°♄46'18 1°30'48	
	-11395 Feb 11 j 06:46	0°♄	morning rise	-11390 Aug 01 j 18:47	4°♄38'46	
evening set	-11395 May 06 j 10:39	6°♄49'33	retrograde	-11390 Nov 08 j 22:23	11°♄22'28	
			opposition	-11389 Jan 18 j 13:10	8°♄07'14 2°02'51	
conjunction	-11395 May 23 j 15:13	8°♄48'07 -0°41'36	min. Earth dist.	-11389 Jan 19 j 11:33	8°♄03'10 9.26723 AU	
minimum elong	-11395 May 23 j 15:15	8°♄48'08 0°41'52	direct	-11389 Mar 31 j 09:47	4°♄48'43	
max. Earth dist.	-11395 May 23 j 12:12	8°♄47'15 11.11938 AU	evening set	-11389 Jul 10 j 18:14	11°♄41'31	
morning rise	-11395 Jun 09 j 14:25	10°♄45'14	max. Earth dist.	-11389 Jul 26 j 02:04	13°♄27'10 11.23322 AU	
retrograde	-11395 Sep 15 j 08:16	17°♄28'59				

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Attention, astronomical year style is used: The year -11389 in astronomical counting style is the year 11390 BCE in historical counting style.

conjunction	-11389 Jul 27 j 04:15	13° 8 34'46	1°50'50	morning rise	-11383 Oct 20 j 18:05	26° 20 '31	
minimum elong	-11389 Jul 27 j 04:12	13° 8 34'45	1°51'14		-11383 Nov 21 j 03:41	0° 0	
	-11389 Aug 08 j 11:39	15° 8		retrograde	-11382 Feb 04 j 06:39	4° 0 22'42	
morning rise	-11389 Aug 12 j 12:58	15° 8 27'44		opposition	-11382 Apr 15 j 03:29	0° 0 56'01	2°27'57
retrograde	-11389 Nov 20 j 11:18	22° 8 17'48		min. Earth dist.	-11382 Apr 15 j 15:59	0° 0 53'34	8.30801 AU
opposition	-11388 Jan 30 j 06:42	19° 8 01'38	2°25'43		-11382 Apr 27 j 05:29	30° 0 33'39	
min. Earth dist.	-11388 Jan 31 j 06:03	18° 8 57'23	9.19443 AU	direct	-11382 Jun 21 j 18:52	27° 0 33'39	
direct	-11388 Apr 10 j 18:40	15° 8 43'16			-11382 Aug 13 j 12:41	0° 0	
evening set	-11388 Jul 20 j 18:31	22° 8 39'13		evening set	-11382 Sep 30 j 07:40	5° 0 17'48	
max. Earth dist.	-11388 Aug 05 j 00:38	24° 8 25'29	11.14582 AU				
				conjunction	-11382 Oct 17 j 06:47	7° 0 28'35	1°48'30
conjunction	-11388 Aug 06 j 03:08	24° 8 33'15	2°07'25	minimum elong	-11382 Oct 17 j 06:51	7° 0 28'36	1°49'02
minimum elong	-11388 Aug 06 j 03:05	24° 8 33'14	2°07'54	max. Earth dist.	-11382 Oct 16 j 17:45	7° 0 24'22	10.22355 AU
morning rise	-11388 Aug 22 j 11:10	26° 8 27'15		morning rise	-11382 Nov 03 j 11:06	9° 0 41'05	
	-11388 Sep 24 j 22:56	0° 0			-11382 Dec 20 j 17:11	15° 0	
retrograde	-11388 Dec 01 j 09:50	3° 0 25'39		retrograde	-11381 Feb 18 j 22:55	17° 0 57'24	
opposition	-11387 Feb 10 j 05:52	0° 0 08'16	2°43'39		-11381 Apr 22 j 18:20	15° 0 33'39	
min. Earth dist.	-11387 Feb 11 j 05:19	0° 0 03'58	9.09347 AU	opposition	-11381 Apr 29 j 07:50	14° 0 28'45	1°59'11
	-11387 Feb 12 j 02:59	30° 0 33'39		min. Earth dist.	-11381 Apr 29 j 15:18	14° 0 27'16	8.14252 AU
direct	-11387 Apr 22 j 07:17	26° 8 49'46		direct	-11381 Jul 05 j 05:27	11° 0 05'08	
	-11387 Jun 25 j 15:49	0° 0			-11381 Sep 10 j 13:21	15° 0	
evening set	-11387 Jul 31 j 23:26	3° 0 25'02		evening set	-11381 Oct 14 j 03:01	19° 0 00'08	
max. Earth dist.	-11387 Aug 16 j 04:18	5° 0 37'45	11.03180 AU				
				conjunction	-11381 Oct 31 j 08:22	21° 0 15'04	1°21'46
conjunction	-11387 Aug 17 j 07:25	5° 0 45'48	2°19'29	minimum elong	-11381 Oct 31 j 08:26	21° 0 15'06	1°22'12
minimum elong	-11387 Aug 17 j 07:24	5° 0 45'47	2°20'02	max. Earth dist.	-11381 Oct 31 j 01:36	21° 0 12'51	10.06677 AU
morning rise	-11387 Sep 02 j 15:51	7° 0 41'27		morning rise	-11381 Nov 17 j 19:33	23° 0 31'56	
retrograde	-11387 Dec 13 j 15:40	14° 0 49'54			-11380 Jan 16 j 06:06	0° 0	
opposition	-11386 Feb 22 j 11:44	11° 0 31'01	2°55'44	retrograde	-11380 Mar 05 j 00:56	2° 0 00'56	
min. Earth dist.	-11386 Feb 23 j 11:25	11° 0 26'38	8.96741 AU		-11380 Apr 23 j 19:50	30° 0 33'39	
direct	-11386 May 03 j 22:20	8° 0 12'09		opposition	-11380 May 12 j 21:05	28° 0 30'31	1°22'18
evening set	-11386 Aug 12 j 10:32	15° 0 19'02		min. Earth dist.	-11380 May 12 j 23:03	28° 0 30'07	7.99629 AU
				direct	-11380 Jul 18 j 03:52	25° 0 05'33	
conjunction	-11386 Aug 28 j 18:54	17° 0 16'19	2°26'16		-11380 Oct 01 j 20:03	0° 0	
minimum elong	-11386 Aug 28 j 18:54	17° 0 16'19	2°26'53	evening set	-11380 Oct 27 j 12:40	3° 0 11'00	
max. Earth dist.	-11386 Aug 27 j 15:37	17° 0 08'06	10.89468 AU				
morning rise	-11386 Sep 14 j 04:59	19° 0 14'13		conjunction	-11380 Nov 14 j 00:34	5° 0 29'54	0°49'21
retrograde	-11386 Dec 26 j 06:42	26° 0 34'22		minimum elong	-11380 Nov 14 j 00:37	5° 0 29'55	0°49'39
opposition	-11385 Mar 07 j 01:36	23° 0 13'44	3°01'02	max. Earth dist.	-11380 Nov 14 j 01:18	5° 0 30'09	9.93392 AU
min. Earth dist.	-11385 Mar 08 j 00:45	23° 0 09'24	8.82003 AU	morning rise	-11380 Dec 01 j 18:29	7° 0 50'46	
direct	-11385 May 15 j 21:13	19° 0 54'14		retrograde	-11379 Mar 20 j 09:57	16° 0 29'59	
evening set	-11385 Aug 24 j 05:23	27° 0 08'45		opposition	-11379 May 27 j 17:24	12° 0 58'06	0°39'01
				min. Earth dist.	-11379 May 27 j 13:36	12° 0 58'54	7.87887 AU
conjunction	-11385 Sep 09 j 15:31	29° 0 08'35	2°27'05	direct	-11379 Aug 01 j 13:17	9° 0 31'49	
minimum elong	-11385 Sep 09 j 15:31	29° 0 08'35	2°27'44	evening set	-11379 Nov 11 j 12:08	17° 0 46'38	
max. Earth dist.	-11385 Sep 08 j 14:06	29° 0 00'48	10.73861 AU				
	-11385 Sep 16 j 15:31	0° 0		conjunction	-11379 Nov 29 j 06:12	20° 0 08'53	0°13'02
morning rise	-11385 Sep 26 j 04:18	1° 0 09'20		minimum elong	-11379 Nov 29 j 06:12	20° 0 08'53	0°13'10
retrograde	-11384 Jan 08 j 10:21	8° 0 42'39		behind sun begin	-11379 Nov 29 j 01:58	20° 0 07'28	
opposition	-11384 Mar 19 j 00:24	5° 0 20'04	2°58'38	behind sun end	-11379 Nov 29 j 10:27	20° 0 10'18	
min. Earth dist.	-11384 Mar 19 j 21:23	5° 0 16'06	8.65615 AU	max. Earth dist.	-11379 Nov 29 j 15:02	20° 0 11'50	9.83391 AU
direct	-11384 May 27 j 03:49	1° 0 59'47		morning rise	-11379 Dec 17 j 05:53	22° 0 32'58	
evening set	-11384 Sep 04 j 10:04	9° 0 23'14			-11378 Feb 25 j 14:08	0° 0	
				retrograde	-11378 Apr 04 j 23:13	1° 0 18'53	
conjunction	-11384 Sep 20 j 23:22	11° 0 26'14	2°21'18	desc. node	-11378 Apr 10 j 02:13	1° 0 17'26	
minimum elong	-11384 Sep 20 j 23:24	11° 0 26'15	2°21'56		-11378 May 13 j 16:05	30° 0 33'39	
max. Earth dist.	-11384 Sep 20 j 01:27	11° 0 19'24	10.56923 AU	opposition	-11378 Jun 11 j 18:21	27° 0 46'01	-0°07'55
morning rise	-11384 Oct 07 j 16:07	13° 0 30'27		min. Earth dist.	-11378 Jun 11 j 08:34	27° 0 48'03	7.79847 AU
retrograde	-11383 Jan 21 j 02:15	21° 0 18'01		direct	-11378 Aug 16 j 07:35	24° 0 18'29	
opposition	-11383 Apr 01 j 08:53	17° 0 53'23	2°47'46		-11378 Nov 05 j 22:29	0° 0	
min. Earth dist.	-11383 Apr 02 j 02:01	17° 0 50'05	8.48253 AU	evening set	-11378 Nov 26 j 23:16	2° 0 40'49	
direct	-11383 Jun 08 j 18:18	14° 0 32'08					
evening set	-11383 Sep 17 j 02:20	22° 0 05'37		conjunction	-11378 Dec 14 j 22:25	5° 0 05'26	-0°24'50
				minimum elong	-11378 Dec 14 j 22:24	5° 0 05'26	0°24'51
conjunction	-11383 Oct 03 j 20:03	24° 0 12'20	2°08'28	max. Earth dist.	-11378 Dec 15 j 15:06	5° 0 11'04	9.77404 AU
minimum elong	-11383 Oct 03 j 20:06	24° 0 12'21	2°09'04	morning rise	-11377 Jan 02 j 02:22	7° 0 31'36	
max. Earth dist.	-11383 Oct 03 j 02:05	24° 0 06'37	10.39440 AU	retrograde	-11377 Apr 20 j 13:10	16° 0 19'59	

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Attention, astronomical year style is used: The year -11377 in astronomical counting style is the year 11378 BCE in historical counting style.

opposition	-11377 Jun 26 j 21:18	12° Ω 46'39	-0°55'01	max. Earth dist.	-11371 Mar 17 j 11:08	2° \mathfrak{Z} 48'24	10.27514 AU
min. Earth dist.	-11377 Jun 26 j 05:57	12° Ω 49'52	7.76104 AU	morning rise	-11371 Apr 03 j 04:13	4° \mathfrak{Z} 54'06	
direct	-11377 Aug 31 j 08:04	9° Ω 18'03		retrograde	-11371 Jul 14 j 02:53	12° \mathfrak{Z} 39'20	
evening set	-11377 Dec 12 j 18:46	17° Ω 45'20		opposition	-11371 Sep 18 j 23:26	9° \mathfrak{Z} 14'07	-2°56'17
				min. Earth dist.	-11371 Sep 18 j 04:41	9° \mathfrak{Z} 17'54	8.36122 AU
conjunction	-11377 Dec 30 j 21:28	20° Ω 11'04	-1°01'15	direct	-11371 Nov 26 j 12:39	5° \mathfrak{Z} 45'26	
minimum elong	-11377 Dec 30 j 21:25	20° Ω 11'03	1°01'27	evening set	-11370 Mar 12 j 14:28	13° \mathfrak{Z} 40'04	
max. Earth dist.	-11377 Dec 31 j 20:54	20° Ω 18'58	9.75879 AU				
morning rise	-11376 Jan 18 j 03:47	22° Ω 37'56		conjunction	-11370 Mar 30 j 09:44	15° \mathfrak{Z} 51'36	-2°17'18
	-11376 Mar 26 j 19:39	0° \mathfrak{M}		minimum elong	-11370 Mar 30 j 09:46	15° \mathfrak{Z} 51'37	2°17'56
retrograde	-11376 May 04 j 23:54	1° \mathfrak{M} 24'08		max. Earth dist.	-11370 Mar 31 j 07:35	15° \mathfrak{Z} 58'22	10.44711 AU
	-11376 Jun 13 j 12:39	30° \mathfrak{R} Ω		morning rise	-11370 Apr 17 j 01:01	18° \mathfrak{Z} 01'48	
opposition	-11376 Jul 10 j 23:03	27° Ω 50'56	-1°38'28	retrograde	-11370 Jul 26 j 19:55	25° \mathfrak{Z} 32'05	
min. Earth dist.	-11376 Jul 10 j 03:22	27° Ω 55'05	7.76919 AU	opposition	-11370 Oct 01 j 23:09	22° \mathfrak{Z} 09'05	-2°41'49
direct	-11376 Sep 14 j 11:49	24° Ω 21'28		min. Earth dist.	-11370 Oct 01 j 07:09	22° \mathfrak{Z} 12'15	8.53472 AU
	-11376 Dec 05 j 06:34	0° \mathfrak{M}		direct	-11370 Dec 10 j 06:33	18° \mathfrak{Z} 41'33	
evening set	-11376 Dec 27 j 18:32	2° \mathfrak{M} 50'38		evening set	-11369 Mar 26 j 03:46	26° \mathfrak{Z} 24'48	
conjunction	-11375 Jan 14 j 22:58	5° \mathfrak{M} 16'08	-1°33'28	conjunction	-11369 Apr 12 j 19:59	28° \mathfrak{Z} 32'57	-2°02'56
minimum elong	-11375 Jan 14 j 22:54	5° \mathfrak{M} 16'06	1°33'48	minimum elong	-11369 Apr 12 j 20:02	28° \mathfrak{Z} 32'58	2°03'31
max. Earth dist.	-11375 Jan 16 j 03:20	5° \mathfrak{M} 25'39	9.78912 AU	max. Earth dist.	-11369 Apr 13 j 13:23	28° \mathfrak{Z} 38'15	10.62089 AU
morning rise	-11375 Feb 02 j 05:34	7° \mathfrak{M} 42'15			-11369 Apr 24 j 19:03	0° \approx	
	-11375 Apr 11 j 16:00	15° \mathfrak{M}		morning rise	-11369 Apr 30 j 07:25	0° \approx 39'37	
retrograde	-11375 May 20 j 04:28	16° \mathfrak{M} 21'47		retrograde	-11369 Aug 08 j 01:55	7° \approx 56'06	
	-11375 Jun 27 j 23:54	15° \mathfrak{R} \mathfrak{M}		opposition	-11369 Oct 14 j 13:23	4° \approx 35'16	-2°20'13
opposition	-11375 Jul 25 j 20:31	12° \mathfrak{M} 49'19	-2°14'50	min. Earth dist.	-11369 Oct 14 j 01:32	4° \approx 37'35	8.70578 AU
min. Earth dist.	-11375 Jul 24 j 22:03	12° \mathfrak{M} 54'03	7.82201 AU	direct	-11369 Dec 23 j 13:53	1° \approx 09'02	
direct	-11375 Sep 29 j 16:36	9° \mathfrak{M} 19'16		evening set	-11368 Apr 07 j 03:24	8° \approx 41'10	
	-11375 Dec 21 j 12:01	15° \mathfrak{M}					
evening set	-11374 Jan 12 j 17:17	17° \mathfrak{M} 46'57		conjunction	-11368 Apr 24 j 16:24	10° \approx 46'10	-1°43'21
				minimum elong	-11368 Apr 24 j 16:27	10° \approx 46'11	1°43'51
conjunction	-11374 Jan 30 j 21:44	20° \mathfrak{M} 10'58	-1°59'04	max. Earth dist.	-11368 Apr 25 j 04:28	10° \approx 49'46	10.78812 AU
minimum elong	-11374 Jan 30 j 21:39	20° \mathfrak{M} 10'56	1°59'32	morning rise	-11368 May 12 j 00:05	12° \approx 49'35	
max. Earth dist.	-11374 Feb 01 j 04:55	20° \mathfrak{M} 21'19	9.86256 AU		-11368 May 31 j 06:41	15° \approx	
morning rise	-11374 Feb 18 j 02:51	22° \mathfrak{M} 35'05		retrograde	-11368 Aug 18 j 23:13	19° \approx 54'00	
	-11374 Apr 30 j 23:47	0° \mathfrak{X}		opposition	-11368 Oct 25 j 19:33	16° \approx 35'09	-1°53'13
retrograde	-11374 Jun 03 j 23:29	1° \mathfrak{X} 04'06		min. Earth dist.	-11368 Oct 25 j 12:43	16° \approx 36'28	8.86667 AU
	-11374 Jul 08 j 02:13	30° \mathfrak{R} \mathfrak{M}			-11368 Nov 16 j 06:56	15° \mathfrak{R} \approx	
min. Earth dist.	-11374 Aug 08 j 11:55	27° \mathfrak{M} 37'50	7.91531 AU	direct	-11367 Jan 04 j 10:56	13° \approx 10'16	
opposition	-11374 Aug 09 j 11:22	27° \mathfrak{M} 32'54	-2°41'33		-11367 Feb 21 j 23:52	15° \approx	
direct	-11374 Oct 14 j 19:21	24° \mathfrak{M} 02'39		evening set	-11367 Apr 19 j 14:26	20° \approx 32'05	
	-11373 Jan 08 j 21:09	0° \mathfrak{X}					
evening set	-11373 Jan 28 j 09:53	2° \mathfrak{X} 25'32		conjunction	-11367 May 06 j 23:56	22° \approx 34'11	-1°19'53
				minimum elong	-11367 May 06 j 23:59	22° \approx 34'12	1°20'18
conjunction	-11373 Feb 15 j 13:02	4° \mathfrak{X} 47'05	-2°16'29	max. Earth dist.	-11367 May 07 j 05:36	22° \approx 35'51	10.94156 AU
minimum elong	-11373 Feb 15 j 12:59	4° \mathfrak{X} 47'04	2°17'03	morning rise	-11367 May 24 j 04:08	24° \approx 34'44	
max. Earth dist.	-11373 Feb 16 j 20:37	4° \mathfrak{X} 57'25	9.97353 AU		-11367 Jul 19 j 09:07	0° \mathfrak{H}	
morning rise	-11373 Mar 05 j 15:27	7° \mathfrak{X} 08'17		retrograde	-11367 Aug 30 j 11:14	1° \mathfrak{H} 29'07	
retrograde	-11373 Jun 18 j 06:13	15° \mathfrak{X} 23'59			-11367 Oct 12 j 14:42	30° \mathfrak{R} \approx	
opposition	-11373 Aug 23 j 17:28	11° \mathfrak{X} 54'29	-2°57'17	opposition	-11367 Nov 06 j 18:41	28° \approx 11'56	-1°22'28
min. Earth dist.	-11373 Aug 22 j 18:43	11° \mathfrak{X} 59'14	8.04218 AU	min. Earth dist.	-11367 Nov 06 j 16:51	28° \approx 12'17	9.01081 AU
direct	-11373 Oct 29 j 17:13	8° \mathfrak{X} 24'24		direct	-11366 Jan 16 j 23:12	24° \approx 48'25	
evening set	-11372 Feb 12 j 16:44	16° \mathfrak{X} 39'41			-11366 Apr 13 j 06:09	0° \mathfrak{H}	
				evening set	-11366 May 01 j 14:31	2° \mathfrak{H} 01'04	
conjunction	-11372 Mar 01 j 17:40	18° \mathfrak{X} 58'08	-2°25'05				
minimum elong	-11372 Mar 01 j 17:39	18° \mathfrak{X} 58'07	2°25'42	conjunction	-11366 May 18 j 20:31	4° \mathfrak{H} 00'38	-0°53'49
max. Earth dist.	-11372 Mar 02 j 23:16	19° \mathfrak{X} 07'39	10.11412 AU	minimum elong	-11366 May 18 j 20:33	4° \mathfrak{H} 00'38	0°54'08
morning rise	-11372 Mar 19 j 16:39	21° \mathfrak{X} 15'49		max. Earth dist.	-11366 May 18 j 19:35	4° \mathfrak{H} 00'21	11.07522 AU
retrograde	-11372 Jun 30 j 22:59	29° \mathfrak{X} 16'31		morning rise	-11366 Jun 04 j 21:25	5° \mathfrak{H} 58'42	
opposition	-11372 Sep 05 j 13:33	25° \mathfrak{X} 49'05	-3°01'55	retrograde	-11366 Sep 10 j 17:43	12° \mathfrak{H} 45'15	
min. Earth dist.	-11372 Sep 04 j 16:31	25° \mathfrak{X} 53'24	8.19394 AU	opposition	-11366 Nov 18 j 11:56	9° \mathfrak{H} 29'24	-0°49'25
direct	-11372 Nov 12 j 08:02	22° \mathfrak{X} 19'31		min. Earth dist.	-11366 Nov 18 j 14:18	9° \mathfrak{H} 28'57	9.13259 AU
	-11371 Feb 23 j 01:11	0° \mathfrak{Z}		direct	-11365 Jan 29 j 04:19	6° \mathfrak{H} 07'08	
evening set	-11371 Feb 26 j 10:50	0° \mathfrak{Z} 25'09		evening set	-11365 May 13 j 05:21	13° \mathfrak{H} 12'03	
conjunction	-11371 Mar 16 j 09:02	2° \mathfrak{Z} 40'09	-2°25'05	conjunction	-11365 May 30 j 07:58	15° \mathfrak{H} 09'28	-0°26'16
minimum elong	-11371 Mar 16 j 09:03	2° \mathfrak{Z} 40'10	2°25'43	minimum elong	-11365 May 30 j 07:59	15° \mathfrak{H} 09'28	0°26'28

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Attention, astronomical year style is used: The year -11365 in astronomical counting style is the year 11366 BCE in historical counting style.

max. Earth dist.	-11365 May 30 j 01:50	15° K 07'42	11.18389 AU	conjunction	-11359 Aug 01 j 16:44	19° S 55'11	2°00'32
morning rise	-11365 Jun 16 j 05:33	17° K 05'29		minimum elong	-11359 Aug 01 j 16:41	19° S 55'10	2°00'59
retrograde	-11365 Sep 21 j 22:00	23° K 46'28		max. Earth dist.	-11359 Jul 31 j 12:29	19° S 46'57	11.18159 AU
opposition	-11365 Nov 30 j 01:04	20° K 31'34	-0°15'19	morning rise	-11359 Aug 18 j 01:03	21° S 48'44	
min. Earth dist.	-11365 Nov 30 j 07:52	20° K 30'19	9.22719 AU	retrograde	-11359 Nov 26 j 12:02	28° S 43'19	
direct	-11364 Feb 10 j 00:35	17° K 10'27		opposition	-11358 Feb 05 j 08:03	25° S 26'17	2°36'21
asc. node	-11364 May 16 j 02:57	23° K 20'05		min. Earth dist.	-11358 Feb 06 j 09:18	25° S 21'40	9.13313 AU
evening set	-11364 May 23 j 12:57	24° K 09'18		direct	-11358 Apr 17 j 14:40	22° S 07'31	
				evening set	-11358 Jul 27 j 10:14	29° S 06'08	
conjunction	-11364 Jun 09 j 12:07	26° K 04'58	0°01'51		-11358 Aug 04 j 03:25	0° II	
minimum elong	-11364 Jun 09 j 12:06	26° K 04'58	0°01'45	conjunction	-11358 Aug 12 j 18:21	1° II 00'56	2°14'43
behind sun begin	-11364 Jun 09 j 05:06	26° K 02'59		minimum elong	-11358 Aug 12 j 18:18	1° II 00'55	2°15'14
behind sun end	-11364 Jun 09 j 19:07	26° K 06'57		max. Earth dist.	-11358 Aug 11 j 13:42	0° II 52'29	11.07525 AU
max. Earth dist.	-11364 Jun 09 j 01:04	26° K 01'49	11.26332 AU	morning rise	-11358 Aug 29 j 02:38	2° II 55'52	
morning rise	-11364 Jun 26 j 06:26	27° K 59'22		retrograde	-11358 Dec 08 j 12:43	9° II 59'48	
	-11364 Jul 14 j 21:16	0° Y		opposition	-11357 Feb 17 j 10:30	6° II 41'13	2°51'11
retrograde	-11364 Oct 01 j 22:54	4° Y 37'09		min. Earth dist.	-11357 Feb 18 j 11:30	6° II 36'37	9.01429 AU
opposition	-11364 Dec 10 j 11:48	1° Y 22'52	0°18'45	direct	-11357 Apr 29 j 04:56	3° II 22'03	
min. Earth dist.	-11364 Dec 10 j 23:40	1° Y 20'41	9.29124 AU	evening set	-11357 Aug 07 j 18:07	10° II 26'20	
	-11364 Dec 29 j 22:45	30° K		max. Earth dist.	-11357 Aug 22 j 23:02	12° II 14'38	10.94477 AU
direct	-11363 Feb 20 j 15:23	28° K 02'42					
	-11363 Apr 12 j 21:30	0° Y		conjunction	-11357 Aug 24 j 02:20	12° II 22'48	2°23'58
evening set	-11363 Jun 03 j 15:20	4° Y 57'16		minimum elong	-11357 Aug 24 j 02:18	12° II 22'48	2°24'33
conjunction	-11363 Jun 20 j 10:58	6° Y 51'37	0°29'28	morning rise	-11357 Sep 09 j 11:28	14° II 19'44	
minimum elong	-11363 Jun 20 j 10:57	6° Y 51'37	0°29'29	retrograde	-11357 Dec 21 j 00:32	21° II 34'48	
max. Earth dist.	-11363 Jun 19 j 18:15	6° Y 46'51	11.31109 AU	opposition	-11356 Feb 29 j 20:36	18° II 14'26	2°59'40
morning rise	-11363 Jul 07 j 02:30	8° Y 44'53		min. Earth dist.	-11356 Mar 01 j 19:51	18° II 10'06	8.87331 AU
retrograde	-11363 Oct 12 j 23:40	15° Y 21'45		direct	-11356 May 10 j 00:56	14° II 54'42	
opposition	-11363 Dec 21 j 21:29	12° Y 07'42	0°51'48	evening set	-11356 Aug 18 j 09:07	22° II 06'02	
min. Earth dist.	-11363 Dec 22 j 13:51	12° Y 04'43	9.32319 AU				
direct	-11362 Mar 04 j 02:32	8° Y 48'18		conjunction	-11356 Sep 03 j 18:27	24° II 04'49	2°27'33
evening set	-11362 Jun 14 j 14:08	15° Y 40'20		minimum elong	-11356 Sep 03 j 18:27	24° II 04'49	2°28'11
max. Earth dist.	-11362 Jun 30 j 09:24	17° Y 27'46	11.32642 AU	max. Earth dist.	-11356 Sep 02 j 16:26	23° II 56'54	10.79474 AU
				morning rise	-11356 Sep 20 j 05:47	26° II 04'20	
conjunction	-11362 Jul 01 j 06:30	17° Y 33'48	0°55'55		-11356 Oct 26 j 02:09	0° S	
minimum elong	-11362 Jul 01 j 06:28	17° Y 33'47	0°56'04	retrograde	-11355 Jan 01 j 23:59	3° S 32'01	
morning rise	-11362 Jul 17 j 19:34	19° Y 26'25		opposition	-11355 Mar 13 j 15:20	0° S 09'45	3°00'51
retrograde	-11362 Oct 24 j 01:28	26° Y 04'36		min. Earth dist.	-11355 Mar 14 j 12:38	0° S 05'44	8.71531 AU
opposition	-11361 Jan 02 j 07:36	22° Y 50'20	1°22'56		-11355 Mar 15 j 19:00	30° R II	
min. Earth dist.	-11361 Jan 03 j 02:52	22° Y 46'51	9.32255 AU	direct	-11355 May 22 j 02:11	26° II 49'17	
direct	-11361 Mar 15 j 11:43	19° Y 31'27			-11355 Jul 23 j 16:25	0° S	
evening set	-11361 Jun 25 j 11:17	26° Y 22'41		evening set	-11355 Aug 30 j 09:14	4° S 09'00	
max. Earth dist.	-11361 Jul 11 j 01:16	28° Y 08'59	11.30924 AU				
conjunction	-11361 Jul 12 j 00:50	28° Y 15'44	1°20'24	conjunction	-11355 Sep 15 j 20:56	6° S 10'40	2°24'48
minimum elong	-11361 Jul 12 j 00:47	28° Y 15'43	1°20'40	minimum elong	-11355 Sep 15 j 20:58	6° S 10'40	2°25'26
	-11361 Jul 27 j 06:40	0° S		max. Earth dist.	-11355 Sep 14 j 20:51	6° S 03'12	10.63084 AU
morning rise	-11361 Jul 28 j 11:36	0° S 08'07		morning rise	-11355 Oct 02 j 11:52	8° S 13'24	
retrograde	-11361 Nov 04 j 08:37	6° S 49'45		retrograde	-11354 Jan 15 j 08:46	15° S 54'49	
opposition	-11360 Jan 13 j 19:43	3° S 34'55	1°51'20	opposition	-11354 Mar 26 j 19:17	12° S 30'34	2°53'52
min. Earth dist.	-11360 Jan 14 j 17:07	3° S 31'02	9.28969 AU	min. Earth dist.	-11354 Mar 27 j 14:04	12° S 26'58	8.54656 AU
direct	-11360 Mar 25 j 20:03	0° S 16'20		direct	-11354 Jun 03 j 12:23	9° S 09'12	
evening set	-11360 Jul 05 j 08:34	7° S 08'23		evening set	-11354 Sep 11 j 19:59	16° S 38'27	
				conjunction	-11354 Sep 28 j 11:28	18° S 43'33	2°15'10
conjunction	-11360 Jul 21 j 19:39	9° S 01'30	1°42'11	minimum elong	-11354 Sep 28 j 11:31	18° S 43'34	2°15'48
minimum elong	-11360 Jul 21 j 19:36	9° S 01'29	1°42'34	max. Earth dist.	-11354 Sep 27 j 15:18	18° S 37'11	10.45988 AU
max. Earth dist.	-11360 Jul 20 j 17:45	8° S 54'01	11.26039 AU	morning rise	-11354 Oct 15 j 07:09	20° S 50'02	
morning rise	-11360 Aug 07 j 04:45	10° S 54'12		retrograde	-11353 Jan 29 j 06:22	28° S 45'50	
	-11360 Sep 16 j 13:04	15° S		opposition	-11353 Apr 09 j 09:18	25° S 19'35	2°38'05
retrograde	-11360 Nov 14 j 18:41	17° S 41'18		min. Earth dist.	-11353 Apr 10 j 00:13	25° S 16'41	8.37453 AU
	-11359 Jan 16 j 12:59	15° R S		direct	-11353 Jun 16 j 09:30	21° S 57'14	
opposition	-11359 Jan 24 j 11:31	14° S 25'32	2°16'05	evening set	-11353 Sep 24 j 18:51	29° S 36'46	
min. Earth dist.	-11359 Jan 25 j 11:16	14° S 21'13	9.22588 AU		-11353 Sep 27 j 20:33	0° N	
direct	-11359 Apr 06 j 03:00	11° S 06'59					
	-11359 Jun 17 j 23:19	15° S		conjunction	-11353 Oct 11 j 15:26	1° N 45'45	1°58'24
evening set	-11359 Jul 16 j 07:36	18° S 01'31		minimum elong	-11353 Oct 11 j 15:30	1° N 45'46	1°58'58

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Attention, astronomical year style is used: The year -11353 in astronomical counting style is the year 11354 BCE in historical counting style.

max. Earth dist.	-11353 Oct 11 j 01:09	1° Ω 41'10	10.28981 AU		-11346 Jan 17 j 06:23	0° \mathbb{M}	
morning rise	-11353 Oct 28 j 16:53	3° Ω 56'22		morning rise	-11346 Jan 26 j 11:03	1° \mathbb{M} 13'15	
retrograde	-11352 Feb 12 j 16:59	12° Ω 06'33		retrograde	-11346 May 13 j 21:39	9° \mathbb{M} 55'41	
opposition	-11352 Apr 22 j 09:16	8° Ω 38'22	2°13'16	opposition	-11346 Jul 19 j 15:44	6° \mathbb{M} 23'25	-1°59'32
min. Earth dist.	-11352 Apr 22 j 18:42	8° Ω 36'30	8.20788 AU	min. Earth dist.	-11346 Jul 18 j 18:35	6° \mathbb{M} 27'52	7.80929 AU
direct	-11352 Jun 28 j 16:01	5° Ω 14'58		direct	-11346 Sep 23 j 07:49	2° \mathbb{M} 54'12	
evening set	-11352 Oct 07 j 07:33	13° Ω 05'09		evening set	-11345 Jan 06 j 00:19	11° \mathbb{M} 22'12	
	-11352 Oct 22 j 02:13	15° Ω					
conjunction	-11352 Oct 24 j 10:10	15° Ω 18'16	1°34'36	conjunction	-11345 Jan 24 j 04:40	13° \mathbb{M} 46'44	-1°48'30
minimum elong	-11352 Oct 24 j 10:14	15° Ω 18'18	1°35'05	minimum elong	-11345 Jan 24 j 04:36	13° \mathbb{M} 46'42	1°48'54
max. Earth dist.	-11352 Oct 24 j 02:34	15° Ω 15'47	10.12969 AU	max. Earth dist.	-11345 Jan 25 j 10:16	13° \mathbb{M} 56'36	9.84199 AU
morning rise	-11352 Nov 10 j 18:08	17° Ω 33'13			-11345 Feb 02 j 08:53	15° \mathbb{M}	
retrograde	-11351 Feb 26 j 15:18	25° Ω 56'45		morning rise	-11345 Feb 11 j 10:39	16° \mathbb{M} 11'39	
opposition	-11351 May 06 j 18:25	22° Ω 26'50	1°39'50	retrograde	-11345 May 28 j 20:00	24° \mathbb{M} 45'02	
min. Earth dist.	-11351 May 06 j 21:43	22° Ω 26'11	8.05605 AU	min. Earth dist.	-11345 Aug 02 j 10:39	21° \mathbb{M} 18'37	7.88683 AU
direct	-11351 Jul 12 j 08:21	19° Ω 02'20		opposition	-11345 Aug 03 j 09:30	21° \mathbb{M} 13'49	-2°30'45
evening set	-11351 Oct 21 j 10:41	27° Ω 03'07		direct	-11345 Oct 08 j 12:32	17° \mathbb{M} 44'14	
				evening set	-11344 Jan 21 j 19:56	26° \mathbb{M} 08'48	
conjunction	-11351 Nov 07 j 19:45	29° Ω 20'17	1°04'33	conjunction	-11344 Feb 08 j 23:41	28° \mathbb{M} 31'17	-2°09'42
minimum elong	-11351 Nov 07 j 19:48	29° Ω 20'18	1°04'55	minimum elong	-11344 Feb 08 j 23:37	28° \mathbb{M} 31'16	2°10'13
max. Earth dist.	-11351 Nov 07 j 19:16	29° Ω 20'08	9.98908 AU	max. Earth dist.	-11344 Feb 10 j 06:21	28° \mathbb{M} 41'23	9.93731 AU
	-11351 Nov 12 j 19:40	0° \mathbb{M}			-11344 Feb 20 j 05:56	0° \mathbb{M}	
morning rise	-11351 Nov 25 j 10:29	1° \mathbb{M} 39'23		morning rise	-11344 Feb 27 j 03:26	0° \mathbb{M} 53'39	
retrograde	-11350 Mar 13 j 21:58	10° \mathbb{M} 14'18		retrograde	-11344 Jun 11 j 07:19	9° \mathbb{M} 14'56	
opposition	-11350 May 21 j 11:39	6° \mathbb{M} 42'57	0°59'07	opposition	-11344 Aug 16 j 19:21	5° \mathbb{M} 45'14	-2°51'29
min. Earth dist.	-11350 May 21 j 08:40	6° \mathbb{M} 43'34	7.92869 AU	min. Earth dist.	-11344 Aug 15 j 20:11	5° \mathbb{M} 50'03	7.99833 AU
direct	-11350 Jul 26 j 12:03	3° \mathbb{M} 17'20		direct	-11344 Oct 22 j 12:44	2° \mathbb{M} 15'38	
evening set	-11350 Nov 05 j 03:54	11° \mathbb{M} 27'56		evening set	-11343 Feb 05 j 07:28	10° \mathbb{M} 34'00	
conjunction	-11350 Nov 22 j 19:13	13° \mathbb{M} 48'43	0°29'41	conjunction	-11343 Feb 23 j 09:29	12° \mathbb{M} 53'42	-2°22'16
minimum elong	-11350 Nov 22 j 19:14	13° \mathbb{M} 48'44	0°29'54	minimum elong	-11343 Feb 23 j 09:27	12° \mathbb{M} 53'41	2°22'52
max. Earth dist.	-11350 Nov 23 j 02:05	13° \mathbb{M} 51'01	9.87738 AU	max. Earth dist.	-11343 Feb 24 j 15:26	13° \mathbb{M} 03'24	10.06286 AU
morning rise	-11350 Dec 10 j 16:15	16° \mathbb{M} 11'24		morning rise	-11343 Mar 13 j 09:58	15° \mathbb{M} 12'50	
retrograde	-11349 Mar 29 j 10:26	24° \mathbb{M} 54'39		retrograde	-11343 Jun 25 j 06:41	23° \mathbb{M} 20'03	
opposition	-11349 Jun 05 j 10:54	21° \mathbb{M} 22'18	0°13'24	opposition	-11343 Aug 30 j 19:54	19° \mathbb{M} 52'13	-3°01'04
min. Earth dist.	-11349 Jun 05 j 02:02	21° \mathbb{M} 24'08	7.83479 AU	min. Earth dist.	-11343 Aug 29 j 22:00	19° \mathbb{M} 56'44	8.13603 AU
direct	-11349 Aug 10 j 01:32	17° \mathbb{M} 55'36		direct	-11343 Nov 06 j 05:43	16° \mathbb{M} 22'57	
desc. node	-11349 Sep 20 j 02:18	19° \mathbb{M} 31'13		evening set	-11342 Feb 20 j 07:34	24° \mathbb{M} 32'48	
evening set	-11349 Nov 20 j 10:05	26° \mathbb{M} 14'32					
conjunction	-11349 Dec 08 j 06:55	28° \mathbb{M} 38'07	-0°07'53	conjunction	-11342 Mar 10 j 07:09	26° \mathbb{M} 49'18	-2°26'03
minimum elong	-11349 Dec 08 j 06:54	28° \mathbb{M} 38'06	0°07'50	minimum elong	-11342 Mar 10 j 07:09	26° \mathbb{M} 49'18	2°26'42
behind sun begin	-11349 Dec 08 j 00:19	28° \mathbb{M} 35'55		max. Earth dist.	-11342 Mar 11 j 10:42	26° \mathbb{M} 58'04	10.21105 AU
behind sun end	-11349 Dec 08 j 13:29	28° \mathbb{M} 40'18		morning rise	-11342 Mar 28 j 03:54	29° \mathbb{M} 04'50	
max. Earth dist.	-11349 Dec 08 j 21:04	28° \mathbb{M} 42'52	9.80282 AU		-11342 Apr 04 j 15:01	0° \mathbb{M}	
	-11349 Dec 18 j 10:26	0° \mathbb{M}		retrograde	-11342 Jul 08 j 18:23	6° \mathbb{M} 57'02	
morning rise	-11349 Dec 26 j 09:05	1° \mathbb{M} 03'24		opposition	-11342 Sep 13 j 10:35	3° \mathbb{M} 31'14	-2°59'55
retrograde	-11348 Apr 13 j 01:17	9° \mathbb{M} 50'58		min. Earth dist.	-11342 Sep 12 j 15:15	3° \mathbb{M} 35'10	8.29220 AU
opposition	-11348 Jun 19 j 13:22	6° \mathbb{M} 18'07	-0°34'07	direct	-11342 Nov 20 j 13:18	0° \mathbb{M} 02'33	
min. Earth dist.	-11348 Jun 18 j 23:30	6° \mathbb{M} 21'01	7.78153 AU	evening set	-11341 Mar 06 j 18:05	8° \mathbb{M} 02'13	
direct	-11348 Aug 23 j 22:59	2° \mathbb{M} 50'23					
evening set	-11348 Dec 05 j 02:26	11° \mathbb{M} 15'25		conjunction	-11341 Mar 24 j 14:49	10° \mathbb{M} 15'20	-2°21'38
conjunction	-11348 Dec 23 j 03:29	13° \mathbb{M} 40'38	-0°45'17	minimum elong	-11341 Mar 24 j 14:50	10° \mathbb{M} 15'21	2°22'16
minimum elong	-11348 Dec 23 j 03:26	13° \mathbb{M} 40'37	0°45'24	max. Earth dist.	-11341 Mar 25 j 14:17	10° \mathbb{M} 22'40	10.37365 AU
max. Earth dist.	-11348 Dec 24 j 00:19	13° \mathbb{M} 47'40	9.77117 AU	morning rise	-11341 Apr 11 j 07:45	12° \mathbb{M} 27'12	
morning rise	-11347 Jan 10 j 08:58	16° \mathbb{M} 07'13		retrograde	-11341 Jul 21 j 17:08	20° \mathbb{M} 04'19	
retrograde	-11347 Apr 28 j 14:17	24° \mathbb{M} 54'32		opposition	-11341 Sep 26 j 15:10	16° \mathbb{M} 40'37	-2°49'14
opposition	-11347 Jul 04 j 16:04	21° \mathbb{M} 21'42	-1°19'39	min. Earth dist.	-11341 Sep 25 j 23:31	16° \mathbb{M} 43'45	8.45828 AU
min. Earth dist.	-11347 Jul 03 j 22:01	21° \mathbb{M} 25'30	7.77294 AU	direct	-11341 Dec 04 j 12:46	13° \mathbb{M} 12'45	
direct	-11347 Sep 08 j 01:59	17° \mathbb{M} 53'08		evening set	-11340 Mar 19 j 14:25	21° \mathbb{M} 01'26	
evening set	-11347 Dec 21 j 00:50	26° \mathbb{M} 21'19					
conjunction	-11346 Jan 08 j 04:22	28° \mathbb{M} 46'50	-1°19'42	conjunction	-11340 Apr 06 j 08:01	23° \mathbb{M} 11'09	-2°10'04
minimum elong	-11346 Jan 08 j 04:18	28° \mathbb{M} 46'48	1°19'59	minimum elong	-11340 Apr 06 j 08:03	23° \mathbb{M} 11'10	2°10'40
max. Earth dist.	-11346 Jan 09 j 06:35	28° \mathbb{M} 55'39	9.78474 AU	max. Earth dist.	-11340 Apr 07 j 01:54	23° \mathbb{M} 16'38	10.54183 AU
				morning rise	-11340 Apr 23 j 21:13	25° \mathbb{M} 19'27	
					-11340 Jun 06 j 10:59	0° \mathbb{M}	
				retrograde	-11340 Aug 02 j 02:34	2° \mathbb{M} 42'19	

Attention, astronomical year style is used: The year -11340 in astronomical counting style is the year 11341 BCE in historical counting style.

	-11340 Sep 30 j 00:54	30° κ 3		max. Earth dist.	-11334 Jun 15 j 12:24	2° Υ 20'02	11.27230 AU
opposition	-11340 Oct 08 j 09:58	29° Z 20'39	-2°30'38	morning rise	-11334 Jul 02 j 19:16	4° Υ 17'57	
min. Earth dist.	-11340 Oct 07 j 22:10	29° Z 22'58	8.62568 AU	retrograde	-11334 Oct 08 j 13:43	10° Υ 55'34	
direct	-11340 Dec 17 j 02:45	25° Z 53'48		opposition	-11334 Dec 17 j 07:21	7° Υ 40'52	0°37'21
	-11339 Feb 28 j 22:26	0° \approx		min. Earth dist.	-11334 Dec 17 j 20:21	7° Υ 38'29	9.29276 AU
evening set	-11339 Apr 01 j 20:31	3° \approx 31'21		direct	-11333 Feb 27 j 13:27	4° Υ 20'36	
				evening set	-11333 Jun 10 j 05:21	11° Υ 14'09	
conjunction	-11339 Apr 19 j 10:54	5° \approx 37'49	-1°52'39				
minimum elong	-11339 Apr 19 j 10:57	5° \approx 37'50	1°53'12	conjunction	-11333 Jun 26 j 23:25	13° Υ 08'09	0°44'25
max. Earth dist.	-11339 Apr 19 j 22:51	5° \approx 41'26	10.70727 AU	minimum elong	-11333 Jun 26 j 23:23	13° Υ 08'09	0°44'30
morning rise	-11339 May 06 j 20:28	7° \approx 42'48		max. Earth dist.	-11333 Jun 26 j 06:00	13° Υ 03'11	11.30518 AU
retrograde	-11339 Aug 14 j 03:18	14° \approx 52'56		morning rise	-11333 Jul 13 j 13:31	15° Υ 01'10	
opposition	-11339 Oct 20 j 20:00	11° \approx 33'05	-2°05'52	retrograde	-11333 Oct 19 j 15:01	21° Υ 38'57	
min. Earth dist.	-11339 Oct 20 j 11:50	11° \approx 34'40	8.78649 AU	opposition	-11333 Dec 28 j 17:20	18° Υ 24'21	1°09'30
direct	-11339 Dec 30 j 05:50	8° \approx 07'24		min. Earth dist.	-11333 Dec 29 j 10:12	18° Υ 21'17	9.31049 AU
	-11338 Apr 09 j 14:16	15° \approx		direct	-11332 Mar 09 j 21:37	15° Υ 04'50	
evening set	-11338 Apr 14 j 13:08	15° \approx 34'16		evening set	-11332 Jun 20 j 03:14	21° Υ 56'40	
conjunction	-11338 May 02 j 00:21	17° \approx 37'48	-1°30'46	conjunction	-11332 Jul 06 j 18:03	23° Υ 49'59	1°09'53
minimum elong	-11338 May 02 j 00:25	17° \approx 37'49	1°31'13	minimum elong	-11332 Jul 06 j 18:00	23° Υ 49'59	1°10'06
max. Earth dist.	-11338 May 02 j 07:15	17° \approx 39'51	10.86246 AU	max. Earth dist.	-11332 Jul 05 j 20:30	23° Υ 43'49	11.30698 AU
morning rise	-11338 May 19 j 06:20	19° \approx 39'46		morning rise	-11332 Jul 23 j 05:50	25° Υ 42'33	
retrograde	-11338 Aug 25 j 20:10	26° \approx 39'00			-11332 Sep 04 j 09:40	0° B	
opposition	-11338 Nov 01 j 22:18	23° \approx 20'47	-1°36'36	retrograde	-11332 Oct 29 j 19:14	2° B 22'43	
min. Earth dist.	-11338 Nov 01 j 18:18	23° \approx 21'33	8.93381 AU		-11332 Dec 27 j 01:51	30° κ Υ	
direct	-11337 Jan 11 j 21:35	19° \approx 56'18		opposition	-11331 Jan 08 j 04:45	29° Υ 07'52	1°39'14
evening set	-11337 Apr 26 j 18:13	27° \approx 13'31		min. Earth dist.	-11331 Jan 09 j 00:55	29° Υ 04'12	9.29705 AU
				direct	-11331 Mar 21 j 06:28	25° Υ 48'54	
conjunction	-11337 May 14 j 02:07	29° \approx 14'24	-1°05'43		-11331 Jun 05 j 20:36	0° B	
minimum elong	-11337 May 14 j 02:10	29° \approx 14'25	1°06'03	evening set	-11331 Jul 01 j 00:28	2° B 40'43	
max. Earth dist.	-11337 May 14 j 03:55	29° \approx 14'56	11.00099 AU				
	-11337 May 20 j 13:55	0° H		conjunction	-11331 Jul 17 j 12:30	4° B 33'50	1°32'59
morning rise	-11337 May 31 j 04:32	1° H 13'44		minimum elong	-11331 Jul 17 j 12:27	4° B 33'49	1°33'18
retrograde	-11337 Sep 06 j 05:48	8° H 04'11		max. Earth dist.	-11331 Jul 16 j 12:03	4° B 26'48	11.27767 AU
opposition	-11337 Nov 13 j 18:15	4° H 47'19	-1°04'24	morning rise	-11331 Aug 02 j 22:28	6° B 26'26	
min. Earth dist.	-11337 Nov 13 j 19:24	4° H 47'06	9.06196 AU	retrograde	-11331 Nov 10 j 03:06	13° B 11'04	
direct	-11336 Jan 24 j 05:37	1° H 24'00		opposition	-11330 Jan 19 j 18:44	9° B 55'36	2°05'43
evening set	-11336 May 07 j 13:25	8° H 32'56		min. Earth dist.	-11330 Jan 20 j 16:38	9° B 51'38	9.25273 AU
				direct	-11330 Apr 01 j 14:36	6° B 36'59	
conjunction	-11336 May 24 j 17:45	10° H 31'30	-0°38'40	evening set	-11330 Jul 11 j 22:38	13° B 30'28	
minimum elong	-11336 May 24 j 17:47	10° H 31'30	0°38'55		-11330 Jul 24 j 22:23	15° B	
max. Earth dist.	-11336 May 24 j 13:35	10° H 30'17	11.11782 AU	max. Earth dist.	-11330 Jul 27 j 07:17	15° B 16'30	11.21794 AU
morning rise	-11336 Jun 10 j 16:51	12° H 28'36					
retrograde	-11336 Sep 16 j 10:43	19° H 12'29		conjunction	-11330 Jul 28 j 08:39	15° B 23'52	1°52'57
opposition	-11336 Nov 24 j 09:33	15° H 56'41	-0°30'34	minimum elong	-11330 Jul 28 j 08:36	15° B 23'51	1°53'22
min. Earth dist.	-11336 Nov 24 j 15:34	15° H 55'34	9.16659 AU	morning rise	-11330 Aug 13 j 17:14	17° B 17'00	
direct	-11335 Feb 04 j 05:22	12° H 34'30		retrograde	-11330 Nov 21 j 19:15	24° B 08'08	
evening set	-11335 May 19 j 00:18	19° H 36'37		opposition	-11329 Jan 31 j 13:03	20° B 51'45	2°28'03
				min. Earth dist.	-11329 Feb 01 j 11:45	20° B 47'37	9.17857 AU
conjunction	-11335 Jun 05 j 01:01	21° H 33'15	-0°10'43	direct	-11329 Apr 13 j 00:45	17° B 33'16	
minimum elong	-11335 Jun 05 j 01:01	21° H 33'15	0°10'52	evening set	-11329 Jul 22 j 23:41	24° B 29'59	
behind sun begin	-11335 Jun 04 j 19:39	21° H 31'43		max. Earth dist.	-11329 Aug 07 j 05:47	26° B 16'27	11.12943 AU
behind sun end	-11335 Jun 05 j 06:23	21° H 34'46					
max. Earth dist.	-11335 Jun 04 j 15:07	21° H 30'25	11.20920 AU	conjunction	-11329 Aug 08 j 08:14	26° B 24'12	2°09'02
morning rise	-11335 Jun 21 j 21:02	23° H 28'34		minimum elong	-11329 Aug 08 j 08:11	26° B 24'11	2°09'32
	-11335 Sep 14 j 17:58	0° Υ		morning rise	-11329 Aug 24 j 16:15	28° B 18'26	
retrograde	-11335 Sep 27 j 11:27	0° Υ 08'12			-11329 Sep 08 j 19:50	0° II	
	-11335 Oct 10 j 08:30	30° κ H		retrograde	-11329 Dec 03 j 16:51	5° II 17'57	
asc. node	-11335 Oct 26 j 17:13	29° H 27'08		opposition	-11328 Feb 12 j 13:07	2° II 00'22	2°45'21
opposition	-11335 Dec 05 j 21:26	26° H 53'06	0°03'41	min. Earth dist.	-11328 Feb 13 j 12:35	1° II 56'04	9.07680 AU
min. Earth dist.	-11335 Dec 06 j 07:08	26° H 51'19	9.24432 AU		-11328 Mar 12 j 22:28	30° κ B	
direct	-11334 Feb 16 j 00:10	23° H 31'55		direct	-11328 Apr 23 j 11:41	28° B 41'46	
	-11334 May 25 j 20:51	0° Υ			-11328 Jun 02 j 21:17	0° II	
evening set	-11334 May 30 j 04:58	0° Υ 28'55		evening set	-11328 Aug 02 j 05:23	5° II 43'17	
				max. Earth dist.	-11328 Aug 17 j 09:53	7° II 30'43	11.01502 AU
conjunction	-11334 Jun 16 j 02:19	2° Υ 24'01	0°17'19				
minimum elong	-11334 Jun 16 j 02:18	2° Υ 24'01	0°17'17	conjunction	-11328 Aug 18 j 13:17	7° II 38'52	2°20'31

Attention, astronomical year style is used: The year -11328 in astronomical counting style is the year 11329 BCE in historical counting style.

minimum elong	-11328 Aug 18 j 13:15	7° Π 38'51	2°21'05	max. Earth dist.	-11322 Nov 01 j 14:11	23° Ω 18'42	10.06175 AU
morning rise	-11328 Sep 03 j 21:55	9° Π 34'46		morning rise	-11322 Nov 19 j 07:44	25° Ω 37'41	
retrograde	-11328 Dec 14 j 23:11	16° Π 44'28			-11322 Dec 26 j 02:26	0° Π	
opposition	-11327 Feb 23 j 20:03	13° Π 25'23	2°56'41	retrograde	-11321 Mar 07 j 12:36	4° Π 07'07	
min. Earth dist.	-11327 Feb 24 j 19:47	13° Π 20'59	8.95071 AU	opposition	-11321 May 15 j 09:04	0° Π 36'41	1°17'47
direct	-11327 May 05 j 05:39	10° Π 06'24		min. Earth dist.	-11321 May 15 j 10:39	0° Π 36'22	7.99275 AU
evening set	-11327 Aug 13 j 17:12	17° Π 14'11			-11321 May 22 j 23:02	30° \mathbb{R} Ω	
max. Earth dist.	-11327 Aug 28 j 23:26	19° Π 03'47	10.87830 AU	direct	-11321 Jul 20 j 16:14	27° Ω 11'45	
					-11321 Sep 14 j 07:52	0° Π	
conjunction	-11327 Aug 30 j 01:44	19° Π 11'43	2°26'39	evening set	-11321 Oct 30 j 00:21	5° Π 17'29	
minimum elong	-11327 Aug 30 j 01:43	19° Π 11'43	2°27'15				
morning rise	-11327 Sep 15 j 12:01	21° Π 09'53		conjunction	-11321 Nov 16 j 12:50	7° Π 36'34	0°45'33
retrograde	-11327 Dec 27 j 16:37	28° Π 31'20		minimum elong	-11321 Nov 16 j 12:53	7° Π 36'35	0°45'49
opposition	-11326 Mar 08 j 10:48	25° Π 10'30	3°01'06	max. Earth dist.	-11321 Nov 16 j 15:00	7° Π 37'18	9.93194 AU
min. Earth dist.	-11326 Mar 09 j 09:05	25° Π 06'20	8.80423 AU	morning rise	-11321 Dec 04 j 07:08	9° Π 57'35	
direct	-11326 May 17 j 05:33	21° Π 50'56		retrograde	-11320 Mar 21 j 21:24	18° Π 36'56	
evening set	-11326 Aug 25 j 13:02	29° Π 06'17		opposition	-11320 May 29 j 05:25	15° Π 05'05	0°34'04
	-11326 Sep 01 j 22:34	0° \mathbb{E}		min. Earth dist.	-11320 May 29 j 00:46	15° Π 06'02	7.87855 AU
conjunction	-11326 Sep 10 j 23:29	1° \mathbb{E} 06'24	2°26'43	direct	-11320 Aug 03 j 01:31	11° Π 38'50	
minimum elong	-11326 Sep 10 j 23:30	1° \mathbb{E} 06'24	2°27'21	evening set	-11320 Nov 13 j 00:23	19° Π 53'44	
max. Earth dist.	-11326 Sep 09 j 23:38	0° \mathbb{E} 59'05	10.72359 AU	conjunction	-11320 Nov 30 j 18:56	22° Π 16'05	0°09'02
morning rise	-11326 Sep 27 j 12:30	3° \mathbb{E} 07'26		minimum elong	-11320 Nov 30 j 18:57	22° Π 16'05	0°09'09
retrograde	-11325 Jan 09 j 20:43	10° \mathbb{E} 41'57		behind sun begin	-11320 Nov 30 j 12:47	22° Π 14'02	
opposition	-11325 Mar 21 j 10:18	7° \mathbb{E} 19'11	2°57'45	behind sun end	-11320 Dec 01 j 01:07	22° Π 18'09	
min. Earth dist.	-11325 Mar 22 j 05:50	7° \mathbb{E} 15'29	8.64218 AU	max. Earth dist.	-11320 Dec 01 j 05:13	22° Π 19'31	9.83523 AU
direct	-11325 May 29 j 12:12	3° \mathbb{E} 58'51		morning rise	-11320 Dec 18 j 18:54	24° Π 40'14	
evening set	-11325 Sep 06 j 18:38	11° \mathbb{E} 23'02			-11319 Feb 01 j 19:30	0° \mathbb{E}	
max. Earth dist.	-11325 Sep 22 j 11:15	13° \mathbb{E} 19'46	10.55638 AU	desc. node	-11319 Mar 02 j 04:50	2° \mathbb{E} 18'52	
				retrograde	-11319 Apr 06 j 10:51	3° \mathbb{E} 25'56	
conjunction	-11325 Sep 23 j 08:16	13° \mathbb{E} 26'19	2°20'08		-11319 Jun 11 j 20:59	30° \mathbb{R} Π	
minimum elong	-11325 Sep 23 j 08:18	13° \mathbb{E} 26'20	2°20'46	opposition	-11319 Jun 13 j 06:06	29° Π 53'06	-0°12'57
morning rise	-11325 Oct 10 j 01:23	15° \mathbb{E} 30'49		min. Earth dist.	-11319 Jun 12 j 19:17	29° Π 55'21	7.80150 AU
retrograde	-11324 Jan 23 j 13:59	23° \mathbb{E} 19'25		direct	-11319 Aug 17 j 18:49	26° Π 25'38	
opposition	-11324 Apr 02 j 19:35	19° \mathbb{E} 54'38	2°45'52		-11319 Oct 19 j 17:23	0° \mathbb{E}	
min. Earth dist.	-11324 Apr 03 j 11:35	19° \mathbb{E} 51'33	8.47088 AU	evening set	-11319 Nov 28 j 11:56	4° \mathbb{E} 47'51	
direct	-11324 Jun 10 j 03:32	16° \mathbb{E} 33'21		conjunction	-11319 Dec 16 j 11:23	7° \mathbb{E} 12'27	-0°28'45
evening set	-11324 Sep 18 j 11:43	24° \mathbb{E} 07'27		minimum elong	-11319 Dec 16 j 11:21	7° \mathbb{E} 12'27	0°28'48
conjunction	-11324 Oct 05 j 05:45	26° \mathbb{E} 14'26	2°06'30	max. Earth dist.	-11319 Dec 17 j 05:03	7° \mathbb{E} 18'25	9.77864 AU
minimum elong	-11324 Oct 05 j 05:49	26° \mathbb{E} 14'27	2°07'06	morning rise	-11318 Jan 03 j 15:26	9° \mathbb{E} 38'34	
max. Earth dist.	-11324 Oct 04 j 12:02	26° \mathbb{E} 08'47	10.38401 AU	retrograde	-11318 Apr 22 j 00:59	18° \mathbb{E} 26'22	
morning rise	-11324 Oct 22 j 04:21	28° \mathbb{E} 22'56		opposition	-11318 Jun 28 j 08:33	14° \mathbb{E} 53'07	-0°59'45
	-11324 Nov 04 j 10:43	0° Ω		min. Earth dist.	-11318 Jun 27 j 16:30	14° \mathbb{E} 56'29	7.76725 AU
retrograde	-11323 Feb 05 j 19:29	6° Ω 25'58		direct	-11318 Sep 01 j 18:16	11° \mathbb{E} 24'33	
opposition	-11323 Apr 16 j 14:51	2° Ω 59'12	2°25'03	evening set	-11318 Dec 14 j 07:23	19° \mathbb{E} 51'30	
min. Earth dist.	-11323 Apr 17 j 02:55	2° Ω 56'50	8.29882 AU				
	-11323 Jun 02 j 09:59	30° \mathbb{R} \mathbb{E}		conjunction	-11317 Jan 01 j 10:08	22° \mathbb{E} 17'06	-1°04'48
direct	-11323 Jun 23 j 04:04	29° \mathbb{E} 36'48		minimum elong	-11317 Jan 01 j 10:04	22° \mathbb{E} 17'05	1°05'01
	-11323 Jul 13 j 17:25	0° Ω		max. Earth dist.	-11317 Jan 02 j 10:00	22° \mathbb{E} 25'09	9.76643 AU
evening set	-11323 Oct 01 j 17:57	7° Ω 21'30		morning rise	-11317 Jan 19 j 16:23	24° \mathbb{E} 43'49	
					-11317 Mar 04 j 22:16	0° \mathbb{M}	
conjunction	-11323 Oct 18 j 17:31	9° Ω 32'32	1°45'47	retrograde	-11317 May 07 j 11:58	3° \mathbb{M} 29'08	
minimum elong	-11323 Oct 18 j 17:35	9° Ω 32'33	1°46'18		-11317 Jul 12 j 14:46	30° \mathbb{R} \mathbb{E}	
max. Earth dist.	-11323 Oct 18 j 04:53	9° Ω 28'26	10.21575 AU	opposition	-11317 Jul 13 j 09:38	29° \mathbb{E} 56'01	-1°42'33
morning rise	-11323 Nov 04 j 22:29	11° Ω 45'19		min. Earth dist.	-11317 Jul 12 j 13:48	0° \mathbb{M} 00'12	7.77824 AU
	-11323 Dec 01 j 21:49	15° Ω		direct	-11317 Sep 16 j 22:11	26° \mathbb{E} 26'34	
retrograde	-11322 Feb 20 j 11:42	20° Ω 02'17			-11317 Nov 19 j 03:56	0° \mathbb{M}	
opposition	-11322 Apr 30 j 19:35	16° Ω 33'36	1°55'23	evening set	-11317 Dec 30 j 06:42	4° \mathbb{M} 55'13	
min. Earth dist.	-11322 May 01 j 02:56	16° Ω 32'08	8.13603 AU				
	-11322 May 21 j 03:24	15° \mathbb{R} Ω		conjunction	-11316 Jan 17 j 11:00	7° \mathbb{M} 20'28	-1°36'23
direct	-11322 Jul 06 j 15:55	13° Ω 09'58		minimum elong	-11316 Jan 17 j 10:56	7° \mathbb{M} 20'27	1°36'44
	-11322 Aug 20 j 14:08	15° Ω		max. Earth dist.	-11316 Jan 18 j 15:13	7° \mathbb{M} 29'56	9.79936 AU
evening set	-11322 Oct 15 j 14:05	21° Ω 05'26		morning rise	-11316 Feb 04 j 17:29	9° \mathbb{M} 46'22	
					-11316 Mar 19 j 21:42	15° \mathbb{M}	
conjunction	-11322 Nov 01 j 20:00	23° Ω 20'36	1°18'25	retrograde	-11316 May 21 j 15:38	18° \mathbb{M} 24'43	
minimum elong	-11322 Nov 01 j 20:03	23° Ω 20'38	1°18'50		-11316 Jul 25 j 18:08	15° \mathbb{R} \mathbb{M}	

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Attention, astronomical year style is used: The year -11316 in astronomical counting style is the year 11317 BCE in historical counting style.

min. Earth dist.	-11316 Jul 26 j 08:17	14° \mathbb{M} 57'01	7.83333 AU	retrograde	-11310 Aug 09 j 06:41	9° \approx 44'54	
opposition	-11316 Jul 27 j 06:14	14° \mathbb{M} 52'23	-2°17'58	opposition	-11310 Oct 15 j 18:13	6° \approx 24'07	-2°17'35
direct	-11316 Oct 01 j 03:32	11° \mathbb{M} 22'20		min. Earth dist.	-11310 Oct 15 j 07:36	6° \approx 26'12	8.71248 AU
	-11316 Dec 04 j 13:55	15° \mathbb{M}		direct	-11310 Dec 24 j 19:14	2° \approx 57'52	
evening set	-11315 Jan 14 j 04:43	19° \mathbb{M} 49'20		evening set	-11309 Apr 09 j 08:36	10° \approx 29'31	
conjunction	-11315 Feb 01 j 08:57	22° \mathbb{M} 13'03	-2°01'11	conjunction	-11309 Apr 26 j 21:22	12° \approx 34'23	-1°40'59
minimum elong	-11315 Feb 01 j 08:52	22° \mathbb{M} 13'01	2°01'39	minimum elong	-11309 Apr 26 j 21:25	12° \approx 34'24	1°41'29
max. Earth dist.	-11315 Feb 02 j 15:16	22° \mathbb{M} 23'06	9.87466 AU	max. Earth dist.	-11309 Apr 27 j 08:05	12° \approx 37'35	10.79343 AU
morning rise	-11315 Feb 19 j 13:55	24° \mathbb{M} 36'52		morning rise	-11309 May 14 j 04:57	14° \approx 37'41	
	-11315 Apr 07 j 00:31	0° \mathbb{Z}			-11309 May 17 j 09:39	15° \approx	
retrograde	-11315 Jun 05 j 08:11	3° \mathbb{Z} 04'34		retrograde	-11309 Aug 21 j 02:31	21° \approx 41'39	
	-11315 Aug 05 j 13:37	30° \mathbb{R} \mathbb{M}		opposition	-11309 Oct 28 j 00:01	18° \approx 22'50	-1°50'04
opposition	-11315 Aug 10 j 20:06	29° \mathbb{M} 33'31	-2°43'36	min. Earth dist.	-11309 Oct 27 j 18:08	18° \approx 23'58	8.87061 AU
min. Earth dist.	-11315 Aug 09 j 21:33	29° \mathbb{M} 38'15	7.92803 AU		-11309 Dec 31 j 05:11	15° \mathbb{R} \approx	
direct	-11315 Oct 16 j 06:18	26° \mathbb{M} 03'15		direct	-11308 Jan 06 j 15:52	14° \approx 57'56	
	-11315 Dec 23 j 11:17	0° \mathbb{Z}			-11308 Jan 13 j 03:40	15° \approx	
evening set	-11314 Jan 29 j 20:22	4° \mathbb{Z} 25'19		evening set	-11308 Apr 20 j 19:09	22° \approx 19'29	
conjunction	-11314 Feb 16 j 23:14	6° \mathbb{Z} 46'32	-2°17'43	conjunction	-11308 May 08 j 04:27	24° \approx 21'30	-1°17'09
minimum elong	-11314 Feb 16 j 23:11	6° \mathbb{Z} 46'31	2°18'17	minimum elong	-11308 May 08 j 04:30	24° \approx 21'31	1°17'32
max. Earth dist.	-11314 Feb 18 j 05:30	6° \mathbb{Z} 56'26	9.98654 AU	max. Earth dist.	-11308 May 08 j 08:40	24° \approx 22'45	10.94403 AU
morning rise	-11314 Mar 07 j 01:26	9° \mathbb{Z} 07'25		morning rise	-11308 May 25 j 08:35	26° \approx 22'00	
retrograde	-11314 Jun 19 j 12:30	17° \mathbb{Z} 21'44			-11308 Jun 28 j 14:10	0° \mathbb{H}	
min. Earth dist.	-11314 Aug 24 j 03:04	13° \mathbb{Z} 57'01	8.05534 AU	retrograde	-11308 Aug 31 j 14:38	3° \mathbb{H} 16'12	
opposition	-11314 Aug 25 j 01:12	13° \mathbb{Z} 52'25	-2°58'12	opposition	-11308 Nov 07 j 22:57	29° \approx 59'02	-1°18'56
direct	-11314 Oct 31 j 03:27	10° \mathbb{Z} 22'19			-11308 Nov 07 j 17:51	30° \mathbb{R} \approx	
evening set	-11313 Feb 14 j 01:57	18° \mathbb{Z} 36'42		min. Earth dist.	-11308 Nov 07 j 21:14	29° \approx 59'22	9.01182 AU
				direct	-11307 Jan 18 j 05:24	26° \approx 35'31	
conjunction	-11313 Mar 04 j 02:39	20° \mathbb{Z} 54'50	-2°25'25		-11307 Mar 27 j 09:33	0° \mathbb{H}	
minimum elong	-11313 Mar 04 j 02:38	20° \mathbb{Z} 54'50	2°26'03	evening set	-11307 May 02 j 18:54	3° \mathbb{H} 48'05	
max. Earth dist.	-11313 Mar 05 j 07:06	21° \mathbb{Z} 03'59	10.12713 AU				
morning rise	-11313 Mar 22 j 01:24	23° \mathbb{Z} 12'12		conjunction	-11307 May 20 j 00:48	5° \mathbb{H} 47'38	-0°50'48
	-11313 May 27 j 23:26	0° \mathbb{Z}		minimum elong	-11307 May 20 j 00:51	5° \mathbb{H} 47'38	0°51'05
retrograde	-11313 Jul 03 j 04:26	1° \mathbb{Z} 11'37		max. Earth dist.	-11307 May 19 j 23:36	5° \mathbb{H} 47'16	11.07482 AU
	-11313 Aug 08 j 18:06	30° \mathbb{R} \mathbb{Z}		morning rise	-11307 Jun 06 j 01:30	7° \mathbb{H} 45'40	
opposition	-11313 Sep 07 j 20:16	27° \mathbb{Z} 44'18	-3°01'45	retrograde	-11307 Sep 11 j 22:57	14° \mathbb{H} 32'18	
min. Earth dist.	-11313 Sep 06 j 23:24	27° \mathbb{Z} 48'35	8.20662 AU	opposition	-11307 Nov 19 j 16:26	11° \mathbb{H} 16'26	-0°45'37
direct	-11313 Nov 14 j 16:15	24° \mathbb{Z} 14'44		min. Earth dist.	-11307 Nov 19 j 18:50	11° \mathbb{H} 15'59	9.13079 AU
	-11312 Feb 09 j 08:23	0° \mathbb{Z}		direct	-11306 Jan 30 j 08:35	7° \mathbb{H} 54'13	
evening set	-11312 Feb 28 j 18:47	2° \mathbb{Z} 19'26		evening set	-11306 May 14 j 09:36	14° \mathbb{H} 59'13	
conjunction	-11312 Mar 17 j 16:53	4° \mathbb{Z} 34'12	-2°24'35	conjunction	-11306 May 31 j 12:06	16° \mathbb{H} 56'39	-0°23'05
minimum elong	-11312 Mar 17 j 16:54	4° \mathbb{Z} 34'12	2°25'13	minimum elong	-11306 May 31 j 12:07	16° \mathbb{H} 56'39	0°23'16
max. Earth dist.	-11312 Mar 18 j 18:20	4° \mathbb{Z} 42'14	10.28725 AU	max. Earth dist.	-11306 May 31 j 06:09	16° \mathbb{H} 54'56	11.18086 AU
morning rise	-11312 Apr 04 j 11:48	6° \mathbb{Z} 47'51		morning rise	-11306 Jun 17 j 09:25	18° \mathbb{H} 52'41	
retrograde	-11312 Jul 15 j 08:41	14° \mathbb{Z} 31'56		retrograde	-11306 Sep 23 j 02:20	25° \mathbb{H} 33'57	
min. Earth dist.	-11312 Sep 19 j 10:35	11° \mathbb{Z} 10'34	8.37251 AU	opposition	-11306 Dec 01 j 05:57	22° \mathbb{H} 19'03	-0°11'23
opposition	-11312 Sep 20 j 05:16	11° \mathbb{Z} 06'48	-2°55'09	min. Earth dist.	-11306 Dec 01 j 13:27	22° \mathbb{H} 17'40	9.22306 AU
direct	-11312 Nov 27 j 19:50	7° \mathbb{Z} 38'07		direct	-11305 Feb 11 j 04:40	18° \mathbb{H} 57'57	
evening set	-11311 Mar 13 j 21:25	15° \mathbb{Z} 31'56		asc. node	-11305 Apr 04 j 09:45	20° \mathbb{H} 59'50	
				evening set	-11305 May 25 j 17:24	25° \mathbb{H} 57'02	
conjunction	-11311 Mar 31 j 16:36	17° \mathbb{Z} 43'16	-2°16'03	conjunction	-11305 Jun 11 j 16:16	27° \mathbb{H} 52'43	0°05'07
minimum elong	-11311 Mar 31 j 16:38	17° \mathbb{Z} 43'16	2°16'41	minimum elong	-11305 Jun 11 j 16:16	27° \mathbb{H} 52'43	0°05'02
max. Earth dist.	-11311 Apr 01 j 14:15	17° \mathbb{Z} 49'58	10.45746 AU	behind sun begin	-11305 Jun 11 j 09:27	27° \mathbb{H} 50'48	
morning rise	-11311 Apr 18 j 07:33	19° \mathbb{Z} 53'14		behind sun end	-11305 Jun 11 j 23:05	27° \mathbb{H} 54'39	
retrograde	-11311 Jul 28 j 00:38	27° \mathbb{Z} 22'33		max. Earth dist.	-11305 Jun 11 j 04:26	27° \mathbb{H} 49'21	11.25816 AU
opposition	-11311 Oct 03 j 04:21	23° \mathbb{Z} 59'37	-2°39'51	morning rise	-11305 Jun 28 j 10:28	29° \mathbb{H} 47'10	
min. Earth dist.	-11311 Oct 02 j 13:02	24° \mathbb{Z} 02'40	8.54391 AU		-11305 Jun 30 j 08:22	0° \mathbb{Y}	
direct	-11311 Dec 11 j 13:05	20° \mathbb{Z} 32'04		retrograde	-11305 Oct 04 j 03:40	6° \mathbb{Y} 25'22	
evening set	-11310 Mar 27 j 09:48	28° \mathbb{Z} 14'39		opposition	-11305 Dec 12 j 16:57	3° \mathbb{Y} 11'04	0°22'41
	-11310 Apr 10 j 23:22	0° \approx		min. Earth dist.	-11305 Dec 13 j 05:32	3° \mathbb{Y} 08'46	9.28518 AU
conjunction	-11310 Apr 14 j 01:52	0° \approx 22'38	-2°01'04		-11304 Feb 08 j 20:47	30° \mathbb{R} \mathbb{H}	
minimum elong	-11310 Apr 14 j 01:55	0° \approx 22'39	2°01'39	direct	-11304 Feb 22 j 20:06	29° \mathbb{Z} 50'55	
max. Earth dist.	-11310 Apr 14 j 18:49	0° \approx 27'47	10.62888 AU		-11304 Mar 07 j 19:03	0° \mathbb{Y}	
morning rise	-11310 May 01 j 13:00	2° \approx 29'07		evening set	-11304 Jun 04 j 20:00	6° \mathbb{Y} 45'50	

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Attention, astronomical year style is used: The year -11304 in astronomical counting style is the year 11305 BCE in historical counting style.

conjunction	-11304 Jun 21 j 15:20	8° Υ 40'14	0°32'40	conjunction	-11298 Aug 25 j 10:44	14° Π 22'38	2°24'41
minimum elong	-11304 Jun 21 j 15:19	8° Υ 40'13	0°32'42	minimum elong	-11298 Aug 25 j 10:43	14° Π 22'38	2°25'16
max. Earth dist.	-11304 Jun 20 j 21:58	8° Υ 35'16	11.30402 AU	morning rise	-11298 Sep 10 j 20:02	16° Π 19'49	
morning rise	-11304 Jul 08 j 06:45	10° Υ 33'34		retrograde	-11298 Dec 22 j 12:49	23° Π 36'08	
retrograde	-11304 Oct 14 j 04:06	17° Υ 11'02		opposition	-11297 Mar 03 j 07:24	20° Π 15'37	3°00'10
opposition	-11304 Dec 23 j 03:07	13° Υ 56'54	0°55'37	min. Earth dist.	-11297 Mar 04 j 06:20	20° Π 11'20	8.85747 AU
min. Earth dist.	-11304 Dec 23 j 19:15	13° Υ 53'58	9.31513 AU	direct	-11297 May 12 j 09:29	16° Π 55'50	
direct	-11303 Mar 05 j 07:59	10° Υ 37'31		evening set	-11297 Aug 20 j 18:23	24° Π 08'00	
evening set	-11303 Jun 15 j 19:01	17° Υ 30'01		max. Earth dist.	-11297 Sep 05 j 01:41	25° Π 59'04	10.77903 AU
conjunction	-11303 Jul 02 j 11:13	19° Υ 23'34	0°58'58	conjunction	-11297 Sep 06 j 03:48	26° Π 07'02	2°27'31
minimum elong	-11303 Jul 02 j 11:11	19° Υ 23'33	0°59'08	minimum elong	-11297 Sep 06 j 03:48	26° Π 07'02	2°28'09
max. Earth dist.	-11303 Jul 01 j 14:38	19° Υ 17'41	11.31730 AU	morning rise	-11297 Sep 22 j 15:30	28° Π 06'52	
morning rise	-11303 Jul 19 j 00:01	21° Υ 16'15			-11297 Oct 08 j 21:33	0° Θ	
retrograde	-11303 Oct 25 j 09:22	27° Υ 55'14		retrograde	-11296 Jan 04 j 10:52	5° Θ 35'47	
opposition	-11302 Jan 03 j 13:55	24° Υ 40'54	1°26'32	opposition	-11296 Mar 15 j 03:07	2° Θ 13'20	3°00'21
min. Earth dist.	-11302 Jan 04 j 08:46	24° Υ 37'29	9.31244 AU	min. Earth dist.	-11296 Mar 16 j 00:26	2° Θ 09'18	8.69984 AU
direct	-11302 Mar 16 j 18:07	21° Υ 22'03			-11296 Apr 16 j 06:29	30° κ Π	
evening set	-11302 Jun 26 j 16:41	28° Υ 13'50		direct	-11296 May 23 j 11:55	28° Π 52'46	
max. Earth dist.	-11302 Jul 12 j 06:37	0° \mathcal{B} 00'17	11.29811 AU		-11296 Jun 28 j 18:54	0° Θ	
	-11302 Jul 12 j 05:39	0° \mathcal{B}		evening set	-11296 Aug 31 j 19:22	6° Θ 13'19	
conjunction	-11302 Jul 13 j 06:03	0° \mathcal{B} 07'00	1°23'12	max. Earth dist.	-11296 Sep 16 j 08:02	8° Θ 08'01	10.61587 AU
minimum elong	-11302 Jul 13 j 06:00	0° \mathcal{B} 06'59	1°23'29	conjunction	-11296 Sep 17 j 07:21	8° Θ 15'15	2°23'56
morning rise	-11302 Jul 29 j 16:37	1° \mathcal{B} 59'31		minimum elong	-11296 Sep 17 j 07:23	8° Θ 15'15	2°24'35
retrograde	-11302 Nov 05 j 15:00	8° \mathcal{B} 42'03		morning rise	-11296 Oct 03 j 22:42	10° Θ 18'18	
opposition	-11301 Jan 15 j 02:46	5° \mathcal{B} 27'09	1°54'33	retrograde	-11295 Jan 16 j 21:18	18° Θ 00'54	
min. Earth dist.	-11301 Jan 16 j 00:33	5° \mathcal{B} 23'12	9.27771 AU	opposition	-11295 Mar 28 j 07:59	14° Θ 36'26	2°52'19
direct	-11301 Mar 28 j 00:26	2° \mathcal{B} 08'34		min. Earth dist.	-11295 Mar 29 j 02:20	14° Θ 32'55	8.53218 AU
evening set	-11301 Jul 07 j 14:38	9° \mathcal{B} 01'20		direct	-11295 Jun 05 j 00:49	11° Θ 14'58	
max. Earth dist.	-11301 Jul 22 j 22:47	10° \mathcal{B} 46'52	11.24754 AU	evening set	-11295 Sep 13 j 07:00	18° Θ 44'56	
conjunction	-11301 Jul 24 j 01:26	10° \mathcal{B} 54'34	1°44'37	conjunction	-11295 Sep 29 j 23:01	20° Θ 50'21	2°13'28
minimum elong	-11301 Jul 24 j 01:23	10° \mathcal{B} 54'33	1°45'00	minimum elong	-11295 Sep 29 j 23:04	20° Θ 50'22	2°14'04
morning rise	-11301 Aug 09 j 10:31	12° \mathcal{B} 47'26		max. Earth dist.	-11295 Sep 29 j 04:25	20° Θ 44'28	10.44627 AU
	-11301 Aug 29 j 18:20	15° \mathcal{B}		morning rise	-11295 Oct 16 j 19:09	22° Θ 57'09	
retrograde	-11301 Nov 17 j 02:38	19° \mathcal{B} 35'36			-11295 Dec 29 j 02:14	0° \mathcal{Q}	
opposition	-11300 Jan 26 j 19:22	16° \mathcal{B} 19'45	2°18'50	retrograde	-11294 Jan 30 j 20:49	0° \mathcal{Q} 54'01	
min. Earth dist.	-11300 Jan 27 j 19:36	16° \mathcal{B} 15'20	9.21232 AU		-11294 Mar 05 j 02:21	30° κ Θ	
	-11300 Feb 14 j 14:21	15° \mathcal{R} \mathcal{B}		opposition	-11294 Apr 10 j 22:38	27° Θ 27'32	2°35'28
direct	-11300 Apr 07 j 10:28	13° \mathcal{B} 01'11		min. Earth dist.	-11294 Apr 11 j 12:25	27° Θ 24'51	8.36185 AU
	-11300 May 28 j 04:31	15° \mathcal{B}		direct	-11294 Jun 17 j 21:32	24° Θ 05'04	
evening set	-11300 Jul 17 j 14:17	19° \mathcal{B} 56'30			-11294 Sep 11 j 23:55	0° \mathcal{Q}	
conjunction	-11300 Aug 02 j 23:17	21° \mathcal{B} 50'21	2°02'30	evening set	-11294 Sep 26 j 06:56	1° \mathcal{Q} 45'13	
minimum elong	-11300 Aug 02 j 23:14	21° \mathcal{B} 50'20	2°02'58	conjunction	-11294 Oct 13 j 04:05	3° \mathcal{Q} 54'30	1°55'51
max. Earth dist.	-11300 Aug 01 j 19:18	21° \mathcal{B} 42'10	11.16733 AU	minimum elong	-11294 Oct 13 j 04:08	3° \mathcal{Q} 54'32	1°56'24
morning rise	-11300 Aug 19 j 07:36	23° \mathcal{B} 44'05		max. Earth dist.	-11294 Oct 12 j 15:02	3° \mathcal{Q} 50'19	10.27815 AU
	-11300 Oct 30 j 03:37	0° Π		morning rise	-11294 Oct 30 j 06:00	6° \mathcal{Q} 05'26	
retrograde	-11300 Nov 27 j 20:24	0° Π 39'51		retrograde	-11293 Feb 14 j 08:12	14° \mathcal{Q} 16'28	
	-11300 Dec 27 j 02:29	30° \mathcal{R} \mathcal{B}		opposition	-11293 Apr 24 j 23:02	10° \mathcal{Q} 48'03	2°09'39
opposition	-11299 Feb 06 j 16:51	27° \mathcal{B} 22'41	2°38'28	min. Earth dist.	-11293 Apr 25 j 07:10	10° \mathcal{Q} 46'27	8.19744 AU
min. Earth dist.	-11299 Feb 07 j 17:36	27° \mathcal{B} 18'10	9.11834 AU	direct	-11293 Jul 01 j 04:05	7° \mathcal{Q} 24'32	
direct	-11299 Apr 18 j 21:55	24° \mathcal{B} 03'55			-11293 Oct 07 j 20:42	15° \mathcal{Q}	
	-11299 Jul 19 j 10:42	0° Π		evening set	-11293 Oct 09 j 20:32	15° \mathcal{Q} 15'15	
evening set	-11299 Jul 28 j 17:38	1° Π 03'22		conjunction	-11293 Oct 26 j 23:38	17° \mathcal{Q} 28'38	1°31'20
max. Earth dist.	-11299 Aug 12 j 22:15	2° Π 50'12	11.05997 AU	minimum elong	-11293 Oct 26 j 23:42	17° \mathcal{Q} 28'40	1°31'48
conjunction	-11299 Aug 14 j 01:50	2° Π 58'22	2°16'07	max. Earth dist.	-11293 Oct 26 j 16:36	17° \mathcal{Q} 26'20	10.12059 AU
minimum elong	-11299 Aug 14 j 01:47	2° Π 58'21	2°16'38	morning rise	-11293 Nov 13 j 08:11	19° \mathcal{Q} 43'51	
morning rise	-11299 Aug 30 j 10:05	4° Π 53'31		retrograde	-11292 Feb 29 j 06:11	28° \mathcal{Q} 07'59	
retrograde	-11299 Dec 09 j 23:34	11° Π 58'43		opposition	-11292 May 08 j 08:36	24° \mathcal{Q} 37'53	1°35'23
opposition	-11298 Feb 18 j 20:18	8° Π 39'59	2°52'33	min. Earth dist.	-11292 May 08 j 11:00	21° \mathcal{Q} 37'23	8.04842 AU
min. Earth dist.	-11298 Feb 19 j 20:21	8° Π 35'33	8.99872 AU	direct	-11292 Jul 13 j 21:38	21° \mathcal{Q} 13'14	
direct	-11298 Apr 30 j 13:51	5° Π 20'48		evening set	-11292 Oct 23 j 00:24	29° \mathcal{Q} 14'24	
evening set	-11298 Aug 09 j 02:26	12° Π 25'55			-11292 Oct 28 j 20:05	0° \mathcal{P}	
max. Earth dist.	-11298 Aug 24 j 07:42	14° Π 14'32	10.92897 AU				

Attention, astronomical year style is used: The year -11292 in astronomical counting style is the year 11293 BCE in historical counting style.

conjunction	-11292 Nov 09 j 09:55	1° $\mathring{\text{M}}$ 31'48	1°00'43	conjunction	-11285 Feb 10 j 12:56	0° Z 37'57	-2°11'26
minimum elong	-11292 Nov 09 j 09:58	1° $\mathring{\text{M}}$ 31'49	1°01'03	minimum elong	-11285 Feb 10 j 12:52	0° Z 37'55	2°11'58
max. Earth dist.	-11292 Nov 09 j 09:33	1° $\mathring{\text{M}}$ 31'40	9.98305 AU	max. Earth dist.	-11285 Feb 11 j 20:30	0° Z 48'19	9.94994 AU
morning rise	-11292 Nov 27 j 01:18	3° $\mathring{\text{M}}$ 51'07		morning rise	-11285 Feb 28 j 16:18	2° Z 59'58	
retrograde	-11291 Mar 15 j 12:52	12° $\mathring{\text{M}}$ 26'18		retrograde	-11285 Jun 13 j 17:39	11° Z 19'57	
opposition	-11291 May 23 j 01:58	8° $\mathring{\text{M}}$ 54'50	0°54'03	min. Earth dist.	-11285 Aug 18 j 06:34	7° Z 55'16	8.01229 AU
min. Earth dist.	-11291 May 22 j 22:42	8° $\mathring{\text{M}}$ 55'30	7.92426 AU	opposition	-11285 Aug 19 j 05:52	7° Z 50'24	-2°52'59
direct	-11291 Jul 28 j 01:29	5° $\mathring{\text{M}}$ 29'03		direct	-11285 Oct 24 j 23:43	4° Z 20'51	
evening set	-11291 Nov 06 j 18:21	13° $\mathring{\text{M}}$ 39'54		evening set	-11284 Feb 07 j 19:43	12° Z 38'16	
conjunction	-11291 Nov 24 j 10:05	16° $\mathring{\text{M}}$ 00'50	0°25'31	conjunction	-11284 Feb 25 j 21:32	14° Z 57'40	-2°23'03
minimum elong	-11291 Nov 24 j 10:06	16° $\mathring{\text{M}}$ 00'51	0°25'42	minimum elong	-11284 Feb 25 j 21:30	14° Z 57'40	2°23'38
max. Earth dist.	-11291 Nov 24 j 16:54	16° $\mathring{\text{M}}$ 03'07	9.87464 AU	max. Earth dist.	-11284 Feb 27 j 03:41	15° Z 07'25	10.07784 AU
morning rise	-11291 Dec 12 j 07:40	18° $\mathring{\text{M}}$ 23'40		morning rise	-11284 Mar 14 j 21:39	17° Z 16'26	
retrograde	-11290 Mar 31 j 01:07	27° $\mathring{\text{M}}$ 06'50		retrograde	-11284 Jun 26 j 16:39	25° Z 22'11	
opposition	-11290 Jun 07 j 00:58	23° $\mathring{\text{M}}$ 34'24	0°08'05	min. Earth dist.	-11284 Aug 31 j 08:08	21° Z 58'55	8.15158 AU
min. Earth dist.	-11290 Jun 06 j 16:16	23° $\mathring{\text{M}}$ 36'13	7.83372 AU	opposition	-11284 Sep 01 j 05:21	21° Z 54'33	-3°01'22
desc. node	-11290 Aug 10 j 05:33	20° $\mathring{\text{M}}$ 07'40		direct	-11284 Nov 07 j 15:26	18° Z 25'19	
direct	-11290 Aug 11 j 15:16	20° $\mathring{\text{M}}$ 07'33		evening set	-11283 Feb 21 j 18:35	26° Z 34'09	
evening set	-11290 Nov 22 j 00:52	28° $\mathring{\text{M}}$ 26'35		conjunction	-11283 Mar 11 j 17:51	28° Z 50'20	-2°25'54
	-11290 Dec 03 j 16:57	0° $\mathring{\text{U}}$		minimum elong	-11283 Mar 11 j 17:51	28° Z 50'20	2°26'32
conjunction	-11290 Dec 09 j 22:03	0° $\mathring{\text{U}}$ 50'13	-0°12'06	max. Earth dist.	-11283 Mar 12 j 20:33	28° Z 58'49	10.22676 AU
minimum elong	-11290 Dec 09 j 22:02	0° $\mathring{\text{U}}$ 50'13	0°12'04		-11283 Mar 20 j 21:28	0° $\mathring{\text{Z}}$	
behind sun begin	-11290 Dec 09 j 17:07	0° $\mathring{\text{U}}$ 48'34		morning rise	-11283 Mar 29 j 14:20	1° $\mathring{\text{Z}}$ 05'32	
behind sun end	-11290 Dec 10 j 02:58	0° $\mathring{\text{U}}$ 51'51		retrograde	-11283 Jul 10 j 03:01	8° $\mathring{\text{Z}}$ 56'18	
max. Earth dist.	-11290 Dec 10 j 12:22	0° $\mathring{\text{U}}$ 55'02	9.80341 AU	opposition	-11283 Sep 14 j 19:05	5° $\mathring{\text{Z}}$ 30'45	-2°59'07
morning rise	-11290 Dec 28 j 00:34	3° $\mathring{\text{U}}$ 15'33		min. Earth dist.	-11283 Sep 14 j 00:47	5° $\mathring{\text{Z}}$ 34'28	8.30770 AU
retrograde	-11289 Apr 15 j 15:22	12° $\mathring{\text{U}}$ 02'43		direct	-11283 Nov 21 j 23:32	2° $\mathring{\text{Z}}$ 02'09	
opposition	-11289 Jun 22 j 03:05	8° $\mathring{\text{U}}$ 29'50	-0°39'17	evening set	-11282 Mar 08 j 03:45	10° $\mathring{\text{Z}}$ 00'51	
min. Earth dist.	-11289 Jun 21 j 13:15	8° $\mathring{\text{U}}$ 32'44	7.78380 AU	conjunction	-11282 Mar 26 j 00:09	12° $\mathring{\text{Z}}$ 13'39	-2°20'38
direct	-11289 Aug 26 j 13:04	5° $\mathring{\text{U}}$ 02'01		minimum elong	-11282 Mar 26 j 00:10	12° $\mathring{\text{Z}}$ 13'39	2°21'16
evening set	-11289 Dec 07 j 17:12	13° $\mathring{\text{U}}$ 26'57		max. Earth dist.	-11282 Mar 26 j 22:07	12° $\mathring{\text{Z}}$ 20'30	10.38863 AU
conjunction	-11289 Dec 25 j 18:31	15° $\mathring{\text{U}}$ 52'07	-0°49'14	morning rise	-11282 Apr 12 j 16:54	14° $\mathring{\text{Z}}$ 25'14	
minimum elong	-11289 Dec 25 j 18:28	15° $\mathring{\text{U}}$ 52'06	0°49'23	retrograde	-11282 Jul 22 j 22:47	22° $\mathring{\text{Z}}$ 01'08	
max. Earth dist.	-11289 Dec 26 j 15:50	15° $\mathring{\text{U}}$ 59'19	9.77500 AU	opposition	-11282 Sep 27 j 22:47	18° $\mathring{\text{Z}}$ 37'39	-2°47'29
morning rise	-11288 Jan 13 j 00:08	18° $\mathring{\text{U}}$ 18'39		min. Earth dist.	-11282 Sep 27 j 07:46	18° $\mathring{\text{Z}}$ 40'40	8.47253 AU
retrograde	-11288 Apr 30 j 03:39	27° $\mathring{\text{U}}$ 05'18		direct	-11282 Dec 05 j 23:05	15° $\mathring{\text{Z}}$ 09'54	
min. Earth dist.	-11288 Jul 05 j 10:47	23° $\mathring{\text{U}}$ 36'21	7.77836 AU	evening set	-11281 Mar 21 j 22:50	22° $\mathring{\text{Z}}$ 57'42	
opposition	-11288 Jul 06 j 05:08	23° $\mathring{\text{U}}$ 32'29	-1°24'18	conjunction	-11281 Apr 08 j 16:13	25° $\mathring{\text{Z}}$ 07'10	-2°08'20
direct	-11288 Sep 09 j 16:27	20° $\mathring{\text{U}}$ 03'52		minimum elong	-11281 Apr 08 j 16:16	25° $\mathring{\text{Z}}$ 07'11	2°08'56
evening set	-11288 Dec 22 j 15:30	28° $\mathring{\text{U}}$ 31'47		max. Earth dist.	-11281 Apr 09 j 08:49	25° $\mathring{\text{Z}}$ 12'15	10.55514 AU
	-11287 Jan 02 j 16:52	0° $\mathring{\text{M}}$		morning rise	-11281 Apr 26 j 05:16	27° $\mathring{\text{Z}}$ 15'13	
conjunction	-11287 Jan 09 j 19:13	0° $\mathring{\text{M}}$ 57'11	-1°23'07		-11281 May 20 j 05:53	0° $\mathring{\text{Z}}$	
minimum elong	-11287 Jan 09 j 19:08	0° $\mathring{\text{M}}$ 57'09	1°23'25	retrograde	-11281 Aug 04 j 08:57	4° $\mathring{\text{Z}}$ 37'08	
max. Earth dist.	-11287 Jan 10 j 22:04	1° $\mathring{\text{M}}$ 06'12	9.79161 AU	opposition	-11281 Oct 10 j 16:48	1° $\mathring{\text{Z}}$ 55'38	-2°28'05
morning rise	-11287 Jan 28 j 01:49	3° $\mathring{\text{M}}$ 23'26		min. Earth dist.	-11281 Oct 10 j 05:06	1° $\mathring{\text{Z}}$ 17'56	8.63781 AU
retrograde	-11287 May 15 j 09:57	12° $\mathring{\text{M}}$ 04'57			-11281 Oct 27 j 02:41	30° $\mathring{\text{R}}$ $\mathring{\text{Z}}$	
min. Earth dist.	-11287 Jul 20 j 06:17	8° $\mathring{\text{M}}$ 37'21	7.81763 AU	direct	-11281 Dec 19 j 11:05	27° $\mathring{\text{Z}}$ 48'56	
opposition	-11287 Jul 21 j 03:59	8° $\mathring{\text{M}}$ 32'47	-2°03'20		-11280 Feb 09 j 22:38	0° $\mathring{\text{Z}}$	
direct	-11287 Sep 24 j 21:46	5° $\mathring{\text{M}}$ 03'35		evening set	-11280 Apr 03 j 04:00	5° $\mathring{\text{Z}}$ 25'44	
evening set	-11286 Jan 07 j 14:35	13° $\mathring{\text{M}}$ 31'09		conjunction	-11280 Apr 20 j 18:18	7° $\mathring{\text{Z}}$ 32'03	-1°50'20
	-11286 Jan 18 j 20:13	15° $\mathring{\text{M}}$		minimum elong	-11280 Apr 20 j 18:22	7° $\mathring{\text{Z}}$ 32'04	1°50'51
conjunction	-11286 Jan 25 j 18:58	15° $\mathring{\text{M}}$ 55'29	-1°51'09	max. Earth dist.	-11280 Apr 21 j 05:49	7° $\mathring{\text{Z}}$ 35'31	10.71815 AU
minimum elong	-11286 Jan 25 j 18:54	15° $\mathring{\text{M}}$ 55'27	1°51'34	morning rise	-11280 May 08 j 03:37	9° $\mathring{\text{Z}}$ 36'49	
max. Earth dist.	-11286 Jan 27 j 01:23	16° $\mathring{\text{M}}$ 05'37	9.85172 AU		-11280 Jun 30 j 19:12	15° $\mathring{\text{Z}}$	
morning rise	-11286 Feb 13 j 00:40	18° $\mathring{\text{M}}$ 20'08		retrograde	-11280 Aug 15 j 09:55	16° $\mathring{\text{Z}}$ 46'13	
retrograde	-11286 May 30 j 07:02	26° $\mathring{\text{M}}$ 52'26			-11280 Oct 01 j 04:19	15° $\mathring{\text{R}}$ $\mathring{\text{Z}}$	
opposition	-11286 Aug 04 j 20:59	23° $\mathring{\text{M}}$ 21'22	-2°33'28	opposition	-11280 Oct 22 j 02:24	13° $\mathring{\text{Z}}$ 26'32	-2°02'41
min. Earth dist.	-11286 Aug 03 j 21:28	23° $\mathring{\text{M}}$ 26'18	7.89802 AU	min. Earth dist.	-11280 Oct 21 j 18:39	13° $\mathring{\text{Z}}$ 28'02	8.79587 AU
direct	-11286 Oct 10 j 01:02	19° $\mathring{\text{M}}$ 51'51		direct	-11280 Dec 31 j 12:19	10° $\mathring{\text{Z}}$ 00'59	
evening set	-11285 Jan 23 j 09:18	28° $\mathring{\text{M}}$ 15'44			-11279 Mar 24 j 18:44	15° $\mathring{\text{Z}}$	
	-11285 Feb 05 j 17:26	0° Z		evening set	-11279 Apr 15 j 20:02	17° $\mathring{\text{Z}}$ 27'18	

Attention, astronomical year style is used: The year -11279 in astronomical counting style is the year 11280 BCE in historical counting style.

conjunction	-11279 May 03 j 07:06	19° \approx 30'41	-1°27'59	conjunction	-11273 Jul 09 j 00:25	25° Υ 43'52	1°12'58
minimum elong	-11279 May 03 j 07:10	19° \approx 30'42	1°28'25	minimum elong	-11273 Jul 09 j 00:22	25° Υ 43'51	1°13'12
max. Earth dist.	-11279 May 03 j 13:45	19° \approx 32'40	10.87036 AU	morning rise	-11273 Jul 25 j 12:06	27° Υ 36'33	
morning rise	-11279 May 20 j 12:45	21° \approx 32'31			-11273 Aug 16 j 19:32	0° \mathcal{B}	
retrograde	-11279 Aug 27 j 02:04	28° \approx 31'18		retrograde	-11273 Nov 01 j 02:18	4° \mathcal{B} 17'33	
opposition	-11279 Nov 03 j 04:36	25° \approx 13'12	-1°32'58	opposition	-11272 Jan 10 j 12:53	1° \mathcal{B} 02'31	1°42'49
min. Earth dist.	-11279 Nov 03 j 01:43	25° \approx 13'45	8.94011 AU	min. Earth dist.	-11272 Jan 11 j 08:58	0° \mathcal{B} 58'52	9.28399 AU
direct	-11278 Jan 13 j 04:43	21° \approx 48'49			-11272 Jan 25 j 02:49	30° $\mathcal{R}\Upsilon$	
evening set	-11278 Apr 28 j 00:41	29° \approx 05'41		direct	-11272 Mar 22 j 13:47	27° Υ 43'27	
	-11278 May 05 j 20:48	0° \mathcal{H}			-11272 May 16 j 16:07	0° \mathcal{B}	
				evening set	-11272 Jul 02 j 07:32	4° \mathcal{B} 35'55	
conjunction	-11278 May 15 j 08:18	1° \mathcal{H} 06'27	-1°02'35	conjunction	-11272 Jul 18 j 19:27	6° \mathcal{B} 29'09	1°35'43
minimum elong	-11278 May 15 j 08:20	1° \mathcal{H} 06'28	1°02'55	minimum elong	-11272 Jul 18 j 19:24	6° \mathcal{B} 29'08	1°36'04
max. Earth dist.	-11278 May 15 j 09:00	1° \mathcal{H} 06'40	11.00569 AU	max. Earth dist.	-11272 Jul 17 j 19:32	6° \mathcal{B} 22'15	11.26325 AU
morning rise	-11278 Jun 01 j 10:31	3° \mathcal{H} 05'42		morning rise	-11272 Aug 04 j 05:11	8° \mathcal{B} 21'53	
retrograde	-11278 Sep 07 j 11:35	9° \mathcal{H} 55'55			-11272 Oct 30 j 02:04	15° \mathcal{B}	
opposition	-11278 Nov 15 j 00:29	6° \mathcal{H} 39'09	-1°00'26	retrograde	-11272 Nov 11 j 13:08	15° \mathcal{B} 07'34	
min. Earth dist.	-11278 Nov 15 j 02:46	6° \mathcal{H} 38'43	9.06507 AU		-11272 Nov 24 j 01:31	15° $\mathcal{R}\mathcal{B}$	
direct	-11277 Jan 25 j 11:41	3° \mathcal{H} 15'53		opposition	-11271 Jan 21 j 03:45	11° \mathcal{B} 51'55	2°08'50
evening set	-11277 May 09 j 19:33	10° \mathcal{H} 24'39		min. Earth dist.	-11271 Jan 22 j 01:06	11° \mathcal{B} 48'02	9.23714 AU
				direct	-11271 Apr 02 j 23:23	8° \mathcal{B} 33'11	
conjunction	-11277 May 26 j 23:35	12° \mathcal{H} 23'09	-0°35'20		-11271 Jul 09 j 05:11	15° \mathcal{B}	
minimum elong	-11277 May 26 j 23:37	12° \mathcal{H} 23'10	0°35'34	evening set	-11271 Jul 13 j 06:16	15° \mathcal{B} 27'24	
max. Earth dist.	-11277 May 26 j 17:58	12° \mathcal{H} 21'32	11.11922 AU				
morning rise	-11277 Jun 12 j 22:37	14° \mathcal{H} 20'14		conjunction	-11271 Jul 29 j 16:09	17° \mathcal{B} 20'59	1°55'14
retrograde	-11277 Sep 18 j 15:16	21° \mathcal{H} 04'08		minimum elong	-11271 Jul 29 j 16:06	17° \mathcal{B} 20'58	1°55'40
opposition	-11277 Nov 26 j 15:47	17° \mathcal{H} 48'21	-0°26'25	max. Earth dist.	-11271 Jul 28 j 14:54	17° \mathcal{B} 13'39	11.20124 AU
min. Earth dist.	-11277 Nov 26 j 22:04	17° \mathcal{H} 47'11	9.16629 AU	morning rise	-11271 Aug 15 j 00:36	19° \mathcal{B} 14'19	
direct	-11276 Feb 06 j 12:33	14° \mathcal{H} 26'10		retrograde	-11271 Nov 23 j 05:03	26° \mathcal{B} 06'38	
evening set	-11276 May 20 j 06:19	21° \mathcal{H} 28'19		opposition	-11270 Feb 01 j 23:02	22° \mathcal{B} 50'03	2°30'35
				min. Earth dist.	-11270 Feb 02 j 21:51	22° \mathcal{B} 45'53	9.16099 AU
conjunction	-11276 Jun 06 j 06:52	23° \mathcal{H} 24'56	-0°07'18	direct	-11270 Apr 14 j 08:06	19° \mathcal{B} 31'28	
minimum elong	-11276 Jun 06 j 06:52	23° \mathcal{H} 24'56	0°07'25	evening set	-11270 Jul 24 j 08:10	26° \mathcal{B} 29'03	
behind sun begin	-11276 Jun 06 j 00:27	23° \mathcal{H} 23'06					
behind sun end	-11276 Jun 06 j 13:17	23° \mathcal{H} 26'45		conjunction	-11270 Aug 09 j 16:33	28° \mathcal{B} 23'29	2°10'47
max. Earth dist.	-11276 Jun 05 j 20:41	23° \mathcal{H} 22'01	11.20715 AU	minimum elong	-11270 Aug 09 j 16:30	28° \mathcal{B} 23'28	2°11'17
morning rise	-11276 Jun 23 j 02:39	25° \mathcal{H} 20'14		max. Earth dist.	-11270 Aug 08 j 13:34	28° \mathcal{B} 15'33	11.11107 AU
	-11276 Aug 09 j 18:30	0° Υ			-11270 Aug 23 j 10:31	0° Π	
asc. node	-11276 Sep 11 j 23:55	1° Υ 45'58		morning rise	-11270 Aug 26 j 00:41	0° Π 17'57	
retrograde	-11276 Sep 28 j 19:04	2° Υ 00'07		retrograde	-11270 Dec 05 j 03:24	7° Π 18'49	
	-11276 Nov 19 j 18:07	30° $\mathcal{R}\mathcal{H}$		opposition	-11269 Feb 13 j 23:57	4° Π 01'01	2°47'09
opposition	-11276 Dec 07 j 03:57	28° \mathcal{H} 44'59	0°07'53	min. Earth dist.	-11269 Feb 14 j 23:47	3° Π 56'38	9.05784 AU
min. Earth dist.	-11276 Dec 07 j 13:43	28° \mathcal{H} 43'11	9.24052 AU	direct	-11269 Apr 25 j 21:33	0° Π 42'17	
direct	-11275 Feb 17 j 07:20	25° \mathcal{H} 23'49		evening set	-11269 Aug 04 j 14:39	7° Π 44'49	
	-11275 May 09 j 12:24	0° Υ					
evening set	-11275 May 31 j 11:04	2° Υ 20'57		conjunction	-11269 Aug 20 j 22:34	9° Π 40'39	2°21'36
				minimum elong	-11269 Aug 20 j 22:33	9° Π 40'39	2°22'10
conjunction	-11275 Jun 17 j 08:13	4° Υ 16'05	0°20'44	max. Earth dist.	-11269 Aug 19 j 19:33	9° Π 32'36	10.99561 AU
minimum elong	-11275 Jun 17 j 08:12	4° Υ 16'05	0°20'43	morning rise	-11269 Sep 06 j 07:21	11° Π 36'50	
max. Earth dist.	-11275 Jun 16 j 18:18	4° Υ 12'07	11.26677 AU	retrograde	-11269 Dec 17 j 11:31	18° Π 48'00	
morning rise	-11275 Jul 04 j 00:52	6° Υ 10'03		opposition	-11268 Feb 26 j 07:54	15° Π 28'42	2°57'37
retrograde	-11275 Oct 09 j 20:02	12° Υ 48'06		min. Earth dist.	-11268 Feb 27 j 07:09	15° Π 24'23	8.93104 AU
opposition	-11275 Dec 18 j 14:30	9° Υ 33'20	0°41'28	direct	-11268 May 06 j 16:17	12° Π 09'37	
min. Earth dist.	-11275 Dec 19 j 04:14	9° Υ 30'49	9.28563 AU	evening set	-11268 Aug 15 j 03:21	19° Π 18'26	
direct	-11274 Feb 28 j 19:00	6° Υ 13'02		max. Earth dist.	-11268 Aug 30 j 11:08	21° Π 08'44	10.85859 AU
evening set	-11274 Jun 11 j 11:39	13° Υ 06'54					
max. Earth dist.	-11274 Jun 27 j 11:00	14° Υ 55'41	11.29642 AU	conjunction	-11268 Aug 31 j 12:07	21° Π 16'17	2°26'58
				minimum elong	-11268 Aug 31 j 12:07	21° Π 16'17	2°27'35
conjunction	-11274 Jun 28 j 05:23	15° Υ 00'57	0°47'43	morning rise	-11268 Sep 16 j 22:33	23° Π 14'47	
minimum elong	-11274 Jun 28 j 05:22	15° Υ 00'56	0°47'50		-11268 Dec 01 j 11:44	0° \mathcal{B}	
morning rise	-11274 Jul 14 j 19:21	16° Υ 54'02		retrograde	-11268 Dec 29 j 05:52	0° \mathcal{B} 37'47	
retrograde	-11274 Oct 20 j 22:21	23° Υ 32'29			-11267 Jan 26 j 10:36	30° $\mathcal{R}\Pi$	
opposition	-11274 Dec 30 j 00:59	20° Υ 17'45	1°13'24	opposition	-11267 Mar 09 j 23:48	27° Π 16'43	3°01'04
min. Earth dist.	-11274 Dec 30 j 18:41	20° Υ 14'31	9.30029 AU	min. Earth dist.	-11267 Mar 10 j 20:47	27° Π 12'47	8.78476 AU
direct	-11273 Mar 12 j 05:21	16° Υ 58'08		direct	-11267 May 18 j 16:40	23° Π 57'06	
evening set	-11273 Jun 22 j 09:54	23° Υ 50'28			-11267 Aug 16 j 15:31	0° \mathcal{B}	
max. Earth dist.	-11273 Jul 08 j 02:13	25° Υ 37'30	11.29525 AU				

Attention, astronomical year style is used: The year -11267 in astronomical counting style is the year 11268 BCE in historical counting style.

evening set	-11267 Aug 27 j 00:21	1° $\overline{5}$ 13'31		conjunction	-11261 Dec 03 j 12:59	24° $\overline{7}$ 36'15	0°04'27
				minimum elong	-11261 Dec 03 j 12:59	24° $\overline{7}$ 36'15	0°04'33
conjunction	-11267 Sep 12 j 11:08	3° $\overline{5}$ 13'58	2°26'12	behind sun begin	-11261 Dec 03 j 05:49	24° $\overline{7}$ 33'52	
minimum elong	-11267 Sep 12 j 11:09	3° $\overline{5}$ 13'59	2°26'49	behind sun end	-11261 Dec 03 j 20:09	24° $\overline{7}$ 38'38	
max. Earth dist.	-11267 Sep 11 j 12:11	3° $\overline{5}$ 06'55	10.70468 AU	max. Earth dist.	-11261 Dec 04 j 00:10	24° $\overline{7}$ 40'00	9.83448 AU
morning rise	-11267 Sep 29 j 00:29	5° $\overline{5}$ 15'22		morning rise	-11261 Dec 21 j 13:18	27° $\overline{7}$ 00'31	
retrograde	-11266 Jan 11 j 12:36	12° $\overline{5}$ 51'23			-11260 Jan 14 j 06:59	0° $\overline{5}$	
opposition	-11266 Mar 23 j 00:21	9° $\overline{5}$ 28'25	2°56'37	desc. node	-11260 Jan 17 j 07:23	0° $\overline{5}$ 21'19	
min. Earth dist.	-11266 Mar 23 j 18:48	9° $\overline{5}$ 24'55	8.62412 AU	retrograde	-11260 Apr 08 j 05:54	5° $\overline{5}$ 46'08	
direct	-11266 May 31 j 00:28	6° $\overline{5}$ 08'00		opposition	-11260 Jun 14 j 23:02	2° $\overline{5}$ 13'20	-0°18'42
evening set	-11266 Sep 08 j 07:10	13° $\overline{5}$ 33'12		min. Earth dist.	-11260 Jun 14 j 11:24	2° $\overline{5}$ 15'45	7.80282 AU
					-11260 Jul 13 j 22:44	30° \overline{R} $\overline{7}$	
conjunction	-11266 Sep 24 j 21:08	15° $\overline{5}$ 36'50	2°18'43	direct	-11260 Aug 19 j 10:44	28° $\overline{7}$ 45'50	
minimum elong	-11266 Sep 24 j 21:10	15° $\overline{5}$ 36'50	2°19'21		-11260 Sep 24 j 09:37	0° $\overline{5}$	
max. Earth dist.	-11266 Sep 24 j 00:26	15° $\overline{5}$ 30'21	10.53950 AU	evening set	-11260 Nov 30 j 06:06	7° $\overline{5}$ 08'09	
morning rise	-11266 Oct 11 j 14:49	17° $\overline{5}$ 41'43					
retrograde	-11265 Jan 25 j 06:28	25° $\overline{5}$ 31'36		conjunction	-11260 Dec 18 j 05:48	9° $\overline{5}$ 32'45	-0°33'14
opposition	-11265 Apr 05 j 10:37	22° $\overline{5}$ 06'40	2°43'36	minimum elong	-11260 Dec 18 j 05:46	9° $\overline{5}$ 32'45	0°33'19
min. Earth dist.	-11265 Apr 06 j 02:08	22° $\overline{5}$ 03'41	8.45526 AU	max. Earth dist.	-11260 Dec 18 j 23:47	9° $\overline{5}$ 38'49	9.78196 AU
direct	-11265 Jun 12 j 15:40	18° $\overline{5}$ 45'18		morning rise	-11259 Jan 05 j 10:07	11° $\overline{5}$ 58'52	
evening set	-11265 Sep 21 j 01:18	26° $\overline{5}$ 20'16		retrograde	-11259 Apr 23 j 19:27	20° $\overline{5}$ 46'08	
				min. Earth dist.	-11259 Jun 29 j 08:56	17° $\overline{5}$ 16'21	7.77260 AU
conjunction	-11265 Oct 07 j 19:46	28° $\overline{5}$ 27'35	2°04'12	opposition	-11259 Jun 30 j 01:09	17° $\overline{5}$ 12'57	-1°05'08
minimum elong	-11265 Oct 07 j 19:50	28° $\overline{5}$ 27'36	2°04'46	direct	-11259 Sep 03 j 11:16	13° $\overline{5}$ 44'21	
max. Earth dist.	-11265 Oct 07 j 02:45	28° $\overline{5}$ 22'09	10.36984 AU	evening set	-11259 Dec 16 j 01:49	22° $\overline{5}$ 11'10	
	-11265 Oct 19 j 22:51	0° $\overline{5}$					
morning rise	-11265 Oct 24 j 19:02	0° $\overline{5}$ 36'27		conjunction	-11258 Jan 03 j 04:35	24° $\overline{5}$ 36'38	-1°08'51
retrograde	-11264 Feb 08 j 11:19	8° $\overline{5}$ 40'37		minimum elong	-11258 Jan 03 j 04:31	24° $\overline{5}$ 36'37	1°09'05
opposition	-11264 Apr 18 j 06:41	5° $\overline{5}$ 13'42	2°21'40	max. Earth dist.	-11258 Jan 04 j 04:12	24° $\overline{5}$ 44'35	9.77364 AU
min. Earth dist.	-11264 Apr 18 j 18:29	5° $\overline{5}$ 11'23	8.28603 AU	morning rise	-11258 Jan 21 j 10:55	27° $\overline{5}$ 03'11	
direct	-11264 Jun 24 j 18:37	1° $\overline{5}$ 51'14			-11258 Feb 13 j 18:18	0° $\overline{5}$	
evening set	-11264 Oct 03 j 08:33	9° $\overline{5}$ 36'43		retrograde	-11258 May 09 j 04:48	5° $\overline{5}$ 47'33	
				min. Earth dist.	-11258 Jul 14 j 06:03	2° $\overline{5}$ 18'42	7.78733 AU
conjunction	-11264 Oct 20 j 08:46	11° $\overline{5}$ 48'04	1°42'38	opposition	-11258 Jul 15 j 01:33	2° $\overline{5}$ 14'35	-1°47'10
minimum elong	-11264 Oct 20 j 08:50	11° $\overline{5}$ 48'06	1°43'08		-11258 Aug 13 j 00:11	30° \overline{R} $\overline{5}$	
max. Earth dist.	-11264 Oct 19 j 21:31	11° $\overline{5}$ 44'26	10.20449 AU	direct	-11258 Sep 18 j 15:37	28° $\overline{5}$ 45'08	
morning rise	-11264 Nov 06 j 14:23	14° $\overline{5}$ 01'13			-11258 Oct 24 j 23:03	0° $\overline{5}$	
	-11264 Nov 14 j 09:41	15° $\overline{5}$		evening set	-11257 Jan 01 j 00:43	7° $\overline{5}$ 13'19	
retrograde	-11263 Feb 22 j 03:28	22° $\overline{5}$ 19'06					
opposition	-11263 May 02 j 12:01	18° $\overline{5}$ 50'18	1°51'00	conjunction	-11257 Jan 19 j 04:54	9° $\overline{5}$ 38'20	-1°39'41
min. Earth dist.	-11263 May 02 j 18:41	18° $\overline{5}$ 48'59	8.12630 AU	minimum elong	-11257 Jan 19 j 04:50	9° $\overline{5}$ 38'19	1°40'04
direct	-11263 Jul 08 j 08:33	15° $\overline{5}$ 26'37		max. Earth dist.	-11257 Jan 20 j 08:32	9° $\overline{5}$ 47'35	9.81008 AU
evening set	-11263 Oct 17 j 05:49	23° $\overline{5}$ 22'44		morning rise	-11257 Feb 06 j 11:18	12° $\overline{5}$ 03'57	
					-11257 Mar 01 j 20:03	15° $\overline{5}$	
conjunction	-11263 Nov 03 j 12:27	25° $\overline{5}$ 38'14	1°14'33	retrograde	-11257 May 24 j 06:11	20° $\overline{5}$ 41'03	
minimum elong	-11263 Nov 03 j 12:31	25° $\overline{5}$ 38'15	1°14'56	opposition	-11257 Jul 29 j 21:18	17° $\overline{5}$ 08'53	-2°21'30
max. Earth dist.	-11263 Nov 03 j 08:15	25° $\overline{5}$ 36'51	10.05363 AU	min. Earth dist.	-11257 Jul 28 j 23:48	17° $\overline{5}$ 13'25	7.84562 AU
morning rise	-11263 Nov 21 j 00:45	27° $\overline{5}$ 55'37			-11257 Aug 26 j 09:32	15° \overline{R} $\overline{7}$	
	-11263 Dec 07 j 13:30	0° $\overline{7}$		direct	-11257 Oct 03 j 20:11	13° $\overline{5}$ 38'51	
retrograde	-11262 Mar 09 j 05:48	6° $\overline{7}$ 25'42			-11257 Nov 10 j 23:46	15° $\overline{5}$	
opposition	-11262 May 17 j 01:52	2° $\overline{7}$ 55'12	1°12'35	evening set	-11256 Jan 16 j 21:52	22° $\overline{5}$ 05'06	
min. Earth dist.	-11262 May 17 j 02:22	2° $\overline{7}$ 55'06	7.98635 AU				
	-11262 Jun 29 j 06:25	30° \overline{R} $\overline{5}$		conjunction	-11256 Feb 04 j 01:56	24° $\overline{5}$ 28'30	-2°03'33
direct	-11262 Jul 22 j 07:56	29° $\overline{5}$ 30'15		minimum elong	-11256 Feb 04 j 01:51	24° $\overline{5}$ 28'29	2°04'02
	-11262 Aug 14 j 01:48	0° $\overline{7}$		max. Earth dist.	-11256 Feb 05 j 07:31	24° $\overline{5}$ 38'18	9.88820 AU
evening set	-11262 Oct 31 j 17:09	7° $\overline{7}$ 36'28		morning rise	-11256 Feb 22 j 06:43	26° $\overline{5}$ 51'59	
					-11256 Mar 18 j 15:22	0° $\overline{7}$	
conjunction	-11262 Nov 18 j 06:15	9° $\overline{7}$ 55'48	0°41'10	retrograde	-11256 Jun 06 j 21:11	5° $\overline{7}$ 18'11	
minimum elong	-11262 Nov 18 j 06:17	9° $\overline{7}$ 55'49	0°41'25	min. Earth dist.	-11256 Aug 11 j 11:45	1° $\overline{7}$ 52'00	7.94266 AU
max. Earth dist.	-11262 Nov 18 j 09:47	9° $\overline{7}$ 56'59	9.92730 AU	opposition	-11256 Aug 12 j 10:02	1° $\overline{7}$ 47'20	-2°45'51
morning rise	-11262 Dec 06 j 01:00	12° $\overline{7}$ 17'02			-11256 Sep 03 j 20:35	30° \overline{R} $\overline{7}$	
retrograde	-11261 Mar 24 j 16:03	20° $\overline{7}$ 56'42		direct	-11256 Oct 17 j 21:56	28° $\overline{5}$ 17'05	
opposition	-11261 May 31 j 22:24	17° $\overline{7}$ 24'49	0°28'23		-11256 Nov 30 j 13:21	0° $\overline{7}$	
min. Earth dist.	-11261 May 31 j 16:32	17° $\overline{7}$ 26'01	7.87586 AU	evening set	-11255 Jan 31 j 12:28	6° $\overline{7}$ 38'12	
direct	-11261 Aug 05 j 16:52	13° $\overline{7}$ 58'34					
evening set	-11261 Nov 15 j 17:59	22° $\overline{7}$ 13'46		conjunction	-11255 Feb 18 j 15:09	8° $\overline{7}$ 59'05	-2°19'02
				minimum elong	-11255 Feb 18 j 15:06	8° $\overline{7}$ 59'05	2°19'37

Attention, astronomical year style is used: The year -11255 in astronomical counting style is the year 11256 BCE in historical counting style.

max. Earth dist.	-11255 Feb 19 j 20:47	9°♄08'46	10.00192 AU		-11249 Jun 11 j 17:55	0°♄	
morning rise	-11255 Mar 08 j 17:03	11°♄19'34		retrograde	-11249 Sep 02 j 22:57	5°♄12'34	
retrograde	-11255 Jun 21 j 00:44	19°♄32'19		opposition	-11249 Nov 10 j 06:53	1°♄55'26	-1°14'53
opposition	-11255 Aug 26 j 13:55	16°♄03'09	-2°59'08	min. Earth dist.	-11249 Nov 10 j 05:21	1°♄55'44	9.01708 AU
min. Earth dist.	-11255 Aug 25 j 15:44	16°♄07'46	8.07122 AU		-11249 Dec 07 j 09:22	30°♄	
direct	-11255 Nov 01 j 18:00	12°♄33'06		direct	-11248 Jan 20 j 13:26	28°♄31'59	
evening set	-11254 Feb 15 j 16:40	20°♄46'24			-11248 Mar 04 j 03:58	0°♄	
				evening set	-11248 May 04 j 02:50	5°♄44'10	
conjunction	-11254 Mar 05 j 17:12	23°♄04'12	-2°25'43				
minimum elong	-11254 Mar 05 j 17:11	23°♄04'12	2°26'20	conjunction	-11248 May 21 j 08:36	7°♄43'38	-0°47'22
max. Earth dist.	-11254 Mar 06 j 21:25	23°♄13'15	10.14326 AU	minimum elong	-11248 May 21 j 08:38	7°♄43'38	0°47'38
morning rise	-11254 Mar 23 j 15:32	25°♄21'11		max. Earth dist.	-11248 May 21 j 07:19	7°♄43'15	11.07846 AU
	-11254 May 03 j 09:36	0°♄		morning rise	-11248 Jun 07 j 08:58	9°♄41'35	
retrograde	-11254 Jul 04 j 15:50	3°♄19'02		retrograde	-11248 Sep 13 j 06:04	16°♄28'02	
	-11254 Sep 07 j 16:13	30°♄		opposition	-11248 Nov 21 j 00:23	13°♄12'13	-0°41'19
min. Earth dist.	-11254 Sep 08 j 11:00	29°♄56'09	8.22270 AU	min. Earth dist.	-11248 Nov 21 j 03:40	13°♄11'36	9.13276 AU
opposition	-11254 Sep 09 j 07:54	29°♄51'52	-3°01'26	direct	-11247 Jan 31 j 16:25	9°♄50'02	
direct	-11254 Nov 16 j 05:52	26°♄22'22		evening set	-11247 May 15 j 17:14	16°♄54'53	
	-11253 Jan 22 j 03:29	0°♄					
evening set	-11253 Mar 02 j 07:55	4°♄25'55		conjunction	-11247 Jun 01 j 19:25	18°♄52'15	-0°19'31
				minimum elong	-11247 Jun 01 j 19:26	18°♄52'15	0°19'40
conjunction	-11253 Mar 20 j 05:52	6°♄40'22	-2°23'54	max. Earth dist.	-11247 Jun 01 j 12:37	18°♄50'18	11.18125 AU
minimum elong	-11253 Mar 20 j 05:53	6°♄40'22	2°24'32	morning rise	-11247 Jun 18 j 16:30	20°♄48'14	
max. Earth dist.	-11253 Mar 21 j 07:21	6°♄48'23	10.30309 AU	retrograde	-11247 Sep 24 j 10:18	27°♄29'36	
morning rise	-11253 Apr 07 j 00:22	8°♄53'40		opposition	-11247 Dec 02 j 14:05	24°♄14'43	-0°06'59
retrograde	-11253 Jul 17 j 18:33	16°♄36'19		min. Earth dist.	-11247 Dec 02 j 22:32	24°♄13'09	9.22201 AU
opposition	-11253 Sep 22 j 15:51	13°♄11'19	-2°53'44	direct	-11246 Feb 12 j 13:05	20°♄53'39	
min. Earth dist.	-11253 Sep 21 j 21:45	13°♄14'58	8.38779 AU	asc. node	-11246 Feb 16 j 09:18	20°♄54'21	
direct	-11253 Nov 30 j 08:03	9°♄42'40		evening set	-11246 May 27 j 00:54	27°♄52'46	
evening set	-11252 Mar 15 j 09:15	17°♄35'26					
				conjunction	-11246 Jun 12 j 23:26	29°♄48'26	0°08'42
conjunction	-11252 Apr 02 j 04:13	19°♄46'27	-2°14'33	minimum elong	-11246 Jun 12 j 23:26	29°♄48'26	0°08'38
minimum elong	-11252 Apr 02 j 04:16	19°♄46'28	2°15'09	behind sun begin	-11246 Jun 12 j 17:19	29°♄46'43	
max. Earth dist.	-11252 Apr 03 j 01:24	19°♄53'00	10.47203 AU	behind sun end	-11246 Jun 13 j 05:32	29°♄50'10	
morning rise	-11252 Apr 19 j 18:50	21°♄56'07		max. Earth dist.	-11246 Jun 12 j 10:35	29°♄44'46	11.25569 AU
retrograde	-11252 Jul 29 j 10:28	29°♄24'10			-11246 Jun 14 j 15:46	0°♄	
opposition	-11252 Oct 04 j 14:02	26°♄01'23	-2°37'30	morning rise	-11246 Jun 29 j 17:32	1°♄42'54	
min. Earth dist.	-11252 Oct 03 j 23:59	26°♄04'11	8.55754 AU	retrograde	-11246 Oct 05 j 10:19	8°♄21'24	
direct	-11252 Dec 12 j 23:17	22°♄33'51		opposition	-11246 Dec 14 j 01:11	5°♄07'03	0°27'03
	-11251 Mar 26 j 16:04	0°♄		min. Earth dist.	-11246 Dec 14 j 13:52	5°♄04'44	9.28141 AU
evening set	-11251 Mar 28 j 20:25	0°♄15'30		direct	-11245 Feb 24 j 04:12	1°♄46'55	
				evening set	-11245 Jun 07 j 03:28	8°♄42'01	
conjunction	-11251 Apr 15 j 12:10	2°♄23'15	-1°58'52				
minimum elong	-11251 Apr 15 j 12:14	2°♄23'16	1°59'26	conjunction	-11245 Jun 23 j 22:36	10°♄36'25	0°36'11
max. Earth dist.	-11251 Apr 16 j 03:43	2°♄27'58	10.64141 AU	minimum elong	-11245 Jun 23 j 22:35	10°♄36'25	0°36'15
morning rise	-11251 May 02 j 23:06	4°♄29'28		max. Earth dist.	-11245 Jun 23 j 05:21	10°♄31'29	11.29888 AU
retrograde	-11251 Aug 10 j 14:27	11°♄44'13		morning rise	-11245 Jul 10 j 13:47	12°♄29'47	
opposition	-11251 Oct 17 j 03:15	8°♄23'34	-2°14'29	retrograde	-11245 Oct 16 j 13:39	19°♄07'45	
min. Earth dist.	-11251 Oct 16 j 17:37	8°♄25'27	8.72378 AU	opposition	-11245 Dec 25 j 11:44	15°♄53'34	0°59'49
direct	-11251 Dec 26 j 05:33	4°♄57'20		min. Earth dist.	-11245 Dec 26 j 03:35	15°♄50'40	9.30860 AU
evening set	-11250 Apr 10 j 18:00	12°♄28'12		direct	-11244 Mar 06 j 17:17	12°♄34'11	
				evening set	-11244 Jun 17 j 02:44	19°♄27'00	
conjunction	-11250 Apr 28 j 06:28	14°♄32'52	-1°38'14				
minimum elong	-11250 Apr 28 j 06:31	14°♄32'53	1°38'42	conjunction	-11244 Jul 03 j 18:44	21°♄20'36	1°02'17
max. Earth dist.	-11250 Apr 28 j 15:35	14°♄35'35	10.80336 AU	minimum elong	-11244 Jul 03 j 18:41	21°♄20'35	1°02'28
	-11250 May 02 j 01:21	15°♄		max. Earth dist.	-11244 Jul 02 j 22:18	21°♄14'45	11.30926 AU
morning rise	-11250 May 15 j 13:55	16°♄36'00		morning rise	-11244 Jul 20 j 07:13	23°♄13'21	
retrograde	-11250 Aug 22 j 09:10	23°♄39'14		retrograde	-11244 Oct 26 j 17:47	29°♄53'00	
opposition	-11250 Oct 29 j 08:25	20°♄20'29	-1°46'25	opposition	-11243 Jan 04 j 23:13	26°♄38'36	1°30'26
min. Earth dist.	-11250 Oct 29 j 02:46	20°♄21'34	8.87906 AU	min. Earth dist.	-11243 Jan 05 j 18:34	26°♄35'05	9.30298 AU
direct	-11249 Jan 08 j 02:59	16°♄55'37		direct	-11243 Mar 18 j 01:00	23°♄19'46	
evening set	-11249 Apr 23 j 03:38	24°♄16'34			-11243 Jun 26 j 05:54	0°♄	
				evening set	-11243 Jun 28 j 00:51	0°♄12'02	
conjunction	-11249 May 10 j 12:47	26°♄18'28	-1°14'00				
minimum elong	-11249 May 10 j 12:50	26°♄18'29	1°14'22	conjunction	-11243 Jul 14 j 13:52	2°♄05'16	1°26'13
max. Earth dist.	-11249 May 10 j 16:22	26°♄19'31	10.95097 AU	minimum elong	-11243 Jul 14 j 13:49	2°♄05'16	1°26'31
morning rise	-11249 May 27 j 16:42	28°♄18'49		max. Earth dist.	-11243 Jul 13 j 13:38	1°♄58'19	11.28715 AU

Attention, astronomical year style is used: The year -11243 in astronomical counting style is the year 11244 BCE in historical counting style.

morning rise	-11243 Jul 31 j 00:19	3° 8 57'55		opposition	-11236 Mar 30 j 00:53	16° 5 52'25	2°50'28
retrograde	-11243 Nov 07 j 00:58	10° 8 41'22		min. Earth dist.	-11236 Mar 30 j 18:10	16° 5 49'06	8.51132 AU
opposition	-11242 Jan 16 j 12:51	7° 8 26'23	1°58'02	direct	-11236 Jun 06 j 15:33	13° 5 30'49	
min. Earth dist.	-11242 Jan 17 j 11:24	7° 8 22'17	9.26539 AU	evening set	-11236 Sep 14 j 22:15	21° 5 01'58	
direct	-11242 Mar 29 j 10:08	4° 8 07'46					
evening set	-11242 Jul 08 j 23:19	11° 8 01'12		conjunction	-11236 Oct 01 j 14:51	23° 5 07'49	2°11'26
max. Earth dist.	-11242 Jul 24 j 06:51	12° 8 46'45	11.23377 AU	minimum elong	-11236 Oct 01 j 14:54	23° 5 07'50	2°12'01
				max. Earth dist.	-11236 Sep 30 j 21:25	23° 5 02'18	10.42600 AU
conjunction	-11242 Jul 25 j 09:54	12° 8 54'35	1°47'14	morning rise	-11236 Oct 18 j 11:30	25° 5 15'04	
minimum elong	-11242 Jul 25 j 09:50	12° 8 54'34	1°47'38				
morning rise	-11242 Aug 10 j 18:57	14° 8 47'37		retrograde	-11235 Feb 01 j 16:06	3° 0 13'34	
	-11242 Aug 12 j 14:45	15° 8			-11235 Apr 09 j 21:06	30° 8 36	
retrograde	-11242 Nov 18 j 13:06	21° 8 36'54		opposition	-11235 Apr 12 j 16:43	29° 5 46'48	2°32'25
opposition	-11241 Jan 28 j 06:13	18° 8 20'55	2°21'45	min. Earth dist.	-11235 Apr 13 j 05:10	29° 5 44'22	8.34239 AU
min. Earth dist.	-11241 Jan 29 j 06:24	18° 8 16'31	9.19725 AU	direct	-11235 Jun 19 j 13:33	26° 5 24'12	
direct	-11241 Apr 09 j 20:11	15° 8 02'20			-11235 Aug 23 j 16:19	0° 0	
evening set	-11241 Jul 19 j 23:42	21° 8 58'29		evening set	-11235 Sep 27 j 23:47	4° 0 05'30	
max. Earth dist.	-11241 Aug 04 j 05:17	23° 8 44'30	11.15091 AU				
				conjunction	-11235 Oct 14 j 21:31	6° 0 15'14	1°52'53
conjunction	-11241 Aug 05 j 08:39	23° 8 52'31	2°04'35	minimum elong	-11235 Oct 14 j 21:35	6° 0 15'16	1°53'25
minimum elong	-11241 Aug 05 j 08:36	23° 8 52'30	2°05'04	max. Earth dist.	-11235 Oct 14 j 08:59	6° 0 11'12	10.25981 AU
morning rise	-11241 Aug 21 j 16:50	25° 8 46'28		morning rise	-11235 Nov 01 j 00:10	8° 0 26'38	
	-11241 Oct 01 j 19:31	0° 0 II			-11234 Jan 02 j 18:48	15° 0	
retrograde	-11241 Nov 30 j 09:03	2° 0 II43'34		retrograde	-11234 Feb 16 j 04:26	16° 0 39'03	
	-11240 Feb 01 j 11:31	30° 8 8			-11234 Apr 02 j 11:29	15° 8 8	
opposition	-11240 Feb 09 j 04:43	29° 8 26'15	2°40'42	opposition	-11234 Apr 26 j 18:03	13° 0 10'25	2°05'26
min. Earth dist.	-11240 Feb 10 j 04:50	29° 8 21'50	9.10077 AU	min. Earth dist.	-11234 Apr 27 j 01:20	13° 0 08'58	8.18039 AU
direct	-11240 Apr 20 j 08:54	26° 8 07'27		direct	-11234 Jul 02 j 21:25	9° 0 46'44	
	-11240 Jul 01 j 06:19	0° 0 II			-11234 Sep 20 j 02:52	15° 0	
evening set	-11240 Jul 30 j 04:00	3° 0 II07'52		evening set	-11234 Oct 11 j 14:49	17° 0 38'31	
max. Earth dist.	-11240 Aug 14 j 08:47	4° 0 II55'00	11.04132 AU				
				conjunction	-11234 Oct 28 j 18:31	19° 0 52'19	1°27'31
conjunction	-11240 Aug 15 j 12:11	5° 0 II03'06	2°17'33	minimum elong	-11234 Oct 28 j 18:35	19° 0 52'21	1°27'57
minimum elong	-11240 Aug 15 j 12:09	5° 0 II03'06	2°18'06	max. Earth dist.	-11234 Oct 28 j 11:46	19° 0 50'07	10.10516 AU
morning rise	-11240 Aug 31 j 20:26	6° 0 II58'32		morning rise	-11234 Nov 15 j 03:53	22° 0 08'00	
retrograde	-11240 Dec 11 j 14:05	14° 0 II05'14			-11233 Feb 05 j 22:55	0° 0 II	
opposition	-11239 Feb 20 j 09:31	10° 0 II46'19	2°53'57	retrograde	-11233 Mar 03 j 03:27	0° 0 II33'14	
min. Earth dist.	-11239 Feb 21 j 09:21	10° 0 II41'55	8.97920 AU		-11233 Mar 28 j 10:07	30° 8 8	
direct	-11239 May 02 j 00:23	7° 0 II27'04		opposition	-11233 May 11 j 04:27	27° 0 02'56	1°30'10
evening set	-11239 Aug 10 j 13:52	14° 0 II33'15		min. Earth dist.	-11233 May 11 j 06:27	27° 0 02'32	8.03473 AU
				direct	-11233 Jul 16 j 15:35	23° 0 38'07	
conjunction	-11239 Aug 26 j 22:10	16° 0 II30'16	2°25'23		-11233 Oct 12 j 16:27	0° 0 II	
minimum elong	-11239 Aug 26 j 22:09	16° 0 II30'15	2°25'59	evening set	-11233 Oct 25 j 19:53	1° 0 II40'11	
max. Earth dist.	-11239 Aug 25 j 18:41	16° 0 II22'00	10.90877 AU				
morning rise	-11239 Sep 12 j 07:46	18° 0 II27'47		conjunction	-11233 Nov 12 j 06:02	3° 0 II57'56	0°56'14
retrograde	-11239 Dec 24 j 02:38	25° 0 II45'43		minimum elong	-11233 Nov 12 j 06:05	3° 0 II57'57	0°56'32
opposition	-11238 Mar 04 j 21:53	22° 0 II25'00	3°00'35	max. Earth dist.	-11233 Nov 12 j 06:17	3° 0 II58'01	9.97141 AU
min. Earth dist.	-11238 Mar 05 j 21:05	22° 0 II20'40	8.83670 AU	morning rise	-11233 Nov 29 j 22:11	6° 0 II17'39	
direct	-11238 May 13 j 21:22	19° 0 II05'06		retrograde	-11232 Mar 17 j 10:46	14° 0 II53'35	
evening set	-11238 Aug 22 j 07:03	26° 0 II18'28		opposition	-11232 May 24 j 22:20	11° 0 II21'57	0°48'09
				min. Earth dist.	-11232 May 24 j 18:46	11° 0 II22'41	7.91477 AU
conjunction	-11238 Sep 07 j 16:41	28° 0 II17'50	2°27'22	direct	-11232 Jul 29 j 20:49	7° 0 II56'00	
minimum elong	-11238 Sep 07 j 16:41	28° 0 II17'50	2°27'59	evening set	-11232 Nov 08 j 14:58	16° 0 II07'33	
max. Earth dist.	-11238 Sep 06 j 14:54	28° 0 II09'58	10.75795 AU				
	-11238 Sep 21 j 16:40	0° 0 II		conjunction	-11232 Nov 26 j 07:22	18° 0 II28'45	0°20'39
morning rise	-11238 Sep 24 j 04:46	0° 0 II18'03		minimum elong	-11232 Nov 26 j 07:23	18° 0 II28'45	0°20'49
retrograde	-11237 Jan 06 j 02:43	7° 0 II48'39		max. Earth dist.	-11232 Nov 26 j 15:12	18° 0 II31'22	9.86748 AU
opposition	-11237 Mar 17 j 18:44	4° 0 II25'58	2°59'41	morning rise	-11232 Dec 14 j 05:33	20° 0 II51'50	
min. Earth dist.	-11237 Mar 18 j 15:51	4° 0 II21'58	8.67859 AU	retrograde	-11231 Apr 01 j 22:31	29° 0 II35'18	
direct	-11237 May 26 j 02:58	1° 0 II05'16		opposition	-11231 Jun 08 j 21:24	26° 0 II02'46	0°01'52
evening set	-11237 Sep 03 j 09:15	8° 0 II27'01		min. Earth dist.	-11231 Jun 08 j 12:13	26° 0 II04'40	7.82898 AU
				desc. node	-11231 Jun 23 j 17:39	24° 0 II50'25	
conjunction	-11237 Sep 19 j 21:43	10° 0 II29'22	2°22'52	direct	-11231 Aug 13 j 12:09	22° 0 II35'45	
minimum elong	-11237 Sep 19 j 21:45	10° 0 II29'23	2°23'30		-11231 Nov 16 j 21:15	0° 0 II	
max. Earth dist.	-11237 Sep 18 j 23:39	10° 0 II22'30	10.59471 AU	evening set	-11231 Nov 23 j 22:22	0° 0 II55'14	
morning rise	-11237 Oct 06 j 13:28	12° 0 II32'50					
retrograde	-11236 Jan 19 j 15:37	20° 0 II17'09		conjunction	-11231 Dec 11 j 20:05	3° 0 II19'01	-0°17'01

Attention, astronomical year style is used: The year -11231 in astronomical counting style is the year 11232 BCE in historical counting style.

minimum elong	-11231 Dec 11 j 20:04	3° $\overline{\text{A}}$ 19'00	0°17'00	retrograde	-11224 Jul 11 j 14:27	11° $\overline{\text{Z}}$ 09'23	
max. Earth dist.	-11231 Dec 12 j 11:42	3° $\overline{\text{A}}$ 24'15	9.80108 AU	opposition	-11224 Sep 16 j 08:51	7° $\overline{\text{Z}}$ 44'04	-2°58'04
morning rise	-11231 Dec 29 j 22:55	5° $\overline{\text{A}}$ 44'26		min. Earth dist.	-11224 Sep 15 j 14:58	7° $\overline{\text{Z}}$ 47'42	8.32971 AU
retrograde	-11230 Apr 17 j 11:46	14° $\overline{\text{A}}$ 31'26		direct	-11224 Nov 23 j 16:48	4° $\overline{\text{Z}}$ 15'35	
opposition	-11230 Jun 23 j 23:17	10° $\overline{\text{A}}$ 58'30	-0°45'20	evening set	-11223 Mar 09 j 19:01	12° $\overline{\text{Z}}$ 12'47	
min. Earth dist.	-11230 Jun 23 j 08:38	11° $\overline{\text{A}}$ 01'33	7.78397 AU				
direct	-11230 Aug 28 j 10:24	7° $\overline{\text{A}}$ 30'34		conjunction	-11223 Mar 27 j 15:06	14° $\overline{\text{Z}}$ 25'09	-2°19'23
evening set	-11230 Dec 09 j 15:02	15° $\overline{\text{A}}$ 55'36		minimum elong	-11223 Mar 27 j 15:08	14° $\overline{\text{Z}}$ 25'09	2°20'01
				max. Earth dist.	-11223 Mar 28 j 12:01	14° $\overline{\text{Z}}$ 31'39	10.41057 AU
conjunction	-11230 Dec 27 j 16:41	18° $\overline{\text{A}}$ 20'48	-0°53'51	morning rise	-11223 Apr 14 j 07:31	16° $\overline{\text{Z}}$ 36'16	
minimum elong	-11230 Dec 27 j 16:38	18° $\overline{\text{A}}$ 20'47	0°54'00	retrograde	-11223 Jul 24 j 10:27	24° $\overline{\text{Z}}$ 10'24	
max. Earth dist.	-11230 Dec 28 j 15:24	18° $\overline{\text{A}}$ 28'27	9.77755 AU	opposition	-11223 Sep 29 j 11:14	20° $\overline{\text{Z}}$ 47'09	-2°45'21
morning rise	-11229 Jan 14 j 22:21	20° $\overline{\text{A}}$ 47'15		min. Earth dist.	-11223 Sep 28 j 20:16	20° $\overline{\text{Z}}$ 50'08	8.49396 AU
retrograde	-11229 May 02 j 23:04	29° $\overline{\text{A}}$ 33'16		direct	-11223 Dec 07 j 13:16	17° $\overline{\text{Z}}$ 19'34	
min. Earth dist.	-11229 Jul 08 j 05:27	26° $\overline{\text{A}}$ 04'32	7.78337 AU	evening set	-11222 Mar 23 j 12:20	25° $\overline{\text{Z}}$ 05'54	
opposition	-11229 Jul 09 j 00:47	26° $\overline{\text{A}}$ 00'28	-1°29'42				
direct	-11229 Sep 12 j 13:02	22° $\overline{\text{A}}$ 31'48		conjunction	-11222 Apr 10 j 05:30	27° $\overline{\text{Z}}$ 15'00	-2°06'17
	-11229 Dec 17 j 22:23	0° $\overline{\text{M}}$		minimum elong	-11222 Apr 10 j 05:33	27° $\overline{\text{Z}}$ 15'01	2°06'52
evening set	-11229 Dec 25 j 13:15	0° $\overline{\text{M}}$ 59'29		max. Earth dist.	-11222 Apr 10 j 21:40	27° $\overline{\text{Z}}$ 19'57	10.57581 AU
				morning rise	-11222 Apr 27 j 18:08	29° $\overline{\text{Z}}$ 22'39	
conjunction	-11228 Jan 12 j 17:07	3° $\overline{\text{M}}$ 24'46	-1°27'04		-11222 May 03 j 00:00	0° \approx	
minimum elong	-11228 Jan 12 j 17:02	3° $\overline{\text{M}}$ 24'44	1°27'23	retrograde	-11222 Aug 05 j 19:50	6° \approx 43'02	
max. Earth dist.	-11228 Jan 13 j 21:10	3° $\overline{\text{M}}$ 34'10	9.79890 AU	opposition	-11222 Oct 12 j 04:09	3° \approx 21'46	-2°25'06
morning rise	-11228 Jan 30 j 23:34	5° $\overline{\text{M}}$ 50'48		min. Earth dist.	-11222 Oct 11 j 16:49	3° \approx 24'00	8.65735 AU
retrograde	-11228 May 17 j 04:30	14° $\overline{\text{M}}$ 31'17			-11222 Dec 11 j 06:20	30° $\overline{\text{R}}$ $\overline{\text{Z}}$	
opposition	-11228 Jul 22 j 22:47	10° $\overline{\text{M}}$ 59'11	-2°07'42	direct	-11222 Dec 20 j 23:41	29° $\overline{\text{Z}}$ 55'14	
min. Earth dist.	-11228 Jul 22 j 00:24	11° $\overline{\text{M}}$ 03'54	7.82719 AU		-11222 Dec 30 j 17:20	0° \approx	
direct	-11228 Sep 26 j 16:39	7° $\overline{\text{M}}$ 29'58		evening set	-11221 Apr 05 j 15:57	7° \approx 30'45	
	-11227 Jan 02 j 03:04	15° $\overline{\text{M}}$					
evening set	-11227 Jan 09 j 11:54	15° $\overline{\text{M}}$ 57'01		conjunction	-11221 Apr 23 j 06:04	9° \approx 36'45	-1°47'39
				minimum elong	-11221 Apr 23 j 06:08	9° \approx 36'46	1°48'09
conjunction	-11227 Jan 27 j 16:14	18° $\overline{\text{M}}$ 21'06	-1°54'10	max. Earth dist.	-11221 Apr 23 j 17:18	9° \approx 40'08	10.73641 AU
minimum elong	-11227 Jan 27 j 16:09	18° $\overline{\text{M}}$ 21'05	1°54'36	morning rise	-11221 May 10 j 14:59	11° \approx 41'12	
max. Earth dist.	-11227 Jan 28 j 23:25	18° $\overline{\text{M}}$ 31'28	9.86337 AU		-11221 Jun 09 j 17:37	15° \approx	
morning rise	-11227 Feb 14 j 21:38	20° $\overline{\text{M}}$ 45'27		retrograde	-11221 Aug 17 j 19:27	18° \approx 49'21	
retrograde	-11227 Jun 01 j 01:34	29° $\overline{\text{M}}$ 16'21		opposition	-11221 Oct 24 j 12:54	15° \approx 29'54	-1°59'02
opposition	-11227 Aug 06 j 14:48	25° $\overline{\text{M}}$ 45'27	-2°36'32	min. Earth dist.	-11221 Oct 24 j 06:19	15° \approx 31'10	8.81256 AU
min. Earth dist.	-11227 Aug 05 j 15:09	25° $\overline{\text{M}}$ 50'24	7.91171 AU		-11221 Oct 30 j 23:59	15° $\overline{\text{R}}$ \approx	
direct	-11227 Oct 11 j 18:53	22° $\overline{\text{M}}$ 15'56		direct	-11220 Jan 03 j 00:20	12° \approx 04'29	
	-11226 Jan 20 j 03:29	0° $\overline{\text{J}}$			-11220 Mar 05 j 02:20	15° \approx	
evening set	-11226 Jan 25 j 05:40	0° $\overline{\text{J}}$ 39'00		evening set	-11220 Apr 17 j 06:56	19° \approx 29'47	
conjunction	-11226 Feb 12 j 09:01	3° $\overline{\text{J}}$ 00'52	-2°13'22	conjunction	-11220 May 04 j 17:42	21° \approx 32'54	-1°24'49
minimum elong	-11226 Feb 12 j 08:58	3° $\overline{\text{J}}$ 00'51	2°13'55	minimum elong	-11220 May 04 j 17:45	21° \approx 32'55	1°25'14
max. Earth dist.	-11226 Feb 13 j 16:54	3° $\overline{\text{J}}$ 11'19	9.96560 AU	max. Earth dist.	-11220 May 04 j 23:05	21° \approx 34'30	10.88533 AU
morning rise	-11226 Mar 02 j 12:01	5° $\overline{\text{J}}$ 22'30		morning rise	-11220 May 21 j 23:03	23° \approx 34'28	
retrograde	-11226 Jun 15 j 11:26	13° $\overline{\text{J}}$ 40'47			-11220 Aug 03 j 12:01	0° $\overline{\text{H}}$	
opposition	-11226 Aug 20 j 22:33	10° $\overline{\text{J}}$ 11'28	-2°54'37	retrograde	-11220 Aug 28 j 11:32	0° $\overline{\text{H}}$ 32'19	
min. Earth dist.	-11226 Aug 19 j 23:35	10° $\overline{\text{J}}$ 16'15	8.02989 AU		-11220 Sep 22 j 15:25	30° $\overline{\text{R}}$ \approx	
direct	-11226 Oct 26 j 17:41	6° $\overline{\text{J}}$ 41'58		opposition	-11220 Nov 04 j 14:28	27° \approx 14'25	-1°28'50
evening set	-11225 Feb 09 j 14:36	14° $\overline{\text{J}}$ 58'12		min. Earth dist.	-11220 Nov 04 j 12:56	27° \approx 14'43	8.95327 AU
				direct	-11219 Jan 14 j 15:03	23° \approx 50'09	
conjunction	-11225 Feb 27 j 16:02	17° $\overline{\text{J}}$ 17'10	-2°23'51		-11219 Apr 19 j 15:13	0° $\overline{\text{H}}$	
minimum elong	-11225 Feb 27 j 16:00	17° $\overline{\text{J}}$ 17'09	2°24'27	evening set	-11219 Apr 29 j 10:41	1° $\overline{\text{H}}$ 06'15	
max. Earth dist.	-11225 Feb 28 j 21:50	17° $\overline{\text{J}}$ 26'47	10.09718 AU				
morning rise	-11225 Mar 17 j 15:49	19° $\overline{\text{J}}$ 35'29		conjunction	-11219 May 16 j 17:56	3° $\overline{\text{H}}$ 06'49	-0°59'05
retrograde	-11225 Jun 29 j 07:27	27° $\overline{\text{J}}$ 39'18		minimum elong	-11219 May 16 j 17:58	3° $\overline{\text{H}}$ 06'50	0°59'24
opposition	-11225 Sep 03 j 20:38	24° $\overline{\text{J}}$ 11'54	-3°01'35	max. Earth dist.	-11219 May 16 j 16:52	3° $\overline{\text{H}}$ 06'31	11.01685 AU
min. Earth dist.	-11225 Sep 03 j 00:01	24° $\overline{\text{J}}$ 16'08	8.17232 AU	morning rise	-11219 Jun 02 j 19:58	5° $\overline{\text{H}}$ 05'53	
direct	-11225 Nov 10 j 09:33	20° $\overline{\text{J}}$ 42'44		retrograde	-11219 Sep 08 j 19:07	11° $\overline{\text{H}}$ 55'31	
evening set	-11224 Feb 24 j 11:40	28° $\overline{\text{J}}$ 50'08		opposition	-11219 Nov 16 j 10:02	8° $\overline{\text{H}}$ 38'52	-0°56'00
	-11224 Mar 04 j 18:37	0° $\overline{\text{Z}}$		min. Earth dist.	-11219 Nov 16 j 12:52	8° $\overline{\text{H}}$ 38'20	9.07420 AU
				direct	-11218 Jan 26 j 22:44	5° $\overline{\text{H}}$ 15'43	
conjunction	-11224 Mar 13 j 10:34	1° $\overline{\text{Z}}$ 05'50	-2°25'37	evening set	-11218 May 11 j 04:43	12° $\overline{\text{H}}$ 23'57	
minimum elong	-11224 Mar 13 j 10:35	1° $\overline{\text{Z}}$ 05'50	2°26'15				
max. Earth dist.	-11224 Mar 14 j 12:09	1° $\overline{\text{Z}}$ 13'57	10.24839 AU	conjunction	-11218 May 28 j 08:32	14° $\overline{\text{H}}$ 22'18	-0°31'38
morning rise	-11224 Mar 31 j 06:45	3° $\overline{\text{Z}}$ 20'35		minimum elong	-11218 May 28 j 08:33	14° $\overline{\text{H}}$ 22'19	0°31'51

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Attention, astronomical year style is used: The year -11218 in astronomical counting style is the year 11219 BCE in historical counting style.

max. Earth dist.	-11218 May 28 j 02:05	14° ✕ 20'27	11.12619 AU			-11212 Jun 21 j 11:04	15° 8	
morning rise	-11218 Jun 14 j 07:19	16° ✕ 19'15		evening set		-11212 Jul 14 j 16:31	17° 8 31'00	
retrograde	-11218 Sep 20 j 00:57	23° ✕ 02'54		max. Earth dist.		-11212 Jul 30 j 00:02	19° 8 17'10	11.18286 AU
opposition	-11218 Nov 28 j 01:06	19° ✕ 47'11	-0°21'51					
min. Earth dist.	-11218 Nov 28 j 07:35	19° ✕ 45'59	9.17102 AU	conjunction		-11212 Jul 31 j 02:09	19° 8 24'46	1°57'39
direct	-11217 Feb 07 j 23:08	16° ✕ 25'07		minimum elong		-11212 Jul 31 j 02:05	19° 8 24'45	1°58'05
evening set	-11217 May 22 j 15:09	23° ✕ 26'58		morning rise		-11212 Aug 16 j 10:35	21° 8 18'20	
				retrograde		-11212 Nov 24 j 17:00	28° 8 12'02	
conjunction	-11217 Jun 08 j 15:30	25° ✕ 23'30	-0°03'33	opposition		-11211 Feb 03 j 11:50	24° 8 55'14	2°33'14
minimum elong	-11217 Jun 08 j 15:30	25° ✕ 23'30	0°03'39	min. Earth dist.		-11211 Feb 04 j 11:21	24° 8 50'56	9.14117 AU
behind sun begin	-11217 Jun 08 j 08:33	25° ✕ 21'31		direct		-11211 Apr 15 j 19:22	21° 8 36'30	
behind sun end	-11217 Jun 08 j 22:28	25° ✕ 25'29		evening set		-11211 Jul 25 j 19:14	28° 8 35'09	
max. Earth dist.	-11217 Jun 08 j 05:06	25° ✕ 20'31	11.20957 AU			-11211 Aug 06 j 22:14	0° II	
morning rise	-11217 Jun 25 j 10:56	27° ✕ 18'43		max. Earth dist.		-11211 Aug 10 j 00:22	0° II 21'50	11.08997 AU
	-11217 Jul 20 j 16:26	0° Y						
asc. node	-11217 Jul 25 j 17:03	0° Y 29'04		conjunction		-11211 Aug 11 j 03:31	0° II 29'50	2°12'35
retrograde	-11217 Oct 01 j 03:35	3° Y 58'37		minimum elong		-11211 Aug 11 j 03:28	0° II 29'49	2°13'05
opposition	-11217 Dec 09 j 13:20	0° Y 43'32	0°12'28	morning rise		-11211 Aug 27 j 11:46	2° II 24'36	
min. Earth dist.	-11217 Dec 10 j 00:03	0° Y 41'33	9.24065 AU	retrograde		-11211 Dec 06 j 17:39	9° II 27'02	
	-11217 Dec 19 j 11:32	30° R ✕		opposition		-11210 Feb 15 j 13:48	6° II 08'59	2°49'00
direct	-11216 Feb 19 j 15:22	27° ✕ 22'25		min. Earth dist.		-11210 Feb 16 j 13:33	6° II 04'37	9.03565 AU
	-11216 Apr 19 j 10:51	0° Y		direct		-11210 Apr 27 j 10:16	2° II 50'08	
evening set	-11216 Jun 01 j 19:51	4° Y 19'32		evening set		-11210 Aug 06 j 02:41	9° II 53'50	
				max. Earth dist.		-11210 Aug 21 j 08:39	11° II 42'12	10.97246 AU
conjunction	-11216 Jun 18 j 16:39	6° Y 14'38	0°24'27					
minimum elong	-11216 Jun 18 j 16:38	6° Y 14'38	0°24'27	conjunction		-11210 Aug 22 j 10:46	11° II 50'00	2°22'40
max. Earth dist.	-11216 Jun 18 j 01:37	6° Y 10'20	11.26457 AU	minimum elong		-11210 Aug 22 j 10:45	11° II 49'59	2°23'15
morning rise	-11216 Jul 05 j 09:03	8° Y 08'35		morning rise		-11210 Sep 07 j 19:39	13° II 46'32	
retrograde	-11216 Oct 11 j 05:22	14° Y 46'58		retrograde		-11210 Dec 19 j 02:54	20° II 59'27	
opposition	-11216 Dec 20 j 00:18	11° Y 32'11	0°45'55	opposition		-11209 Feb 27 j 22:56	17° II 39'52	2°58'32
min. Earth dist.	-11216 Dec 20 j 15:18	11° Y 29'26	9.28123 AU	min. Earth dist.		-11209 Feb 28 j 21:18	17° II 35'44	8.90720 AU
direct	-11215 Mar 02 j 04:50	8° Y 11'52		direct		-11209 May 09 j 05:29	14° II 20'41	
evening set	-11215 Jun 12 j 20:27	15° Y 05'58		evening set		-11209 Aug 17 j 16:36	21° II 30'48	
				max. Earth dist.		-11209 Sep 02 j 01:15	23° II 21'40	10.83429 AU
conjunction	-11215 Jun 29 j 13:47	17° Y 00'02	0°51'16					
minimum elong	-11215 Jun 29 j 13:45	17° Y 00'01	0°51'24	conjunction		-11209 Sep 03 j 01:35	23° II 29'02	2°27'12
max. Earth dist.	-11215 Jun 28 j 18:09	16° Y 54'25	11.28974 AU	minimum elong		-11209 Sep 03 j 01:35	23° II 29'02	2°27'49
morning rise	-11215 Jul 16 j 03:38	18° Y 53'10		morning rise		-11209 Sep 19 j 12:15	25° II 27'56	
retrograde	-11215 Oct 22 j 07:15	25° Y 32'14				-11209 Nov 01 j 02:47	0° ☿	
opposition	-11215 Dec 31 j 11:14	22° Y 17'24	1°17'36	retrograde		-11208 Jan 01 j 00:05	2° ☿ 52'49	
min. Earth dist.	-11214 Jan 01 j 05:18	22° Y 14'06	9.29150 AU			-11208 Mar 05 j 07:56	30° R II	
direct	-11214 Mar 13 j 15:03	18° Y 57'46		opposition		-11208 Mar 11 j 16:17	29° II 31'30	3°00'53
evening set	-11214 Jun 23 j 18:56	25° Y 50'32		min. Earth dist.		-11208 Mar 12 j 12:27	29° II 27'42	8.76034 AU
max. Earth dist.	-11214 Jul 09 j 11:01	27° Y 37'38	11.28429 AU	direct		-11208 May 20 j 07:11	26° II 11'45	
						-11208 Jul 28 j 11:45	0° ☿	
conjunction	-11214 Jul 10 j 09:16	27° Y 44'01	1°16'15	evening set		-11208 Aug 28 j 15:02	3° ☿ 29'31	
minimum elong	-11214 Jul 10 j 09:13	27° Y 44'00	1°16'30	max. Earth dist.		-11208 Sep 13 j 03:18	5° ☿ 23'23	10.68054 AU
morning rise	-11214 Jul 26 j 20:43	29° Y 36'47						
	-11214 Jul 30 j 07:44	0° 8		conjunction		-11208 Sep 14 j 02:03	5° ☿ 30'24	2°25'30
retrograde	-11214 Nov 02 j 14:10	6° 8 18'42		minimum elong		-11208 Sep 14 j 02:04	5° ☿ 30'25	2°26'08
opposition	-11213 Jan 11 j 23:38	3° 8 03'30	1°46'38	morning rise		-11208 Sep 30 j 15:56	7° ☿ 32'17	
min. Earth dist.	-11213 Jan 12 j 19:34	2° 8 59'53	9.27104 AU	retrograde		-11207 Jan 13 j 08:06	15° ☿ 10'11	
	-11213 Mar 06 j 15:34	30° R Y		opposition		-11207 Mar 24 j 18:22	11° ☿ 46'59	2°55'15
direct	-11213 Mar 25 j 00:53	29° Y 44'22		min. Earth dist.		-11207 Mar 25 j 12:22	11° ☿ 43'33	8.60058 AU
	-11213 Apr 12 j 04:41	0° 8		direct		-11207 Jun 01 j 14:56	8° ☿ 26'27	
evening set	-11213 Jul 04 j 17:03	6° 8 37'29		evening set		-11207 Sep 09 j 23:19	15° ☿ 52'59	
max. Earth dist.	-11213 Jul 20 j 04:52	8° 8 23'58	11.24830 AU					
				conjunction		-11207 Sep 26 j 13:43	17° ☿ 57'04	2°17'03
conjunction	-11213 Jul 21 j 04:49	8° 8 30'53	1°38'37	minimum elong		-11207 Sep 26 j 13:45	17° ☿ 57'05	2°17'39
minimum elong	-11213 Jul 21 j 04:46	8° 8 30'52	1°38'58	max. Earth dist.		-11207 Sep 25 j 17:46	17° ☿ 50'49	10.51707 AU
morning rise	-11213 Aug 06 j 14:19	10° 8 23'46		morning rise		-11207 Oct 13 j 08:07	20° ☿ 02'27	
	-11213 Sep 22 j 03:09	15° 8		retrograde		-11206 Jan 27 j 01:27	27° ☿ 54'07	
retrograde	-11213 Nov 14 j 00:50	17° 8 10'34		opposition		-11206 Apr 07 j 05:54	24° ☿ 28'56	2°40'58
	-11212 Jan 08 j 09:42	15° R 8		min. Earth dist.		-11206 Apr 07 j 20:55	24° ☿ 26'02	8.43417 AU
opposition	-11212 Jan 23 j 15:27	13° 8 54'44	2°12'08	direct		-11206 Jun 14 j 09:27	21° ☿ 07'25	
min. Earth dist.	-11212 Jan 24 j 13:09	13° 8 50'47	9.22043 AU	evening set		-11206 Sep 22 j 18:56	28° ☿ 43'39	
direct	-11212 Apr 04 j 08:33	10° 8 35'56				-11206 Oct 02 j 20:56	0° ♁	

Attention, astronomical year style is used: The year -11206 in astronomical counting style is the year 11207 BCE in historical counting style.

conjunction	-11206 Oct 09 j 14:05	0°Ω51'25	2°01'31	minimum elong	-11199 Jan 05 j 04:35	27°Ω09'14	1°13'35
minimum elong	-11206 Oct 09 j 14:08	0°Ω51'26	2°02'05	max. Earth dist.	-11199 Jan 06 j 04:11	27°Ω17'10	9.78190 AU
max. Earth dist.	-11206 Oct 08 j 22:42	0°Ω46'30	10.35041 AU	morning rise	-11199 Jan 23 j 11:03	29°Ω35'38	
morning rise	-11206 Oct 26 j 13:59	3°Ω00'45			-11199 Jan 26 j 13:25	0°ℳ	
retrograde	-11205 Feb 10 j 07:46	11°Ω06'27		retrograde	-11199 May 11 j 01:36	8°ℳ18'53	
opposition	-11205 Apr 21 j 03:01	7°Ω39'18	2°17'47	opposition	-11199 Jul 16 j 22:34	4°ℳ46'06	-1°52'15
min. Earth dist.	-11205 Apr 21 j 13:47	7°Ω37'11	8.26838 AU	min. Earth dist.	-11199 Jul 16 j 03:10	4°ℳ50'11	7.79804 AU
direct	-11205 Jun 27 j 14:14	4°Ω16'42		direct	-11199 Sep 20 j 13:43	1°ℳ16'38	
evening set	-11205 Oct 06 j 03:37	12°Ω03'14		evening set	-11198 Jan 03 j 00:17	9°ℳ44'18	
conjunction	-11205 Oct 23 j 04:36	14°Ω15'02	1°39'01	conjunction	-11198 Jan 21 j 04:26	12°ℳ09'04	-1°43'19
minimum elong	-11205 Oct 23 j 04:40	14°Ω15'04	1°39'30	minimum elong	-11198 Jan 21 j 04:21	12°ℳ09'02	1°43'43
max. Earth dist.	-11205 Oct 22 j 19:17	14°Ω12'01	10.18870 AU	max. Earth dist.	-11198 Jan 22 j 08:01	12°ℳ18'17	9.82295 AU
	-11205 Oct 28 j 23:08	15°Ω		morning rise	-11198 Feb 08 j 10:39	14°ℳ34'22	
morning rise	-11205 Nov 09 j 10:51	16°Ω28'37			-11198 Feb 11 j 17:27	15°ℳ	
retrograde	-11204 Feb 25 j 02:02	24°Ω47'47		retrograde	-11198 May 26 j 01:48	23°ℳ09'58	
opposition	-11204 May 04 j 09:15	21°Ω18'47	1°45'59	opposition	-11198 Jul 31 j 17:17	19°ℳ38'00	-2°25'20
min. Earth dist.	-11204 May 04 j 14:25	21°Ω17'45	8.11251 AU	min. Earth dist.	-11198 Jul 30 j 19:37	19°ℳ42'34	7.86054 AU
direct	-11204 Jul 10 j 03:56	17°Ω55'01		direct	-11198 Oct 05 j 17:43	16°ℳ08'01	
evening set	-11204 Oct 19 j 02:20	25°Ω52'01		evening set	-11197 Jan 18 j 20:21	24°ℳ33'22	
conjunction	-11204 Nov 05 j 09:43	28°Ω07'53	1°10'09	conjunction	-11197 Feb 06 j 00:17	26°ℳ56'25	-2°06'06
minimum elong	-11204 Nov 05 j 09:47	28°Ω07'55	1°10'31	minimum elong	-11197 Feb 06 j 00:13	26°ℳ56'24	2°06'36
max. Earth dist.	-11204 Nov 05 j 07:03	28°Ω07'00	10.04191 AU	max. Earth dist.	-11197 Feb 07 j 06:02	27°ℳ06'15	9.90484 AU
	-11204 Nov 19 j 15:25	0°ℳ		morning rise	-11197 Feb 24 j 04:44	29°ℳ19'30	
morning rise	-11204 Nov 22 j 22:42	0°ℳ25'40			-11197 Mar 01 j 11:02	0°♂	
retrograde	-11203 Mar 11 j 06:03	8°ℳ56'40		retrograde	-11197 Jun 09 j 15:48	7°♂43'56	
opposition	-11203 May 18 j 23:43	5°ℳ26'02	1°06'42	min. Earth dist.	-11197 Aug 14 j 06:03	4°♂18'02	7.96077 AU
min. Earth dist.	-11203 May 18 j 22:47	5°ℳ26'13	7.97687 AU	opposition	-11197 Aug 15 j 04:43	4°♂13'17	-2°48'13
direct	-11203 Jul 24 j 03:39	2°ℳ01'01		direct	-11197 Oct 20 j 18:55	0°♂43'08	
evening set	-11203 Nov 02 j 15:10	10°ℳ07'59		evening set	-11196 Feb 03 j 09:38	9°♂03'05	
conjunction	-11203 Nov 20 j 04:51	12°ℳ27'36	0°36'13	conjunction	-11196 Feb 21 j 12:10	11°♂23'33	-2°20'25
minimum elong	-11203 Nov 20 j 04:53	12°ℳ27'36	0°36'26	minimum elong	-11196 Feb 21 j 12:07	11°♂23'32	2°20'59
max. Earth dist.	-11203 Nov 20 j 09:16	12°ℳ29'04	9.92012 AU	max. Earth dist.	-11196 Feb 22 j 18:03	11°♂33'17	10.02120 AU
morning rise	-11203 Dec 08 j 00:14	14°ℳ49'07		morning rise	-11196 Mar 10 j 13:36	13°♂43'35	
retrograde	-11202 Mar 26 j 16:24	23°ℳ29'13		retrograde	-11196 Jun 22 j 17:29	21°♂54'24	
opposition	-11202 Jun 02 j 20:32	19°ℳ57'18	0°21'59	min. Earth dist.	-11196 Aug 27 j 08:50	18°♂30'07	8.09129 AU
min. Earth dist.	-11202 Jun 02 j 13:42	19°ℳ58'42	7.87117 AU	opposition	-11196 Aug 28 j 07:09	18°♂25'29	-3°00'01
direct	-11202 Aug 07 j 14:06	16°ℳ31'00		direct	-11196 Nov 03 j 13:35	14°♂55'31	
evening set	-11202 Nov 17 j 17:03	24°ℳ46'43		evening set	-11195 Feb 17 j 12:15	23°♂07'30	
desc. node	-11202 Nov 27 j 11:08	26°ℳ04'29					
conjunction	-11202 Dec 05 j 12:28	27°ℳ09'22	-0°00'49	conjunction	-11195 Mar 07 j 12:34	25°♂24'52	-2°25'55
minimum elong	-11202 Dec 05 j 12:28	27°ℳ09'22	0°00'45	minimum elong	-11195 Mar 07 j 12:33	25°♂24'52	2°26'32
behind sun begin	-11202 Dec 05 j 05:08	27°ℳ06'56		max. Earth dist.	-11195 Mar 08 j 16:55	25°♂33'56	10.16388 AU
behind sun end	-11202 Dec 05 j 19:47	27°ℳ11'48		morning rise	-11195 Mar 25 j 10:23	27°♂41'22	
max. Earth dist.	-11202 Dec 06 j 00:00	27°ℳ13'13	9.83231 AU		-11195 Apr 13 j 12:30	0°♂	
morning rise	-11202 Dec 23 j 13:17	29°ℳ33'46		retrograde	-11195 Jul 06 j 07:13	5°♂37'19	
	-11202 Dec 26 j 21:25	0°Ω		opposition	-11195 Sep 10 j 23:53	2°♂10'24	-3°00'56
retrograde	-11201 Apr 11 j 05:22	8°Ω19'20		min. Earth dist.	-11195 Sep 10 j 03:30	2°♂14'35	8.24345 AU
opposition	-11201 Jun 17 j 21:14	4°Ω46'33	-0°25'11		-11195 Oct 09 j 18:34	30°♂♂	
min. Earth dist.	-11201 Jun 17 j 09:13	4°Ω49'04	7.80333 AU	direct	-11195 Nov 17 j 23:34	28°♂41'00	
direct	-11201 Aug 22 j 08:52	1°Ω19'02			-11195 Dec 27 j 01:28	0°♂	
evening set	-11201 Dec 03 j 05:46	9°Ω41'32		evening set	-11194 Mar 04 j 01:38	6°♂43'08	
conjunction	-11201 Dec 21 j 05:44	12°Ω06'10	-0°38'16	conjunction	-11194 Mar 21 j 23:15	8°♂57'09	-2°23'03
minimum elong	-11201 Dec 21 j 05:41	12°Ω06'09	0°38'22	minimum elong	-11194 Mar 21 j 23:17	8°♂57'10	2°23'41
max. Earth dist.	-11201 Dec 21 j 23:48	12°Ω12'15	9.78507 AU	max. Earth dist.	-11194 Mar 23 j 00:19	9°♂05'02	10.32376 AU
morning rise	-11200 Jan 08 j 10:22	14°Ω32'15		morning rise	-11194 Apr 08 j 17:18	11°♂10'00	
retrograde	-11200 Apr 25 j 17:45	23°Ω18'56		retrograde	-11194 Jul 19 j 09:15	18°♂50'52	
opposition	-11200 Jul 01 j 22:59	19°Ω45'52	-1°11'09	opposition	-11194 Sep 24 j 06:32	15°♂26'06	-2°52'00
min. Earth dist.	-11200 Jul 01 j 06:47	19°Ω49'16	7.77838 AU	min. Earth dist.	-11194 Sep 23 j 13:33	15°♂29'32	8.40807 AU
direct	-11200 Sep 05 j 09:45	16°Ω17'15		direct	-11194 Dec 01 j 23:36	11°♂57'33	
evening set	-11200 Dec 18 j 01:45	24°Ω43'54		evening set	-11193 Mar 18 j 01:12	19°♂48'55	
conjunction	-11199 Jan 05 j 04:39	27°Ω09'15	-1°13'20	conjunction	-11193 Apr 04 j 19:47	21°♂59'34	-2°12'47
				minimum elong	-11193 Apr 04 j 19:50	21°♂59'35	2°13'22

Attention, astronomical year style is used: The year -11193 in astronomical counting style is the year 11194 BCE in historical counting style.

max. Earth dist.	-11193 Apr 05 j 15:37	22°♄05'41	10.49167 AU	conjunction	-11187 Jun 14 j 09:04	1°♄50'15	0°12'35
morning rise	-11193 Apr 22 j 10:07	24°♄08'50		minimum elong	-11187 Jun 14 j 09:04	1°♄50'15	0°12'32
	-11193 Jun 19 j 06:44	0°♄		behind sun begin	-11187 Jun 14 j 04:30	1°♄48'58	
retrograde	-11193 Jul 31 j 22:31	1°♄35'15		behind sun end	-11187 Jun 14 j 13:38	1°♄51'33	
	-11193 Sep 13 j 08:39	30°♄		max. Earth dist.	-11187 Jun 13 j 19:49	1°♄46'28	11.25571 AU
opposition	-11193 Oct 07 j 03:25	28°♄12'42	-2°34'47	morning rise	-11187 Jul 01 j 02:54	3°♄44'40	
min. Earth dist.	-11193 Oct 06 j 14:27	28°♄15'16	8.57629 AU	retrograde	-11187 Oct 06 j 21:39	10°♄23'21	
direct	-11193 Dec 15 j 15:01	24°♄45'15		opposition	-11187 Dec 15 j 11:53	7°♄08'59	0°31'44
	-11192 Mar 09 j 04:07	0°♄		min. Earth dist.	-11187 Dec 16 j 00:24	7°♄06'42	9.27973 AU
evening set	-11192 Mar 30 j 10:44	2°♄25'38		direct	-11186 Feb 25 j 16:24	3°♄48'53	
				evening set	-11186 Jun 08 j 13:14	10°♄44'01	
conjunction	-11192 Apr 17 j 02:09	4°♄33'02	-1°56'22				
minimum elong	-11192 Apr 17 j 02:12	4°♄33'03	1°56'54	conjunction	-11186 Jun 25 j 08:09	12°♄38'24	0°39'58
max. Earth dist.	-11192 Apr 17 j 15:58	4°♄37'13	10.65902 AU	minimum elong	-11186 Jun 25 j 08:08	12°♄38'24	0°40'03
morning rise	-11192 May 04 j 12:51	6°♄38'56		max. Earth dist.	-11186 Jun 24 j 15:09	12°♄33'33	11.29549 AU
retrograde	-11192 Aug 12 j 00:50	13°♄52'20		morning rise	-11186 Jul 11 j 23:00	14°♄31'45	
opposition	-11192 Oct 18 j 15:33	10°♄31'51	-2°10'59	retrograde	-11186 Oct 18 j 00:18	21°♄10'07	
min. Earth dist.	-11192 Oct 18 j 06:23	10°♄33'38	8.74002 AU	opposition	-11186 Dec 26 j 22:46	17°♄55'52	1°04'18
direct	-11192 Dec 27 j 20:58	7°♄05'42		min. Earth dist.	-11186 Dec 27 j 15:03	17°♄52'54	9.30363 AU
evening set	-11191 Apr 12 j 06:50	14°♄35'28		direct	-11185 Mar 09 j 02:36	14°♄36'30	
	-11191 Apr 15 j 18:39	15°♄		evening set	-11185 Jun 19 j 12:43	21°♄29'31	
				max. Earth dist.	-11185 Jul 05 j 07:10	23°♄17'04	11.30259 AU
conjunction	-11191 Apr 29 j 19:03	16°♄39'51	-1°35'09				
minimum elong	-11191 Apr 29 j 19:06	16°♄39'52	1°35'37	conjunction	-11185 Jul 06 j 04:21	23°♄23'08	1°05'50
max. Earth dist.	-11191 Apr 30 j 03:15	16°♄42'18	10.81813 AU	minimum elong	-11185 Jul 06 j 04:19	23°♄23'08	1°06'02
morning rise	-11191 May 17 j 02:10	18°♄42'41		morning rise	-11185 Jul 22 j 16:38	25°♄15'56	
retrograde	-11191 Aug 23 j 20:43	25°♄44'54			-11185 Sep 09 j 12:34	0°♄	
opposition	-11191 Oct 30 j 19:57	22°♄26'15	-1°42'20	retrograde	-11185 Oct 29 j 04:27	1°♄56'13	
min. Earth dist.	-11191 Oct 30 j 14:33	22°♄27'17	8.89212 AU		-11185 Dec 19 j 22:38	30°♄	
direct	-11190 Jan 09 j 15:35	19°♄01'30		opposition	-11184 Jan 07 j 10:46	28°♄41'43	1°34'34
evening set	-11190 Apr 24 j 15:16	26°♄21'32		min. Earth dist.	-11184 Jan 08 j 07:04	28°♄38'02	9.29471 AU
				direct	-11184 Mar 19 j 12:02	25°♄22'51	
conjunction	-11190 May 12 j 00:14	28°♄23'13	-1°10'30		-11184 Jun 08 j 11:54	0°♄	
minimum elong	-11190 May 12 j 00:17	28°♄23'14	1°10'52	evening set	-11184 Jun 29 j 11:08	2°♄15'33	
max. Earth dist.	-11190 May 12 j 03:37	28°♄24'12	10.96231 AU				
	-11190 May 25 j 18:53	0°♄		conjunction	-11184 Jul 15 j 23:48	4°♄08'52	1°29'24
morning rise	-11190 May 29 j 03:46	0°♄23'20		minimum elong	-11184 Jul 15 j 23:45	4°♄08'51	1°29'43
retrograde	-11190 Sep 04 j 08:44	7°♄16'21		max. Earth dist.	-11184 Jul 14 j 22:44	4°♄01'39	11.27714 AU
opposition	-11190 Nov 11 j 17:49	3°♄59'19	-1°10'25	morning rise	-11184 Aug 01 j 10:09	6°♄01'36	
min. Earth dist.	-11190 Nov 11 j 17:14	3°♄59'26	9.02655 AU	retrograde	-11184 Nov 08 j 12:24	12°♄45'57	
direct	-11189 Jan 22 j 00:51	0°♄35'55		opposition	-11183 Jan 18 j 01:10	9°♄30'49	2°01'41
evening set	-11189 May 06 j 13:39	7°♄47'28		min. Earth dist.	-11183 Jan 18 j 23:56	9°♄26'41	9.25375 AU
				direct	-11183 Mar 30 j 21:31	6°♄12'12	
conjunction	-11189 May 23 j 19:07	9°♄46'46	-0°43'37	evening set	-11183 Jul 10 j 09:59	13°♄06'14	
minimum elong	-11189 May 23 j 19:09	9°♄46'46	0°43'52				
max. Earth dist.	-11189 May 23 j 16:56	9°♄46'08	11.08603 AU	conjunction	-11183 Jul 26 j 20:25	14°♄59'44	1°49'57
morning rise	-11189 Jun 09 j 19:13	11°♄44'34		minimum elong	-11183 Jul 26 j 20:22	14°♄59'43	1°50'22
retrograde	-11189 Sep 15 j 16:13	18°♄30'35		max. Earth dist.	-11183 Jul 25 j 17:46	14°♄52'00	11.22042 AU
opposition	-11189 Nov 23 j 11:00	15°♄14'50	-0°36'38		-11183 Jul 26 j 21:19	15°♄	
min. Earth dist.	-11189 Nov 23 j 15:39	15°♄13'58	9.13844 AU	morning rise	-11183 Aug 12 j 05:19	16°♄52'55	
direct	-11188 Feb 03 j 03:36	11°♄52'42		retrograde	-11183 Nov 20 j 02:26	23°♄43'23	
evening set	-11188 May 17 j 03:33	18°♄57'11		opposition	-11182 Jan 29 j 19:24	20°♄27'14	2°24'47
				min. Earth dist.	-11182 Jan 30 j 19:02	20°♄22'56	9.18232 AU
conjunction	-11188 Jun 03 j 05:20	20°♄54'26	-0°15'38	direct	-11182 Apr 11 j 08:33	17°♄08'37	
minimum elong	-11188 Jun 03 j 05:20	20°♄54'26	0°15'47	evening set	-11182 Jul 21 j 11:12	24°♄05'36	
behind sun begin	-11188 Jun 03 j 03:53	20°♄54'01					
behind sun end	-11188 Jun 03 j 06:48	20°♄54'51		conjunction	-11182 Aug 06 j 20:05	25°♄59'49	2°06'44
max. Earth dist.	-11188 Jun 02 j 20:58	20°♄52'02	11.18496 AU	minimum elong	-11182 Aug 06 j 20:03	25°♄59'48	2°07'13
morning rise	-11188 Jun 20 j 02:15	22°♄50'19		max. Earth dist.	-11182 Aug 05 j 16:54	25°♄51'51	11.13439 AU
retrograde	-11188 Sep 25 j 18:42	29°♄31'34		morning rise	-11182 Aug 23 j 04:10	27°♄53'59	
opposition	-11188 Dec 04 j 00:36	26°♄16'42	-0°02'14		-11182 Sep 11 j 03:40	0°♄	
min. Earth dist.	-11188 Dec 04 j 09:34	26°♄15'03	9.22387 AU	retrograde	-11182 Dec 02 j 00:36	4°♄52'27	
asc. node	-11188 Dec 28 j 03:21	24°♄34'59		opposition	-11181 Feb 10 j 18:55	1°♄34'59	2°42'58
direct	-11187 Feb 13 j 23:45	22°♄55'41		min. Earth dist.	-11181 Feb 11 j 18:59	1°♄30'34	9.08286 AU
evening set	-11187 May 28 j 10:50	29°♄54'39			-11181 Mar 05 j 06:59	30°♄	
	-11187 May 29 j 05:54	0°♄		direct	-11181 Apr 22 j 21:14	28°♄16'09	
					-11181 Jun 08 j 15:52	0°♄	

Attention, astronomical year style is used: The year -11181 in astronomical counting style is the year 11182 BCE in historical counting style.

evening set	-11181 Aug 01 j 16:31	5° Π 17'33		evening set	-11175 Oct 13 j 11:58	20° Ω 09'20	
max. Earth dist.	-11181 Aug 16 j 20:35	7° Π 04'44	11.02215 AU				
conjunction	-11181 Aug 18 j 00:35	7° Π 13'02	2°19'00	conjunction	-11175 Oct 30 j 16:25	22° Ω 23'37	1°23'20
minimum elong	-11181 Aug 18 j 00:33	7° Π 13'02	2°19'33	minimum elong	-11175 Oct 30 j 16:29	22° Ω 23'38	1°23'45
morning rise	-11181 Sep 03 j 09:00	9° Π 08'46		max. Earth dist.	-11175 Oct 30 j 10:28	22° Ω 21'40	10.08797 AU
retrograde	-11181 Dec 14 j 04:58	16° Π 17'02		morning rise	-11175 Nov 17 j 02:40	24° Ω 39'47	
opposition	-11180 Feb 23 j 01:06	12° Π 57'57	2°55'19		-11174 Jan 02 j 17:56	0° Π	
min. Earth dist.	-11180 Feb 24 j 01:20	12° Π 53'28	8.95891 AU	retrograde	-11174 Mar 05 j 03:42	3° Π 06'19	
direct	-11180 May 03 j 13:07	9° Π 38'39			-11174 May 08 j 03:32	30° κ Ω	
evening set	-11180 Aug 12 j 03:27	16° Π 45'59		opposition	-11174 May 13 j 03:23	29° Ω 35'49	1°24'29
max. Earth dist.	-11180 Aug 27 j 08:19	18° Π 35'01	10.88761 AU	min. Earth dist.	-11174 May 13 j 05:02	29° Ω 35'29	8.01936 AU
				direct	-11174 Jul 18 j 13:17	26° Ω 10'50	
conjunction	-11180 Aug 28 j 11:48	18° Π 43'18	2°26'01		-11174 Sep 22 j 11:36	0° Π	
minimum elong	-11180 Aug 28 j 11:48	18° Π 43'18	2°26'37	evening set	-11174 Oct 27 j 18:29	4° Π 13'59	
morning rise	-11180 Sep 13 j 21:43	20° Π 41'11					
retrograde	-11180 Dec 25 j 19:57	28° Π 00'53		conjunction	-11174 Nov 14 j 05:25	6° Π 32'09	0°51'21
opposition	-11179 Mar 06 j 14:49	24° Π 39'57	3°00'54	minimum elong	-11174 Nov 14 j 05:28	6° Π 32'10	0°51'39
min. Earth dist.	-11179 Mar 07 j 14:00	24° Π 35'37	8.81477 AU	max. Earth dist.	-11174 Nov 14 j 07:05	6° Π 32'42	9.95816 AU
direct	-11179 May 15 j 13:13	21° Π 19'59		morning rise	-11174 Dec 01 j 22:17	8° Π 52'16	
evening set	-11179 Aug 23 j 21:55	28° Π 34'35		retrograde	-11173 Mar 20 j 10:34	17° Π 29'07	
	-11179 Sep 04 j 15:45	0° Ω		opposition	-11173 May 27 j 21:50	13° Π 57'18	0°41'45
max. Earth dist.	-11179 Sep 08 j 07:10	0° Ω 26'46	10.73552 AU	min. Earth dist.	-11173 May 27 j 17:28	13° Π 58'12	7.90385 AU
				direct	-11173 Aug 01 j 20:36	10° Π 31'12	
conjunction	-11179 Sep 09 j 07:56	0° Ω 34'21	2°27'05	evening set	-11173 Nov 11 j 14:50	18° Π 43'34	
minimum elong	-11179 Sep 09 j 07:57	0° Ω 34'22	2°27'42				
morning rise	-11179 Sep 25 j 20:22	2° Ω 34'59		conjunction	-11173 Nov 29 j 07:58	21° Π 05'06	0°15'23
retrograde	-11178 Jan 07 j 22:12	10° Ω 07'26		minimum elong	-11173 Nov 29 j 07:59	21° Π 05'06	0°15'32
opposition	-11178 Mar 19 j 12:53	6° Ω 44'31	2°58'49	behind sun begin	-11173 Nov 29 j 06:20	21° Π 04'33	
min. Earth dist.	-11178 Mar 20 j 09:10	6° Ω 40'40	8.65583 AU	behind sun end	-11173 Nov 29 j 09:37	21° Π 05'38	
direct	-11178 May 27 j 19:00	3° Ω 23'44		max. Earth dist.	-11173 Nov 29 j 17:34	21° Π 08'18	9.85899 AU
evening set	-11178 Sep 05 j 01:36	10° Ω 46'49		morning rise	-11173 Dec 17 j 06:40	23° Π 28'27	
					-11172 Feb 13 j 13:54	0° Ω	
conjunction	-11178 Sep 21 j 14:34	12° Ω 49'36	2°21'36	retrograde	-11172 Apr 03 j 22:09	2° Ω 12'21	
minimum elong	-11178 Sep 21 j 14:36	12° Ω 49'37	2°22'13	desc. node	-11172 May 03 j 14:51	1° Ω 25'08	
max. Earth dist.	-11178 Sep 20 j 17:29	12° Ω 43'02	10.57189 AU		-11172 May 25 j 08:05	30° κ Π	
morning rise	-11178 Oct 08 j 06:46	14° Ω 53'33		opposition	-11172 Jun 10 j 21:07	28° Π 39'40	-0°04'49
retrograde	-11177 Jan 21 j 12:11	22° Ω 39'44		min. Earth dist.	-11172 Jun 10 j 10:46	28° Π 41'49	7.82315 AU
opposition	-11177 Apr 01 j 20:24	19° Ω 14'45	2°48'21	direct	-11172 Aug 15 j 11:45	25° Π 12'31	
min. Earth dist.	-11177 Apr 02 j 12:33	19° Ω 11'39	8.48867 AU		-11172 Oct 28 j 13:44	0° Ω	
direct	-11177 Jun 09 j 08:51	15° Ω 53'03		evening set	-11172 Nov 25 j 23:16	3° Ω 32'30	
evening set	-11177 Sep 17 j 16:09	23° Ω 25'33					
				conjunction	-11172 Dec 13 j 21:34	5° Ω 56'28	-0°22'17
conjunction	-11177 Oct 04 j 09:15	25° Ω 31'53	2°09'08	minimum elong	-11172 Dec 13 j 21:32	5° Ω 56'28	0°22'18
minimum elong	-11177 Oct 04 j 09:18	25° Ω 31'54	2°09'43	max. Earth dist.	-11172 Dec 14 j 14:46	6° Ω 02'16	9.79783 AU
max. Earth dist.	-11177 Oct 03 j 16:14	25° Ω 26'29	10.40389 AU	morning rise	-11171 Jan 01 j 00:42	8° Ω 22'01	
morning rise	-11177 Oct 21 j 06:36	27° Ω 39'39		retrograde	-11171 Apr 19 j 11:41	17° Ω 08'54	
	-11177 Nov 09 j 18:25	0° Ω		opposition	-11171 Jun 25 j 22:48	13° Ω 35'52	-0°51'47
retrograde	-11176 Feb 04 j 14:54	5° Ω 39'57		min. Earth dist.	-11171 Jun 25 j 07:00	13° Ω 39'11	7.78348 AU
opposition	-11176 Apr 14 j 13:37	2° Ω 12'57	2°28'59	direct	-11171 Aug 30 j 09:22	10° Ω 07'49	
min. Earth dist.	-11176 Apr 15 j 01:18	2° Ω 10'40	8.32101 AU	evening set	-11171 Dec 11 j 16:32	18° Ω 33'02	
	-11176 May 15 j 10:12	30° κ Ω					
direct	-11176 Jun 21 j 07:53	28° Ω 50'13		conjunction	-11171 Dec 29 j 18:27	20° Ω 58'14	-0°58'45
	-11176 Jul 27 j 06:41	0° Ω		minimum elong	-11171 Dec 29 j 18:24	20° Ω 58'13	0°58'56
evening set	-11176 Sep 29 j 19:20	6° Ω 32'50		max. Earth dist.	-11171 Dec 30 j 18:21	21° Ω 06'17	9.77962 AU
				morning rise	-11170 Jan 17 j 00:09	23° Ω 24'38	
conjunction	-11176 Oct 16 j 17:40	8° Ω 43'04	1°49'36		-11170 Mar 16 j 15:01	0° Π	
minimum elong	-11176 Oct 16 j 17:44	8° Ω 43'05	1°50'06	retrograde	-11170 May 04 j 22:59	2° Π 10'01	
max. Earth dist.	-11176 Oct 16 j 05:24	8° Ω 39'06	10.23962 AU		-11170 Jun 24 j 03:25	30° κ Ω	
morning rise	-11176 Nov 02 j 21:13	10° Ω 55'00		opposition	-11170 Jul 10 j 23:46	28° Ω 37'12	-1°35'26
	-11176 Dec 07 j 17:32	15° Ω		min. Earth dist.	-11170 Jul 10 j 03:41	28° Ω 41'26	7.78814 AU
retrograde	-11175 Feb 18 j 04:27	19° Ω 09'01		direct	-11170 Sep 14 j 11:31	25° Ω 08'25	
opposition	-11175 Apr 28 j 16:06	15° Ω 40'10	2°00'47		-11170 Nov 28 j 15:13	0° Π	
min. Earth dist.	-11175 Apr 28 j 23:04	15° Ω 38'47	8.16149 AU	evening set	-11170 Dec 27 j 14:40	3° Π 35'55	
	-11175 May 07 j 03:08	15° κ Ω					
direct	-11175 Jul 04 j 16:51	12° Ω 16'19		conjunction	-11169 Jan 14 j 18:32	6° Π 01'02	-1°31'14
	-11175 Aug 29 j 04:24	15° Ω		minimum elong	-11169 Jan 14 j 18:27	6° Π 01'01	1°31'34
				max. Earth dist.	-11169 Jan 15 j 23:15	6° Π 10'40	9.80612 AU

Attention, astronomical year style is used: The year -11169 in astronomical counting style is the year 11170 BCE in historical counting style.

morning rise	-11169 Feb 02 j 00:51	8° \mathbb{M} 26'54	minimum elong	-11163 Apr 11 j 22:03	29° \mathbb{Z} 30'07	2°04'33
	-11169 Apr 01 j 16:42	15° \mathbb{M}	max. Earth dist.	-11163 Apr 12 j 14:02	29° \mathbb{Z} 35'00	10.59926 AU
retrograde	-11169 May 20 j 04:03	17° \mathbb{M} 06'15		-11163 Apr 16 j 00:01	0° \approx	
	-11169 Jul 08 j 08:59	15° $\mathbb{R}\mathbb{M}$	morning rise	-11163 Apr 29 j 10:08	1° \approx 37'19	
opposition	-11169 Jul 25 j 20:58	13° \mathbb{M} 34'13	-2°12'16	retrograde	-11163 Aug 07 j 09:18	8° \approx 55'56
min. Earth dist.	-11169 Jul 24 j 22:25	13° \mathbb{M} 38'58	7.83690 AU	opposition	-11163 Oct 13 j 18:33	5° \approx 34'56
direct	-11169 Sep 29 j 15:14	10° \mathbb{M} 04'55		min. Earth dist.	-11163 Oct 13 j 08:07	5° \approx 36'59
	-11169 Dec 14 j 22:06	15° \mathbb{M}		direct	-11163 Dec 22 j 15:50	2° \approx 08'34
evening set	-11168 Jan 12 j 12:44	18° \mathbb{M} 31'27		evening set	-11162 Apr 07 j 06:57	9° \approx 42'37
conjunction	-11168 Jan 30 j 16:52	20° \mathbb{M} 55'15	-1°57'18	conjunction	-11162 Apr 24 j 20:42	11° \approx 48'13
minimum elong	-11168 Jan 30 j 16:48	20° \mathbb{M} 55'13	1°57'46	minimum elong	-11162 Apr 24 j 20:45	11° \approx 48'14
max. Earth dist.	-11168 Feb 01 j 00:04	21° \mathbb{M} 05'36	9.87531 AU	max. Earth dist.	-11162 Apr 25 j 07:02	11° \approx 51'19
morning rise	-11168 Feb 17 j 22:03	23° \mathbb{M} 19'17		morning rise	-11162 May 12 j 05:14	13° \approx 52'17
	-11168 Apr 19 j 04:19	0° \mathbb{Z}			-11162 May 21 j 23:50	15° \approx
retrograde	-11168 Jun 02 j 23:46	1° \mathbb{Z} 48'40		retrograde	-11162 Aug 19 j 08:01	20° \approx 58'58
	-11168 Jul 18 j 06:36	30° $\mathbb{R}\mathbb{M}$		opposition	-11162 Oct 26 j 02:12	17° \approx 39'47
opposition	-11168 Aug 08 j 11:55	28° \mathbb{M} 17'56	-2°39'40	min. Earth dist.	-11162 Oct 25 j 20:54	17° \approx 40'48
min. Earth dist.	-11168 Aug 07 j 12:37	28° \mathbb{M} 22'49	7.92582 AU		-11162 Dec 04 j 20:27	15° $\mathbb{R}\mathbb{M}$
direct	-11168 Oct 13 j 18:05	24° \mathbb{M} 48'24		direct	-11161 Jan 04 j 14:34	14° \approx 14'33
	-11167 Jan 01 j 06:18	0° \mathbb{Z}			-11161 Feb 04 j 07:46	15° \approx
evening set	-11167 Jan 27 j 05:34	3° \mathbb{Z} 10'38		evening set	-11161 Apr 19 j 20:32	21° \approx 38'35
conjunction	-11167 Feb 14 j 08:36	5° \mathbb{Z} 32'07	-2°15'19	conjunction	-11161 May 07 j 06:53	23° \approx 41'24
minimum elong	-11167 Feb 14 j 08:33	5° \mathbb{Z} 32'06	2°15'53	minimum elong	-11161 May 07 j 06:56	23° \approx 41'24
max. Earth dist.	-11167 Feb 15 j 15:57	5° \mathbb{Z} 42'23	9.98168 AU	max. Earth dist.	-11161 May 07 j 10:30	23° \approx 42'28
morning rise	-11167 Mar 04 j 11:17	7° \mathbb{Z} 53'21		morning rise	-11161 May 24 j 12:00	25° \approx 42'39
retrograde	-11167 Jun 17 j 06:41	16° \mathbb{Z} 09'50			-11161 Jul 04 j 19:57	0° \mathbb{H}
opposition	-11167 Aug 22 j 18:26	12° \mathbb{Z} 40'45	-2°56'13	retrograde	-11161 Aug 30 j 21:25	2° \mathbb{H} 39'20
min. Earth dist.	-11167 Aug 21 j 19:50	12° \mathbb{Z} 45'27	8.04790 AU		-11161 Oct 29 j 15:56	30° $\mathbb{R}\mathbb{M}$
direct	-11167 Oct 28 j 16:29	9° \mathbb{Z} 11'18		opposition	-11161 Nov 07 j 02:49	29° \approx 21'40
evening set	-11166 Feb 11 j 13:00	17° \mathbb{Z} 26'22		min. Earth dist.	-11161 Nov 07 j 01:58	29° \approx 21'50
				direct	-11160 Jan 17 j 05:20	25° \approx 57'35
conjunction	-11166 Mar 01 j 14:04	19° \mathbb{Z} 44'53	-2°24'34		-11160 Mar 31 j 23:10	0° \mathbb{H}
minimum elong	-11166 Mar 01 j 14:02	19° \mathbb{Z} 44'53	2°25'11	evening set	-11160 Apr 30 j 23:05	3° \mathbb{H} 12'41
max. Earth dist.	-11166 Mar 02 j 19:15	19° \mathbb{Z} 54'17	10.11702 AU			
morning rise	-11166 Mar 19 j 13:29	22° \mathbb{Z} 02'44		conjunction	-11160 May 18 j 06:01	5° \mathbb{H} 12'59
	-11166 Jun 22 j 00:24	0° \mathbb{Z}		minimum elong	-11160 May 18 j 06:03	5° \mathbb{H} 13'00
retrograde	-11166 Jul 01 j 00:12	0° \mathbb{Z} 04'34		max. Earth dist.	-11160 May 18 j 03:51	5° \mathbb{H} 12'21
	-11166 Jul 10 j 01:09	30° $\mathbb{R}\mathbb{Z}$		morning rise	-11160 Jun 04 j 07:46	7° \mathbb{H} 11'48
opposition	-11166 Sep 05 j 15:09	26° \mathbb{Z} 37'25	-3°01'40	retrograde	-11160 Sep 10 j 06:53	14° \mathbb{H} 00'38
min. Earth dist.	-11166 Sep 04 j 18:27	26° \mathbb{Z} 41'40	8.19382 AU	opposition	-11160 Nov 17 j 21:50	10° \mathbb{H} 44'10
direct	-11166 Nov 12 j 06:56	23° \mathbb{Z} 08'20		min. Earth dist.	-11160 Nov 18 j 00:52	10° \mathbb{H} 43'36
	-11165 Feb 16 j 04:54	0° \mathbb{Z}		direct	-11159 Jan 28 j 12:18	7° \mathbb{H} 21'13
evening set	-11165 Feb 26 j 08:09	1° \mathbb{Z} 14'12		evening set	-11159 May 12 j 16:10	14° \mathbb{H} 28'40
conjunction	-11165 Mar 16 j 06:46	3° \mathbb{Z} 29'27	-2°25'11	conjunction	-11159 May 29 j 19:43	16° \mathbb{H} 26'50
minimum elong	-11165 Mar 16 j 06:46	3° \mathbb{Z} 29'27	2°25'49	minimum elong	-11159 May 29 j 19:44	16° \mathbb{H} 26'51
max. Earth dist.	-11165 Mar 17 j 07:58	3° \mathbb{Z} 37'25	10.27124 AU	max. Earth dist.	-11159 May 29 j 13:04	16° \mathbb{H} 24'55
morning rise	-11165 Apr 03 j 02:33	5° \mathbb{Z} 43'41		morning rise	-11159 Jun 15 j 18:05	18° \mathbb{H} 23'35
retrograde	-11165 Jul 14 j 06:25	13° \mathbb{Z} 30'24		retrograde	-11159 Sep 21 j 11:49	25° \mathbb{H} 06'47
min. Earth dist.	-11165 Sep 18 j 07:38	10° \mathbb{Z} 08'59	8.35334 AU	opposition	-11159 Nov 29 j 12:40	21° \mathbb{H} 51'12
opposition	-11165 Sep 19 j 01:49	10° \mathbb{Z} 05'19	-2°56'47	min. Earth dist.	-11159 Nov 29 j 19:56	21° \mathbb{H} 49'51
direct	-11165 Nov 26 j 11:56	6° \mathbb{Z} 36'57		direct	-11158 Feb 09 j 10:06	18° \mathbb{H} 29'17
evening set	-11164 Mar 11 j 13:38	14° \mathbb{Z} 32'28		evening set	-11158 May 24 j 02:03	25° \mathbb{H} 30'38
				asc. node	-11158 Jun 02 j 23:53	26° \mathbb{H} 38'11
conjunction	-11164 Mar 29 j 09:29	16° \mathbb{Z} 44'23	-2°17'56	conjunction	-11158 Jun 10 j 02:06	27° \mathbb{H} 27'02
minimum elong	-11164 Mar 29 j 09:31	16° \mathbb{Z} 44'24	2°18'33	minimum elong	-11158 Jun 10 j 02:04	27° \mathbb{H} 27'02
max. Earth dist.	-11164 Mar 30 j 06:17	16° \mathbb{Z} 50'51	10.43463 AU	behind sun begin	-11158 Jun 09 j 19:05	27° \mathbb{H} 25'03
morning rise	-11164 Apr 16 j 01:25	18° \mathbb{Z} 55'01		behind sun end	-11158 Jun 10 j 09:04	27° \mathbb{H} 29'01
retrograde	-11164 Jul 26 j 01:21	26° \mathbb{Z} 27'08		max. Earth dist.	-11158 Jun 09 j 14:44	27° \mathbb{H} 23'47
min. Earth dist.	-11164 Sep 30 j 11:55	23° \mathbb{Z} 07'06	8.51782 AU	morning rise	-11158 Jun 26 j 21:11	29° \mathbb{H} 22'08
opposition	-11164 Oct 01 j 02:43	23° \mathbb{Z} 04'09	-2°42'55		-11158 Jul 02 j 13:06	0° \mathbb{Y}
direct	-11164 Dec 09 j 06:53	19° \mathbb{Z} 36'43		retrograde	-11158 Oct 02 j 14:22	6° \mathbb{Y} 01'53
evening set	-11163 Mar 25 j 05:06	27° \mathbb{Z} 21'26		opposition	-11158 Dec 11 j 00:43	2° \mathbb{Y} 46'53
				min. Earth dist.	-11158 Dec 11 j 12:49	2° \mathbb{Y} 44'39
conjunction	-11163 Apr 11 j 22:00	29° \mathbb{Z} 30'06	-2°03'59			9.24465 AU

Attention, astronomical year style is used: The year -11157 in astronomical counting style is the year 11158 BCE in historical counting style.

	-11157 Jan 24 j 19:13	30° RH		opposition	-11151 Feb 17 j 04:49	8° II 20'00	2°50'49
direct	-11157 Feb 21 j 03:15	29° H 25'51		min. Earth dist.	-11151 Feb 18 j 04:06	8° II 15'43	9.01349 AU
	-11157 Mar 20 j 06:17	0° Y		direct	-11151 Apr 28 j 23:30	5° II 01'00	
evening set	-11157 Jun 04 j 06:27	6° Y 22'47		evening set	-11151 Aug 07 j 15:47	12° II 05'51	
max. Earth dist.	-11157 Jun 20 j 10:13	8° Y 13'02	11.26612 AU	max. Earth dist.	-11151 Aug 22 j 22:16	13° II 54'38	10.94882 AU
conjunction	-11157 Jun 21 j 02:49	8° Y 17'47	0°28'22	conjunction	-11151 Aug 24 j 00:02	14° II 02'21	2°23'42
minimum elong	-11157 Jun 21 j 02:48	8° Y 17'47	0°28'24	minimum elong	-11151 Aug 24 j 00:01	14° II 02'21	2°24'17
morning rise	-11157 Jul 07 j 19:03	10° Y 11'40		morning rise	-11151 Sep 09 j 09:02	15° II 59'14	
retrograde	-11157 Oct 13 j 15:09	16° Y 50'13		retrograde	-11151 Dec 20 j 21:15	23° II 13'57	
opposition	-11157 Dec 22 j 11:44	13° Y 35'26	0°50'36	opposition	-11150 Mar 01 j 15:16	19° II 54'04	2°59'21
min. Earth dist.	-11157 Dec 23 j 03:32	13° Y 32'33	9.28041 AU	min. Earth dist.	-11150 Mar 02 j 13:11	19° II 50'00	8.88232 AU
direct	-11156 Mar 03 j 15:49	10° Y 15'11		direct	-11150 May 10 j 20:07	16° II 34'43	
evening set	-11156 Jun 14 j 06:53	17° Y 09'19		evening set	-11150 Aug 19 j 07:04	23° II 46'10	
conjunction	-11156 Jun 30 j 23:54	19° Y 03'21	0°54'59	conjunction	-11150 Sep 04 j 16:13	25° II 44'48	2°27'21
minimum elong	-11156 Jun 30 j 23:52	19° Y 03'21	0°55'08	minimum elong	-11150 Sep 04 j 16:13	25° II 44'48	2°27'58
max. Earth dist.	-11156 Jun 30 j 03:44	18° Y 57'35	11.28645 AU	max. Earth dist.	-11150 Sep 03 j 15:29	25° II 37'17	10.80844 AU
morning rise	-11156 Jul 17 j 13:28	20° Y 56'29		morning rise	-11150 Sep 21 j 03:16	27° II 44'09	
retrograde	-11156 Oct 23 j 19:00	27° Y 36'03			-11150 Oct 10 j 20:44	0° E	
opposition	-11155 Jan 01 j 23:00	24° Y 21'09	1°21'58	retrograde	-11149 Jan 02 j 18:56	5° E 10'58	
min. Earth dist.	-11155 Jan 02 j 17:04	24° Y 17'51	9.28583 AU	opposition	-11149 Mar 14 j 10:05	1° E 49'22	3°00'35
direct	-11155 Mar 15 j 03:30	21° Y 01'31		min. Earth dist.	-11149 Mar 15 j 06:20	1° E 45'33	8.73374 AU
evening set	-11155 Jun 25 j 05:27	27° Y 54'33			-11149 Apr 09 j 00:53	30° RII	
conjunction	-11155 Jul 11 j 19:34	29° Y 48'05	1°19'39	direct	-11149 May 22 j 21:29	28° II 29'26	
minimum elong	-11155 Jul 11 j 19:31	29° Y 48'04	1°19'55		-11149 Jul 04 j 07:07	0° E	
max. Earth dist.	-11155 Jul 10 j 21:21	29° Y 41'42	11.27619 AU	evening set	-11149 Aug 31 j 06:56	5° E 48'43	
	-11155 Jul 13 j 13:01	0° E		conjunction	-11149 Sep 16 j 18:16	7° E 50'04	2°24'41
morning rise	-11155 Jul 28 j 06:42	1° E 40'55		minimum elong	-11149 Sep 16 j 18:17	7° E 50'04	2°25'19
retrograde	-11155 Nov 04 j 02:40	8° E 23'33		max. Earth dist.	-11149 Sep 15 j 19:33	7° E 43'02	10.65365 AU
opposition	-11154 Jan 13 j 11:56	5° E 08'15	1°50'34	morning rise	-11149 Oct 03 j 08:45	9° E 52'27	
min. Earth dist.	-11154 Jan 14 j 08:22	5° E 04'32	9.26067 AU	retrograde	-11148 Jan 16 j 02:58	17° E 32'28	
direct	-11154 Mar 26 j 11:42	1° E 49'06		opposition	-11148 Mar 26 j 13:53	14° E 08'57	2°53'41
evening set	-11154 Jul 06 j 03:57	8° E 42'42		min. Earth dist.	-11148 Mar 27 j 07:47	14° E 05'32	8.57364 AU
conjunction	-11154 Jul 22 j 15:26	10° E 36'11	1°41'36	direct	-11148 Jun 03 j 08:26	10° E 48'14	
minimum elong	-11154 Jul 22 j 15:22	10° E 36'10	1°41'58	evening set	-11148 Sep 11 j 16:49	18° E 16'22	
max. Earth dist.	-11154 Jul 21 j 14:30	10° E 28'59	11.23564 AU	conjunction	-11148 Sep 28 j 07:50	20° E 20'59	2°15'11
morning rise	-11154 Aug 08 j 00:49	12° E 29'14		minimum elong	-11148 Sep 28 j 07:53	20° E 21'00	2°15'47
	-11154 Aug 31 j 07:57	15° E		max. Earth dist.	-11148 Sep 27 j 13:10	20° E 15'06	10.49063 AU
retrograde	-11154 Nov 15 j 13:04	19° E 17'02		morning rise	-11148 Oct 15 j 02:54	22° E 26'56	
opposition	-11153 Jan 25 j 04:26	16° E 01'02	2°15'30		-11147 Jan 08 j 18:46	0° E	
min. Earth dist.	-11153 Jan 26 j 03:12	15° E 56'53	9.20567 AU	retrograde	-11147 Jan 28 j 23:26	0° E 20'44	
	-11153 Feb 08 j 08:48	15° RE			-11147 Feb 18 j 09:15	30° RE	
direct	-11153 Apr 06 j 20:08	12° E 42'07		opposition	-11147 Apr 09 j 02:58	26° E 55'14	2°38'05
	-11153 May 31 j 18:43	15° E		min. Earth dist.	-11147 Apr 09 j 17:03	26° E 52'30	8.40858 AU
evening set	-11153 Jul 17 j 03:59	19° E 37'57		direct	-11147 Jun 16 j 05:17	23° E 33'33	
max. Earth dist.	-11153 Aug 01 j 10:22	21° E 24'01	11.16602 AU		-11147 Sep 14 j 23:04	0° E	
conjunction	-11153 Aug 02 j 13:21	21° E 31'53	2°00'05	evening set	-11147 Sep 24 j 14:23	1° E 11'18	
minimum elong	-11153 Aug 02 j 13:18	21° E 31'52	2°00'32	conjunction	-11147 Oct 11 j 10:18	3° E 19'38	1°58'37
morning rise	-11153 Aug 18 j 21:49	23° E 25'39		minimum elong	-11147 Oct 11 j 10:22	3° E 19'40	1°59'09
	-11153 Nov 06 j 16:54	0° II		max. Earth dist.	-11147 Oct 10 j 20:46	3° E 15'18	10.32615 AU
retrograde	-11153 Nov 27 j 06:58	0° II 20'39		morning rise	-11147 Oct 28 j 10:54	5° E 29'33	
	-11153 Dec 18 j 03:27	30° RE		retrograde	-11146 Feb 12 j 08:19	13° E 37'10	
opposition	-11152 Feb 06 j 01:43	27° E 03'37	2°35'53	opposition	-11146 Apr 23 j 01:22	10° E 09'43	2°13'36
min. Earth dist.	-11152 Feb 07 j 01:39	26° E 59'14	9.12244 AU	min. Earth dist.	-11146 Apr 23 j 10:35	10° E 07'54	8.24578 AU
direct	-11152 Apr 17 j 08:37	23° E 44'45		direct	-11146 Jun 29 j 09:59	6° E 46'58	
	-11152 Jul 20 j 19:55	0° II		evening set	-11146 Oct 08 j 00:57	14° E 34'54	
evening set	-11152 Jul 27 j 07:21	0° II 44'21			-11146 Oct 11 j 07:31	15° E	
conjunction	-11152 Aug 12 j 15:39	2° II 39'17	2°14'22	conjunction	-11146 Oct 25 j 02:42	16° E 47'14	1°35'08
minimum elong	-11152 Aug 12 j 15:36	2° II 39'16	2°14'53	minimum elong	-11146 Oct 25 j 02:46	16° E 47'15	1°35'35
max. Earth dist.	-11152 Aug 11 j 12:51	2° II 31'22	11.06942 AU	max. Earth dist.	-11146 Oct 24 j 18:47	16° E 44'39	10.16795 AU
morning rise	-11152 Aug 28 j 23:54	4° II 34'20		morning rise	-11146 Nov 11 j 09:42	19° E 01'21	
retrograde	-11152 Dec 08 j 08:24	11° II 38'21		retrograde	-11145 Feb 27 j 03:49	27° E 22'08	

Attention, astronomical year style is used: The year -11145 in astronomical counting style is the year 11146 BCE in historical counting style.

opposition	-11145 May 07 j 08:51	23° Ω 52'53	1°40'37	opposition	-11139 Aug 02 j 17:11	22° \mathbb{M} 17'15	-2°29'20
min. Earth dist.	-11145 May 07 j 12:31	23° Ω 52'09	8.09378 AU	min. Earth dist.	-11139 Aug 01 j 18:43	22° \mathbb{M} 21'59	7.87490 AU
direct	-11145 Jul 13 j 01:07	20° Ω 28'58		direct	-11139 Oct 07 j 19:45	18° \mathbb{M} 47'21	
evening set	-11145 Oct 22 j 01:24	28° Ω 27'15		evening set	-11138 Jan 20 j 23:08	27° \mathbb{M} 11'55	
	-11145 Nov 02 j 21:16	0° \mathbb{M}					
conjunction	-11145 Nov 08 j 09:29	0° \mathbb{M} 43'36	1°05'26	conjunction	-11138 Feb 08 j 02:57	29° \mathbb{M} 34'36	-2°08'44
minimum elong	-11145 Nov 08 j 09:33	0° \mathbb{M} 43'37	1°05'46	minimum elong	-11138 Feb 08 j 02:53	29° \mathbb{M} 34'35	2°09'14
max. Earth dist.	-11145 Nov 08 j 07:39	0° \mathbb{M} 43'00	10.02535 AU	max. Earth dist.	-11138 Feb 09 j 09:39	29° \mathbb{M} 44'43	9.92157 AU
morning rise	-11145 Nov 25 j 23:18	3° \mathbb{M} 01'52			-11138 Feb 11 j 08:00	0° \mathbb{M}	
retrograde	-11144 Mar 13 j 08:21	11° \mathbb{M} 34'09		morning rise	-11138 Feb 26 j 06:55	1° \mathbb{M} 57'15	
opposition	-11144 May 21 j 00:19	8° \mathbb{M} 03'21	1°00'23	retrograde	-11138 Jun 11 j 14:00	10° \mathbb{M} 19'54	
min. Earth dist.	-11144 May 20 j 22:24	8° \mathbb{M} 03'44	7.96264 AU	min. Earth dist.	-11138 Aug 16 j 04:12	6° \mathbb{M} 54'22	7.97964 AU
direct	-11144 Jul 26 j 02:52	4° \mathbb{M} 38'12		opposition	-11138 Aug 17 j 03:23	6° \mathbb{M} 49'32	-2°50'38
evening set	-11144 Nov 04 j 16:02	12° \mathbb{M} 46'18		direct	-11138 Oct 22 j 19:21	3° \mathbb{M} 19'29	
				evening set	-11137 Feb 05 j 10:59	11° \mathbb{M} 38'13	
conjunction	-11144 Nov 22 j 06:23	15° \mathbb{M} 06'19	0°30'55	conjunction	-11137 Feb 23 j 13:16	13° \mathbb{M} 58'16	-2°21'46
minimum elong	-11144 Nov 22 j 06:24	15° \mathbb{M} 06'20	0°31'07	minimum elong	-11137 Feb 23 j 13:13	13° \mathbb{M} 58'15	2°22'21
max. Earth dist.	-11144 Nov 22 j 11:16	15° \mathbb{M} 07'57	9.90840 AU	max. Earth dist.	-11137 Feb 24 j 19:47	14° \mathbb{M} 08'10	10.04193 AU
morning rise	-11144 Dec 10 j 02:33	17° \mathbb{M} 28'14		morning rise	-11137 Mar 13 j 14:11	16° \mathbb{M} 17'47	
retrograde	-11143 Mar 28 j 18:51	26° \mathbb{M} 09'10		retrograde	-11137 Jun 25 j 14:36	24° \mathbb{M} 26'34	
opposition	-11143 Jun 04 j 21:45	22° \mathbb{M} 37'10	0°15'08	min. Earth dist.	-11137 Aug 30 j 06:13	21° \mathbb{M} 02'32	8.11348 AU
min. Earth dist.	-11143 Jun 04 j 14:29	22° \mathbb{M} 38'40	7.86213 AU	opposition	-11137 Aug 31 j 04:21	20° \mathbb{M} 57'57	-3°00'49
direct	-11143 Aug 09 j 14:11	19° \mathbb{M} 10'47		direct	-11137 Nov 06 j 11:48	17° \mathbb{M} 28'06	
desc. node	-11143 Oct 04 j 09:39	22° \mathbb{M} 01'39		evening set	-11136 Feb 20 j 11:51	25° \mathbb{M} 38'35	
evening set	-11143 Nov 19 j 19:24	27° \mathbb{M} 27'24					
conjunction	-11143 Dec 07 j 15:21	29° \mathbb{M} 50'19	-0°06'22	conjunction	-11136 Mar 09 j 11:48	27° \mathbb{M} 55'29	-2°26'01
minimum elong	-11143 Dec 07 j 15:21	29° \mathbb{M} 50'19	0°06'20	minimum elong	-11136 Mar 09 j 11:48	27° \mathbb{M} 55'29	2°26'38
behind sun begin	-11143 Dec 07 j 08:26	29° \mathbb{M} 48'01		max. Earth dist.	-11136 Mar 10 j 16:02	28° \mathbb{M} 04'29	10.18725 AU
behind sun end	-11143 Dec 07 j 22:15	29° \mathbb{M} 52'37			-11136 Mar 25 j 20:28	0° \mathbb{M}	
max. Earth dist.	-11143 Dec 08 j 03:23	29° \mathbb{M} 54'21	9.82607 AU	morning rise	-11136 Mar 27 j 09:09	0° \mathbb{M} 11'28	
	-11143 Dec 08 j 20:11	0° \mathbb{M}		retrograde	-11136 Jul 08 j 03:10	8° \mathbb{M} 05'14	
morning rise	-11143 Dec 25 j 16:46	2° \mathbb{M} 14'58		opposition	-11136 Sep 12 j 19:34	4° \mathbb{M} 38'38	-3°00'13
retrograde	-11142 Apr 13 j 08:05	11° \mathbb{M} 00'50		min. Earth dist.	-11136 Sep 12 j 00:04	4° \mathbb{M} 42'37	8.26756 AU
opposition	-11142 Jun 19 j 22:48	7° \mathbb{M} 28'05	-0°32'04	direct	-11136 Nov 19 j 20:44	1° \mathbb{M} 09'21	
min. Earth dist.	-11142 Jun 19 j 10:29	7° \mathbb{M} 30'39	7.80008 AU	evening set	-11135 Mar 05 j 23:17	9° \mathbb{M} 09'51	
direct	-11142 Aug 24 j 09:46	4° \mathbb{M} 00'30					
evening set	-11142 Dec 05 j 09:03	12° \mathbb{M} 23'33		conjunction	-11135 Mar 23 j 20:26	11° \mathbb{M} 23'23	-2°22'00
conjunction	-11142 Dec 23 j 09:24	14° \mathbb{M} 48'17	-0°43'36	minimum elong	-11135 Mar 23 j 20:27	11° \mathbb{M} 23'23	2°22'37
minimum elong	-11142 Dec 23 j 09:21	14° \mathbb{M} 48'16	0°43'44	max. Earth dist.	-11135 Mar 24 j 20:28	11° \mathbb{M} 30'54	10.34834 AU
max. Earth dist.	-11142 Dec 24 j 04:12	14° \mathbb{M} 54'37	9.78482 AU	morning rise	-11135 Apr 10 j 14:04	13° \mathbb{M} 35'43	
morning rise	-11141 Jan 10 j 14:21	17° \mathbb{M} 14'27		retrograde	-11135 Jul 21 j 02:02	21° \mathbb{M} 14'26	
retrograde	-11141 Apr 28 j 20:12	26° \mathbb{M} 00'51		min. Earth dist.	-11135 Sep 25 j 08:33	17° \mathbb{M} 53'14	8.43274 AU
min. Earth dist.	-11141 Jul 04 j 07:47	22° \mathbb{M} 31'23	7.78127 AU	opposition	-11135 Sep 26 j 00:42	17° \mathbb{M} 49'59	-2°50'00
opposition	-11141 Jul 05 j 00:25	22° \mathbb{M} 27'53	-1°17'33	direct	-11135 Dec 03 j 20:47	14° \mathbb{M} 21'33	
direct	-11141 Sep 08 j 11:34	18° \mathbb{M} 59'15		evening set	-11134 Mar 19 j 20:40	22° \mathbb{M} 11'14	
evening set	-11141 Dec 21 j 05:32	27° \mathbb{M} 26'02					
conjunction	-11140 Jan 08 j 08:40	29° \mathbb{M} 51'19	-1°18'05	conjunction	-11134 Apr 06 j 14:50	24° \mathbb{M} 21'23	-2°10'46
minimum elong	-11140 Jan 08 j 08:36	29° \mathbb{M} 51'18	1°18'22	minimum elong	-11134 Apr 06 j 14:53	24° \mathbb{M} 21'24	2°11'21
max. Earth dist.	-11140 Jan 09 j 09:06	29° \mathbb{M} 59'32	9.78780 AU	max. Earth dist.	-11134 Apr 07 j 09:16	24° \mathbb{M} 27'03	10.51615 AU
	-11140 Jan 09 j 10:30	0° \mathbb{M}		morning rise	-11134 Apr 24 j 04:49	26° \mathbb{M} 30'11	
morning rise	-11140 Jan 26 j 15:06	2° \mathbb{M} 17'35			-11134 May 25 j 07:26	0° \mathbb{M}	
retrograde	-11140 May 13 j 03:07	10° \mathbb{M} 59'58		retrograde	-11134 Aug 02 j 12:38	3° \mathbb{M} 54'39	
opposition	-11140 Jul 18 j 23:24	7° \mathbb{M} 27'20	-1°57'39	opposition	-11134 Oct 08 j 20:01	0° \mathbb{M} 32'19	-2°31'43
min. Earth dist.	-11140 Jul 18 j 03:19	7° \mathbb{M} 31'34	7.80698 AU	min. Earth dist.	-11134 Oct 08 j 07:22	0° \mathbb{M} 34'50	8.60021 AU
direct	-11140 Sep 22 j 15:58	3° \mathbb{M} 57'54			-11134 Oct 15 j 16:05	30° \mathbb{R}	
evening set	-11139 Jan 05 j 03:58	12° \mathbb{M} 25'16		direct	-11134 Dec 17 j 11:14	27° \mathbb{M} 05'01	
					-11133 Feb 16 j 13:31	0° \mathbb{M}	
conjunction	-11139 Jan 23 j 08:11	14° \mathbb{M} 49'47	-1°47'08	evening set	-11133 Apr 02 j 04:10	4° \mathbb{M} 43'45	
minimum elong	-11139 Jan 23 j 08:06	14° \mathbb{M} 49'46	1°47'32				
	-11139 Jan 24 j 14:46	15° \mathbb{M}		conjunction	-11133 Apr 19 j 19:17	6° \mathbb{M} 50'42	-1°53'34
max. Earth dist.	-11139 Jan 24 j 12:43	14° \mathbb{M} 59'19	9.83465 AU	minimum elong	-11133 Apr 19 j 19:20	6° \mathbb{M} 50'43	1°54'06
morning rise	-11139 Feb 10 j 14:08	17° \mathbb{M} 14'48		max. Earth dist.	-11133 Apr 20 j 08:13	6° \mathbb{M} 54'37	10.68214 AU
retrograde	-11139 May 28 j 01:54	25° \mathbb{M} 49'00		morning rise	-11133 May 07 j 05:37	8° \mathbb{M} 56'10	
					-11133 Jul 09 j 13:59	15° \mathbb{M}	
				retrograde	-11133 Aug 14 j 15:34	16° \mathbb{M} 07'51	
					-11133 Sep 20 j 06:14	15° \mathbb{R}	

Attention, astronomical year style is used: The year -11133 in astronomical counting style is the year 11134 BCE in historical counting style.

opposition	-11133 Oct 21 j 06:46	12° \approx 47'32	-2°07'08	retrograde	-11127 Oct 19 j 11:23	23° Υ 14'50	
min. Earth dist.	-11133 Oct 20 j 21:45	12° \approx 49'17	8.76196 AU	opposition	-11127 Dec 28 j 11:02	20° Υ 00'33	1°08'52
direct	-11133 Dec 30 j 13:45	9° \approx 21'31		min. Earth dist.	-11127 Dec 29 j 04:23	19° Υ 57'24	9.30235 AU
	-11132 Mar 28 j 18:42	15° \approx		direct	-11126 Mar 10 j 14:25	16° Υ 41'12	
evening set	-11132 Apr 13 j 22:35	16° \approx 49'46		evening set	-11126 Jun 20 j 23:41	23° Υ 34'14	
conjunction	-11132 May 01 j 10:31	18° \approx 53'47	-1°31'48	conjunction	-11126 Jul 07 j 14:53	25° Υ 27'49	1°09'25
minimum elong	-11132 May 01 j 10:35	18° \approx 53'48	1°32'14	minimum elong	-11126 Jul 07 j 14:50	25° Υ 27'48	1°09'39
max. Earth dist.	-11132 May 01 j 18:29	18° \approx 56'09	10.83875 AU	max. Earth dist.	-11126 Jul 06 j 16:28	25° Υ 21'23	11.29930 AU
morning rise	-11132 May 18 j 17:10	20° \approx 56'13		morning rise	-11126 Jul 24 j 03:00	27° Υ 20'35	
retrograde	-11132 Aug 25 j 09:24	27° \approx 56'59			-11126 Aug 18 j 02:43	0° \mathcal{B}	
opposition	-11132 Nov 01 j 10:05	24° \approx 38'30	-1°37'55	retrograde	-11126 Oct 30 j 15:59	4° \mathcal{B} 01'19	
min. Earth dist.	-11132 Nov 01 j 05:32	24° \approx 39'22	8.91113 AU	opposition	-11125 Jan 08 j 23:10	0° \mathcal{B} 46'45	1°38'44
direct	-11131 Jan 11 j 07:03	21° \approx 13'51		min. Earth dist.	-11125 Jan 09 j 20:06	0° \mathcal{B} 42'57	9.28950 AU
evening set	-11131 Apr 26 j 05:31	28° \approx 32'35			-11125 Jan 19 j 18:59	30° $\mathcal{R}\Upsilon$	
	-11131 May 08 j 18:25	0° \mathcal{H}		direct	-11125 Mar 22 j 00:22	27° Υ 27'52	
conjunction	-11131 May 13 j 14:07	0° \mathcal{H} 33'56	-1°06'45		-11125 May 19 j 09:46	0° \mathcal{B}	
minimum elong	-11131 May 13 j 14:10	0° \mathcal{H} 33'57	1°07'05	evening set	-11125 Jul 01 j 22:10	4° \mathcal{B} 20'49	
max. Earth dist.	-11131 May 13 j 16:44	0° \mathcal{H} 34'42	10.97961 AU	max. Earth dist.	-11125 Jul 17 j 09:19	6° \mathcal{B} 06'53	11.26981 AU
morning rise	-11131 May 30 j 17:14	2° \mathcal{H} 33'44		conjunction	-11125 Jul 18 j 10:34	6° \mathcal{B} 14'09	1°32'37
retrograde	-11131 Sep 05 j 21:14	9° \mathcal{H} 25'38		minimum elong	-11125 Jul 18 j 10:31	6° \mathcal{B} 14'08	1°32'57
opposition	-11131 Nov 13 j 07:09	6° \mathcal{H} 08'43	-1°05'39	morning rise	-11125 Aug 03 j 20:41	8° \mathcal{B} 06'56	
min. Earth dist.	-11131 Nov 13 j 07:53	6° \mathcal{H} 08'35	9.04205 AU	retrograde	-11125 Nov 11 j 00:57	14° \mathcal{B} 52'03	
direct	-11130 Jan 23 j 15:47	2° \mathcal{H} 45'24		opposition	-11124 Jan 20 j 14:08	11° \mathcal{B} 36'48	2°05'20
evening set	-11130 May 08 j 02:36	9° \mathcal{H} 55'54		min. Earth dist.	-11124 Jan 21 j 12:44	11° \mathcal{B} 32'42	9.24436 AU
conjunction	-11130 May 25 j 07:37	11° \mathcal{H} 54'55	-0°39'38	direct	-11124 Apr 01 j 10:04	8° \mathcal{B} 18'11	
minimum elong	-11130 May 25 j 07:39	11° \mathcal{H} 54'56	0°39'52		-11124 Jul 10 j 00:26	15° \mathcal{B}	
max. Earth dist.	-11130 May 25 j 03:49	11° \mathcal{H} 53'49	11.09952 AU	evening set	-11124 Jul 11 j 21:21	15° \mathcal{B} 12'43	
morning rise	-11130 Jun 11 j 07:28	13° \mathcal{H} 52'28		max. Earth dist.	-11124 Jul 27 j 05:08	16° \mathcal{B} 58'37	11.20888 AU
retrograde	-11130 Sep 17 j 02:26	20° \mathcal{H} 37'41		conjunction	-11124 Jul 28 j 07:38	17° \mathcal{B} 06'19	1°52'40
opposition	-11130 Nov 24 j 23:32	17° \mathcal{H} 22'01	-0°31'42	minimum elong	-11124 Jul 28 j 07:35	17° \mathcal{B} 06'18	1°53'05
min. Earth dist.	-11130 Nov 25 j 05:01	17° \mathcal{H} 20'59	9.14990 AU	morning rise	-11124 Aug 13 j 16:17	18° \mathcal{B} 59'37	
direct	-11129 Feb 04 j 16:50	13° \mathcal{H} 59'56		retrograde	-11124 Nov 21 j 17:22	25° \mathcal{B} 51'09	
evening set	-11129 May 19 j 15:33	21° \mathcal{H} 03'39		opposition	-11123 Jan 31 j 09:14	22° \mathcal{B} 34'54	2°27'47
conjunction	-11129 Jun 05 j 16:58	23° \mathcal{H} 00'42	-0°11'34	min. Earth dist.	-11123 Feb 01 j 08:57	22° \mathcal{B} 30'34	9.16879 AU
minimum elong	-11129 Jun 05 j 16:58	23° \mathcal{H} 00'42	0°11'41	direct	-11123 Apr 12 j 20:51	19° \mathcal{B} 16'17	
behind sun begin	-11129 Jun 05 j 11:58	22° \mathcal{H} 59'17		evening set	-11123 Jul 22 j 23:20	26° \mathcal{B} 13'59	
behind sun end	-11129 Jun 05 j 21:58	23° \mathcal{H} 02'08		max. Earth dist.	-11123 Aug 07 j 04:04	28° \mathcal{B} 00'10	11.11889 AU
max. Earth dist.	-11129 Jun 05 j 07:32	22° \mathcal{H} 58'00	11.19424 AU	conjunction	-11123 Aug 08 j 08:04	28° \mathcal{B} 08'23	2°08'50
morning rise	-11129 Jun 22 j 13:36	24° \mathcal{H} 56'25		minimum elong	-11123 Aug 08 j 08:01	28° \mathcal{B} 08'23	2°09'19
	-11129 Aug 14 j 13:36	0° Υ		morning rise	-11123 Aug 24 j 16:09	0° \mathcal{I} 02'46	
retrograde	-11129 Sep 28 j 05:53	1° Υ 37'13			-11123 Aug 24 j 06:32	0° \mathcal{I}	
asc. node	-11129 Nov 06 j 21:08	0° Υ 23'48		retrograde	-11123 Dec 03 j 14:43	7° \mathcal{I} 02'34	
	-11129 Nov 13 j 09:53	30° \mathcal{H}		opposition	-11122 Feb 12 j 09:44	3° \mathcal{I} 44'59	2°45'10
opposition	-11129 Dec 06 j 12:38	28° \mathcal{H} 22'23	0°02'44	min. Earth dist.	-11122 Feb 13 j 10:34	3° \mathcal{I} 40'25	9.06555 AU
min. Earth dist.	-11129 Dec 06 j 21:44	28° \mathcal{H} 20'42	9.23095 AU	direct	-11122 Apr 24 j 09:14	0° \mathcal{I} 26'07	
direct	-11128 Feb 16 j 13:50	25° \mathcal{H} 01'25		evening set	-11122 Aug 03 j 05:35	7° \mathcal{I} 28'33	
	-11128 May 11 j 10:38	0° Υ		max. Earth dist.	-11122 Aug 18 j 08:54	9° \mathcal{I} 15'46	11.00315 AU
evening set	-11128 May 29 j 22:10	1° Υ 59'54		conjunction	-11122 Aug 19 j 13:35	9° \mathcal{I} 24'18	2°20'22
conjunction	-11128 Jun 15 j 20:08	3° Υ 55'22	0°16'36	minimum elong	-11122 Aug 19 j 13:33	9° \mathcal{I} 24'17	2°20'56
minimum elong	-11128 Jun 15 j 20:07	3° Υ 55'22	0°16'35	morning rise	-11122 Sep 04 j 22:12	11° \mathcal{I} 20'19	
max. Earth dist.	-11128 Jun 15 j 06:49	3° Υ 51'34	11.26057 AU	retrograde	-11122 Dec 15 j 21:28	18° \mathcal{I} 30'12	
morning rise	-11128 Jul 02 j 13:33	5° Υ 49'38		opposition	-11121 Feb 24 j 17:06	15° \mathcal{I} 10'59	2°56'34
retrograde	-11128 Oct 08 j 09:21	12° Υ 28'13		min. Earth dist.	-11121 Feb 25 j 17:48	15° \mathcal{I} 06'24	8.93833 AU
opposition	-11128 Dec 16 j 23:59	9° Υ 13'51	0°36'34	direct	-11121 May 06 j 04:15	11° \mathcal{I} 51'37	
min. Earth dist.	-11128 Dec 17 j 12:57	9° Υ 11'29	9.28246 AU	evening set	-11121 Aug 14 j 17:35	19° \mathcal{I} 00'11	
direct	-11127 Feb 27 j 03:46	5° Υ 53'50		max. Earth dist.	-11121 Aug 29 j 23:10	20° \mathcal{I} 49'42	10.86568 AU
evening set	-11127 Jun 10 j 00:12	12° Υ 48'41		conjunction	-11121 Aug 31 j 02:09	20° \mathcal{I} 57'52	2°26'33
conjunction	-11127 Jun 26 j 18:45	14° Υ 43'00	0°43'50	minimum elong	-11121 Aug 31 j 02:08	20° \mathcal{I} 57'51	2°27'09
minimum elong	-11127 Jun 26 j 18:44	14° Υ 42'59	0°43'57	morning rise	-11121 Sep 16 j 12:16	22° \mathcal{I} 56'07	
max. Earth dist.	-11127 Jun 26 j 01:09	14° Υ 37'58	11.29612 AU		-11121 Dec 09 j 16:23	0° \mathcal{E}	
morning rise	-11127 Jul 13 j 09:17	16° Υ 36'18		retrograde	-11121 Dec 28 j 14:14	0° \mathcal{E} 17'41	

Attention, astronomical year style is used: The year -11120 in astronomical counting style is the year 11121 BCE in historical counting style.

	-11120 Jan 16 j 17:17	30° κ II		morning rise	-11115 Dec 04 j 00:24	11° η 31'47	
opposition	-11120 Mar 08 j 08:14	26° Π 56'34	3°01'05	retrograde	-11114 Mar 22 j 12:40	20° η 09'48	
min. Earth dist.	-11120 Mar 09 j 06:55	26° Π 52'19	8.79166 AU	opposition	-11114 May 29 j 23:16	16° η 37'46	0°35'01
direct	-11120 May 17 j 04:15	23° Π 36'33		min. Earth dist.	-11114 May 29 j 17:31	16° η 38'57	7.89036 AU
	-11120 Aug 18 j 04:25	0° ϕ		direct	-11114 Aug 03 j 20:51	13° η 11'30	
evening set	-11120 Aug 25 j 13:26	0° ϕ 52'32		evening set	-11114 Nov 13 j 16:59	21° η 24'54	
conjunction	-11120 Sep 10 j 23:51	2° ϕ 52'44	2°26'41	conjunction	-11114 Dec 01 j 10:48	23° η 46'47	0°09'53
minimum elong	-11120 Sep 10 j 23:52	2° ϕ 52'45	2°27'18	minimum elong	-11114 Dec 01 j 10:48	23° η 46'47	0°10'00
max. Earth dist.	-11120 Sep 09 j 23:51	2° ϕ 45'22	10.71153 AU	behind sun begin	-11114 Dec 01 j 04:56	23° η 44'50	
morning rise	-11120 Sep 27 j 12:38	4° ϕ 53'49		behind sun end	-11114 Dec 01 j 16:40	23° η 48'44	
retrograde	-11119 Jan 09 j 18:19	12° ϕ 28'19		max. Earth dist.	-11114 Dec 01 j 22:04	23° η 50'33	9.84815 AU
opposition	-11119 Mar 21 j 07:50	9° ϕ 05'10	2°57'48	morning rise	-11114 Dec 19 j 10:01	26° η 10'29	
min. Earth dist.	-11119 Mar 22 j 03:14	9° ϕ 01'29	8.63116 AU		-11113 Jan 19 j 09:19	0° ϕ	
direct	-11119 May 29 j 11:38	5° ϕ 44'19		desc. node	-11113 Mar 11 j 19:58	4° ϕ 17'27	
evening set	-11119 Sep 06 j 18:48	13° ϕ 08'54		retrograde	-11113 Apr 07 j 01:34	4° ϕ 54'59	
max. Earth dist.	-11119 Sep 22 j 11:14	15° ϕ 05'38	10.54691 AU	opposition	-11113 Jun 13 j 22:58	1° ϕ 22'08	-0°11'48
				min. Earth dist.	-11113 Jun 13 j 11:15	1° ϕ 24'35	7.81529 AU
conjunction	-11119 Sep 23 j 08:13	15° ϕ 12'12	2°20'11		-11113 Jun 30 j 21:09	30° κ η	
minimum elong	-11119 Sep 23 j 08:16	15° ϕ 12'13	2°20'48	direct	-11113 Aug 18 j 11:52	27° η 54'49	
morning rise	-11119 Oct 10 j 01:04	17° ϕ 16'41			-11113 Oct 04 j 17:28	0° ϕ	
retrograde	-11118 Jan 23 j 10:57	25° ϕ 04'57		evening set	-11113 Nov 29 j 02:33	6° ϕ 15'29	
opposition	-11118 Apr 03 j 16:58	21° ϕ 39'45	2°46'01				
min. Earth dist.	-11118 Apr 04 j 08:40	21° ϕ 36'43	8.46357 AU	conjunction	-11113 Dec 17 j 01:19	8° ϕ 39'39	-0°27'47
direct	-11118 Jun 11 j 02:43	18° ϕ 17'56		minimum elong	-11113 Dec 17 j 01:18	8° ϕ 39'38	0°27'50
evening set	-11118 Sep 19 j 11:08	25° ϕ 52'00		max. Earth dist.	-11113 Dec 17 j 19:46	8° ϕ 45'51	9.79291 AU
max. Earth dist.	-11118 Oct 05 j 11:48	27° ϕ 53'28	10.37915 AU	morning rise	-11112 Jan 04 j 04:49	11° ϕ 05'22	
				retrograde	-11112 Apr 21 j 15:50	19° ϕ 52'13	
conjunction	-11118 Oct 06 j 04:46	27° ϕ 58'53	2°06'40	min. Earth dist.	-11112 Jun 27 j 07:54	16° ϕ 22'36	7.78170 AU
minimum elong	-11118 Oct 06 j 04:50	27° ϕ 58'54	2°07'14	opposition	-11112 Jun 28 j 00:37	16° ϕ 19'06	-0°58'30
	-11118 Oct 22 j 03:44	0° Ω		direct	-11112 Sep 01 j 10:29	12° ϕ 50'51	
morning rise	-11118 Oct 23 j 02:57	0° Ω 07'15		evening set	-11112 Dec 13 j 20:37	21° ϕ 16'24	
retrograde	-11117 Feb 06 j 15:06	8° Ω 09'34					
opposition	-11117 Apr 17 j 11:46	4° Ω 42'21	2°25'20	conjunction	-11112 Dec 31 j 22:45	23° ϕ 41'36	-1°03'49
min. Earth dist.	-11117 Apr 17 j 23:16	4° Ω 40'06	8.29681 AU	minimum elong	-11112 Dec 31 j 22:41	23° ϕ 41'35	1°04'02
direct	-11117 Jun 24 j 02:47	1° Ω 19'28		max. Earth dist.	-11111 Jan 01 j 23:14	23° ϕ 49'50	9.78082 AU
evening set	-11117 Oct 02 j 16:06	9° Ω 03'40		morning rise	-11111 Jan 19 j 04:35	26° ϕ 07'58	
					-11111 Feb 19 j 09:45	0° η	
conjunction	-11117 Oct 19 j 15:11	11° Ω 14'27	1°46'05	retrograde	-11111 May 07 j 02:17	4° η 52'41	
minimum elong	-11117 Oct 19 j 15:15	11° Ω 14'29	1°46'35	min. Earth dist.	-11111 Jul 12 j 04:43	1° η 24'09	7.79241 AU
max. Earth dist.	-11117 Oct 19 j 03:43	11° Ω 10'45	10.21649 AU	opposition	-11111 Jul 13 j 01:05	1° η 19'52	-1°41'20
morning rise	-11117 Nov 05 j 19:37	13° Ω 26'59			-11111 Jul 29 j 06:49	30° κ ϕ	
	-11117 Nov 18 j 06:57	15° Ω		direct	-11111 Sep 16 j 13:39	27° ϕ 50'55	
retrograde	-11116 Feb 21 j 04:46	21° Ω 42'54			-11111 Nov 03 j 19:55	0° η	
opposition	-11116 Apr 30 j 15:43	18° Ω 13'49	1°55'52	evening set	-11111 Dec 29 j 18:45	6° η 18'19	
min. Earth dist.	-11116 Apr 30 j 22:16	18° Ω 12'30	8.13963 AU				
	-11116 Jun 23 j 02:24	15° κ Ω		conjunction	-11110 Jan 16 j 22:33	8° η 43'16	-1°35'29
direct	-11116 Jul 06 j 15:06	14° Ω 49'47		minimum elong	-11110 Jan 16 j 22:29	8° η 43'14	1°35'51
	-11116 Jul 20 j 01:22	15° Ω		max. Earth dist.	-11110 Jan 18 j 03:19	8° η 52'53	9.81323 AU
evening set	-11116 Oct 15 j 10:38	22° Ω 44'18		morning rise	-11110 Feb 04 j 04:49	11° η 08'54	
					-11110 Mar 07 j 11:41	15° η	
conjunction	-11116 Nov 01 j 15:59	24° Ω 59'08	1°18'54	retrograde	-11110 May 22 j 05:22	19° η 47'03	
minimum elong	-11116 Nov 01 j 16:03	24° Ω 59'10	1°19'18	opposition	-11110 Jul 27 j 21:30	16° η 15'06	-2°16'55
max. Earth dist.	-11116 Nov 01 j 11:34	24° Ω 57'41	10.06779 AU	min. Earth dist.	-11110 Jul 26 j 23:07	16° η 19'49	7.84684 AU
morning rise	-11116 Nov 19 j 03:04	27° Ω 15'52			-11110 Aug 12 j 02:58	15° κ η	
	-11116 Dec 11 j 06:10	0° η		direct	-11110 Oct 01 j 17:50	12° η 45'42	
retrograde	-11115 Mar 07 j 04:43	5° η 44'00			-11110 Nov 20 j 09:39	15° η	
opposition	-11115 May 15 j 04:05	2° η 13'16	1°18'30	evening set	-11109 Jan 14 j 16:03	21° η 11'39	
min. Earth dist.	-11115 May 15 j 04:47	2° η 13'07	8.00114 AU				
	-11115 Jun 14 j 00:02	30° κ Ω		conjunction	-11109 Feb 01 j 20:00	23° η 35'09	-2°00'28
direct	-11115 Jul 20 j 13:29	28° Ω 48'06		minimum elong	-11109 Feb 01 j 19:56	23° η 35'07	2°00'57
	-11115 Aug 25 j 05:51	0° η		max. Earth dist.	-11109 Feb 03 j 02:52	23° η 45'22	9.88780 AU
evening set	-11115 Oct 29 j 19:03	6° η 52'33		morning rise	-11109 Feb 20 j 01:00	25° η 58'50	
					-11109 Mar 25 j 05:39	0° χ	
conjunction	-11115 Nov 16 j 06:51	9° η 11'13	0°46'14	retrograde	-11109 Jun 05 j 22:23	4° χ 26'36	
minimum elong	-11115 Nov 16 j 06:54	9° η 11'14	0°46'29	opposition	-11109 Aug 11 j 11:19	0° χ 56'01	-2°42'48
max. Earth dist.	-11115 Nov 16 j 10:20	9° η 12'22	9.94212 AU	min. Earth dist.	-11109 Aug 10 j 12:11	1° χ 00'51	7.94073 AU

Attention, astronomical year style is used: The year -11109 in astronomical counting style is the year 11110 BCE in historical counting style.

	-11109 Aug 22 j 18:20	30° \mathbb{R} \mathbb{M}	direct	-11102 Jan 06 j 08:03	16° \approx 28'33	
direct	-11109 Oct 16 j 20:00	27° \mathbb{M} 26'27	evening set	-11102 Apr 21 j 11:31	23° \approx 51'08	
	-11109 Dec 09 j 17:16	0° \mathbb{A}				
evening set	-11108 Jan 30 j 07:47	5° \mathbb{A} 47'44	conjunction	-11102 May 08 j 21:29	25° \approx 53'33	-1°17'42
			minimum elong	-11102 May 08 j 21:32	25° \approx 53'34	1°18'05
conjunction	-11108 Feb 17 j 10:34	8° \mathbb{A} 08'49	max. Earth dist.	-11102 May 08 j 23:57	25° \approx 54'16	10.92616 AU
minimum elong	-11108 Feb 17 j 10:31	8° \mathbb{A} 08'48	morning rise	-11102 May 26 j 02:18	27° \approx 54'26	
max. Earth dist.	-11108 Feb 18 j 17:29	8° \mathbb{A} 18'55		-11102 Jun 13 j 21:27	0° \mathbb{H}	
morning rise	-11108 Mar 06 j 12:56	10° \mathbb{A} 29'37	retrograde	-11102 Sep 01 j 10:15	4° \mathbb{H} 49'50	
retrograde	-11108 Jun 19 j 03:18	18° \mathbb{A} 44'11	opposition	-11102 Nov 08 j 16:35	1° \mathbb{H} 32'25	-1°19'39
opposition	-11108 Aug 24 j 16:26	15° \mathbb{A} 15'20	min. Earth dist.	-11102 Nov 08 j 15:54	1° \mathbb{H} 32'32	8.99070 AU
min. Earth dist.	-11108 Aug 23 j 17:40	15° \mathbb{A} 20'03		-11102 Nov 29 j 18:36	30° \mathbb{R} \approx	
direct	-11108 Oct 30 j 16:36	11° \mathbb{A} 45'56	direct	-11101 Jan 18 j 21:41	28° \approx 08'34	
evening set	-11107 Feb 13 j 13:40	19° \mathbb{A} 59'43	evening set	-11101 Mar 09 j 02:45	0° \mathbb{H}	
				-11101 May 03 j 12:44	5° \mathbb{H} 22'27	
conjunction	-11107 Mar 03 j 14:27	22° \mathbb{A} 17'48	conjunction	-11101 May 20 j 19:23	7° \mathbb{H} 22'27	-0°51'21
minimum elong	-11107 Mar 03 j 14:26	22° \mathbb{A} 17'47	minimum elong	-11101 May 20 j 19:26	7° \mathbb{H} 22'28	0°51'38
max. Earth dist.	-11107 Mar 04 j 19:35	22° \mathbb{A} 27'09	max. Earth dist.	-11101 May 20 j 16:54	7° \mathbb{H} 21'43	11.05058 AU
morning rise	-11107 Mar 21 j 13:27	24° \mathbb{A} 35'09	morning rise	-11101 Jun 06 j 20:42	9° \mathbb{H} 20'56	
	-11107 May 09 j 11:03	0° \mathbb{Z}	retrograde	-11101 Sep 12 j 19:10	16° \mathbb{H} 08'48	
retrograde	-11107 Jul 02 j 20:21	2° \mathbb{Z} 34'54	opposition	-11101 Nov 20 j 10:53	12° \mathbb{H} 52'34	-0°46'17
	-11107 Aug 27 j 19:11	30° \mathbb{R} \mathbb{A}	min. Earth dist.	-11101 Nov 20 j 14:35	12° \mathbb{H} 51'52	9.10380 AU
opposition	-11107 Sep 07 j 11:47	29° \mathbb{A} 08'00	direct	-11100 Jan 31 j 01:15	9° \mathbb{H} 29'51	
min. Earth dist.	-11107 Sep 06 j 14:28	29° \mathbb{A} 12'22	evening set	-11100 May 14 j 04:52	16° \mathbb{H} 36'21	
direct	-11107 Nov 14 j 05:45	25° \mathbb{A} 39'03				
	-11106 Jan 27 j 03:03	0° \mathbb{Z}	conjunction	-11100 May 31 j 08:03	18° \mathbb{H} 34'15	-0°23'35
evening set	-11106 Feb 28 j 06:47	3° \mathbb{Z} 43'19	minimum elong	-11100 May 31 j 08:04	18° \mathbb{H} 34'16	0°23'45
			max. Earth dist.	-11100 May 31 j 00:44	18° \mathbb{H} 32'09	11.15152 AU
conjunction	-11106 Mar 18 j 05:08	5° \mathbb{Z} 58'05	morning rise	-11100 Jun 17 j 05:58	20° \mathbb{H} 30'45	
minimum elong	-11106 Mar 18 j 05:09	5° \mathbb{Z} 58'05	retrograde	-11100 Sep 22 j 23:30	27° \mathbb{H} 13'18	
max. Earth dist.	-11106 Mar 19 j 06:54	6° \mathbb{Z} 06'13	opposition	-11100 Dec 01 j 01:18	23° \mathbb{H} 57'55	-0°11'57
morning rise	-11106 Apr 05 j 00:24	8° \mathbb{Z} 11'47	min. Earth dist.	-11100 Dec 01 j 09:57	23° \mathbb{H} 56'19	9.19191 AU
retrograde	-11106 Jul 16 j 00:40	15° \mathbb{Z} 56'20	direct	-11099 Feb 10 j 23:30	20° \mathbb{H} 36'12	
opposition	-11106 Sep 20 j 20:55	12° \mathbb{Z} 31'31	asc. node	-11099 Apr 10 j 01:22	23° \mathbb{H} 05'44	
min. Earth dist.	-11106 Sep 20 j 02:26	12° \mathbb{Z} 35'15	evening set	-11099 May 25 j 14:01	27° \mathbb{H} 36'53	
direct	-11106 Nov 28 j 09:29	9° \mathbb{Z} 03'18				
evening set	-11105 Mar 14 j 10:13	16° \mathbb{Z} 57'01	conjunction	-11099 Jun 11 j 13:33	29° \mathbb{H} 33'04	0°04'42
			minimum elong	-11099 Jun 11 j 13:32	29° \mathbb{H} 33'04	0°04'38
conjunction	-11105 Apr 01 j 05:47	19° \mathbb{Z} 08'26	behind sun begin	-11099 Jun 11 j 06:40	29° \mathbb{H} 31'07	
minimum elong	-11105 Apr 01 j 05:50	19° \mathbb{Z} 08'27	behind sun end	-11099 Jun 11 j 20:25	29° \mathbb{H} 35'01	
max. Earth dist.	-11105 Apr 02 j 02:59	19° \mathbb{Z} 15'00	max. Earth dist.	-11099 Jun 11 j 00:37	29° \mathbb{H} 29'22	11.22582 AU
morning rise	-11105 Apr 18 j 21:12	21° \mathbb{Z} 18'32		-11099 Jun 15 j 11:20	0° \mathbb{Y}	
retrograde	-11105 Jul 28 j 17:39	28° \mathbb{Z} 48'31	morning rise	-11099 Jun 28 j 08:24	1° \mathbb{Y} 27'59	
opposition	-11105 Oct 03 j 20:14	25° \mathbb{Z} 25'49	retrograde	-11099 Oct 04 j 01:10	8° \mathbb{Y} 07'25	
min. Earth dist.	-11105 Oct 03 j 06:03	25° \mathbb{Z} 28'38	opposition	-11099 Dec 12 j 13:00	4° \mathbb{Y} 52'32	0°22'15
direct	-11105 Dec 12 j 02:38	21° \mathbb{Z} 58'34	min. Earth dist.	-11099 Dec 13 j 02:05	4° \mathbb{Y} 50'08	9.25232 AU
evening set	-11104 Mar 26 j 23:42	29° \mathbb{Z} 41'29	direct	-11098 Feb 22 j 15:40	1° \mathbb{Y} 31'40	
	-11104 Mar 29 j 13:41	0° \approx	evening set	-11098 Jun 05 j 17:47	8° \mathbb{Y} 28'11	
conjunction	-11104 Apr 13 j 16:12	1° \approx 49'40				
minimum elong	-11104 Apr 13 j 16:15	1° \approx 49'41	conjunction	-11098 Jun 22 j 13:47	10° \mathbb{Y} 23'02	0°32'21
max. Earth dist.	-11104 Apr 14 j 07:39	1° \approx 54'22	minimum elong	-11098 Jun 22 j 13:45	10° \mathbb{Y} 23'02	0°32'24
morning rise	-11104 May 01 j 03:54	3° \approx 56'23	max. Earth dist.	-11098 Jun 21 j 20:13	10° \mathbb{Y} 18'01	11.27128 AU
retrograde	-11104 Aug 09 j 00:50	11° \approx 13'04	morning rise	-11098 Jul 09 j 05:45	12° \mathbb{Y} 16'50	
opposition	-11104 Oct 15 j 10:44	7° \approx 52'23	retrograde	-11098 Oct 15 j 02:41	18° \mathbb{Y} 55'23	
min. Earth dist.	-11104 Oct 15 j 01:23	7° \approx 54'13	opposition	-11098 Dec 23 j 23:48	15° \mathbb{Y} 40'38	0°55'19
direct	-11104 Dec 24 j 09:09	4° \approx 26'14	min. Earth dist.	-11098 Dec 24 j 15:51	15° \mathbb{Y} 37'42	9.28309 AU
evening set	-11103 Apr 08 j 23:39	11° \approx 58'36	direct	-11097 Mar 06 j 05:03	12° \mathbb{Y} 20'29	
			evening set	-11097 Jun 16 j 17:55	19° \mathbb{Y} 14'28	
conjunction	-11103 Apr 26 j 12:54	14° \approx 03'46	conjunction	-11097 Jul 03 j 10:41	21° \mathbb{Y} 08'26	0°58'44
minimum elong	-11103 Apr 26 j 12:58	14° \approx 03'47	minimum elong	-11097 Jul 03 j 10:39	21° \mathbb{Y} 08'25	0°58'55
max. Earth dist.	-11103 Apr 26 j 21:48	14° \approx 06'26	max. Earth dist.	-11097 Jul 02 j 14:24	21° \mathbb{Y} 02'37	11.28652 AU
	-11103 May 04 j 09:09	15° \approx	morning rise	-11097 Jul 19 j 23:52	23° \mathbb{Y} 01'30	
morning rise	-11103 May 13 j 21:08	16° \approx 07'24	retrograde	-11097 Oct 26 j 07:42	29° \mathbb{Y} 41'21	
retrograde	-11103 Aug 20 j 20:25	23° \approx 12'27	opposition	-11096 Jan 04 j 11:17	26° \mathbb{Y} 26'26	1°26'21
opposition	-11103 Oct 27 j 17:08	19° \approx 53'33	min. Earth dist.	-11096 Jan 05 j 05:51	26° \mathbb{Y} 23'03	9.28340 AU
min. Earth dist.	-11103 Oct 27 j 12:27	19° \approx 54'27				

Attention, astronomical year style is used: The year -11096 in astronomical counting style is the year 11097 BCE in historical counting style.

direct	-11096 Mar 16 j 15:04	23° Υ 06'52		min. Earth dist.	-11090 Mar 17 j 00:20	4° Θ 02'52	8.70838 AU
evening set	-11096 Jun 26 j 16:30	29° Υ 59'58		direct	-11090 May 24 j 13:30	0° Θ 46'37	
	-11096 Jun 26 j 16:37	0° \mathcal{B}		evening set	-11090 Sep 01 j 22:42	8° Θ 07'20	
max. Earth dist.	-11096 Jul 12 j 07:12	1° \mathcal{B} 46'52	11.27120 AU				
				conjunction	-11090 Sep 18 j 10:29	10° Θ 09'09	2°23'45
conjunction	-11096 Jul 13 j 06:16	1° \mathcal{B} 53'30	1°23'03	minimum elong	-11090 Sep 18 j 10:31	10° Θ 09'10	2°24'22
minimum elong	-11096 Jul 13 j 06:13	1° \mathcal{B} 53'29	1°23'20	max. Earth dist.	-11090 Sep 17 j 12:22	10° Θ 02'18	10.62773 AU
morning rise	-11096 Jul 29 j 17:08	3° \mathcal{B} 46'20		morning rise	-11090 Oct 05 j 01:28	12° Θ 12'02	
retrograde	-11096 Nov 05 j 13:57	10° \mathcal{B} 29'35		retrograde	-11089 Jan 17 j 22:58	19° Θ 54'04	
opposition	-11095 Jan 15 j 00:46	7° \mathcal{B} 14'11	1°54'28	opposition	-11089 Mar 29 j 08:59	16° Θ 30'15	2°51'59
min. Earth dist.	-11095 Jan 15 j 22:18	7° \mathcal{B} 10'15	9.25333 AU	min. Earth dist.	-11089 Mar 30 j 02:25	16° Θ 26'55	8.54738 AU
direct	-11095 Mar 27 j 22:48	3° \mathcal{B} 54'59		direct	-11089 Jun 06 j 02:24	13° Θ 09'21	
evening set	-11095 Jul 07 j 15:09	10° \mathcal{B} 48'57		evening set	-11089 Sep 14 j 10:11	20° Θ 39'00	
max. Earth dist.	-11095 Jul 23 j 00:08	12° \mathcal{B} 34'55	11.22587 AU	max. Earth dist.	-11089 Sep 30 j 08:30	22° Θ 38'41	10.46450 AU
conjunction	-11095 Jul 24 j 02:17	12° \mathcal{B} 42'29	1°44'32	conjunction	-11089 Oct 01 j 01:51	22° Θ 44'10	2°13'13
minimum elong	-11095 Jul 24 j 02:13	12° \mathcal{B} 42'28	1°44'55	minimum elong	-11089 Oct 01 j 01:54	22° Θ 44'11	2°13'48
morning rise	-11095 Aug 09 j 11:37	14° \mathcal{B} 35'37		morning rise	-11089 Oct 17 j 21:29	24° Θ 50'40	
	-11095 Aug 13 j 02:05	15° \mathcal{B}			-11089 Dec 04 j 01:04	0° \mathcal{Q}	
retrograde	-11095 Nov 17 j 02:16	21° \mathcal{B} 24'18		retrograde	-11088 Jan 31 j 22:13	2° \mathcal{Q} 46'34	
opposition	-11094 Jan 26 j 17:46	18° \mathcal{B} 08'08	2°18'48		-11088 Apr 02 j 12:18	30° $\mathcal{R}\mathcal{A}$	
min. Earth dist.	-11094 Jan 27 j 17:18	18° \mathcal{B} 03'50	9.19367 AU	opposition	-11088 Apr 10 j 23:39	29° Θ 20'46	2°35'04
	-11094 Mar 24 j 05:30	15° $\mathcal{R}\mathcal{B}$		min. Earth dist.	-11088 Apr 11 j 12:27	29° Θ 18'17	8.38298 AU
direct	-11094 Apr 08 j 09:23	14° \mathcal{B} 49'08		direct	-11088 Jun 17 j 23:11	25° Θ 58'56	
	-11094 Apr 23 j 10:23	15° \mathcal{B}			-11088 Aug 26 j 08:01	0° \mathcal{Q}	
evening set	-11094 Jul 18 j 15:35	21° \mathcal{B} 45'33		evening set	-11088 Sep 26 j 09:42	3° \mathcal{Q} 38'16	
max. Earth dist.	-11094 Aug 02 j 21:41	23° \mathcal{B} 31'41	11.15174 AU				
				conjunction	-11088 Oct 13 j 06:22	5° \mathcal{Q} 47'10	1°55'36
conjunction	-11094 Aug 04 j 00:49	23° \mathcal{B} 39'37	2°02'28	minimum elong	-11088 Oct 13 j 06:26	5° \mathcal{Q} 47'11	1°56'08
minimum elong	-11094 Aug 04 j 00:46	23° \mathcal{B} 39'36	2°02'56	max. Earth dist.	-11088 Oct 12 j 17:59	5° \mathcal{Q} 43'11	10.30163 AU
morning rise	-11094 Aug 20 j 09:11	25° \mathcal{B} 33'32		morning rise	-11088 Oct 30 j 07:44	7° \mathcal{Q} 57'40	
	-11094 Oct 03 j 02:08	0° \mathcal{I}			-11087 Jan 08 j 21:58	15° \mathcal{Q}	
retrograde	-11094 Nov 28 j 20:21	2° \mathcal{I} 29'41		retrograde	-11087 Feb 14 j 08:13	16° \mathcal{Q} 07'14	
	-11093 Jan 27 j 17:13	30° $\mathcal{R}\mathcal{B}$			-11087 Mar 23 j 06:48	15° $\mathcal{R}\mathcal{Q}$	
opposition	-11093 Feb 07 j 15:41	29° \mathcal{B} 12'25	2°38'28	opposition	-11087 Apr 24 j 23:29	12° \mathcal{Q} 39'31	2°09'17
min. Earth dist.	-11093 Feb 08 j 15:28	29° \mathcal{B} 08'04	9.10607 AU	min. Earth dist.	-11087 Apr 25 j 07:19	12° \mathcal{Q} 37'58	8.22276 AU
direct	-11093 Apr 19 j 21:17	25° \mathcal{B} 53'27		direct	-11087 Jul 01 j 05:45	9° \mathcal{Q} 16'36	
	-11093 Jul 03 j 05:33	0° \mathcal{I}			-11087 Sep 22 j 22:54	15° \mathcal{Q}	
evening set	-11093 Jul 29 j 19:36	2° \mathcal{I} 53'52		evening set	-11087 Oct 09 j 22:15	17° \mathcal{Q} 06'02	
max. Earth dist.	-11093 Aug 14 j 01:22	4° \mathcal{I} 41'09	11.05101 AU				
				conjunction	-11087 Oct 27 j 00:43	19° \mathcal{Q} 18'55	1°31'09
conjunction	-11093 Aug 15 j 03:54	4° \mathcal{I} 49'00	2°16'04	minimum elong	-11087 Oct 27 j 00:47	19° \mathcal{Q} 18'56	1°31'35
minimum elong	-11093 Aug 15 j 03:52	4° \mathcal{I} 49'00	2°16'36	max. Earth dist.	-11087 Oct 26 j 17:32	19° \mathcal{Q} 16'34	10.14687 AU
morning rise	-11093 Aug 31 j 12:05	6° \mathcal{I} 44'17		morning rise	-11087 Nov 13 j 08:38	21° \mathcal{Q} 33'36	
retrograde	-11093 Dec 11 j 00:45	13° \mathcal{I} 49'44		retrograde	-11086 Mar 01 j 04:54	29° \mathcal{Q} 56'00	
opposition	-11092 Feb 19 j 19:56	10° \mathcal{I} 31'07	2°52'31	opposition	-11086 May 09 j 08:16	26° \mathcal{Q} 26'32	1°35'09
min. Earth dist.	-11092 Feb 20 j 18:56	10° \mathcal{I} 26'53	8.99328 AU	min. Earth dist.	-11086 May 09 j 11:01	26° \mathcal{Q} 25'59	8.07479 AU
direct	-11092 Apr 30 j 13:34	7° \mathcal{I} 11'59		direct	-11086 Jul 14 j 22:32	23° \mathcal{Q} 02'27	
evening set	-11092 Aug 09 j 04:58	14° \mathcal{I} 17'50			-11086 Oct 15 j 22:14	0° \mathcal{P}	
max. Earth dist.	-11092 Aug 24 j 10:57	16° \mathcal{I} 06'45	10.92700 AU	evening set	-11086 Oct 24 j 00:28	1° \mathcal{P} 02'03	
conjunction	-11092 Aug 25 j 13:14	16° \mathcal{I} 14'38	2°24'37	conjunction	-11086 Nov 10 j 09:15	3° \mathcal{P} 18'54	1°00'39
minimum elong	-11092 Aug 25 j 13:13	16° \mathcal{I} 14'38	2°25'13	minimum elong	-11086 Nov 10 j 09:18	3° \mathcal{P} 18'55	1°00'58
morning rise	-11092 Sep 10 j 22:27	18° \mathcal{I} 11'52		max. Earth dist.	-11086 Nov 10 j 07:56	3° \mathcal{P} 18'27	10.00866 AU
retrograde	-11092 Dec 22 j 14:08	25° \mathcal{I} 28'13		morning rise	-11086 Nov 27 j 23:58	5° \mathcal{P} 37'40	
opposition	-11091 Mar 03 j 07:40	22° \mathcal{I} 08'03	3°00'03	retrograde	-11085 Mar 16 j 10:25	14° \mathcal{P} 11'12	
min. Earth dist.	-11091 Mar 04 j 05:53	22° \mathcal{I} 03'55	8.85906 AU	opposition	-11085 May 24 j 00:46	10° \mathcal{P} 40'16	0°54'02
direct	-11091 May 12 j 09:07	18° \mathcal{I} 48'31		min. Earth dist.	-11085 May 23 j 22:25	10° \mathcal{P} 40'44	7.94829 AU
evening set	-11091 Aug 20 j 21:30	26° \mathcal{I} 01'13		direct	-11085 Jul 29 j 01:28	7° \mathcal{P} 14'58	
max. Earth dist.	-11091 Sep 05 j 05:34	27° \mathcal{I} 52'31	10.78406 AU	evening set	-11085 Nov 07 j 16:45	15° \mathcal{P} 24'14	
conjunction	-11091 Sep 06 j 06:48	28° \mathcal{I} 00'13	2°27'24	conjunction	-11085 Nov 25 j 07:48	17° \mathcal{P} 44'39	0°25'36
minimum elong	-11091 Sep 06 j 06:49	28° \mathcal{I} 00'13	2°28'01	minimum elong	-11085 Nov 25 j 07:50	17° \mathcal{P} 44'39	0°25'47
morning rise	-11091 Sep 22 j 18:19	29° \mathcal{I} 59'59		max. Earth dist.	-11085 Nov 25 j 13:28	17° \mathcal{P} 46'32	9.89658 AU
	-11091 Sep 22 j 18:22	0° \mathcal{A}		morning rise	-11085 Dec 13 j 04:46	20° \mathcal{P} 06'59	
retrograde	-11090 Jan 04 j 12:03	7° \mathcal{A} 28'40		retrograde	-11084 Mar 30 j 21:38	28° \mathcal{P} 48'45	
opposition	-11090 Mar 16 j 03:42	4° \mathcal{A} 06'45	3°00'08	opposition	-11084 Jun 06 j 22:53	25° \mathcal{P} 16'42	0°08'17

Attention, astronomical year style is used: The year -11084 in astronomical counting style is the year 11085 BCE in historical counting style.

min. Earth dist.	-11084 Jun 06 j 15:16	25° \mathbb{M} 18'17	7.85293 AU	opposition	-11078 Sep 02 j 01:58	23° \mathbb{X} 31'31	-3°01'25
direct	-11084 Aug 11 j 14:08	21° \mathbb{M} 50'12		direct	-11078 Nov 08 j 11:10	20° \mathbb{X} 01'46	
desc. node	-11084 Aug 12 j 01:24	21° \mathbb{M} 50'13		evening set	-11077 Feb 22 j 11:50	28° \mathbb{X} 10'53	
	-11084 Nov 20 j 21:58	0° $\underline{\mathbb{A}}$			-11077 Mar 08 j 21:32	0° \mathbb{Z}	
evening set	-11084 Nov 21 j 21:38	0° $\underline{\mathbb{A}}$ 07'47					
				conjunction	-11077 Mar 12 j 11:22	0° \mathbb{Z} 27'19	-2°25'57
conjunction	-11084 Dec 09 j 18:13	2° $\underline{\mathbb{A}}$ 30'58	-0°11'51	minimum elong	-11077 Mar 12 j 11:22	0° \mathbb{Z} 27'19	2°26'34
minimum elong	-11084 Dec 09 j 18:13	2° $\underline{\mathbb{A}}$ 30'58	0°11'50	max. Earth dist.	-11077 Mar 13 j 14:49	0° \mathbb{Z} 36'03	10.20981 AU
behind sun begin	-11084 Dec 09 j 13:10	2° $\underline{\mathbb{A}}$ 29'17		morning rise	-11077 Mar 30 j 08:20	2° \mathbb{Z} 42'49	
behind sun end	-11084 Dec 09 j 23:16	2° $\underline{\mathbb{A}}$ 32'39		retrograde	-11077 Jul 10 j 22:03	10° \mathbb{Z} 34'28	
max. Earth dist.	-11084 Dec 10 j 07:19	2° $\underline{\mathbb{A}}$ 35'22	9.81956 AU	opposition	-11077 Sep 15 j 15:42	7° \mathbb{Z} 08'12	-2°59'20
morning rise	-11084 Dec 27 j 20:09	4° $\underline{\mathbb{A}}$ 55'54		min. Earth dist.	-11077 Sep 14 j 20:48	7° \mathbb{Z} 12'03	8.29108 AU
retrograde	-11083 Apr 15 j 11:03	13° $\underline{\mathbb{A}}$ 42'06		direct	-11077 Nov 22 j 20:14	3° \mathbb{Z} 39'02	
min. Earth dist.	-11083 Jun 21 j 11:20	10° $\underline{\mathbb{A}}$ 12'04	7.79645 AU	evening set	-11076 Mar 07 j 21:25	11° \mathbb{Z} 37'58	
opposition	-11083 Jun 22 j 00:14	10° $\underline{\mathbb{A}}$ 09'22	-0°38'54				
direct	-11083 Aug 26 j 11:28	6° $\underline{\mathbb{A}}$ 41'45		conjunction	-11076 Mar 25 j 18:09	13° \mathbb{Z} 51'00	-2°20'48
evening set	-11083 Dec 07 j 12:19	15° $\underline{\mathbb{A}}$ 05'26		minimum elong	-11076 Mar 25 j 18:11	13° \mathbb{Z} 51'01	2°21'25
				max. Earth dist.	-11076 Mar 26 j 17:01	13° \mathbb{Z} 58'09	10.37252 AU
conjunction	-11083 Dec 25 j 13:07	17° $\underline{\mathbb{A}}$ 30'17	-0°48'53	morning rise	-11076 Apr 12 j 11:25	16° \mathbb{Z} 02'51	
minimum elong	-11083 Dec 25 j 13:04	17° $\underline{\mathbb{A}}$ 30'16	0°49'02	retrograde	-11076 Jul 22 j 18:27	23° \mathbb{Z} 39'29	
max. Earth dist.	-11083 Dec 26 j 09:16	17° $\underline{\mathbb{A}}$ 37'04	9.78399 AU	opposition	-11076 Sep 27 j 19:18	20° \mathbb{Z} 15'19	-2°47'48
morning rise	-11082 Jan 12 j 18:15	19° $\underline{\mathbb{A}}$ 56'31		min. Earth dist.	-11076 Sep 27 j 03:18	20° \mathbb{Z} 18'31	8.45718 AU
retrograde	-11082 Apr 30 j 22:20	28° $\underline{\mathbb{A}}$ 42'44		direct	-11076 Dec 05 j 18:59	16° \mathbb{Z} 47'02	
min. Earth dist.	-11082 Jul 06 j 08:11	25° $\underline{\mathbb{A}}$ 13'33	7.78348 AU	evening set	-11075 Mar 21 j 16:44	24° \mathbb{Z} 35'01	
opposition	-11082 Jul 07 j 01:45	25° $\underline{\mathbb{A}}$ 09'52	-1°23'50				
direct	-11082 Sep 10 j 13:54	21° $\underline{\mathbb{A}}$ 41'15		conjunction	-11075 Apr 08 j 10:34	26° \mathbb{Z} 44'43	-2°08'36
	-11082 Dec 22 j 08:10	0° \mathbb{M}		minimum elong	-11075 Apr 08 j 10:37	26° \mathbb{Z} 44'43	2°09'11
evening set	-11082 Dec 23 j 09:17	0° \mathbb{M} 08'15		max. Earth dist.	-11075 Apr 09 j 04:21	26° \mathbb{Z} 50'10	10.54066 AU
				morning rise	-11075 Apr 26 j 00:07	28° \mathbb{Z} 53'00	
conjunction	-11081 Jan 10 j 12:40	2° \mathbb{M} 33'29	-1°22'44		-11075 May 05 j 10:49	0° \mathbb{Z}	
minimum elong	-11081 Jan 10 j 12:35	2° \mathbb{M} 33'28	1°23'02	retrograde	-11075 Aug 04 j 05:17	6° \mathbb{Z} 15'32	
max. Earth dist.	-11081 Jan 11 j 14:33	2° \mathbb{M} 42'11	9.79284 AU	opposition	-11075 Oct 10 j 13:14	2° \mathbb{Z} 53'26	-2°28'29
morning rise	-11081 Jan 28 j 19:01	4° \mathbb{M} 59'38		min. Earth dist.	-11075 Oct 10 j 00:30	2° \mathbb{Z} 55'57	8.62437 AU
retrograde	-11081 May 16 j 04:09	13° \mathbb{M} 41'17			-11075 Nov 23 j 06:24	30° \mathbb{R} \mathbb{Z}	
min. Earth dist.	-11081 Jul 21 j 03:08	10° \mathbb{M} 13'15	7.81496 AU	direct	-11075 Dec 19 j 06:16	29° \mathbb{Z} 26'17	
opposition	-11081 Jul 22 j 00:14	10° \mathbb{M} 08'49	-2°02'53		-11074 Jan 14 j 05:26	0° \mathbb{Z}	
direct	-11081 Sep 25 j 17:47	6° \mathbb{M} 39'26		evening set	-11074 Apr 03 j 22:08	7° \mathbb{Z} 03'18	
	-11080 Jan 07 j 11:33	15° \mathbb{M}					
evening set	-11080 Jan 08 j 07:39	15° \mathbb{M} 06'33		conjunction	-11074 Apr 21 j 12:59	9° \mathbb{Z} 09'50	-1°50'39
				minimum elong	-11074 Apr 21 j 13:03	9° \mathbb{Z} 09'51	1°51'10
conjunction	-11080 Jan 26 j 11:54	17° \mathbb{M} 30'54	-1°50'49	max. Earth dist.	-11074 Apr 22 j 01:54	9° \mathbb{Z} 13'44	10.70582 AU
minimum elong	-11080 Jan 26 j 11:49	17° \mathbb{M} 30'52	1°51'14	morning rise	-11074 May 08 j 22:50	11° \mathbb{Z} 14'51	
max. Earth dist.	-11080 Jan 27 j 17:39	17° \mathbb{M} 40'49	9.84532 AU		-11074 Jun 12 j 10:57	15° \mathbb{Z}	
morning rise	-11080 Feb 13 j 17:34	19° \mathbb{M} 55'37		retrograde	-11074 Aug 16 j 06:06	18° \mathbb{Z} 24'46	
retrograde	-11080 May 30 j 01:59	28° \mathbb{M} 28'34		opposition	-11074 Oct 22 j 22:40	15° \mathbb{Z} 04'39	-2°03'07
opposition	-11080 Aug 04 j 17:11	24° \mathbb{M} 57'03	-2°33'10	min. Earth dist.	-11074 Oct 22 j 14:09	15° \mathbb{Z} 06'19	8.78475 AU
min. Earth dist.	-11080 Aug 03 j 18:07	25° \mathbb{M} 01'54	7.88818 AU		-11074 Oct 23 j 22:37	15° \mathbb{R} \mathbb{Z}	
direct	-11080 Oct 09 j 20:27	21° \mathbb{M} 27'13		direct	-11073 Jan 01 j 07:28	11° \mathbb{Z} 38'46	
evening set	-11079 Jan 23 j 02:13	29° \mathbb{M} 51'07			-11073 Mar 09 j 01:37	15° \mathbb{Z}	
	-11079 Jan 24 j 05:44	0° \mathbb{X}		evening set	-11073 Apr 16 j 14:50	19° \mathbb{Z} 05'26	
conjunction	-11079 Feb 10 j 05:49	2° \mathbb{X} 13'29	-2°11'13	conjunction	-11073 May 04 j 02:27	21° \mathbb{Z} 09'02	-1°28'19
minimum elong	-11079 Feb 10 j 05:45	2° \mathbb{X} 13'27	2°11'45	minimum elong	-11073 May 04 j 02:31	21° \mathbb{Z} 09'03	1°28'44
max. Earth dist.	-11079 Feb 11 j 13:13	2° \mathbb{X} 23'48	9.93719 AU	max. Earth dist.	-11073 May 04 j 10:00	21° \mathbb{Z} 11'17	10.86053 AU
morning rise	-11079 Feb 28 j 09:20	4° \mathbb{X} 35'43		morning rise	-11073 May 21 j 08:39	23° \mathbb{Z} 11'05	
retrograde	-11079 Jun 13 j 13:21	12° \mathbb{X} 56'43			-11073 Aug 13 j 22:09	0° \mathbb{X}	
min. Earth dist.	-11079 Aug 18 j 03:10	9° \mathbb{X} 31'26	7.99740 AU	retrograde	-11073 Aug 27 j 23:00	0° \mathbb{X} 10'19	
opposition	-11079 Aug 19 j 02:17	9° \mathbb{X} 26'36	-2°52'52		-11073 Sep 11 j 00:30	30° \mathbb{R} \mathbb{Z}	
direct	-11079 Oct 24 j 18:40	5° \mathbb{X} 56'39		opposition	-11073 Nov 04 j 00:48	26° \mathbb{Z} 52'00	-1°33'22
evening set	-11078 Feb 07 j 12:43	14° \mathbb{X} 14'20		min. Earth dist.	-11073 Nov 03 j 21:28	26° \mathbb{Z} 52'39	8.93165 AU
				direct	-11072 Jan 13 j 23:32	23° \mathbb{Z} 27'27	
conjunction	-11078 Feb 25 j 14:38	16° \mathbb{X} 33'57	-2°22'58		-11072 Apr 21 j 06:19	0° \mathbb{X}	
minimum elong	-11078 Feb 25 j 14:36	16° \mathbb{X} 33'56	2°23'33	evening set	-11072 Apr 27 j 20:15	0° \mathbb{X} 44'47	
max. Earth dist.	-11078 Feb 26 j 21:09	16° \mathbb{X} 43'50	10.06158 AU				
morning rise	-11078 Mar 15 j 15:06	18° \mathbb{X} 53'00		conjunction	-11072 May 15 j 04:23	2° \mathbb{X} 45'46	-1°02'54
retrograde	-11078 Jun 27 j 12:56	26° \mathbb{X} 59'50		minimum elong	-11072 May 15 j 04:26	2° \mathbb{X} 45'47	1°03'13
min. Earth dist.	-11078 Sep 01 j 04:24	23° \mathbb{X} 35'58	8.13474 AU	max. Earth dist.	-11072 May 15 j 05:35	2° \mathbb{X} 46'07	10.99871 AU

Attention, astronomical year style is used: The year -11072 in astronomical counting style is the year 11073 BCE in historical counting style.

morning rise	-11072 Jun 01 j 07:11	4° H 45'13		minimum elong	-11066 Jul 19 j 20:53	8° B 18'13	1°36'05
retrograde	-11072 Sep 07 j 08:53	11° H 35'52		max. Earth dist.	-11066 Jul 18 j 19:59	8° B 11'02	11.26641 AU
opposition	-11072 Nov 14 j 20:59	8° H 19'05	-1°00'46	morning rise	-11066 Aug 05 j 06:44	10° B 11'00	
min. Earth dist.	-11072 Nov 14 j 22:31	8° H 18'48	9.05960 AU		-11066 Sep 23 j 17:14	15° B	
direct	-11071 Jan 25 j 06:40	4° H 55'52		retrograde	-11066 Nov 12 j 14:16	16° B 56'37	
evening set	-11071 May 09 j 15:52	12° H 05'09			-11065 Jan 03 j 12:27	15° R B	
				opposition	-11065 Jan 22 j 02:26	13° B 41'19	2°08'52
conjunction	-11071 May 26 j 20:27	14° H 03'51	-0°35'35	min. Earth dist.	-11065 Jan 23 j 01:06	13° B 37'12	9.23905 AU
minimum elong	-11071 May 26 j 20:29	14° H 03'52	0°35'47	direct	-11065 Apr 03 j 22:11	10° B 22'45	
max. Earth dist.	-11071 May 26 j 15:30	14° H 02'25	11.11535 AU		-11065 Jun 23 j 06:29	15° B	
morning rise	-11071 Jun 12 j 20:01	16° H 01'08		evening set	-11065 Jul 14 j 08:09	17° B 17'31	
retrograde	-11071 Sep 18 j 13:52	22° H 45'27					
opposition	-11071 Nov 26 j 12:31	19° H 29'50	-0°26'41	conjunction	-11065 Jul 30 j 18:09	19° B 11'10	1°55'17
min. Earth dist.	-11071 Nov 26 j 18:04	19° H 28'48	9.16391 AU	minimum elong	-11065 Jul 30 j 18:06	19° B 11'10	1°55'42
direct	-11070 Feb 06 j 08:26	16° H 07'51		max. Earth dist.	-11065 Jul 29 j 15:02	19° B 03'17	11.20152 AU
evening set	-11070 May 21 j 03:43	23° H 10'36		morning rise	-11065 Aug 16 j 02:37	21° B 04'33	
				retrograde	-11065 Nov 24 j 05:15	27° B 56'52	
conjunction	-11070 Jun 07 j 04:51	25° H 07'24	-0°07'28	opposition	-11064 Feb 02 j 22:11	24° B 40'33	2°30'38
minimum elong	-11070 Jun 07 j 04:51	25° H 07'24	0°07'34	min. Earth dist.	-11064 Feb 03 j 22:42	24° B 36'04	9.15947 AU
behind sun begin	-11070 Jun 06 j 22:27	25° H 05'35		direct	-11064 Apr 14 j 07:07	21° B 21'57	
behind sun end	-11070 Jun 07 j 11:14	25° H 09'12		evening set	-11064 Jul 24 j 10:34	28° B 20'11	
max. Earth dist.	-11070 Jun 06 j 19:16	25° H 04'39	11.20631 AU		-11064 Aug 07 j 17:01	0° II	
morning rise	-11070 Jun 24 j 01:04	27° H 02'51					
	-11070 Jul 21 j 23:29	0° Y		conjunction	-11064 Aug 09 j 19:02	0° II 14'42	2°10'49
asc. node	-11070 Sep 14 j 20:47	3° Y 31'56		minimum elong	-11064 Aug 09 j 18:59	0° II 14'41	2°11'19
retrograde	-11070 Sep 29 j 17:59	3° Y 43'03		max. Earth dist.	-11064 Aug 08 j 14:04	0° II 06'11	11.10761 AU
opposition	-11070 Dec 08 j 00:59	0° Y 28'16	0°07'43	morning rise	-11064 Aug 26 j 03:11	2° II 09'14	
min. Earth dist.	-11070 Dec 08 j 10:27	0° Y 26'32	9.24102 AU	retrograde	-11064 Dec 05 j 04:16	9° II 10'09	
	-11070 Dec 14 j 11:01	30° R H		opposition	-11063 Feb 13 j 23:26	5° II 52'28	2°47'13
direct	-11069 Feb 18 j 02:25	27° H 07'25		min. Earth dist.	-11063 Feb 15 j 01:00	5° II 47'46	9.05239 AU
	-11069 Apr 21 j 21:23	0° Y		direct	-11063 Apr 25 j 22:17	2° II 33'35	
evening set	-11069 Jun 01 j 09:38	4° Y 05'11		evening set	-11063 Aug 04 j 17:24	9° II 36'48	
				max. Earth dist.	-11063 Aug 19 j 20:48	11° II 24'13	10.98812 AU
conjunction	-11069 Jun 18 j 07:14	6° Y 00'28	0°20'38				
minimum elong	-11069 Jun 18 j 07:13	6° Y 00'28	0°20'39	conjunction	-11063 Aug 21 j 01:26	11° II 32'45	2°21'38
max. Earth dist.	-11069 Jun 17 j 17:30	5° Y 56'33	11.26858 AU	minimum elong	-11063 Aug 21 j 01:24	11° II 32'45	2°22'12
morning rise	-11069 Jul 05 j 00:15	7° Y 54'34		morning rise	-11063 Sep 06 j 10:09	13° II 29'01	
retrograde	-11069 Oct 10 j 19:48	14° Y 32'51		retrograde	-11063 Dec 17 j 12:29	20° II 40'18	
opposition	-11069 Dec 19 j 12:10	11° Y 18'31	0°41'24	opposition	-11062 Feb 26 j 07:40	17° II 20'56	2°57'41
min. Earth dist.	-11069 Dec 20 j 02:12	11° Y 15'57	9.28849 AU	min. Earth dist.	-11062 Feb 27 j 08:15	17° II 16'23	8.92154 AU
direct	-11068 Feb 29 j 15:32	7° Y 58'34		direct	-11062 May 07 j 17:11	14° II 01'34	
evening set	-11068 Jun 11 j 11:12	14° Y 53'01		evening set	-11062 Aug 16 j 06:21	21° II 11'08	
max. Earth dist.	-11068 Jun 27 j 10:28	16° Y 41'48	11.30015 AU				
				conjunction	-11062 Sep 01 j 15:08	23° II 09'07	2°26'59
conjunction	-11068 Jun 28 j 05:15	16° Y 47'10	0°47'41	minimum elong	-11062 Sep 01 j 15:08	23° II 09'07	2°27'36
minimum elong	-11068 Jun 28 j 05:13	16° Y 47'10	0°47'49	max. Earth dist.	-11062 Aug 31 j 12:34	23° II 01'04	10.84722 AU
morning rise	-11068 Jul 14 j 19:32	18° Y 40'21		morning rise	-11062 Sep 18 j 01:24	25° II 07'42	
retrograde	-11068 Oct 20 j 22:17	25° Y 18'54			-11062 Nov 03 j 16:07	0° B	
opposition	-11068 Dec 29 j 23:09	22° Y 04'38	1°13'23	retrograde	-11062 Dec 30 j 06:59	2° B 30'54	
min. Earth dist.	-11068 Dec 30 j 17:15	22° Y 01'21	9.30456 AU		-11061 Feb 27 j 16:33	30° R II	
direct	-11067 Mar 12 j 02:45	18° Y 45'21		opposition	-11061 Mar 10 j 23:58	29° II 09'38	3°01'08
evening set	-11067 Jun 22 j 10:22	25° Y 38'11		min. Earth dist.	-11061 Mar 11 j 22:10	29° II 05'28	8.77172 AU
max. Earth dist.	-11067 Jul 08 j 02:22	27° Y 25'07	11.29964 AU	direct	-11061 May 19 j 18:19	25° II 49'34	
					-11061 Jul 31 j 16:03	0° B	
conjunction	-11067 Jul 09 j 01:13	27° Y 31'40	1°12'58	evening set	-11061 Aug 28 j 03:27	3° B 06'46	
minimum elong	-11067 Jul 09 j 01:10	27° Y 31'40	1°13'13				
morning rise	-11067 Jul 25 j 13:07	29° Y 24'24		conjunction	-11061 Sep 13 j 14:08	5° B 07'22	2°26'12
	-11067 Jul 30 j 21:01	0° B		minimum elong	-11061 Sep 13 j 14:09	5° B 07'22	2°26'50
retrograde	-11067 Nov 01 j 02:53	6° B 05'24		max. Earth dist.	-11061 Sep 12 j 13:53	4° B 59'54	10.69035 AU
opposition	-11066 Jan 10 j 11:13	2° B 50'46	1°42'50	morning rise	-11061 Sep 30 j 03:19	7° B 08'52	
min. Earth dist.	-11066 Jan 11 j 08:01	2° B 47'00	9.28805 AU	retrograde	-11060 Jan 12 j 13:45	14° B 45'11	
	-11066 Feb 26 j 18:08	30° R Y		opposition	-11060 Mar 23 j 01:05	11° B 21'53	2°56'41
direct	-11066 Mar 23 j 12:28	29° Y 31'57		min. Earth dist.	-11060 Mar 23 j 20:21	11° B 18'12	8.60889 AU
	-11066 Apr 16 j 23:23	0° B		direct	-11060 May 31 j 02:05	8° B 00'57	
evening set	-11066 Jul 03 j 08:44	6° B 24'55		evening set	-11060 Sep 08 j 10:17	15° B 26'54	
				max. Earth dist.	-11060 Sep 24 j 02:36	17° B 23'55	10.52398 AU
conjunction	-11066 Jul 19 j 20:56	8° B 18'13	1°35'45				

Attention, astronomical year style is used: The year -11060 in astronomical counting style is the year 11061 BCE in historical counting style.

conjunction	-11060 Sep 25 j 00:05	17° $\mathring{\text{O}}$ 30'39	2°18'43	minimum elong	-11054 Dec 19 j 03:55	11° $\mathring{\text{A}}$ 19'47	0°33'12
minimum elong	-11060 Sep 25 j 00:08	17° $\mathring{\text{O}}$ 30'40	2°19'19	max. Earth dist.	-11054 Dec 19 j 22:49	11° $\mathring{\text{A}}$ 26'08	9.78481 AU
morning rise	-11060 Oct 11 j 17:37	19° $\mathring{\text{O}}$ 35'40		morning rise	-11053 Jan 06 j 07:54	13° $\mathring{\text{A}}$ 45'44	
retrograde	-11059 Jan 25 j 07:05	27° $\mathring{\text{O}}$ 25'51		retrograde	-11053 Apr 24 j 18:22	22° $\mathring{\text{A}}$ 32'51	
opposition	-11059 Apr 05 j 11:42	24° $\mathring{\text{O}}$ 00'28	2°43'39	min. Earth dist.	-11053 Jun 30 j 08:26	19° $\mathring{\text{A}}$ 03'11	7.77658 AU
min. Earth dist.	-11059 Apr 06 j 03:42	23° $\mathring{\text{O}}$ 57'22	8.44003 AU	opposition	-11053 Jul 01 j 01:27	18° $\mathring{\text{A}}$ 59'36	-1°05'00
direct	-11059 Jun 12 j 18:16	20° $\mathring{\text{O}}$ 38'31		direct	-11053 Sep 04 j 11:40	15° $\mathring{\text{A}}$ 31'10	
evening set	-11059 Sep 21 j 04:21	28° $\mathring{\text{O}}$ 14'08		evening set	-11053 Dec 16 j 23:49	23° $\mathring{\text{A}}$ 57'19	
	-11059 Oct 05 j 03:08	0° $\mathring{\text{O}}$					
conjunction	-11059 Oct 07 j 22:35	0° $\mathring{\text{O}}$ 21'31	2°04'11	conjunction	-11052 Jan 04 j 02:10	26° $\mathring{\text{A}}$ 22'36	-1°08'44
minimum elong	-11059 Oct 07 j 22:39	0° $\mathring{\text{O}}$ 21'32	2°04'44	minimum elong	-11052 Jan 04 j 02:07	26° $\mathring{\text{A}}$ 22'35	1°08'58
max. Earth dist.	-11059 Oct 07 j 05:52	0° $\mathring{\text{O}}$ 16'11	10.35550 AU	max. Earth dist.	-11052 Jan 05 j 02:45	26° $\mathring{\text{A}}$ 30'53	9.77864 AU
morning rise	-11059 Oct 24 j 21:31	2° $\mathring{\text{O}}$ 30'27		morning rise	-11052 Jan 22 j 08:16	28° $\mathring{\text{A}}$ 49'01	
retrograde	-11058 Feb 08 j 11:09	10° $\mathring{\text{O}}$ 34'45			-11052 Jan 31 j 10:38	0° $\mathring{\text{M}}$	
opposition	-11058 Apr 19 j 07:52	7° $\mathring{\text{O}}$ 07'18	2°21'41	retrograde	-11052 May 09 j 03:29	7° $\mathring{\text{M}}$ 33'21	
min. Earth dist.	-11058 Apr 19 j 19:23	7° $\mathring{\text{O}}$ 05'02	8.27319 AU	min. Earth dist.	-11052 Jul 14 j 05:23	4° $\mathring{\text{M}}$ 04'48	7.79328 AU
direct	-11058 Jun 25 j 21:43	3° $\mathring{\text{O}}$ 44'15		opposition	-11052 Jul 15 j 01:44	4° $\mathring{\text{M}}$ 00'31	-1°47'01
evening set	-11058 Oct 04 j 11:06	11° $\mathring{\text{O}}$ 30'03		direct	-11052 Sep 18 j 15:17	0° $\mathring{\text{M}}$ 31'23	
				evening set	-11052 Dec 31 j 22:16	8° $\mathring{\text{M}}$ 58'57	
conjunction	-11058 Oct 21 j 10:59	13° $\mathring{\text{O}}$ 41'25	1°42'37	conjunction	-11051 Jan 19 j 02:07	11° $\mathring{\text{M}}$ 23'50	-1°39'35
minimum elong	-11058 Oct 21 j 11:03	13° $\mathring{\text{O}}$ 41'26	1°43'05	minimum elong	-11051 Jan 19 j 02:03	11° $\mathring{\text{M}}$ 23'48	1°39'58
max. Earth dist.	-11058 Oct 21 j 00:40	13° $\mathring{\text{O}}$ 38'04	10.19337 AU	max. Earth dist.	-11051 Jan 20 j 06:51	11° $\mathring{\text{M}}$ 33'26	9.81697 AU
	-11058 Oct 31 j 13:44	15° $\mathring{\text{O}}$		morning rise	-11051 Feb 06 j 08:23	13° $\mathring{\text{M}}$ 49'20	
morning rise	-11058 Nov 07 j 16:09	15° $\mathring{\text{O}}$ 54'32			-11051 Feb 15 j 11:12	15° $\mathring{\text{M}}$	
retrograde	-11057 Feb 23 j 03:03	24° $\mathring{\text{O}}$ 12'22		retrograde	-11051 May 24 j 05:14	22° $\mathring{\text{M}}$ 26'33	
opposition	-11057 May 03 j 13:17	20° $\mathring{\text{O}}$ 43'01	1°51'01	opposition	-11051 Jul 29 j 21:38	18° $\mathring{\text{M}}$ 54'39	-2°21'21
min. Earth dist.	-11057 May 03 j 19:06	20° $\mathring{\text{O}}$ 41'51	8.11727 AU	min. Earth dist.	-11051 Jul 28 j 23:07	18° $\mathring{\text{M}}$ 59'23	7.85347 AU
direct	-11057 Jul 09 j 11:27	17° $\mathring{\text{O}}$ 18'50		direct	-11051 Oct 03 j 19:23	15° $\mathring{\text{M}}$ 25'07	
evening set	-11057 Oct 18 j 07:33	25° $\mathring{\text{O}}$ 14'53		evening set	-11050 Jan 16 j 19:02	23° $\mathring{\text{M}}$ 50'46	
conjunction	-11057 Nov 04 j 13:47	27° $\mathring{\text{O}}$ 30'18	1°14'34	conjunction	-11050 Feb 03 j 22:54	26° $\mathring{\text{M}}$ 14'02	-2°03'28
minimum elong	-11057 Nov 04 j 13:51	27° $\mathring{\text{O}}$ 30'19	1°14'55	minimum elong	-11050 Feb 03 j 22:49	26° $\mathring{\text{M}}$ 14'01	2°03'57
max. Earth dist.	-11057 Nov 04 j 10:51	27° $\mathring{\text{O}}$ 29'20	10.04658 AU	max. Earth dist.	-11050 Feb 05 j 05:55	26° $\mathring{\text{M}}$ 24'18	9.89709 AU
morning rise	-11057 Nov 22 j 01:36	29° $\mathring{\text{O}}$ 47'36		morning rise	-11050 Feb 22 j 03:39	28° $\mathring{\text{M}}$ 37'27	
	-11057 Nov 23 j 16:11	0° $\mathring{\text{M}}$			-11050 Mar 04 j 22:53	0° $\mathring{\text{X}}$	
retrograde	-11056 Mar 09 j 05:34	8° $\mathring{\text{M}}$ 17'27		retrograde	-11050 Jun 07 j 21:05	7° $\mathring{\text{X}}$ 03'52	
opposition	-11056 May 17 j 02:54	4° $\mathring{\text{M}}$ 46'27	1°12'37	min. Earth dist.	-11050 Aug 12 j 10:55	3° $\mathring{\text{X}}$ 38'19	7.95260 AU
min. Earth dist.	-11056 May 17 j 02:22	4° $\mathring{\text{M}}$ 46'34	7.98142 AU	opposition	-11050 Aug 13 j 10:31	3° $\mathring{\text{X}}$ 33'23	-2°45'43
direct	-11056 Jul 22 j 10:04	1° $\mathring{\text{M}}$ 21'06		direct	-11050 Oct 18 j 20:53	0° $\mathring{\text{X}}$ 03'46	
evening set	-11056 Oct 31 j 18:06	9° $\mathring{\text{M}}$ 27'01		evening set	-11049 Feb 01 j 09:45	8° $\mathring{\text{X}}$ 24'18	
conjunction	-11056 Nov 18 j 06:42	11° $\mathring{\text{M}}$ 46'11	0°41'13	conjunction	-11049 Feb 19 j 12:25	10° $\mathring{\text{X}}$ 45'05	-2°18'58
minimum elong	-11056 Nov 18 j 06:44	11° $\mathring{\text{M}}$ 46'12	0°41'27	minimum elong	-11049 Feb 19 j 12:23	10° $\mathring{\text{X}}$ 45'04	2°19'32
max. Earth dist.	-11056 Nov 18 j 11:19	11° $\mathring{\text{M}}$ 47'44	9.92417 AU	max. Earth dist.	-11049 Feb 20 j 19:46	10° $\mathring{\text{X}}$ 55'18	10.01301 AU
morning rise	-11056 Dec 06 j 00:56	14° $\mathring{\text{M}}$ 07'16		morning rise	-11049 Mar 09 j 14:26	13° $\mathring{\text{X}}$ 05'30	
retrograde	-11055 Mar 24 j 15:09	22° $\mathring{\text{M}}$ 46'36		retrograde	-11049 Jun 27 j 01:11	21° $\mathring{\text{X}}$ 18'24	
opposition	-11055 May 31 j 23:00	19° $\mathring{\text{M}}$ 14'21	0°28'28	opposition	-11049 Aug 22 j 14:25	17° $\mathring{\text{X}}$ 49'43	-2°59'00
min. Earth dist.	-11055 May 31 j 16:06	19° $\mathring{\text{M}}$ 15'46	7.87454 AU	min. Earth dist.	-11049 Aug 26 j 14:59	17° $\mathring{\text{X}}$ 54'34	8.08333 AU
direct	-11055 Aug 05 j 18:24	15° $\mathring{\text{M}}$ 47'52		direct	-11049 Nov 02 j 16:48	14° $\mathring{\text{X}}$ 20'21	
evening set	-11055 Nov 15 j 17:51	24° $\mathring{\text{M}}$ 02'34		evening set	-11048 Feb 16 j 14:17	22° $\mathring{\text{X}}$ 33'03	
conjunction	-11055 Dec 03 j 12:16	26° $\mathring{\text{M}}$ 24'51	0°04'33	conjunction	-11048 Mar 05 j 14:54	24° $\mathring{\text{X}}$ 50'45	-2°25'39
minimum elong	-11055 Dec 03 j 12:17	26° $\mathring{\text{M}}$ 24'51	0°04'38	minimum elong	-11048 Mar 05 j 14:53	24° $\mathring{\text{X}}$ 50'44	2°26'16
behind sun begin	-11055 Dec 03 j 05:07	26° $\mathring{\text{M}}$ 22'29		max. Earth dist.	-11048 Mar 06 j 20:46	25° $\mathring{\text{X}}$ 00'19	10.15636 AU
behind sun end	-11055 Dec 03 j 19:26	26° $\mathring{\text{M}}$ 27'14		morning rise	-11048 Mar 23 j 13:24	27° $\mathring{\text{X}}$ 07'40	
max. Earth dist.	-11055 Dec 04 j 00:16	26° $\mathring{\text{M}}$ 28'52	9.83466 AU		-11048 Apr 16 j 12:40	0° $\mathring{\text{Z}}$	
morning rise	-11055 Dec 21 j 12:06	28° $\mathring{\text{M}}$ 48'56		retrograde	-11048 Jul 04 j 16:32	5° $\mathring{\text{Z}}$ 05'33	
	-11055 Dec 30 j 15:13	0° $\mathring{\text{A}}$		min. Earth dist.	-11048 Sep 08 j 10:47	1° $\mathring{\text{Z}}$ 43'20	8.23652 AU
desc. node	-11054 Jan 18 j 04:00	2° $\mathring{\text{A}}$ 16'03		opposition	-11048 Sep 09 j 08:32	1° $\mathring{\text{Z}}$ 38'53	-3°01'19
retrograde	-11054 Apr 09 j 04:47	7° $\mathring{\text{A}}$ 34'16			-11048 Sep 30 j 09:30	30° $\mathring{\text{R}}$ $\mathring{\text{X}}$	
opposition	-11054 Jun 15 j 23:29	4° $\mathring{\text{A}}$ 01'15	-0°18'36	direct	-11048 Nov 16 j 04:51	28° $\mathring{\text{X}}$ 10'04	
min. Earth dist.	-11054 Jun 15 j 10:59	4° $\mathring{\text{A}}$ 03'51	7.80446 AU		-11047 Jan 01 j 13:38	0° $\mathring{\text{Z}}$	
direct	-11054 Aug 20 j 11:33	0° $\mathring{\text{A}}$ 33'43		evening set	-11047 Mar 02 j 05:43	6° $\mathring{\text{Z}}$ 12'57	
evening set	-11054 Dec 01 j 04:47	8° $\mathring{\text{A}}$ 55'23					
conjunction	-11054 Dec 19 j 03:57	11° $\mathring{\text{A}}$ 19'47	-0°33'08	conjunction	-11047 Mar 20 j 03:47	8° $\mathring{\text{Z}}$ 27'16	-2°23'52
				minimum elong	-11047 Mar 20 j 03:48	8° $\mathring{\text{Z}}$ 27'17	2°24'29

Attention, astronomical year style is used: The year -11047 in astronomical counting style is the year 11048 BCE in historical counting style.

max. Earth dist.	-11047 Mar 21 j 06:21	8° S 35'38	10.31735 AU	retrograde	-11041 Sep 25 j 10:22	29° H 19'30	
morning rise	-11047 Apr 06 j 22:30	10° S 40'29		opposition	-11041 Dec 03 j 13:39	26° H 04'20	-0°06'57
retrograde	-11047 Jul 17 j 19:35	18° S 23'04		min. Earth dist.	-11041 Dec 03 j 23:21	26° H 02'32	9.20818 AU
opposition	-11047 Sep 22 j 16:23	14° S 58'31	-2°53'37	direct	-11040 Feb 13 j 12:15	22° H 42'49	
min. Earth dist.	-11047 Sep 21 j 22:01	15° S 02'14	8.40203 AU	asc. node	-11040 Feb 17 j 01:55	22° H 43'25	
direct	-11047 Nov 30 j 06:34	11° S 30'28		evening set	-11040 May 27 j 01:35	29° H 42'34	
evening set	-11046 Mar 16 j 07:12	19° S 22'32			-11040 May 29 j 15:34	0° Y	
				max. Earth dist.	-11040 Jun 12 j 10:28	1° Y 34'27	11.23995 AU
conjunction	-11046 Apr 03 j 02:23	21° S 33'29	-2°14'31				
minimum elong	-11046 Apr 03 j 02:26	21° S 33'30	2°15'07	conjunction	-11040 Jun 13 j 00:38	1° Y 38'30	0°08'44
max. Earth dist.	-11046 Apr 03 j 23:43	21° S 40'04	10.48559 AU	minimum elong	-11040 Jun 13 j 00:37	1° Y 38'30	0°08'42
morning rise	-11046 Apr 20 j 17:21	23° S 43'05		behind sun begin	-11040 Jun 12 j 18:32	1° Y 36'46	
	-11046 Jun 23 j 19:55	0° \approx		behind sun end	-11040 Jun 13 j 06:43	1° Y 40'13	
retrograde	-11046 Jul 30 j 11:06	1° \approx 11'00		morning rise	-11040 Jun 29 j 19:11	3° Y 33'11	
	-11046 Sep 05 j 12:14	30° R 3		retrograde	-11040 Oct 05 j 11:07	10° Y 12'04	
opposition	-11046 Oct 05 j 14:13	27° S 48'36	-2°37'26	opposition	-11040 Dec 14 j 00:54	6° Y 57'18	0°27'07
min. Earth dist.	-11046 Oct 05 j 00:40	27° S 51'17	8.56986 AU	min. Earth dist.	-11040 Dec 14 j 14:11	6° Y 54'52	9.26428 AU
direct	-11046 Dec 13 j 22:02	24° S 21'31		direct	-11039 Feb 24 j 04:48	3° Y 36'37	
	-11045 Mar 12 j 00:20	0° \approx		evening set	-11039 Jun 07 j 04:28	10° Y 32'26	
evening set	-11045 Mar 29 j 18:41	2° \approx 02'42		max. Earth dist.	-11039 Jun 23 j 06:28	12° Y 22'02	11.28088 AU
conjunction	-11045 Apr 16 j 10:44	4° \approx 10'24	-1°58'51	conjunction	-11039 Jun 24 j 00:09	12° Y 27'05	0°36'15
minimum elong	-11045 Apr 16 j 10:47	4° \approx 10'25	1°59'24	minimum elong	-11039 Jun 24 j 00:08	12° Y 27'05	0°36'20
max. Earth dist.	-11045 Apr 17 j 01:14	4° \approx 14'48	10.65172 AU	morning rise	-11039 Jul 10 j 15:44	14° Y 20'41	
morning rise	-11045 May 03 j 22:06	6° \approx 16'38		retrograde	-11039 Oct 16 j 14:53	20° Y 58'59	
retrograde	-11045 Aug 11 j 14:41	13° \approx 31'21		opposition	-11039 Dec 25 j 11:24	17° Y 44'18	0°59'56
opposition	-11045 Oct 18 j 03:12	10° \approx 10'58	-2°14'27	min. Earth dist.	-11039 Dec 26 j 03:44	17° Y 41'19	9.29031 AU
min. Earth dist.	-11045 Oct 17 j 18:17	10° \approx 12'43	8.73182 AU	direct	-11038 Mar 07 j 17:23	14° Y 24'18	
direct	-11045 Dec 27 j 04:37	6° \approx 45'02		evening set	-11038 Jun 18 j 04:13	21° Y 17'48	
evening set	-11044 Apr 10 j 16:41	14° \approx 15'42					
	-11044 Apr 16 j 23:25	15° \approx		conjunction	-11038 Jul 04 j 20:38	23° Y 11'39	1°02'22
conjunction	-11044 Apr 28 j 05:32	16° \approx 20'24	-1°38'14	minimum elong	-11038 Jul 04 j 20:35	23° Y 11'38	1°02'35
minimum elong	-11044 Apr 28 j 05:35	16° \approx 20'25	1°38'42	max. Earth dist.	-11038 Jul 03 j 23:45	23° Y 05'40	11.29120 AU
max. Earth dist.	-11044 Apr 28 j 13:28	16° \approx 22'46	10.80865 AU	morning rise	-11038 Jul 21 j 09:26	25° Y 04'36	
morning rise	-11044 May 15 j 13:24	18° \approx 23'35			-11038 Sep 10 j 19:46	0° S	
retrograde	-11044 Aug 22 j 10:20	25° \approx 26'56		retrograde	-11038 Oct 27 j 17:36	1° S 44'27	
opposition	-11044 Oct 29 j 08:16	22° \approx 08'18	-1°46'24		-11038 Dec 15 j 09:40	30° R Y	
min. Earth dist.	-11044 Oct 29 j 03:29	22° \approx 09'14	8.88160 AU	opposition	-11037 Jan 05 j 22:47	28° Y 29'33	1°30'34
direct	-11043 Jan 08 j 01:55	18° \approx 43'34		min. Earth dist.	-11037 Jan 06 j 18:30	28° Y 25'57	9.28563 AU
evening set	-11043 Apr 23 j 02:44	26° \approx 04'33		direct	-11037 Mar 19 j 01:02	25° Y 10'02	
conjunction	-11043 May 10 j 12:23	28° \approx 06'33	-1°14'00		-11037 Jun 10 j 04:16	0° S	
minimum elong	-11043 May 10 j 12:26	28° \approx 06'34	1°14'22	evening set	-11037 Jun 29 j 02:37	2° S 02'58	
max. Earth dist.	-11043 May 10 j 14:45	28° \approx 07'15	10.95053 AU	conjunction	-11037 Jul 15 j 15:56	3° S 56'24	1°26'19
	-11043 May 26 j 16:25	0° H		minimum elong	-11037 Jul 15 j 15:53	3° S 56'23	1°26'38
morning rise	-11043 May 27 j 16:44	0° H 07'00		max. Earth dist.	-11037 Jul 14 j 15:23	3° S 49'21	11.27087 AU
retrograde	-11043 Sep 02 j 23:35	7° H 00'58		morning rise	-11037 Aug 01 j 02:38	5° S 49'12	
opposition	-11043 Nov 10 j 06:37	3° H 43'49	-1°14'53	retrograde	-11037 Nov 08 j 00:56	12° S 32'45	
min. Earth dist.	-11043 Nov 10 j 06:12	3° H 43'53	9.01380 AU	opposition	-11036 Jan 17 j 12:28	9° S 17'18	1°58'11
direct	-11042 Jan 20 j 12:17	0° H 20'15		min. Earth dist.	-11036 Jan 18 j 11:04	9° S 13'11	9.25056 AU
evening set	-11042 May 05 j 02:25	7° H 32'42		direct	-11036 Mar 29 j 10:54	5° S 58'06	
conjunction	-11042 May 22 j 08:44	9° H 32'20	-0°47'22	evening set	-11036 Jul 09 j 01:09	12° S 52'07	
minimum elong	-11042 May 22 j 08:46	9° H 32'21	0°47'38	max. Earth dist.	-11036 Jul 24 j 09:18	14° S 37'55	11.22057 AU
max. Earth dist.	-11042 May 22 j 06:02	9° H 31'33	11.07224 AU	conjunction	-11036 Jul 25 j 11:58	14° S 45'39	1°47'20
morning rise	-11042 Jun 08 j 09:35	11° H 30'28		minimum elong	-11036 Jul 25 j 11:55	14° S 45'38	1°47'44
retrograde	-11042 Sep 14 j 06:51	18° H 17'10			-11036 Jul 27 j 13:30	15° S	
opposition	-11042 Nov 21 j 23:59	15° H 01'11	-0°41'19	morning rise	-11036 Aug 10 j 21:09	16° S 38'48	
min. Earth dist.	-11042 Nov 22 j 04:48	15° H 00'17	9.12383 AU	retrograde	-11036 Nov 18 j 12:57	23° S 28'07	
direct	-11041 Feb 01 j 15:37	11° H 38'42		opposition	-11035 Jan 28 j 05:46	20° S 11'47	2°21'54
evening set	-11041 May 16 j 17:27	18° H 44'03		min. Earth dist.	-11035 Jan 29 j 05:25	20° S 07'28	9.18596 AU
conjunction	-11041 Jun 02 j 20:07	20° H 41'38	-0°19'30	direct	-11035 Apr 09 j 20:33	16° S 52'44	
minimum elong	-11041 Jun 02 j 20:08	20° H 41'38	0°19'39	evening set	-11035 Jul 20 j 01:49	23° S 49'27	
max. Earth dist.	-11041 Jun 02 j 11:29	20° H 39'09	11.16969 AU	max. Earth dist.	-11035 Aug 04 j 07:55	25° S 35'41	11.14158 AU
morning rise	-11041 Jun 19 j 17:43	22° H 37'49		conjunction	-11035 Aug 05 j 10:58	25° S 43'36	2°04'42
				minimum elong	-11035 Aug 05 j 10:55	25° S 43'35	2°05'09

Attention, astronomical year style is used: The year -11035 in astronomical counting style is the year 11036 BCE in historical counting style.

morning rise	-11035 Aug 21 j 19:09	27° R 37'37		morning rise	-11029 Nov 02 j 02:17	10° Q 20'11	
	-11035 Sep 12 j 10:01	0° II			-11029 Dec 12 j 19:42	15° Q	
retrograde	-11035 Nov 30 j 09:48	4° II 34'40		retrograde	-11028 Feb 17 j 06:08	18° Q 31'47	
opposition	-11034 Feb 09 j 04:05	1° II 17'12	2°40'50	opposition	-11028 Apr 26 j 19:25	15° Q 03'50	2°05'03
min. Earth dist.	-11034 Feb 10 j 03:51	1° II 12'51	9.09362 AU	min. Earth dist.	-11028 Apr 27 j 02:39	15° Q 02'24	8.19898 AU
	-11034 Feb 27 j 04:29	30° R S			-11028 Apr 27 j 14:44	15° R Q	
direct	-11034 Apr 21 j 09:23	27° S 58'08		direct	-11028 Jul 02 j 23:00	11° Q 40'45	
	-11034 Jun 11 j 06:48	0° II			-11028 Sep 02 j 17:55	15° Q	
evening set	-11034 Jul 31 j 06:21	4° II 59'07		evening set	-11028 Oct 11 j 17:24	19° Q 31'49	
max. Earth dist.	-11034 Aug 15 j 11:19	6° II 46'22	11.03632 AU				
				conjunction	-11028 Oct 28 j 20:33	21° Q 45'17	1°27'16
conjunction	-11034 Aug 16 j 14:34	6° II 54'26	2°17'38	minimum elong	-11028 Oct 28 j 20:37	21° Q 45'18	1°27'40
minimum elong	-11034 Aug 16 j 14:32	6° II 54'25	2°18'10	max. Earth dist.	-11028 Oct 28 j 13:51	21° Q 43'05	10.12474 AU
morning rise	-11034 Sep 01 j 22:45	8° II 49'54		morning rise	-11028 Nov 15 j 05:23	24° Q 00'34	
retrograde	-11034 Dec 12 j 14:20	15° II 56'29			-11027 Jan 08 j 09:10	0° II	
opposition	-11033 Feb 21 j 09:11	12° II 37'39	2°54'02	retrograde	-11027 Mar 03 j 04:30	2° II 24'44	
min. Earth dist.	-11033 Feb 22 j 08:48	12° II 33'18	8.97650 AU		-11027 Apr 27 j 13:00	30° R Q	
direct	-11033 May 03 j 00:19	9° II 18'23		opposition	-11027 May 11 j 05:35	28° Q 55'04	1°29'49
evening set	-11033 Aug 11 j 16:25	16° II 25'04		min. Earth dist.	-11027 May 11 j 07:57	28° Q 54'36	8.05460 AU
max. Earth dist.	-11033 Aug 26 j 21:24	18° II 13'55	10.90836 AU	direct	-11027 Jul 16 j 17:24	25° Q 30'49	
					-11027 Sep 26 j 22:49	0° II	
conjunction	-11033 Aug 28 j 00:39	18° II 22'06	2°25'26	evening set	-11027 Oct 25 j 21:32	3° II 31'55	
minimum elong	-11033 Aug 28 j 00:38	18° II 22'06	2°26'01				
morning rise	-11033 Sep 13 j 10:07	20° II 19'37		conjunction	-11027 Nov 12 j 07:03	5° II 49'15	0°56'01
retrograde	-11033 Dec 25 j 03:18	27° II 37'26		minimum elong	-11027 Nov 12 j 07:06	5° II 49'16	0°56'18
opposition	-11032 Mar 04 j 21:59	24° II 17'00	3°00'36	max. Earth dist.	-11027 Nov 12 j 06:47	5° II 49'10	9.99073 AU
min. Earth dist.	-11032 Mar 05 j 20:56	24° II 12'43	8.83866 AU	morning rise	-11027 Nov 29 j 22:34	8° II 08'32	
direct	-11032 May 13 j 21:57	20° II 57'17		retrograde	-11026 Mar 18 j 10:22	16° II 43'27	
evening set	-11032 Aug 22 j 09:55	28° II 11'04		opposition	-11026 May 25 j 23:06	13° II 12'22	0°47'53
	-11032 Sep 06 j 09:20	0° S		min. Earth dist.	-11026 May 25 j 20:17	13° II 12'57	7.93274 AU
				direct	-11026 Jul 30 j 22:50	9° II 46'56	
conjunction	-11032 Sep 07 j 19:28	0° S 10'26	2°27'21	evening set	-11026 Nov 09 j 15:29	17° II 57'29	
minimum elong	-11032 Sep 07 j 19:29	0° S 10'26	2°27'58				
max. Earth dist.	-11032 Sep 06 j 18:17	0° S 02'44	10.76221 AU	conjunction	-11026 Nov 27 j 07:17	20° II 18'19	0°20'29
morning rise	-11032 Sep 24 j 07:21	2° S 10'35		minimum elong	-11026 Nov 27 j 07:18	20° II 18'19	0°20'38
retrograde	-11031 Jan 06 j 04:26	9° S 40'58		max. Earth dist.	-11026 Nov 27 j 14:25	20° II 20'41	9.88347 AU
opposition	-11031 Mar 17 j 19:07	6° S 18'46	2°59'35	morning rise	-11026 Dec 15 j 04:51	22° II 41'02	
min. Earth dist.	-11031 Mar 18 j 15:47	6° S 14'52	8.68518 AU		-11025 Feb 22 j 03:37	0° S	
direct	-11031 May 26 j 03:49	2° S 58'26		retrograde	-11025 Apr 02 j 21:44	1° S 23'47	
evening set	-11031 Sep 03 j 12:23	10° S 20'28			-11025 May 13 j 01:38	30° R II	
max. Earth dist.	-11031 Sep 19 j 03:21	12° S 16'06	10.60351 AU	opposition	-11025 Jun 09 j 21:58	27° II 51'40	0°01'41
				min. Earth dist.	-11025 Jun 09 j 13:32	27° II 53'24	7.84243 AU
conjunction	-11031 Sep 20 j 00:41	12° S 22'44	2°22'46	desc. node	-11025 Jun 23 j 08:28	26° II 46'04	
minimum elong	-11031 Sep 20 j 00:42	12° S 22'45	2°23'23	direct	-11025 Aug 14 j 13:22	24° II 25'04	
morning rise	-11031 Oct 06 j 16:04	14° S 26'05			-11025 Nov 03 j 09:41	0° S	
retrograde	-11030 Jan 19 j 17:11	22° S 10'02		evening set	-11025 Nov 24 j 21:55	2° S 43'42	
opposition	-11030 Mar 31 j 01:43	18° S 45'55	2°50'15				
min. Earth dist.	-11030 Mar 31 j 18:23	18° S 42'44	8.52237 AU	conjunction	-11025 Dec 12 j 19:09	5° S 07'12	-0°17'07
direct	-11030 Jun 07 j 16:44	15° S 24'51		minimum elong	-11025 Dec 12 j 19:08	5° S 07'12	0°17'08
evening set	-11030 Sep 16 j 01:27	22° S 56'01		max. Earth dist.	-11025 Dec 13 j 09:52	5° S 12'09	9.81165 AU
				morning rise	-11025 Dec 30 j 21:29	7° S 32'22	
conjunction	-11030 Oct 02 j 17:41	25° S 01'42	2°11'15	retrograde	-11024 Apr 17 j 11:05	16° S 19'04	
minimum elong	-11030 Oct 02 j 17:44	25° S 01'43	2°11'49	opposition	-11024 Jun 23 j 23:42	12° S 46'21	-0°45'27
max. Earth dist.	-11030 Oct 02 j 00:48	24° S 56'21	10.43915 AU	min. Earth dist.	-11024 Jun 23 j 09:43	12° S 49'16	7.79135 AU
morning rise	-11030 Oct 19 j 13:54	27° S 08'45		direct	-11024 Aug 28 j 11:04	9° S 18'41	
	-11030 Nov 12 j 16:57	0° Q		evening set	-11024 Dec 09 j 13:56	17° S 43'07	
retrograde	-11029 Feb 02 j 17:53	5° Q 06'42					
opposition	-11029 Apr 13 j 17:58	1° Q 40'37	2°32'05	conjunction	-11024 Dec 27 j 15:08	20° S 08'08	-0°53'55
min. Earth dist.	-11029 Apr 14 j 05:52	1° Q 38'18	8.35761 AU	minimum elong	-11024 Dec 27 j 15:05	20° S 08'07	0°54'06
	-11029 May 06 j 06:54	30° R S		max. Earth dist.	-11024 Dec 28 j 12:46	20° S 15'25	9.78159 AU
direct	-11029 Jun 20 j 15:08	28° S 18'38		morning rise	-11023 Jan 14 j 20:23	22° S 34'26	
	-11029 Aug 03 j 07:36	0° Q			-11023 Mar 25 j 11:59	0° II	
evening set	-11029 Sep 29 j 02:50	5° Q 59'36		retrograde	-11023 May 02 j 22:20	1° II 20'37	
max. Earth dist.	-11029 Oct 15 j 11:55	8° Q 05'09	10.27687 AU		-11023 Jun 10 j 16:54	30° R S	
				min. Earth dist.	-11023 Jul 08 j 06:36	27° S 51'44	7.78402 AU
conjunction	-11029 Oct 16 j 00:05	8° Q 09'04	1°52'38	opposition	-11023 Jul 09 j 01:14	27° S 47'49	-1°29'48
minimum elong	-11029 Oct 16 j 00:09	8° Q 09'06	1°53'09	direct	-11023 Sep 12 j 12:49	24° S 19'12	

Attention, astronomical year style is used: The year -11023 in astronomical counting style is the year 11024 BCE in historical counting style.

	-11023 Dec 03 j 13:08	0°♄	direct	-11017 Dec 08 j 14:33	19°♄10'05	
evening set	-11023 Dec 25 j 11:32	2°♄46'34	evening set	-11016 Mar 23 j 11:48	26°♄56'25	
conjunction	-11022 Jan 12 j 15:03	5°♄11'48 -1°27'08	conjunction	-11016 Apr 10 j 05:23	29°♄05'41 -2°06'23	
minimum elong	-11022 Jan 12 j 14:58	5°♄11'46 1°27'27	minimum elong	-11016 Apr 10 j 05:26	29°♄05'42 2°06'56	
max. Earth dist.	-11022 Jan 13 j 18:08	5°♄20'53 9.79615 AU	max. Earth dist.	-11016 Apr 10 j 23:21	29°♄11'10 10.56454 AU	
morning rise	-11022 Jan 30 j 21:17	7°♄37'50		-11016 Apr 17 j 15:12	0°≈	
	-11022 Apr 10 j 07:16	15°♄	morning rise	-11016 Apr 27 j 18:27	1°≈13'30	
retrograde	-11022 May 18 j 04:32	16°♄18'54	retrograde	-11016 Aug 05 j 20:39	8°≈34'08	
	-11022 Jun 25 j 08:33	15°♄	opposition	-11016 Oct 12 j 05:41	5°≈12'16 -2°25'13	
opposition	-11022 Jul 23 j 23:28	12°♄46'34 -2°07'49	min. Earth dist.	-11016 Oct 11 j 17:13	5°≈14'44 8.64805 AU	
min. Earth dist.	-11022 Jul 23 j 01:41	12°♄51'10 7.82118 AU	direct	-11016 Dec 21 j 00:40	1°≈45'17	
direct	-11022 Sep 27 j 16:27	9°♄17'13	evening set	-11015 Apr 05 j 15:15	9°≈20'37	
	-11022 Dec 19 j 14:37	15°♄				
evening set	-11021 Jan 10 j 09:52	17°♄44'15	conjunction	-11015 Apr 23 j 05:47	11°≈26'43 -1°47'43	
conjunction	-11021 Jan 28 j 14:03	20°♄08'25 -1°54'15	minimum elong	-11015 Apr 23 j 05:51	11°≈26'44 1°48'12	
minimum elong	-11021 Jan 28 j 13:58	20°♄08'24 1°54'42	max. Earth dist.	-11015 Apr 23 j 18:41	11°≈30'36 10.72924 AU	
max. Earth dist.	-11021 Jan 29 j 20:29	20°♄18'33 9.85423 AU	morning rise	-11015 May 10 j 15:10	13°≈31'17	
morning rise	-11021 Feb 15 j 19:29	22°♄32'55		-11015 May 23 j 11:42	15°≈	
	-11021 Apr 28 j 21:24	0°♄	retrograde	-11015 Aug 17 j 20:15	20°≈39'30	
retrograde	-11021 Jun 02 j 02:14	1°♄04'44	opposition	-11015 Oct 24 j 13:53	17°≈19'36 -1°59'07	
	-11021 Jul 06 j 10:02	30°♄	min. Earth dist.	-11015 Oct 24 j 06:18	17°≈21'04 8.80757 AU	
opposition	-11021 Aug 07 j 15:47	27°♄33'26 -2°36'43		-11015 Nov 26 j 16:47	15°≈	
min. Earth dist.	-11021 Aug 06 j 16:39	27°♄38'17 7.89973 AU	direct	-11014 Jan 03 j 00:31	13°≈53'50	
direct	-11021 Oct 12 j 19:27	24°♄03'38		-11014 Feb 09 j 04:16	15°≈	
	-11020 Jan 06 j 11:47	0°♄	evening set	-11014 Apr 18 j 06:15	21°≈18'54	
evening set	-11020 Jan 26 j 03:57	2°♄27'01				
conjunction	-11020 Feb 13 j 07:18	4°♄49'05 -2°13'29	conjunction	-11014 May 05 j 17:26	23°≈22'07 -1°24'51	
minimum elong	-11020 Feb 13 j 07:15	4°♄49'03 2°14'02	minimum elong	-11014 May 05 j 17:30	23°≈22'08 1°25'15	
max. Earth dist.	-11020 Feb 14 j 14:40	4°♄59'23 9.95113 AU	max. Earth dist.	-11014 May 05 j 23:55	23°≈24'02 10.88259 AU	
morning rise	-11020 Mar 02 j 10:30	7°♄10'58	morning rise	-11014 May 22 j 23:19	25°≈23'45	
retrograde	-11020 Jun 15 j 12:03	15°♄30'23		-11014 Jul 06 j 22:38	0°♄	
opposition	-11020 Aug 20 j 23:56	12°♄00'33 -2°54'51	retrograde	-11014 Aug 29 j 11:06	2°♄21'27	
min. Earth dist.	-11020 Aug 20 j 01:14	12°♄05'17 8.01356 AU		-11014 Oct 24 j 01:22	30°≈	
direct	-11020 Oct 26 j 18:22	8°♄30'40	opposition	-11014 Nov 05 j 14:44	29°≈03'19 -1°28'52	
evening set	-11019 Feb 09 j 13:16	16°♄47'26	min. Earth dist.	-11014 Nov 05 j 12:15	29°≈03'48 8.95273 AU	
			direct	-11013 Jan 15 j 14:49	25°≈38'53	
conjunction	-11019 Feb 27 j 14:49	19°♄06'38 -2°23'59		-11013 Apr 03 j 11:28	0°♄	
minimum elong	-11019 Feb 27 j 14:47	19°♄06'38 2°24'35	evening set	-11013 Apr 30 j 10:06	2°≈54'47	
max. Earth dist.	-11019 Feb 28 j 20:43	19°♄16'18 10.07970 AU	conjunction	-11013 May 17 j 17:48	4°≈55'24 -0°59'06	
morning rise	-11019 Mar 17 j 14:57	21°♄25'17	minimum elong	-11013 May 17 j 17:50	4°≈55'25 0°59'24	
retrograde	-11019 Jun 29 j 08:30	29°♄30'15	max. Earth dist.	-11013 May 17 j 17:42	4°≈55'22 11.01862 AU	
opposition	-11019 Sep 03 j 22:29	26°♄02'14 -3°01'50	morning rise	-11013 Jun 03 j 20:19	6°≈54'30	
min. Earth dist.	-11019 Sep 03 j 01:15	26°♄06'37 8.15457 AU	retrograde	-11013 Sep 09 j 19:21	13°≈43'54	
direct	-11019 Nov 10 j 10:51	22°♄32'36	opposition	-11013 Nov 17 j 09:52	10°≈27'14 -0°55'59	
	-11018 Feb 18 j 23:35	0°♄	min. Earth dist.	-11013 Nov 17 j 11:30	10°≈26'56 9.07813 AU	
evening set	-11018 Feb 24 j 10:36	0°♄40'26	direct	-11012 Jan 27 j 22:23	7°≈04'08	
			evening set	-11012 May 11 j 04:17	14°≈12'10	
conjunction	-11018 Mar 14 j 09:48	2°♄56'24 -2°25'45	conjunction	-11012 May 28 j 08:32	16°≈10'33 -0°31'37	
minimum elong	-11018 Mar 14 j 09:48	2°♄56'24 2°26'22	minimum elong	-11012 May 28 j 08:34	16°≈10'33 0°31'48	
max. Earth dist.	-11018 Mar 15 j 12:30	3°♄04'53 10.23107 AU	max. Earth dist.	-11012 May 28 j 03:21	16°≈09'03 11.13241 AU	
morning rise	-11018 Apr 01 j 06:26	5°♄11'26	morning rise	-11012 Jun 14 j 07:41	18°≈07'30	
retrograde	-11018 Jul 12 j 15:26	13°♄01'09	retrograde	-11012 Sep 20 j 01:47	24°≈50'52	
opposition	-11018 Sep 17 j 10:50	9°♄35'09 -2°58'17	opposition	-11012 Nov 28 j 00:37	21°≈35'20 -0°21'47	
min. Earth dist.	-11018 Sep 16 j 15:50	9°♄39'01 8.31341 AU	min. Earth dist.	-11012 Nov 28 j 06:17	21°≈34'17 9.17933 AU	
direct	-11018 Nov 24 j 18:00	6°♄06'07	direct	-11011 Feb 07 j 21:34	18°≈13'30	
evening set	-11017 Mar 10 j 18:22	14°♄03'31	evening set	-11011 May 22 j 15:00	25°≈15'11	
conjunction	-11017 Mar 28 j 14:50	16°♄16'07 -2°19'30	conjunction	-11011 Jun 08 j 15:48	27°≈11'43 -0°03'29	
minimum elong	-11017 Mar 28 j 14:52	16°♄16'07 2°20'06	minimum elong	-11011 Jun 08 j 15:48	27°≈11'43 0°03'34	
max. Earth dist.	-11017 Mar 29 j 13:19	16°♄23'07 10.39572 AU	behind sun begin	-11011 Jun 08 j 08:50	27°≈09'45	
morning rise	-11017 Apr 15 j 07:43	18°♄27'28	behind sun end	-11011 Jun 08 j 22:46	27°≈13'42	
retrograde	-11017 Jul 25 j 11:38	26°♄02'08	max. Earth dist.	-11011 Jun 08 j 06:09	27°≈08'58 11.22004 AU	
opposition	-11017 Sep 30 j 12:57	22°♄38'12 -2°45'31	morning rise	-11011 Jun 25 j 11:35	29°≈06'55	
min. Earth dist.	-11017 Sep 29 j 20:41	22°♄41'28 8.48077 AU		-11011 Jul 03 j 11:01	0°♄	

Attention, astronomical year style is used: The year -11011 in astronomical counting style is the year 11012 BCE in historical counting style.

asc. node	-11011 Jul 24 j 17:42	2°♊11'24		morning rise	-11005 Aug 28 j 12:26	4°♊11'34	
retrograde	-11011 Oct 01 j 03:52	5°♊46'25		retrograde	-11005 Dec 07 j 15:43	11°♊13'21	
opposition	-11011 Dec 09 j 12:26	2°♊31'43	0°12'33	opposition	-11004 Feb 16 j 11:15	7°♊55'35	2°49'03
min. Earth dist.	-11011 Dec 09 j 22:51	2°♊29'48	9.25301 AU	min. Earth dist.	-11004 Feb 17 j 12:50	7°♊50'53	9.04312 AU
	-11010 Jan 17 j 14:52	30°♋		direct	-11004 Apr 27 j 08:47	4°♊36'44	
direct	-11010 Feb 19 j 13:49	29°♋10'58		evening set	-11004 Aug 06 j 03:14	11°♊40'27	
	-11010 Mar 24 j 05:03	0°♊		max. Earth dist.	-11004 Aug 21 j 07:13	13°♊28'10	10.97705 AU
evening set	-11010 Jun 02 j 20:06	6°♊07'58					
				conjunction	-11004 Aug 22 j 11:21	13°♊36'34	2°22'45
conjunction	-11010 Jun 19 j 17:15	8°♊03'01	0°24'32	minimum elong	-11004 Aug 22 j 11:19	13°♊36'34	2°23'19
minimum elong	-11010 Jun 19 j 17:14	8°♊03'01	0°24'34	morning rise	-11004 Sep 07 j 20:02	15°♊33'00	
max. Earth dist.	-11010 Jun 19 j 02:21	7°♊58'46	11.27871 AU	retrograde	-11004 Dec 19 j 01:11	22°♊45'25	
morning rise	-11010 Jul 06 j 09:59	9°♊56'55		opposition	-11003 Feb 27 j 20:11	19°♊25'56	2°58'38
retrograde	-11010 Oct 12 j 05:38	16°♊34'48		min. Earth dist.	-11003 Feb 28 j 20:18	19°♊21'28	8.90878 AU
opposition	-11010 Dec 20 j 23:08	13°♊20'32	0°46'02	direct	-11003 May 09 j 04:25	16°♊06'36	
min. Earth dist.	-11010 Dec 21 j 14:10	13°♊17'47	9.29684 AU	evening set	-11003 Aug 17 j 17:05	23°♊16'55	
direct	-11009 Mar 03 j 03:15	10°♊00'41		max. Earth dist.	-11003 Sep 01 j 23:04	25°♊06'58	10.83286 AU
evening set	-11009 Jun 13 j 21:03	16°♊54'36					
				conjunction	-11003 Sep 03 j 01:59	25°♊15'08	2°27'19
conjunction	-11009 Jun 30 j 14:40	18°♊48'35	0°51'23	minimum elong	-11003 Sep 03 j 01:59	25°♊15'08	2°27'55
minimum elong	-11009 Jun 30 j 14:38	18°♊48'35	0°51'32	morning rise	-11003 Sep 19 j 12:26	27°♊13'58	
max. Earth dist.	-11009 Jun 29 j 19:01	18°♊42'58	11.30661 AU		-11003 Oct 13 j 23:46	0°♋	
morning rise	-11009 Jul 17 j 04:42	20°♊41'38		retrograde	-11003 Dec 31 j 22:21	4°♋38'29	
retrograde	-11009 Oct 23 j 07:15	27°♊20'05		opposition	-11002 Mar 12 j 13:21	1°♋17'07	3°01'04
opposition	-11008 Jan 01 j 09:53	24°♊05'49	1°17'42	min. Earth dist.	-11002 Mar 13 j 11:38	1°♋12'56	8.75587 AU
min. Earth dist.	-11008 Jan 02 j 04:01	24°♊02'32	9.30925 AU		-11002 Mar 30 j 02:40	30°♋	
direct	-11008 Mar 13 j 13:35	20°♊46'40		direct	-11002 May 21 j 05:36	27°♊57'03	
evening set	-11008 Jun 23 j 19:44	27°♊39'11			-11002 Jul 09 j 23:55	0°♋	
max. Earth dist.	-11008 Jul 09 j 11:49	29°♊26'06	11.30254 AU	evening set	-11002 Aug 29 j 15:13	5°♋15'12	
				max. Earth dist.	-11002 Sep 14 j 00:59	7°♋08'22	10.67331 AU
conjunction	-11008 Jul 10 j 10:18	29°♊32'33	1°16'21	conjunction	-11002 Sep 15 j 02:03	7°♋16'06	2°25'40
minimum elong	-11008 Jul 10 j 10:16	29°♊32'33	1°16'36	minimum elong	-11002 Sep 15 j 02:04	7°♋16'06	2°26'17
	-11008 Jul 14 j 10:01	0°♋		morning rise	-11002 Oct 01 j 15:41	9°♋17'58	
morning rise	-11008 Jul 26 j 21:51	1°♋25'11		retrograde	-11001 Jan 14 j 04:38	16°♋55'47	
retrograde	-11008 Nov 02 j 14:19	8°♋06'21		opposition	-11001 Mar 25 j 15:41	13°♋32'21	2°55'30
opposition	-11007 Jan 11 j 22:01	4°♋51'43	1°46'42	min. Earth dist.	-11001 Mar 26 j 11:28	13°♋28'34	8.59069 AU
min. Earth dist.	-11007 Jan 12 j 18:35	4°♋47'59	9.28932 AU	direct	-11001 Jun 02 j 13:46	10°♋11'21	
direct	-11007 Mar 24 j 23:34	1°♋33'00		evening set	-11001 Sep 10 j 23:10	17°♋38'27	
evening set	-11007 Jul 04 j 17:56	8°♋25'48					
max. Earth dist.	-11007 Jul 20 j 04:44	10°♋11'50	11.26596 AU	conjunction	-11001 Sep 27 j 13:22	19°♋42'35	2°17'15
				minimum elong	-11001 Sep 27 j 13:25	19°♋42'36	2°17'50
conjunction	-11007 Jul 21 j 05:51	10°♋19'04	1°38'42	max. Earth dist.	-11001 Sep 26 j 15:53	19°♋35'51	10.50505 AU
minimum elong	-11007 Jul 21 j 05:48	10°♋19'04	1°39'03	morning rise	-11001 Oct 14 j 07:29	21°♋48'01	
morning rise	-11007 Aug 06 j 15:24	12°♋11'49		retrograde	-11000 Jan 27 j 22:31	29°♋39'53	
	-11007 Sep 01 j 22:29	15°♋		opposition	-11000 Apr 07 j 03:32	26°♋14'19	2°41'18
retrograde	-11007 Nov 14 j 00:04	18°♋57'47		min. Earth dist.	-11000 Apr 07 j 19:43	26°♋11'10	8.42040 AU
opposition	-11006 Jan 23 j 13:24	15°♋42'27	2°12'10	direct	-11000 Jun 14 j 09:14	22°♋52'16	
min. Earth dist.	-11006 Jan 24 j 12:42	15°♋38'13	9.23696 AU		-11000 Sep 18 j 21:01	0°♌	
	-11006 Feb 02 j 08:49	15°♌		evening set	-11000 Sep 22 j 18:45	0°♌29'08	
direct	-11006 Apr 05 j 07:00	12°♌23'57					
	-11006 Jun 03 j 02:07	15°♌		conjunction	-11000 Oct 09 j 13:39	2°♌37'00	2°01'46
evening set	-11006 Jul 15 j 17:26	19°♌18'47		minimum elong	-11000 Oct 09 j 13:43	2°♌37'01	2°02'18
max. Earth dist.	-11006 Jul 30 j 22:57	21°♌04'15	11.19764 AU	max. Earth dist.	-11000 Oct 08 j 21:46	2°♌31'55	10.33560 AU
				morning rise	-11000 Oct 26 j 13:11	4°♌46'25	
conjunction	-11006 Aug 01 j 03:05	21°♌12'25	1°57'43	retrograde	-10999 Feb 10 j 05:04	12°♌52'25	
minimum elong	-11006 Aug 01 j 03:02	21°♌12'25	1°58'09	opposition	-10999 Apr 21 j 00:48	9°♌24'46	2°18'10
morning rise	-11006 Aug 17 j 11:30	23°♌05'50		min. Earth dist.	-10999 Apr 21 j 11:49	9°♌22'36	8.25316 AU
retrograde	-11006 Nov 25 j 16:08	29°♌58'45		direct	-10999 Jun 27 j 13:39	6°♌01'36	
opposition	-11005 Feb 04 j 09:25	26°♌42'22	2°33'16	evening set	-10999 Oct 06 j 03:10	13°♌48'43	
min. Earth dist.	-11005 Feb 05 j 10:46	26°♌37'45	9.15383 AU		-10999 Oct 15 j 09:07	15°♌	
direct	-11005 Apr 16 j 18:19	23°♌23'49					
	-11005 Jul 23 j 13:53	0°♍		conjunction	-10999 Oct 23 j 03:48	16°♌00'36	1°39'18
evening set	-11005 Jul 26 j 20:01	0°♍22'21		minimum elong	-10999 Oct 23 j 03:52	16°♌00'37	1°39'45
max. Earth dist.	-11005 Aug 10 j 23:07	2°♍08'20	11.10013 AU	max. Earth dist.	-10999 Oct 22 j 18:28	15°♌57'34	10.17360 AU
				morning rise	-10999 Nov 09 j 09:36	18°♌14'14	
conjunction	-11005 Aug 12 j 04:19	2°♍16'56	2°12'38	retrograde	-10998 Feb 24 j 23:44	26°♌33'42	
minimum elong	-11005 Aug 12 j 04:16	2°♍16'55	2°13'09				

Attention, astronomical year style is used: The year -10998 in astronomical counting style is the year 10999 BCE in historical counting style.

opposition	-10998 May 05 j 07:27	23° Ω 04'08	1°46'23	opposition	-10992 Jul 31 j 18:14	21° \mathbb{M} 25'17	-2°25'20
min. Earth dist.	-10998 May 05 j 12:17	23° Ω 03'10	8.09802 AU	min. Earth dist.	-10992 Jul 30 j 19:09	21° \mathbb{M} 30'08	7.85871 AU
direct	-10998 Jul 11 j 03:04	19° Ω 39'48		direct	-10992 Oct 05 j 17:32	17° \mathbb{M} 55'39	
evening set	-10998 Oct 20 j 01:21	27° Ω 37'13		evening set	-10991 Jan 18 j 18:26	26° \mathbb{M} 21'07	
conjunction	-10998 Nov 06 j 08:17	29° Ω 53'07	1°10'27	conjunction	-10991 Feb 05 j 22:16	28° \mathbb{M} 44'12	-2°06'07
minimum elong	-10998 Nov 06 j 08:20	29° Ω 53'09	1°10'48	minimum elong	-10991 Feb 05 j 22:12	28° \mathbb{M} 44'11	2°06'37
max. Earth dist.	-10998 Nov 06 j 06:02	29° Ω 52'23	10.02822 AU	max. Earth dist.	-10991 Feb 07 j 06:01	28° \mathbb{M} 54'43	9.90459 AU
	-10998 Nov 07 j 05:07	0° \mathbb{M}			-10991 Feb 15 j 12:02	0° \mathbb{M}	
morning rise	-10998 Nov 23 j 20:47	2° \mathbb{M} 10'56		morning rise	-10991 Feb 24 j 02:41	1° \mathbb{M} 07'22	
retrograde	-10997 Mar 12 j 03:26	10° \mathbb{M} 42'15		retrograde	-10991 Jun 09 j 16:59	9° \mathbb{M} 32'40	
opposition	-10997 May 19 j 22:15	7° \mathbb{M} 11'03	1°07'06	min. Earth dist.	-10991 Aug 14 j 05:58	6° \mathbb{M} 07'22	7.96227 AU
min. Earth dist.	-10997 May 19 j 20:47	7° \mathbb{M} 11'21	7.96422 AU	opposition	-10991 Aug 15 j 06:20	6° \mathbb{M} 02'16	-2°48'16
direct	-10997 Jul 25 j 03:26	3° \mathbb{M} 45'31		direct	-10991 Oct 20 j 18:40	2° \mathbb{M} 32'38	
evening set	-10997 Nov 03 j 13:43	11° \mathbb{M} 52'45		evening set	-10990 Feb 03 j 08:17	10° \mathbb{M} 52'36	
conjunction	-10997 Nov 21 j 02:57	14° \mathbb{M} 12'22	0°36'31	conjunction	-10990 Feb 21 j 10:49	13° \mathbb{M} 13'06	-2°20'27
minimum elong	-10997 Nov 21 j 02:59	14° \mathbb{M} 12'23	0°36'44	minimum elong	-10990 Feb 21 j 10:47	13° \mathbb{M} 13'06	2°21'02
max. Earth dist.	-10997 Nov 21 j 07:50	14° \mathbb{M} 14'00	9.90850 AU	max. Earth dist.	-10990 Feb 22 j 19:07	13° \mathbb{M} 23'37	10.02471 AU
morning rise	-10997 Dec 08 j 21:56	16° \mathbb{M} 33'54		morning rise	-10990 Mar 11 j 12:23	15° \mathbb{M} 33'12	
retrograde	-10996 Mar 26 j 13:24	25° \mathbb{M} 14'22		retrograde	-10990 Jun 23 j 19:44	23° \mathbb{M} 44'42	
opposition	-10996 Jun 02 j 19:15	21° \mathbb{M} 41'57	0°22'21	min. Earth dist.	-10990 Aug 28 j 09:27	20° \mathbb{M} 21'06	8.09684 AU
min. Earth dist.	-10996 Jun 02 j 11:53	21° \mathbb{M} 43'28	7.86062 AU	opposition	-10990 Aug 29 j 09:17	20° \mathbb{M} 16'10	-3°00'03
direct	-10996 Aug 07 j 13:39	18° \mathbb{M} 15'16		direct	-10990 Nov 04 j 13:28	16° \mathbb{M} 46'50	
evening set	-10996 Nov 17 j 15:09	26° \mathbb{M} 31'09		evening set	-10989 Feb 18 j 11:38	24° \mathbb{M} 58'41	
desc. node	-10996 Nov 30 j 05:24	28° \mathbb{M} 11'53					
conjunction	-10996 Dec 05 j 10:05	28° \mathbb{M} 53'48	-0°00'32	conjunction	-10989 Mar 08 j 12:03	27° \mathbb{M} 16'03	-2°25'57
minimum elong	-10996 Dec 05 j 10:05	28° \mathbb{M} 53'48	0°00'28	minimum elong	-10989 Mar 08 j 12:03	27° \mathbb{M} 16'03	2°26'34
behind sun begin	-10996 Dec 05 j 02:47	28° \mathbb{M} 51'22		max. Earth dist.	-10989 Mar 09 j 18:35	27° \mathbb{M} 25'49	10.17161 AU
behind sun end	-10996 Dec 05 j 17:24	28° \mathbb{M} 56'14		morning rise	-10989 Mar 26 j 10:07	29° \mathbb{M} 32'35	
max. Earth dist.	-10996 Dec 05 j 22:07	28° \mathbb{M} 57'50	9.82274 AU		-10989 Mar 30 j 02:13	0° \mathbb{M}	
	-10996 Dec 13 j 15:12	0° \mathbb{M}		retrograde	-10989 Jul 07 j 10:21	7° \mathbb{M} 28'55	
morning rise	-10996 Dec 23 j 10:33	1° \mathbb{M} 18'14		min. Earth dist.	-10989 Sep 11 j 04:52	4° \mathbb{M} 06'52	8.25323 AU
retrograde	-10995 Apr 11 j 02:56	10° \mathbb{M} 04'17		opposition	-10989 Sep 12 j 02:23	4° \mathbb{M} 02'28	-3°00'54
opposition	-10995 Jun 17 j 20:24	6° \mathbb{M} 31'08	-0°24'53	direct	-10989 Nov 18 j 23:21	0° \mathbb{M} 33'43	
min. Earth dist.	-10995 Jun 17 j 07:50	6° \mathbb{M} 33'46	7.79475 AU	evening set	-10988 Mar 04 j 01:46	8° \mathbb{M} 35'32	
direct	-10995 Aug 22 j 08:10	3° \mathbb{M} 03'24					
evening set	-10995 Dec 03 j 03:19	11° \mathbb{M} 26'00		conjunction	-10988 Mar 21 j 23:29	10° \mathbb{M} 49'30	-2°23'03
conjunction	-10995 Dec 21 j 02:50	13° \mathbb{M} 50'38	-0°38'03	minimum elong	-10988 Mar 21 j 23:30	10° \mathbb{M} 49'31	2°23'39
minimum elong	-10995 Dec 21 j 02:48	13° \mathbb{M} 50'37	0°38'09	max. Earth dist.	-10988 Mar 23 j 02:05	10° \mathbb{M} 57'51	10.33555 AU
max. Earth dist.	-10995 Dec 21 j 21:50	13° \mathbb{M} 57'02	9.77744 AU	morning rise	-10988 Apr 08 j 17:48	13° \mathbb{M} 02'20	
morning rise	-10994 Jan 08 j 07:11	16° \mathbb{M} 16'46		retrograde	-10988 Jul 19 j 12:34	20° \mathbb{M} 43'13	
retrograde	-10994 Apr 26 j 16:03	25° \mathbb{M} 04'08		opposition	-10988 Sep 24 j 09:10	17° \mathbb{M} 18'57	-2°51'55
opposition	-10994 Jul 02 j 22:39	21° \mathbb{M} 30'49	-1°10'57	min. Earth dist.	-10988 Sep 23 j 15:19	17° \mathbb{M} 22'33	8.42153 AU
min. Earth dist.	-10994 Jul 02 j 05:36	21° \mathbb{M} 34'24	7.77177 AU	direct	-10988 Dec 02 j 00:38	13° \mathbb{M} 51'02	
direct	-10994 Sep 06 j 08:47	18° \mathbb{M} 02'11		evening set	-10987 Mar 18 j 01:36	21° \mathbb{M} 41'50	
evening set	-10994 Dec 18 j 23:07	26° \mathbb{M} 28'56					
conjunction	-10993 Jan 06 j 01:44	28° \mathbb{M} 54'18	-1°13'12	conjunction	-10987 Apr 04 j 20:22	23° \mathbb{M} 52'22	-2°12'44
minimum elong	-10993 Jan 06 j 01:40	28° \mathbb{M} 54'17	1°13'27	minimum elong	-10987 Apr 04 j 20:24	23° \mathbb{M} 52'23	2°13'19
max. Earth dist.	-10993 Jan 07 j 02:38	29° \mathbb{M} 02'42	9.77633 AU	max. Earth dist.	-10987 Apr 05 j 17:08	23° \mathbb{M} 58'46	10.50642 AU
	-10993 Jan 14 j 05:10	0° \mathbb{M}		morning rise	-10987 Apr 22 j 11:01	26° \mathbb{M} 01'34	
morning rise	-10993 Jan 24 j 07:59	1° \mathbb{M} 20'46			-10987 May 28 j 07:08	0° \mathbb{M}	
retrograde	-10993 May 12 j 00:58	10° \mathbb{M} 04'50		retrograde	-10987 Aug 01 j 00:39	3° \mathbb{M} 27'45	
opposition	-10993 Jul 17 j 22:48	6° \mathbb{M} 31'58	-1°52'11	opposition	-10987 Oct 07 j 05:48	0° \mathbb{M} 05'37	-2°34'39
min. Earth dist.	-10993 Jul 17 j 02:13	6° \mathbb{M} 36'18	7.79360 AU	min. Earth dist.	-10987 Oct 06 j 16:21	0° \mathbb{M} 08'17	8.59177 AU
direct	-10993 Sep 21 j 12:56	3° \mathbb{M} 02'40			-10987 Oct 08 j 10:13	30° \mathbb{R}	
evening set	-10992 Jan 03 j 21:55	11° \mathbb{M} 30'28		direct	-10987 Dec 15 j 16:37	26° \mathbb{M} 38'42	
					-10986 Feb 19 j 13:50	0° \mathbb{M}	
conjunction	-10992 Jan 22 j 01:54	13° \mathbb{M} 55'17	-1°43'16	evening set	-10986 Mar 31 j 11:12	4° \mathbb{M} 18'25	
minimum elong	-10992 Jan 22 j 01:49	13° \mathbb{M} 55'15	1°43'40				
max. Earth dist.	-10992 Jan 23 j 07:07	14° \mathbb{M} 05'03	9.81974 AU	conjunction	-10986 Apr 18 j 02:54	6° \mathbb{M} 25'41	-1°56'17
	-10992 Jan 30 j 03:45	15° \mathbb{M}		minimum elong	-10986 Apr 18 j 02:57	6° \mathbb{M} 25'42	1°56'48
morning rise	-10992 Feb 09 j 08:04	16° \mathbb{M} 20'41		max. Earth dist.	-10986 Apr 18 j 16:49	6° \mathbb{M} 29'54	10.67449 AU
retrograde	-10992 May 26 j 02:19	24° \mathbb{M} 57'09		morning rise	-10986 May 05 j 13:59	8° \mathbb{M} 31'31	
					-10986 Jul 15 j 02:39	15° \mathbb{M}	
				retrograde	-10986 Aug 13 j 03:18	15° \mathbb{M} 44'33	
					-10986 Sep 11 j 12:29	15° \mathbb{R}	

Attention, astronomical year style is used: The year -10986 in astronomical counting style is the year 10987 BCE in historical counting style.

opposition	-10986 Oct 19 j 17:27	12°≈24'25	-2°10'50	max. Earth dist.	-10980 Jun 24 j 14:56	14°Υ21'20	11.29231 AU
min. Earth dist.	-10986 Oct 19 j 08:10	12°≈26'13	8.75494 AU	morning rise	-10980 Jul 11 j 23:49	16°Υ19'47	
direct	-10986 Dec 28 j 21:58	8°≈58'40		retrograde	-10980 Oct 17 j 22:50	22°Υ57'41	
	-10985 Mar 31 j 11:35	15°≈		opposition	-10980 Dec 26 j 21:06	19°Υ43'06	1°04'15
evening set	-10985 Apr 13 j 07:30	16°≈27'49		min. Earth dist.	-10980 Dec 27 j 14:14	19°Υ39'58	9.29987 AU
				direct	-10979 Mar 09 j 01:47	16°Υ23'15	
conjunction	-10985 Apr 30 j 20:05	18°≈32'07	-1°35'04	evening set	-10979 Jun 19 j 12:35	23°Υ16'09	
minimum elong	-10985 Apr 30 j 20:09	18°≈32'08	1°35'31	max. Earth dist.	-10979 Jul 05 j 06:30	25°Υ03'30	11.29874 AU
max. Earth dist.	-10985 May 01 j 04:06	18°≈34'30	10.83190 AU				
morning rise	-10985 May 18 j 03:33	20°≈34'52		conjunction	-10979 Jul 06 j 04:34	25°Υ09'48	1°05'47
retrograde	-10985 Aug 24 j 23:00	27°≈36'40		minimum elong	-10979 Jul 06 j 04:31	25°Υ09'48	1°06'00
opposition	-10985 Oct 31 j 21:21	24°≈18'18	-1°42'12	morning rise	-10979 Jul 22 j 17:08	27°Υ02'37	
min. Earth dist.	-10985 Oct 31 j 16:29	24°≈19'13	8.90448 AU		-10979 Aug 19 j 19:44	0°♄	
direct	-10984 Jan 10 j 15:45	20°≈53'48		retrograde	-10979 Oct 29 j 02:11	3°♄42'18	
evening set	-10984 Apr 24 j 15:59	28°≈13'18		opposition	-10978 Jan 07 j 08:07	0°♄27'26	1°34'30
	-10984 May 09 j 22:30	0°♄		min. Earth dist.	-10978 Jan 08 j 04:55	0°♄23'38	9.29121 AU
					-10978 Jan 13 j 15:13	30°♄Υ	
conjunction	-10984 May 12 j 01:20	0°♄14'56	-1°10'25	direct	-10978 Mar 20 j 11:13	27°Υ07'59	
minimum elong	-10984 May 12 j 01:23	0°♄14'57	1°10'46		-10978 May 21 j 20:57	0°♄	
max. Earth dist.	-10984 May 12 j 03:55	0°♄15'41	10.97291 AU	evening set	-10978 Jun 30 j 10:35	4°♄00'33	
morning rise	-10984 May 29 j 05:12	2°♄15'01					
retrograde	-10984 Sep 04 j 10:22	9°♄07'37		conjunction	-10978 Jul 16 j 23:31	5°♄53'52	1°29'21
opposition	-10984 Nov 11 j 18:50	5°♄50'43	-1°10'19	minimum elong	-10978 Jul 16 j 23:28	5°♄53'51	1°29'40
min. Earth dist.	-10984 Nov 11 j 19:10	5°♄50'39	9.03539 AU	max. Earth dist.	-10978 Jul 15 j 22:07	5°♄46'34	11.27432 AU
direct	-10983 Jan 22 j 01:50	2°♄27'23		morning rise	-10978 Aug 02 j 10:03	7°♄46'34	
evening set	-10983 May 06 j 14:14	9°♄38'30		retrograde	-10978 Nov 09 j 08:43	14°♄30'11	
				opposition	-10977 Jan 18 j 21:42	11°♄14'41	2°01'37
conjunction	-10983 May 23 j 20:07	11°♄37'47	-0°43'34	min. Earth dist.	-10977 Jan 19 j 20:33	11°♄10'32	9.25192 AU
minimum elong	-10983 May 23 j 20:08	11°♄37'47	0°43'48	direct	-10977 Mar 31 j 19:58	7°♄55'32	
max. Earth dist.	-10983 May 23 j 16:39	11°♄36'46	11.09286 AU	evening set	-10977 Jul 11 j 08:51	14°♄49'22	
morning rise	-10983 Jun 09 j 20:38	13°♄35'34			-10977 Jul 12 j 22:20	15°♄	
retrograde	-10983 Sep 15 j 17:06	20°♄21'09					
opposition	-10983 Nov 23 j 11:17	17°♄05'23	-0°36'35	conjunction	-10977 Jul 27 j 19:29	16°♄42'50	1°49'54
min. Earth dist.	-10983 Nov 23 j 16:59	17°♄04'20	9.14335 AU	minimum elong	-10977 Jul 27 j 19:26	16°♄42'50	1°50'18
direct	-10982 Feb 03 j 03:55	13°♄43'08		max. Earth dist.	-10977 Jul 26 j 17:01	16°♄35'10	11.21974 AU
evening set	-10982 May 18 j 04:07	20°♄47'18		morning rise	-10977 Aug 13 j 04:23	18°♄35'57	
				retrograde	-10977 Nov 20 j 22:41	25°♄25'36	
conjunction	-10982 Jun 04 j 06:20	22°♄44'35	-0°15'36	opposition	-10976 Jan 30 j 15:09	22°♄09'10	2°24'44
minimum elong	-10982 Jun 04 j 06:20	22°♄44'35	0°15'44	min. Earth dist.	-10976 Jan 31 j 14:41	22°♄04'53	9.18302 AU
behind sun begin	-10982 Jun 04 j 04:48	22°♄44'09		direct	-10976 Apr 11 j 06:14	18°♄50'08	
behind sun end	-10982 Jun 04 j 07:53	22°♄45'01		evening set	-10976 Jul 21 j 09:33	25°♄46'52	
max. Earth dist.	-10982 Jun 03 j 20:30	22°♄41'46	11.18785 AU				
morning rise	-10982 Jun 21 j 03:40	24°♄40'29		conjunction	-10976 Aug 06 j 18:33	27°♄41'02	2°06'43
	-10982 Aug 17 j 02:37	0°Υ		minimum elong	-10976 Aug 06 j 18:30	27°♄41'01	2°07'11
retrograde	-10982 Sep 26 j 18:25	1°Υ21'17		max. Earth dist.	-10976 Aug 05 j 15:07	27°♄33'00	11.13652 AU
	-10982 Nov 07 j 14:31	30°♄♄		morning rise	-10976 Aug 23 j 02:36	29°♄35'06	
opposition	-10982 Dec 05 j 00:05	28°♄06'16	-0°02'13		-10976 Aug 26 j 17:57	0°♄	
min. Earth dist.	-10982 Dec 05 j 09:57	28°♄04'27	9.22489 AU	retrograde	-10976 Dec 01 j 19:18	6°♄32'40	
asc. node	-10982 Dec 28 j 23:56	26°♄24'54		opposition	-10975 Feb 10 j 13:48	3°♄15'05	2°42'57
direct	-10981 Feb 14 j 23:59	24°♄44'58		min. Earth dist.	-10975 Feb 11 j 14:08	3°♄10'37	9.08655 AU
	-10981 May 13 j 13:35	0°Υ			-10975 Apr 13 j 13:53	30°♄♄	
evening set	-10981 May 29 j 11:13	1°Υ43'45		direct	-10975 Apr 22 j 16:58	29°♄55'58	
					-10975 May 01 j 19:52	0°♄	
conjunction	-10981 Jun 15 j 09:57	3°Υ39'24	0°12'34	evening set	-10975 Aug 01 j 14:22	6°♄57'13	
minimum elong	-10981 Jun 15 j 09:56	3°Υ39'24	0°12'33				
behind sun begin	-10981 Jun 15 j 05:23	3°Υ38'07		conjunction	-10975 Aug 17 j 22:25	8°♄52'36	2°19'01
behind sun end	-10981 Jun 15 j 14:29	3°Υ40'41		minimum elong	-10975 Aug 17 j 22:23	8°♄52'36	2°19'34
max. Earth dist.	-10981 Jun 14 j 19:38	3°Υ35'19	11.25501 AU	max. Earth dist.	-10975 Aug 16 j 17:59	8°♄44'10	11.02728 AU
morning rise	-10981 Jul 02 j 04:07	5°Υ33'50		morning rise	-10975 Sep 03 j 06:44	10°♄48'12	
retrograde	-10981 Oct 07 j 21:16	12°Υ12'05		retrograde	-10975 Dec 13 j 23:14	17°♄55'35	
opposition	-10981 Dec 16 j 10:52	8°Υ57'28	0°31'43	opposition	-10974 Feb 22 j 19:19	14°♄36'35	2°55'21
min. Earth dist.	-10981 Dec 17 j 00:06	8°Υ55'02	9.27757 AU	min. Earth dist.	-10974 Feb 23 j 19:57	14°♄32'01	8.96554 AU
direct	-10980 Feb 26 j 16:04	5°Υ36'58		direct	-10974 May 04 j 09:26	11°♄17'11	
evening set	-10980 Jun 08 j 13:19	12°Υ31'58		evening set	-10974 Aug 13 j 00:48	18°♄24'24	
				max. Earth dist.	-10974 Aug 28 j 05:30	20°♄13'19	10.89559 AU
conjunction	-10980 Jun 25 j 08:40	14°Υ26'25	0°39'56				
minimum elong	-10980 Jun 25 j 08:39	14°Υ26'24	0°40'02	conjunction	-10974 Aug 29 j 09:03	20°♄21'37	2°26'06

Attention, astronomical year style is used: The year -10974 in astronomical counting style is the year 10975 BCE in historical counting style.

minimum elong	-10974 Aug 29 j 09:02	20° Π 21'36	2°26'41	minimum elong	-10968 Nov 14 j 00:06	8° Π 07'47	0°52'05
morning rise	-10974 Sep 14 j 18:42	22° Π 19'20		max. Earth dist.	-10968 Nov 14 j 01:17	8° Π 08'10	9.97363 AU
retrograde	-10974 Dec 26 j 14:24	29° Π 38'13		morning rise	-10968 Dec 01 j 16:10	10° Π 27'31	
opposition	-10973 Mar 07 j 08:44	26° Π 17'34	3°01'00	retrograde	-10967 Mar 20 j 03:52	19° Π 03'47	
min. Earth dist.	-10973 Mar 08 j 07:58	26° Π 13'13	8.82414 AU	opposition	-10967 May 27 j 16:24	15° Π 32'32	0°42'20
direct	-10973 May 16 j 08:31	22° Π 57'44		min. Earth dist.	-10967 May 27 j 12:43	15° Π 33'17	7.91759 AU
	-10973 Aug 23 j 01:53	0° \mathfrak{D}		direct	-10967 Aug 01 j 15:48	12° Π 06'58	
evening set	-10973 Aug 24 j 18:54	0° \mathfrak{D} 12'14		evening set	-10967 Nov 11 j 09:23	20° Π 18'45	
max. Earth dist.	-10973 Sep 09 j 04:02	2° \mathfrak{D} 04'18	10.74612 AU				
conjunction	-10973 Sep 10 j 04:44	2° \mathfrak{D} 11'52	2°27'14	conjunction	-10967 Nov 29 j 01:50	22° Π 39'59	0°15'53
minimum elong	-10973 Sep 10 j 04:45	2° \mathfrak{D} 11'52	2°27'51	minimum elong	-10967 Nov 29 j 01:51	22° Π 40'00	0°16'00
morning rise	-10973 Sep 26 j 16:48	4° \mathfrak{D} 12'18		max. Earth dist.	-10967 Nov 29 j 10:33	22° Π 42'54	9.87027 AU
retrograde	-10972 Jan 08 j 16:34	11° \mathfrak{D} 44'01		morning rise	-10967 Dec 16 j 23:50	25° Π 03'04	
opposition	-10972 Mar 19 j 06:44	8° \mathfrak{D} 21'33	2°59'00		-10966 Jan 27 j 10:00	0° \mathfrak{D}	
min. Earth dist.	-10972 Mar 20 j 02:56	8° \mathfrak{D} 17'44	8.66765 AU	retrograde	-10966 Apr 04 j 16:27	3° \mathfrak{D} 46'50	
direct	-10972 May 27 j 13:33	5° \mathfrak{D} 01'07		desc. node	-10966 May 09 j 04:02	2° \mathfrak{D} 44'02	
evening set	-10972 Sep 04 j 22:20	12° \mathfrak{D} 24'06		opposition	-10966 Jun 11 j 16:02	0° \mathfrak{D} 14'35	-0°04'13
conjunction	-10972 Sep 21 j 11:00	14° \mathfrak{D} 26'43	2°21'48	min. Earth dist.	-10966 Jun 11 j 06:27	0° \mathfrak{D} 16'34	7.83136 AU
minimum elong	-10972 Sep 21 j 11:02	14° \mathfrak{D} 26'43	2°22'25		-10966 Jun 14 j 14:29	30° \mathfrak{R} Π	
max. Earth dist.	-10972 Sep 20 j 13:45	14° \mathfrak{D} 20'06	10.58476 AU	direct	-10966 Aug 16 j 06:21	26° Π 47'53	
morning rise	-10972 Oct 08 j 02:47	16° \mathfrak{D} 30'26			-10966 Oct 14 j 14:32	0° \mathfrak{D}	
retrograde	-10971 Jan 21 j 07:02	24° \mathfrak{D} 15'55		evening set	-10966 Nov 26 j 17:14	5° \mathfrak{D} 07'33	
opposition	-10971 Apr 01 j 14:19	20° \mathfrak{D} 51'34	2°48'35	conjunction	-10966 Dec 14 j 14:58	7° \mathfrak{D} 31'22	-0°21'50
min. Earth dist.	-10971 Apr 02 j 06:36	20° \mathfrak{D} 48'26	8.50253 AU	minimum elong	-10966 Dec 14 j 14:56	7° \mathfrak{D} 31'21	0°21'52
direct	-10971 Jun 09 j 03:37	17° \mathfrak{D} 30'21		max. Earth dist.	-10966 Dec 15 j 06:58	7° \mathfrak{D} 36'45	9.80259 AU
evening set	-10971 Sep 17 j 12:43	25° \mathfrak{D} 02'43		morning rise	-10965 Jan 01 j 17:36	9° \mathfrak{D} 56'47	
max. Earth dist.	-10971 Oct 03 j 11:53	27° \mathfrak{D} 03'17	10.41860 AU	retrograde	-10965 Apr 20 j 07:02	18° \mathfrak{D} 44'07	
conjunction	-10971 Oct 04 j 05:20	27° \mathfrak{D} 08'49	2°09'24	opposition	-10965 Jun 26 j 18:19	15° \mathfrak{D} 11'21	-0°51'17
minimum elong	-10971 Oct 04 j 05:23	27° \mathfrak{D} 08'50	2°09'58	min. Earth dist.	-10965 Jun 26 j 03:19	15° \mathfrak{D} 14'29	7.78452 AU
morning rise	-10971 Oct 21 j 02:10	29° \mathfrak{D} 16'20		direct	-10965 Aug 31 j 03:59	11° \mathfrak{D} 43'36	
	-10971 Oct 27 j 00:00	0° \mathfrak{D}		evening set	-10965 Dec 12 j 10:36	20° \mathfrak{D} 08'54	
retrograde	-10970 Feb 04 j 09:35	7° \mathfrak{D} 15'57		conjunction	-10965 Dec 30 j 12:05	22° \mathfrak{D} 34'06	-0°58'24
opposition	-10970 Apr 15 j 07:45	3° \mathfrak{D} 49'40	2°29'18	minimum elong	-10965 Dec 30 j 12:02	22° \mathfrak{D} 34'05	0°58'35
min. Earth dist.	-10970 Apr 15 j 19:44	3° \mathfrak{D} 47'20	8.33651 AU	max. Earth dist.	-10965 Dec 31 j 10:27	22° \mathfrak{D} 41'38	9.77690 AU
direct	-10970 Jun 22 j 02:25	0° \mathfrak{D} 27'32		morning rise	-10964 Jan 17 j 17:29	25° \mathfrak{D} 00'33	
evening set	-10970 Sep 30 j 15:32	8° \mathfrak{D} 09'52			-10964 Feb 28 j 05:32	0° \mathfrak{M}	
conjunction	-10970 Oct 17 j 13:17	10° \mathfrak{D} 19'49	1°49'55	retrograde	-10964 May 04 j 19:25	3° \mathfrak{M} 46'53	
minimum elong	-10970 Oct 17 j 13:21	10° \mathfrak{D} 19'50	1°50'25	opposition	-10964 Jul 10 j 20:05	0° \mathfrak{M} 14'08	-1°35'06
max. Earth dist.	-10970 Oct 17 j 00:53	10° \mathfrak{D} 15'49	10.25578 AU	min. Earth dist.	-10964 Jul 10 j 00:58	0° \mathfrak{M} 18'09	7.78167 AU
morning rise	-10970 Nov 03 j 16:14	12° \mathfrak{D} 31'28			-10964 Jul 13 j 15:17	30° \mathfrak{R} \mathfrak{D}	
	-10970 Nov 24 j 00:01	15° \mathfrak{D}		direct	-10964 Sep 14 j 06:34	26° \mathfrak{D} 45'27	
retrograde	-10969 Feb 18 j 23:06	20° \mathfrak{D} 44'49			-10964 Nov 13 j 07:34	0° \mathfrak{M}	
opposition	-10969 Apr 29 j 10:36	17° \mathfrak{D} 16'40	2°01'11	evening set	-10964 Dec 27 j 09:03	5° \mathfrak{M} 13'25	
min. Earth dist.	-10969 Apr 29 j 17:56	17° \mathfrak{D} 15'13	8.17812 AU	conjunction	-10963 Jan 14 j 12:37	7° \mathfrak{M} 38'40	-1°31'01
	-10969 May 30 j 22:32	15° \mathfrak{R} \mathfrak{D}		minimum elong	-10963 Jan 14 j 12:32	7° \mathfrak{M} 38'39	1°31'22
direct	-10969 Jul 05 j 11:42	13° \mathfrak{D} 53'28		max. Earth dist.	-10963 Jan 15 j 15:57	7° \mathfrak{M} 47'51	9.79606 AU
	-10969 Aug 09 j 06:03	15° \mathfrak{D}		morning rise	-10963 Feb 01 j 18:51	10° \mathfrak{M} 04'43	
evening set	-10969 Oct 14 j 07:44	21° \mathfrak{D} 46'01			-10963 Mar 14 j 20:27	15° \mathfrak{M}	
conjunction	-10969 Oct 31 j 11:35	23° \mathfrak{D} 59'58	1°23'44	retrograde	-10963 May 20 j 01:51	18° \mathfrak{M} 45'29	
minimum elong	-10969 Oct 31 j 11:39	24° \mathfrak{D} 00'00	1°24'07	opposition	-10963 Jul 25 j 18:25	15° \mathfrak{M} 13'17	-2°12'10
max. Earth dist.	-10969 Oct 31 j 05:38	23° \mathfrak{D} 58'01	10.10474 AU	min. Earth dist.	-10963 Jul 24 j 20:37	15° \mathfrak{M} 17'52	7.82349 AU
morning rise	-10969 Nov 17 j 21:10	26° \mathfrak{D} 15'48			-10963 Jul 28 j 09:30	15° \mathfrak{R} \mathfrak{M}	
	-10969 Dec 18 j 22:02	0° \mathfrak{M}		direct	-10963 Sep 29 j 11:55	11° \mathfrak{M} 43'53	
retrograde	-10968 Mar 04 j 21:34	4° \mathfrak{M} 41'39			-10963 Nov 29 j 05:10	15° \mathfrak{M}	
opposition	-10968 May 12 j 21:59	1° \mathfrak{M} 11'48	1°24'59	evening set	-10962 Jan 12 j 07:33	20° \mathfrak{M} 11'09	
min. Earth dist.	-10968 May 12 j 24:00	1° \mathfrak{M} 11'24	8.03583 AU	conjunction	-10962 Jan 30 j 11:36	22° \mathfrak{M} 35'13	-1°57'16
	-10968 May 28 j 01:55	30° \mathfrak{R} \mathfrak{D}		minimum elong	-10962 Jan 30 j 11:31	22° \mathfrak{M} 35'12	1°57'43
direct	-10968 Jul 18 j 09:09	27° \mathfrak{D} 47'25		max. Earth dist.	-10962 Jan 31 j 17:53	22° \mathfrak{M} 45'18	9.85880 AU
	-10968 Sep 05 j 13:34	0° \mathfrak{M}		morning rise	-10962 Feb 17 j 16:56	24° \mathfrak{M} 59'35	
evening set	-10968 Oct 27 j 13:46	5° \mathfrak{M} 49'56			-10962 Apr 01 j 02:49	0° \mathfrak{X}	
conjunction	-10968 Nov 14 j 00:03	8° \mathfrak{M} 07'46	0°51'49	retrograde	-10962 Jun 03 j 21:50	3° \mathfrak{X} 30'41	
				min. Earth dist.	-10962 Aug 08 j 11:37	0° \mathfrak{X} 04'21	7.90663 AU
				opposition	-10962 Aug 09 j 10:28	29° \mathfrak{M} 59'33	-2°39'48

Attention, astronomical year style is used: The year -10962 in astronomical counting style is the year 10963 BCE in historical counting style.

	-10962 Aug 09 j 08:20	30° \mathbb{R} \mathbb{M}		direct	-10955 Jan 04 j 14:54	16° \approx 03'35	
direct	-10962 Oct 14 j 15:49	26° \mathbb{M} 29'45		evening set	-10955 Apr 19 j 19:39	23° \approx 27'16	
	-10962 Dec 17 j 08:21	0° \mathbb{X}					
evening set	-10961 Jan 28 j 01:24	4° \mathbb{X} 52'59		conjunction	-10955 May 07 j 06:25	25° \approx 30'05	-1°21'31
				minimum elong	-10955 May 07 j 06:28	25° \approx 30'06	1°21'54
conjunction	-10961 Feb 15 j 04:33	7° \mathbb{X} 14'50	-2°15'25	max. Earth dist.	-10955 May 07 j 11:56	25° \approx 31'43	10.90282 AU
minimum elong	-10961 Feb 15 j 04:30	7° \mathbb{X} 14'49	2°15'58	morning rise	-10955 May 24 j 12:02	27° \approx 31'23	
max. Earth dist.	-10961 Feb 16 j 11:24	7° \mathbb{X} 24'57	9.96020 AU		-10955 Jun 15 j 22:20	0° \mathbb{H}	
morning rise	-10961 Mar 05 j 07:35	9° \mathbb{X} 36'29		retrograde	-10955 Aug 30 j 20:45	4° \mathbb{H} 27'43	
retrograde	-10961 Jun 18 j 05:26	17° \mathbb{X} 54'47		opposition	-10955 Nov 07 j 02:42	1° \mathbb{H} 09'44	-1°24'32
opposition	-10961 Aug 23 j 17:59	14° \mathbb{X} 25'11	-2°56'31	min. Earth dist.	-10955 Nov 07 j 00:09	1° \mathbb{H} 10'13	8.97250 AU
min. Earth dist.	-10961 Aug 22 j 19:25	14° \mathbb{X} 29'53	8.02469 AU		-10955 Nov 22 j 16:31	30° \mathbb{R} \approx	
direct	-10961 Oct 29 j 14:47	10° \mathbb{X} 55'20		direct	-10954 Jan 17 j 05:46	27° \approx 45'26	
evening set	-10960 Feb 12 j 10:01	19° \mathbb{X} 11'32			-10954 Mar 12 j 13:41	0° \mathbb{H}	
				evening set	-10954 May 01 j 21:56	5° \mathbb{H} 00'00	
conjunction	-10960 Mar 01 j 11:21	21° \mathbb{X} 30'28	-2°24'46				
minimum elong	-10960 Mar 01 j 11:19	21° \mathbb{X} 30'28	2°25'22	conjunction	-10954 May 19 j 05:20	7° \mathbb{H} 00'16	-0°55'28
max. Earth dist.	-10960 Mar 02 j 16:48	21° \mathbb{X} 39'59	10.09273 AU	minimum elong	-10954 May 19 j 05:22	7° \mathbb{H} 00'17	0°55'45
morning rise	-10960 Mar 19 j 11:12	23° \mathbb{X} 48'47		max. Earth dist.	-10954 May 19 j 05:02	7° \mathbb{H} 00'11	11.03776 AU
	-10960 May 16 j 06:07	0° \mathbb{Z}		morning rise	-10954 Jun 05 j 07:31	8° \mathbb{H} 59'02	
retrograde	-10960 Jul 01 j 00:35	1° \mathbb{Z} 52'23		retrograde	-10954 Sep 11 j 05:57	15° \mathbb{H} 47'15	
	-10960 Aug 16 j 14:00	30° \mathbb{R} \mathbb{X}		opposition	-10954 Nov 18 j 20:48	12° \mathbb{H} 30'42	-0°51'25
opposition	-10960 Sep 05 j 15:48	28° \mathbb{X} 24'36	-3°02'03	min. Earth dist.	-10954 Nov 18 j 22:15	12° \mathbb{H} 30'26	9.09640 AU
min. Earth dist.	-10960 Sep 04 j 18:12	28° \mathbb{X} 29'02	8.16925 AU	direct	-10953 Jan 29 j 10:49	9° \mathbb{H} 07'46	
direct	-10960 Nov 12 j 06:06	24° \mathbb{X} 55'03		evening set	-10953 May 13 j 14:51	16° \mathbb{H} 14'33	
	-10959 Jan 31 j 15:31	0° \mathbb{Z}					
evening set	-10959 Feb 26 j 06:06	3° \mathbb{Z} 01'57		conjunction	-10953 May 30 j 18:49	18° \mathbb{H} 12'38	-0°27'50
				minimum elong	-10953 May 30 j 18:50	18° \mathbb{H} 12'39	0°28'01
conjunction	-10959 Mar 16 j 05:05	5° \mathbb{Z} 17'36	-2°25'25	max. Earth dist.	-10953 May 30 j 13:54	18° \mathbb{H} 11'13	11.14972 AU
minimum elong	-10959 Mar 16 j 05:06	5° \mathbb{Z} 17'36	2°26'02	morning rise	-10953 Jun 16 j 17:29	20° \mathbb{H} 09'16	
max. Earth dist.	-10959 Mar 17 j 07:54	5° \mathbb{Z} 26'06	10.24734 AU	retrograde	-10953 Sep 22 j 10:10	26° \mathbb{H} 51'38	
morning rise	-10959 Apr 03 j 01:20	7° \mathbb{Z} 32'15		opposition	-10953 Nov 30 j 10:46	23° \mathbb{H} 36'13	-0°17'09
retrograde	-10959 Jul 14 j 07:41	15° \mathbb{Z} 20'26		min. Earth dist.	-10953 Nov 30 j 17:04	23° \mathbb{H} 35'03	9.19554 AU
min. Earth dist.	-10959 Sep 18 j 07:35	11° \mathbb{Z} 58'37	8.33087 AU	direct	-10952 Feb 10 j 07:47	20° \mathbb{H} 14'31	
opposition	-10959 Sep 19 j 03:09	11° \mathbb{Z} 54'39	-2°57'10	evening set	-10952 May 24 j 00:28	27° \mathbb{H} 15'08	
direct	-10959 Nov 26 j 11:55	8° \mathbb{Z} 25'45		asc. node	-10952 Jun 05 j 02:23	28° \mathbb{H} 37'26	
evening set	-10958 Mar 12 j 12:25	16° \mathbb{Z} 21'58					
				conjunction	-10952 Jun 10 j 00:50	29° \mathbb{H} 11'23	0°00'23
conjunction	-10958 Mar 30 j 08:43	18° \mathbb{Z} 34'12	-2°18'10	minimum elong	-10952 Jun 10 j 00:48	29° \mathbb{H} 11'23	0°00'18
minimum elong	-10958 Mar 30 j 08:45	18° \mathbb{Z} 34'13	2°18'45	behind sun begin	-10952 Jun 09 j 17:49	29° \mathbb{H} 09'24	
max. Earth dist.	-10958 Mar 31 j 07:45	18° \mathbb{Z} 41'22	10.41437 AU	behind sun end	-10952 Jun 10 j 07:47	29° \mathbb{H} 13'21	
morning rise	-10958 Apr 17 j 01:10	20° \mathbb{Z} 45'10		max. Earth dist.	-10952 Jun 09 j 14:27	29° \mathbb{H} 08'26	11.23504 AU
retrograde	-10958 Jul 27 j 02:11	28° \mathbb{Z} 18'12			-10952 Jun 17 j 02:26	0° \mathbb{Y}	
min. Earth dist.	-10958 Oct 01 j 11:52	24° \mathbb{Z} 57'46	8.50013 AU	morning rise	-10952 Jun 26 j 20:15	1° \mathbb{Y} 06'19	
opposition	-10958 Oct 02 j 04:11	24° \mathbb{Z} 54'31	-2°43'15	retrograde	-10952 Oct 02 j 12:15	7° \mathbb{Y} 45'03	
direct	-10958 Dec 10 j 07:46	21° \mathbb{Z} 26'31		opposition	-10952 Dec 10 j 21:56	4° \mathbb{Y} 30'27	0°17'06
evening set	-10957 Mar 26 j 04:22	29° \mathbb{Z} 11'32		min. Earth dist.	-10952 Dec 11 j 09:13	4° \mathbb{Y} 28'22	9.26681 AU
	-10957 Apr 01 j 21:29	0° \approx		direct	-10951 Feb 21 j 00:16	1° \mathbb{Y} 09'49	
				evening set	-10951 Jun 04 j 04:29	8° \mathbb{Y} 05'55	
conjunction	-10957 Apr 12 j 21:43	1° \approx 20'25	-2°04'11	max. Earth dist.	-10951 Jun 20 j 09:17	9° \mathbb{Y} 56'11	11.29111 AU
minimum elong	-10957 Apr 12 j 21:46	1° \approx 20'26	2°04'44				
max. Earth dist.	-10957 Apr 13 j 16:01	1° \approx 26'00	10.58460 AU	conjunction	-10951 Jun 21 j 01:11	10° \mathbb{Y} 00'44	0°28'12
morning rise	-10957 Apr 30 j 10:20	3° \approx 27'51		minimum elong	-10951 Jun 21 j 01:10	10° \mathbb{Y} 00'43	0°28'15
retrograde	-10957 Aug 08 j 10:08	10° \approx 46'52		morning rise	-10951 Jul 07 j 17:43	11° \mathbb{Y} 54'24	
opposition	-10957 Oct 14 j 19:53	7° \approx 25'14	-2°22'01	retrograde	-10951 Oct 13 j 12:09	18° \mathbb{Y} 31'44	
min. Earth dist.	-10957 Oct 14 j 08:06	7° \approx 27'33	8.66839 AU	opposition	-10951 Dec 22 j 07:53	15° \mathbb{Y} 17'31	0°50'21
direct	-10957 Dec 23 j 16:32	3° \approx 58'22		min. Earth dist.	-10951 Dec 22 j 23:02	15° \mathbb{Y} 14'46	9.30786 AU
evening set	-10956 Apr 07 j 06:18	11° \approx 32'19		direct	-10950 Mar 04 j 12:32	11° \mathbb{Y} 57'47	
				evening set	-10950 Jun 15 j 04:38	18° \mathbb{Y} 51'01	
conjunction	-10956 Apr 24 j 20:25	13° \approx 38'02	-1°44'51				
minimum elong	-10956 Apr 24 j 20:28	13° \approx 38'03	1°45'20	conjunction	-10950 Jul 01 j 21:58	20° \mathbb{Y} 44'49	0°54'48
max. Earth dist.	-10956 Apr 25 j 08:43	13° \approx 41'44	10.74977 AU	minimum elong	-10950 Jul 01 j 21:56	20° \mathbb{Y} 44'48	0°54'59
	-10956 May 06 j 06:29	15° \approx		max. Earth dist.	-10950 Jul 01 j 02:25	20° \mathbb{Y} 39'14	11.31607 AU
morning rise	-10956 May 12 j 05:27	15° \approx 42'13		morning rise	-10950 Jul 18 j 11:39	22° \mathbb{Y} 37'40	
retrograde	-10956 Aug 19 j 08:10	22° \approx 48'54		retrograde	-10950 Oct 24 j 16:07	29° \mathbb{Y} 15'49	
opposition	-10956 Oct 26 j 03:02	19° \approx 29'12	-1°55'14	opposition	-10949 Jan 02 j 18:11	26° \mathbb{Y} 01'36	1°21'41
min. Earth dist.	-10956 Oct 25 j 20:06	19° \approx 30'33	8.82803 AU	min. Earth dist.	-10949 Jan 03 j 12:04	25° \mathbb{Y} 58'21	9.31721 AU

Attention, astronomical year style is used: The year -10949 in astronomical counting style is the year 10950 BCE in historical counting style.

direct	-10949 Mar 15 j 23:23	22° Υ 42'33		min. Earth dist.	-10943 Mar 14 j 21:47	3° Θ 10'23	8.74521 AU
evening set	-10949 Jun 26 j 02:46	29° Υ 34'33			-10943 May 12 j 07:20	30° \mathbb{R} II	
	-10949 Jun 29 j 21:15	0° \mathcal{B}		direct	-10943 May 22 j 12:28	29° \mathbb{I} 54'39	
					-10943 Jun 01 j 17:52	0° \mathcal{B}	
conjunction	-10949 Jul 12 j 17:04	1° \mathcal{B} 27'47	1°19'27	evening set	-10943 Aug 30 j 23:00	7° \mathcal{B} 13'27	
minimum elong	-10949 Jul 12 j 17:01	1° \mathcal{B} 27'46	1°19'44	max. Earth dist.	-10943 Sep 15 j 08:31	9° \mathcal{B} 06'41	10.66128 AU
max. Earth dist.	-10949 Jul 11 j 18:41	1° \mathcal{B} 21'22	11.30895 AU				
morning rise	-10949 Jul 29 j 04:14	3° \mathcal{B} 20'16		conjunction	-10943 Sep 16 j 10:03	9° \mathcal{B} 14'34	2°25'06
retrograde	-10949 Nov 04 j 21:18	10° \mathcal{B} 01'19		minimum elong	-10943 Sep 16 j 10:04	9° \mathcal{B} 14'35	2°25'43
opposition	-10948 Jan 14 j 06:16	6° \mathcal{B} 46'43	1°50'14	morning rise	-10943 Oct 03 j 00:04	11° \mathcal{B} 16'42	
min. Earth dist.	-10948 Jan 15 j 03:14	6° \mathcal{B} 42'55	9.29433 AU	retrograde	-10942 Jan 15 j 14:17	18° \mathcal{B} 55'39	
direct	-10948 Mar 26 j 05:53	3° \mathcal{B} 28'07		opposition	-10942 Mar 27 j 01:49	15° \mathcal{B} 32'06	2°54'21
evening set	-10948 Jul 06 j 00:36	10° \mathcal{B} 20'33		min. Earth dist.	-10942 Mar 27 j 22:09	15° \mathcal{B} 28'14	8.57725 AU
max. Earth dist.	-10948 Jul 21 j 10:10	12° \mathcal{B} 06'13	11.26956 AU	direct	-10942 Jun 03 j 23:39	12° \mathcal{B} 11'04	
				evening set	-10942 Sep 12 j 07:48	19° \mathcal{B} 38'59	
conjunction	-10948 Jul 22 j 12:08	12° \mathcal{B} 13'42	1°41'23	conjunction	-10942 Sep 28 j 22:27	21° \mathcal{B} 43'28	2°15'52
minimum elong	-10948 Jul 22 j 12:05	12° \mathcal{B} 13'41	1°41'45	minimum elong	-10942 Sep 28 j 22:30	21° \mathcal{B} 43'29	2°16'27
morning rise	-10948 Aug 07 j 21:32	14° \mathcal{B} 06'22		max. Earth dist.	-10942 Sep 28 j 01:30	21° \mathcal{B} 36'52	10.49052 AU
	-10948 Aug 15 j 22:05	15° \mathcal{B}		morning rise	-10942 Oct 15 j 16:56	23° \mathcal{B} 49'14	
retrograde	-10948 Nov 15 j 06:57	20° \mathcal{B} 52'24			-10942 Dec 14 j 20:01	0° \mathcal{Q}	
opposition	-10947 Jan 24 j 21:33	17° \mathcal{B} 37'05	2°15'09	retrograde	-10941 Jan 29 j 10:52	1° \mathcal{Q} 42'25	
min. Earth dist.	-10947 Jan 25 j 21:40	17° \mathcal{B} 32'42	9.23925 AU		-10941 Mar 17 j 07:13	30° \mathbb{R} \mathcal{B}	
	-10947 Mar 07 j 12:54	15° \mathcal{R} \mathcal{B}		opposition	-10941 Apr 09 j 14:37	28° \mathcal{B} 16'42	2°39'07
direct	-10947 Apr 06 j 15:10	14° \mathcal{B} 18'37		min. Earth dist.	-10941 Apr 10 j 06:33	28° \mathcal{B} 13'37	8.40484 AU
	-10947 May 06 j 05:54	15° \mathcal{B}		direct	-10941 Jun 16 j 19:02	24° \mathcal{B} 54'36	
evening set	-10947 Jul 16 j 23:54	21° \mathcal{B} 13'16			-10941 Sep 04 j 01:20	0° \mathcal{Q}	
max. Earth dist.	-10947 Aug 01 j 04:44	22° \mathcal{B} 58'32	11.19845 AU	evening set	-10941 Sep 25 j 04:36	2° \mathcal{Q} 32'27	
				max. Earth dist.	-10941 Oct 11 j 08:48	4° \mathcal{Q} 35'49	10.31937 AU
conjunction	-10947 Aug 02 j 09:17	23° \mathcal{B} 06'51	1°59'53	conjunction	-10941 Oct 12 j 00:05	4° \mathcal{Q} 40'43	1°59'34
minimum elong	-10947 Aug 02 j 09:14	23° \mathcal{B} 06'50	2°00'20	minimum elong	-10941 Oct 12 j 00:09	4° \mathcal{Q} 40'44	2°00'05
morning rise	-10947 Aug 18 j 17:37	25° \mathcal{B} 00'13		morning rise	-10941 Oct 29 j 00:06	6° \mathcal{Q} 50'32	
	-10947 Oct 08 j 20:33	0° \mathbb{I}		retrograde	-10940 Feb 12 j 19:15	14° \mathcal{Q} 57'57	
retrograde	-10947 Nov 26 j 23:18	1° \mathbb{I} 53'21		opposition	-10940 Apr 22 j 12:55	11° \mathcal{Q} 30'09	2°14'57
	-10946 Jan 17 j 02:51	30° \mathbb{R} \mathcal{B}		min. Earth dist.	-10940 Apr 22 j 23:13	11° \mathcal{Q} 28'07	8.23639 AU
opposition	-10946 Feb 05 j 17:24	28° \mathcal{B} 36'56	2°35'35	direct	-10940 Jun 28 j 23:26	8° \mathcal{Q} 06'53	
min. Earth dist.	-10946 Feb 06 j 18:54	28° \mathcal{B} 32'18	9.15314 AU		-10940 Sep 30 j 07:30	15° \mathcal{Q}	
direct	-10946 Apr 18 j 02:09	25° \mathcal{B} 18'26		evening set	-10940 Oct 07 j 14:31	15° \mathcal{Q} 55'10	
	-10946 Jul 07 j 09:47	0° \mathbb{I}		conjunction	-10940 Oct 24 j 15:43	18° \mathcal{Q} 07'28	1°36'18
evening set	-10946 Jul 28 j 02:22	2° \mathbb{I} 16'56		minimum elong	-10940 Oct 24 j 15:47	18° \mathcal{Q} 07'29	1°36'44
max. Earth dist.	-10946 Aug 12 j 05:48	4° \mathbb{I} 03'02	11.09775 AU	max. Earth dist.	-10940 Oct 24 j 06:24	18° \mathcal{Q} 04'26	10.15665 AU
				morning rise	-10940 Nov 10 j 22:09	20° \mathcal{Q} 21'33	
conjunction	-10946 Aug 13 j 10:38	4° \mathbb{I} 11'32	2°14'14	retrograde	-10939 Feb 26 j 14:35	28° \mathcal{Q} 42'28	
minimum elong	-10946 Aug 13 j 10:35	4° \mathbb{I} 11'31	2°14'45	opposition	-10939 May 06 j 20:39	25° \mathcal{Q} 12'44	1°42'14
morning rise	-10946 Aug 29 j 18:36	6° \mathbb{I} 06'11		min. Earth dist.	-10939 May 07 j 01:02	25° \mathcal{Q} 11'51	8.08105 AU
retrograde	-10946 Dec 08 j 23:58	13° \mathbb{I} 08'26		direct	-10939 Jul 12 j 14:33	21° \mathcal{Q} 48'17	
opposition	-10945 Feb 17 j 19:29	9° \mathbb{I} 50'36	2°50'38	evening set	-10939 Oct 21 j 14:18	29° \mathcal{Q} 46'56	
min. Earth dist.	-10945 Feb 18 j 20:42	9° \mathbb{I} 45'58	9.03904 AU		-10939 Oct 23 j 06:35	0° \mathbb{P}	
direct	-10945 Apr 29 j 16:40	6° \mathbb{I} 31'48		conjunction	-10939 Nov 07 j 21:44	2° \mathbb{P} 03'18	1°06'46
evening set	-10945 Aug 08 j 09:48	13° \mathbb{I} 35'42		minimum elong	-10939 Nov 07 j 21:47	2° \mathbb{P} 03'19	1°07'05
				max. Earth dist.	-10939 Nov 07 j 19:09	2° \mathbb{P} 02'26	10.01166 AU
conjunction	-10945 Aug 24 j 17:54	15° \mathbb{I} 31'53	2°23'42	morning rise	-10939 Nov 25 j 10:57	4° \mathbb{P} 21'33	
minimum elong	-10945 Aug 24 j 17:52	15° \mathbb{I} 31'53	2°24'16	retrograde	-10938 Mar 13 j 19:02	12° \mathbb{P} 54'14	
max. Earth dist.	-10945 Aug 23 j 13:32	15° \mathbb{I} 23'25	10.97124 AU	opposition	-10938 May 21 j 12:33	9° \mathbb{P} 22'53	1°02'09
morning rise	-10945 Sep 10 j 02:35	17° \mathbb{I} 28'25		min. Earth dist.	-10938 May 21 j 11:01	9° \mathbb{P} 23'12	7.94827 AU
retrograde	-10945 Dec 21 j 11:14	24° \mathbb{I} 41'31		direct	-10938 Jul 26 j 16:10	5° \mathbb{P} 57'12	
opposition	-10944 Mar 01 j 04:57	21° \mathbb{I} 21'59	2°59'23	evening set	-10938 Nov 05 j 04:14	14° \mathbb{P} 05'42	
min. Earth dist.	-10944 Mar 02 j 05:14	21° \mathbb{I} 17'29	8.90128 AU	conjunction	-10938 Nov 22 j 17:58	16° \mathbb{P} 25'45	0°32'20
direct	-10944 May 10 j 11:43	18° \mathbb{I} 02'40		minimum elong	-10938 Nov 22 j 18:00	16° \mathbb{P} 25'45	0°32'32
evening set	-10944 Aug 19 j 00:12	25° \mathbb{I} 13'22		max. Earth dist.	-10938 Nov 22 j 22:40	16° \mathbb{P} 27'19	9.89356 AU
max. Earth dist.	-10944 Sep 03 j 05:09	27° \mathbb{I} 03'14	10.82380 AU	morning rise	-10938 Dec 10 j 13:39	18° \mathbb{P} 47'43	
				retrograde	-10937 Mar 29 j 06:06	27° \mathbb{P} 29'21	
conjunction	-10944 Sep 04 j 09:06	27° \mathbb{I} 11'43	2°27'32	opposition	-10937 Jun 05 j 10:32	23° \mathbb{P} 56'48	0°16'53
minimum elong	-10944 Sep 04 j 09:06	27° \mathbb{I} 11'43	2°28'09				
morning rise	-10944 Sep 20 j 19:50	29° \mathbb{I} 10'46					
	-10944 Sep 27 j 19:11	0° \mathcal{B}					
retrograde	-10943 Jan 02 j 07:14	6° \mathcal{B} 36'11					
opposition	-10943 Mar 13 j 22:42	3° \mathcal{B} 14'44	3°00'54				

Attention, astronomical year style is used: The year -10937 in astronomical counting style is the year 10938 BCE in historical counting style.

min. Earth dist.	-10937 Jun 05 j 03:22	23° $\overline{\text{m}}$ 58'17	7.84691 AU	opposition	-10931 Aug 31 j 00:27	22° $\overline{\text{x}}$ 33'11	-3°00'52
direct	-10937 Aug 10 j 03:35	20° $\overline{\text{m}}$ 29'56		direct	-10931 Nov 06 j 04:51	19° $\overline{\text{x}}$ 03'49	
desc. node	-10937 Oct 18 j 21:24	24° $\overline{\text{m}}$ 47'37		evening set	-10930 Feb 20 j 04:57	27° $\overline{\text{x}}$ 15'04	
evening set	-10937 Nov 20 j 07:14	28° $\overline{\text{m}}$ 47'01					
	-10937 Nov 29 j 10:31	0° $\underline{\text{u}}$		conjunction	-10930 Mar 10 j 05:06	29° $\overline{\text{x}}$ 32'11	-2°26'06
				minimum elong	-10930 Mar 10 j 05:05	29° $\overline{\text{x}}$ 32'11	2°26'43
conjunction	-10937 Dec 08 j 02:42	1° $\underline{\text{u}}$ 10'02	-0°05'01	max. Earth dist.	-10930 Mar 11 j 11:37	29° $\overline{\text{x}}$ 41'56	10.18291 AU
minimum elong	-10937 Dec 08 j 02:41	1° $\underline{\text{u}}$ 10'01	0°04'58		-10930 Mar 13 j 20:13	0° $\overline{\text{z}}$	
behind sun begin	-10937 Dec 07 j 19:33	1° $\underline{\text{u}}$ 07'39		morning rise	-10930 Mar 28 j 02:51	1° $\overline{\text{z}}$ 48'27	
behind sun end	-10937 Dec 08 j 09:48	1° $\underline{\text{u}}$ 12'24		retrograde	-10930 Jul 09 j 01:15	9° $\overline{\text{z}}$ 43'31	
max. Earth dist.	-10937 Dec 08 j 14:54	1° $\underline{\text{u}}$ 14'08	9.81052 AU	opposition	-10930 Sep 13 j 16:45	6° $\overline{\text{z}}$ 17'14	-3°00'24
morning rise	-10937 Dec 26 j 03:42	3° $\underline{\text{u}}$ 34'48		min. Earth dist.	-10930 Sep 12 j 19:41	6° $\overline{\text{z}}$ 21'32	8.26598 AU
retrograde	-10936 Apr 12 j 20:12	12° $\underline{\text{u}}$ 21'42		direct	-10930 Nov 20 j 15:05	2° $\overline{\text{z}}$ 48'31	
opposition	-10936 Jun 19 j 12:22	8° $\underline{\text{u}}$ 48'28	-0°30'28	evening set	-10929 Mar 06 j 18:00	10° $\overline{\text{z}}$ 49'30	
min. Earth dist.	-10936 Jun 18 j 23:52	8° $\underline{\text{u}}$ 51'05	7.78425 AU				
direct	-10936 Aug 23 j 23:35	5° $\underline{\text{u}}$ 20'32		conjunction	-10929 Mar 24 j 15:24	13° $\overline{\text{z}}$ 03'11	-2°22'11
evening set	-10936 Dec 04 j 20:47	13° $\underline{\text{u}}$ 44'12		minimum elong	-10929 Mar 24 j 15:25	13° $\overline{\text{z}}$ 03'11	2°22'47
				max. Earth dist.	-10929 Mar 25 j 17:23	13° $\overline{\text{z}}$ 11'19	10.34969 AU
conjunction	-10936 Dec 22 j 20:43	16° $\underline{\text{u}}$ 09'04	-0°42'24	morning rise	-10929 Apr 11 j 09:28	15° $\overline{\text{z}}$ 15'42	
minimum elong	-10936 Dec 22 j 20:41	16° $\underline{\text{u}}$ 09'04	0°42'32	retrograde	-10929 Jul 22 j 00:15	22° $\overline{\text{z}}$ 55'13	
max. Earth dist.	-10936 Dec 23 j 16:20	16° $\underline{\text{u}}$ 15'42	9.76875 AU	opposition	-10929 Sep 26 j 22:36	19° $\overline{\text{z}}$ 31'10	-2°50'14
morning rise	-10935 Jan 10 j 01:20	18° $\underline{\text{u}}$ 35'26		min. Earth dist.	-10929 Sep 26 j 04:50	19° $\overline{\text{z}}$ 34'44	8.43689 AU
retrograde	-10935 Apr 28 j 09:26	27° $\underline{\text{u}}$ 23'16		direct	-10929 Dec 04 j 17:03	16° $\overline{\text{z}}$ 03'20	
opposition	-10935 Jul 04 j 14:59	23° $\underline{\text{u}}$ 49'53	-1°16'14	evening set	-10928 Mar 19 j 16:32	23° $\overline{\text{z}}$ 53'08	
min. Earth dist.	-10935 Jul 03 j 21:33	23° $\underline{\text{u}}$ 53'33	7.76518 AU				
direct	-10935 Sep 08 j 01:38	20° $\underline{\text{u}}$ 21'06		conjunction	-10928 Apr 06 j 11:00	26° $\overline{\text{z}}$ 03'20	-2°10'59
evening set	-10935 Dec 20 j 17:29	28° $\underline{\text{u}}$ 48'37		minimum elong	-10928 Apr 06 j 11:03	26° $\overline{\text{z}}$ 03'21	2°11'34
	-10935 Dec 29 j 16:01	0° $\overline{\text{m}}$		max. Earth dist.	-10928 Apr 07 j 07:20	26° $\overline{\text{z}}$ 09'35	10.52304 AU
				morning rise	-10928 Apr 24 j 01:24	28° $\overline{\text{z}}$ 12'13	
conjunction	-10934 Jan 07 j 20:22	1° $\overline{\text{m}}$ 14'07	-1°17'09		-10928 May 09 j 09:34	0° \approx	
minimum elong	-10934 Jan 07 j 20:17	1° $\overline{\text{m}}$ 14'05	1°17'25	retrograde	-10928 Aug 02 j 12:00	5° \approx 37'01	
max. Earth dist.	-10934 Jan 08 j 22:15	1° $\overline{\text{m}}$ 22'50	9.77179 AU	opposition	-10928 Oct 08 j 18:22	2° \approx 15'05	-2°31'59
morning rise	-10934 Jan 26 j 02:38	3° $\overline{\text{m}}$ 40'39		min. Earth dist.	-10928 Oct 08 j 04:16	2° \approx 17'52	8.60943 AU
retrograde	-10934 May 13 j 18:07	12° $\overline{\text{m}}$ 24'46			-10928 Nov 08 j 22:49	30° $\overline{\text{r}}$ $\overline{\text{z}}$	
opposition	-10934 Jul 19 j 15:15	8° $\overline{\text{m}}$ 51'51	-1°56'44	direct	-10928 Dec 17 j 07:28	28° $\overline{\text{z}}$ 48'19	
min. Earth dist.	-10934 Jul 18 j 17:52	8° $\overline{\text{m}}$ 56'22	7.79133 AU		-10927 Jan 24 j 11:14	0° \approx	
direct	-10934 Sep 23 j 06:36	5° $\overline{\text{m}}$ 22'27		evening set	-10927 Apr 02 j 00:33	6° \approx 26'46	
evening set	-10933 Jan 05 j 16:42	13° $\overline{\text{m}}$ 50'40					
	-10933 Jan 14 j 10:42	15° $\overline{\text{m}}$		conjunction	-10927 Apr 19 j 16:03	8° \approx 33'44	-1°53'50
				minimum elong	-10927 Apr 19 j 16:06	8° \approx 33'45	1°54'20
conjunction	-10933 Jan 23 j 20:51	16° $\overline{\text{m}}$ 15'29	-1°46'30	max. Earth dist.	-10927 Apr 20 j 06:25	8° \approx 38'04	10.69326 AU
minimum elong	-10933 Jan 23 j 20:46	16° $\overline{\text{m}}$ 15'27	1°46'55	morning rise	-10927 May 07 j 02:46	10° \approx 39'11	
max. Earth dist.	-10933 Jan 25 j 03:12	16° $\overline{\text{m}}$ 25'38	9.81960 AU		-10927 Jun 16 j 22:17	15° \approx	
morning rise	-10933 Feb 11 j 02:51	18° $\overline{\text{m}}$ 40'49		retrograde	-10927 Aug 14 j 14:37	17° \approx 50'48	
retrograde	-10933 May 28 j 18:39	27° $\overline{\text{m}}$ 16'54			-10927 Oct 14 j 22:32	15° $\overline{\text{r}}$ \approx	
min. Earth dist.	-10933 Aug 02 j 10:32	23° $\overline{\text{m}}$ 50'04	7.86076 AU	opposition	-10927 Oct 21 j 05:00	14° \approx 30'51	-2°07'25
opposition	-10933 Aug 03 j 10:26	23° $\overline{\text{m}}$ 45'03	-2°28'49	min. Earth dist.	-10927 Oct 20 j 19:12	14° \approx 32'45	8.77434 AU
direct	-10933 Oct 08 j 10:41	20° $\overline{\text{m}}$ 15'19		direct	-10927 Dec 30 j 10:24	11° \approx 05'17	
evening set	-10932 Jan 21 j 13:18	28° $\overline{\text{m}}$ 40'51			-10926 Mar 13 j 00:10	15° \approx	
	-10932 Jan 31 j 15:37	0° $\overline{\text{x}}$		evening set	-10926 Apr 14 j 19:27	18° \approx 33'04	
conjunction	-10932 Feb 08 j 17:07	1° $\overline{\text{x}}$ 03'50	-2°08'25	conjunction	-10926 May 02 j 07:49	20° \approx 37'02	-1°32'05
minimum elong	-10932 Feb 08 j 17:03	1° $\overline{\text{x}}$ 03'49	2°08'56	minimum elong	-10926 May 02 j 07:53	20° \approx 37'03	1°32'30
max. Earth dist.	-10932 Feb 10 j 01:52	1° $\overline{\text{x}}$ 14'40	9.90867 AU	max. Earth dist.	-10926 May 02 j 16:31	20° \approx 39'37	10.85184 AU
morning rise	-10932 Feb 26 j 21:13	3° $\overline{\text{x}}$ 26'49		morning rise	-10926 May 19 j 14:51	22° \approx 39'26	
retrograde	-10932 Jun 11 j 08:50	11° $\overline{\text{x}}$ 51'21		retrograde	-10926 Aug 26 j 08:00	29° \approx 39'51	
opposition	-10932 Aug 16 j 22:04	8° $\overline{\text{x}}$ 21'01	-2°50'28	opposition	-10926 Nov 02 j 07:52	26° \approx 21'41	-1°38'16
min. Earth dist.	-10932 Aug 15 j 21:18	8° $\overline{\text{x}}$ 26'12	7.96833 AU	min. Earth dist.	-10926 Nov 02 j 03:25	26° \approx 22'32	8.92448 AU
direct	-10932 Oct 22 j 10:51	4° $\overline{\text{x}}$ 51'19		direct	-10925 Jan 12 j 03:50	22° \approx 57'21	
evening set	-10931 Feb 05 j 02:37	13° $\overline{\text{x}}$ 11'00			-10925 Apr 24 j 20:11	0° $\overline{\text{H}}$	
				evening set	-10925 Apr 27 j 02:39	0° $\overline{\text{H}}$ 15'33	
conjunction	-10931 Feb 23 j 04:58	15° $\overline{\text{x}}$ 31'19	-2°21'41				
minimum elong	-10931 Feb 23 j 04:56	15° $\overline{\text{x}}$ 31'18	2°22'17	conjunction	-10925 May 14 j 11:37	2° $\overline{\text{H}}$ 16'50	-1°07'04
max. Earth dist.	-10931 Feb 24 j 13:52	15° $\overline{\text{x}}$ 42'01	10.03264 AU	minimum elong	-10925 May 14 j 11:39	2° $\overline{\text{H}}$ 16'51	1°07'24
morning rise	-10931 Mar 13 j 06:09	17° $\overline{\text{x}}$ 51'09		max. Earth dist.	-10925 May 14 j 13:52	2° $\overline{\text{H}}$ 17'30	10.99281 AU
retrograde	-10931 Jun 25 j 11:33	26° $\overline{\text{x}}$ 01'36		morning rise	-10925 May 31 j 15:08	4° $\overline{\text{H}}$ 16'34	
min. Earth dist.	-10931 Aug 30 j 00:47	22° $\overline{\text{x}}$ 38'05	8.10651 AU	retrograde	-10925 Sep 06 j 19:08	11° $\overline{\text{H}}$ 07'56	

Attention, astronomical year style is used: The year -10925 in astronomical counting style is the year 10926 BCE in historical counting style.

opposition	-10925 Nov 14 j 04:31	7° X 51'15	-1°06'03	conjunction	-10919 Jul 18 j 04:45	7° X 44'53	1°32'06
min. Earth dist.	-10925 Nov 14 j 05:35	7° X 51'03	9.05490 AU	minimum elong	-10919 Jul 18 j 04:42	7° X 44'52	1°32'26
direct	-10924 Jan 24 j 12:20	4° X 28'07		morning rise	-10919 Aug 03 j 15:00	9° X 37'28	
evening set	-10924 May 07 j 23:35	11° X 38'00			-10919 Sep 30 j 09:40	15° X	
				retrograde	-10919 Nov 10 j 15:21	16° X 21'02	
conjunction	-10924 May 25 j 05:00	13° X 36'57	-0°40'01		-10919 Dec 23 j 02:56	15° X	
minimum elong	-10924 May 25 j 05:02	13° X 36'57	0°40'14	opposition	-10918 Jan 20 j 04:11	13° X 05'32	2°04'42
max. Earth dist.	-10924 May 25 j 00:31	13° X 35'39	11.11179 AU	min. Earth dist.	-10918 Jan 21 j 02:50	13° X 01'25	9.25602 AU
morning rise	-10924 Jun 11 j 05:16	15° X 34'25		direct	-10918 Apr 02 j 03:16	9° X 46'28	
retrograde	-10924 Sep 16 j 23:18	22° X 18'58			-10918 Jun 27 j 10:35	15° X	
opposition	-10924 Nov 24 j 20:07	19° X 03'22	-0°32'10	evening set	-10918 Jul 12 j 14:01	16° X 40'00	
min. Earth dist.	-10924 Nov 25 j 01:50	19° X 02'18	9.16154 AU	max. Earth dist.	-10918 Jul 27 j 21:53	18° X 25'42	11.22198 AU
direct	-10923 Feb 04 j 14:03	15° X 41'19					
evening set	-10923 May 19 j 12:18	22° X 44'23		conjunction	-10918 Jul 29 j 00:28	18° X 33'24	1°52'13
				minimum elong	-10918 Jul 29 j 00:25	18° X 33'23	1°52'38
conjunction	-10923 Jun 05 j 14:11	24° X 41'21	-0°12'00	morning rise	-10918 Aug 14 j 09:06	20° X 26'26	
minimum elong	-10923 Jun 05 j 14:12	24° X 41'21	0°12'06	retrograde	-10918 Nov 22 j 05:11	27° X 16'12	
behind sun begin	-10923 Jun 05 j 09:24	24° X 39'59		opposition	-10917 Jan 31 j 21:41	23° X 59'45	2°27'14
behind sun end	-10923 Jun 05 j 19:00	24° X 42'43		min. Earth dist.	-10917 Feb 01 j 21:41	23° X 55'22	9.18353 AU
max. Earth dist.	-10923 Jun 05 j 04:12	24° X 38'29	11.20513 AU	direct	-10917 Apr 13 j 11:34	20° X 40'45	
morning rise	-10923 Jun 22 j 11:12	26° X 36'58		evening set	-10917 Jul 23 j 14:39	27° X 37'22	
	-10923 Jul 24 j 23:46	0° Y					
retrograde	-10923 Sep 28 j 02:33	3° Y 16'55		conjunction	-10917 Aug 08 j 23:21	29° X 31'30	2°08'30
asc. node	-10923 Nov 12 j 15:56	1° Y 41'51		minimum elong	-10917 Aug 08 j 23:19	29° X 31'29	2°08'59
opposition	-10923 Dec 06 j 08:03	0° Y 02'04	0°02'11	max. Earth dist.	-10917 Aug 07 j 18:53	29° X 23'09	11.13525 AU
	-10923 Dec 06 j 19:15	30° X			-10917 Aug 13 j 00:42	0° II	
min. Earth dist.	-10923 Dec 06 j 17:40	0° Y 00'17	9.24106 AU	morning rise	-10917 Aug 25 j 07:23	1° II 25'34	
direct	-10922 Feb 16 j 10:11	26° X 40'58		retrograde	-10917 Dec 04 j 00:38	8° II 23'28	
	-10922 Apr 25 j 05:50	0° Y		opposition	-10916 Feb 12 j 20:32	5° II 05'49	2°44'47
evening set	-10922 May 30 j 18:29	3° Y 38'47		min. Earth dist.	-10916 Feb 13 j 21:49	5° II 01'10	9.08359 AU
				direct	-10916 Apr 23 j 22:48	1° II 46'40	
conjunction	-10922 Jun 16 j 16:56	5° Y 34'10	0°16'07	evening set	-10916 Aug 02 j 19:24	8° II 48'00	
minimum elong	-10922 Jun 16 j 16:56	5° Y 34'10	0°16'07	max. Earth dist.	-10916 Aug 17 j 22:22	10° II 34'50	11.02263 AU
behind sun begin	-10922 Jun 16 j 16:27	5° Y 34'02					
behind sun end	-10922 Jun 16 j 17:24	5° Y 34'18		conjunction	-10916 Aug 19 j 03:20	10° II 43'26	2°20'13
max. Earth dist.	-10922 Jun 16 j 02:52	5° Y 30'09	11.26995 AU	minimum elong	-10916 Aug 19 j 03:19	10° II 43'25	2°20'46
morning rise	-10922 Jul 03 j 10:41	7° Y 28'20		morning rise	-10916 Sep 04 j 11:44	12° II 39'05	
retrograde	-10922 Oct 09 j 03:33	14° Y 05'55		retrograde	-10916 Dec 15 j 06:02	19° II 47'00	
opposition	-10922 Dec 17 j 18:21	10° Y 51'26	0°35'57	opposition	-10915 Feb 24 j 02:11	16° II 27'53	2°56'26
min. Earth dist.	-10922 Dec 18 j 08:07	10° Y 48'55	9.29119 AU	min. Earth dist.	-10915 Feb 25 j 03:14	16° II 23'15	8.95923 AU
direct	-10921 Feb 27 j 22:41	7° Y 31'08		direct	-10915 May 05 j 16:12	13° II 08'27	
evening set	-10921 Jun 10 j 19:56	14° Y 25'19		evening set	-10915 Aug 14 j 06:02	20° II 15'56	
				max. Earth dist.	-10915 Aug 29 j 11:15	22° II 05'03	10.88764 AU
conjunction	-10921 Jun 27 j 14:51	16° Y 19'32	0°43'19				
minimum elong	-10921 Jun 27 j 14:49	16° Y 19'32	0°43'26	conjunction	-10915 Aug 30 j 14:25	22° II 13'15	2°26'38
max. Earth dist.	-10921 Jun 26 j 20:20	16° Y 14'15	11.30448 AU	minimum elong	-10915 Aug 30 j 14:25	22° II 13'15	2°27'14
morning rise	-10921 Jul 14 j 05:41	18° Y 12'42		morning rise	-10915 Sep 16 j 00:05	24° II 11'05	
retrograde	-10921 Oct 20 j 04:39	24° Y 50'08			-10915 Nov 14 j 11:04	0° X	
opposition	-10921 Dec 29 j 04:14	21° Y 35'40	1°08'13	retrograde	-10915 Dec 27 j 21:26	1° X 30'43	
min. Earth dist.	-10921 Dec 29 j 22:24	21° Y 32'22	9.31061 AU		-10914 Feb 10 j 15:30	30° X	
direct	-10920 Mar 10 j 09:32	18° Y 15'57		opposition	-10914 Mar 08 j 15:51	28° II 09'54	3°01'16
evening set	-10920 Jun 20 j 18:34	25° Y 08'14		min. Earth dist.	-10914 Mar 09 j 14:43	28° II 05'38	8.81463 AU
max. Earth dist.	-10920 Jul 06 j 11:10	26° Y 55'07	11.30791 AU	direct	-10914 May 17 j 14:32	24° II 50'01	
					-10914 Aug 08 j 00:36	0° X	
conjunction	-10920 Jul 07 j 10:07	27° Y 01'42	1°08'54	evening set	-10914 Aug 26 j 00:34	2° X 04'59	
minimum elong	-10920 Jul 07 j 10:05	27° Y 01'41	1°09'08	max. Earth dist.	-10914 Sep 10 j 09:50	3° X 57'13	10.73516 AU
morning rise	-10920 Jul 23 j 22:32	28° Y 54'20					
	-10920 Aug 02 j 20:57	0° X		conjunction	-10914 Sep 11 j 10:35	4° X 04'48	2°27'04
retrograde	-10920 Oct 30 j 07:11	5° X 33'45		minimum elong	-10914 Sep 11 j 10:36	4° X 04'48	2°27'41
opposition	-10919 Jan 08 j 14:53	2° X 18'56	1°38'04	morning rise	-10914 Sep 27 j 22:48	6° X 05'26	
min. Earth dist.	-10919 Jan 09 j 11:57	2° X 15'06	9.29880 AU	retrograde	-10913 Jan 10 j 01:18	13° X 38'06	
	-10919 Feb 12 j 22:05	30° X		opposition	-10913 Mar 21 j 14:32	10° X 15'28	2°58'22
direct	-10919 Mar 21 j 18:04	28° Y 59'37		min. Earth dist.	-10913 Mar 22 j 10:29	10° X 11'41	8.65533 AU
	-10919 Apr 26 j 21:59	0° X		direct	-10913 May 29 j 20:23	6° X 54'57	
evening set	-10919 Jul 01 j 16:01	5° X 51'43		evening set	-10913 Sep 07 j 04:40	14° X 18'33	
max. Earth dist.	-10919 Jul 17 j 03:29	7° X 37'37	11.28015 AU				
				conjunction	-10913 Sep 23 j 17:32	16° X 21'26	2°20'53

Attention, astronomical year style is used: The year -10913 in astronomical counting style is the year 10914 BCE in historical counting style.

minimum elong	-10913 Sep 23 j 17:34	16° Ω 21'27	2°21'30		-10907 Sep 19 j 18:32	0° Ω	
max. Earth dist.	-10913 Sep 22 j 19:30	16° Ω 14'34	10.57134 AU	evening set	-10907 Nov 28 j 06:58	7° Ω 17'35	
morning rise	-10913 Oct 10 j 09:45	18° Ω 25'28					
retrograde	-10912 Jan 23 j 17:11	26° Ω 12'03		conjunction	-10907 Dec 16 j 04:59	9° Ω 41'36	-0°25'55
opposition	-10912 Apr 02 j 22:54	22° Ω 47'31	2°47'01	minimum elong	-10907 Dec 16 j 04:58	9° Ω 41'35	0°25'58
min. Earth dist.	-10912 Apr 03 j 15:32	22° Ω 44'19	8.48802 AU	max. Earth dist.	-10907 Dec 16 j 21:21	9° Ω 47'06	9.79567 AU
direct	-10912 Jun 10 j 09:31	19° Ω 26'11		morning rise	-10906 Jan 03 j 07:57	12° Ω 07'14	
evening set	-10912 Sep 18 j 20:01	26° Ω 59'24		retrograde	-10906 Apr 21 j 22:26	20° Ω 54'58	
				opposition	-10906 Jun 28 j 07:22	17° Ω 22'09	-0°56'18
conjunction	-10912 Oct 05 j 12:58	29° Ω 05'49	2°07'43	min. Earth dist.	-10906 Jun 27 j 16:06	17° Ω 25'21	7.77941 AU
minimum elong	-10912 Oct 05 j 13:01	29° Ω 05'50	2°08'16	direct	-10906 Sep 01 j 16:32	13° Ω 54'18	
max. Earth dist.	-10912 Oct 04 j 18:54	29° Ω 00'05	10.40338 AU	evening set	-10906 Dec 14 j 01:15	22° Ω 20'16	
	-10912 Oct 12 j 15:44	0° Ω					
morning rise	-10912 Oct 22 j 10:23	1° Ω 13'42		conjunction	-10905 Jan 01 j 02:54	24° Ω 45'34	-1°02'14
retrograde	-10911 Feb 05 j 19:16	9° Ω 14'33		minimum elong	-10905 Jan 01 j 02:50	24° Ω 45'33	1°02'26
opposition	-10911 Apr 16 j 17:05	5° Ω 48'07	2°26'46	max. Earth dist.	-10905 Jan 02 j 01:06	24° Ω 53'03	9.77351 AU
min. Earth dist.	-10911 Apr 17 j 05:39	5° Ω 45'39	8.32059 AU	morning rise	-10905 Jan 19 j 08:32	27° Ω 12'07	
direct	-10911 Jun 23 j 10:10	2° Ω 25'50			-10905 Feb 10 j 09:17	0° Ω	
evening set	-10911 Oct 01 j 23:53	10° Ω 09'14		retrograde	-10905 May 07 j 10:23	5° Ω 58'32	
				opposition	-10905 Jul 13 j 09:20	2° Ω 25'48	-1°39'37
conjunction	-10911 Oct 18 j 22:11	12° Ω 19'34	1°47'28	min. Earth dist.	-10905 Jul 12 j 14:27	2° Ω 29'47	7.78006 AU
minimum elong	-10911 Oct 18 j 22:15	12° Ω 19'35	1°47'56		-10905 Aug 14 j 10:30	30° Ω	
max. Earth dist.	-10911 Oct 18 j 10:08	12° Ω 15'40	10.23961 AU	direct	-10905 Sep 16 j 20:32	28° Ω 57'03	
morning rise	-10911 Nov 05 j 01:41	14° Ω 31'36			-10905 Oct 19 j 23:58	0° Ω	
	-10911 Nov 08 j 19:54	15° Ω		evening set	-10905 Dec 30 j 00:24	7° Ω 25'31	
retrograde	-10910 Feb 20 j 08:56	22° Ω 46'18					
opposition	-10910 Apr 30 j 20:52	19° Ω 18'00	1°57'43	conjunction	-10904 Jan 17 j 03:59	9° Ω 50'47	-1°34'19
min. Earth dist.	-10910 May 01 j 04:12	19° Ω 16'32	8.16187 AU	minimum elong	-10904 Jan 17 j 03:55	9° Ω 50'45	1°34'40
direct	-10910 Jul 06 j 21:56	15° Ω 54'40		max. Earth dist.	-10904 Jan 18 j 06:51	9° Ω 59'47	9.79611 AU
evening set	-10910 Oct 15 j 17:19	23° Ω 48'21		morning rise	-10904 Feb 04 j 10:18	12° Ω 16'49	
					-10904 Feb 25 j 22:14	15° Ω	
conjunction	-10910 Nov 01 j 21:50	26° Ω 02'44	1°20'35	retrograde	-10904 May 21 j 15:32	20° Ω 57'19	
minimum elong	-10910 Nov 01 j 21:54	26° Ω 02'46	1°20'57	min. Earth dist.	-10904 Jul 26 j 10:17	17° Ω 29'44	7.82528 AU
max. Earth dist.	-10910 Nov 01 j 17:00	26° Ω 01'09	10.08887 AU	opposition	-10904 Jul 27 j 07:43	17° Ω 25'13	-2°15'50
morning rise	-10910 Nov 19 j 07:56	28° Ω 18'59			-10904 Aug 28 j 04:20	15° Ω	
	-10910 Dec 02 j 17:07	0° Ω		direct	-10904 Oct 01 j 02:12	13° Ω 55'48	
retrograde	-10909 Mar 07 j 09:03	6° Ω 46'11			-10904 Nov 03 j 18:52	15° Ω	
opposition	-10909 May 15 j 09:14	3° Ω 16'11	1°20'42	evening set	-10903 Jan 13 j 23:05	22° Ω 23'16	
min. Earth dist.	-10909 May 15 j 10:26	3° Ω 15'57	8.02070 AU				
	-10909 Jul 08 j 16:47	30° Ω		conjunction	-10903 Feb 01 j 03:02	24° Ω 47'16	-1°59'46
direct	-10909 Jul 20 j 19:29	29° Ω 51'43		minimum elong	-10903 Feb 01 j 02:58	24° Ω 47'14	2°00'15
	-10909 Aug 01 j 18:57	0° Ω		max. Earth dist.	-10903 Feb 02 j 08:54	24° Ω 57'11	9.86221 AU
evening set	-10909 Oct 30 j 00:57	7° Ω 55'21		morning rise	-10903 Feb 19 j 08:17	27° Ω 11'31	
					-10903 Mar 13 j 19:33	0° Ω	
conjunction	-10909 Nov 16 j 11:52	10° Ω 13'36	0°48'07	retrograde	-10903 Jun 05 j 10:24	5° Ω 42'05	
minimum elong	-10909 Nov 16 j 11:55	10° Ω 13'37	0°48'21	opposition	-10903 Aug 10 j 23:34	2° Ω 11'06	-2°42'21
max. Earth dist.	-10909 Nov 16 j 14:25	10° Ω 14'27	9.95970 AU	min. Earth dist.	-10903 Aug 10 j 00:45	2° Ω 15'53	7.91172 AU
morning rise	-10909 Dec 04 j 04:28	12° Ω 33'45			-10903 Sep 08 j 04:54	30° Ω	
retrograde	-10908 Mar 21 j 17:41	21° Ω 11'08		direct	-10903 Oct 16 j 05:48	28° Ω 41'19	
opposition	-10908 May 29 j 04:25	17° Ω 39'44	0°37'27		-10903 Nov 23 j 01:01	0° Ω	
min. Earth dist.	-10908 May 28 j 23:33	17° Ω 40'44	7.90528 AU	evening set	-10902 Jan 29 j 16:41	7° Ω 04'26	
direct	-10908 Aug 03 j 01:46	14° Ω 14'04					
evening set	-10908 Nov 12 j 22:01	22° Ω 26'50		conjunction	-10902 Feb 16 j 19:45	9° Ω 26'09	-2°17'00
				minimum elong	-10902 Feb 16 j 19:42	9° Ω 26'08	2°17'33
conjunction	-10908 Nov 30 j 14:58	24° Ω 48'24	0°11'51	max. Earth dist.	-10902 Feb 18 j 02:28	9° Ω 36'13	9.96684 AU
minimum elong	-10908 Nov 30 j 14:59	24° Ω 48'24	0°11'57	morning rise	-10902 Mar 06 j 22:35	11° Ω 47'37	
behind sun begin	-10908 Nov 30 j 09:59	24° Ω 46'45		retrograde	-10902 Jun 19 j 18:00	20° Ω 05'08	
behind sun end	-10908 Nov 30 j 19:58	24° Ω 50'03		min. Earth dist.	-10902 Aug 24 j 07:38	16° Ω 40'28	8.03281 AU
max. Earth dist.	-10908 Dec 01 j 00:39	24° Ω 51'38	9.85971 AU	opposition	-10902 Aug 25 j 06:38	16° Ω 35'41	-2°57'49
morning rise	-10908 Dec 18 j 13:23	27° Ω 11'47		direct	-10902 Oct 31 j 04:28	13° Ω 05'53	
	-10907 Jan 09 j 18:19	0° Ω		evening set	-10901 Feb 14 j 00:49	21° Ω 21'43	
desc. node	-10907 Mar 30 j 18:05	5° Ω 53'54					
retrograde	-10907 Apr 06 j 07:32	5° Ω 56'17		conjunction	-10901 Mar 04 j 02:04	23° Ω 40'29	-2°25'20
opposition	-10907 Jun 13 j 04:41	2° Ω 23'55	-0°09'22	minimum elong	-10901 Mar 04 j 02:03	23° Ω 40'28	2°25'56
min. Earth dist.	-10907 Jun 12 j 18:12	2° Ω 26'06	7.82268 AU	max. Earth dist.	-10901 Mar 05 j 07:49	23° Ω 50'04	10.10224 AU
	-10907 Jul 15 j 05:07	30° Ω		morning rise	-10901 Mar 22 j 01:37	25° Ω 58'33	
direct	-10907 Aug 17 j 17:25	28° Ω 57'06			-10901 Apr 25 j 10:04	0° Ω	

Attention, astronomical year style is used: The year -10901 in astronomical counting style is the year 10902 BCE in historical counting style.

retrograde	-10901 Jul 03 j 12:56	4° $\overline{3}$ 01'09	
min. Earth dist.	-10901 Sep 07 j 05:44	0° $\overline{3}$ 38'06	8.17993 AU
opposition	-10901 Sep 08 j 03:53	0° $\overline{3}$ 33'33	-3°02'06
	-10901 Sep 14 j 23:53	30° \overline{R} 27	
direct	-10901 Nov 14 j 19:31	27° \overline{R} 04'06	
	-10900 Jan 13 j 03:15	0° $\overline{3}$	
evening set	-10900 Feb 28 j 20:11	5° $\overline{3}$ 10'23	
conjunction	-10900 Mar 17 j 19:02	7° $\overline{3}$ 25'48	-2°25'01
minimum elong	-10900 Mar 17 j 19:03	7° $\overline{3}$ 25'48	2°25'37
max. Earth dist.	-10900 Mar 18 j 22:32	7° $\overline{3}$ 34'31	10.25918 AU
morning rise	-10900 Apr 04 j 14:52	9° $\overline{3}$ 40'12	
retrograde	-10900 Jul 15 j 18:53	17° $\overline{3}$ 27'16	
opposition	-10900 Sep 20 j 14:40	14° $\overline{3}$ 01'41	-2°56'03
min. Earth dist.	-10900 Sep 19 j 18:59	14° $\overline{3}$ 05'40	8.34359 AU
direct	-10900 Nov 28 j 00:59	10° $\overline{3}$ 32'54	
evening set	-10899 Mar 14 j 01:27	18° $\overline{3}$ 28'19	
conjunction	-10899 Mar 31 j 21:33	20° $\overline{3}$ 40'17	-2°16'52
minimum elong	-10899 Mar 31 j 21:35	20° $\overline{3}$ 40'18	2°17'27
max. Earth dist.	-10899 Apr 01 j 21:05	20° $\overline{3}$ 47'36	10.42801 AU
morning rise	-10899 Apr 18 j 13:36	22° $\overline{3}$ 50'58	
	-10899 Jul 08 j 01:24	0° \approx	
retrograde	-10899 Jul 28 j 13:11	0° \approx 22'50	
	-10899 Aug 18 j 01:34	30° \overline{R} 3	
opposition	-10899 Oct 03 j 15:02	26° $\overline{3}$ 59'22	-2°41'07
min. Earth dist.	-10899 Oct 02 j 23:15	27° $\overline{3}$ 02'31	8.51441 AU
direct	-10899 Dec 11 j 19:02	23° $\overline{3}$ 31'30	