

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

direct	-11400 Jan 12 j 05:09	26° $\approx$ 43'08		desc. node	-11395 Oct 23 j 07:18	25° $\Omega$ 57'06	
	-11400 Feb 29 j 09:00	0° $\mathbb{X}$		evening set	-11395 Oct 26 j 07:20	26° $\Omega$ 38'59	
evening set	-11400 May 19 j 13:47	14° $\mathbb{X}$ 58'27					
max. Earth dist.	-11400 May 31 j 08:13	17° $\mathbb{X}$ 35'28	6.33330 AU	conjunction	-11395 Nov 08 j 12:37	29° $\Omega$ 44'42	-0°02'34
				minimum elong	-11395 Nov 08 j 12:36	29° $\Omega$ 44'41	0°02'12
conjunction	-11400 Jun 01 j 12:08	17° $\mathbb{X}$ 51'02	0°34'48	behind sun begin	-11395 Nov 08 j 04:22	29° $\Omega$ 39'53	
minimum elong	-11400 Jun 01 j 12:05	17° $\mathbb{X}$ 51'01	0°34'38	behind sun end	-11395 Nov 08 j 20:51	29° $\Omega$ 49'30	
morning rise	-11400 Jun 14 j 07:21	20° $\mathbb{X}$ 42'00			-11395 Nov 09 j 14:44	0° $\mathbb{M}$	
	-11400 Jul 29 j 01:25	0° $\mathbb{Y}$		max. Earth dist.	-11395 Nov 09 j 12:08	29° $\Omega$ 58'29	6.08558 AU
retrograde	-11400 Oct 13 j 01:45	7° $\mathbb{Y}$ 59'30		morning rise	-11395 Nov 21 j 21:36	2° $\mathbb{M}$ 52'23	
opposition	-11400 Dec 12 j 13:12	3° $\mathbb{Y}$ 07'39	1°26'45	retrograde	-11394 Apr 02 j 10:28	22° $\mathbb{M}$ 44'52	
min. Earth dist.	-11400 Dec 13 j 10:03	3° $\mathbb{Y}$ 00'59	4.33916 AU	opposition	-11394 Jun 01 j 18:53	17° $\mathbb{M}$ 40'45	-0°50'38
	-11399 Jan 08 j 01:16	30° $\mathbb{R}$ $\mathbb{X}$		min. Earth dist.	-11394 May 31 j 23:29	17° $\mathbb{M}$ 47'16	4.07016 AU
direct	-11399 Feb 13 j 02:07	28° $\mathbb{X}$ 07'15		direct	-11394 Jul 30 j 01:14	12° $\mathbb{M}$ 45'20	
	-11399 Mar 21 j 01:39	0° $\mathbb{Y}$			-11394 Nov 23 j 19:05	0° $\underline{\Omega}$	
evening set	-11399 Jun 20 j 02:15	16° $\mathbb{Y}$ 11'14		evening set	-11394 Dec 01 j 06:54	1° $\underline{\Omega}$ 44'00	
max. Earth dist.	-11399 Jul 01 j 11:54	18° $\mathbb{Y}$ 44'14	6.33287 AU				
				conjunction	-11394 Dec 14 j 20:11	4° $\underline{\Omega}$ 53'58	-1°01'08
conjunction	-11399 Jul 02 j 15:45	18° $\mathbb{Y}$ 59'52	1°20'31	minimum elong	-11394 Dec 14 j 20:05	4° $\underline{\Omega}$ 53'54	1°01'09
minimum elong	-11399 Jul 02 j 15:40	18° $\mathbb{Y}$ 59'49	1°20'41	max. Earth dist.	-11394 Dec 16 j 03:00	5° $\underline{\Omega}$ 12'00	6.06559 AU
morning rise	-11399 Jul 15 j 02:55	21° $\mathbb{Y}$ 47'24		morning rise	-11394 Dec 28 j 12:23	8° $\underline{\Omega}$ 05'25	
	-11399 Aug 22 j 21:05	0° $\mathbb{B}$		retrograde	-11393 May 08 j 08:26	27° $\underline{\Omega}$ 57'18	
retrograde	-11399 Nov 14 j 07:51	9° $\mathbb{B}$ 18'44		opposition	-11393 Jul 06 j 22:12	22° $\underline{\Omega}$ 52'19	-2°04'37
opposition	-11398 Jan 14 j 12:07	4° $\mathbb{B}$ 26'37	2°19'21	min. Earth dist.	-11393 Jul 06 j 02:51	22° $\underline{\Omega}$ 58'57	4.07463 AU
min. Earth dist.	-11398 Jan 15 j 06:20	4° $\mathbb{B}$ 20'51	4.31834 AU	direct	-11393 Sep 03 j 04:04	17° $\underline{\Omega}$ 53'36	
	-11398 Feb 27 j 08:36	30° $\mathbb{R}$ $\mathbb{Y}$			-11393 Dec 06 j 15:31	0° $\mathbb{M}$	
direct	-11398 Mar 17 j 17:30	29° $\mathbb{Y}$ 29'21		evening set	-11392 Jan 07 j 08:18	7° $\mathbb{M}$ 04'08	
	-11398 Apr 05 j 03:52	0° $\mathbb{B}$					
	-11398 Jul 09 j 22:15	15° $\mathbb{B}$		conjunction	-11392 Jan 21 j 01:07	10° $\mathbb{M}$ 14'08	-1°37'30
evening set	-11398 Jul 21 j 05:05	17° $\mathbb{B}$ 30'59		minimum elong	-11392 Jan 21 j 01:03	10° $\mathbb{M}$ 14'05	1°37'53
				max. Earth dist.	-11392 Jan 22 j 05:09	10° $\mathbb{M}$ 30'22	6.09286 AU
conjunction	-11398 Aug 02 j 13:32	20° $\mathbb{B}$ 18'48	1°42'59	morning rise	-11392 Feb 03 j 18:50	13° $\mathbb{M}$ 24'31	
minimum elong	-11398 Aug 02 j 13:31	20° $\mathbb{B}$ 18'47	1°43'27		-11392 Feb 10 j 17:54	15° $\mathbb{M}$	
max. Earth dist.	-11398 Aug 01 j 16:06	20° $\mathbb{B}$ 06'38	6.29206 AU		-11392 Apr 30 j 00:41	0° $\mathbb{X}$	
morning rise	-11398 Aug 14 j 21:31	23° $\mathbb{B}$ 06'31		retrograde	-11392 Jun 11 j 05:09	2° $\mathbb{X}$ 47'44	
	-11398 Sep 15 j 14:25	0° $\mathbb{I}$			-11392 Jul 23 j 03:29	30° $\mathbb{R}$ $\mathbb{M}$	
retrograde	-11398 Dec 17 j 18:27	11° $\mathbb{I}$ 10'11		opposition	-11392 Aug 09 j 06:23	27° $\mathbb{M}$ 44'26	-2°32'42
opposition	-11397 Feb 17 j 06:53	6° $\mathbb{I}$ 16'04	2°31'28	min. Earth dist.	-11392 Aug 08 j 17:04	27° $\mathbb{M}$ 48'59	4.12299 AU
min. Earth dist.	-11397 Feb 17 j 18:43	6° $\mathbb{I}$ 12'18	4.26083 AU	direct	-11392 Oct 07 j 04:09	22° $\mathbb{M}$ 42'31	
direct	-11397 Apr 19 j 16:53	1° $\mathbb{I}$ 21'31			-11392 Dec 17 j 14:22	0° $\mathbb{X}$	
evening set	-11397 Aug 21 j 15:12	19° $\mathbb{I}$ 29'04		evening set	-11391 Feb 12 j 05:12	11° $\mathbb{X}$ 50'20	
conjunction	-11397 Sep 03 j 01:33	22° $\mathbb{I}$ 20'26	1°34'47	conjunction	-11391 Feb 25 j 21:32	14° $\mathbb{X}$ 57'18	-1°38'32
minimum elong	-11397 Sep 03 j 01:37	22° $\mathbb{I}$ 20'28	1°35'24	minimum elong	-11391 Feb 25 j 21:34	14° $\mathbb{X}$ 57'20	1°39'08
max. Earth dist.	-11397 Sep 02 j 17:00	22° $\mathbb{I}$ 15'30	6.22233 AU	max. Earth dist.	-11391 Feb 26 j 09:42	15° $\mathbb{X}$ 04'15	6.15725 AU
morning rise	-11397 Sep 15 j 13:24	25° $\mathbb{I}$ 12'42		morning rise	-11391 Mar 11 j 13:04	18° $\mathbb{X}$ 03'40	
	-11397 Oct 06 j 22:23	0° $\mathbb{O}$			-11391 May 08 j 01:58	0° $\mathbb{B}$	
retrograde	-11396 Jan 21 j 09:33	13° $\mathbb{O}$ 58'53		retrograde	-11391 Jul 14 j 17:12	6° $\mathbb{B}$ 41'07	
opposition	-11396 Mar 22 j 22:59	9° $\mathbb{O}$ 01'23	1°56'24	opposition	-11391 Sep 11 j 16:15	1° $\mathbb{B}$ 41'12	-2°07'24
min. Earth dist.	-11396 Mar 22 j 22:20	9° $\mathbb{O}$ 01'35	4.18359 AU	min. Earth dist.	-11391 Sep 11 j 13:41	1° $\mathbb{B}$ 42'04	4.19695 AU
direct	-11396 May 22 j 03:08	4° $\mathbb{O}$ 08'25			-11391 Sep 24 j 09:22	30° $\mathbb{R}$ $\mathbb{X}$	
evening set	-11396 Sep 22 j 02:55	22° $\mathbb{O}$ 28'59		direct	-11391 Nov 10 j 18:56	26° $\mathbb{X}$ 37'14	
					-11391 Dec 28 j 10:54	0° $\mathbb{B}$	
conjunction	-11396 Oct 04 j 21:35	25° $\mathbb{O}$ 27'19	0°56'08	evening set	-11390 Mar 19 j 18:40	15° $\mathbb{B}$ 29'01	
minimum elong	-11396 Oct 04 j 21:40	25° $\mathbb{O}$ 27'22	0°56'43				
max. Earth dist.	-11396 Oct 05 j 06:18	25° $\mathbb{O}$ 32'24	6.14508 AU	conjunction	-11390 Apr 02 j 07:52	18° $\mathbb{B}$ 31'32	-1°06'09
morning rise	-11396 Oct 17 j 19:13	28° $\mathbb{O}$ 27'21		minimum elong	-11390 Apr 02 j 07:57	18° $\mathbb{B}$ 31'35	1°06'46
	-11396 Oct 24 j 12:14	0° $\Omega$		max. Earth dist.	-11390 Apr 02 j 03:30	18° $\mathbb{B}$ 29'05	6.23554 AU
	-11395 Jan 11 j 20:53	15° $\Omega$		morning rise	-11390 Apr 15 j 18:15	21° $\mathbb{B}$ 32'34	
retrograde	-11395 Feb 25 j 04:52	17° $\Omega$ 54'24			-11390 May 25 j 12:47	0° $\approx$	
	-11395 Apr 10 j 15:56	15° $\mathbb{R}$ $\Omega$		retrograde	-11390 Aug 16 j 02:01	9° $\approx$ 25'15	
opposition	-11395 Apr 27 j 06:56	12° $\Omega$ 53'07	0°41'08	opposition	-11390 Oct 14 j 08:09	4° $\approx$ 29'10	-1°01'48
min. Earth dist.	-11395 Apr 26 j 19:41	12° $\Omega$ 56'50	4.11155 AU	min. Earth dist.	-11390 Oct 14 j 16:27	4° $\approx$ 26'25	4.27171 AU
direct	-11395 Jun 25 j 08:12	7° $\Omega$ 59'51			-11390 Nov 25 j 08:02	30° $\mathbb{R}$ $\mathbb{B}$	
	-11395 Sep 01 j 22:33	15° $\Omega$		direct	-11390 Dec 14 j 15:43	29° $\mathbb{B}$ 25'00	

## Planetary Phenomena of Jupiter from -11400 through -10898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 2

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

	-11389 Jan 03 j 04:07	0°♊		morning rise	-11384 Oct 22 j 16:08	3°♏23'03	
	-11389 Apr 09 j 06:34	15°♊			-11384 Dec 16 j 02:49	15°♏	
evening set	-11389 Apr 22 j 15:40	17°♊55'42		retrograde	-11383 Mar 02 j 06:45	22°♏54'14	
				opposition	-11383 May 02 j 07:34	17°♏52'28	0°28'26
conjunction	-11389 May 05 j 22:00	20°♊52'53	-0°13'35	min. Earth dist.	-11383 May 01 j 17:50	17°♏57'00	4.10547 AU
minimum elong	-11389 May 05 j 22:01	20°♊52'54	0°14'01		-11383 May 25 j 15:39	15°♏♏	
behind sun begin	-11389 May 05 j 18:00	20°♊50'40		direct	-11383 Jun 30 j 04:53	12°♏59'01	
behind sun end	-11389 May 06 j 02:03	20°♊55'08			-11383 Aug 04 j 10:28	15°♏	
max. Earth dist.	-11389 May 05 j 01:14	20°♊41'18	6.30172 AU	desc. node	-11383 Sep 01 j 19:13	19°♏05'54	
morning rise	-11389 May 19 j 01:01	23°♊48'18			-11383 Oct 24 j 02:11	0°♏	
	-11389 Jun 16 j 21:03	0°♋		evening set	-11383 Oct 31 j 06:48	1°♏40'00	
asc. node	-11389 Aug 09 j 02:30	8°♋52'46					
retrograde	-11389 Sep 16 j 19:20	11°♋12'14		conjunction	-11383 Nov 13 j 13:22	4°♏46'23	-0°11'19
opposition	-11389 Nov 15 j 15:54	6°♋19'06	0°20'44	minimum elong	-11383 Nov 13 j 13:20	4°♏46'22	0°11'01
min. Earth dist.	-11389 Nov 16 j 09:13	6°♋13'28	4.32381 AU	behind sun begin	-11383 Nov 13 j 07:10	4°♏42'46	
direct	-11388 Jan 16 j 21:06	1°♋16'23		behind sun end	-11383 Nov 13 j 19:30	4°♏49'58	
evening set	-11388 May 24 j 01:09	19°♋29'31		max. Earth dist.	-11383 Nov 14 j 14:38	5°♏01'11	6.08298 AU
				morning rise	-11383 Nov 26 j 23:36	7°♏54'42	
conjunction	-11388 Jun 05 j 22:20	22°♋21'27	0°42'11	retrograde	-11382 Apr 07 j 11:53	27°♏47'32	
minimum elong	-11388 Jun 05 j 22:16	22°♋21'25	0°42'04	opposition	-11382 Jun 06 j 18:12	22°♏43'04	-1°02'49
max. Earth dist.	-11388 Jun 04 j 18:53	22°♋06'09	6.33584 AU	min. Earth dist.	-11382 Jun 05 j 22:31	22°♏49'43	4.07129 AU
morning rise	-11388 Jun 18 j 16:08	25°♋11'45		direct	-11382 Aug 04 j 00:28	17°♏47'11	
	-11388 Jul 10 j 19:48	0°♌			-11382 Nov 06 j 07:52	0°♏	
retrograde	-11388 Oct 17 j 12:47	12°♌29'57		evening set	-11382 Dec 06 j 09:57	6°♏46'37	
opposition	-11388 Dec 17 j 03:17	7°♌38'12	1°36'05				
min. Earth dist.	-11388 Dec 17 j 23:36	7°♌31'43	4.33835 AU	conjunction	-11382 Dec 19 j 24:00	9°♏56'38	-1°07'57
direct	-11387 Feb 17 j 15:08	2°♌38'14		minimum elong	-11382 Dec 19 j 23:53	9°♏56'35	1°08'01
evening set	-11387 Jun 24 j 11:44	20°♌41'39		max. Earth dist.	-11382 Dec 21 j 08:11	10°♏15'26	6.07018 AU
max. Earth dist.	-11387 Jul 05 j 19:30	23°♌13'53	6.32857 AU	morning rise	-11381 Jan 02 j 16:34	13°♏07'59	
					-11381 Mar 30 j 16:19	0°♌	
conjunction	-11387 Jul 07 j 00:04	23°♌29'57	1°25'19	retrograde	-11381 May 13 j 06:06	2°♌55'57	
minimum elong	-11387 Jul 06 j 23:59	23°♌29'54	1°25'32		-11381 Jun 25 j 12:22	30°♌♏	
morning rise	-11387 Jul 19 j 10:34	26°♌17'20		opposition	-11381 Jul 11 j 18:01	27°♏51'04	-2°11'35
	-11387 Aug 05 j 07:27	0°♍		min. Earth dist.	-11381 Jul 10 j 23:09	27°♏57'31	4.08240 AU
retrograde	-11387 Nov 19 j 00:29	13°♍52'35		direct	-11381 Sep 08 j 00:59	22°♏51'52	
opposition	-11386 Jan 19 j 05:04	9°♍00'18	2°23'46		-11381 Nov 16 j 15:29	0°♌	
min. Earth dist.	-11386 Jan 19 j 23:35	8°♍54'26	4.31101 AU	evening set	-11380 Jan 12 j 11:32	12°♌01'36	
direct	-11386 Mar 22 j 08:58	4°♍03'25			-11380 Jan 25 j 09:00	15°♌	
	-11386 Jun 22 j 20:26	15°♍					
evening set	-11386 Jul 25 j 14:43	22°♍05'55		conjunction	-11380 Jan 26 j 04:13	15°♌11'06	-1°39'50
				minimum elong	-11380 Jan 26 j 04:10	15°♌11'04	1°40'14
conjunction	-11386 Aug 06 j 23:08	24°♍54'04	1°43'46	max. Earth dist.	-11380 Jan 27 j 04:49	15°♌25'19	6.10268 AU
minimum elong	-11386 Aug 06 j 23:07	24°♍54'04	1°44'15	morning rise	-11380 Feb 08 j 21:54	18°♌20'57	
max. Earth dist.	-11386 Aug 06 j 03:27	24°♍42'52	6.28227 AU		-11380 Apr 03 j 21:50	0°♌	
morning rise	-11386 Aug 19 j 07:13	27°♍42'13		retrograde	-11380 Jun 15 j 20:56	7°♌37'36	
	-11386 Aug 29 j 12:56	0°♎		opposition	-11380 Aug 13 j 22:02	2°♌34'39	-2°32'12
retrograde	-11386 Dec 22 j 13:28	15°♎51'58		min. Earth dist.	-11380 Aug 13 j 10:22	2°♌38'39	4.13387 AU
opposition	-11385 Feb 22 j 03:23	10°♎57'26	2°29'22		-11380 Sep 02 j 18:13	30°♌♌	
min. Earth dist.	-11385 Feb 22 j 12:43	10°♎54'28	4.24954 AU	direct	-11380 Oct 11 j 23:58	27°♌32'18	
direct	-11385 Apr 24 j 08:28	6°♎03'16			-11380 Nov 20 j 14:59	0°♌	
evening set	-11385 Aug 26 j 03:52	24°♎12'38		evening set	-11379 Feb 17 j 04:28	16°♌38'03	
conjunction	-11385 Sep 07 j 15:02	27°♎04'51	1°31'01	conjunction	-11379 Mar 02 j 20:41	19°♌44'29	-1°35'50
minimum elong	-11385 Sep 07 j 15:07	27°♎04'53	1°31'40	minimum elong	-11379 Mar 02 j 20:45	19°♌44'31	1°36'27
max. Earth dist.	-11385 Sep 07 j 09:16	27°♎01'31	6.21070 AU	max. Earth dist.	-11379 Mar 03 j 07:05	19°♌50'24	6.16837 AU
morning rise	-11385 Sep 20 j 03:57	29°♎58'05		morning rise	-11379 Mar 16 j 11:32	22°♌50'07	
	-11385 Sep 20 j 07:17	0°♏			-11379 Apr 18 j 08:01	0°♏	
retrograde	-11384 Jan 26 j 10:54	18°♏50'40		retrograde	-11379 Jul 19 j 06:22	11°♏21'01	
opposition	-11384 Mar 27 j 22:43	13°♏52'38	1°47'48	opposition	-11379 Sep 16 j 04:53	6°♏21'41	-2°00'18
min. Earth dist.	-11384 Mar 27 j 20:49	13°♏53'14	4.17254 AU	min. Earth dist.	-11379 Sep 16 j 04:23	6°♏21'51	4.20711 AU
direct	-11384 May 26 j 23:49	8°♏59'45		direct	-11379 Nov 15 j 11:28	1°♏17'36	
evening set	-11384 Sep 26 j 20:42	27°♏22'29		evening set	-11378 Mar 24 j 12:45	20°♏06'58	
	-11384 Oct 08 j 03:19	0°♐					
				conjunction	-11378 Apr 07 j 01:11	23°♏08'54	-0°59'45
conjunction	-11384 Oct 09 j 16:49	0°♐21'52	0°48'40	minimum elong	-11378 Apr 07 j 01:17	23°♏08'57	1°00'21
minimum elong	-11384 Oct 09 j 16:54	0°♐21'55	0°49'14	max. Earth dist.	-11378 Apr 06 j 16:52	23°♏04'13	6.24392 AU
max. Earth dist.	-11384 Oct 10 j 04:20	0°♐28'35	6.13601 AU	morning rise	-11378 Apr 20 j 10:54	26°♏09'19	

Attention, astronomical year style is used: The year -11378 in astronomical counting style is the year 11379 BCE in historical counting style.

	-11378 May 07 j 22:32	0°♊			-11372 Sep 21 j 18:02	0°♏	
retrograde	-11378 Aug 20 j 12:01	13°♊57'49		evening set	-11372 Oct 01 j 14:49	2°♏16'12	
opposition	-11378 Oct 18 j 19:39	9°♊02'12	-0°50'53				
min. Earth dist.	-11378 Oct 19 j 05:43	8°♊58'52	4.27766 AU	conjunction	-11372 Oct 14 j 12:17	5°♏16'30	0°40'52
direct	-11378 Dec 19 j 06:22	3°♊58'07		minimum elong	-11372 Oct 14 j 12:21	5°♏16'32	0°41'25
	-11377 Mar 23 j 02:50	15°♊		max. Earth dist.	-11372 Oct 15 j 01:36	5°♏24'16	6.12971 AU
evening set	-11377 Apr 27 j 05:23	22°♊27'19		morning rise	-11372 Oct 27 j 13:12	8°♏18'40	
					-11372 Nov 26 j 08:55	15°♏	
conjunction	-11377 May 10 j 10:44	25°♊23'57	-0°05'43	retrograde	-11371 Mar 07 j 08:51	27°♏53'05	
minimum elong	-11377 May 10 j 10:44	25°♊23'57	0°06'06	opposition	-11371 May 07 j 07:20	22°♏50'49	0°15'34
behind sun begin	-11377 May 10 j 03:02	25°♊19'40		min. Earth dist.	-11371 May 06 j 16:34	22°♏55'42	4.10114 AU
behind sun end	-11377 May 10 j 18:26	25°♊28'14		direct	-11371 Jul 05 j 02:28	17°♏57'05	
max. Earth dist.	-11377 May 09 j 13:19	25°♊12'00	6.30500 AU	desc. node	-11371 Jul 12 j 22:47	18°♏03'23	
morning rise	-11377 May 23 j 12:28	28°♊18'46			-11371 Oct 06 j 17:37	0°♐	
	-11377 May 31 j 04:08	0°♐		evening set	-11371 Nov 05 j 05:58	6°♐39'47	
asc. node	-11377 Jun 19 j 01:43	4°♐02'22					
retrograde	-11377 Sep 21 j 05:51	15°♐41'50		conjunction	-11371 Nov 18 j 13:51	9°♐46'47	-0°19'58
opposition	-11377 Nov 20 j 04:12	10°♐49'03	0°32'09	minimum elong	-11371 Nov 18 j 13:49	9°♐46'46	0°19'43
min. Earth dist.	-11377 Nov 20 j 22:08	10°♐43'15	4.32428 AU	max. Earth dist.	-11371 Nov 19 j 17:26	10°♐02'56	6.08113 AU
direct	-11376 Jan 21 j 10:19	5°♐46'44		morning rise	-11371 Dec 02 j 01:10	12°♐55'40	
evening set	-11376 May 28 j 12:20	23°♐59'31			-11370 Feb 28 j 12:45	0°♑	
max. Earth dist.	-11376 Jun 09 j 02:55	26°♐34'40	6.33336 AU	retrograde	-11370 Apr 12 j 12:42	2°♑48'31	
					-11370 May 25 j 06:20	30°♑	
conjunction	-11376 Jun 10 j 08:09	26°♐51'00	0°49'17	opposition	-11370 Jun 11 j 16:13	27°♑43'54	-1°14'29
minimum elong	-11376 Jun 10 j 08:04	26°♐50'57	0°49'12	min. Earth dist.	-11370 Jun 10 j 20:30	27°♑50'34	4.07233 AU
morning rise	-11376 Jun 23 j 00:59	29°♐40'57		direct	-11370 Aug 08 j 21:08	22°♑47'39	
	-11376 Jun 24 j 11:20	0°♑			-11370 Oct 17 j 08:50	0°♑	
retrograde	-11376 Oct 22 j 02:57	17°♑01'35		evening set	-11370 Dec 11 j 13:10	11°♑48'29	
opposition	-11376 Dec 21 j 18:29	12°♑09'52	1°44'51				
min. Earth dist.	-11376 Dec 22 j 15:01	12°♑03'19	4.33339 AU	conjunction	-11370 Dec 25 j 03:38	14°♑58'32	-1°14'16
direct	-11375 Feb 22 j 05:47	7°♑10'21		minimum elong	-11370 Dec 25 j 03:32	14°♑58'28	1°14'23
evening set	-11375 Jun 28 j 21:49	25°♑14'20		max. Earth dist.	-11370 Dec 26 j 09:44	15°♑16'04	6.07374 AU
max. Earth dist.	-11375 Jul 10 j 07:21	27°♑47'50	6.32148 AU	morning rise	-11369 Jan 07 j 20:45	18°♑09'50	
					-11369 Mar 04 j 05:57	0°♒	
conjunction	-11375 Jul 11 j 09:28	28°♑02'32	1°29'36	retrograde	-11369 May 18 j 02:17	7°♒54'22	
minimum elong	-11375 Jul 11 j 09:23	28°♑02'29	1°29'52	opposition	-11369 Jul 16 j 13:04	2°♒49'37	-2°17'39
	-11375 Jul 20 j 02:11	0°♒		min. Earth dist.	-11369 Jul 15 j 18:46	2°♒55'53	4.08836 AU
morning rise	-11375 Jul 23 j 19:09	0°♒49'53			-11369 Aug 07 j 13:45	30°♒	
	-11375 Oct 05 j 19:36	15°♒		direct	-11369 Sep 12 j 22:09	27°♒49'54	
retrograde	-11375 Nov 23 j 16:55	18°♒29'55			-11369 Oct 19 j 12:05	0°♒	
	-11374 Jan 12 j 23:12	15°♒			-11368 Jan 08 j 20:28	15°♒	
opposition	-11374 Jan 23 j 23:46	13°♒37'26	2°27'19	evening set	-11368 Jan 17 j 14:48	16°♒59'47	
min. Earth dist.	-11374 Jan 24 j 16:19	13°♒32'12	4.30250 AU				
direct	-11374 Mar 27 j 00:20	8°♒41'06		conjunction	-11368 Jan 31 j 07:45	20°♒08'59	-1°41'28
	-11374 Jun 02 j 17:35	15°♒		minimum elong	-11368 Jan 31 j 07:42	20°♒08'58	1°41'55
evening set	-11374 Jul 30 j 01:57	26°♒44'30		max. Earth dist.	-11368 Feb 01 j 07:23	20°♒22'36	6.11054 AU
				morning rise	-11368 Feb 14 j 01:03	23°♒18'18	
conjunction	-11374 Aug 11 j 10:11	29°♒32'59	1°43'53		-11368 Mar 15 j 05:31	0°♓	
minimum elong	-11374 Aug 11 j 10:11	29°♒32'59	1°44'24	retrograde	-11368 Jun 20 j 15:13	12°♓29'11	
max. Earth dist.	-11374 Aug 10 j 15:57	29°♒22'35	6.27291 AU	opposition	-11368 Aug 18 j 14:13	7°♓26'43	-2°30'43
	-11374 Aug 13 j 09:33	0°♓		min. Earth dist.	-11368 Aug 18 j 04:38	7°♓29'59	4.14285 AU
morning rise	-11374 Aug 23 j 18:36	2°♓21'38		direct	-11368 Oct 16 j 20:01	2°♓24'01	
retrograde	-11374 Dec 27 j 11:29	20°♓37'07		evening set	-11367 Feb 22 j 04:32	21°♓28'19	
opposition	-11373 Feb 27 j 01:18	15°♓42'07	2°26'14				
min. Earth dist.	-11373 Feb 27 j 09:11	15°♓39'36	4.23985 AU	conjunction	-11367 Mar 07 j 20:24	24°♓34'14	-1°32'29
direct	-11373 Apr 29 j 03:32	10°♓48'13		minimum elong	-11367 Mar 07 j 20:29	24°♓34'16	1°33'06
evening set	-11373 Aug 30 j 17:39	28°♓58'40		max. Earth dist.	-11367 Mar 08 j 03:17	24°♓38'09	6.17766 AU
	-11373 Sep 04 j 04:20	0°♔		morning rise	-11367 Mar 21 j 10:49	27°♓39'16	
					-11367 Mar 31 j 22:14	0°♔	
conjunction	-11373 Sep 12 j 05:51	1°♔51'43	1°26'38	retrograde	-11367 Jul 23 j 18:40	16°♔04'14	
minimum elong	-11373 Sep 12 j 05:56	1°♔51'46	1°27'15	opposition	-11367 Sep 20 j 18:36	11°♔05'23	-1°52'23
max. Earth dist.	-11373 Sep 12 j 03:24	1°♔50'18	6.20160 AU	min. Earth dist.	-11367 Sep 20 j 19:19	11°♔05'09	4.21589 AU
morning rise	-11373 Sep 24 j 19:54	4°♔45'53		direct	-11367 Nov 20 j 04:36	6°♔01'08	
retrograde	-11372 Jan 31 j 10:40	23°♔43'29		evening set	-11366 Mar 29 j 08:04	24°♔48'29	
opposition	-11372 Apr 01 j 22:23	18°♔44'56	1°38'23				
min. Earth dist.	-11372 Apr 01 j 18:05	18°♔46'20	4.16454 AU	conjunction	-11366 Apr 11 j 19:47	27°♔49'49	-0°52'53
direct	-11372 May 31 j 19:08	13°♔52'08		minimum elong	-11366 Apr 11 j 19:52	27°♔49'52	0°53'28

Attention, astronomical year style is used: The year -11366 in astronomical counting style is the year 11367 BCE in historical counting style.

max. Earth dist.	-11366 Apr 11 j 09:24	27° $\text{♁}$ 43'59	6.25178 AU	retrograde	-11360 Feb 05 j 08:50	28° $\text{♁}$ 30'23	
	-11366 Apr 21 j 11:49	0° $\text{♁}$		opposition	-11360 Apr 06 j 19:36	23° $\text{♁}$ 31'15	1°28'26
morning rise	-11366 Apr 25 j 04:32	0° $\text{♁}$ 49'33		min. Earth dist.	-11360 Apr 06 j 13:45	23° $\text{♁}$ 33'09	4.15747 AU
	-11366 Jul 07 j 18:50	15° $\text{♁}$		direct	-11360 Jun 05 j 12:54	18° $\text{♁}$ 38'22	
retrograde	-11366 Aug 25 j 00:06	18° $\text{♁}$ 33'58			-11360 Sep 04 j 17:37	0° $\text{♁}$	
	-11366 Oct 12 j 23:01	15° $\text{♁}$		evening set	-11360 Oct 06 j 06:59	7° $\text{♁}$ 03'44	
opposition	-11366 Oct 23 j 08:32	13° $\text{♁}$ 38'50	-0°39'30				
min. Earth dist.	-11366 Oct 23 j 20:20	13° $\text{♁}$ 34'57	4.28384 AU	conjunction	-11360 Oct 19 j 06:01	10° $\text{♁}$ 04'58	0°32'55
direct	-11366 Dec 23 j 22:34	8° $\text{♁}$ 34'55		minimum elong	-11360 Oct 19 j 06:04	10° $\text{♁}$ 05'00	0°33'26
	-11365 Mar 02 j 20:47	15° $\text{♁}$		max. Earth dist.	-11360 Oct 19 j 22:20	10° $\text{♁}$ 14'29	6.12358 AU
asc. node	-11365 Apr 28 j 06:04	26° $\text{♁}$ 14'43		morning rise	-11360 Nov 01 j 08:20	13° $\text{♁}$ 08'04	
evening set	-11365 May 01 j 20:08	27° $\text{♁}$ 02'15			-11360 Nov 09 j 10:44	15° $\text{♁}$	
max. Earth dist.	-11365 May 14 j 00:49	29° $\text{♁}$ 45'10	6.30903 AU		-11359 Jan 28 j 08:28	0° $\text{♁}$	
				retrograde	-11359 Mar 12 j 08:33	2° $\text{♁}$ 45'28	
conjunction	-11365 May 15 j 00:18	29° $\text{♁}$ 58'15	0°02'27		-11359 Apr 24 j 06:41	30° $\text{♁}$	
minimum elong	-11365 May 15 j 00:17	29° $\text{♁}$ 58'15	0°02'06	opposition	-11359 May 12 j 04:24	27° $\text{♁}$ 42'49	0°02'49
behind sun begin	-11365 May 14 j 16:10	29° $\text{♁}$ 53'45		min. Earth dist.	-11359 May 11 j 13:15	27° $\text{♁}$ 47'51	4.09643 AU
behind sun end	-11365 May 15 j 08:24	0° $\text{♁}$ 02'45		desc. node	-11359 May 24 j 05:26	26° $\text{♁}$ 08'37	
	-11365 May 15 j 03:31	0° $\text{♁}$		direct	-11359 Jul 09 j 20:46	22° $\text{♁}$ 48'51	
morning rise	-11365 May 28 j 00:56	2° $\text{♁}$ 52'27			-11359 Sep 17 j 07:19	0° $\text{♁}$	
retrograde	-11365 Sep 25 j 17:09	20° $\text{♁}$ 14'26		evening set	-11359 Nov 10 j 03:38	11° $\text{♁}$ 33'48	
opposition	-11365 Nov 24 j 17:57	15° $\text{♁}$ 21'52	0°43'32				
min. Earth dist.	-11365 Nov 25 j 12:10	15° $\text{♁}$ 15'59	4.32618 AU	conjunction	-11359 Nov 23 j 12:32	14° $\text{♁}$ 41'23	-0°28'20
direct	-11364 Jan 26 j 01:11	10° $\text{♁}$ 19'52		minimum elong	-11359 Nov 23 j 12:29	14° $\text{♁}$ 41'22	0°28'07
evening set	-11364 Jun 01 j 23:51	28° $\text{♁}$ 31'30		max. Earth dist.	-11359 Nov 24 j 15:16	14° $\text{♁}$ 57'03	6.07810 AU
	-11364 Jun 08 j 14:58	0° $\text{♁}$		morning rise	-11359 Dec 07 j 01:06	17° $\text{♁}$ 50'54	
					-11358 Feb 01 j 22:35	0° $\text{♁}$	
conjunction	-11364 Jun 14 j 18:26	1° $\text{♁}$ 22'25	0°56'10	retrograde	-11358 Apr 17 j 10:07	7° $\text{♁}$ 44'18	
minimum elong	-11364 Jun 14 j 18:21	1° $\text{♁}$ 22'22	0°56'08	opposition	-11358 Jun 16 j 12:06	2° $\text{♁}$ 39'32	-1°25'26
max. Earth dist.	-11364 Jun 13 j 14:30	1° $\text{♁}$ 06'48	6.33311 AU	min. Earth dist.	-11358 Jun 15 j 15:59	2° $\text{♁}$ 46'22	4.07135 AU
morning rise	-11364 Jun 27 j 09:58	4° $\text{♁}$ 11'51			-11358 Jul 07 j 06:35	30° $\text{♁}$	
retrograde	-11364 Oct 26 j 16:02	21° $\text{♁}$ 34'10		direct	-11358 Aug 13 j 16:21	27° $\text{♁}$ 42'50	
opposition	-11364 Dec 26 j 10:12	16° $\text{♁}$ 42'28	1°53'02		-11358 Sep 20 j 01:27	0° $\text{♁}$	
min. Earth dist.	-11364 Dec 27 j 06:14	16° $\text{♁}$ 36'06	4.33128 AU	evening set	-11358 Dec 16 j 14:51	16° $\text{♁}$ 46'01	
direct	-11363 Feb 26 j 21:09	11° $\text{♁}$ 43'27					
evening set	-11363 Jul 03 j 07:53	29° $\text{♁}$ 46'44		conjunction	-11358 Dec 30 j 06:04	19° $\text{♁}$ 56'16	-1°19'56
	-11363 Jul 04 j 07:36	0° $\text{♁}$		minimum elong	-11358 Dec 30 j 05:58	19° $\text{♁}$ 56'12	1°20'07
				max. Earth dist.	-11358 Dec 31 j 12:36	20° $\text{♁}$ 14'03	6.07490 AU
conjunction	-11363 Jul 15 j 18:32	2° $\text{♁}$ 34'40	1°33'22	morning rise	-11357 Jan 12 j 23:21	23° $\text{♁}$ 07'34	
minimum elong	-11363 Jul 15 j 18:28	2° $\text{♁}$ 34'38	1°33'40		-11357 Feb 12 j 16:08	0° $\text{♁}$	
max. Earth dist.	-11363 Jul 14 j 16:25	2° $\text{♁}$ 19'57	6.31751 AU	retrograde	-11357 May 23 j 00:06	12° $\text{♁}$ 49'44	
morning rise	-11363 Jul 28 j 03:47	5° $\text{♁}$ 21'55		opposition	-11357 Jul 21 j 07:19	7° $\text{♁}$ 45'14	-2°22'40
	-11363 Sep 12 j 03:41	15° $\text{♁}$		min. Earth dist.	-11357 Jul 20 j 14:45	7° $\text{♁}$ 50'54	4.09165 AU
retrograde	-11363 Nov 28 j 09:29	23° $\text{♁}$ 05'36		direct	-11357 Sep 17 j 18:31	2° $\text{♁}$ 45'07	
opposition	-11362 Jan 28 j 17:49	18° $\text{♁}$ 12'48	2°29'56		-11357 Dec 22 j 11:17	15° $\text{♁}$	
min. Earth dist.	-11362 Jan 29 j 09:10	18° $\text{♁}$ 07'56	4.29709 AU	evening set	-11356 Jan 22 j 17:39	21° $\text{♁}$ 56'07	
	-11362 Feb 25 j 10:55	15° $\text{♁}$					
direct	-11362 Mar 31 j 16:25	13° $\text{♁}$ 16'48		conjunction	-11356 Feb 05 j 10:37	25° $\text{♁}$ 05'08	-1°42'21
	-11362 May 04 j 15:43	15° $\text{♁}$		minimum elong	-11356 Feb 05 j 10:36	25° $\text{♁}$ 05'07	1°42'50
	-11362 Jul 28 j 13:58	0° $\text{♁}$		max. Earth dist.	-11356 Feb 06 j 07:40	25° $\text{♁}$ 17'15	6.11557 AU
evening set	-11362 Aug 03 j 11:50	1° $\text{♁}$ 20'00		morning rise	-11356 Feb 19 j 03:52	28° $\text{♁}$ 14'10	
					-11356 Feb 26 j 22:08	0° $\text{♁}$	
conjunction	-11362 Aug 15 j 20:19	4° $\text{♁}$ 08'46	1°43'21	retrograde	-11356 Jun 25 j 07:24	17° $\text{♁}$ 20'17	
minimum elong	-11362 Aug 15 j 20:20	4° $\text{♁}$ 08'47	1°43'54	opposition	-11356 Aug 23 j 06:14	12° $\text{♁}$ 18'17	-2°28'11
max. Earth dist.	-11362 Aug 15 j 05:33	4° $\text{♁}$ 00'21	6.26649 AU	min. Earth dist.	-11356 Aug 22 j 21:13	12° $\text{♁}$ 21'22	4.14931 AU
morning rise	-11362 Aug 28 j 04:55	6° $\text{♁}$ 57'48		direct	-11356 Oct 21 j 14:18	7° $\text{♁}$ 15'19	
retrograde	-11361 Jan 01 j 06:29	25° $\text{♁}$ 17'50		evening set	-11355 Feb 27 j 04:49	26° $\text{♁}$ 19'02	
opposition	-11361 Mar 03 j 21:27	20° $\text{♁}$ 22'24	2°22'10				
min. Earth dist.	-11361 Mar 04 j 03:36	20° $\text{♁}$ 20'27	4.23279 AU	conjunction	-11355 Mar 12 j 20:21	29° $\text{♁}$ 24'33	-1°28'27
direct	-11361 May 03 j 20:10	15° $\text{♁}$ 28'46		minimum elong	-11355 Mar 12 j 20:26	29° $\text{♁}$ 24'35	1°29'04
	-11361 Aug 19 j 01:37	0° $\text{♁}$		max. Earth dist.	-11355 Mar 13 j 00:48	29° $\text{♁}$ 27'04	6.18529 AU
evening set	-11361 Sep 04 j 05:41	3° $\text{♁}$ 39'30			-11355 Mar 15 j 10:48	0° $\text{♁}$	
				morning rise	-11355 Mar 26 j 10:13	2° $\text{♁}$ 29'03	
conjunction	-11361 Sep 16 j 18:43	6° $\text{♁}$ 33'15	1°21'44	retrograde	-11355 Jul 28 j 09:53	20° $\text{♁}$ 48'45	
minimum elong	-11361 Sep 16 j 18:48	6° $\text{♁}$ 33'18	1°22'21	opposition	-11355 Sep 25 j 09:20	15° $\text{♁}$ 50'29	-1°43'39
max. Earth dist.	-11361 Sep 16 j 17:32	6° $\text{♁}$ 32'34	6.19441 AU	min. Earth dist.	-11355 Sep 25 j 12:10	15° $\text{♁}$ 49'32	4.22381 AU
morning rise	-11361 Sep 29 j 10:06	9° $\text{♁}$ 28'18		direct	-11355 Nov 24 j 23:39	10° $\text{♁}$ 46'14	

Attention, astronomical year style is used: The year -11354 in astronomical counting style is the year 11355 BCE in historical counting style.

evening set	-11354 Apr 03 j 03:30	29° $\text{♁}$ 31'29		max. Earth dist.	-11349 Sep 21 j 10:35	11° $\text{♁}$ 17'55	6.18338 AU
	-11354 Apr 05 j 06:40	0° $\text{♁}$		morning rise	-11349 Oct 04 j 01:08	14° $\text{♁}$ 12'51	
					-11349 Dec 24 j 10:49	0° $\text{♁}$	
conjunction	-11354 Apr 16 j 14:30	2° $\text{♁}$ 32'14	-0°45'37	retrograde	-11348 Feb 10 j 09:30	3° $\text{♁}$ 20'43	
minimum elong	-11354 Apr 16 j 14:35	2° $\text{♁}$ 32'16	0°46'10		-11348 Mar 29 j 19:27	30° $\text{♁}$	
max. Earth dist.	-11354 Apr 16 j 02:48	2° $\text{♁}$ 25'40	6.25954 AU	opposition	-11348 Apr 11 j 17:44	28° $\text{♁}$ 21'05	1°17'52
morning rise	-11354 Apr 29 j 22:17	5° $\text{♁}$ 31'17		min. Earth dist.	-11348 Apr 11 j 11:13	28° $\text{♁}$ 23'12	4.14644 AU
	-11354 Jun 14 j 04:46	15° $\text{♁}$		direct	-11348 Jun 10 j 07:19	23° $\text{♁}$ 28'08	
retrograde	-11354 Aug 29 j 11:01	23° $\text{♁}$ 11'48			-11348 Aug 15 j 17:11	0° $\text{♁}$	
opposition	-11354 Oct 27 j 22:24	18° $\text{♁}$ 17'04	-0°27'47	evening set	-11348 Oct 11 j 01:24	11° $\text{♁}$ 56'28	
min. Earth dist.	-11354 Oct 28 j 10:17	18° $\text{♁}$ 13'09	4.29080 AU				
	-11354 Nov 24 j 05:36	15° $\text{♁}$		conjunction	-11348 Oct 24 j 01:46	14° $\text{♁}$ 58'46	0°24'38
direct	-11354 Dec 28 j 14:39	13° $\text{♁}$ 13'21		minimum elong	-11348 Oct 24 j 01:49	14° $\text{♁}$ 58'48	0°25'06
	-11353 Feb 01 j 08:55	15° $\text{♁}$			-11348 Oct 24 j 03:53	15° $\text{♁}$	
asc. node	-11353 Mar 07 j 10:21	19° $\text{♁}$ 36'12		max. Earth dist.	-11348 Oct 24 j 18:22	15° $\text{♁}$ 08'28	6.11349 AU
	-11353 Apr 29 j 00:20	0° $\text{♁}$		morning rise	-11348 Nov 06 j 05:53	18° $\text{♁}$ 03'04	
evening set	-11353 May 06 j 10:56	1° $\text{♁}$ 38'15			-11347 Jan 01 j 07:03	0° $\text{♁}$	
				retrograde	-11347 Mar 17 j 09:19	7° $\text{♁}$ 44'51	
conjunction	-11353 May 19 j 13:43	4° $\text{♁}$ 33'27	0°10'31	desc. node	-11347 Apr 03 j 10:25	7° $\text{♁}$ 17'07	
minimum elong	-11353 May 19 j 13:42	4° $\text{♁}$ 33'27	0°10'12	min. Earth dist.	-11347 May 16 j 10:57	2° $\text{♁}$ 47'19	4.08813 AU
behind sun begin	-11353 May 19 j 07:16	4° $\text{♁}$ 29'52		opposition	-11347 May 17 j 03:41	2° $\text{♁}$ 41'44	-0°10'13
behind sun end	-11353 May 19 j 20:09	4° $\text{♁}$ 37'01			-11347 Jun 07 j 15:05	30° $\text{♁}$	
max. Earth dist.	-11353 May 18 j 13:32	4° $\text{♁}$ 19'57	6.31477 AU	direct	-11347 Jul 14 j 16:41	27° $\text{♁}$ 47'26	
morning rise	-11353 Jun 01 j 13:05	7° $\text{♁}$ 26'53			-11347 Aug 20 j 12:10	0° $\text{♁}$	
retrograde	-11353 Sep 30 j 05:04	24° $\text{♁}$ 47'20		evening set	-11347 Nov 15 j 04:44	16° $\text{♁}$ 36'03	
opposition	-11353 Nov 29 j 08:01	19° $\text{♁}$ 55'00	0°54'40				
min. Earth dist.	-11353 Nov 30 j 03:13	19° $\text{♁}$ 48'49	4.33010 AU	conjunction	-11347 Nov 28 j 14:58	19° $\text{♁}$ 44'26	-0°36'42
direct	-11352 Jan 30 j 17:47	14° $\text{♁}$ 53'23		minimum elong	-11347 Nov 28 j 14:53	19° $\text{♁}$ 44'23	0°36'32
	-11352 May 23 j 12:49	0° $\text{♁}$		max. Earth dist.	-11347 Nov 29 j 19:59	20° $\text{♁}$ 01'26	6.07234 AU
evening set	-11352 Jun 06 j 10:45	3° $\text{♁}$ 02'55		morning rise	-11347 Dec 12 j 04:24	22° $\text{♁}$ 54'34	
max. Earth dist.	-11352 Jun 17 j 23:30	5° $\text{♁}$ 37'15	6.33454 AU		-11346 Jan 12 j 17:42	0° $\text{♁}$	
				retrograde	-11346 Apr 22 j 13:40	12° $\text{♁}$ 49'11	
conjunction	-11352 Jun 19 j 04:01	5° $\text{♁}$ 53'11	1°02'42	opposition	-11346 Jun 21 j 11:17	7° $\text{♁}$ 44'19	-1°36'06
minimum elong	-11352 Jun 19 j 03:55	5° $\text{♁}$ 53'08	1°02'44	min. Earth dist.	-11346 Jun 20 j 16:00	7° $\text{♁}$ 50'52	4.06885 AU
morning rise	-11352 Jul 01 j 18:28	8° $\text{♁}$ 42'05		direct	-11346 Aug 18 j 15:55	2° $\text{♁}$ 47'09	
retrograde	-11352 Oct 31 j 04:10	26° $\text{♁}$ 05'41		evening set	-11346 Dec 21 j 21:05	21° $\text{♁}$ 53'15	
opposition	-11352 Dec 31 j 01:25	21° $\text{♁}$ 13'53	2°00'32				
min. Earth dist.	-11352 Dec 31 j 20:41	21° $\text{♁}$ 07'46	4.33018 AU	conjunction	-11345 Jan 04 j 12:43	25° $\text{♁}$ 03'38	-1°25'13
direct	-11351 Mar 03 j 11:23	16° $\text{♁}$ 15'15		minimum elong	-11345 Jan 04 j 12:37	25° $\text{♁}$ 03'34	1°25'26
	-11351 Jun 18 j 03:28	0° $\text{♁}$		max. Earth dist.	-11345 Jan 05 j 18:21	25° $\text{♁}$ 20'52	6.07571 AU
evening set	-11351 Jul 07 j 16:38	4° $\text{♁}$ 17'30		morning rise	-11345 Jan 18 j 06:25	28° $\text{♁}$ 14'59	
max. Earth dist.	-11351 Jul 19 j 02:40	6° $\text{♁}$ 51'43	6.31372 AU		-11345 Jan 25 j 21:15	0° $\text{♁}$	
					-11345 Apr 14 j 19:11	15° $\text{♁}$	
conjunction	-11351 Jul 20 j 02:37	7° $\text{♁}$ 05'14	1°36'35	retrograde	-11345 May 27 j 22:42	17° $\text{♁}$ 54'11	
minimum elong	-11351 Jul 20 j 02:33	7° $\text{♁}$ 05'12	1°36'55		-11345 Jul 09 j 20:11	15° $\text{♁}$	
morning rise	-11351 Aug 01 j 11:12	9° $\text{♁}$ 52'23		min. Earth dist.	-11345 Jul 25 j 11:46	12° $\text{♁}$ 55'43	4.09617 AU
	-11351 Aug 24 j 20:54	15° $\text{♁}$		opposition	-11345 Jul 26 j 04:40	12° $\text{♁}$ 49'55	-2°26'48
retrograde	-11351 Dec 03 j 01:15	27° $\text{♁}$ 39'54		direct	-11345 Sep 22 j 16:52	7° $\text{♁}$ 49'23	
opposition	-11350 Feb 02 j 11:16	22° $\text{♁}$ 46'51	2°31'40		-11345 Dec 01 j 22:17	15° $\text{♁}$	
min. Earth dist.	-11350 Feb 03 j 02:11	22° $\text{♁}$ 42'08	4.29073 AU	evening set	-11344 Jan 28 j 00:11	27° $\text{♁}$ 00'52	
direct	-11350 Apr 05 j 07:58	17° $\text{♁}$ 51'14					
	-11350 Jul 12 j 00:46	0° $\text{♁}$		conjunction	-11344 Feb 10 j 17:07	0° $\text{♁}$ 09'32	-1°42'32
evening set	-11350 Aug 07 j 21:09	5° $\text{♁}$ 54'38		minimum elong	-11344 Feb 10 j 17:07	0° $\text{♁}$ 09'32	1°43'04
					-11344 Feb 10 j 00:33	0° $\text{♁}$	
conjunction	-11350 Aug 20 j 05:41	8° $\text{♁}$ 43'48	1°42'14	max. Earth dist.	-11344 Feb 11 j 12:34	0° $\text{♁}$ 20'42	6.12360 AU
minimum elong	-11350 Aug 20 j 05:43	8° $\text{♁}$ 43'49	1°42'48	morning rise	-11344 Feb 24 j 10:04	3° $\text{♁}$ 18'02	
max. Earth dist.	-11350 Aug 19 j 15:04	8° $\text{♁}$ 35'27	6.25790 AU	retrograde	-11344 Jun 30 j 03:19	22° $\text{♁}$ 17'55	
morning rise	-11350 Sep 01 j 14:57	11° $\text{♁}$ 33'25		opposition	-11344 Aug 28 j 01:13	17° $\text{♁}$ 16'22	-2°24'34
retrograde	-11349 Jan 06 j 02:00	29° $\text{♁}$ 59'01		min. Earth dist.	-11344 Aug 27 j 18:00	17° $\text{♁}$ 18'50	4.16020 AU
opposition	-11349 Mar 08 j 17:16	25° $\text{♁}$ 03'03	2°17'16	direct	-11344 Oct 26 j 14:10	12° $\text{♁}$ 13'09	
min. Earth dist.	-11349 Mar 08 j 21:40	25° $\text{♁}$ 01'39	4.22245 AU		-11343 Feb 26 j 18:31	0° $\text{♁}$	
direct	-11349 May 08 j 11:41	20° $\text{♁}$ 09'33		evening set	-11343 Mar 04 j 06:47	1° $\text{♁}$ 14'07	
	-11349 Aug 01 j 12:17	0° $\text{♁}$					
evening set	-11349 Sep 08 j 18:11	8° $\text{♁}$ 21'59		conjunction	-11343 Mar 17 j 21:57	4° $\text{♁}$ 18'55	-1°23'48
				minimum elong	-11343 Mar 17 j 22:03	4° $\text{♁}$ 18'58	1°24'26
conjunction	-11349 Sep 21 j 08:33	11° $\text{♁}$ 16'44	1°16'19	max. Earth dist.	-11343 Mar 18 j 01:47	4° $\text{♁}$ 21'05	6.19851 AU
minimum elong	-11349 Sep 21 j 08:38	11° $\text{♁}$ 16'47	1°16'56	morning rise	-11343 Mar 31 j 11:00	7° $\text{♁}$ 22'33	

Attention, astronomical year style is used: The year -11343 in astronomical counting style is the year 11344 BCE in historical counting style.

retrograde	-11343 Aug 01 j 22:45	25° $\text{Z}$ 34'45		direct	-11337 May 13 j 00:37	24° $\text{H}$ 42'20	
opposition	-11343 Sep 30 j 00:52	20° $\text{Z}$ 36'59	-1°34'13		-11337 Jul 12 j 01:09	0° $\text{G}$	
min. Earth dist.	-11343 Sep 30 j 03:44	20° $\text{Z}$ 36'02	4.23822 AU	evening set	-11337 Sep 13 j 04:26	12° $\text{G}$ 58'03	
direct	-11343 Nov 29 j 18:38	15° $\text{Z}$ 32'44					
	-11342 Mar 19 j 14:27	0° $\approx$		conjunction	-11337 Sep 25 j 19:57	15° $\text{G}$ 54'00	1°10'32
evening set	-11342 Apr 07 j 22:47	4° $\approx$ 13'21		minimum elong	-11337 Sep 25 j 20:02	15° $\text{G}$ 54'03	1°11'10
				max. Earth dist.	-11337 Sep 25 j 22:13	15° $\text{G}$ 55'19	6.16842 AU
conjunction	-11342 Apr 21 j 08:34	7° $\approx$ 13'02	-0°38'07	morning rise	-11337 Oct 08 j 14:14	18° $\text{G}$ 51'28	
minimum elong	-11342 Apr 21 j 08:38	7° $\approx$ 13'04	0°38'38		-11337 Nov 29 j 19:34	0° $\text{Q}$	
max. Earth dist.	-11342 Apr 20 j 18:20	7° $\approx$ 05'04	6.27421 AU	retrograde	-11336 Feb 15 j 06:39	8° $\text{Q}$ 06'50	
morning rise	-11342 May 04 j 15:17	10° $\approx$ 11'02		opposition	-11336 Apr 16 j 13:52	3° $\text{Q}$ 06'42	1°06'58
	-11342 May 26 j 18:13	15° $\approx$		min. Earth dist.	-11336 Apr 16 j 05:10	3° $\text{Q}$ 09'33	4.13136 AU
retrograde	-11342 Sep 02 j 21:55	27° $\approx$ 45'26			-11336 May 12 j 11:37	30° $\text{R}$ $\text{G}$	
opposition	-11342 Nov 01 j 11:10	22° $\approx$ 51'07	-0°16'06	direct	-11336 Jun 14 j 21:58	28° $\text{G}$ 13'44	
min. Earth dist.	-11342 Nov 02 j 01:02	22° $\approx$ 46'34	4.30438 AU		-11336 Jul 18 j 01:48	0° $\text{Q}$	
direct	-11341 Jan 02 j 08:36	17° $\approx$ 47'36			-11336 Oct 08 j 02:26	15° $\text{Q}$	
asc. node	-11341 Jan 16 j 00:26	18° $\approx$ 04'43		evening set	-11336 Oct 15 j 19:10	16° $\text{Q}$ 46'55	
	-11341 Apr 12 j 08:04	0° $\text{H}$					
evening set	-11341 May 10 j 23:00	6° $\text{H}$ 07'42		conjunction	-11336 Oct 28 j 21:17	19° $\text{Q}$ 50'33	0°16'17
max. Earth dist.	-11341 May 22 j 23:48	8° $\text{H}$ 48'07	6.32613 AU	minimum elong	-11336 Oct 28 j 21:19	19° $\text{Q}$ 50'34	0°16'44
				max. Earth dist.	-11336 Oct 29 j 17:05	20° $\text{Q}$ 02'09	6.09993 AU
conjunction	-11341 May 24 j 00:31	9° $\text{H}$ 01'53	0°18'19	morning rise	-11336 Nov 11 j 02:52	22° $\text{Q}$ 56'09	
minimum elong	-11341 May 24 j 00:29	9° $\text{H}$ 01'52	0°18'02		-11336 Dec 12 j 13:37	0° $\text{P}$	
morning rise	-11341 Jun 05 j 22:25	11° $\text{H}$ 54'17		desc. node	-11335 Feb 11 j 20:38	10° $\text{P}$ 27'26	
retrograde	-11341 Oct 04 j 11:53	29° $\text{H}$ 11'43		retrograde	-11335 Mar 22 j 12:29	12° $\text{P}$ 43'34	
opposition	-11341 Dec 03 j 19:07	24° $\text{H}$ 19'33	1°05'06	min. Earth dist.	-11335 May 21 j 09:34	7° $\text{P}$ 45'47	4.07740 AU
min. Earth dist.	-11341 Dec 04 j 14:09	24° $\text{H}$ 13'26	4.33854 AU	opposition	-11335 May 22 j 02:25	7° $\text{P}$ 40'09	-0°23'06
direct	-11340 Feb 04 j 05:44	19° $\text{H}$ 18'17		direct	-11335 Jul 19 j 13:37	2° $\text{P}$ 45'33	
	-11340 May 06 j 20:00	0° $\text{Y}$		evening set	-11335 Nov 20 j 06:34	21° $\text{P}$ 38'58	
evening set	-11340 Jun 10 j 17:41	7° $\text{Y}$ 24'24					
max. Earth dist.	-11340 Jun 22 j 04:39	9° $\text{Y}$ 57'42	6.33923 AU	conjunction	-11335 Dec 03 j 17:52	24° $\text{P}$ 48'08	-0°44'46
				minimum elong	-11335 Dec 03 j 17:47	24° $\text{P}$ 48'05	0°44'40
conjunction	-11340 Jun 23 j 09:34	10° $\text{Y}$ 13'53	1°08'39	max. Earth dist.	-11335 Dec 04 j 23:40	25° $\text{P}$ 05'36	6.06541 AU
minimum elong	-11340 Jun 23 j 09:29	10° $\text{Y}$ 13'50	1°08'43	morning rise	-11335 Dec 17 j 08:30	27° $\text{P}$ 59'02	
morning rise	-11340 Jul 05 j 22:53	13° $\text{Y}$ 02'06			-11335 Dec 26 j 01:54	0° $\text{A}$	
	-11340 Oct 18 j 18:21	0° $\text{B}$		retrograde	-11334 Apr 27 j 14:58	17° $\text{A}$ 54'49	
retrograde	-11340 Nov 04 j 13:43	0° $\text{B}$ 26'21		opposition	-11334 Jun 26 j 10:13	12° $\text{A}$ 49'51	-1°46'01
	-11340 Nov 21 j 08:52	30° $\text{R}$ $\text{Y}$		min. Earth dist.	-11334 Jun 25 j 13:32	12° $\text{A}$ 56'54	4.06671 AU
opposition	-11339 Jan 04 j 12:46	25° $\text{Y}$ 34'34	2°07'02	direct	-11334 Aug 23 j 13:31	7° $\text{A}$ 52'14	
min. Earth dist.	-11339 Jan 05 j 09:14	25° $\text{Y}$ 28'04	4.33080 AU	evening set	-11334 Dec 27 j 03:24	27° $\text{A}$ 00'55	
direct	-11339 Mar 07 j 23:20	20° $\text{Y}$ 36'19			-11333 Jan 08 j 23:59	0° $\text{M}$	
	-11339 Jun 01 j 04:08	0° $\text{B}$					
evening set	-11339 Jul 11 j 21:14	8° $\text{B}$ 37'16		conjunction	-11333 Jan 09 j 19:29	0° $\text{M}$ .11'21	-1°29'49
max. Earth dist.	-11339 Jul 23 j 05:50	11° $\text{B}$ 10'53	6.30998 AU	minimum elong	-11333 Jan 09 j 19:24	0° $\text{M}$ .11'17	1°30'05
				max. Earth dist.	-11333 Jan 11 j 01:02	0° $\text{M}$ .28'32	6.07827 AU
conjunction	-11339 Jul 24 j 06:35	11° $\text{B}$ 24'52	1°39'07	morning rise	-11333 Jan 23 j 13:20	3° $\text{M}$ .22'35	
minimum elong	-11339 Jul 24 j 06:32	11° $\text{B}$ 24'50	1°39'29		-11333 Mar 18 j 23:01	15° $\text{M}$	
morning rise	-11339 Aug 05 j 14:54	14° $\text{B}$ 12'00		retrograde	-11333 Mar 01 j 21:43	22° $\text{M}$ .57'52	
	-11339 Aug 09 j 04:33	15° $\text{B}$		min. Earth dist.	-11333 Jul 30 j 10:03	17° $\text{M}$ .59'05	4.10296 AU
	-11339 Oct 31 j 09:08	0° $\text{H}$		opposition	-11333 Jul 31 j 01:37	17° $\text{M}$ .53'45	-2°29'47
retrograde	-11339 Dec 07 j 12:35	2° $\text{H}$ 03'37			-11333 Aug 22 j 16:11	15° $\text{R}$ $\text{M}$	
	-11338 Jan 14 j 03:01	30° $\text{R}$ $\text{B}$		direct	-11333 Sep 27 j 17:13	12° $\text{M}$ .52'44	
opposition	-11338 Feb 07 j 00:20	27° $\text{B}$ 10'17	2°32'29		-11333 Nov 03 j 01:27	15° $\text{M}$	
min. Earth dist.	-11338 Feb 07 j 14:11	27° $\text{B}$ 05'54	4.28302 AU		-11332 Jan 24 j 03:31	0° $\text{A}$	
direct	-11338 Apr 09 j 17:16	22° $\text{B}$ 14'58		evening set	-11332 Feb 02 j 05:23	2° $\text{A}$ 03'22	
	-11338 Jun 24 j 02:23	0° $\text{H}$					
evening set	-11338 Aug 12 j 02:45	10° $\text{H}$ 19'33		conjunction	-11332 Feb 15 j 22:21	5° $\text{A}$ 11'34	-1°41'58
				minimum elong	-11332 Feb 15 j 22:22	5° $\text{A}$ 11'35	1°42'30
conjunction	-11338 Aug 24 j 11:49	13° $\text{H}$ 09'21	1°40'32	max. Earth dist.	-11332 Feb 16 j 17:30	5° $\text{A}$ 22'32	6.13372 AU
minimum elong	-11338 Aug 24 j 11:51	13° $\text{H}$ 09'22	1°41'07	morning rise	-11332 Feb 29 j 14:49	8° $\text{A}$ 19'25	
max. Earth dist.	-11338 Aug 23 j 23:14	13° $\text{H}$ 02'08	6.24689 AU	retrograde	-11332 Jul 04 j 19:47	27° $\text{A}$ 12'03	
morning rise	-11338 Sep 05 j 21:35	15° $\text{H}$ 59'42		opposition	-11332 Sep 01 j 18:24	22° $\text{A}$ 10'58	-2°19'57
	-11338 Nov 15 j 09:24	0° $\text{G}$		min. Earth dist.	-11332 Sep 01 j 11:43	22° $\text{A}$ 13'14	4.17232 AU
retrograde	-11337 Jan 10 j 20:28	4° $\text{G}$ 31'56		direct	-11332 Oct 31 j 10:32	17° $\text{A}$ 07'29	
	-11337 Mar 10 j 05:39	30° $\text{R}$ $\text{H}$			-11331 Feb 09 j 09:27	0° $\text{Z}$	
opposition	-11337 Mar 13 j 09:55	29° $\text{H}$ 35'38	2°11'42	evening set	-11331 Mar 09 j 06:49	6° $\text{Z}$ 05'14	
min. Earth dist.	-11337 Mar 13 j 14:18	29° $\text{H}$ 34'14	4.20880 AU				

Attention, astronomical year style is used: The year -11331 in astronomical counting style is the year 11332 BCE in historical counting style.

conjunction	-11331 Mar 22 j 21:17	9° $\text{Z}$ 09'15	-1°18'38	conjunction	-11326 Aug 28 j 23:18	17° $\text{II}$ 48'49	1°38'09
minimum elong	-11331 Mar 22 j 21:23	9° $\text{Z}$ 09'18	1°19'16	minimum elong	-11326 Aug 28 j 23:21	17° $\text{II}$ 48'51	1°38'44
max. Earth dist.	-11331 Mar 22 j 21:17	9° $\text{Z}$ 09'15	6.21141 AU	max. Earth dist.	-11326 Aug 28 j 11:58	17° $\text{II}$ 42'19	6.23503 AU
morning rise	-11331 Apr 05 j 09:44	12° $\text{Z}$ 12'04		morning rise	-11326 Sep 10 j 10:01	20° $\text{II}$ 40'04	
	-11331 Jul 24 j 07:41	0° $\approx$			-11326 Oct 23 j 19:32	0° $\text{Z}$	
retrograde	-11331 Aug 06 j 12:11	0° $\approx$ 17'22		retrograde	-11325 Jan 15 j 18:05	9° $\text{Z}$ 18'54	
	-11331 Aug 19 j 15:16	30° $\text{R}$ 3		opposition	-11325 Mar 18 j 08:05	4° $\text{Z}$ 22'05	2°04'58
opposition	-11331 Oct 04 j 15:10	25° $\text{Z}$ 20'06	-1°24'19	min. Earth dist.	-11325 Mar 18 j 09:31	4° $\text{Z}$ 21'37	4.19674 AU
min. Earth dist.	-11331 Oct 04 j 20:29	25° $\text{Z}$ 18'19	4.25039 AU		-11325 Apr 29 j 17:39	30° $\text{R}$ II	
direct	-11331 Dec 04 j 14:43	20° $\text{Z}$ 15'46		direct	-11325 May 17 j 17:23	29° $\text{II}$ 29'00	
	-11330 Mar 01 j 10:13	0° $\approx$			-11325 Jun 04 j 17:35	0° $\text{Z}$	
evening set	-11330 Apr 12 j 16:04	8° $\approx$ 52'39		evening set	-11325 Sep 17 j 20:09	17° $\text{Z}$ 47'07	
max. Earth dist.	-11330 Apr 25 j 10:03	11° $\approx$ 43'09	6.28478 AU				
conjunction	-11330 Apr 26 j 01:02	11° $\approx$ 51'32	-0°30'27	conjunction	-11325 Sep 30 j 13:05	20° $\text{Z}$ 44'08	1°04'03
minimum elong	-11330 Apr 26 j 01:05	11° $\approx$ 51'34	0°30'57	minimum elong	-11325 Sep 30 j 13:11	20° $\text{Z}$ 44'11	1°04'39
morning rise	-11330 May 09 j 06:29	14° $\approx$ 48'38		max. Earth dist.	-11325 Sep 30 j 19:08	20° $\text{Z}$ 47'40	6.15762 AU
	-11330 May 10 j 02:59	15° $\approx$		morning rise	-11325 Oct 13 j 08:46	23° $\text{Z}$ 42'45	
	-11330 Jul 30 j 19:56	0° $\text{X}$			-11325 Nov 10 j 09:50	0° $\text{Z}$	
retrograde	-11330 Sep 07 j 07:20	2° $\text{X}$ 18'49		retrograde	-11324 Feb 20 j 09:45	13° $\text{Z}$ 03'28	
	-11330 Oct 16 j 02:36	30° $\text{R}$ $\approx$		opposition	-11324 Apr 21 j 14:15	8° $\text{Z}$ 02'50	0°55'09
opposition	-11330 Nov 05 j 23:48	27° $\approx$ 24'53	-0°04'21	min. Earth dist.	-11324 Apr 21 j 04:33	8° $\text{Z}$ 06'00	4.12279 AU
min. Earth dist.	-11330 Nov 06 j 14:03	27° $\approx$ 20'14	4.31248 AU	direct	-11324 Jun 19 j 19:50	3° $\text{Z}$ 09'47	
asc. node	-11330 Nov 26 j 10:14	24° $\approx$ 52'21			-11324 Sep 20 j 17:46	15° $\text{Z}$	
direct	-11329 Jan 06 j 23:13	22° $\approx$ 21'36		evening set	-11324 Oct 20 j 16:45	21° $\text{Z}$ 45'13	
	-11329 Mar 24 j 06:47	0° $\text{X}$					
evening set	-11329 May 15 j 11:20	10° $\text{X}$ 38'55		conjunction	-11324 Nov 02 j 20:13	24° $\text{Z}$ 49'43	0°07'38
max. Earth dist.	-11329 May 27 j 08:15	13° $\text{X}$ 17'12	6.33108 AU	minimum elong	-11324 Nov 02 j 20:14	24° $\text{Z}$ 49'44	0°08'02
conjunction	-11329 May 28 j 11:21	13° $\text{X}$ 32'18	0°26'04	behind sun begin	-11324 Nov 02 j 12:56	24° $\text{Z}$ 45'28	
minimum elong	-11329 May 28 j 11:18	13° $\text{X}$ 32'16	0°25'51	behind sun end	-11324 Nov 03 j 03:33	24° $\text{Z}$ 54'00	
morning rise	-11329 Jun 10 j 08:07	16° $\text{X}$ 23'59		max. Earth dist.	-11324 Nov 03 j 17:51	25° $\text{Z}$ 02'23	6.09457 AU
	-11329 Aug 20 j 07:57	0° $\text{Y}$		morning rise	-11324 Nov 16 j 03:25	27° $\text{Z}$ 56'14	
retrograde	-11329 Oct 08 j 23:45	3° $\text{Y}$ 40'49			-11324 Nov 25 j 01:46	0° $\text{Z}$	
	-11329 Nov 28 j 23:44	30° $\text{R}$ $\text{X}$		desc. node	-11324 Dec 22 j 03:08	5° $\text{Z}$ 57'46	
opposition	-11329 Dec 08 j 08:17	28° $\text{X}$ 48'50	1°15'22	retrograde	-11323 Mar 27 j 13:55	17° $\text{Z}$ 45'25	
min. Earth dist.	-11329 Dec 09 j 04:59	28° $\text{X}$ 42'12	4.34010 AU	min. Earth dist.	-11323 May 26 j 07:21	12° $\text{Z}$ 47'58	4.07601 AU
direct	-11328 Feb 08 j 20:54	23° $\text{X}$ 47'54		opposition	-11323 May 27 j 02:14	12° $\text{Z}$ 41'39	-0°35'56
	-11328 Apr 16 j 19:59	0° $\text{Y}$		direct	-11323 Jul 24 j 10:47	7° $\text{Z}$ 46'43	
evening set	-11328 Jun 15 j 02:55	11° $\text{Y}$ 52'48		evening set	-11323 Nov 25 j 08:55	26° $\text{Z}$ 41'27	
conjunction	-11328 Jun 27 j 17:47	14° $\text{Y}$ 41'53	1°14'22	conjunction	-11323 Dec 08 j 21:04	29° $\text{Z}$ 50'51	-0°52'29
minimum elong	-11328 Jun 27 j 17:41	14° $\text{Y}$ 41'50	1°14'28	minimum elong	-11323 Dec 08 j 20:58	29° $\text{Z}$ 50'48	0°52'27
max. Earth dist.	-11328 Jun 26 j 13:11	14° $\text{Y}$ 25'52	6.33712 AU		-11323 Dec 09 j 12:42	0° $\text{Z}$	
morning rise	-11328 Jul 10 j 06:02	17° $\text{Y}$ 29'44		max. Earth dist.	-11323 Dec 10 j 03:42	0° $\text{Z}$ 08'47	6.06786 AU
	-11328 Sep 11 j 10:25	0° $\text{Z}$		morning rise	-11323 Dec 22 j 12:20	3° $\text{Z}$ 01'51	
retrograde	-11328 Nov 09 j 02:09	4° $\text{Z}$ 56'52		retrograde	-11322 May 02 j 14:05	22° $\text{Z}$ 55'02	
opposition	-11327 Jan 09 j 04:02	0° $\text{Z}$ 04'57	2°13'07	min. Earth dist.	-11322 Jun 30 j 11:19	17° $\text{Z}$ 56'45	4.07281 AU
	-11327 Jan 09 j 19:39	30° $\text{R}$ $\text{Y}$		opposition	-11322 Jul 01 j 07:07	17° $\text{Z}$ 49'59	-1°54'55
min. Earth dist.	-11327 Jan 09 j 23:12	29° $\text{Y}$ 58'52	4.32547 AU	direct	-11322 Aug 28 j 12:22	12° $\text{Z}$ 51'52	
direct	-11327 Mar 12 j 11:44	25° $\text{Y}$ 07'08			-11322 Dec 23 j 13:08	0° $\text{Z}$	
	-11327 May 10 j 17:28	0° $\text{Z}$		evening set	-11321 Jan 01 j 06:55	2° $\text{Z}$ 00'14	
evening set	-11327 Jul 16 j 06:01	13° $\text{Z}$ 08'29		conjunction	-11321 Jan 14 j 23:20	5° $\text{Z}$ 10'21	-1°33'38
	-11327 Jul 24 j 11:43	15° $\text{Z}$		minimum elong	-11321 Jan 14 j 23:15	5° $\text{Z}$ 10'18	1°33'58
conjunction	-11327 Jul 28 j 14:52	15° $\text{Z}$ 56'09	1°41'11	max. Earth dist.	-11321 Jan 16 j 04:48	5° $\text{Z}$ 27'26	6.08723 AU
minimum elong	-11327 Jul 28 j 14:50	15° $\text{Z}$ 56'08	1°41'37	morning rise	-11321 Jan 28 j 17:02	8° $\text{Z}$ 21'03	
max. Earth dist.	-11327 Jul 27 j 15:28	15° $\text{Z}$ 42'53	6.30174 AU		-11321 Feb 27 j 11:45	15° $\text{Z}$	
morning rise	-11327 Aug 09 j 22:57	18° $\text{Z}$ 43'32		retrograde	-11321 Jun 06 j 15:04	27° $\text{Z}$ 50'06	
	-11327 Oct 03 j 18:19	0° $\text{II}$		opposition	-11321 Aug 04 j 18:11	22° $\text{Z}$ 46'20	-2°31'34
retrograde	-11327 Dec 12 j 07:56	6° $\text{II}$ 40'41		min. Earth dist.	-11321 Aug 04 j 03:28	22° $\text{Z}$ 51'22	4.11400 AU
opposition	-11326 Feb 11 j 19:18	1° $\text{II}$ 47'04	2°32'27	direct	-11321 Oct 02 j 12:07	17° $\text{Z}$ 44'55	
min. Earth dist.	-11326 Feb 12 j 08:55	1° $\text{II}$ 42'44	4.27246 AU		-11320 Jan 06 j 22:49	0° $\text{Z}$	
	-11326 Feb 26 j 04:52	30° $\text{R}$ $\text{Z}$		evening set	-11320 Feb 07 j 05:58	6° $\text{Z}$ 53'35	
direct	-11326 Apr 14 j 09:38	26° $\text{Z}$ 52'07		conjunction	-11320 Feb 20 j 22:35	10° $\text{Z}$ 01'09	-1°40'43
	-11326 May 30 j 11:04	0° $\text{II}$		minimum elong	-11320 Feb 20 j 22:36	10° $\text{Z}$ 01'10	1°41'17
evening set	-11326 Aug 16 j 13:44	14° $\text{II}$ 58'19		max. Earth dist.	-11320 Feb 21 j 13:21	10° $\text{Z}$ 09'36	6.14558 AU
				morning rise	-11320 Mar 05 j 14:45	13° $\text{Z}$ 08'19	

Attention, astronomical year style is used: The year -11320 in astronomical counting style is the year 11321 BCE in historical counting style.

	-11320 Jun 05 j 00:20	0°♂		morning rise	-11315 Aug 14 j 08:51	23°♂19'49	
retrograde	-11320 Jul 09 j 08:35	1°♂53'54			-11315 Sep 13 j 23:52	0°♂	
	-11320 Aug 12 j 11:58	30°♂♂		retrograde	-11315 Dec 17 j 02:37	11°♂22'46	
opposition	-11320 Sep 06 j 07:23	26°♂53'19	-2°14'38	opposition	-11314 Feb 16 j 15:42	6°♂28'44	2°31'23
min. Earth dist.	-11320 Sep 06 j 03:10	26°♂54'45	4.18376 AU	min. Earth dist.	-11314 Feb 17 j 02:30	6°♂25'18	4.26209 AU
direct	-11320 Nov 05 j 04:42	21°♂49'35		direct	-11314 Apr 19 j 01:17	1°♂34'11	
	-11319 Jan 21 j 13:46	0°♂		evening set	-11314 Aug 21 j 02:20	19°♂41'41	
evening set	-11319 Mar 14 j 01:52	10°♂44'43					
				conjunction	-11314 Sep 02 j 12:32	22°♂32'54	1°35'04
conjunction	-11319 Mar 27 j 15:57	13°♂48'09	-1°13'10	minimum elong	-11314 Sep 02 j 12:35	22°♂32'56	1°35'41
minimum elong	-11319 Mar 27 j 16:03	13°♂48'12	1°13'47	max. Earth dist.	-11314 Sep 02 j 04:15	22°♂28'07	6.22495 AU
max. Earth dist.	-11319 Mar 27 j 14:16	13°♂47'12	6.22166 AU	morning rise	-11314 Sep 15 j 00:08	25°♂24'57	
morning rise	-11319 Apr 10 j 03:28	16°♂50'13			-11314 Oct 05 j 10:51	0°♂	
	-11319 Jun 15 j 05:22	0°♂		retrograde	-11313 Jan 20 j 18:27	14°♂09'27	
retrograde	-11319 Aug 10 j 21:51	4°♂50'14		opposition	-11313 Mar 23 j 07:22	9°♂12'04	1°57'18
	-11319 Oct 08 j 06:32	30°♂♂		min. Earth dist.	-11313 Mar 23 j 07:33	9°♂12'00	4.18736 AU
opposition	-11319 Oct 09 j 01:57	29°♂53'32	-1°14'17	direct	-11313 May 22 j 13:53	4°♂19'04	
min. Earth dist.	-11319 Oct 09 j 08:40	29°♂51'18	4.25848 AU	evening set	-11313 Sep 22 j 12:34	22°♂38'29	
direct	-11319 Dec 09 j 04:32	24°♂49'18					
	-11318 Feb 08 j 02:38	0°♂		conjunction	-11313 Oct 05 j 06:51	25°♂36'28	0°57'04
evening set	-11318 Apr 17 j 06:26	13°♂24'13		minimum elong	-11313 Oct 05 j 06:56	25°♂36'31	0°57'39
	-11318 Apr 24 j 10:35	15°♂		max. Earth dist.	-11313 Oct 05 j 15:24	25°♂41'26	6.14979 AU
				morning rise	-11313 Oct 18 j 04:09	28°♂36'08	
conjunction	-11318 Apr 30 j 14:15	16°♂22'28	-0°22'48		-11313 Oct 24 j 05:54	0°♂	
minimum elong	-11318 Apr 30 j 14:17	16°♂22'30	0°23'17		-11312 Jan 11 j 06:08	15°♂	
max. Earth dist.	-11318 Apr 29 j 19:22	16°♂11'56	6.29011 AU	retrograde	-11312 Feb 25 j 10:15	18°♂00'45	
morning rise	-11318 May 13 j 18:49	19°♂19'00			-11312 Apr 10 j 20:38	15°♂♂	
	-11318 Jul 04 j 22:54	0°♂		opposition	-11312 Apr 26 j 14:07	12°♂59'36	0°42'54
retrograde	-11318 Sep 11 j 17:28	6°♂47'10		min. Earth dist.	-11312 Apr 26 j 02:03	13°♂03'33	4.11702 AU
asc. node	-11318 Oct 07 j 17:37	5°♂42'22		direct	-11312 Jun 24 j 15:46	8°♂06'24	
opposition	-11318 Nov 10 j 10:48	1°♂53'39	0°07'09		-11312 Aug 31 j 18:05	15°♂	
min. Earth dist.	-11318 Nov 11 j 03:04	1°♂48'20	4.31477 AU	evening set	-11312 Oct 25 j 14:24	26°♂43'23	
	-11318 Nov 25 j 08:34	30°♂♂		desc. node	-11312 Oct 31 j 09:44	28°♂04'40	
direct	-11317 Jan 11 j 12:55	26°♂50'35					
	-11317 Feb 27 j 15:51	0°♂		conjunction	-11312 Nov 07 j 19:12	29°♂48'37	-0°01'10
evening set	-11317 May 19 j 22:13	15°♂07'18		minimum elong	-11312 Nov 07 j 19:13	29°♂48'38	0°00'48
				behind sun begin	-11312 Nov 07 j 10:59	29°♂43'50	
conjunction	-11317 Jun 01 j 21:09	18°♂00'13	0°33'34	behind sun end	-11312 Nov 08 j 03:26	29°♂53'25	
minimum elong	-11317 Jun 01 j 21:06	18°♂00'11	0°33'23		-11312 Nov 08 j 14:38	0°♂	
max. Earth dist.	-11317 May 31 j 18:28	17°♂45'20	6.33020 AU	max. Earth dist.	-11312 Nov 08 j 18:28	0°♂02'14	6.09128 AU
morning rise	-11317 Jun 14 j 16:35	20°♂51'26		morning rise	-11312 Nov 21 j 03:42	2°♂55'51	
	-11317 Jul 28 j 13:51	0°♂		retrograde	-11311 Apr 01 j 15:06	22°♂46'05	
retrograde	-11317 Oct 13 j 10:26	8°♂09'48		min. Earth dist.	-11311 May 31 j 05:56	17°♂48'19	4.07542 AU
opposition	-11317 Dec 12 j 21:31	3°♂17'59	1°25'09	opposition	-11311 Jun 01 j 00:51	17°♂41'57	-0°48'29
min. Earth dist.	-11317 Dec 13 j 17:34	3°♂11'34	4.33640 AU	direct	-11311 Jul 29 j 08:59	12°♂46'36	
	-11316 Jan 10 j 03:43	30°♂♂			-11311 Nov 23 j 01:08	0°♂	
direct	-11316 Feb 13 j 08:49	28°♂17'32		evening set	-11311 Nov 30 j 10:56	1°♂42'48	
	-11316 Mar 18 j 15:38	0°♂					
evening set	-11316 Jun 19 j 12:34	16°♂22'57		conjunction	-11311 Dec 13 j 23:59	4°♂52'26	-0°59'49
max. Earth dist.	-11316 Jun 30 j 21:14	18°♂55'30	6.33074 AU	minimum elong	-11311 Dec 13 j 23:53	4°♂52'23	0°59'49
				max. Earth dist.	-11311 Dec 15 j 07:39	5°♂10'56	6.07005 AU
conjunction	-11316 Jul 02 j 02:13	19°♂11'46	1°19'38	morning rise	-11311 Dec 27 j 15:49	8°♂03'32	
minimum elong	-11316 Jul 02 j 02:08	19°♂11'43	1°19'47	retrograde	-11310 May 07 j 12:17	27°♂54'06	
morning rise	-11316 Jul 14 j 13:46	21°♂59'31		min. Earth dist.	-11310 Jul 05 j 07:37	22°♂55'46	4.07787 AU
	-11316 Aug 21 j 06:42	0°♂		opposition	-11310 Jul 06 j 03:06	22°♂49'08	-2°02'59
retrograde	-11316 Nov 13 j 18:58	9°♂31'02		direct	-11310 Sep 02 j 08:29	17°♂50'33	
opposition	-11315 Jan 13 j 21:01	4°♂39'01	2°18'25		-11310 Dec 06 j 02:26	0°♂	
min. Earth dist.	-11315 Jan 14 j 16:10	4°♂32'56	4.31705 AU	evening set	-11309 Jan 06 j 10:20	6°♂59'15	
	-11315 Mar 02 j 22:15	30°♂♂					
direct	-11315 Mar 17 j 03:16	29°♂41'38		conjunction	-11309 Jan 20 j 02:48	10°♂09'03	-1°36'49
	-11315 Mar 31 j 07:50	0°♂		minimum elong	-11309 Jan 20 j 02:43	10°♂09'00	1°37'11
	-11315 Jul 08 j 09:29	15°♂		max. Earth dist.	-11309 Jan 21 j 05:05	10°♂24'16	6.09444 AU
evening set	-11315 Jul 20 j 16:10	17°♂44'09		morning rise	-11309 Feb 02 j 20:36	13°♂19'23	
max. Earth dist.	-11315 Aug 01 j 03:44	20°♂20'05	6.29191 AU		-11309 Feb 10 j 04:45	15°♂	
					-11309 Apr 30 j 19:30	0°♂	
conjunction	-11315 Aug 02 j 00:51	20°♂32'05	1°42'38	retrograde	-11309 Jun 11 j 08:29	2°♂43'00	
minimum elong	-11315 Aug 02 j 00:49	20°♂32'04	1°43'05		-11309 Jul 22 j 15:53	30°♂♂	



Attention, astronomical year style is used: The year -11309 in astronomical counting style is the year 11310 BCE in historical counting style.

opposition	-11309 Aug 09 j 10:57	27° $\mathbb{M}$ 39'34	-2°32'22			-11303 Jun 21 j 07:58	15° $\mathcal{B}$	
min. Earth dist.	-11309 Aug 08 j 21:44	27° $\mathbb{M}$ 44'05	4.12273 AU	evening set		-11303 Jul 25 j 01:37	22° $\mathcal{B}$ 17'27	
direct	-11309 Oct 07 j 08:40	22° $\mathbb{M}$ 37'41						
	-11309 Dec 18 j 03:55	0° $\mathcal{A}$		conjunction		-11303 Aug 06 j 09:54	25° $\mathcal{B}$ 05'28	1°43'28
evening set	-11308 Feb 12 j 06:49	11° $\mathcal{A}$ 45'09		minimum elong		-11303 Aug 06 j 09:53	25° $\mathcal{B}$ 05'28	1°43'57
				max. Earth dist.		-11303 Aug 05 j 13:53	24° $\mathcal{B}$ 54'05	6.28571 AU
conjunction	-11308 Feb 25 j 23:24	14° $\mathcal{A}$ 52'15	-1°38'47	morning rise		-11303 Aug 18 j 18:02	27° $\mathcal{B}$ 53'29	
minimum elong	-11308 Feb 25 j 23:27	14° $\mathcal{A}$ 52'17	1°39'23			-11303 Aug 28 j 03:40	0° $\mathbb{I}$	
max. Earth dist.	-11308 Feb 26 j 12:52	14° $\mathcal{A}$ 59'56	6.15530 AU	retrograde		-11303 Dec 21 j 21:53	16° $\mathbb{I}$ 01'06	
morning rise	-11308 Mar 10 j 14:56	17° $\mathcal{A}$ 58'45		opposition		-11302 Feb 21 j 11:11	11° $\mathbb{I}$ 06'39	2°29'22
	-11308 May 07 j 14:07	0° $\mathcal{B}$		min. Earth dist.		-11302 Feb 21 j 20:54	11° $\mathbb{I}$ 03'33	4.25491 AU
retrograde	-11308 Jul 13 j 23:12	6° $\mathcal{B}$ 38'00		direct		-11302 Apr 23 j 18:25	6° $\mathbb{I}$ 12'22	
opposition	-11308 Sep 10 j 21:16	1° $\mathcal{B}$ 37'59	-2°08'25	evening set		-11302 Aug 25 j 13:08	24° $\mathbb{I}$ 20'08	
min. Earth dist.	-11308 Sep 10 j 18:48	1° $\mathcal{B}$ 38'49	4.19345 AU					
	-11308 Sep 23 j 04:03	30° $\mathcal{R}$ $\mathcal{A}$		conjunction		-11302 Sep 07 j 00:10	27° $\mathbb{I}$ 12'00	1°31'26
direct	-11308 Nov 09 j 22:30	26° $\mathcal{A}$ 34'03		minimum elong		-11302 Sep 07 j 00:14	27° $\mathbb{I}$ 12'02	1°32'04
	-11308 Dec 27 j 23:22	0° $\mathcal{B}$		max. Earth dist.		-11302 Sep 06 j 18:47	27° $\mathbb{I}$ 08'54	6.21747 AU
evening set	-11307 Mar 18 j 22:08	15° $\mathcal{B}$ 27'00		morning rise		-11302 Sep 19 j 12:42	0° $\mathcal{B}$ 04'49	
						-11302 Sep 19 j 04:18	0° $\mathcal{B}$	
conjunction	-11307 Apr 01 j 11:32	18° $\mathcal{B}$ 29'50	-1°07'11	retrograde		-11301 Jan 25 j 14:43	18° $\mathcal{B}$ 53'59	
minimum elong	-11307 Apr 01 j 11:37	18° $\mathcal{B}$ 29'53	1°07'47	opposition		-11301 Mar 28 j 04:09	13° $\mathcal{B}$ 56'06	1°48'57
max. Earth dist.	-11307 Apr 01 j 06:00	18° $\mathcal{B}$ 26'43	6.23061 AU	min. Earth dist.		-11301 Mar 28 j 02:06	13° $\mathcal{B}$ 56'46	4.18005 AU
morning rise	-11307 Apr 14 j 22:25	21° $\mathcal{B}$ 31'15		direct		-11301 May 27 j 06:24	9° $\mathcal{B}$ 03'14	
	-11307 May 24 j 18:28	0° $\approx$		evening set		-11301 Sep 27 j 03:11	27° $\mathcal{B}$ 23'39	
retrograde	-11307 Aug 15 j 08:55	9° $\approx$ 26'22				-11301 Oct 08 j 08:09	0° $\mathcal{Q}$	
opposition	-11307 Oct 13 j 14:25	4° $\approx$ 30'09	-1°03'38					
min. Earth dist.	-11307 Oct 13 j 22:46	4° $\approx$ 27'22	4.26591 AU	conjunction		-11301 Oct 09 j 22:44	0° $\mathcal{Q}$ 22'29	0°49'51
	-11307 Nov 24 j 19:47	30° $\mathcal{R}$ $\mathcal{B}$		minimum elong		-11301 Oct 09 j 22:48	0° $\mathcal{Q}$ 22'32	0°50'24
direct	-11307 Dec 13 j 20:36	29° $\mathcal{B}$ 25'55		max. Earth dist.		-11301 Oct 10 j 08:54	0° $\mathcal{Q}$ 28'25	6.14326 AU
	-11306 Jan 02 j 01:45	0° $\approx$		morning rise		-11301 Oct 22 j 21:31	3° $\mathcal{Q}$ 23'07	
	-11306 Apr 08 j 07:18	15° $\approx$				-11301 Dec 16 j 10:19	15° $\mathcal{Q}$	
evening set	-11306 Apr 21 j 21:41	17° $\approx$ 58'47		retrograde		-11300 Mar 01 j 09:40	22° $\mathcal{Q}$ 51'20	
max. Earth dist.	-11306 May 04 j 09:10	20° $\approx$ 45'36	6.29570 AU	opposition		-11300 May 01 j 11:07	17° $\mathcal{Q}$ 49'41	0°30'36
				min. Earth dist.		-11300 Apr 30 j 22:18	17° $\mathcal{Q}$ 53'55	4.11155 AU
conjunction	-11306 May 05 j 04:33	20° $\approx$ 56'25	-0°14'55			-11300 May 24 j 09:39	15° $\mathcal{R}$ $\mathcal{Q}$	
minimum elong	-11306 May 05 j 04:35	20° $\approx$ 56'26	0°15'21	direct		-11300 Jun 29 j 10:31	12° $\mathcal{Q}$ 56'15	
behind sun begin	-11306 May 05 j 02:16	20° $\approx$ 55'09				-11300 Aug 04 j 02:01	15° $\mathcal{Q}$	
behind sun end	-11306 May 05 j 06:53	20° $\approx$ 57'43		desc. node		-11300 Sep 11 j 00:59	20° $\mathcal{Q}$ 52'43	
morning rise	-11306 May 18 j 07:51	23° $\approx$ 52'14				-11300 Oct 23 j 13:37	0° $\mathbb{P}$	
	-11306 Jun 15 j 19:23	0° $\mathcal{H}$		evening set		-11300 Oct 30 j 09:55	1° $\mathbb{P}$ 35'10	
asc. node	-11306 Aug 17 j 17:31	9° $\mathcal{H}$ 56'00						
retrograde	-11306 Sep 16 j 04:09	11° $\mathcal{H}$ 18'23		conjunction		-11300 Nov 12 j 16:06	4° $\mathbb{P}$ 41'10	-0°09'43
opposition	-11306 Nov 14 j 23:32	6° $\mathcal{H}$ 25'14	0°18'48	minimum elong		-11300 Nov 12 j 16:05	4° $\mathbb{P}$ 41'09	0°09'25
min. Earth dist.	-11306 Nov 15 j 16:19	6° $\mathcal{H}$ 19'47	4.31813 AU	behind sun begin		-11300 Nov 12 j 09:13	4° $\mathbb{P}$ 37'09	
direct	-11305 Jan 16 j 03:02	1° $\mathcal{H}$ 22'32		behind sun end		-11300 Nov 12 j 22:58	4° $\mathbb{P}$ 45'10	
evening set	-11305 May 24 j 10:01	19° $\mathcal{H}$ 37'52		max. Earth dist.		-11300 Nov 13 j 17:21	4° $\mathbb{P}$ 55'57	6.08742 AU
max. Earth dist.	-11305 Jun 05 j 03:01	22° $\mathcal{H}$ 14'16	6.33105 AU	morning rise		-11300 Nov 26 j 01:49	7° $\mathbb{P}$ 49'06	
				retrograde		-11299 Apr 06 j 14:05	27° $\mathbb{P}$ 40'36	
conjunction	-11305 Jun 06 j 07:29	22° $\mathcal{H}$ 30'10	0°40'59	opposition		-11299 Jun 05 j 20:57	22° $\mathbb{P}$ 36'18	-1°00'26
minimum elong	-11305 Jun 06 j 07:26	22° $\mathcal{H}$ 30'08	0°40'51	min. Earth dist.		-11299 Jun 05 j 01:53	22° $\mathbb{P}$ 42'43	4.07368 AU
morning rise	-11305 Jun 19 j 01:52	25° $\mathcal{H}$ 20'52		direct		-11299 Aug 03 j 02:55	17° $\mathbb{P}$ 40'35	
	-11305 Jul 10 j 11:44	0° $\mathcal{Y}$				-11299 Nov 05 j 23:22	0° $\mathcal{L}$	
retrograde	-11305 Oct 17 j 23:31	12° $\mathcal{Y}$ 40'17		evening set		-11299 Dec 05 j 11:15	6° $\mathcal{L}$ 39'02	
opposition	-11305 Dec 17 j 12:01	7° $\mathcal{Y}$ 48'32	1°34'33					
min. Earth dist.	-11305 Dec 18 j 08:24	7° $\mathcal{Y}$ 42'02	4.33504 AU	conjunction		-11299 Dec 19 j 00:52	9° $\mathcal{L}$ 48'55	-1°06'34
direct	-11304 Feb 17 j 23:38	2° $\mathcal{Y}$ 48'30		minimum elong		-11299 Dec 19 j 00:45	9° $\mathcal{L}$ 48'51	1°06'37
evening set	-11304 Jun 23 j 22:19	20° $\mathcal{Y}$ 53'20		max. Earth dist.		-11299 Dec 20 j 06:39	10° $\mathcal{L}$ 06'19	6.07025 AU
max. Earth dist.	-11304 Jul 05 j 08:24	23° $\mathcal{Y}$ 26'50	6.32735 AU	morning rise		-11298 Jan 01 j 17:23	13° $\mathcal{L}$ 00'13	
						-11298 Mar 30 j 16:36	0° $\mathbb{M}$	
conjunction	-11304 Jul 06 j 11:06	23° $\mathcal{Y}$ 41'51	1°24'28	retrograde		-11298 May 12 j 07:51	2° $\mathbb{M}$ 49'09	
minimum elong	-11304 Jul 06 j 11:01	23° $\mathcal{Y}$ 41'48	1°24'42			-11298 Jun 23 j 17:16	30° $\mathcal{R}$ $\mathcal{L}$	
morning rise	-11304 Jul 18 j 21:39	26° $\mathcal{Y}$ 29'21		opposition		-11298 Jul 10 j 21:13	27° $\mathcal{L}$ 44'16	-2°10'05
	-11304 Aug 03 j 20:20	0° $\mathcal{B}$		min. Earth dist.		-11298 Jul 10 j 02:17	27° $\mathcal{L}$ 50'45	4.08019 AU
retrograde	-11304 Nov 18 j 09:05	14° $\mathcal{B}$ 04'11		direct		-11298 Sep 07 j 03:59	22° $\mathcal{L}$ 45'13	
opposition	-11303 Jan 18 j 13:54	9° $\mathcal{B}$ 12'00	2°22'53			-11298 Nov 16 j 07:31	0° $\mathbb{M}$	
min. Earth dist.	-11303 Jan 19 j 07:17	9° $\mathcal{B}$ 06'30	4.31213 AU	evening set		-11297 Jan 11 j 12:35	11° $\mathbb{M}$ 55'27	
direct	-11303 Mar 21 j 17:25	4° $\mathcal{B}$ 15'08				-11297 Jan 24 j 20:28	15° $\mathbb{M}$	

Attention, astronomical year style is used: The year -11297 in astronomical counting style is the year 11298 BCE in historical counting style.

conjunction	-11297 Jan 25 j 05:25	15° $\mathbb{M}$ 05'11	-1°39'15	retrograde	-11292 Nov 22 j 23:39	18° $\mathbb{B}$ 36'00	
minimum elong	-11297 Jan 25 j 05:22	15° $\mathbb{M}$ 05'09	1°39'39		-11291 Jan 13 j 01:32	15° $\mathbb{R}$ $\mathbb{B}$	
max. Earth dist.	-11297 Jan 26 j 07:13	15° $\mathbb{M}$ 20'05	6.09871 AU	opposition	-11291 Jan 23 j 06:10	13° $\mathbb{B}$ 43'30	2°26'31
morning rise	-11297 Feb 07 j 22:59	18° $\mathbb{M}$ 15'13		min. Earth dist.	-11291 Jan 23 j 23:00	13° $\mathbb{B}$ 38'10	4.30738 AU
	-11297 Apr 04 j 09:33	0° $\mathbb{A}$		direct	-11291 Mar 26 j 08:15	8° $\mathbb{B}$ 46'57	
retrograde	-11297 Jun 16 j 03:10	7° $\mathbb{A}$ 34'33			-11291 Jun 01 j 12:35	15° $\mathbb{B}$	
opposition	-11297 Aug 14 j 03:00	2° $\mathbb{A}$ 31'34	-2°32'06	evening set	-11291 Jul 29 j 10:00	26° $\mathbb{B}$ 49'03	
min. Earth dist.	-11297 Aug 13 j 15:34	2° $\mathbb{A}$ 35'29	4.12862 AU				
	-11297 Sep 02 j 12:11	30° $\mathbb{R}$ $\mathbb{M}$		conjunction	-11291 Aug 10 j 18:21	29° $\mathbb{B}$ 37'18	1°43'43
direct	-11297 Oct 12 j 03:52	27° $\mathbb{M}$ 29'23		minimum elong	-11291 Aug 10 j 18:21	29° $\mathbb{B}$ 37'18	1°44'13
	-11297 Nov 21 j 03:42	0° $\mathbb{A}$		max. Earth dist.	-11291 Aug 10 j 01:02	29° $\mathbb{B}$ 27'27	6.27861 AU
evening set	-11296 Feb 17 j 07:27	16° $\mathbb{A}$ 36'40			-11291 Aug 12 j 10:12	0° $\mathbb{II}$	
				morning rise	-11291 Aug 23 j 02:30	2° $\mathbb{II}$ 25'38	
conjunction	-11296 Mar 01 j 23:48	19° $\mathbb{A}$ 43'26	-1°36'09	retrograde	-11291 Dec 26 j 15:03	20° $\mathbb{II}$ 38'12	
minimum elong	-11296 Mar 01 j 23:51	19° $\mathbb{A}$ 43'28	1°36'46	opposition	-11290 Feb 26 j 05:42	15° $\mathbb{II}$ 43'20	2°26'30
max. Earth dist.	-11296 Mar 02 j 10:01	19° $\mathbb{A}$ 49'16	6.16229 AU	min. Earth dist.	-11290 Feb 26 j 14:05	15° $\mathbb{II}$ 40'40	4.24589 AU
morning rise	-11296 Mar 15 j 15:03	22° $\mathbb{A}$ 49'30		direct	-11290 Apr 28 j 09:22	10° $\mathbb{II}$ 49'19	
	-11296 Apr 17 j 11:33	0° $\mathbb{B}$		evening set	-11290 Aug 29 j 23:59	28° $\mathbb{II}$ 58'11	
retrograde	-11296 Jul 18 j 12:45	11° $\mathbb{B}$ 23'27			-11290 Sep 03 j 11:37	0° $\mathbb{B}$	
opposition	-11296 Sep 15 j 11:37	6° $\mathbb{B}$ 23'56	-2°01'21				
min. Earth dist.	-11296 Sep 15 j 10:05	6° $\mathbb{B}$ 24'27	4.20097 AU	conjunction	-11290 Sep 11 j 11:45	1° $\mathbb{B}$ 50'50	1°27'16
direct	-11296 Nov 14 j 16:05	1° $\mathbb{B}$ 19'51		minimum elong	-11290 Sep 11 j 11:50	1° $\mathbb{B}$ 50'53	1°27'54
evening set	-11295 Mar 23 j 18:31	20° $\mathbb{B}$ 11'12		max. Earth dist.	-11290 Sep 11 j 07:12	1° $\mathbb{B}$ 48'13	6.20723 AU
				morning rise	-11290 Sep 24 j 01:33	4° $\mathbb{B}$ 44'37	
conjunction	-11295 Apr 06 j 07:17	23° $\mathbb{B}$ 13'29	-1°00'41	retrograde	-11289 Jan 30 j 12:59	23° $\mathbb{B}$ 39'36	
minimum elong	-11295 Apr 06 j 07:22	23° $\mathbb{B}$ 13'32	1°01'17	opposition	-11289 Apr 02 j 01:07	18° $\mathbb{B}$ 41'08	1°39'55
max. Earth dist.	-11295 Apr 06 j 00:20	23° $\mathbb{B}$ 09'34	6.23841 AU	min. Earth dist.	-11289 Apr 01 j 21:45	18° $\mathbb{B}$ 42'14	4.16909 AU
morning rise	-11295 Apr 19 j 17:16	26° $\mathbb{B}$ 14'15		direct	-11289 May 31 j 23:35	13° $\mathbb{B}$ 48'13	
	-11295 May 06 j 19:19	0° $\mathbb{B}$			-11289 Sep 22 j 06:54	0° $\mathbb{B}$	
retrograde	-11295 Aug 19 j 21:36	14° $\mathbb{B}$ 04'57		evening set	-11289 Oct 01 j 18:46	2° $\mathbb{B}$ 11'06	
opposition	-11295 Oct 18 j 03:51	9° $\mathbb{B}$ 09'13	-0°52'31				
min. Earth dist.	-11295 Oct 18 j 13:36	9° $\mathbb{B}$ 05'59	4.27318 AU	conjunction	-11289 Oct 14 j 15:57	5° $\mathbb{B}$ 11'06	0°42'15
direct	-11295 Dec 18 j 13:28	4° $\mathbb{B}$ 05'09		minimum elong	-11289 Oct 14 j 16:01	5° $\mathbb{B}$ 11'08	0°42'47
	-11294 Mar 21 j 18:40	15° $\mathbb{B}$		max. Earth dist.	-11289 Oct 15 j 05:08	5° $\mathbb{B}$ 18'47	6.13277 AU
evening set	-11294 Apr 26 j 13:23	22° $\mathbb{B}$ 35'39		morning rise	-11289 Oct 27 j 16:17	8° $\mathbb{B}$ 12'54	
					-11289 Nov 26 j 23:04	15° $\mathbb{B}$	
conjunction	-11294 May 09 j 19:03	25° $\mathbb{B}$ 32'33	-0°06'54	retrograde	-11288 Mar 06 j 11:02	27° $\mathbb{B}$ 46'01	
minimum elong	-11294 May 09 j 19:04	25° $\mathbb{B}$ 32'34	0°07'17	opposition	-11288 May 06 j 09:40	22° $\mathbb{B}$ 43'56	0°17'57
behind sun begin	-11294 May 09 j 11:37	25° $\mathbb{B}$ 28'25		min. Earth dist.	-11288 May 05 j 20:03	22° $\mathbb{B}$ 48'25	4.10235 AU
behind sun end	-11294 May 10 j 02:31	25° $\mathbb{B}$ 36'42		direct	-11288 Jul 04 j 05:26	17° $\mathbb{B}$ 50'16	
max. Earth dist.	-11294 May 08 j 21:53	25° $\mathbb{B}$ 20'44	6.30189 AU	desc. node	-11288 Jul 22 j 10:25	18° $\mathbb{B}$ 23'36	
morning rise	-11294 May 22 j 21:15	28° $\mathbb{B}$ 27'39			-11288 Oct 06 j 09:35	0° $\mathbb{B}$	
	-11294 May 29 j 20:33	0° $\mathbb{B}$		evening set	-11288 Nov 04 j 08:26	6° $\mathbb{B}$ 32'39	
asc. node	-11294 Jun 26 j 18:59	5° $\mathbb{B}$ 53'07					
retrograde	-11294 Sep 20 j 14:49	15° $\mathbb{B}$ 51'31		conjunction	-11288 Nov 17 j 15:49	9° $\mathbb{B}$ 39'30	-0°18'20
opposition	-11294 Nov 19 j 12:51	10° $\mathbb{B}$ 58'35	0°30'25	minimum elong	-11288 Nov 17 j 15:47	9° $\mathbb{B}$ 39'29	0°18'04
min. Earth dist.	-11294 Nov 20 j 05:56	10° $\mathbb{B}$ 53'02	4.32286 AU	max. Earth dist.	-11288 Nov 18 j 16:53	9° $\mathbb{B}$ 54'11	6.08021 AU
direct	-11293 Nov 20 j 18:09	5° $\mathbb{B}$ 56'08		morning rise	-11288 Dec 01 j 02:58	12° $\mathbb{B}$ 48'19	
evening set	-11293 May 28 j 21:32	24° $\mathbb{B}$ 09'19			-11287 Feb 28 j 12:40	0° $\mathbb{B}$	
				retrograde	-11287 Apr 11 j 14:32	2° $\mathbb{B}$ 42'07	
conjunction	-11293 Jun 10 j 17:44	27° $\mathbb{B}$ 00'55	0°48'10		-11287 May 23 j 12:08	30° $\mathbb{R}$ $\mathbb{B}$	
minimum elong	-11293 Jun 10 j 17:40	27° $\mathbb{B}$ 00'52	0°48'05	opposition	-11287 Jun 10 j 19:28	27° $\mathbb{B}$ 37'32	-1°12'16
max. Earth dist.	-11293 Jun 09 j 14:16	26° $\mathbb{B}$ 45'34	6.33386 AU	min. Earth dist.	-11287 Jun 09 j 23:38	27° $\mathbb{B}$ 44'15	4.06919 AU
morning rise	-11293 Jun 23 j 10:44	29° $\mathbb{B}$ 50'56		direct	-11287 Aug 08 j 00:06	22° $\mathbb{B}$ 41'23	
	-11293 Jun 24 j 03:05	0° $\mathbb{Y}$			-11287 Oct 17 j 00:23	0° $\mathbb{B}$	
retrograde	-11293 Oct 22 j 10:54	17° $\mathbb{Y}$ 10'43		evening set	-11287 Dec 10 j 15:26	11° $\mathbb{B}$ 43'12	
opposition	-11293 Dec 22 j 02:22	12° $\mathbb{Y}$ 19'00	1°43'22				
min. Earth dist.	-11293 Dec 22 j 22:36	12° $\mathbb{Y}$ 12'33	4.33563 AU	conjunction	-11287 Dec 24 j 05:59	14° $\mathbb{B}$ 53'29	-1°13'02
direct	-11292 Feb 22 j 14:15	7° $\mathbb{Y}$ 19'23		minimum elong	-11287 Dec 24 j 05:52	14° $\mathbb{B}$ 53'25	1°13'09
evening set	-11292 Jun 28 j 07:08	25° $\mathbb{Y}$ 22'43		max. Earth dist.	-11287 Dec 25 j 13:09	15° $\mathbb{B}$ 11'41	6.06889 AU
				morning rise	-11286 Jan 06 j 22:51	18° $\mathbb{B}$ 04'58	
conjunction	-11292 Jul 10 j 18:49	28° $\mathbb{Y}$ 10'49	1°28'49		-11286 Mar 03 j 16:16	0° $\mathbb{M}$	
minimum elong	-11292 Jul 10 j 18:44	28° $\mathbb{Y}$ 10'46	1°29'05	retrograde	-11286 May 17 j 09:17	7° $\mathbb{M}$ 52'22	
max. Earth dist.	-11292 Jul 09 j 15:26	27° $\mathbb{Y}$ 55'25	6.32522 AU	opposition	-11286 Jul 15 j 18:46	2° $\mathbb{M}$ 47'39	-2°16'27
	-11292 Jul 18 j 21:03	0° $\mathbb{B}$		min. Earth dist.	-11286 Jul 15 j 00:58	2° $\mathbb{M}$ 53'44	4.08226 AU
morning rise	-11292 Jul 23 j 04:46	0° $\mathbb{B}$ 58'06			-11286 Aug 06 j 12:18	30° $\mathbb{R}$ $\mathbb{B}$	
	-11292 Oct 04 j 08:07	15° $\mathbb{B}$		direct	-11286 Sep 12 j 03:04	27° $\mathbb{B}$ 48'11	

Attention, astronomical year style is used: The year -11286 in astronomical counting style is the year 11287 BCE in historical counting style.

	-11286 Oct 18 j 21:58	0°♌		minimum elong	-11280 Jul 14 j 23:06	2°♏30'55	1°32'48
	-11285 Jan 08 j 00:36	15°♌		max. Earth dist.	-11280 Jul 13 j 21:02	2°♏16'15	6.32499 AU
evening set	-11285 Jan 16 j 18:46	16°♌59'52		morning rise	-11280 Jul 27 j 08:18	5°♏17'55	
					-11280 Sep 11 j 19:08	15°♏	
conjunction	-11285 Jan 30 j 11:41	20°♌09'25	-1°41'03	retrograde	-11280 Nov 27 j 10:10	22°♏58'33	
minimum elong	-11285 Jan 30 j 11:39	20°♌09'23	1°41'29	opposition	-11279 Jan 27 j 18:36	18°♏05'55	2°29'09
max. Earth dist.	-11285 Jan 31 j 11:35	20°♌23'12	6.10395 AU	min. Earth dist.	-11279 Jan 28 j 11:39	18°♏00'31	4.30327 AU
morning rise	-11285 Feb 13 j 05:18	23°♌19'10			-11279 Feb 23 j 07:14	15°♏	
	-11285 Mar 15 j 06:53	0°♏		direct	-11279 Mar 30 j 19:16	13°♏09'45	
retrograde	-11285 Jun 20 j 22:36	12°♏33'26			-11279 May 04 j 23:03	15°♏	
opposition	-11285 Aug 18 j 22:15	7°♏30'53	-2°30'45		-11279 Jul 28 j 07:23	0°♐	
min. Earth dist.	-11285 Aug 18 j 10:52	7°♏34'46	4.13685 AU	evening set	-11279 Aug 02 j 14:47	1°♐11'47	
direct	-11285 Oct 17 j 01:33	2°♏28'24					
evening set	-11284 Feb 22 j 10:55	21°♏34'21		conjunction	-11279 Aug 14 j 23:03	4°♐00'21	1°43'20
				minimum elong	-11279 Aug 14 j 23:03	4°♐00'21	1°43'53
conjunction	-11284 Mar 07 j 02:57	24°♏40'33	-1°32'50	max. Earth dist.	-11279 Aug 14 j 04:55	3°♐50'01	6.27076 AU
minimum elong	-11284 Mar 07 j 03:01	24°♏40'35	1°33'26	morning rise	-11279 Aug 27 j 07:42	6°♐49'11	
max. Earth dist.	-11284 Mar 07 j 11:36	24°♏45'29	6.17327 AU	retrograde	-11279 Dec 31 j 05:56	25°♐07'22	
morning rise	-11284 Mar 20 j 17:36	27°♏45'54		opposition	-11278 Mar 02 j 20:47	20°♐12'05	2°22'52
	-11284 Mar 30 j 16:55	0°♑		min. Earth dist.	-11278 Mar 03 j 04:08	20°♐09'44	4.23477 AU
retrograde	-11284 Jul 23 j 05:24	16°♑12'55		direct	-11278 May 02 j 20:22	15°♐18'15	
opposition	-11284 Sep 20 j 04:09	11°♑13'59	-1°53'21		-11278 Aug 18 j 22:05	0°♑	
min. Earth dist.	-11284 Sep 20 j 04:22	11°♑13'54	4.21365 AU	evening set	-11278 Sep 03 j 07:47	3°♑29'24	
direct	-11284 Nov 19 j 13:35	6°♑09'52					
evening set	-11283 Mar 28 j 15:54	24°♑57'22		conjunction	-11278 Sep 15 j 20:45	6°♑23'05	1°22'41
				minimum elong	-11278 Sep 15 j 20:50	6°♑23'08	1°23'18
conjunction	-11283 Apr 11 j 03:55	27°♑58'47	-0°53'48	max. Earth dist.	-11278 Sep 15 j 18:48	6°♑21'57	6.19401 AU
minimum elong	-11283 Apr 11 j 04:00	27°♑58'50	0°54'23	morning rise	-11278 Sep 28 j 11:40	9°♑17'58	
max. Earth dist.	-11283 Apr 10 j 19:45	27°♑54'13	6.25206 AU	retrograde	-11277 Feb 04 j 10:08	28°♑20'00	
	-11283 Apr 20 j 04:00	0°♒		opposition	-11277 Apr 06 j 19:31	23°♑21'08	1°30'28
morning rise	-11283 Apr 24 j 12:53	0°♒58'37		min. Earth dist.	-11277 Apr 06 j 15:36	23°♑22'24	4.15474 AU
	-11283 Jul 06 j 02:04	15°♒		direct	-11277 Jun 05 j 13:39	18°♑28'15	
retrograde	-11283 Aug 24 j 07:53	18°♒42'55			-11277 Sep 05 j 12:54	0°♒	
	-11283 Oct 13 j 11:56	15°♒		evening set	-11277 Oct 06 j 09:23	6°♒55'19	
opposition	-11283 Oct 22 j 17:30	13°♒47'37	-0°41'07				
min. Earth dist.	-11283 Oct 23 j 03:24	13°♒44'21	4.28668 AU	conjunction	-11277 Oct 19 j 07:56	9°♒56'35	0°34'30
direct	-11283 Dec 23 j 06:13	8°♒43'43		minimum elong	-11277 Oct 19 j 07:59	9°♒56'37	0°35'01
	-11282 Mar 01 j 08:37	15°♒		max. Earth dist.	-11277 Oct 19 j 21:21	10°♒04'26	6.11870 AU
evening set	-11282 May 01 j 03:50	27°♒09'36		morning rise	-11277 Nov 01 j 10:05	12°♒59'47	
asc. node	-11282 May 06 j 09:11	28°♒19'04			-11277 Nov 10 j 02:37	15°♒	
max. Earth dist.	-11282 May 13 j 09:55	29°♒53'04	6.31433 AU		-11276 Jan 29 j 08:27	0°♓	
	-11282 May 13 j 22:20	0°♓		retrograde	-11276 Mar 11 j 10:04	2°♓39'13	
					-11276 Apr 22 j 11:56	30°♓	
conjunction	-11282 May 14 j 08:08	0°♓05'27	0°01'10	opposition	-11276 May 11 j 06:44	27°♓36'40	0°05'18
minimum elong	-11282 May 14 j 08:07	0°♓05'26	0°00'49	min. Earth dist.	-11276 May 10 j 15:23	27°♓41'46	4.08988 AU
behind sun begin	-11282 May 14 j 00:01	0°♓00'56		desc. node	-11276 Jun 02 j 22:45	24°♓47'40	
behind sun end	-11282 May 14 j 16:14	0°♓09'56		direct	-11276 Jul 08 j 22:19	22°♓42'46	
morning rise	-11282 May 27 j 08:59	2°♓59'30			-11276 Sep 16 j 21:23	0°♓	
retrograde	-11282 Sep 25 j 00:09	20°♓19'26		evening set	-11276 Nov 09 j 06:55	11°♓30'08	
opposition	-11282 Nov 24 j 00:46	15°♓26'48	0°41'34				
min. Earth dist.	-11282 Nov 24 j 19:10	15°♓20'52	4.33318 AU	conjunction	-11276 Nov 22 j 15:49	14°♓38'02	-0°26'45
direct	-11281 Jan 25 j 09:27	10°♓24'44		minimum elong	-11276 Nov 22 j 15:46	14°♓38'00	0°26'32
evening set	-11281 Jun 02 j 06:05	28°♓33'54		max. Earth dist.	-11276 Nov 23 j 19:55	14°♓54'31	6.07066 AU
	-11281 Jun 08 j 17:08	0°♔		morning rise	-11276 Dec 06 j 04:04	17°♓47'47	
max. Earth dist.	-11281 Jun 13 j 20:10	1°♔08'36	6.34101 AU		-11275 Feb 01 j 05:05	0°♕	
				retrograde	-11275 Apr 16 j 17:35	7°♕44'29	
conjunction	-11281 Jun 15 j 00:53	1°♔24'37	0°54'52	opposition	-11275 Jun 15 j 17:56	2°♕39'44	-1°23'29
minimum elong	-11281 Jun 15 j 00:48	1°♔24'34	0°54'51	min. Earth dist.	-11275 Jun 14 j 22:22	2°♕46'22	4.06369 AU
morning rise	-11281 Jun 27 j 16:41	4°♔13'50			-11275 Jul 06 j 12:51	30°♔	
retrograde	-11281 Oct 26 j 18:47	21°♔33'03		direct	-11275 Aug 12 j 22:13	27°♔43'09	
opposition	-11281 Dec 26 j 13:39	16°♔41'19	1°51'17		-11275 Sep 19 j 04:44	0°♕	
min. Earth dist.	-11281 Dec 27 j 09:46	16°♔34'54	4.33931 AU	evening set	-11275 Dec 15 j 20:11	16°♕48'35	
direct	-11280 Feb 27 j 01:24	11°♔42'05					
evening set	-11280 Jul 02 j 12:18	29°♔43'14		conjunction	-11275 Dec 29 j 11:16	19°♕59'08	-1°18'54
	-11280 Jul 03 j 18:20	0°♖		minimum elong	-11275 Dec 29 j 11:09	19°♕59'04	1°19'05
				max. Earth dist.	-11275 Dec 30 j 18:15	20°♕17'13	6.06770 AU
conjunction	-11280 Jul 14 j 23:10	2°♖30'57	1°32'30	morning rise	-11274 Jan 12 j 04:44	23°♕10'50	

Attention, astronomical year style is used: The year -11274 in astronomical counting style is the year 11275 BCE in historical counting style.

	-11274 Feb 11 j 14:05	0°♄			-11268 Jun 17 j 18:04	0°♄		
retrograde	-11274 May 22 j 07:36	12°♄56'01		evening set	-11268 Jul 06 j 20:25	4°♄11'22		
opposition	-11274 Jul 20 j 15:49	7°♄51'22	-2°21'45	max. Earth dist.	-11268 Jul 18 j 04:11	6°♄44'08	6.31853 AU	
min. Earth dist.	-11274 Jul 19 j 21:18	7°♄57'44	4.08575 AU					
direct	-11274 Sep 17 j 01:02	2°♄51'23		conjunction	-11268 Jul 19 j 06:33	6°♄59'00	1°35'48	
	-11274 Dec 21 j 04:52	15°♄		minimum elong	-11268 Jul 19 j 06:29	6°♄58'58	1°36'07	
evening set	-11273 Jan 22 j 00:37	22°♄03'37		morning rise	-11268 Jul 31 j 15:18	9°♄46'01		
					-11268 Aug 24 j 13:43	15°♄		
conjunction	-11273 Feb 04 j 17:35	25°♄12'50	-1°42'04	retrograde	-11268 Dec 02 j 01:23	27°♄31'29		
minimum elong	-11273 Feb 04 j 17:34	25°♄12'49	1°42'33	opposition	-11267 Feb 01 j 11:38	22°♄38'34	2°31'06	
max. Earth dist.	-11273 Feb 05 j 16:24	25°♄23'58	6.11154 AU	min. Earth dist.	-11267 Feb 02 j 03:04	22°♄33'41	4.29402 AU	
morning rise	-11273 Feb 18 j 10:55	28°♄22'04		direct	-11267 Apr 04 j 08:30	17°♄42'47		
	-11273 Feb 25 j 15:06	0°♄			-11267 Jul 11 j 19:39	0°♄		
retrograde	-11273 Jun 25 j 17:51	17°♄29'58		evening set	-11267 Aug 07 j 00:19	5°♄46'13		
opposition	-11273 Aug 23 j 16:21	12°♄27'45	-2°28'20					
min. Earth dist.	-11273 Aug 23 j 06:58	12°♄30'57	4.14737 AU	conjunction	-11267 Aug 19 j 08:56	8°♄35'20	1°42'21	
direct	-11273 Oct 22 j 00:30	7°♄24'52		minimum elong	-11267 Aug 19 j 08:57	8°♄35'21	1°42'54	
evening set	-11272 Feb 27 j 12:28	26°♄28'14		max. Earth dist.	-11267 Aug 18 j 17:45	8°♄26'39	6.25959 AU	
				morning rise	-11267 Aug 31 j 17:55	11°♄24'49		
conjunction	-11272 Mar 12 j 04:14	29°♄33'47	-1°28'54	retrograde	-11266 Jan 05 j 03:42	29°♄49'29		
minimum elong	-11272 Mar 12 j 04:18	29°♄33'50	1°29'31	opposition	-11266 Mar 07 j 17:25	24°♄53'51	2°18'10	
max. Earth dist.	-11272 Mar 12 j 11:32	29°♄37'56	6.18557 AU	min. Earth dist.	-11266 Mar 07 j 23:56	24°♄51'46	4.22249 AU	
	-11272 Mar 14 j 02:26	0°♄		direct	-11266 May 07 j 13:21	20°♄00'20		
morning rise	-11272 Mar 25 j 18:10	2°♄38'19			-11266 Aug 01 j 08:04	0°♄		
retrograde	-11272 Jul 27 j 17:50	20°♄57'59		evening set	-11266 Sep 07 j 21:26	8°♄13'52		
opposition	-11272 Sep 24 j 18:51	15°♄59'30	-1°44'44					
min. Earth dist.	-11272 Sep 24 j 19:38	15°♄59'14	4.22626 AU	conjunction	-11266 Sep 20 j 11:25	11°♄08'34	1°17'21	
direct	-11272 Nov 24 j 07:35	10°♄55'15		minimum elong	-11266 Sep 20 j 11:30	11°♄08'37	1°17'58	
evening set	-11271 Apr 02 j 11:06	29°♄38'59		max. Earth dist.	-11266 Sep 20 j 10:39	11°♄08'07	6.18197 AU	
	-11271 Apr 04 j 00:54	0°♄		morning rise	-11266 Oct 03 j 03:54	14°♄04'39		
					-11266 Dec 24 j 13:04	0°♄		
conjunction	-11271 Apr 15 j 22:04	2°♄39'32	-0°46'39	retrograde	-11265 Feb 09 j 09:52	3°♄12'52		
minimum elong	-11271 Apr 15 j 22:09	2°♄39'34	0°47'12		-11265 Mar 28 j 19:41	30°♄		
max. Earth dist.	-11271 Apr 15 j 10:39	2°♄33'08	6.26390 AU	opposition	-11265 Apr 11 j 18:53	28°♄13'29	1°19'57	
morning rise	-11271 Apr 29 j 06:07	5°♄38'28		min. Earth dist.	-11265 Apr 11 j 12:05	28°♄15'42	4.14407 AU	
	-11271 Jun 12 j 22:46	15°♄		direct	-11265 Jun 10 j 07:59	23°♄20'39		
retrograde	-11271 Aug 28 j 19:19	23°♄17'29			-11265 Aug 16 j 11:34	0°♄		
opposition	-11271 Oct 27 j 06:12	18°♄22'38	-0°29'36	evening set	-11265 Oct 11 j 04:39	11°♄50'23		
min. Earth dist.	-11271 Oct 27 j 18:31	18°♄18'35	4.29654 AU					
	-11271 Nov 24 j 12:05	15°♄		conjunction	-11265 Oct 24 j 04:52	14°♄52'43	0°26'14	
direct	-11271 Dec 27 j 23:56	13°♄18'50		minimum elong	-11265 Oct 24 j 04:55	14°♄52'44	0°26'42	
	-11270 Jan 30 j 18:44	15°♄			-11265 Oct 24 j 17:19	15°♄		
asc. node	-11270 Mar 16 j 02:48	21°♄18'50		max. Earth dist.	-11265 Oct 24 j 22:25	15°♄02'59	6.11079 AU	
	-11270 Apr 28 j 00:27	0°♄		morning rise	-11265 Nov 06 j 08:26	17°♄56'57		
evening set	-11270 May 05 j 17:11	1°♄41'28			-11264 Jan 01 j 21:27	0°♄		
				retrograde	-11264 Mar 16 j 13:30	7°♄39'47		
conjunction	-11270 May 18 j 20:19	4°♄36'30	0°09'08	desc. node	-11264 Apr 13 j 05:51	6°♄27'28		
minimum elong	-11270 May 18 j 20:18	4°♄36'30	0°08'48	opposition	-11264 May 16 j 06:54	2°♄36'52	-0°07'43	
behind sun begin	-11270 May 18 j 13:20	4°♄32'38		min. Earth dist.	-11264 May 15 j 15:00	2°♄42'10	4.08556 AU	
behind sun end	-11270 May 19 j 03:16	4°♄40'22			-11264 Jun 06 j 01:02	30°♄		
max. Earth dist.	-11270 May 17 j 21:05	4°♄23'35	6.32140 AU	direct	-11264 Jul 13 j 21:06	27°♄42'44		
morning rise	-11270 May 31 j 19:49	7°♄29'45			-11264 Aug 20 j 07:43	0°♄		
retrograde	-11270 Sep 29 j 08:40	24°♄47'49		evening set	-11264 Nov 14 j 08:00	16°♄32'01		
opposition	-11270 Nov 28 j 12:56	19°♄55'24	0°52'33					
min. Earth dist.	-11270 Nov 29 j 07:23	19°♄49'27	4.33712 AU	conjunction	-11264 Nov 27 j 17:51	19°♄40'22	-0°35'06	
direct	-11269 Jan 29 j 22:16	14°♄53'38		minimum elong	-11264 Nov 27 j 17:47	19°♄40'20	0°34'56	
	-11269 May 23 j 20:30	0°♄		max. Earth dist.	-11264 Nov 28 j 22:36	19°♄57'13	6.07027 AU	
evening set	-11269 Jun 06 j 15:46	3°♄01'07		morning rise	-11264 Dec 11 j 07:14	22°♄50'33		
max. Earth dist.	-11269 Jun 18 j 04:03	5°♄34'55	6.34144 AU		-11263 Jan 12 j 03:28	0°♄		
				retrograde	-11263 Apr 21 j 16:40	12°♄46'01		
conjunction	-11269 Jun 19 j 09:12	5°♄51'12	1°01'22	opposition	-11263 Jun 20 j 15:40	7°♄41'09	-1°34'02	
minimum elong	-11269 Jun 19 j 09:07	5°♄51'10	1°01'24	min. Earth dist.	-11263 Jun 19 j 18:50	7°♄48'14	4.06756 AU	
morning rise	-11269 Jul 01 j 23:52	8°♄39'55		direct	-11263 Aug 17 j 19:15	2°♄44'08		
retrograde	-11269 Oct 31 j 07:22	26°♄00'53		evening set	-11263 Dec 20 j 23:47	21°♄49'53		
opposition	-11269 Dec 31 j 03:40	21°♄09'11	1°58'50					
min. Earth dist.	-11268 Jan 01 j 00:44	21°♄02'30	4.33629 AU	conjunction	-11262 Jan 03 j 15:18	25°♄00'14	-1°24'08	
direct	-11268 Mar 02 j 15:49	16°♄10'22		minimum elong	-11262 Jan 03 j 15:11	25°♄00'10	1°24'20	

Attention, astronomical year style is used: The year -11262 in astronomical counting style is the year 11263 BCE in historical counting style.

max. Earth dist.	-11262 Jan 04 j 21:51	25° <b>♁</b> 18'02	6.07520 AU	min. Earth dist.	-11256 Jan 05 j 14:03	25° <b>♁</b> 33'17	4.32851 AU
morning rise	-11262 Jan 17 j 08:50	28° <b>♁</b> 11'33		direct	-11256 Mar 07 j 03:42	20° <b>♁</b> 41'07	
	-11262 Jan 25 j 05:42	0° <b>♁</b>			-11256 May 31 j 00:11	0° <b>♁</b>	
	-11262 Apr 14 j 07:57	15° <b>♁</b>		evening set	-11256 Jul 11 j 05:41	8° <b>♁</b> 43'22	
retrograde	-11262 May 27 j 03:38	17° <b>♁</b> 51'23					
	-11262 Jul 08 j 15:15	15° <b>♁</b>		conjunction	-11256 Jul 23 j 15:11	11° <b>♁</b> 31'04	1°38'30
opposition	-11262 Jul 25 j 09:44	12° <b>♁</b> 46'56	-2°25'49	minimum elong	-11256 Jul 23 j 15:08	11° <b>♁</b> 31'02	1°38'53
min. Earth dist.	-11262 Jul 24 j 17:05	12° <b>♁</b> 52'39	4.09605 AU	max. Earth dist.	-11256 Jul 22 j 14:37	11° <b>♁</b> 17'10	6.30877 AU
direct	-11262 Sep 21 j 22:28	7° <b>♁</b> 46'29		morning rise	-11256 Aug 04 j 23:35	14° <b>♁</b> 18'19	
	-11262 Dec 01 j 08:38	15° <b>♁</b>			-11256 Aug 08 j 01:59	15° <b>♁</b>	
evening set	-11261 Jan 27 j 02:03	26° <b>♁</b> 56'58			-11256 Oct 29 j 18:28	0° <b>♁</b>	
				retrograde	-11256 Dec 06 j 20:43	2° <b>♁</b> 09'32	
conjunction	-11261 Feb 09 j 19:04	0° <b>♁</b> 05'38	-1°42'20		-11255 Jan 14 j 08:44	30° <b>♁</b>	
minimum elong	-11261 Feb 09 j 19:03	0° <b>♁</b> 05'38	1°42'51	opposition	-11255 Feb 06 j 06:40	27° <b>♁</b> 16'20	2°32'06
	-11261 Feb 09 j 09:15	0° <b>♁</b>		min. Earth dist.	-11255 Feb 06 j 21:29	27° <b>♁</b> 11'38	4.28305 AU
max. Earth dist.	-11261 Feb 10 j 16:32	0° <b>♁</b> 17'59	6.12355 AU	direct	-11255 Apr 09 j 01:03	22° <b>♁</b> 20'56	
morning rise	-11261 Feb 23 j 11:58	3° <b>♁</b> 14'09			-11255 Jun 22 j 20:57	0° <b>♁</b>	
retrograde	-11261 Jun 30 j 06:51	22° <b>♁</b> 14'40		evening set	-11255 Aug 11 j 11:31	10° <b>♁</b> 25'54	
opposition	-11261 Aug 28 j 05:56	17° <b>♁</b> 12'57	-2°24'59				
min. Earth dist.	-11261 Aug 27 j 21:32	17° <b>♁</b> 15'49	4.15990 AU	conjunction	-11255 Aug 23 j 20:29	13° <b>♁</b> 15'37	1°40'39
direct	-11261 Oct 26 j 16:55	12° <b>♁</b> 09'48		minimum elong	-11255 Aug 23 j 20:31	13° <b>♁</b> 15'39	1°41'14
	-11260 Feb 27 j 03:25	0° <b>♁</b>		max. Earth dist.	-11255 Aug 23 j 07:04	13° <b>♁</b> 07'57	6.24825 AU
evening set	-11260 Mar 03 j 08:56	1° <b>♁</b> 10'18		morning rise	-11255 Sep 05 j 06:15	16° <b>♁</b> 05'53	
					-11255 Nov 14 j 02:35	0° <b>♁</b>	
conjunction	-11260 Mar 17 j 00:05	4° <b>♁</b> 15'09	-1°24'33	retrograde	-11254 Jan 10 j 01:10	4° <b>♁</b> 36'45	
minimum elong	-11260 Mar 17 j 00:10	4° <b>♁</b> 15'12	1°25'10		-11254 Mar 10 j 02:52	30° <b>♁</b>	
max. Earth dist.	-11260 Mar 17 j 02:48	4° <b>♁</b> 16'41	6.19753 AU	opposition	-11254 Mar 12 j 15:49	29° <b>♁</b> 40'31	2°12'25
morning rise	-11260 Mar 30 j 13:30	7° <b>♁</b> 18'56		min. Earth dist.	-11254 Mar 12 j 19:04	29° <b>♁</b> 39'28	4.21164 AU
retrograde	-11260 Aug 01 j 04:14	25° <b>♁</b> 32'16		direct	-11254 May 12 j 06:31	24° <b>♁</b> 47'12	
opposition	-11260 Sep 29 j 05:33	20° <b>♁</b> 34'20	-1°35'50		-11254 Jul 10 j 21:14	0° <b>♁</b>	
min. Earth dist.	-11260 Sep 29 j 09:18	20° <b>♁</b> 33'05	4.23639 AU	evening set	-11254 Sep 12 j 12:19	13° <b>♁</b> 02'13	
direct	-11260 Nov 28 j 23:47	15° <b>♁</b> 30'01					
	-11259 Mar 18 j 21:54	0° <b>♁</b>		conjunction	-11254 Sep 25 j 03:36	15° <b>♁</b> 57'52	1°11'25
evening set	-11259 Apr 07 j 01:58	4° <b>♁</b> 11'12		minimum elong	-11254 Sep 25 j 03:41	15° <b>♁</b> 57'55	1°12'02
				max. Earth dist.	-11254 Sep 25 j 06:54	15° <b>♁</b> 59'47	6.17253 AU
conjunction	-11259 Apr 20 j 12:17	7° <b>♁</b> 11'10	-0°39'29	morning rise	-11254 Oct 07 j 21:20	18° <b>♁</b> 54'57	
minimum elong	-11259 Apr 20 j 12:21	7° <b>♁</b> 11'12	0°40'00		-11254 Nov 28 j 20:27	0° <b>♁</b>	
max. Earth dist.	-11259 Apr 19 j 23:22	7° <b>♁</b> 03'56	6.27159 AU	retrograde	-11253 Feb 14 j 12:00	8° <b>♁</b> 08'03	
morning rise	-11259 May 03 j 19:11	10° <b>♁</b> 09'23		opposition	-11253 Apr 16 j 18:59	3° <b>♁</b> 08'04	1°08'44
	-11259 May 26 j 01:07	15° <b>♁</b>		min. Earth dist.	-11253 Apr 16 j 11:13	3° <b>♁</b> 10'36	4.13648 AU
retrograde	-11259 Sep 02 j 02:37	27° <b>♁</b> 45'04			-11253 May 12 j 22:55	30° <b>♁</b>	
opposition	-11259 Oct 31 j 16:01	22° <b>♁</b> 50'40	-0°18'17	direct	-11253 Jun 15 j 05:37	28° <b>♁</b> 15'08	
min. Earth dist.	-11259 Nov 01 j 05:01	22° <b>♁</b> 46'24	4.30124 AU		-11253 Jul 18 j 03:45	0° <b>♁</b>	
direct	-11258 Jan 01 j 11:25	17° <b>♁</b> 47'06			-11253 Oct 08 j 08:42	15° <b>♁</b>	
asc. node	-11258 Jan 25 j 14:39	18° <b>♁</b> 39'27		evening set	-11253 Oct 16 j 00:44	16° <b>♁</b> 46'25	
	-11258 Apr 11 j 12:00	0° <b>♁</b>					
evening set	-11258 May 10 j 04:08	6° <b>♁</b> 08'30		conjunction	-11253 Oct 29 j 02:15	19° <b>♁</b> 49'34	0°17'45
max. Earth dist.	-11258 May 22 j 03:58	8° <b>♁</b> 48'30	6.32272 AU	minimum elong	-11253 Oct 29 j 02:17	19° <b>♁</b> 49'35	0°18'11
				max. Earth dist.	-11253 Oct 29 j 21:13	20° <b>♁</b> 00'40	6.10562 AU
conjunction	-11258 May 23 j 05:54	9° <b>♁</b> 02'58	0°16'49	morning rise	-11253 Nov 11 j 07:28	22° <b>♁</b> 54'43	
minimum elong	-11258 May 23 j 05:52	9° <b>♁</b> 02'56	0°16'33		-11253 Dec 12 j 21:45	0° <b>♁</b>	
morning rise	-11258 Jun 05 j 04:23	11° <b>♁</b> 55'42		desc. node	-11252 Feb 22 j 01:22	11° <b>♁</b> 23'49	
retrograde	-11258 Oct 03 j 19:39	29° <b>♁</b> 14'13		retrograde	-11252 Mar 21 j 13:55	12° <b>♁</b> 39'33	
opposition	-11258 Dec 03 j 00:38	24° <b>♁</b> 22'02	1°03'03	opposition	-11252 May 21 j 06:08	7° <b>♁</b> 36'13	-0°20'42
min. Earth dist.	-11258 Dec 03 j 20:46	24° <b>♁</b> 15'33	4.33513 AU	min. Earth dist.	-11252 May 20 j 12:18	7° <b>♁</b> 42'10	4.08332 AU
direct	-11257 Feb 03 j 11:46	19° <b>♁</b> 20'37		direct	-11252 Jul 18 j 17:27	2° <b>♁</b> 41'45	
	-11257 May 06 j 19:40	0° <b>♁</b>		evening set	-11252 Nov 19 j 08:52	21° <b>♁</b> 32'32	
evening set	-11257 Jun 11 j 00:37	7° <b>♁</b> 28'16					
				conjunction	-11252 Dec 02 j 19:45	24° <b>♁</b> 41'16	-0°43'10
conjunction	-11257 Jun 23 j 17:03	10° <b>♁</b> 18'05	1°07'27	minimum elong	-11252 Dec 02 j 19:40	24° <b>♁</b> 41'13	0°43'04
minimum elong	-11257 Jun 23 j 16:58	10° <b>♁</b> 18'02	1°07'31	max. Earth dist.	-11252 Dec 04 j 01:29	24° <b>♁</b> 58'40	6.07099 AU
max. Earth dist.	-11257 Jun 22 j 12:24	10° <b>♁</b> 02'04	6.33617 AU	morning rise	-11252 Dec 16 j 09:54	27° <b>♁</b> 51'43	
morning rise	-11257 Jul 06 j 06:38	13° <b>♁</b> 06'34			-11252 Dec 25 j 16:23	0° <b>♁</b>	
	-11257 Oct 17 j 13:45	0° <b>♁</b>		retrograde	-11251 Apr 26 j 16:27	17° <b>♁</b> 45'43	
retrograde	-11257 Nov 04 j 19:37	0° <b>♁</b> 31'15		opposition	-11251 Jun 25 j 12:45	12° <b>♁</b> 40'44	-1°43'54
	-11257 Nov 23 j 04:03	30° <b>♁</b>		min. Earth dist.	-11251 Jun 24 j 16:53	12° <b>♁</b> 47'30	4.07123 AU
opposition	-11256 Jan 04 j 18:32	25° <b>♁</b> 39'29	2°05'41	direct	-11251 Aug 22 j 17:43	7° <b>♁</b> 43'14	

Attention, astronomical year style is used: The year -11250 in astronomical counting style is the year 11251 BCE in historical counting style.

evening set	-11251 Dec 26 j 02:55	26° $\Omega$ 49'34		evening set	-11245 Jun 15 j 10:25	11° $\Upsilon$ 57'18	
				max. Earth dist.	-11245 Jun 26 j 20:20	14° $\Upsilon$ 30'18	6.33378 AU
conjunction	-11250 Jan 08 j 18:51	29° $\Omega$ 59'46	-1°28'46	conjunction	-11245 Jun 28 j 01:30	14° $\Upsilon$ 46'39	1°13'14
minimum elong	-11250 Jan 08 j 18:45	29° $\Omega$ 59'42	1°29'01	minimum elong	-11245 Jun 28 j 01:25	14° $\Upsilon$ 46'36	1°13'20
	-11250 Jan 08 j 19:15	0° $\mathbb{M}$		morning rise	-11245 Jul 10 j 14:14	17° $\Upsilon$ 34'49	
max. Earth dist.	-11250 Jan 10 j 01:17	0° $\mathbb{M}$ 17'27	6.08139 AU		-11245 Sep 11 j 04:30	0° $\mathcal{B}$	
morning rise	-11250 Jan 22 j 12:27	3° $\mathbb{M}$ 10'47		retrograde	-11245 Nov 09 j 10:46	5° $\mathcal{B}$ 02'24	
	-11250 Mar 19 j 00:27	15° $\mathbb{M}$		opposition	-11244 Jan 09 j 10:17	0° $\mathcal{B}$ 10'34	2°11'52
retrograde	-11250 May 31 j 22:12	22° $\mathbb{M}$ 45'44		min. Earth dist.	-11244 Jan 10 j 05:57	0° $\mathcal{B}$ 04'20	4.32414 AU
min. Earth dist.	-11250 Jul 29 j 11:14	17° $\mathbb{M}$ 47'06	4.10445 AU		-11244 Jan 10 j 19:37	30° $\mathcal{R}\Upsilon$	
opposition	-11250 Jul 30 j 03:19	17° $\mathbb{M}$ 41'36	-2°28'56	direct	-11244 Mar 11 j 18:48	25° $\Upsilon$ 12'41	
	-11250 Aug 19 j 22:49	15° $\mathcal{R}\mathbb{M}$			-11244 May 09 j 09:27	0° $\mathcal{B}$	
direct	-11250 Sep 26 j 17:39	12° $\mathbb{M}$ 40'45		evening set	-11244 Jul 15 j 14:28	13° $\mathcal{B}$ 14'49	
	-11250 Nov 03 j 20:50	15° $\mathbb{M}$			-11244 Jul 23 j 09:05	15° $\mathcal{B}$	
	-11249 Jan 24 j 01:11	0° $\mathcal{Z}$		conjunction	-11244 Jul 27 j 23:35	16° $\mathcal{B}$ 02'32	1°40'39
evening set	-11249 Feb 01 j 03:54	1° $\mathcal{Z}$ 50'18		minimum elong	-11244 Jul 27 j 23:32	16° $\mathcal{B}$ 02'31	1°41'04
conjunction	-11249 Feb 14 j 20:39	4° $\mathcal{Z}$ 58'27	-1°41'57	max. Earth dist.	-11244 Jul 27 j 01:05	15° $\mathcal{B}$ 49'48	6.30277 AU
minimum elong	-11249 Feb 14 j 20:40	4° $\mathcal{Z}$ 58'28	1°42'29	morning rise	-11244 Aug 09 j 07:41	18° $\mathcal{B}$ 49'54	
max. Earth dist.	-11249 Feb 15 j 14:14	5° $\mathcal{Z}$ 08'32	6.13331 AU		-11244 Oct 02 j 13:07	0° $\mathbb{I}$	
morning rise	-11249 Feb 28 j 13:21	8° $\mathcal{Z}$ 06'24		retrograde	-11244 Dec 11 j 12:44	6° $\mathbb{I}$ 45'40	
retrograde	-11249 Jul 04 j 21:29	27° $\mathcal{Z}$ 00'29		opposition	-11243 Feb 11 j 00:58	1° $\mathbb{I}$ 52'07	2°32'09
opposition	-11249 Sep 01 j 20:17	21° $\mathcal{Z}$ 59'15	-2°20'43	min. Earth dist.	-11243 Feb 11 j 13:10	1° $\mathbb{I}$ 48'15	4.27598 AU
min. Earth dist.	-11249 Sep 01 j 14:12	22° $\mathcal{Z}$ 01'19	4.17007 AU		-11243 Feb 26 j 04:12	30° $\mathcal{R}\mathcal{B}$	
direct	-11249 Oct 31 j 12:13	16° $\mathcal{Z}$ 55'48		direct	-11243 Apr 13 j 14:59	26° $\mathcal{B}$ 57'10	
	-11248 Feb 10 j 06:19	0° $\mathcal{B}$			-11243 May 29 j 03:11	0° $\mathbb{I}$	
evening set	-11248 Mar 08 j 06:09	5° $\mathcal{B}$ 54'11		evening set	-11243 Aug 15 j 21:33	15° $\mathbb{I}$ 02'23	
conjunction	-11248 Mar 21 j 21:02	8° $\mathcal{B}$ 58'30	-1°19'37	conjunction	-11243 Aug 28 j 06:54	17° $\mathbb{I}$ 52'36	1°38'22
minimum elong	-11248 Mar 21 j 21:08	8° $\mathcal{B}$ 58'33	1°20'14	minimum elong	-11243 Aug 28 j 06:57	17° $\mathbb{I}$ 52'38	1°38'58
max. Earth dist.	-11248 Mar 21 j 22:29	8° $\mathcal{B}$ 59'19	6.20753 AU	max. Earth dist.	-11243 Aug 27 j 20:09	17° $\mathbb{I}$ 46'25	6.24069 AU
morning rise	-11248 Apr 04 j 09:37	12° $\mathcal{B}$ 01'34		morning rise	-11243 Sep 09 j 17:19	20° $\mathbb{I}$ 43'29	
	-11248 Jul 27 j 00:25	0° $\approx$			-11243 Oct 22 j 21:22	0° $\mathcal{B}$	
retrograde	-11248 Aug 05 j 15:22	0° $\approx$ 09'15		retrograde	-11242 Jan 14 j 22:20	9° $\mathcal{B}$ 19'18	
	-11248 Aug 15 j 05:58	30° $\mathcal{R}\mathcal{B}$		opposition	-11242 Mar 17 j 12:08	4° $\mathcal{B}$ 22'34	2°05'53
opposition	-11248 Oct 03 j 17:47	25° $\mathcal{B}$ 11'54	-1°26'16	min. Earth dist.	-11242 Mar 17 j 14:32	4° $\mathcal{B}$ 21'48	4.20385 AU
min. Earth dist.	-11248 Oct 03 j 22:37	25° $\mathcal{B}$ 10'17	4.24527 AU		-11242 Apr 29 j 01:34	30° $\mathcal{R}\mathbb{I}$	
direct	-11248 Dec 03 j 15:09	20° $\mathcal{B}$ 07'38		direct	-11242 May 17 j 00:18	29° $\mathbb{I}$ 29'25	
	-11247 Mar 01 j 02:20	0° $\approx$			-11242 Jun 03 j 20:35	0° $\mathcal{B}$	
evening set	-11247 Apr 11 j 18:09	8° $\approx$ 46'28		evening set	-11242 Sep 17 j 01:23	17° $\mathcal{B}$ 45'15	
max. Earth dist.	-11247 Apr 24 j 10:52	11° $\approx$ 36'32	6.27871 AU	conjunction	-11242 Sep 29 j 17:52	20° $\mathcal{B}$ 41'45	1°05'08
conjunction	-11247 Apr 25 j 03:21	11° $\approx$ 45'45	-0°31'57	minimum elong	-11242 Sep 29 j 17:57	20° $\mathcal{B}$ 41'49	1°05'43
minimum elong	-11247 Apr 25 j 03:24	11° $\approx$ 45'47	0°32'27	max. Earth dist.	-11242 Sep 29 j 23:05	20° $\mathcal{B}$ 44'47	6.16532 AU
morning rise	-11247 May 08 j 09:25	14° $\approx$ 43'20		morning rise	-11242 Oct 12 j 13:07	23° $\mathcal{B}$ 39'50	
	-11247 May 09 j 15:26	15° $\approx$			-11242 Nov 09 j 20:45	0° $\mathcal{Q}$	
	-11247 Jul 30 j 11:56	0° $\mathcal{H}$		retrograde	-11241 Feb 19 j 09:04	12° $\mathcal{Q}$ 56'55	
retrograde	-11247 Sep 06 j 13:28	2° $\mathcal{H}$ 16'03		opposition	-11241 Apr 21 j 15:52	7° $\mathcal{Q}$ 56'26	0°57'18
	-11247 Oct 14 j 20:52	30° $\mathcal{R}\approx$		min. Earth dist.	-11241 Apr 21 j 05:49	7° $\mathcal{Q}$ 59'43	4.13032 AU
opposition	-11247 Nov 05 j 04:00	27° $\approx$ 22'03	-0°06'39	direct	-11241 Jun 19 j 22:23	3° $\mathcal{Q}$ 03'25	
min. Earth dist.	-11247 Nov 05 j 18:52	27° $\approx$ 17'11	4.30610 AU		-11241 Sep 21 j 11:09	15° $\mathcal{Q}$	
asc. node	-11247 Dec 06 j 09:40	23° $\approx$ 43'43		evening set	-11241 Oct 20 j 18:26	21° $\mathcal{Q}$ 36'15	
direct	-11246 Jan 06 j 02:47	22° $\approx$ 18'42		conjunction	-11241 Nov 02 j 21:21	24° $\mathcal{Q}$ 40'13	0°09'21
	-11246 Mar 23 j 14:25	0° $\mathcal{H}$		minimum elong	-11241 Nov 02 j 21:22	24° $\mathcal{Q}$ 40'14	0°09'45
evening set	-11246 May 14 j 16:11	10° $\mathcal{H}$ 38'32		behind sun begin	-11241 Nov 02 j 14:39	24° $\mathcal{Q}$ 36'19	
conjunction	-11246 May 27 j 16:51	13° $\mathcal{H}$ 32'24	0°24'33	behind sun end	-11241 Nov 03 j 04:05	24° $\mathcal{Q}$ 44'09	
minimum elong	-11246 May 27 j 16:48	13° $\mathcal{H}$ 32'23	0°24'20	max. Earth dist.	-11241 Nov 03 j 18:00	24° $\mathcal{Q}$ 52'18	6.10102 AU
max. Earth dist.	-11246 May 26 j 15:24	13° $\mathcal{H}$ 18'13	6.32508 AU	morning rise	-11241 Nov 16 j 03:54	27° $\mathcal{Q}$ 46'11	
morning rise	-11246 Jun 09 j 13:54	16° $\mathcal{H}$ 24'31			-11241 Nov 25 j 20:10	0° $\mathbb{H}$	
	-11246 Aug 19 j 09:08	0° $\Upsilon$		desc. node	-11240 Jan 02 j 14:50	8° $\mathbb{H}$ 06'29	
retrograde	-11246 Oct 08 j 05:41	3° $\mathbb{H}$ 43'11		retrograde	-11240 Mar 26 j 13:18	17° $\mathbb{H}$ 33'04	
	-11246 Nov 28 j 13:09	30° $\mathcal{R}\mathcal{H}$		min. Earth dist.	-11240 May 25 j 08:46	12° $\mathbb{H}$ 35'18	4.08051 AU
opposition	-11246 Dec 07 j 13:39	28° $\mathcal{H}$ 51'13	1°13'23	opposition	-11240 May 26 j 02:28	12° $\mathbb{H}$ 29'22	-0°33'14
min. Earth dist.	-11246 Dec 08 j 09:09	28° $\mathcal{H}$ 44'58	4.33512 AU	direct	-11240 Jul 23 j 12:59	7° $\mathbb{H}$ 34'31	
direct	-11245 Feb 08 j 00:12	23° $\mathcal{H}$ 50'18		evening set	-11240 Nov 24 j 07:34	26° $\mathbb{H}$ 27'23	
	-11245 Apr 16 j 18:14	0° $\Upsilon$					

Attention, astronomical year style is used: The year -11240 in astronomical counting style is the year 11241 BCE in historical counting style.

conjunction	-11240 Dec 07 j 19:25	29° $\mathbb{M}$ 36'32	-0°50'46	minimum elong	-11234 Jun 01 j 03:40	18° $\mathbb{H}$ 03'03	0°32'02
minimum elong	-11240 Dec 07 j 19:20	29° $\mathbb{M}$ 36'29	0°50'44	morning rise	-11234 Jun 13 j 23:42	20° $\mathbb{H}$ 54'32	
max. Earth dist.	-11240 Dec 09 j 01:52	29° $\mathbb{M}$ 54'21	6.07018 AU		-11234 Jul 27 j 14:17	0° $\mathbb{Y}$	
	-11240 Dec 09 j 11:31	0° $\mathbb{L}$		retrograde	-11234 Oct 12 j 17:40	8° $\mathbb{Y}$ 12'50	
morning rise	-11240 Dec 21 j 10:20	2° $\mathbb{L}$ 47'19		opposition	-11234 Dec 12 j 03:20	3° $\mathbb{Y}$ 20'55	1°23'20
retrograde	-11239 May 01 j 13:18	22° $\mathbb{L}$ 40'20		min. Earth dist.	-11234 Dec 12 j 23:23	3° $\mathbb{Y}$ 14'29	4.33689 AU
min. Earth dist.	-11239 Jun 29 j 11:23	17° $\mathbb{L}$ 42'05	4.07279 AU		-11233 Jan 09 j 21:24	30° $\mathbb{R}$ $\mathbb{H}$	
opposition	-11239 Jun 30 j 07:07	17° $\mathbb{L}$ 35'22	-1°52'50	direct	-11233 Feb 12 j 15:00	28° $\mathbb{H}$ 20'17	
direct	-11239 Aug 27 j 11:11	12° $\mathbb{L}$ 37'26			-11233 Mar 18 j 09:55	0° $\mathbb{Y}$	
	-11239 Dec 23 j 12:54	0° $\mathbb{M}$		evening set	-11233 Jun 19 j 19:27	16° $\mathbb{Y}$ 25'37	
evening set	-11239 Dec 31 j 04:39	1° $\mathbb{M}$ 45'26		max. Earth dist.	-11233 Jul 01 j 06:13	18° $\mathbb{Y}$ 59'10	6.33316 AU
conjunction	-11238 Jan 13 j 20:47	4° $\mathbb{M}$ 55'34	-1°32'40	conjunction	-11233 Jul 02 j 09:33	19° $\mathbb{Y}$ 14'29	1°18'36
minimum elong	-11238 Jan 13 j 20:42	4° $\mathbb{M}$ 55'31	1°33'00	minimum elong	-11233 Jul 02 j 09:27	19° $\mathbb{Y}$ 14'26	1°18'45
max. Earth dist.	-11238 Jan 15 j 00:15	5° $\mathbb{M}$ 11'30	6.08489 AU	morning rise	-11233 Jul 14 j 21:08	22° $\mathbb{Y}$ 02'13	
morning rise	-11238 Jan 27 j 14:38	8° $\mathbb{M}$ 06'26			-11233 Aug 21 j 09:27	0° $\mathbb{B}$	
	-11238 Feb 27 j 12:15	15° $\mathbb{M}$		retrograde	-11233 Nov 13 j 22:41	9° $\mathbb{B}$ 32'01	
retrograde	-11238 Jun 05 j 15:40	27° $\mathbb{M}$ 37'37		opposition	-11232 Jan 14 j 01:24	4° $\mathbb{B}$ 40'01	2°17'15
opposition	-11238 Aug 03 j 19:29	22° $\mathbb{M}$ 33'45	-2°30'59	min. Earth dist.	-11232 Jan 14 j 19:47	4° $\mathbb{B}$ 34'12	4.32118 AU
min. Earth dist.	-11238 Aug 03 j 04:52	22° $\mathbb{M}$ 38'46	4.10964 AU		-11232 Mar 02 j 11:29	30° $\mathbb{R}$ $\mathbb{Y}$	
direct	-11238 Oct 01 j 12:56	17° $\mathbb{M}$ 32'26		direct	-11232 Mar 16 j 07:44	29° $\mathbb{Y}$ 42'33	
	-11237 Jan 06 j 20:03	0° $\mathbb{X}$			-11232 Mar 30 j 05:24	0° $\mathbb{B}$	
evening set	-11237 Feb 06 j 04:40	6° $\mathbb{X}$ 42'14			-11232 Jul 07 j 15:40	15° $\mathbb{B}$	
conjunction	-11237 Feb 19 j 21:35	9° $\mathbb{X}$ 50'09	-1°40'49	evening set	-11232 Jul 19 j 22:34	17° $\mathbb{B}$ 44'00	
minimum elong	-11237 Feb 19 j 21:37	9° $\mathbb{X}$ 50'10	1°41'23	max. Earth dist.	-11232 Jul 31 j 08:56	20° $\mathbb{B}$ 19'08	6.29736 AU
max. Earth dist.	-11237 Feb 20 j 14:15	9° $\mathbb{X}$ 59'41	6.13992 AU	conjunction	-11232 Aug 01 j 07:07	20° $\mathbb{B}$ 31'42	1°42'13
morning rise	-11237 Mar 05 j 13:48	12° $\mathbb{X}$ 57'38		minimum elong	-11232 Aug 01 j 07:05	20° $\mathbb{B}$ 31'41	1°42'40
	-11237 Jun 06 j 08:48	0° $\mathbb{Z}$		morning rise	-11232 Aug 13 j 15:10	23° $\mathbb{B}$ 19'13	
retrograde	-11237 Jul 09 j 12:55	1° $\mathbb{Z}$ 46'25			-11232 Sep 13 j 08:23	0° $\mathbb{I}$	
	-11237 Aug 11 j 10:32	30° $\mathbb{R}$ $\mathbb{X}$		retrograde	-11232 Dec 16 j 06:06	11° $\mathbb{I}$ 19'24	
opposition	-11237 Sep 06 j 10:34	26° $\mathbb{X}$ 45'43	-2°15'32	opposition	-11231 Feb 15 j 18:24	6° $\mathbb{I}$ 25'26	2°31'19
min. Earth dist.	-11237 Sep 06 j 05:51	26° $\mathbb{X}$ 47'19	4.17744 AU	min. Earth dist.	-11231 Feb 16 j 06:14	6° $\mathbb{I}$ 21'41	4.26832 AU
direct	-11237 Nov 05 j 05:56	21° $\mathbb{X}$ 42'04		direct	-11231 Apr 18 j 06:23	1° $\mathbb{I}$ 30'43	
	-11236 Jan 22 j 05:26	0° $\mathbb{Z}$		evening set	-11231 Aug 20 j 06:45	19° $\mathbb{I}$ 36'35	
evening set	-11236 Mar 13 j 03:29	10° $\mathbb{Z}$ 39'07		conjunction	-11231 Sep 01 j 16:50	22° $\mathbb{I}$ 27'28	1°35'32
conjunction	-11236 Mar 26 j 17:45	13° $\mathbb{Z}$ 42'56	-1°14'08	minimum elong	-11231 Sep 01 j 16:53	22° $\mathbb{I}$ 27'30	1°36'09
minimum elong	-11236 Mar 26 j 17:51	13° $\mathbb{Z}$ 42'59	1°14'44	max. Earth dist.	-11231 Sep 01 j 08:14	22° $\mathbb{I}$ 22'32	6.23142 AU
max. Earth dist.	-11236 Mar 26 j 15:43	13° $\mathbb{Z}$ 41'47	6.21518 AU	morning rise	-11231 Sep 14 j 04:06	25° $\mathbb{I}$ 19'07	
morning rise	-11236 Apr 09 j 05:49	16° $\mathbb{Z}$ 45'28			-11231 Oct 05 j 02:17	0° $\mathbb{D}$	
	-11236 Jun 14 j 16:39	0° $\mathbb{A}$		retrograde	-11230 Jan 19 j 17:32	14° $\mathbb{D}$ 00'29	
retrograde	-11236 Aug 10 j 03:19	4° $\mathbb{A}$ 48'18		opposition	-11230 Mar 22 j 07:52	9° $\mathbb{D}$ 03'16	1°58'38
	-11236 Oct 07 j 05:03	30° $\mathbb{R}$ $\mathbb{Z}$		min. Earth dist.	-11230 Mar 22 j 08:16	9° $\mathbb{D}$ 03'08	4.19357 AU
opposition	-11236 Oct 08 j 06:49	29° $\mathbb{Z}$ 51'24	-1°16'04	direct	-11230 May 21 j 15:18	4° $\mathbb{D}$ 10'14	
min. Earth dist.	-11236 Oct 08 j 13:02	29° $\mathbb{Z}$ 49'19	4.25255 AU	evening set	-11230 Sep 21 j 14:45	22° $\mathbb{D}$ 28'02	
direct	-11236 Dec 08 j 08:01	24° $\mathbb{Z}$ 47'06		conjunction	-11230 Oct 04 j 08:31	25° $\mathbb{D}$ 25'34	0°58'26
	-11235 Feb 07 j 10:18	0° $\mathbb{A}$		minimum elong	-11230 Oct 04 j 08:36	25° $\mathbb{D}$ 25'37	0°59'00
evening set	-11235 Apr 16 j 10:48	13° $\mathbb{A}$ 23'53		max. Earth dist.	-11230 Oct 04 j 15:23	25° $\mathbb{D}$ 29'34	6.15494 AU
	-11235 Apr 23 j 15:32	15° $\mathbb{A}$		morning rise	-11230 Oct 17 j 05:17	28° $\mathbb{D}$ 24'47	
conjunction	-11235 Apr 29 j 19:08	16° $\mathbb{A}$ 22'31	-0°24'10		-11230 Oct 24 j 03:04	0° $\mathbb{Q}$	
minimum elong	-11235 Apr 29 j 19:10	16° $\mathbb{A}$ 22'32	0°24'38		-11229 Jan 11 j 23:52	15° $\mathbb{Q}$	
max. Earth dist.	-11235 Apr 29 j 02:30	16° $\mathbb{A}$ 13'13	6.28540 AU	retrograde	-11229 Feb 24 j 09:24	17° $\mathbb{Q}$ 47'14	
morning rise	-11235 May 12 j 23:57	19° $\mathbb{A}$ 19'21			-11229 Apr 08 j 22:06	15° $\mathbb{R}$ $\mathbb{Q}$	
	-11235 Jul 04 j 01:58	0° $\mathbb{H}$		opposition	-11229 Apr 26 j 13:25	12° $\mathbb{Q}$ 46'14	0°45'25
retrograde	-11235 Sep 11 j 00:04	6° $\mathbb{H}$ 49'04		min. Earth dist.	-11229 Apr 26 j 02:42	12° $\mathbb{Q}$ 49'45	4.12041 AU
asc. node	-11235 Oct 16 j 15:41	4° $\mathbb{H}$ 50'35		direct	-11229 Jun 24 j 17:10	7° $\mathbb{Q}$ 53'00	
opposition	-11235 Nov 09 j 16:42	1° $\mathbb{H}$ 55'25	0°05'06		-11229 Sep 02 j 00:36	15° $\mathbb{Q}$	
min. Earth dist.	-11235 Nov 10 j 07:54	1° $\mathbb{H}$ 50'28	4.31161 AU	evening set	-11229 Oct 25 j 14:04	26° $\mathbb{Q}$ 29'04	
	-11235 Nov 24 j 20:06	30° $\mathbb{R}$ $\mathbb{A}$		conjunction	-11229 Nov 07 j 18:30	29° $\mathbb{Q}$ 34'03	0°00'45
direct	-11234 Jan 10 j 17:19	26° $\mathbb{A}$ 52'20		minimum elong	-11229 Nov 07 j 18:31	29° $\mathbb{Q}$ 34'04	0°01'08
	-11234 Feb 26 j 15:01	0° $\mathbb{H}$		behind sun begin	-11229 Nov 07 j 10:17	29° $\mathbb{Q}$ 29'16	
evening set	-11234 May 19 j 04:32	15° $\mathbb{H}$ 09'57		behind sun end	-11229 Nov 08 j 02:44	29° $\mathbb{Q}$ 38'51	
max. Earth dist.	-11234 May 31 j 00:28	17° $\mathbb{H}$ 47'53	6.32883 AU	max. Earth dist.	-11229 Nov 08 j 17:17	29° $\mathbb{Q}$ 47'24	6.09262 AU
conjunction	-11234 Jun 01 j 03:43	18° $\mathbb{H}$ 03'05	0°32'12		-11229 Nov 09 j 14:48	0° $\mathbb{M}$	

Attention, astronomical year style is used: The year -11229 in astronomical counting style is the year 11230 BCE in historical counting style.

desc. node	-11229 Nov 12 j 11:35	0° $\mathbb{M}$ 40'16	retrograde	-11223 Sep 15 j 09:40	11° $\mathbb{H}$ 21'09		
morning rise	-11229 Nov 21 j 02:30	2° $\mathbb{M}$ 41'01	opposition	-11223 Nov 14 j 05:22	6° $\mathbb{H}$ 27'48	0°16'42	
retrograde	-11228 Mar 31 j 14:26	22° $\mathbb{M}$ 31'05	min. Earth dist.	-11223 Nov 14 j 21:04	6° $\mathbb{H}$ 22'41	4.32263 AU	
min. Earth dist.	-11228 May 30 j 06:07	17° $\mathbb{M}$ 33'17	4.07453 AU	direct	-11222 Jan 15 j 08:39	1° $\mathbb{H}$ 25'00	
opposition	-11228 May 31 j 00:27	17° $\mathbb{M}$ 27'08	-0°45'45	evening set	-11222 May 23 j 15:12	19° $\mathbb{H}$ 38'30	
direct	-11228 Jul 28 j 07:59	12° $\mathbb{M}$ 31'56		max. Earth dist.	-11222 Jun 04 j 10:19	22° $\mathbb{H}$ 15'45	6.33773 AU
	-11228 Nov 23 j 01:00	0° $\underline{\mathbb{A}}$					
evening set	-11228 Nov 29 j 09:38	1° $\underline{\mathbb{A}}$ 28'21		conjunction	-11222 Jun 05 j 13:01	22° $\mathbb{H}$ 30'39	0°39'32
				minimum elong	-11222 Jun 05 j 12:57	22° $\mathbb{H}$ 30'37	0°39'23
conjunction	-11228 Dec 12 j 22:17	4° $\underline{\mathbb{A}}$ 38'01	-0°58'11	morning rise	-11222 Jun 18 j 07:29	25° $\mathbb{H}$ 21'09	
minimum elong	-11228 Dec 12 j 22:12	4° $\underline{\mathbb{A}}$ 37'57	0°58'10		-11222 Jul 09 j 17:49	0° $\mathbb{Y}$	
max. Earth dist.	-11228 Dec 14 j 03:46	4° $\underline{\mathbb{A}}$ 55'16	6.06685 AU	retrograde	-11222 Oct 17 j 01:55	12° $\mathbb{Y}$ 37'43	
morning rise	-11228 Dec 26 j 14:06	7° $\underline{\mathbb{A}}$ 49'15		opposition	-11222 Dec 16 j 14:56	7° $\mathbb{Y}$ 45'56	1°32'30
retrograde	-11227 May 06 j 12:28	27° $\underline{\mathbb{A}}$ 42'05		min. Earth dist.	-11222 Dec 17 j 11:16	7° $\mathbb{Y}$ 39'27	4.34303 AU
min. Earth dist.	-11227 Jul 04 j 08:52	22° $\underline{\mathbb{A}}$ 43'47	4.07254 AU	direct	-11221 Feb 17 j 03:40	2° $\mathbb{Y}$ 45'45	
opposition	-11227 Jul 05 j 04:24	22° $\underline{\mathbb{A}}$ 37'07	-2°01'12	evening set	-11221 Jun 24 j 01:54	20° $\mathbb{Y}$ 48'07	
direct	-11227 Sep 01 j 09:14	17° $\underline{\mathbb{A}}$ 38'42		max. Earth dist.	-11221 Jul 05 j 09:57	23° $\mathbb{Y}$ 20'13	6.33577 AU
	-11227 Dec 05 j 22:28	0° $\mathbb{M}$					
evening set	-11226 Jan 05 j 09:52	6° $\mathbb{M}$ 49'02		conjunction	-11221 Jul 06 j 14:43	23° $\mathbb{Y}$ 36'21	1°23'21
				minimum elong	-11221 Jul 06 j 14:38	23° $\mathbb{Y}$ 36'18	1°23'33
conjunction	-11226 Jan 19 j 02:32	9° $\mathbb{M}$ 59'13	-1°36'02	morning rise	-11221 Jul 19 j 01:34	26° $\mathbb{Y}$ 23'36	
minimum elong	-11226 Jan 19 j 02:28	9° $\mathbb{M}$ 59'10	1°36'24		-11221 Aug 04 j 11:36	0° $\mathbb{B}$	
max. Earth dist.	-11226 Jan 20 j 06:31	10° $\mathbb{M}$ 15'26	6.08775 AU	retrograde	-11221 Nov 18 j 09:05	13° $\mathbb{B}$ 54'55	
morning rise	-11226 Feb 01 j 20:16	13° $\mathbb{M}$ 09'54		opposition	-11220 Jan 18 j 13:39	9° $\mathbb{B}$ 02'44	2°21'39
	-11226 Feb 09 j 20:51	15° $\mathbb{M}$		min. Earth dist.	-11220 Jan 19 j 08:11	8° $\mathbb{B}$ 56'51	4.32013 AU
	-11226 Apr 30 j 18:51	0° $\mathbb{X}$		direct	-11220 Mar 20 j 19:17	4° $\mathbb{B}$ 05'36	
retrograde	-11226 Jun 10 j 13:53	2° $\mathbb{X}$ 37'12			-11220 Jun 21 j 06:40	15° $\mathbb{B}$	
	-11226 Jul 21 j 00:49	30° $\mathbb{R}$ $\mathbb{M}$		evening set	-11220 Jul 24 j 03:07	22° $\mathbb{B}$ 05'58	
opposition	-11226 Aug 08 j 15:00	27° $\mathbb{M}$ 33'46	-2°32'02				
min. Earth dist.	-11226 Aug 08 j 01:33	27° $\mathbb{M}$ 38'22	4.11551 AU	conjunction	-11220 Aug 05 j 11:34	24° $\mathbb{B}$ 53'44	1°43'09
direct	-11226 Oct 06 j 11:08	22° $\mathbb{M}$ 32'09		minimum elong	-11220 Aug 05 j 11:32	24° $\mathbb{B}$ 53'44	1°43'37
	-11226 Dec 17 j 16:24	0° $\mathbb{X}$		max. Earth dist.	-11220 Aug 04 j 15:12	24° $\mathbb{B}$ 42'11	6.29268 AU
evening set	-11225 Feb 11 j 09:00	11° $\mathbb{X}$ 41'47		morning rise	-11220 Aug 17 j 19:26	27° $\mathbb{B}$ 41'24	
					-11220 Aug 28 j 03:15	0° $\mathbb{I}$	
conjunction	-11225 Feb 25 j 01:40	14° $\mathbb{X}$ 49'17	-1°38'59	retrograde	-11220 Dec 20 j 18:22	15° $\mathbb{I}$ 45'56	
minimum elong	-11225 Feb 25 j 01:43	14° $\mathbb{X}$ 49'18	1°39'34	opposition	-11219 Feb 20 j 08:29	10° $\mathbb{I}$ 51'39	2°29'37
max. Earth dist.	-11225 Feb 25 j 15:39	14° $\mathbb{X}$ 57'16	6.14837 AU	min. Earth dist.	-11219 Feb 20 j 19:30	10° $\mathbb{I}$ 48'10	4.26027 AU
morning rise	-11225 Mar 10 j 17:38	17° $\mathbb{X}$ 56'16		direct	-11219 Apr 22 j 17:11	5° $\mathbb{I}$ 57'14	
	-11225 May 07 j 19:41	0° $\mathbb{Z}$		evening set	-11219 Aug 24 j 13:15	24° $\mathbb{I}$ 04'10	
retrograde	-11225 Jul 14 j 05:09	6° $\mathbb{Z}$ 38'49					
opposition	-11225 Sep 11 j 03:31	1° $\mathbb{Z}$ 38'40	-2°09'20	conjunction	-11219 Sep 05 j 23:54	26° $\mathbb{I}$ 55'46	1°32'12
min. Earth dist.	-11225 Sep 10 j 23:25	1° $\mathbb{Z}$ 40'03	4.18791 AU	minimum elong	-11219 Sep 05 j 23:58	26° $\mathbb{I}$ 55'48	1°32'49
	-11225 Sep 23 j 12:20	30° $\mathbb{R}$ $\mathbb{X}$		max. Earth dist.	-11219 Sep 05 j 15:24	26° $\mathbb{I}$ 50'52	6.22069 AU
direct	-11225 Nov 10 j 02:40	26° $\mathbb{X}$ 34'52		morning rise	-11219 Sep 18 j 12:13	29° $\mathbb{I}$ 48'19	
	-11225 Dec 28 j 00:18	0° $\mathbb{Z}$			-11219 Sep 19 j 08:40	0° $\mathbb{E}$	
evening set	-11224 Mar 18 j 02:52	15° $\mathbb{Z}$ 29'15		retrograde	-11218 Jan 24 j 11:48	18° $\mathbb{E}$ 35'59	
				opposition	-11218 Mar 27 j 00:41	13° $\mathbb{E}$ 38'16	1°50'50
conjunction	-11224 Mar 31 j 16:34	18° $\mathbb{Z}$ 32'21	-1°08'06	min. Earth dist.	-11218 Mar 27 j 00:21	13° $\mathbb{E}$ 38'23	4.18073 AU
minimum elong	-11224 Mar 31 j 16:39	18° $\mathbb{Z}$ 32'24	1°08'41	direct	-11218 May 26 j 04:33	8° $\mathbb{E}$ 45'15	
max. Earth dist.	-11224 Mar 31 j 13:37	18° $\mathbb{Z}$ 30'42	6.22736 AU	evening set	-11218 Sep 26 j 02:19	27° $\mathbb{E}$ 06'20	
morning rise	-11224 Apr 14 j 03:41	21° $\mathbb{Z}$ 34'02					
	-11224 May 23 j 17:37	0° $\approx$		conjunction	-11218 Oct 08 j 21:39	0° $\mathbb{O}$ 05'07	0°51'31
retrograde	-11224 Aug 14 j 16:53	9° $\approx$ 30'27		minimum elong	-11218 Oct 08 j 21:44	0° $\mathbb{O}$ 05'10	0°52'04
opposition	-11224 Oct 12 j 21:25	4° $\approx$ 34'06	-1°05'20		-11218 Oct 08 j 12:53	0° $\mathbb{O}$	
min. Earth dist.	-11224 Oct 13 j 04:49	4° $\approx$ 31'39	4.26525 AU	max. Earth dist.	-11218 Oct 09 j 06:56	0° $\mathbb{O}$ 10'31	6.14148 AU
	-11224 Nov 25 j 05:39	30° $\mathbb{R}$ $\mathbb{Z}$		morning rise	-11218 Oct 21 j 19:57	3° $\mathbb{O}$ 05'37	
direct	-11224 Dec 13 j 02:43	29° $\mathbb{Z}$ 29'57			-11218 Dec 16 j 21:52	15° $\mathbb{O}$	
	-11224 Dec 31 j 03:23	0° $\approx$		retrograde	-11217 Mar 01 j 08:10	22° $\mathbb{O}$ 34'27	
	-11223 Apr 07 j 06:05	15° $\approx$		opposition	-11217 May 01 j 09:04	17° $\mathbb{O}$ 33'01	0°33'27
evening set	-11223 Apr 21 j 03:32	18° $\approx$ 02'28		min. Earth dist.	-11217 Apr 30 j 21:25	17° $\mathbb{O}$ 36'52	4.10752 AU
					-11217 May 21 j 18:41	15° $\mathbb{R}$ $\mathbb{O}$	
conjunction	-11223 May 04 j 10:38	21° $\approx$ 00'08	-0°16'15	direct	-11217 Jun 29 j 08:26	12° $\mathbb{O}$ 39'40	
minimum elong	-11223 May 04 j 10:39	21° $\approx$ 00'09	0°16'41		-11217 Aug 06 j 10:17	15° $\mathbb{O}$	
max. Earth dist.	-11223 May 03 j 16:09	20° $\approx$ 49'49	6.29771 AU	desc. node	-11217 Sep 23 j 13:04	23° $\mathbb{O}$ 07'05	
morning rise	-11223 May 17 j 14:17	23° $\approx$ 55'59			-11217 Oct 24 j 14:54	0° $\mathbb{M}$	
	-11223 Jun 14 j 19:07	0° $\mathbb{H}$		evening set	-11217 Oct 30 j 09:20	1° $\mathbb{M}$ 20'21	
asc. node	-11223 Aug 26 j 18:59	10° $\mathbb{H}$ 43'57					



Attention, astronomical year style is used: The year -11217 in astronomical counting style is the year 11218 BCE in historical counting style.

conjunction	-11217 Nov 12 j 15:05	4° $\mathbb{M}$ 26'27	-0°07'47	behind sun end	-11211 May 09 j 07:25	25° $\approx$ 36'56	
minimum elong	-11217 Nov 12 j 15:04	4° $\mathbb{M}$ 26'26	0°07'29	morning rise	-11211 May 22 j 02:47	28° $\approx$ 28'01	
behind sun begin	-11217 Nov 12 j 07:35	4° $\mathbb{M}$ 22'04			-11211 May 29 j 01:44	0° $\mathbb{H}$	
behind sun end	-11217 Nov 12 j 22:34	4° $\mathbb{M}$ 30'49		asc. node	-11211 Jul 06 j 10:41	7° $\mathbb{H}$ 53'04	
max. Earth dist.	-11217 Nov 13 j 14:07	4° $\mathbb{M}$ 39'57	6.08150 AU	retrograde	-11211 Sep 19 j 19:44	15° $\mathbb{H}$ 50'06	
morning rise	-11217 Nov 26 j 00:39	7° $\mathbb{M}$ 34'33		opposition	-11211 Nov 18 j 17:19	10° $\mathbb{H}$ 57'06	0°28'09
retrograde	-11216 Apr 05 j 14:10	27° $\mathbb{M}$ 28'47		min. Earth dist.	-11211 Nov 19 j 10:44	10° $\mathbb{H}$ 51'27	4.32898 AU
opposition	-11216 Jun 04 j 21:48	22° $\mathbb{M}$ 24'30	-0°57'50	direct	-11210 Jan 19 j 23:45	5° $\mathbb{H}$ 54'36	
min. Earth dist.	-11216 Jun 04 j 02:24	22° $\mathbb{M}$ 31'02	4.06636 AU	evening set	-11210 May 28 j 01:27	24° $\mathbb{H}$ 05'45	
direct	-11216 Aug 02 j 03:12	17° $\mathbb{M}$ 28'53					
	-11216 Nov 05 j 18:48	0° $\mathbb{L}$		conjunction	-11210 Jun 09 j 21:56	26° $\mathbb{H}$ 57'12	0°46'39
evening set	-11216 Dec 04 j 11:55	6° $\mathbb{L}$ 29'41		minimum elong	-11210 Jun 09 j 21:52	26° $\mathbb{H}$ 57'10	0°46'34
				max. Earth dist.	-11210 Jun 08 j 17:39	26° $\mathbb{H}$ 41'27	6.34057 AU
conjunction	-11216 Dec 18 j 01:39	9° $\mathbb{L}$ 39'56	-1°05'06	morning rise	-11210 Jun 22 j 15:15	29° $\mathbb{H}$ 47'06	
minimum elong	-11216 Dec 18 j 01:33	9° $\mathbb{L}$ 39'52	1°05'09		-11210 Jun 23 j 14:34	0° $\mathbb{Y}$	
max. Earth dist.	-11216 Dec 19 j 09:26	9° $\mathbb{L}$ 58'32	6.06248 AU	retrograde	-11210 Oct 21 j 12:07	17° $\mathbb{Y}$ 04'19	
morning rise	-11216 Dec 31 j 17:59	12° $\mathbb{L}$ 51'34		opposition	-11210 Dec 21 j 03:55	12° $\mathbb{Y}$ 12'34	1°41'19
	-11215 Mar 30 j 13:40	0° $\mathbb{M}$		min. Earth dist.	-11210 Dec 22 j 00:15	12° $\mathbb{Y}$ 06'05	4.34243 AU
retrograde	-11215 May 11 j 13:30	2° $\mathbb{M}$ 44'02		direct	-11209 Feb 21 j 16:13	7° $\mathbb{Y}$ 12'47	
	-11215 Jun 22 j 04:30	30° $\mathbb{R}$ $\mathbb{L}$		evening set	-11209 Jun 28 j 09:47	25° $\mathbb{Y}$ 14'29	
min. Earth dist.	-11215 Jul 09 j 06:30	27° $\mathbb{L}$ 45'36	4.07265 AU				
opposition	-11215 Jul 10 j 01:28	27° $\mathbb{L}$ 39'07	-2°08'36	conjunction	-11209 Jul 10 j 21:45	28° $\mathbb{Y}$ 02'27	1°27'45
direct	-11215 Sep 06 j 07:21	22° $\mathbb{L}$ 40'14		minimum elong	-11209 Jul 10 j 21:40	28° $\mathbb{Y}$ 02'24	1°28'00
	-11215 Nov 15 j 19:46	0° $\mathbb{M}$		max. Earth dist.	-11209 Jul 09 j 18:30	27° $\mathbb{Y}$ 47'09	6.33164 AU
evening set	-11214 Jan 10 j 15:30	11° $\mathbb{M}$ 52'27			-11209 Jul 19 j 15:07	0° $\mathbb{B}$	
				morning rise	-11209 Jul 23 j 07:40	0° $\mathbb{B}$ 49'30	
conjunction	-11214 Jan 24 j 08:16	15° $\mathbb{M}$ 02'29	-1°38'39		-11209 Oct 05 j 16:40	15° $\mathbb{B}$	
minimum elong	-11214 Jan 24 j 08:13	15° $\mathbb{M}$ 02'27	1°39'02	retrograde	-11209 Nov 22 j 22:52	18° $\mathbb{B}$ 24'44	
	-11214 Jan 24 j 03:59	15° $\mathbb{M}$			-11208 Jan 11 j 11:50	15° $\mathbb{R}$ $\mathbb{B}$	
max. Earth dist.	-11214 Jan 25 j 10:44	15° $\mathbb{M}$ 17'48	6.09203 AU	opposition	-11208 Jan 23 j 05:13	13° $\mathbb{B}$ 32'26	2°25'27
morning rise	-11214 Feb 07 j 02:07	18° $\mathbb{M}$ 12'56		min. Earth dist.	-11208 Jan 23 j 23:32	13° $\mathbb{B}$ 26'39	4.31289 AU
	-11214 Apr 03 j 15:19	0° $\mathbb{Z}$		direct	-11208 Mar 25 j 09:09	8° $\mathbb{B}$ 35'46	
retrograde	-11214 Jun 15 j 08:43	7° $\mathbb{Z}$ 35'12			-11208 Jun 01 j 16:50	15° $\mathbb{B}$	
opposition	-11214 Aug 13 j 09:37	2° $\mathbb{Z}$ 32'01	-2°31'56	evening set	-11208 Jul 28 j 11:37	26° $\mathbb{B}$ 37'02	
min. Earth dist.	-11214 Aug 12 j 20:11	2° $\mathbb{Z}$ 36'37	4.12351 AU				
	-11214 Sep 01 j 20:22	30° $\mathbb{R}$ $\mathbb{M}$		conjunction	-11208 Aug 09 j 19:48	29° $\mathbb{B}$ 25'08	1°43'32
direct	-11214 Oct 11 j 08:28	27° $\mathbb{M}$ 29'56		minimum elong	-11208 Aug 09 j 19:48	29° $\mathbb{B}$ 25'07	1°44'02
	-11214 Nov 20 j 06:09	0° $\mathbb{Z}$		max. Earth dist.	-11208 Aug 08 j 23:21	29° $\mathbb{B}$ 13'29	6.28273 AU
evening set	-11213 Feb 16 j 11:59	16° $\mathbb{Z}$ 38'08			-11208 Aug 12 j 09:07	0° $\mathbb{I}$	
				morning rise	-11208 Aug 22 j 04:01	2° $\mathbb{I}$ 13'18	
conjunction	-11213 Mar 02 j 04:28	19° $\mathbb{Z}$ 45'05	-1°36'27	retrograde	-11208 Dec 25 j 13:07	20° $\mathbb{I}$ 24'00	
minimum elong	-11213 Mar 02 j 04:31	19° $\mathbb{Z}$ 45'07	1°37'03	opposition	-11207 Feb 25 j 03:29	15° $\mathbb{I}$ 29'21	2°27'00
max. Earth dist.	-11213 Mar 02 j 16:53	19° $\mathbb{Z}$ 52'10	6.15928 AU	min. Earth dist.	-11207 Feb 25 j 12:56	15° $\mathbb{I}$ 26'20	4.24841 AU
morning rise	-11213 Mar 15 j 19:51	22° $\mathbb{Z}$ 51'20		direct	-11207 Apr 27 j 08:09	10° $\mathbb{I}$ 35'13	
	-11213 Apr 17 j 12:29	0° $\mathbb{B}$		evening set	-11207 Aug 29 j 00:42	28° $\mathbb{I}$ 44'24	
retrograde	-11213 Jul 18 j 21:05	11° $\mathbb{B}$ 26'42			-11207 Sep 03 j 12:19	0° $\mathbb{B}$	
opposition	-11213 Sep 15 j 19:10	6° $\mathbb{B}$ 26'59	-2°02'19				
min. Earth dist.	-11213 Sep 15 j 17:09	6° $\mathbb{B}$ 27'40	4.20011 AU	conjunction	-11207 Sep 10 j 12:25	1° $\mathbb{B}$ 36'57	1°28'08
direct	-11213 Nov 14 j 23:21	1° $\mathbb{B}$ 22'59		minimum elong	-11207 Sep 10 j 12:30	1° $\mathbb{B}$ 37'00	1°28'46
evening set	-11212 Mar 22 j 23:53	20° $\mathbb{B}$ 13'49		max. Earth dist.	-11207 Sep 10 j 07:30	1° $\mathbb{B}$ 34'07	6.20817 AU
				morning rise	-11207 Sep 23 j 01:46	4° $\mathbb{B}$ 30'33	
conjunction	-11212 Apr 05 j 12:54	23° $\mathbb{B}$ 16'08	-1°01'42	retrograde	-11206 Jan 29 j 12:09	23° $\mathbb{B}$ 24'55	
minimum elong	-11212 Apr 05 j 12:59	23° $\mathbb{B}$ 16'11	1°02'17	opposition	-11206 Mar 31 j 23:08	18° $\mathbb{B}$ 26'48	1°41'55
max. Earth dist.	-11212 Apr 05 j 07:49	23° $\mathbb{B}$ 13'17	6.23964 AU	min. Earth dist.	-11206 Mar 31 j 21:17	18° $\mathbb{B}$ 27'25	4.16867 AU
morning rise	-11212 Apr 18 j 23:06	26° $\mathbb{B}$ 16'56		direct	-11206 May 30 j 22:31	13° $\mathbb{B}$ 33'58	
	-11212 May 05 j 20:29	0° $\approx$			-11206 Sep 22 j 06:46	0° $\mathbb{L}$	
retrograde	-11212 Aug 19 j 02:50	14° $\approx$ 07'14		evening set	-11206 Sep 30 j 19:24	1° $\mathbb{L}$ 57'52	
opposition	-11212 Oct 17 j 10:18	9° $\approx$ 11'19	-0°54'21				
min. Earth dist.	-11212 Oct 17 j 18:26	9° $\approx$ 08'37	4.27638 AU	conjunction	-11206 Oct 13 j 16:02	4° $\mathbb{L}$ 57'44	0°43'55
direct	-11212 Dec 17 j 18:40	4° $\approx$ 07'13		minimum elong	-11206 Oct 13 j 16:07	4° $\mathbb{L}$ 57'47	0°44'28
	-11211 Mar 20 j 21:21	15° $\approx$		max. Earth dist.	-11206 Oct 14 j 02:48	5° $\mathbb{L}$ 04'02	6.13122 AU
evening set	-11211 Apr 25 j 18:33	22° $\approx$ 36'15		morning rise	-11206 Oct 26 j 16:06	7° $\mathbb{L}$ 59'28	
max. Earth dist.	-11211 May 08 j 04:06	25° $\approx$ 21'44	6.30685 AU		-11206 Nov 26 j 23:31	15° $\mathbb{L}$	
				retrograde	-11205 Mar 06 j 09:21	27° $\mathbb{L}$ 33'10	
conjunction	-11211 May 09 j 00:23	25° $\approx$ 33'02	-0°08'20	opposition	-11205 May 06 j 09:02	22° $\mathbb{L}$ 31'15	0°20'45
minimum elong	-11211 May 09 j 00:24	25° $\approx$ 33'02	0°08'43	min. Earth dist.	-11205 May 05 j 19:03	22° $\mathbb{L}$ 35'53	4.10019 AU
behind sun begin	-11211 May 08 j 17:22	25° $\approx$ 29'08		direct	-11205 Jul 04 j 04:39	17° $\mathbb{L}$ 37'45	

Attention, astronomical year style is used: The year -11205 in astronomical counting style is the year 11206 BCE in historical counting style.

desc. node	-11205 Aug 03 j 14:31	19°♏08'51	conjunction	-11199 May 13 j 10:19	29°♏58'25	-0°00'36
	-11205 Oct 07 j 07:56	0°♏	minimum elong	-11199 May 13 j 10:19	29°♏58'24	0°00'58
evening set	-11205 Nov 04 j 08:33	6°♏20'57	behind sun begin	-11199 May 13 j 02:12	29°♏53'54	
			behind sun end	-11199 May 13 j 18:26	0°♏02'55	
conjunction	-11205 Nov 17 j 15:46	9°♏27'48 -0°16'26	max. Earth dist.	-11199 May 12 j 12:27	29°♏46'13	6.31066 AU
minimum elong	-11205 Nov 17 j 15:44	9°♏27'46 0°16'10		-11199 May 13 j 13:16	0°♏	
max. Earth dist.	-11205 Nov 18 j 18:34	9°♏43'31 6.07806 AU	asc. node	-11199 May 17 j 11:29	0°♏52'36	
morning rise	-11205 Dec 01 j 02:24	12°♏36'33	morning rise	-11199 May 26 j 11:32	2°♏52'46	
	-11204 Mar 01 j 01:02	0°♏	retrograde	-11199 Sep 24 j 02:34	20°♏14'00	
retrograde	-11204 Apr 10 j 16:22	2°♏31'19	opposition	-11199 Nov 23 j 03:16	15°♏21'15	0°39'08
	-11204 May 21 j 00:21	30°♏	min. Earth dist.	-11199 Nov 23 j 20:56	15°♏15'32	4.32926 AU
opposition	-11204 Jun 09 j 20:40	27°♏26'50 -1°09'39	direct	-11198 Jan 24 j 10:06	10°♏19'03	
min. Earth dist.	-11204 Jun 09 j 01:15	27°♏33'23 4.06739 AU	evening set	-11198 Jun 01 j 09:58	28°♏29'54	
direct	-11204 Aug 07 j 02:05	22°♏30'51		-11198 Jun 08 j 04:08	0°♏	
	-11204 Oct 16 j 23:45	0°♏	max. Earth dist.	-11198 Jun 13 j 00:17	1°♏04'49	6.33728 AU
evening set	-11204 Dec 09 j 15:13	11°♏32'34				
			conjunction	-11198 Jun 14 j 05:09	1°♏20'56	0°53'22
conjunction	-11204 Dec 23 j 05:24	14°♏42'47 -1°11'33	minimum elong	-11198 Jun 14 j 05:05	1°♏20'54	0°53'20
minimum elong	-11204 Dec 23 j 05:17	14°♏42'43 1°11'40	morning rise	-11198 Jun 26 j 21:22	4°♏10'29	
max. Earth dist.	-11204 Dec 24 j 12:36	15°♏01'00 6.06757 AU	retrograde	-11198 Oct 25 j 23:55	21°♏30'28	
morning rise	-11203 Jan 05 j 22:18	17°♏54'20	opposition	-11198 Dec 25 j 16:50	16°♏38'48	1°49'29
	-11203 Mar 03 j 14:15	0°♏	min. Earth dist.	-11198 Dec 26 j 13:58	16°♏32'04	4.33598 AU
retrograde	-11203 May 16 j 09:23	7°♏42'30	direct	-11197 Feb 26 j 05:23	11°♏39'25	
opposition	-11203 Jul 14 j 20:43	2°♏37'39 -2°14'54	evening set	-11197 Jul 02 j 17:58	29°♏42'12	
min. Earth dist.	-11203 Jul 14 j 01:20	2°♏44'17 4.08149 AU		-11197 Jul 04 j 01:50	0°♏	
	-11203 Aug 04 j 03:24	30°♏	max. Earth dist.	-11197 Jul 14 j 01:55	2°♏14'50	6.32237 AU
direct	-11203 Sep 11 j 04:01	27°♏38'17				
	-11203 Oct 19 j 09:22	0°♏	conjunction	-11197 Jul 15 j 05:07	2°♏30'09	1°31'36
	-11202 Jan 07 j 18:36	15°♏	minimum elong	-11197 Jul 15 j 05:03	2°♏30'07	1°31'52
evening set	-11202 Jan 15 j 17:55	16°♏49'10	morning rise	-11197 Jul 27 j 14:36	5°♏17'20	
				-11197 Sep 12 j 02:06	15°♏	
conjunction	-11202 Jan 29 j 10:46	19°♏58'41 -1°40'29	retrograde	-11197 Nov 27 j 14:09	22°♏58'03	
minimum elong	-11202 Jan 29 j 10:43	19°♏58'39 1°40'55	opposition	-11196 Jan 27 j 22:15	18°♏05'28	2°28'23
max. Earth dist.	-11202 Jan 30 j 11:49	20°♏13'09 6.10360 AU	min. Earth dist.	-11196 Jan 28 j 14:38	18°♏00'17	4.30173 AU
morning rise	-11202 Feb 12 j 04:17	23°♏08'25		-11196 Feb 23 j 08:58	15°♏	
	-11202 Mar 15 j 02:11	0°♏	direct	-11196 Mar 29 j 22:21	13°♏09'12	
retrograde	-11202 Jun 20 j 00:55	12°♏23'27		-11196 May 04 j 05:14	15°♏	
opposition	-11202 Aug 18 j 00:31	7°♏20'39 -2°30'45		-11196 Jul 27 j 13:05	0°♏	
min. Earth dist.	-11202 Aug 17 j 13:33	7°♏24'24 4.13647 AU	evening set	-11196 Aug 01 j 21:23	1°♏12'17	
direct	-11202 Oct 16 j 04:02	2°♏18'12				
evening set	-11201 Feb 21 j 09:47	21°♏23'20	conjunction	-11196 Aug 14 j 05:47	4°♏00'53	1°43'13
			minimum elong	-11196 Aug 14 j 05:48	4°♏00'54	1°43'45
conjunction	-11201 Mar 07 j 02:00	24°♏29'36 -1°33'22	max. Earth dist.	-11196 Aug 13 j 12:54	3°♏51'15	6.27063 AU
minimum elong	-11201 Mar 07 j 02:05	24°♏29'39 1°33'58	morning rise	-11196 Aug 26 j 14:13	6°♏49'41	
max. Earth dist.	-11201 Mar 07 j 12:01	24°♏35'18 6.17245 AU	retrograde	-11196 Dec 30 j 10:56	25°♏07'00	
morning rise	-11201 Mar 20 j 16:47	27°♏35'02	opposition	-11195 Mar 02 j 00:48	20°♏11'54	2°23'18
	-11201 Mar 31 j 11:40	0°♏	min. Earth dist.	-11195 Mar 02 j 08:49	20°♏09'21	4.23616 AU
retrograde	-11201 Jul 23 j 05:58	16°♏03'04	direct	-11195 May 02 j 01:53	15°♏18'05	
opposition	-11201 Sep 20 j 06:00	11°♏03'53 -1°54'50		-11195 Aug 18 j 04:46	0°♏	
min. Earth dist.	-11201 Sep 20 j 05:06	11°♏04'11 4.21223 AU	evening set	-11195 Sep 02 j 14:14	3°♏29'07	
direct	-11201 Nov 19 j 13:16	5°♏59'44				
evening set	-11200 Mar 27 j 15:53	24°♏47'25	conjunction	-11195 Sep 15 j 02:48	6°♏22'33	1°23'25
			minimum elong	-11195 Sep 15 j 02:53	6°♏22'36	1°24'01
conjunction	-11200 Apr 10 j 04:02	27°♏49'01 -0°55'11	max. Earth dist.	-11195 Sep 14 j 23:31	6°♏20'39	6.19683 AU
minimum elong	-11200 Apr 10 j 04:08	27°♏49'04 0°55'46	morning rise	-11195 Sep 27 j 17:34	9°♏17'14	
max. Earth dist.	-11200 Apr 09 j 18:59	27°♏43'55 6.24985 AU	retrograde	-11194 Feb 03 j 11:47	28°♏17'23	
	-11200 Apr 19 j 21:34	0°♏	opposition	-11194 Apr 05 j 22:47	23°♏18'37	1°32'06
morning rise	-11200 Apr 23 j 13:27	0°♏49'04	min. Earth dist.	-11194 Apr 05 j 17:53	23°♏20'12	4.15893 AU
	-11200 Jul 06 j 04:27	15°♏	direct	-11194 Jun 04 j 17:27	18°♏25'47	
retrograde	-11200 Aug 23 j 11:33	18°♏34'41		-11194 Sep 04 j 23:49	0°♏	
	-11200 Oct 11 j 11:45	15°♏	evening set	-11194 Oct 05 j 13:50	6°♏51'30	
opposition	-11200 Oct 21 j 19:38	13°♏39'15 -0°43'30				
min. Earth dist.	-11200 Oct 22 j 06:36	13°♏35'37 4.28367 AU	conjunction	-11194 Oct 18 j 12:05	9°♏52'22	0°35'57
direct	-11200 Dec 22 j 08:42	8°♏35'14	minimum elong	-11194 Oct 18 j 12:09	9°♏52'24	0°36'27
	-11199 Mar 01 j 05:07	15°♏	max. Earth dist.	-11194 Oct 19 j 02:59	10°♏01'04	6.12398 AU
evening set	-11199 Apr 30 j 05:28	27°♏02'13	morning rise	-11194 Oct 31 j 13:33	12°♏55'05	
				-11194 Nov 09 j 14:34	15°♏	

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

	-11193 Jan 29 j 08:55	0°♎		direct	-11188 Dec 26 j 22:05	13°♏07'50	
retrograde	-11193 Mar 11 j 12:15	2°♎32'01			-11187 Jan 31 j 13:45	15°♏	
	-11193 Apr 21 j 12:58	30°♎♏		asc. node	-11187 Mar 27 j 13:39	23°♏29'37	
opposition	-11193 May 11 j 09:04	27°♏29'38	0°07'48		-11187 Apr 27 j 17:28	0°♐	
min. Earth dist.	-11193 May 10 j 18:33	27°♏34'27	4.09584 AU	evening set	-11187 May 04 j 18:29	1°♐32'57	
desc. node	-11193 Jun 13 j 19:49	23°♏39'20					
direct	-11193 Jul 09 j 02:52	22°♏35'53		conjunction	-11187 May 17 j 21:57	4°♐28'27	0°07'22
	-11193 Sep 17 j 17:06	0°♎		minimum elong	-11187 May 17 j 21:57	4°♐28'27	0°07'03
evening set	-11193 Nov 09 j 08:18	11°♎20'43		behind sun begin	-11187 May 17 j 14:28	4°♐24'18	
				behind sun end	-11187 May 18 j 05:25	4°♐32'36	
conjunction	-11193 Nov 22 j 16:32	14°♎28'06	-0°24'59	max. Earth dist.	-11187 May 16 j 21:36	4°♐14'52	6.31486 AU
minimum elong	-11193 Nov 22 j 16:29	14°♎28'04	0°24'46	morning rise	-11187 May 30 j 22:06	7°♐22'12	
max. Earth dist.	-11193 Nov 23 j 19:34	14°♎43'56	6.07671 AU	retrograde	-11187 Sep 28 j 13:44	24°♐42'32	
morning rise	-11193 Dec 06 j 04:28	17°♎37'24		opposition	-11187 Nov 27 j 15:24	19°♐50'06	0°50'08
	-11192 Feb 02 j 06:17	0°♏		min. Earth dist.	-11187 Nov 28 j 10:44	19°♐43'52	4.33086 AU
retrograde	-11192 Apr 15 j 15:46	7°♏31'49		direct	-11186 Jan 29 j 00:50	14°♐48'16	
opposition	-11192 Jun 14 j 18:42	2°♏27'08	-1°20'58		-11186 May 23 j 06:14	0°♑	
min. Earth dist.	-11192 Jun 13 j 22:04	2°♏34'07	4.06937 AU	evening set	-11186 Jun 05 j 19:45	2°♑58'14	
	-11192 Jul 03 j 18:38	30°♎♎		max. Earth dist.	-11186 Jun 17 j 09:29	5°♑32'57	6.33611 AU
direct	-11192 Aug 11 j 22:53	27°♎30'44					
	-11192 Sep 20 j 00:20	0°♏		conjunction	-11186 Jun 18 j 13:50	5°♑48'48	0°59'56
evening set	-11192 Dec 14 j 18:14	16°♏33'25		minimum elong	-11186 Jun 18 j 13:45	5°♑48'46	0°59'57
				morning rise	-11186 Jul 01 j 04:52	8°♑37'55	
conjunction	-11192 Dec 28 j 09:01	19°♏43'37	-1°17'30	retrograde	-11186 Oct 30 j 11:09	26°♑00'06	
minimum elong	-11192 Dec 28 j 08:55	19°♏43'33	1°17'40	opposition	-11186 Dec 30 j 07:08	21°♑08'26	1°57'09
max. Earth dist.	-11192 Dec 29 j 16:10	20°♏01'47	6.07250 AU	min. Earth dist.	-11186 Dec 31 j 02:49	21°♑02'10	4.33259 AU
morning rise	-11191 Jan 11 j 02:07	22°♏54'58		direct	-11185 Mar 02 j 17:30	16°♑09'34	
	-11191 Feb 11 j 17:52	0°♎			-11185 Jun 17 j 22:51	0°♒	
retrograde	-11191 May 21 j 06:59	12°♎39'11		evening set	-11185 Jul 07 j 02:36	4°♒12'13	
opposition	-11191 Jul 19 j 15:31	7°♎34'32	-2°20'18	max. Earth dist.	-11185 Jul 18 j 11:23	6°♒45'36	6.31703 AU
min. Earth dist.	-11191 Jul 18 j 21:59	7°♎40'32	4.08900 AU				
direct	-11191 Sep 16 j 01:46	2°♎34'42		conjunction	-11185 Jul 19 j 12:57	7°♒00'01	1°34'59
	-11191 Dec 21 j 11:40	15°♎		minimum elong	-11185 Jul 19 j 12:52	6°♒59'59	1°35'18
evening set	-11190 Jan 20 j 20:36	21°♎45'04		morning rise	-11185 Jul 31 j 21:51	9°♒47'10	
					-11185 Aug 24 j 17:55	15°♒	
conjunction	-11190 Feb 03 j 13:33	24°♎54'12	-1°41'40	retrograde	-11185 Dec 02 j 07:08	27°♒32'09	
minimum elong	-11190 Feb 03 j 13:32	24°♎54'11	1°42'10	opposition	-11184 Feb 01 j 15:34	22°♒39'22	2°30'27
max. Earth dist.	-11190 Feb 04 j 13:14	25°♎07'50	6.11298 AU	min. Earth dist.	-11184 Feb 02 j 07:31	22°♒34'19	4.29493 AU
morning rise	-11190 Feb 17 j 06:49	28°♎03'23		direct	-11184 Apr 03 j 13:56	17°♒43'31	
	-11190 Feb 25 j 20:07	0°♑			-11184 Jul 11 j 00:18	0°♓	
retrograde	-11190 Jun 24 j 15:48	17°♑11'59		evening set	-11184 Aug 06 j 06:40	5°♓46'52	
opposition	-11190 Aug 22 j 15:34	12°♑09'41	-2°28'38				
min. Earth dist.	-11190 Aug 22 j 05:22	12°♑13'10	4.14701 AU	conjunction	-11184 Aug 18 j 15:10	8°♓35'50	1°42'20
direct	-11190 Oct 20 j 21:31	7°♑06'56		minimum elong	-11184 Aug 18 j 15:12	8°♓35'51	1°42'53
evening set	-11189 Feb 26 j 08:36	26°♑10'08		max. Earth dist.	-11184 Aug 17 j 23:37	8°♓26'57	6.26289 AU
				morning rise	-11184 Aug 31 j 00:08	11°♓25'09	
conjunction	-11189 Mar 12 j 00:21	29°♑15'48	-1°29'41	retrograde	-11183 Jan 04 j 05:13	29°♓47'28	
minimum elong	-11189 Mar 12 j 00:26	29°♑15'51	1°30'18	opposition	-11183 Mar 06 j 20:14	24°♓51'51	2°18'45
max. Earth dist.	-11189 Mar 12 j 06:17	29°♑19'10	6.18329 AU	min. Earth dist.	-11183 Mar 07 j 01:26	24°♓50'12	4.22809 AU
	-11189 Mar 15 j 06:13	0°♒		direct	-11183 May 06 j 16:29	19°♓58'16	
morning rise	-11189 Mar 25 j 14:41	2°♒20'35			-11183 Jul 31 j 18:45	0°♔	
retrograde	-11189 Jul 27 j 18:39	20°♒42'22		evening set	-11183 Sep 07 j 01:57	8°♔09'59	
opposition	-11189 Sep 24 j 18:37	15°♒43'44	-1°46'36				
min. Earth dist.	-11189 Sep 24 j 20:26	15°♒43'08	4.22228 AU	conjunction	-11183 Sep 19 j 15:40	11°♔04'14	1°18'14
direct	-11189 Nov 24 j 07:11	10°♒39'30		minimum elong	-11183 Sep 19 j 15:45	11°♔04'17	1°18'51
evening set	-11188 Apr 01 j 09:12	29°♒24'42		max. Earth dist.	-11183 Sep 19 j 16:00	11°♔04'26	6.18918 AU
	-11188 Apr 04 j 00:33	0°♓		morning rise	-11183 Oct 02 j 07:33	13°♔59'46	
					-11183 Dec 24 j 14:06	0°♕	
conjunction	-11188 Apr 14 j 20:45	2°♓25'41	-0°48'14	retrograde	-11182 Feb 08 j 10:28	3°♕04'24	
minimum elong	-11188 Apr 14 j 20:50	2°♓25'44	0°48'47		-11182 Mar 26 j 15:55	30°♕♎	
max. Earth dist.	-11188 Apr 14 j 10:32	2°♓19'57	6.25852 AU	opposition	-11182 Apr 10 j 19:43	28°♕05'06	1°21'53
morning rise	-11188 Apr 28 j 05:04	5°♓25'00		min. Earth dist.	-11182 Apr 10 j 14:10	28°♕06'54	4.15200 AU
	-11188 Jun 13 j 01:06	15°♓		direct	-11182 Jun 09 j 11:48	23°♕12'14	
retrograde	-11188 Aug 27 j 20:11	23°♓06'34			-11182 Aug 16 j 10:56	0°♖	
opposition	-11188 Oct 26 j 06:55	18°♓11'38	-0°32'11	evening set	-11182 Oct 10 j 05:51	11°♖39'10	
min. Earth dist.	-11188 Oct 26 j 18:22	18°♓07'52	4.29032 AU				
	-11188 Nov 21 j 15:21	15°♕♓		conjunction	-11182 Oct 23 j 05:23	14°♖40'52	0°27'56

Attention, astronomical year style is used: The year -11182 in astronomical counting style is the year 11183 BCE in historical counting style.

minimum elong	-11182 Oct 23 j 05:26	14°Ω40'54	0°28'24	retrograde	-11176 Sep 01 j 07:40	27°≈39'57	
max. Earth dist.	-11182 Oct 23 j 21:12	14°Ω50'07	6.11841 AU	opposition	-11176 Oct 30 j 19:25	22°≈45'24	-0°20'35
	-11182 Oct 24 j 14:08	15°Ω		min. Earth dist.	-11176 Oct 31 j 08:29	22°≈41'06	4.29622 AU
morning rise	-11182 Nov 05 j 08:30	17°Ω44'31		direct	-11176 Dec 31 j 14:23	17°≈41'45	
	-11181 Jan 02 j 03:38	0°൬		asc. node	-11175 Feb 04 j 15:08	19°≈30'09	
retrograde	-11181 Mar 16 j 09:29	7°൬24'04			-11175 Apr 10 j 23:07	0°✠	
desc. node	-11181 Apr 25 j 07:49	4°൬59'22		evening set	-11175 May 09 j 07:34	6°✠04'46	
opposition	-11181 May 16 j 05:31	2°൬21'15	-0°04'52	max. Earth dist.	-11175 May 21 j 10:20	8°✠46'25	6.31935 AU
min. Earth dist.	-11181 May 15 j 13:10	2°൬26'41	4.09208 AU				
	-11181 Jun 03 j 17:37	30°℞Ω		conjunction	-11175 May 22 j 09:58	8°✠59'36	0°15'15
direct	-11181 Jul 13 j 20:14	27°Ω27'11		minimum elong	-11175 May 22 j 09:56	8°✠59'35	0°14'59
	-11181 Aug 22 j 12:27	0°൬		behind sun begin	-11175 May 22 j 06:57	8°✠57'56	
evening set	-11181 Nov 14 j 05:26	16°൬13'52		behind sun end	-11175 May 22 j 12:55	9°✠01'14	
				morning rise	-11175 Jun 04 j 08:41	11°✠52'37	
conjunction	-11181 Nov 27 j 14:50	19°൬21'47	-0°33'09	retrograde	-11175 Oct 02 j 23:16	29°✠11'54	
minimum elong	-11181 Nov 27 j 14:47	19°൬21'45	0°32'59	opposition	-11175 Dec 02 j 04:21	24°✠19'39	1°00'55
max. Earth dist.	-11181 Nov 28 j 19:01	19°൬38'18	6.07503 AU	min. Earth dist.	-11175 Dec 02 j 22:55	24°✠13'41	4.33367 AU
morning rise	-11181 Dec 11 j 03:39	22°൬31'32		direct	-11174 Feb 02 j 13:50	19°✠18'12	
	-11180 Jan 13 j 12:20	0°Ω			-11174 May 06 j 04:04	0°Υ	
retrograde	-11180 Apr 20 j 13:55	12°Ω25'49		evening set	-11174 Jun 10 j 05:37	7°Υ26'26	
opposition	-11180 Jun 19 j 13:35	7°Ω20'58	-1°31'26				
min. Earth dist.	-11180 Jun 18 j 18:04	7°Ω27'35	4.06989 AU	conjunction	-11174 Jun 22 j 22:14	10°Υ16'21	1°06'10
direct	-11180 Aug 16 j 18:38	2°Ω24'03		minimum elong	-11174 Jun 22 j 22:09	10°Υ16'18	1°06'13
evening set	-11180 Dec 19 j 19:01	21°Ω28'28		max. Earth dist.	-11174 Jun 21 j 17:07	10°Υ00'04	6.33678 AU
				morning rise	-11174 Jul 05 j 12:16	13°Υ04'57	
conjunction	-11179 Jan 02 j 10:22	24°Ω38'45	-1°22'47		-11174 Oct 17 j 11:53	0°✠	
minimum elong	-11179 Jan 02 j 10:16	24°Ω38'42	1°22'59	retrograde	-11174 Nov 04 j 00:35	0°✠28'41	
max. Earth dist.	-11179 Jan 03 j 17:01	24°Ω56'36	6.07506 AU		-11174 Nov 21 j 12:25	30°℞Υ	
morning rise	-11179 Jan 16 j 03:47	27°Ω50'04		opposition	-11173 Jan 03 j 21:37	25°Υ36'56	2°04'09
	-11179 Jan 25 j 14:18	0°ℳ		min. Earth dist.	-11173 Jan 04 j 17:49	25°Υ30'32	4.33101 AU
	-11179 Apr 15 j 23:28	15°ℳ		direct	-11173 Mar 07 j 08:14	20°Υ38'26	
retrograde	-11179 May 26 j 00:59	17°ℳ31'03			-11173 May 31 j 10:41	0°✠	
	-11179 Jul 04 j 18:05	15°℞ℳ		evening set	-11173 Jul 11 j 10:32	8°✠40'10	
opposition	-11179 Jul 24 j 08:05	12°ℳ26'37	-2°24'38				
min. Earth dist.	-11179 Jul 23 j 14:56	12°ℳ32'29	4.09360 AU	conjunction	-11173 Jul 23 j 20:18	11°✠27'49	1°37'49
direct	-11179 Sep 20 j 18:57	7°ℳ26'21		minimum elong	-11173 Jul 23 j 20:14	11°✠27'47	1°38'11
	-11179 Dec 02 j 01:00	15°ℳ		max. Earth dist.	-11173 Jul 22 j 20:05	11°✠14'08	6.31302 AU
evening set	-11178 Jan 25 j 21:40	26°ℳ37'16		morning rise	-11173 Aug 05 j 04:43	14°✠14'55	
					-11173 Aug 08 j 13:14	15°✠	
conjunction	-11178 Feb 08 j 14:34	29°ℳ46'07	-1°42'07		-11173 Oct 30 j 17:22	0°Π	
minimum elong	-11178 Feb 08 j 14:33	29°ℳ46'06	1°42'38	retrograde	-11173 Dec 06 j 20:59	2°Π03'41	
max. Earth dist.	-11178 Feb 09 j 10:42	29°ℳ57'42	6.11908 AU		-11172 Jan 13 j 11:30	30°℞✠	
	-11178 Feb 09 j 14:42	0°✠		opposition	-11172 Feb 06 j 07:57	27°✠10'34	2°31'37
morning rise	-11178 Feb 22 j 07:46	2°✠54'57		min. Earth dist.	-11172 Feb 06 j 21:51	27°✠06'10	4.28876 AU
retrograde	-11178 Jun 29 j 07:14	21°✠58'29		direct	-11172 Apr 08 j 02:16	22°✠15'06	
opposition	-11178 Aug 27 j 06:03	16°✠56'36	-2°25'34		-11172 Jun 22 j 14:24	0°Π	
min. Earth dist.	-11178 Aug 26 j 22:01	16°✠59'21	4.15398 AU	evening set	-11172 Aug 10 j 15:03	10°Π18'38	
direct	-11178 Oct 25 j 16:23	11°✠53'32					
	-11177 Feb 27 j 03:17	0°✠		conjunction	-11172 Aug 22 j 23:48	13°Π08'01	1°40'51
evening set	-11177 Mar 03 j 06:40	0°✠55'47		minimum elong	-11172 Aug 22 j 23:50	13°Π08'02	1°41'25
				max. Earth dist.	-11172 Aug 22 j 10:14	13°Π00'15	6.25493 AU
conjunction	-11177 Mar 16 j 22:17	4°✠01'05	-1°25'23	morning rise	-11172 Sep 04 j 09:15	15°Π57'53	
minimum elong	-11177 Mar 16 j 22:22	4°✠01'08	1°26'01		-11172 Nov 14 j 06:56	0°☾	
max. Earth dist.	-11177 Mar 17 j 03:17	4°✠03'55	6.19088 AU	retrograde	-11171 Jan 09 j 01:12	4°☾25'34	
morning rise	-11177 Mar 30 j 11:54	7°✠05'17			-11171 Mar 07 j 15:34	30°℞Π	
retrograde	-11177 Aug 01 j 06:34	25°✠21'51		opposition	-11171 Mar 11 j 15:12	29°Π29'30	2°13'24
opposition	-11177 Sep 29 j 07:21	20°✠23'47	-1°37'39	min. Earth dist.	-11171 Mar 11 j 20:00	29°Π27'57	4.21857 AU
min. Earth dist.	-11177 Sep 29 j 09:55	20°✠22'56	4.22976 AU	direct	-11171 May 11 j 08:47	24°Π36'05	
direct	-11177 Nov 28 j 22:59	15°✠19'32			-11171 Jul 11 j 03:24	0°☾	
	-11176 Mar 18 j 14:59	0°≈		evening set	-11171 Sep 11 j 13:28	12°☾49'17	
evening set	-11176 Apr 06 j 03:01	4°≈02'52					
				conjunction	-11171 Sep 24 j 04:17	15°☾44'27	1°12'37
conjunction	-11176 Apr 19 j 13:34	7°≈03'13	-0°40'56	minimum elong	-11171 Sep 24 j 04:23	15°☾44'31	1°13'13
minimum elong	-11176 Apr 19 j 13:38	7°≈03'15	0°41'27	max. Earth dist.	-11171 Sep 24 j 05:59	15°☾45'26	6.17905 AU
max. Earth dist.	-11176 Apr 19 j 00:07	6°≈55'41	6.26550 AU	morning rise	-11171 Oct 06 j 21:38	18°☾41'04	
morning rise	-11176 May 02 j 21:08	10°≈01'55			-11171 Nov 29 j 04:48	0°Ω	
	-11176 May 25 j 16:34	15°≈		retrograde	-11170 Feb 13 j 07:19	7°Ω51'08	

Attention, astronomical year style is used: The year -11170 in astronomical counting style is the year 11171 BCE in historical counting style.

opposition	-11170 Apr 15 j 16:17	2°Ω51'21	1°11'09			-11164 Feb 29 j 08:40	0°≈	
min. Earth dist.	-11170 Apr 15 j 08:30	2°Ω53'53	4.14199 AU	evening set		-11164 Apr 10 j 21:57	8°≈45'29	
	-11170 May 09 j 03:25	30°κϢ						
direct	-11170 Jun 14 j 03:36	27°Ϣ58'26		conjunction		-11164 Apr 24 j 07:36	11°≈44'58	-0°33'20
	-11170 Jul 19 j 18:16	0°Ω		minimum elong		-11164 Apr 24 j 07:40	11°≈45'00	0°33'49
	-11170 Oct 08 j 14:36	15°Ω		max. Earth dist.		-11164 Apr 23 j 18:17	11°≈37'31	6.27708 AU
evening set	-11170 Oct 14 j 23:03	16°Ω28'11		morning rise		-11164 May 07 j 13:51	14°≈42'43	
						-11164 May 08 j 20:59	15°≈	
conjunction	-11170 Oct 28 j 00:05	19°Ω30'56	0°19'41			-11164 Jul 29 j 18:01	0°κ	
minimum elong	-11170 Oct 28 j 00:07	19°Ω30'57	0°20'07	retrograde		-11164 Sep 05 j 18:24	2°κ15'43	
max. Earth dist.	-11170 Oct 28 j 17:55	19°Ω41'22	6.10946 AU			-11164 Oct 14 j 00:30	30°κ≈	
morning rise	-11170 Nov 10 j 04:38	22°Ω35'38		opposition		-11164 Nov 04 j 08:46	27°≈21'35	-0°08'51
	-11170 Dec 13 j 07:20	0°κ		min. Earth dist.		-11164 Nov 04 j 22:05	27°≈17'13	4.30727 AU
desc. node	-11169 Mar 06 j 02:30	11°κ56'50		asc. node		-11164 Dec 16 j 01:26	22°≈55'44	
retrograde	-11169 Mar 21 j 10:46	12°κ19'11		direct		-11163 Jan 05 j 06:24	22°≈18'12	
min. Earth dist.	-11169 May 20 j 10:42	7°κ21'25	4.08482 AU			-11163 Mar 22 j 20:31	0°κ	
opposition	-11169 May 21 j 03:02	7°κ15'59	-0°17'38	evening set		-11163 May 13 j 20:39	10°κ37'11	
direct	-11169 Jul 18 j 16:16	2°κ21'34						
evening set	-11169 Nov 19 j 04:58	21°κ11'44		conjunction		-11163 May 26 j 21:28	13°κ30'59	0°23'00
				minimum elong		-11163 May 26 j 21:25	13°κ30'58	0°22'47
conjunction	-11169 Dec 02 j 15:32	24°κ20'22	-0°41'13	max. Earth dist.		-11163 May 25 j 19:48	13°κ16'41	6.32893 AU
minimum elong	-11169 Dec 02 j 15:27	24°κ20'20	0°41'07	morning rise		-11163 Jun 08 j 18:58	16°κ23'04	
max. Earth dist.	-11169 Dec 03 j 20:41	24°κ37'26	6.07005 AU			-11163 Aug 18 j 21:32	0°κ	
morning rise	-11169 Dec 16 j 05:23	27°κ30'45		retrograde		-11163 Oct 07 j 09:32	3°κ39'47	
	-11169 Dec 27 j 00:21	0°Ω				-11163 Nov 27 j 04:45	30°κκ	
retrograde	-11168 Apr 25 j 13:51	17°Ω25'53		opposition		-11163 Dec 06 j 16:40	28°κ47'40	1°11'09
opposition	-11168 Jun 24 j 10:37	12°Ω20'59	-1°41'28	min. Earth dist.		-11163 Dec 07 j 12:13	28°κ41'24	4.34118 AU
min. Earth dist.	-11168 Jun 23 j 14:40	12°Ω27'46	4.06790 AU	direct		-11162 Feb 07 j 04:19	23°κ46'31	
direct	-11168 Aug 21 j 13:51	7°Ω23'40				-11162 Apr 16 j 08:13	0°κ	
evening set	-11168 Dec 24 j 23:09	26°Ω30'55		evening set		-11162 Jun 14 j 13:35	11°κ51'24	
				max. Earth dist.		-11162 Jun 26 j 01:16	14°κ25'02	6.34148 AU
conjunction	-11167 Jan 07 j 14:52	29°Ω41'19	-1°27'34					
minimum elong	-11167 Jan 07 j 14:46	29°Ω41'15	1°27'50	conjunction		-11162 Jun 27 j 05:05	14°κ40'35	1°11'53
	-11167 Jan 08 j 22:58	0°κ		minimum elong		-11162 Jun 27 j 05:00	14°κ40'32	1°11'59
max. Earth dist.	-11167 Jan 08 j 19:31	29°Ω58'00	6.07588 AU	morning rise		-11162 Jul 09 j 17:49	17°κ28'29	
morning rise	-11167 Jan 21 j 08:37	2°κ52'38				-11162 Sep 11 j 04:40	0°κ	
	-11167 Mar 19 j 09:37	15°κ		retrograde		-11162 Nov 08 j 09:17	4°κ52'35	
retrograde	-11167 May 30 j 22:02	22°κ30'55		opposition		-11161 Jan 08 j 09:58	0°κ00'45	2°10'12
min. Earth dist.	-11167 Jul 28 j 11:31	17°κ32'12	4.09726 AU			-11161 Jan 08 j 12:20	30°κκ	
opposition	-11167 Jul 29 j 03:32	17°κ26'42	-2°28'05	min. Earth dist.		-11161 Jan 09 j 05:20	29°κ54'36	4.33267 AU
	-11167 Aug 16 j 20:00	15°κκ		direct		-11161 Mar 11 j 19:06	25°κ02'40	
direct	-11167 Sep 25 j 17:07	12°κ25'59				-11161 May 10 j 14:42	0°κ	
	-11167 Nov 04 j 20:05	15°κ		evening set		-11161 Jul 15 j 15:54	13°κ02'26	
	-11166 Jan 23 j 22:02	0°κ				-11161 Jul 24 j 08:44	15°κ	
evening set	-11166 Jan 31 j 02:08	1°κ37'46		max. Earth dist.		-11161 Jul 27 j 00:22	15°κ35'57	6.31124 AU
conjunction	-11166 Feb 13 j 19:13	4°κ46'24	-1°41'52	conjunction		-11161 Jul 28 j 00:53	15°κ49'49	1°40'00
minimum elong	-11166 Feb 13 j 19:14	4°κ46'24	1°42'24	minimum elong		-11161 Jul 28 j 00:51	15°κ49'48	1°40'25
max. Earth dist.	-11166 Feb 14 j 15:09	4°κ57'51	6.12541 AU	morning rise		-11161 Aug 09 j 09:03	18°κ36'51	
morning rise	-11166 Feb 27 j 11:58	7°κ54'47				-11161 Oct 03 j 23:54	0°κ	
retrograde	-11166 Jul 04 j 01:38	26°κ52'48		retrograde		-11161 Dec 11 j 10:25	6°κ28'54	
opposition	-11166 Aug 31 j 23:18	21°κ51'29	-2°21'25	opposition		-11160 Feb 10 j 21:44	1°κ35'27	2°31'52
min. Earth dist.	-11166 Aug 31 j 16:10	21°κ53'55	4.16248 AU	min. Earth dist.		-11160 Feb 11 j 11:58	1°κ30'56	4.28353 AU
direct	-11166 Oct 30 j 13:02	16°κ48'14				-11160 Feb 23 j 16:31	30°κκ	
	-11165 Feb 09 j 18:55	0°κ		direct		-11160 Apr 12 j 14:43	26°κ40'14	
evening set	-11165 Mar 08 j 07:38	5°κ48'50				-11160 May 30 j 07:02	0°κ	
				evening set		-11160 Aug 14 j 20:41	14°κ43'49	
conjunction	-11165 Mar 21 j 22:40	8°κ53'32	-1°20'27					
minimum elong	-11165 Mar 21 j 22:45	8°κ53'35	1°21'04	conjunction		-11160 Aug 27 j 05:56	17°κ33'42	1°38'49
max. Earth dist.	-11165 Mar 22 j 00:35	8°κ54'37	6.20110 AU	minimum elong		-11160 Aug 27 j 05:58	17°κ33'44	1°39'24
morning rise	-11165 Apr 04 j 11:46	11°κ57'04		max. Earth dist.		-11160 Aug 26 j 17:38	17°κ26'40	6.24672 AU
	-11165 Jul 28 j 06:11	0°≈		morning rise		-11160 Sep 08 j 16:01	20°κ24'12	
retrograde	-11165 Aug 05 j 20:43	0°≈07'28				-11160 Oct 23 j 13:28	0°κ	
	-11165 Aug 14 j 10:39	30°κκ		retrograde		-11159 Jan 13 j 16:01	8°κ57'13	
opposition	-11165 Oct 03 j 22:38	25°κ09'54	-1°27'58	opposition		-11159 Mar 16 j 06:56	4°κ00'42	2°07'23
min. Earth dist.	-11165 Oct 04 j 02:23	25°κ08'38	4.24088 AU	min. Earth dist.		-11159 Mar 16 j 10:11	3°κ59'40	4.20796 AU
direct	-11165 Dec 03 j 18:49	20°κ05'37				-11159 Apr 22 j 04:57	30°κκ	

Attention, astronomical year style is used: The year -11159 in astronomical counting style is the year 11160 BCE in historical counting style.

direct	-11159 May 15 j 19:49	29° $\Pi$ 07'27		conjunction	-11153 Mar 26 j 21:08	13° $\mathcal{Z}$ 41'08	-1°15'02
	-11159 Jun 08 j 09:06	0° $\mathfrak{D}$		minimum elong	-11153 Mar 26 j 21:14	13° $\mathcal{Z}$ 41'11	1°15'37
evening set	-11159 Sep 15 j 22:57	17° $\mathfrak{D}$ 22'52		max. Earth dist.	-11153 Mar 26 j 21:44	13° $\mathcal{Z}$ 41'28	6.21329 AU
				morning rise	-11153 Apr 09 j 09:20	16° $\mathcal{Z}$ 43'49	
conjunction	-11159 Sep 28 j 15:00	20° $\mathfrak{D}$ 19'06	1°06'40		-11153 Jun 14 j 23:55	0° $\approx$	
minimum elong	-11159 Sep 28 j 15:05	20° $\mathfrak{D}$ 19'09	1°07'16	retrograde	-11153 Aug 10 j 09:28	4° $\approx$ 47'33	
max. Earth dist.	-11159 Sep 28 j 17:57	20° $\mathfrak{D}$ 20'49	6.16707 AU		-11153 Oct 07 j 07:44	30° $\mathcal{R}$ $\mathcal{Z}$	
morning rise	-11159 Oct 11 j 09:46	23° $\mathfrak{D}$ 16'53		opposition	-11153 Oct 08 j 12:12	29° $\mathcal{Z}$ 50'30	-1°17'50
	-11159 Nov 10 j 12:30	0° $\Omega$		min. Earth dist.	-11153 Oct 08 j 17:33	29° $\mathcal{Z}$ 48'43	4.25281 AU
retrograde	-11158 Feb 18 j 04:47	12° $\Omega$ 33'14		direct	-11153 Dec 08 j 12:36	24° $\mathcal{Z}$ 46'16	
opposition	-11158 Apr 20 j 10:49	7° $\Omega$ 32'57	1°00'11		-11152 Feb 07 j 16:49	0° $\approx$	
min. Earth dist.	-11158 Apr 20 j 02:44	7° $\Omega$ 35'36	4.12937 AU	evening set	-11152 Apr 15 j 14:39	13° $\approx$ 22'25	
direct	-11158 Jun 18 j 19:11	2° $\Omega$ 39'53			-11152 Apr 22 j 22:03	15° $\approx$	
	-11158 Sep 22 j 02:23	15° $\Omega$					
evening set	-11158 Oct 19 j 15:06	21° $\Omega$ 13'40		conjunction	-11152 Apr 28 j 23:11	16° $\approx$ 21'04	-0°25'37
				minimum elong	-11152 Apr 28 j 23:14	16° $\approx$ 21'05	0°26'05
conjunction	-11158 Nov 01 j 17:41	24° $\Omega$ 17'38	0°11'28	max. Earth dist.	-11152 Apr 28 j 07:01	16° $\approx$ 12'02	6.28762 AU
minimum elong	-11158 Nov 01 j 17:42	24° $\Omega$ 17'39	0°11'52	morning rise	-11152 May 12 j 04:23	19° $\approx$ 17'56	
behind sun begin	-11158 Nov 01 j 12:01	24° $\Omega$ 14'19			-11152 Jul 03 j 10:52	0° $\mathcal{H}$	
behind sun end	-11158 Nov 01 j 23:24	24° $\Omega$ 20'58		retrograde	-11152 Sep 10 j 04:03	6° $\mathcal{H}$ 46'49	
max. Earth dist.	-11158 Nov 02 j 13:25	24° $\Omega$ 29'11	6.09764 AU	asc. node	-11152 Oct 26 j 16:38	3° $\mathcal{H}$ 34'00	
morning rise	-11158 Nov 14 j 23:50	27° $\Omega$ 23'34		opposition	-11152 Nov 08 j 20:47	1° $\mathcal{H}$ 53'02	0°02'47
	-11158 Nov 26 j 07:21	0° $\mathfrak{M}$		min. Earth dist.	-11152 Nov 09 j 11:14	1° $\mathcal{H}$ 48'19	4.31554 AU
desc. node	-11157 Jan 15 j 10:07	10° $\mathfrak{M}$ 20'45			-11152 Nov 23 j 16:08	30° $\mathcal{R}$ $\approx$	
retrograde	-11157 Mar 26 j 10:25	17° $\mathfrak{M}$ 12'02		direct	-11151 Jan 09 j 20:57	26° $\approx$ 49'51	
opposition	-11157 May 25 j 23:29	12° $\mathfrak{M}$ 08'32	-0°30'06		-11151 Feb 26 j 03:05	0° $\mathcal{H}$	
min. Earth dist.	-11157 May 25 j 06:07	12° $\mathfrak{M}$ 14'21	4.07511 AU	evening set	-11151 May 18 j 07:52	15° $\mathcal{H}$ 06'00	
direct	-11157 Jul 23 j 08:58	7° $\mathfrak{M}$ 13'51		max. Earth dist.	-11151 May 30 j 05:43	17° $\mathcal{H}$ 44'44	6.33427 AU
evening set	-11157 Nov 24 j 04:48	26° $\mathfrak{M}$ 08'38					
				conjunction	-11151 May 31 j 07:25	17° $\mathcal{H}$ 59'03	0°30'35
conjunction	-11157 Dec 07 j 16:20	29° $\mathfrak{M}$ 18'00	-0°48'54	minimum elong	-11151 May 31 j 07:22	17° $\mathcal{H}$ 59'01	0°30'25
minimum elong	-11157 Dec 07 j 16:15	29° $\mathfrak{M}$ 17'57	0°48'50	morning rise	-11151 Jun 13 j 03:31	20° $\mathcal{H}$ 50'22	
max. Earth dist.	-11157 Dec 08 j 21:23	29° $\mathfrak{M}$ 35'02	6.06326 AU		-11151 Jul 27 j 04:53	0° $\mathcal{Y}$	
	-11157 Dec 10 j 15:58	0° $\underline{\mathfrak{A}}$		retrograde	-11151 Oct 11 j 19:10	8° $\mathcal{Y}$ 06'31	
morning rise	-11157 Dec 21 j 07:14	2° $\underline{\mathfrak{A}}$ 29'05		opposition	-11151 Dec 11 j 05:02	3° $\mathcal{Y}$ 14'36	1°21'02
retrograde	-11156 Apr 30 j 12:52	22° $\underline{\mathfrak{A}}$ 25'33		min. Earth dist.	-11151 Dec 12 j 01:00	3° $\mathcal{Y}$ 08'12	4.34324 AU
min. Earth dist.	-11156 Jun 28 j 11:16	17° $\underline{\mathfrak{A}}$ 27'24	4.06491 AU		-11150 Jan 07 j 20:28	30° $\mathcal{R}$ $\mathcal{H}$	
opposition	-11156 Jun 29 j 07:21	17° $\underline{\mathfrak{A}}$ 20'33	-1°50'42	direct	-11150 Feb 11 j 17:13	28° $\mathcal{H}$ 13'54	
direct	-11156 Aug 26 j 10:50	12° $\underline{\mathfrak{A}}$ 22'45			-11150 Mar 18 j 15:29	0° $\mathcal{Y}$	
	-11156 Dec 23 j 09:53	0° $\mathfrak{M}$		evening set	-11150 Jun 18 j 21:48	16° $\mathcal{Y}$ 17'24	
evening set	-11156 Dec 30 j 03:37	1° $\mathfrak{M}$ 33'05		max. Earth dist.	-11150 Jun 30 j 06:39	18° $\mathcal{Y}$ 49'41	6.33983 AU
conjunction	-11155 Jan 12 j 19:59	4° $\mathfrak{M}$ 43'40	-1°31'40	conjunction	-11150 Jul 01 j 12:00	19° $\mathcal{Y}$ 06'07	1°17'17
minimum elong	-11155 Jan 12 j 19:54	4° $\mathfrak{M}$ 43'37	1°31'59	minimum elong	-11150 Jul 01 j 11:54	19° $\mathcal{Y}$ 06'04	1°17'26
max. Earth dist.	-11155 Jan 14 j 02:01	5° $\mathfrak{M}$ 01'08	6.07702 AU	morning rise	-11150 Jul 13 j 23:57	21° $\mathcal{Y}$ 53'42	
morning rise	-11155 Jan 26 j 13:47	7° $\mathfrak{M}$ 54'56			-11150 Aug 21 j 07:15	0° $\mathcal{B}$	
	-11155 Feb 27 j 07:32	15° $\mathfrak{M}$		retrograde	-11150 Nov 12 j 22:25	9° $\mathcal{B}$ 20'42	
retrograde	-11155 Jun 04 j 20:05	27° $\mathfrak{M}$ 29'49		opposition	-11149 Jan 13 j 00:23	4° $\mathcal{B}$ 28'45	2°15'44
opposition	-11155 Aug 02 j 22:53	22° $\mathfrak{M}$ 25'53	-2°30'22	min. Earth dist.	-11149 Jan 13 j 19:53	4° $\mathcal{B}$ 22'34	4.32760 AU
min. Earth dist.	-11155 Aug 02 j 07:32	22° $\mathfrak{M}$ 31'08	4.10248 AU		-11149 Feb 26 j 11:25	30° $\mathcal{R}$ $\mathcal{Y}$	
direct	-11155 Sep 30 j 14:39	17° $\mathfrak{M}$ 24'47		direct	-11149 Mar 16 j 08:25	29° $\mathcal{Y}$ 31'05	
	-11154 Jan 06 j 09:48	0° $\mathcal{X}$			-11149 Apr 03 j 05:50	0° $\mathcal{B}$	
evening set	-11154 Feb 05 j 06:05	6° $\mathcal{X}$ 36'20			-11149 Jul 08 j 15:36	15° $\mathcal{B}$	
				evening set	-11149 Jul 19 j 23:28	17° $\mathcal{B}$ 31'12	
conjunction	-11154 Feb 18 j 22:59	9° $\mathcal{X}$ 44'32	-1°40'52	max. Earth dist.	-11149 Jul 31 j 09:55	20° $\mathcal{B}$ 06'06	6.30310 AU
minimum elong	-11154 Feb 18 j 23:00	9° $\mathcal{X}$ 44'33	1°41'25				
max. Earth dist.	-11154 Feb 19 j 16:21	9° $\mathcal{X}$ 54'29	6.13399 AU	conjunction	-11149 Aug 01 j 08:15	20° $\mathcal{B}$ 18'45	1°41'42
morning rise	-11154 Mar 04 j 15:35	12° $\mathcal{X}$ 52'25		minimum elong	-11149 Aug 01 j 08:13	20° $\mathcal{B}$ 18'44	1°42'08
	-11154 Jun 06 j 00:02	0° $\mathcal{Z}$		morning rise	-11149 Aug 13 j 16:07	23° $\mathcal{B}$ 06'00	
retrograde	-11154 Jul 08 j 17:27	1° $\mathcal{Z}$ 43'54			-11149 Sep 14 j 12:05	0° $\Pi$	
	-11154 Aug 10 j 05:31	30° $\mathcal{R}$ $\mathcal{X}$		retrograde	-11149 Dec 16 j 02:14	11° $\Pi$ 03'33	
opposition	-11154 Sep 05 j 15:47	26° $\mathcal{X}$ 42'59	-2°16'18	opposition	-11148 Feb 15 j 15:19	6° $\Pi$ 09'49	2°31'17
min. Earth dist.	-11154 Sep 05 j 09:24	26° $\mathcal{X}$ 45'09	4.17332 AU	min. Earth dist.	-11148 Feb 16 j 04:05	6° $\Pi$ 05'46	4.27299 AU
direct	-11154 Nov 04 j 09:37	21° $\mathcal{X}$ 39'25		direct	-11148 Apr 17 j 04:30	1° $\Pi$ 15'01	
	-11153 Jan 21 j 13:34	0° $\mathcal{Z}$		evening set	-11148 Aug 19 j 06:36	19° $\Pi$ 20'20	
evening set	-11153 Mar 13 j 06:35	10° $\mathcal{Z}$ 37'08					
				conjunction	-11148 Aug 31 j 16:19	22° $\Pi$ 10'58	1°36'06

Attention, astronomical year style is used: The year -11148 in astronomical counting style is the year 11149 BCE in historical counting style.

minimum elong	-11148 Aug 31 j 16:22	22° $\Pi$ 11'00	1°36'43	morning rise	-11142 Mar 09 j 14:31	17° $\text{X}$ 39'53	
max. Earth dist.	-11148 Aug 31 j 05:06	22° $\Pi$ 04'31	6.23466 AU		-11142 May 08 j 06:09	0° $\text{Z}$	
morning rise	-11148 Sep 13 j 03:23	25° $\Pi$ 02'23		retrograde	-11142 Jul 13 j 05:50	6° $\text{Z}$ 23'23	
	-11148 Oct 05 j 08:35	0° $\text{E}$		opposition	-11142 Sep 10 j 03:40	1° $\text{Z}$ 22'57	-2°10'29
retrograde	-11147 Jan 18 j 14:28	13° $\text{E}$ 42'14		min. Earth dist.	-11142 Sep 09 j 23:56	1° $\text{Z}$ 24'13	4.18712 AU
opposition	-11147 Mar 21 j 04:12	8° $\text{E}$ 45'15	2°00'17		-11142 Sep 20 j 11:26	30° $\text{R}$ $\text{X}$	
min. Earth dist.	-11147 Mar 21 j 06:03	8° $\text{E}$ 44'39	4.19515 AU	direct	-11142 Nov 09 j 02:29	26° $\text{X}$ 19'08	
direct	-11147 May 20 j 13:29	3° $\text{E}$ 52'09			-11142 Dec 28 j 21:15	0° $\text{Z}$	
evening set	-11147 Sep 20 j 13:39	22° $\text{E}$ 10'21		evening set	-11141 Mar 18 j 00:08	15° $\text{Z}$ 13'11	
conjunction	-11147 Oct 03 j 07:10	25° $\text{E}$ 07'44	1°00'00	conjunction	-11141 Mar 31 j 14:05	18° $\text{Z}$ 16'25	-1°09'22
minimum elong	-11147 Oct 03 j 07:16	25° $\text{E}$ 07'47	1°00'34	minimum elong	-11141 Mar 31 j 14:11	18° $\text{Z}$ 16'28	1°09'57
max. Earth dist.	-11147 Oct 03 j 13:32	25° $\text{E}$ 11'27	6.15508 AU	max. Earth dist.	-11141 Mar 31 j 11:24	18° $\text{Z}$ 14'54	6.22574 AU
morning rise	-11147 Oct 16 j 03:27	28° $\text{E}$ 06'45		morning rise	-11141 Apr 14 j 01:32	21° $\text{Z}$ 18'17	
	-11147 Oct 24 j 08:43	0° $\Omega$			-11141 May 24 j 23:30	0° $\approx$	
	-11146 Jan 13 j 10:01	15° $\Omega$		retrograde	-11141 Aug 14 j 16:06	9° $\approx$ 15'56	
retrograde	-11146 Feb 23 j 06:42	17° $\Omega$ 28'57		opposition	-11141 Oct 12 j 21:17	4° $\approx$ 19'21	-1°07'42
	-11146 Apr 05 j 03:57	15° $\text{R}$ $\Omega$		min. Earth dist.	-11141 Oct 13 j 04:03	4° $\approx$ 17'06	4.26283 AU
opposition	-11146 Apr 25 j 10:25	12° $\Omega$ 28'14	0°48'15		-11141 Nov 21 j 04:44	30° $\text{R}$ $\text{Z}$	
min. Earth dist.	-11146 Apr 25 j 00:20	12° $\Omega$ 31'33	4.11952 AU	direct	-11141 Dec 13 j 00:37	29° $\text{Z}$ 15'04	
direct	-11146 Jun 23 j 14:19	7° $\Omega$ 35'10			-11140 Jan 04 j 04:05	0° $\approx$	
	-11146 Sep 02 j 13:10	15° $\Omega$			-11140 Apr 07 j 07:05	15° $\approx$	
evening set	-11146 Oct 24 j 12:32	26° $\Omega$ 11'53		evening set	-11140 Apr 20 j 02:30	17° $\approx$ 48'28	
conjunction	-11146 Nov 06 j 16:24	29° $\Omega$ 16'44	0°02'50	conjunction	-11140 May 03 j 09:58	20° $\approx$ 46'23	-0°18'04
minimum elong	-11146 Nov 06 j 16:25	29° $\Omega$ 16'44	0°03'12	minimum elong	-11140 May 03 j 10:00	20° $\approx$ 46'24	0°18'30
behind sun begin	-11146 Nov 06 j 08:15	29° $\Omega$ 11'58		max. Earth dist.	-11140 May 02 j 15:22	20° $\approx$ 36'00	6.29453 AU
behind sun end	-11146 Nov 07 j 00:35	29° $\Omega$ 21'30		morning rise	-11140 May 16 j 14:03	23° $\approx$ 42'33	
max. Earth dist.	-11146 Nov 07 j 13:40	29° $\Omega$ 29'12	6.09104 AU		-11140 Jun 14 j 20:48	0° $\text{X}$	
	-11146 Nov 09 j 18:12	0° $\text{P}$		asc. node	-11140 Sep 07 j 18:04	11° $\text{X}$ 04'37	
morning rise	-11146 Nov 20 j 00:05	2° $\text{P}$ 23'37		retrograde	-11140 Sep 14 j 11:33	11° $\text{X}$ 09'02	
desc. node	-11146 Nov 24 j 18:53	3° $\text{P}$ 30'09		opposition	-11140 Nov 13 j 05:37	6° $\text{X}$ 15'37	0°13'59
retrograde	-11145 Mar 31 j 11:41	22° $\text{P}$ 14'27		min. Earth dist.	-11140 Nov 13 j 22:08	6° $\text{X}$ 10'15	4.31880 AU
opposition	-11145 May 30 j 23:00	17° $\text{P}$ 10'33	-0°42'45	direct	-11139 Jan 14 j 08:42	1° $\text{X}$ 12'42	
min. Earth dist.	-11145 May 30 j 04:10	17° $\text{P}$ 16'52	4.07267 AU	evening set	-11139 May 22 j 16:15	19° $\text{X}$ 27'50	
direct	-11145 Jul 28 j 06:44	12° $\text{P}$ 15'30		max. Earth dist.	-11139 Jun 03 j 10:47	22° $\text{X}$ 04'53	6.33346 AU
	-11145 Nov 24 j 03:02	0° $\underline{\text{A}}$					
evening set	-11145 Nov 29 j 07:11	1° $\underline{\text{A}}$ 12'01		conjunction	-11139 Jun 04 j 14:34	22° $\text{X}$ 20'22	0°37'46
conjunction	-11145 Dec 12 j 19:45	4° $\underline{\text{A}}$ 21'40	-0°56'22	minimum elong	-11139 Jun 04 j 14:30	22° $\text{X}$ 20'20	0°37'37
minimum elong	-11145 Dec 12 j 19:40	4° $\underline{\text{A}}$ 21'37	0°56'21	morning rise	-11139 Jun 17 j 09:35	25° $\text{X}$ 11'15	
max. Earth dist.	-11145 Dec 14 j 03:36	4° $\underline{\text{A}}$ 40'19	6.06527 AU		-11139 Jul 09 j 14:24	0° $\text{Y}$	
morning rise	-11145 Dec 26 j 11:11	7° $\underline{\text{A}}$ 32'52		retrograde	-11139 Oct 16 j 03:49	12° $\text{Y}$ 29'01	
retrograde	-11144 May 05 j 12:43	27° $\underline{\text{A}}$ 26'37		opposition	-11139 Dec 15 j 15:51	7° $\text{Y}$ 37'10	1°30'16
min. Earth dist.	-11144 Jul 03 j 08:38	22° $\underline{\text{A}}$ 28'19	4.07141 AU	min. Earth dist.	-11139 Dec 16 j 12:07	7° $\text{Y}$ 30'41	4.33878 AU
opposition	-11144 Jul 04 j 04:19	22° $\underline{\text{A}}$ 21'36	-1°59'04	direct	-11138 Feb 16 j 03:27	2° $\text{Y}$ 36'49	
direct	-11144 Aug 31 j 09:07	17° $\underline{\text{A}}$ 23'21		evening set	-11138 Jun 23 j 05:04	20° $\text{Y}$ 41'11	
	-11144 Dec 06 j 01:52	0° $\text{M}$		conjunction	-11138 Jul 05 j 18:25	23° $\text{Y}$ 29'46	1°22'07
evening set	-11143 Jan 04 j 07:08	6° $\text{M}$ 33'00		minimum elong	-11138 Jul 05 j 18:20	23° $\text{Y}$ 29'43	1°22'20
conjunction	-11143 Jan 17 j 23:30	9° $\text{M}$ 43'06	-1°35'05	max. Earth dist.	-11138 Jul 04 j 14:35	23° $\text{Y}$ 14'09	6.33200 AU
minimum elong	-11143 Jan 17 j 23:25	9° $\text{M}$ 43'04	1°35'26	morning rise	-11138 Jul 18 j 05:27	26° $\text{Y}$ 17'18	
max. Earth dist.	-11143 Jan 19 j 03:30	9° $\text{M}$ 59'21	6.08699 AU		-11138 Aug 04 j 03:02	0° $\text{B}$	
morning rise	-11143 Jan 31 j 17:22	12° $\text{M}$ 53'51		retrograde	-11138 Nov 17 j 11:51	13° $\text{B}$ 49'11	
	-11143 Feb 09 j 22:05	15° $\text{M}$		opposition	-11137 Jan 17 j 15:17	8° $\text{B}$ 57'08	2°20'26
	-11143 May 01 j 21:03	0° $\text{X}$		min. Earth dist.	-11137 Jan 18 j 10:17	8° $\text{B}$ 51'07	4.31714 AU
retrograde	-11143 Jun 09 j 12:08	2° $\text{X}$ 21'56		direct	-11137 Mar 20 j 21:23	3° $\text{B}$ 59'57	
	-11143 Jul 17 j 20:09	30° $\text{R}$ $\text{M}$		evening set	-11137 Jun 21 j 19:49	15° $\text{B}$	
opposition	-11143 Aug 07 j 15:09	27° $\text{M}$ 18'15	-2°31'29		-11137 Jul 24 j 08:00	22° $\text{B}$ 01'58	
min. Earth dist.	-11143 Aug 07 j 00:20	27° $\text{M}$ 23'20	4.11501 AU	conjunction	-11137 Aug 05 j 16:26	24° $\text{B}$ 49'52	1°42'44
direct	-11143 Oct 05 j 10:17	22° $\text{M}$ 16'39		minimum elong	-11137 Aug 05 j 16:25	24° $\text{B}$ 49'52	1°43'12
	-11143 Dec 18 j 01:01	0° $\text{X}$		max. Earth dist.	-11137 Aug 04 j 18:30	24° $\text{B}$ 37'25	6.29070 AU
evening set	-11142 Feb 10 j 05:49	11° $\text{X}$ 25'23		morning rise	-11137 Aug 18 j 00:33	27° $\text{B}$ 37'41	
conjunction	-11142 Feb 23 j 22:33	14° $\text{X}$ 32'53	-1°39'12		-11137 Aug 28 j 14:52	0° $\text{I}$	
minimum elong	-11142 Feb 23 j 22:35	14° $\text{X}$ 32'55	1°39'47	retrograde	-11137 Dec 20 j 21:22	15° $\text{I}$ 42'03	
max. Earth dist.	-11142 Feb 24 j 13:49	14° $\text{X}$ 41'38	6.14795 AU	opposition	-11136 Feb 20 j 10:47	10° $\text{I}$ 47'54	2°29'41
				min. Earth dist.	-11136 Feb 20 j 21:38	10° $\text{I}$ 44'27	4.25960 AU

Attention, astronomical year style is used: The year -11136 in astronomical counting style is the year 11137 BCE in historical counting style.

direct	-11136 Apr 21 j 20:02	5° $\Pi$ 53'25			-11131 Nov 21 j 23:35	0° $\text{X}$	
evening set	-11136 Aug 23 j 18:24	24° $\Pi$ 01'08		evening set	-11130 Feb 15 j 06:08	16° $\text{X}$ 16'02	
conjunction	-11136 Sep 05 j 05:04	26° $\Pi$ 52'40	1°32'41	conjunction	-11130 Feb 28 j 22:42	19° $\text{X}$ 23'01	-1°36'54
minimum elong	-11136 Sep 05 j 05:08	26° $\Pi$ 52'42	1°33'18	minimum elong	-11130 Feb 28 j 22:46	19° $\text{X}$ 23'03	1°37'30
max. Earth dist.	-11136 Sep 04 j 21:59	26° $\Pi$ 48'35	6.22157 AU	max. Earth dist.	-11130 Mar 01 j 11:34	19° $\text{X}$ 30'21	6.15907 AU
morning rise	-11136 Sep 17 j 17:02	29° $\Pi$ 45'04		morning rise	-11130 Mar 14 j 14:14	22° $\text{X}$ 29'21	
	-11136 Sep 18 j 19:09	0° $\text{E}$			-11130 Apr 18 j 01:28	0° $\text{E}$	
retrograde	-11135 Jan 23 j 14:26	18° $\text{E}$ 31'31		retrograde	-11130 Jul 17 j 17:36	11° $\text{E}$ 06'06	
opposition	-11135 Mar 26 j 03:07	13° $\text{E}$ 34'03	1°52'11	opposition	-11130 Sep 14 j 16:53	6° $\text{E}$ 06'13	-2°03'51
min. Earth dist.	-11135 Mar 26 j 02:57	13° $\text{E}$ 34'06	4.18331 AU	min. Earth dist.	-11130 Sep 14 j 14:03	6° $\text{E}$ 07'11	4.19808 AU
direct	-11135 May 25 j 08:02	8° $\text{E}$ 41'07		direct	-11130 Nov 13 j 18:33	1° $\text{E}$ 02'16	
evening set	-11135 Sep 25 j 06:36	27° $\text{E}$ 01'34		evening set	-11129 Mar 22 j 19:19	19° $\text{E}$ 53'43	
conjunction	-11135 Oct 08 j 01:22	29° $\text{E}$ 59'59	0°52'48	conjunction	-11129 Apr 05 j 08:32	22° $\text{E}$ 56'18	-1°03'11
minimum elong	-11135 Oct 08 j 01:27	0° $\Omega$ 00'02	0°53'22	minimum elong	-11129 Apr 05 j 08:38	22° $\text{E}$ 56'21	1°03'47
max. Earth dist.	-11135 Oct 08 j 09:31	0° $\Omega$ 04'43	6.14544 AU	max. Earth dist.	-11129 Apr 05 j 02:25	22° $\text{E}$ 52'51	6.23589 AU
	-11135 Oct 08 j 01:25	0° $\Omega$		morning rise	-11129 Apr 18 j 19:13	25° $\text{E}$ 57'26	
morning rise	-11135 Oct 20 j 23:22	3° $\Omega$ 00'09			-11129 May 07 j 04:26	0° $\approx$	
	-11135 Dec 16 j 14:43	15° $\Omega$		retrograde	-11129 Aug 19 j 03:11	13° $\approx$ 50'00	
retrograde	-11134 Feb 28 j 08:01	22° $\Omega$ 26'53		opposition	-11129 Oct 17 j 08:48	8° $\approx$ 53'57	-0°56'59
opposition	-11134 Apr 30 j 10:40	17° $\Omega$ 25'35	0°35'50	min. Earth dist.	-11129 Oct 17 j 18:06	8° $\approx$ 50'52	4.27119 AU
min. Earth dist.	-11134 Apr 29 j 22:20	17° $\Omega$ 29'39	4.11260 AU	direct	-11129 Dec 17 j 16:58	3° $\approx$ 49'47	
	-11134 May 19 j 18:49	15° $\text{R}$ $\Omega$			-11128 Mar 21 j 03:23	15° $\approx$	
direct	-11134 Jun 28 j 11:00	12° $\Omega$ 32'19		evening set	-11128 Apr 24 j 16:32	22° $\approx$ 20'50	
	-11134 Aug 06 j 14:23	15° $\Omega$					
desc. node	-11134 Oct 03 j 22:37	25° $\Omega$ 23'25		conjunction	-11128 May 07 j 23:02	25° $\approx$ 18'07	-0°10'15
	-11134 Oct 24 j 08:27	0° $\text{P}$		minimum elong	-11128 May 07 j 23:03	25° $\approx$ 18'08	0°10'38
evening set	-11134 Oct 29 j 10:46	1° $\text{P}$ 10'59		behind sun begin	-11128 May 07 j 16:46	25° $\approx$ 14'39	
				behind sun end	-11128 May 08 j 05:19	25° $\approx$ 21'37	
conjunction	-11134 Nov 11 j 16:10	4° $\text{P}$ 16'38	-0°06'01	max. Earth dist.	-11128 May 07 j 02:58	25° $\approx$ 06'56	6.30056 AU
minimum elong	-11134 Nov 11 j 16:09	4° $\text{P}$ 16'38	0°05'42	morning rise	-11128 May 21 j 01:55	28° $\approx$ 13'34	
behind sun begin	-11134 Nov 11 j 08:16	4° $\text{P}$ 12'02			-11128 May 29 j 02:59	0° $\text{H}$	
behind sun end	-11134 Nov 12 j 00:03	4° $\text{P}$ 21'14		asc. node	-11128 Jul 18 j 23:14	10° $\text{H}$ 02'13	
max. Earth dist.	-11134 Nov 12 j 16:59	4° $\text{P}$ 31'10	6.08737 AU	retrograde	-11128 Sep 18 j 19:39	15° $\text{H}$ 38'01	
morning rise	-11134 Nov 25 j 01:02	7° $\text{P}$ 24'14		opposition	-11128 Nov 17 j 17:01	10° $\text{H}$ 44'55	0°25'23
retrograde	-11133 Apr 05 j 14:02	27° $\text{P}$ 16'04		min. Earth dist.	-11128 Nov 18 j 09:41	10° $\text{H}$ 39'31	4.32226 AU
opposition	-11133 Jun 04 j 22:16	22° $\text{P}$ 11'54	-0°55'07	direct	-11127 Jan 18 j 21:08	5° $\text{H}$ 42'19	
min. Earth dist.	-11133 Jun 04 j 03:26	22° $\text{P}$ 18'14	4.07253 AU	evening set	-11127 May 27 j 02:39	23° $\text{H}$ 56'09	
direct	-11133 Aug 02 j 05:16	17° $\text{P}$ 16'31					
	-11133 Nov 06 j 20:22	0° $\underline{\Omega}$		conjunction	-11127 Jun 08 j 23:36	26° $\text{H}$ 48'05	0°44'56
evening set	-11133 Dec 04 j 10:00	6° $\underline{\Omega}$ 14'20		minimum elong	-11127 Jun 08 j 23:32	26° $\text{H}$ 48'03	0°44'51
				max. Earth dist.	-11127 Jun 07 j 19:25	26° $\text{H}$ 32'21	6.33414 AU
conjunction	-11133 Dec 17 j 23:09	9° $\underline{\Omega}$ 24'07	-1°03'26	morning rise	-11127 Jun 21 j 17:26	29° $\text{H}$ 38'26	
minimum elong	-11133 Dec 17 j 23:03	9° $\underline{\Omega}$ 24'04	1°03'29		-11127 Jun 23 j 08:22	0° $\text{Y}$	
max. Earth dist.	-11133 Dec 19 j 05:57	9° $\underline{\Omega}$ 42'07	6.06829 AU	retrograde	-11127 Oct 20 j 15:37	16° $\text{Y}$ 57'27	
morning rise	-11133 Dec 31 j 15:19	12° $\underline{\Omega}$ 35'24		opposition	-11127 Dec 20 j 05:17	12° $\text{Y}$ 05'44	1°39'13
	-11132 Mar 31 j 21:33	0° $\text{M}$		min. Earth dist.	-11127 Dec 21 j 02:14	11° $\text{Y}$ 59'03	4.33682 AU
retrograde	-11132 May 10 j 09:47	2° $\text{M}$ 26'08		direct	-11126 Feb 20 j 17:57	7° $\text{Y}$ 05'51	
	-11132 Jun 18 j 14:23	30° $\text{R}$ $\underline{\Omega}$		evening set	-11126 Jun 27 j 13:41	25° $\text{Y}$ 09'51	
min. Earth dist.	-11132 Jul 08 j 04:23	27° $\underline{\Omega}$ 28'00	4.07754 AU	max. Earth dist.	-11126 Jul 08 j 22:10	27° $\text{Y}$ 42'31	6.32748 AU
opposition	-11132 Jul 09 j 00:19	27° $\underline{\Omega}$ 21'12	-2°06'38				
direct	-11132 Sep 05 j 06:03	22° $\underline{\Omega}$ 22'28		conjunction	-11126 Jul 10 j 02:01	27° $\text{Y}$ 58'10	1°26'38
	-11132 Nov 16 j 09:36	0° $\text{M}$		minimum elong	-11126 Jul 10 j 01:56	27° $\text{Y}$ 58'07	1°26'53
evening set	-11131 Jan 09 j 10:42	11° $\text{M}$ 32'07			-11126 Jul 19 j 02:58	0° $\text{E}$	
				morning rise	-11126 Jul 22 j 12:23	0° $\text{E}$ 45'33	
conjunction	-11131 Jan 23 j 03:21	14° $\text{M}$ 41'55	-1°37'51		-11126 Oct 05 j 07:28	15° $\text{E}$	
minimum elong	-11131 Jan 23 j 03:17	14° $\text{M}$ 41'53	1°38'14	retrograde	-11126 Nov 22 j 01:32	18° $\text{E}$ 21'15	
max. Earth dist.	-11131 Jan 24 j 06:18	14° $\text{M}$ 57'31	6.09563 AU		-11125 Jan 10 j 02:51	15° $\text{R}$ $\text{E}$	
	-11131 Jan 24 j 10:34	15° $\text{M}$		opposition	-11125 Jan 22 j 07:24	13° $\text{E}$ 28'59	2°24'24
morning rise	-11131 Feb 05 j 21:00	17° $\text{M}$ 52'10		min. Earth dist.	-11125 Jan 23 j 00:40	13° $\text{E}$ 23'31	4.31078 AU
	-11131 Apr 04 j 08:55	0° $\text{X}$		direct	-11125 Mar 25 j 10:38	8° $\text{E}$ 32'12	
retrograde	-11131 Jun 14 j 07:02	7° $\text{X}$ 14'17			-11125 Jun 02 j 04:00	15° $\text{E}$	
opposition	-11131 Aug 12 j 07:43	2° $\text{X}$ 11'01	-2°31'39	evening set	-11125 Jul 28 j 16:48	26° $\text{E}$ 34'33	
min. Earth dist.	-11131 Aug 11 j 19:14	2° $\text{X}$ 15'18	4.12532 AU	max. Earth dist.	-11125 Aug 09 j 06:30	29° $\text{E}$ 12'03	6.28312 AU
	-11131 Aug 28 j 20:18	30° $\text{R}$ $\text{M}$					
direct	-11131 Oct 10 j 06:50	27° $\text{M}$ 09'05		conjunction	-11125 Aug 10 j 01:11	29° $\text{E}$ 22'40	1°43'14



Attention, astronomical year style is used: The year -11125 in astronomical counting style is the year 11126 BCE in historical counting style.

minimum elong	-11125 Aug 10 j 01:10	29° $\text{♁}$ 22'40	1°43'44		-11119 Mar 15 j 17:06	0° $\text{♁}$	
	-11125 Aug 12 j 18:46	0° $\text{♁}$		retrograde	-11119 Jun 18 j 21:55	12° $\text{♁}$ 01'41	
morning rise	-11125 Aug 22 j 09:14	2° $\text{♁}$ 10'48		opposition	-11119 Aug 16 j 22:23	6° $\text{♁}$ 58'50	-2°30'49
retrograde	-11125 Dec 25 j 16:05	20° $\text{♁}$ 20'09		min. Earth dist.	-11119 Aug 16 j 10:30	7° $\text{♁}$ 02'54	4.13202 AU
opposition	-11124 Feb 25 j 05:46	15° $\text{♁}$ 25'37	2°27'11	direct	-11119 Oct 14 j 23:21	1° $\text{♁}$ 56'33	
min. Earth dist.	-11124 Feb 25 j 15:26	15° $\text{♁}$ 22'33	4.25135 AU	evening set	-11118 Feb 20 j 05:16	21° $\text{♁}$ 03'02	
direct	-11124 Apr 26 j 12:06	10° $\text{♁}$ 31'27					
evening set	-11124 Aug 28 j 05:15	28° $\text{♁}$ 39'44		conjunction	-11118 Mar 05 j 21:32	24° $\text{♁}$ 09'37	-1°33'58
	-11124 Sep 03 j 01:02	0° $\text{♁}$		minimum elong	-11118 Mar 05 j 21:36	24° $\text{♁}$ 09'39	1°34'34
				max. Earth dist.	-11118 Mar 06 j 06:48	24° $\text{♁}$ 14'54	6.16656 AU
conjunction	-11124 Sep 09 j 16:33	1° $\text{♁}$ 31'56	1°28'46	morning rise	-11118 Mar 19 j 12:42	27° $\text{♁}$ 15'28	
minimum elong	-11124 Sep 09 j 16:37	1° $\text{♁}$ 31'58	1°29'22		-11118 Mar 31 j 18:31	0° $\text{♁}$	
max. Earth dist.	-11124 Sep 09 j 10:35	1° $\text{♁}$ 28'30	6.21332 AU	retrograde	-11118 Jul 22 j 07:14	15° $\text{♁}$ 46'52	
morning rise	-11124 Sep 22 j 05:43	4° $\text{♁}$ 25'11		opposition	-11118 Sep 19 j 05:50	10° $\text{♁}$ 47'32	-1°56'28
retrograde	-11123 Jan 28 j 11:04	23° $\text{♁}$ 16'32		min. Earth dist.	-11118 Sep 19 j 05:32	10° $\text{♁}$ 47'39	4.20557 AU
opposition	-11123 Mar 30 j 23:52	18° $\text{♁}$ 18'26	1°43'29	direct	-11118 Nov 18 j 12:22	5° $\text{♁}$ 43'27	
min. Earth dist.	-11123 Mar 30 j 21:06	18° $\text{♁}$ 19'20	4.17552 AU	evening set	-11117 Mar 27 j 14:09	24° $\text{♁}$ 33'21	
direct	-11123 May 30 j 00:24	13° $\text{♁}$ 25'31					
	-11123 Sep 22 j 03:16	0° $\text{♁}$		conjunction	-11117 Apr 10 j 02:53	27° $\text{♁}$ 35'26	-0°56'36
evening set	-11123 Sep 29 j 21:09	1° $\text{♁}$ 47'01		minimum elong	-11117 Apr 10 j 02:59	27° $\text{♁}$ 35'29	0°57'11
				max. Earth dist.	-11117 Apr 09 j 19:55	27° $\text{♁}$ 31'31	6.24307 AU
conjunction	-11123 Oct 12 j 17:25	4° $\text{♁}$ 46'20	0°45'26		-11117 Apr 20 j 20:18	0° $\text{♁}$	
minimum elong	-11123 Oct 12 j 17:29	4° $\text{♁}$ 46'23	0°45'58	morning rise	-11117 Apr 23 j 12:37	0° $\text{♁}$ 35'57	
max. Earth dist.	-11123 Oct 13 j 05:18	4° $\text{♁}$ 53'16	6.13892 AU		-11117 Jul 07 j 13:33	15° $\text{♁}$	
morning rise	-11123 Oct 25 j 16:43	7° $\text{♁}$ 47'25		retrograde	-11117 Aug 23 j 12:48	18° $\text{♁}$ 24'27	
	-11123 Nov 27 j 00:09	15° $\text{♁}$			-11117 Oct 10 j 04:52	15° $\text{♁}$	
retrograde	-11122 Mar 05 j 07:30	27° $\text{♁}$ 17'29		opposition	-11117 Oct 21 j 20:56	13° $\text{♁}$ 28'54	-0°45'52
opposition	-11122 May 05 j 07:41	22° $\text{♁}$ 15'42	0°23'28	min. Earth dist.	-11117 Oct 22 j 06:24	13° $\text{♁}$ 25'46	4.27751 AU
min. Earth dist.	-11122 May 04 j 18:57	22° $\text{♁}$ 19'54	4.10777 AU	direct	-11117 Dec 22 j 07:16	8° $\text{♁}$ 24'54	
direct	-11122 Jul 03 j 05:49	17° $\text{♁}$ 22'13			-11116 Mar 01 j 04:06	15° $\text{♁}$	
desc. node	-11122 Aug 14 j 22:52	20° $\text{♁}$ 17'14		evening set	-11116 Apr 29 j 07:01	26° $\text{♁}$ 54'04	
	-11122 Oct 07 j 15:01	0° $\text{♁}$					
evening set	-11122 Nov 03 j 06:33	6° $\text{♁}$ 02'29		conjunction	-11116 May 12 j 12:11	29° $\text{♁}$ 50'38	-0°02'19
				minimum elong	-11116 May 12 j 12:11	29° $\text{♁}$ 50'38	0°02'40
conjunction	-11122 Nov 16 j 13:01	9° $\text{♁}$ 08'45	-0°14'26	behind sun begin	-11116 May 12 j 04:04	29° $\text{♁}$ 46'08	
minimum elong	-11122 Nov 16 j 12:59	9° $\text{♁}$ 08'44	0°14'11	behind sun end	-11116 May 12 j 20:17	29° $\text{♁}$ 55'08	
behind sun begin	-11122 Nov 16 j 09:03	9° $\text{♁}$ 06'26		max. Earth dist.	-11116 May 11 j 14:07	29° $\text{♁}$ 38'19	6.30567 AU
behind sun end	-11122 Nov 16 j 16:56	9° $\text{♁}$ 11'02			-11116 May 13 j 04:59	0° $\text{♁}$	
max. Earth dist.	-11122 Nov 17 j 13:36	9° $\text{♁}$ 23'09	6.08452 AU	morning rise	-11116 May 25 j 13:59	2° $\text{♁}$ 45'25	
morning rise	-11122 Nov 29 j 23:16	12° $\text{♁}$ 17'00		asc. node	-11116 May 28 j 09:45	3° $\text{♁}$ 22'55	
	-11121 Mar 04 j 00:14	0° $\text{♁}$		retrograde	-11116 Sep 23 j 07:10	20° $\text{♁}$ 08'12	
retrograde	-11121 Apr 10 j 10:44	2° $\text{♁}$ 09'26		opposition	-11116 Nov 22 j 05:44	15° $\text{♁}$ 15'24	0°36'45
	-11121 May 17 j 15:15	30° $\text{♁}$		min. Earth dist.	-11116 Nov 22 j 23:49	15° $\text{♁}$ 09'33	4.32580 AU
opposition	-11121 Jun 09 j 17:39	27° $\text{♁}$ 05'00	-1°06'45	direct	-11115 Jan 23 j 13:04	10° $\text{♁}$ 13'08	
min. Earth dist.	-11121 Jun 08 j 21:45	27° $\text{♁}$ 11'43	4.07203 AU	evening set	-11115 May 31 j 13:22	28° $\text{♁}$ 25'15	
direct	-11121 Aug 06 j 23:07	22° $\text{♁}$ 09'09			-11115 Jun 07 j 15:52	0° $\text{♁}$	
	-11121 Oct 18 j 20:13	0° $\text{♁}$		max. Earth dist.	-11115 Jun 12 j 05:31	1° $\text{♁}$ 01'10	6.33570 AU
evening set	-11121 Dec 09 j 09:50	11° $\text{♁}$ 08'44					
				conjunction	-11115 Jun 13 j 09:07	1° $\text{♁}$ 16'34	0°51'53
conjunction	-11121 Dec 22 j 23:47	14° $\text{♁}$ 18'43	-1°09'53	minimum elong	-11115 Jun 13 j 09:03	1° $\text{♁}$ 16'32	0°51'51
minimum elong	-11121 Dec 22 j 23:40	14° $\text{♁}$ 18'39	1°09'59	morning rise	-11115 Jun 26 j 01:39	4° $\text{♁}$ 06'20	
max. Earth dist.	-11121 Dec 24 j 06:47	14° $\text{♁}$ 36'49	6.07001 AU	retrograde	-11115 Oct 25 j 01:49	21° $\text{♁}$ 26'11	
morning rise	-11120 Jan 05 j 16:17	17° $\text{♁}$ 30'01		opposition	-11115 Dec 24 j 19:01	16° $\text{♁}$ 34'29	1°47'37
	-11120 Mar 04 j 14:01	0° $\text{♁}$		min. Earth dist.	-11115 Dec 25 j 14:42	16° $\text{♁}$ 28'13	4.33648 AU
retrograde	-11120 May 15 j 06:27	7° $\text{♁}$ 18'23		direct	-11114 Feb 25 j 06:25	11° $\text{♁}$ 35'02	
opposition	-11120 Jul 13 j 17:40	2° $\text{♁}$ 13'32	-2°13'08	evening set	-11114 Jul 01 j 22:11	29° $\text{♁}$ 37'57	
min. Earth dist.	-11120 Jul 12 j 23:35	2° $\text{♁}$ 19'44	4.08137 AU		-11114 Jul 03 j 13:41	0° $\text{♁}$	
	-11120 Jul 30 j 15:06	30° $\text{♁}$		max. Earth dist.	-11114 Jul 13 j 06:54	2° $\text{♁}$ 10'55	6.32498 AU
direct	-11120 Sep 10 j 01:40	27° $\text{♁}$ 14'19					
	-11120 Oct 21 j 12:18	0° $\text{♁}$		conjunction	-11114 Jul 14 j 09:32	2° $\text{♁}$ 25'55	1°30'39
	-11119 Jan 08 j 07:29	15° $\text{♁}$		minimum elong	-11114 Jul 14 j 09:28	2° $\text{♁}$ 25'52	1°30'56
evening set	-11119 Jan 14 j 11:44	16° $\text{♁}$ 24'48		morning rise	-11114 Jul 26 j 19:09	5° $\text{♁}$ 13'04	
					-11114 Sep 11 j 16:53	15° $\text{♁}$	
conjunction	-11119 Jan 28 j 04:35	19° $\text{♁}$ 34'25	-1°39'53	retrograde	-11114 Nov 26 j 16:39	22° $\text{♁}$ 51'55	
minimum elong	-11119 Jan 28 j 04:32	19° $\text{♁}$ 34'24	1°40'18	opposition	-11113 Jan 26 j 23:20	17° $\text{♁}$ 59'28	2°27'31
max. Earth dist.	-11119 Jan 29 j 05:57	19° $\text{♁}$ 49'05	6.10105 AU	min. Earth dist.	-11113 Jan 27 j 16:37	17° $\text{♁}$ 54'00	4.30611 AU
morning rise	-11119 Feb 10 j 22:10	22° $\text{♁}$ 44'20			-11113 Feb 21 j 09:50	15° $\text{♁}$	

Attention, astronomical year style is used: The year -11113 in astronomical counting style is the year 11114 BCE in historical counting style.

direct	-11113 Mar 30 j 01:30	13° $\text{♁}$ 03'05		conjunction	-11107 Feb 02 j 09:06	24° $\text{♁}$ 34'57	-1°41'14
	-11113 May 05 j 08:06	15° $\text{♁}$		minimum elong	-11107 Feb 02 j 09:04	24° $\text{♁}$ 34'56	1°41'43
	-11113 Jul 28 j 05:03	0° $\text{♁}$		max. Earth dist.	-11107 Feb 03 j 07:43	24° $\text{♁}$ 48'00	6.10564 AU
evening set	-11113 Aug 02 j 00:45	1° $\text{♁}$ 05'09		morning rise	-11107 Feb 16 j 02:40	27° $\text{♁}$ 44'35	
					-11107 Feb 26 j 00:54	0° $\text{♁}$	
conjunction	-11113 Aug 14 j 09:02	3° $\text{♁}$ 53'30	1°43'07	retrograde	-11107 Jun 23 j 16:50	16° $\text{♁}$ 57'11	
minimum elong	-11113 Aug 14 j 09:02	3° $\text{♁}$ 53'31	1°43'39	opposition	-11107 Aug 21 j 16:04	11° $\text{♁}$ 54'43	-2°28'56
max. Earth dist.	-11113 Aug 13 j 14:58	3° $\text{♁}$ 43'13	6.27638 AU	min. Earth dist.	-11107 Aug 21 j 06:01	11° $\text{♁}$ 58'09	4.13871 AU
morning rise	-11113 Aug 26 j 17:26	6° $\text{♁}$ 42'02		direct	-11107 Oct 19 j 21:10	6° $\text{♁}$ 52'05	
retrograde	-11113 Dec 30 j 08:50	24° $\text{♁}$ 56'17		evening set	-11106 Feb 25 j 07:03	25° $\text{♁}$ 57'46	
opposition	-11112 Feb 29 j 23:47	20° $\text{♁}$ 01'17	2°23'50				
min. Earth dist.	-11112 Mar 01 j 07:10	19° $\text{♁}$ 58'56	4.24292 AU	conjunction	-11106 Mar 10 j 23:15	29° $\text{♁}$ 03'57	-1°30'20
direct	-11112 May 01 j 01:21	15° $\text{♁}$ 07'23		minimum elong	-11106 Mar 10 j 23:19	29° $\text{♁}$ 04'00	1°30'56
	-11112 Aug 18 j 03:56	0° $\text{♁}$		max. Earth dist.	-11106 Mar 11 j 08:03	29° $\text{♁}$ 08'58	6.17511 AU
evening set	-11112 Sep 01 j 15:24	3° $\text{♁}$ 16'38			-11106 Mar 15 j 01:49	0° $\text{♁}$	
				morning rise	-11106 Mar 24 j 13:46	2° $\text{♁}$ 09'12	
conjunction	-11112 Sep 14 j 03:44	6° $\text{♁}$ 09'39	1°24'20	retrograde	-11106 Jul 26 j 21:52	20° $\text{♁}$ 34'40	
minimum elong	-11112 Sep 14 j 03:48	6° $\text{♁}$ 09'41	1°24'56	opposition	-11106 Sep 23 j 21:30	15° $\text{♁}$ 35'53	-1°48'10
max. Earth dist.	-11112 Sep 14 j 00:52	6° $\text{♁}$ 07'59	6.20399 AU	min. Earth dist.	-11106 Sep 23 j 21:30	15° $\text{♁}$ 35'53	4.21526 AU
morning rise	-11112 Sep 26 j 17:53	9° $\text{♁}$ 03'47		direct	-11106 Nov 23 j 07:22	10° $\text{♁}$ 31'46	
retrograde	-11111 Feb 02 j 09:04	28° $\text{♁}$ 00'33		evening set	-11105 Apr 01 j 11:06	29° $\text{♁}$ 18'56	
opposition	-11111 Apr 04 j 19:53	23° $\text{♁}$ 01'59	1°34'11		-11105 Apr 04 j 12:42	0° $\text{♁}$	
min. Earth dist.	-11111 Apr 04 j 16:44	23° $\text{♁}$ 03'00	4.16572 AU				
direct	-11111 Jun 03 j 17:18	18° $\text{♁}$ 09'06		conjunction	-11105 Apr 14 j 22:50	2° $\text{♁}$ 20'15	-0°49'34
	-11111 Sep 05 j 08:21	0° $\text{♁}$		minimum elong	-11105 Apr 14 j 22:55	2° $\text{♁}$ 20'17	0°50'05
evening set	-11111 Oct 04 j 12:11	6° $\text{♁}$ 32'50		max. Earth dist.	-11105 Apr 14 j 12:59	2° $\text{♁}$ 14'43	6.25346 AU
				morning rise	-11105 Apr 28 j 07:45	5° $\text{♁}$ 19'59	
conjunction	-11111 Oct 17 j 09:46	9° $\text{♁}$ 33'11	0°37'46		-11105 Jun 13 j 13:23	15° $\text{♁}$	
minimum elong	-11111 Oct 17 j 09:50	9° $\text{♁}$ 33'13	0°38'17	retrograde	-11105 Aug 28 j 01:35	23° $\text{♁}$ 03'18	
max. Earth dist.	-11111 Oct 17 j 22:13	9° $\text{♁}$ 40'27	6.12963 AU	opposition	-11105 Oct 26 j 11:02	18° $\text{♁}$ 08'09	-0°34'22
morning rise	-11111 Oct 30 j 10:49	12° $\text{♁}$ 35'25		min. Earth dist.	-11105 Oct 26 j 22:01	18° $\text{♁}$ 04'32	4.28776 AU
	-11111 Nov 09 j 22:28	15° $\text{♁}$			-11105 Nov 21 j 05:13	15° $\text{♁}$	
	-11110 Jan 31 j 08:45	0° $\text{♁}$		direct	-11105 Dec 27 j 02:06	13° $\text{♁}$ 04'17	
retrograde	-11110 Mar 10 j 05:28	2° $\text{♁}$ 09'54			-11104 Feb 01 j 06:20	15° $\text{♁}$	
	-11110 Apr 17 j 00:48	30° $\text{♁}$		asc. node	-11104 Apr 06 j 18:14	25° $\text{♁}$ 39'45	
opposition	-11110 May 10 j 04:40	27° $\text{♁}$ 07'40	0°10'55		-11104 Apr 27 j 02:46	0° $\text{♁}$	
min. Earth dist.	-11110 May 09 j 13:59	27° $\text{♁}$ 12'32	4.09974 AU	evening set	-11104 May 03 j 22:02	1° $\text{♁}$ 29'49	
desc. node	-11110 Jun 26 j 04:12	22° $\text{♁}$ 28'04		max. Earth dist.	-11104 May 16 j 04:40	4° $\text{♁}$ 13'33	6.31522 AU
direct	-11110 Jul 07 j 22:59	22° $\text{♁}$ 13'57					
	-11110 Sep 18 j 13:34	0° $\text{♁}$		conjunction	-11104 May 17 j 02:04	4° $\text{♁}$ 25'29	0°05'47
evening set	-11110 Nov 08 j 03:41	10° $\text{♁}$ 57'24		minimum elong	-11104 May 17 j 02:03	4° $\text{♁}$ 25'28	0°05'28
				behind sun begin	-11104 May 16 j 18:14	4° $\text{♁}$ 21'08	
conjunction	-11110 Nov 21 j 11:32	14° $\text{♁}$ 04'30	-0°22'51	behind sun end	-11104 May 17 j 09:51	4° $\text{♁}$ 29'48	
minimum elong	-11110 Nov 21 j 11:30	14° $\text{♁}$ 04'28	0°22'38	morning rise	-11104 May 30 j 02:22	7° $\text{♁}$ 19'18	
max. Earth dist.	-11110 Nov 22 j 13:59	14° $\text{♁}$ 20'00	6.07845 AU	retrograde	-11104 Sep 27 j 16:13	24° $\text{♁}$ 38'56	
morning rise	-11110 Dec 04 j 22:52	17° $\text{♁}$ 13'30		opposition	-11104 Nov 26 j 18:41	19° $\text{♁}$ 46'22	0°47'48
	-11109 Feb 03 j 05:56	0° $\text{♁}$		min. Earth dist.	-11104 Nov 27 j 12:07	19° $\text{♁}$ 40'44	4.33400 AU
retrograde	-11109 Apr 15 j 11:48	7° $\text{♁}$ 07'50		direct	-11103 Jan 28 j 02:59	14° $\text{♁}$ 44'26	
opposition	-11109 Jun 14 j 14:43	2° $\text{♁}$ 03'11	-1°18'04		-11103 May 22 j 18:46	0° $\text{♁}$	
min. Earth dist.	-11109 Jun 13 j 19:35	2° $\text{♁}$ 09'40	4.06844 AU	evening set	-11103 Jun 04 j 23:19	2° $\text{♁}$ 53'04	
	-11109 Jun 30 j 06:47	30° $\text{♁}$					
direct	-11109 Aug 11 j 20:14	27° $\text{♁}$ 06'53		conjunction	-11103 Jun 17 j 17:30	5° $\text{♁}$ 43'30	0°58'27
	-11109 Sep 23 j 00:25	0° $\text{♁}$		minimum elong	-11103 Jun 17 j 17:25	5° $\text{♁}$ 43'27	0°58'28
evening set	-11109 Dec 14 j 12:23	16° $\text{♁}$ 09'29		max. Earth dist.	-11103 Jun 16 j 12:49	5° $\text{♁}$ 27'30	6.34173 AU
				morning rise	-11103 Jun 30 j 08:54	8° $\text{♁}$ 32'30	
conjunction	-11109 Dec 28 j 03:01	19° $\text{♁}$ 19'46	-1°15'56	retrograde	-11103 Oct 29 j 13:20	25° $\text{♁}$ 51'59	
minimum elong	-11109 Dec 28 j 02:54	19° $\text{♁}$ 19'43	1°16'05	opposition	-11103 Dec 29 j 08:08	21° $\text{♁}$ 00'16	1°55'14
max. Earth dist.	-11109 Dec 29 j 09:47	19° $\text{♁}$ 37'44	6.06905 AU	min. Earth dist.	-11103 Dec 30 j 04:40	20° $\text{♁}$ 53'44	4.33992 AU
morning rise	-11108 Jan 10 j 20:04	22° $\text{♁}$ 31'17		direct	-11102 Mar 01 j 20:41	16° $\text{♁}$ 01'09	
	-11108 Feb 13 j 07:33	0° $\text{♁}$			-11102 Jun 17 j 19:45	0° $\text{♁}$	
retrograde	-11108 May 20 j 03:46	12° $\text{♁}$ 17'51		evening set	-11102 Jul 06 j 04:31	4° $\text{♁}$ 01'35	
opposition	-11108 Jul 18 j 13:08	7° $\text{♁}$ 13'09	-2°18'50				
min. Earth dist.	-11108 Jul 17 j 18:55	7° $\text{♁}$ 19'23	4.08336 AU	conjunction	-11102 Jul 18 j 15:06	6° $\text{♁}$ 49'08	1°34'03
direct	-11108 Sep 14 j 21:02	2° $\text{♁}$ 13'29		minimum elong	-11102 Jul 18 j 15:01	6° $\text{♁}$ 49'05	1°34'22
	-11108 Dec 21 j 21:14	15° $\text{♁}$		max. Earth dist.	-11102 Jul 17 j 13:17	6° $\text{♁}$ 34'36	6.32533 AU
evening set	-11107 Jan 19 j 16:11	21° $\text{♁}$ 25'29		morning rise	-11102 Jul 31 j 00:01	9° $\text{♁}$ 35'58	
					-11102 Aug 24 j 18:39	15° $\text{♁}$	

Attention, astronomical year style is used: The year -11102 in astronomical counting style is the year 11103 BCE in historical counting style.

retrograde	-11102 Dec 01 j 03:19	27° <b>8</b> 17'11		direct	-11096 Sep 19 j 18:59	7° <b>ℓ</b> 12'40	
opposition	-11101 Jan 31 j 13:06	22° <b>8</b> 24'27	2°29'38		-11096 Dec 02 j 03:25	15° <b>ℓ</b>	
min. Earth dist.	-11101 Feb 01 j 04:48	22° <b>8</b> 19'29	4.30344 AU	evening set	-11095 Jan 24 j 20:27	26° <b>ℓ</b> 25'50	
direct	-11101 Apr 03 j 11:54	17° <b>8</b> 28'26					
	-11101 Jul 12 j 07:33	0° <b>Π</b>		conjunction	-11095 Feb 07 j 13:38	29° <b>ℓ</b> 35'07	-1°41'49
evening set	-11101 Aug 06 j 06:30	5° <b>Π</b> 29'41		minimum elong	-11095 Feb 07 j 13:38	29° <b>ℓ</b> 35'07	1°42'20
				max. Earth dist.	-11095 Feb 08 j 12:47	29° <b>ℓ</b> 48'27	6.11151 AU
conjunction	-11101 Aug 18 j 14:49	8° <b>Π</b> 18'15	1°42'23		-11095 Feb 09 j 08:49	0° <b>♊</b>	
minimum elong	-11101 Aug 18 j 14:50	8° <b>Π</b> 18'16	1°42'57	morning rise	-11095 Feb 21 j 06:52	2° <b>♊</b> 44'21	
max. Earth dist.	-11101 Aug 17 j 22:10	8° <b>Π</b> 08'45	6.27083 AU	retrograde	-11095 Jun 28 j 11:05	21° <b>♊</b> 51'25	
morning rise	-11101 Aug 30 j 23:29	11° <b>Π</b> 07'08		opposition	-11095 Aug 26 j 09:23	16° <b>♊</b> 49'24	-2°25'58
retrograde	-11100 Jan 04 j 01:24	29° <b>Π</b> 25'59		min. Earth dist.	-11095 Aug 25 j 23:55	16° <b>♊</b> 52'38	4.14762 AU
opposition	-11100 Mar 05 j 15:26	24° <b>Π</b> 30'35	2°19'40	direct	-11095 Oct 24 j 17:35	11° <b>♊</b> 46'30	
min. Earth dist.	-11100 Mar 05 j 23:00	24° <b>Π</b> 28'10	4.23461 AU		-11094 Feb 26 j 14:40	0° <b>♋</b>	
direct	-11100 May 05 j 14:42	19° <b>Π</b> 36'51		evening set	-11094 Mar 02 j 08:02	0° <b>♋</b> 50'14	
	-11100 Aug 01 j 12:02	0° <b>♌</b>					
evening set	-11100 Sep 05 j 23:27	7° <b>♌</b> 47'17		conjunction	-11094 Mar 15 j 23:41	3° <b>♋</b> 55'47	-1°26'05
				minimum elong	-11094 Mar 15 j 23:46	3° <b>♋</b> 55'50	1°26'42
conjunction	-11100 Sep 18 j 12:44	10° <b>♌</b> 41'10	1°19'29	max. Earth dist.	-11094 Mar 16 j 05:13	3° <b>♋</b> 58'56	6.18611 AU
minimum elong	-11100 Sep 18 j 12:49	10° <b>♌</b> 41'13	1°20'06	morning rise	-11094 Mar 29 j 13:45	7° <b>♋</b> 00'21	
max. Earth dist.	-11100 Sep 18 j 10:27	10° <b>♌</b> 39'50	6.19375 AU	retrograde	-11094 Jul 31 j 11:21	25° <b>♋</b> 19'01	
morning rise	-11100 Oct 01 j 04:16	13° <b>♌</b> 36'20		opposition	-11094 Sep 28 j 11:56	20° <b>♋</b> 20'42	-1°39'13
	-11100 Dec 26 j 18:14	0° <b>♍</b>		min. Earth dist.	-11094 Sep 28 j 13:33	20° <b>♋</b> 20'09	4.22695 AU
retrograde	-11099 Feb 07 j 03:00	2° <b>♍</b> 38'57		direct	-11094 Nov 28 j 02:49	15° <b>♋</b> 16'26	
	-11099 Mar 21 j 19:22	30° <b>♌</b>			-11093 Mar 18 j 23:02	0° <b>♎</b>	
opposition	-11099 Apr 09 j 13:41	27° <b>♌</b> 39'54	1°24'29	evening set	-11093 Apr 06 j 05:51	4° <b>♎</b> 00'07	
min. Earth dist.	-11099 Apr 09 j 08:33	27° <b>♌</b> 41'33	4.15428 AU				
direct	-11099 Jun 08 j 05:55	22° <b>♌</b> 47'01		conjunction	-11093 Apr 19 j 16:49	7° <b>♎</b> 00'38	-0°42'17
	-11099 Aug 17 j 14:28	0° <b>♍</b>		minimum elong	-11093 Apr 19 j 16:53	7° <b>♎</b> 00'40	0°42'48
evening set	-11099 Oct 09 j 01:47	11° <b>♍</b> 13'57		max. Earth dist.	-11093 Apr 19 j 06:19	6° <b>♎</b> 54'44	6.26490 AU
				morning rise	-11093 May 03 j 00:31	9° <b>♎</b> 59'26	
conjunction	-11099 Oct 22 j 00:54	14° <b>♍</b> 15'28	0°30'01		-11093 May 26 j 00:49	15° <b>♎</b>	
minimum elong	-11099 Oct 22 j 00:57	14° <b>♍</b> 15'30	0°30'29	retrograde	-11093 Sep 01 j 11:46	27° <b>♎</b> 37'37	
max. Earth dist.	-11099 Oct 22 j 15:28	14° <b>♍</b> 23'59	6.11818 AU	opposition	-11093 Oct 30 j 23:26	22° <b>♎</b> 42'56	-0°22'49
	-11099 Oct 25 j 05:02	15° <b>♍</b>		min. Earth dist.	-11093 Oct 31 j 11:12	22° <b>♎</b> 39'04	4.29767 AU
morning rise	-11099 Nov 04 j 03:24	17° <b>♍</b> 18'53		direct	-11093 Dec 31 j 17:10	17° <b>♎</b> 39'16	
	-11098 Jan 03 j 07:10	0° <b>♎</b>		asc. node	-11092 Feb 15 j 20:13	20° <b>♎</b> 42'01	
retrograde	-11098 Mar 15 j 05:19	6° <b>♎</b> 58'50			-11092 Apr 10 j 08:19	0° <b>♏</b>	
desc. node	-11098 May 08 j 10:04	2° <b>♎</b> 48'34		evening set	-11092 May 08 j 10:59	6° <b>♏</b> 01'28	
min. Earth dist.	-11098 May 14 j 09:54	2° <b>♎</b> 01'04	4.08922 AU				
opposition	-11098 May 15 j 00:30	1° <b>♎</b> 56'13	-0°01'32	conjunction	-11092 May 21 j 13:32	8° <b>♏</b> 56'16	0°13'38
	-11098 May 30 j 00:34	30° <b>♌</b>		minimum elong	-11092 May 21 j 13:30	8° <b>♏</b> 56'15	0°13'22
direct	-11098 Jul 12 j 16:43	27° <b>♍</b> 02'14		behind sun begin	-11092 May 21 j 08:53	8° <b>♏</b> 53'41	
	-11098 Aug 24 j 14:16	0° <b>♎</b>		behind sun end	-11092 May 21 j 18:07	8° <b>♏</b> 58'49	
evening set	-11098 Nov 13 j 00:46	15° <b>♎</b> 50'09		max. Earth dist.	-11092 May 20 j 13:17	8° <b>♏</b> 42'46	6.32259 AU
				morning rise	-11092 Jun 03 j 12:43	11° <b>♏</b> 49'18	
conjunction	-11098 Nov 26 j 09:52	18° <b>♎</b> 58'11	-0°31'00	retrograde	-11092 Oct 02 j 02:54	29° <b>♏</b> 07'08	
minimum elong	-11098 Nov 26 j 09:48	18° <b>♎</b> 58'08	0°30'50	opposition	-11092 Dec 01 j 06:50	24° <b>♏</b> 14'46	0°58'32
max. Earth dist.	-11098 Nov 27 j 13:19	19° <b>♎</b> 14'16	6.06995 AU	min. Earth dist.	-11092 Dec 02 j 01:45	24° <b>♏</b> 08'41	4.33833 AU
morning rise	-11098 Dec 09 j 22:27	22° <b>♎</b> 08'04		direct	-11091 Feb 01 j 17:08	19° <b>♏</b> 13'08	
	-11097 Jan 14 j 02:03	0° <b>♏</b>			-11091 May 05 j 18:38	0° <b>♐</b>	
retrograde	-11097 Apr 20 j 11:19	12° <b>♏</b> 05'00		evening set	-11091 Jun 09 j 08:15	7° <b>♐</b> 19'52	
opposition	-11097 Jun 19 j 11:07	7° <b>♏</b> 00'15	-1°28'44	max. Earth dist.	-11091 Jun 20 j 21:29	9° <b>♐</b> 54'10	6.34257 AU
min. Earth dist.	-11097 Jun 18 j 15:03	7° <b>♏</b> 07'04	4.06319 AU				
direct	-11097 Aug 16 j 14:06	2° <b>♏</b> 03'34		conjunction	-11091 Jun 22 j 01:19	10° <b>♐</b> 09'43	1°04'42
evening set	-11097 Dec 19 j 15:30	21° <b>♏</b> 10'03		minimum elong	-11091 Jun 22 j 01:14	10° <b>♐</b> 09'40	1°04'45
				morning rise	-11091 Jul 04 j 15:26	12° <b>♐</b> 58'10	
conjunction	-11096 Jan 02 j 06:42	24° <b>♏</b> 20'40	-1°21'22		-11091 Oct 19 j 15:53	0° <b>♑</b>	
minimum elong	-11096 Jan 02 j 06:36	24° <b>♏</b> 20'36	1°21'34	retrograde	-11091 Nov 02 j 23:38	0° <b>♑</b> 19'17	
max. Earth dist.	-11096 Jan 03 j 12:35	24° <b>♏</b> 38'06	6.06735 AU		-11091 Nov 17 j 08:26	30° <b>♑</b>	
morning rise	-11096 Jan 16 j 00:14	27° <b>♏</b> 32'23		opposition	-11090 Jan 02 j 21:27	25° <b>♑</b> 27'33	2°02'18
	-11096 Jan 26 j 17:20	0° <b>♒</b>		min. Earth dist.	-11090 Jan 03 j 17:17	25° <b>♑</b> 21'15	4.33739 AU
	-11096 Apr 16 j 23:55	15° <b>♒</b>		direct	-11090 Mar 06 j 08:03	20° <b>♑</b> 28'54	
retrograde	-11096 May 25 j 01:28	17° <b>♒</b> 17'20			-11090 May 31 j 09:30	0° <b>♒</b>	
	-11096 Jul 01 j 19:00	15° <b>♒</b>		evening set	-11090 Jul 10 j 12:08	8° <b>♒</b> 29'02	
opposition	-11096 Jul 23 j 08:52	12° <b>♒</b> 12'47	-2°23'28				
min. Earth dist.	-11096 Jul 22 j 15:25	12° <b>♒</b> 18'46	4.08552 AU	conjunction	-11090 Jul 22 j 21:53	11° <b>♒</b> 16'28	1°36'59

Attention, astronomical year style is used: The year -11090 in astronomical counting style is the year 11091 BCE in historical counting style.

minimum elong	-11090 Jul 22 j 21:49	11° <b>8</b> 16'26	1°37'21	morning rise	-11084 Jan 21 j 04:54	2° <b>ℓ</b> 34'15	
max. Earth dist.	-11090 Jul 21 j 19:50	11° <b>8</b> 01'46	6.31942 AU		-11084 Mar 19 j 22:00	15° <b>ℓ</b>	
morning rise	-11090 Aug 04 j 06:28	14° <b>8</b> 03'21		retrograde	-11084 May 29 j 21:30	22° <b>ℓ</b> 13'23	
	-11090 Aug 08 j 11:53	15° <b>8</b>		min. Earth dist.	-11084 Jul 27 j 10:23	17° <b>ℓ</b> 14'46	4.09680 AU
	-11090 Oct 31 j 22:49	0° <b>II</b>		opposition	-11084 Jul 28 j 03:05	17° <b>ℓ</b> 09'03	-2°26'56
retrograde	-11090 Dec 05 j 19:53	1° <b>II</b> 49'12			-11084 Aug 13 j 08:59	15° <b>ℓ</b>	
	-11089 Jan 09 j 23:17	30° <b>8</b>		direct	-11084 Sep 24 j 15:45	12° <b>ℓ</b> 08'30	
opposition	-11089 Feb 05 j 05:32	26° <b>8</b> 56'12	2°31'03		-11084 Nov 06 j 03:19	15° <b>ℓ</b>	
min. Earth dist.	-11089 Feb 05 j 21:22	26° <b>8</b> 51'10	4.29453 AU		-11083 Jan 24 j 02:53	0° <b>♂</b>	
direct	-11089 Apr 08 j 02:30	22° <b>8</b> 00'31		evening set	-11083 Jan 29 j 22:24	1° <b>♂</b> 19'20	
	-11089 Jun 23 j 22:49	0° <b>II</b>					
evening set	-11089 Aug 10 j 15:06	10° <b>II</b> 02'59		conjunction	-11083 Feb 12 j 15:19	4° <b>♂</b> 27'55	-1°41'42
				minimum elong	-11083 Feb 12 j 15:19	4° <b>♂</b> 27'55	1°42'13
conjunction	-11089 Aug 22 j 23:50	12° <b>II</b> 52'08	1°41'03	max. Earth dist.	-11083 Feb 13 j 10:57	4° <b>♂</b> 39'12	6.12515 AU
minimum elong	-11089 Aug 22 j 23:51	12° <b>II</b> 52'09	1°41'37	morning rise	-11083 Feb 26 j 08:20	7° <b>♂</b> 36'23	
max. Earth dist.	-11089 Aug 22 j 08:58	12° <b>II</b> 43'39	6.25968 AU	retrograde	-11083 Jul 02 j 23:44	26° <b>♂</b> 35'13	
morning rise	-11089 Sep 04 j 09:03	15° <b>II</b> 41'43		opposition	-11083 Aug 30 j 22:46	21° <b>♂</b> 33'37	-2°22'03
	-11089 Nov 16 j 05:49	0° <b>♄</b>		min. Earth dist.	-11083 Aug 30 j 14:48	21° <b>♂</b> 36'20	4.16221 AU
retrograde	-11088 Jan 08 j 19:59	4° <b>♄</b> 07'01		direct	-11083 Oct 29 j 11:44	16° <b>♂</b> 30'20	
	-11088 Mar 04 j 01:33	30° <b>ℓ</b>			-11082 Feb 10 j 02:07	0° <b>♄</b>	
opposition	-11088 Mar 10 j 11:14	29° <b>II</b> 11'10	2°14'32	evening set	-11082 Mar 07 j 03:45	5° <b>♄</b> 30'14	
min. Earth dist.	-11088 Mar 10 j 16:30	29° <b>II</b> 09'29	4.22209 AU				
direct	-11088 May 10 j 05:20	24° <b>II</b> 17'42		conjunction	-11082 Mar 20 j 19:02	8° <b>♄</b> 35'01	-1°21'27
	-11088 Jul 11 j 22:34	0° <b>♄</b>		minimum elong	-11082 Mar 20 j 19:08	8° <b>♄</b> 35'04	1°22'03
evening set	-11088 Sep 10 j 12:22	12° <b>♄</b> 30'37		max. Earth dist.	-11082 Mar 20 j 22:25	8° <b>♄</b> 36'55	6.20054 AU
				morning rise	-11082 Apr 03 j 08:15	11° <b>♄</b> 38'38	
conjunction	-11088 Sep 23 j 02:49	15° <b>♄</b> 25'33	1°13'55	retrograde	-11082 Aug 04 j 20:32	29° <b>♄</b> 50'01	
minimum elong	-11088 Sep 23 j 02:54	15° <b>♄</b> 25'36	1°14'31	opposition	-11082 Oct 02 j 21:44	24° <b>♄</b> 52'16	-1°30'04
max. Earth dist.	-11088 Sep 23 j 02:58	15° <b>♄</b> 25'38	6.18112 AU	min. Earth dist.	-11082 Oct 03 j 01:30	24° <b>♄</b> 51'00	4.23967 AU
morning rise	-11088 Oct 05 j 19:42	18° <b>♄</b> 21'54		direct	-11082 Dec 02 j 16:50	19° <b>♄</b> 47'57	
	-11088 Nov 29 j 21:11	0° <b>♂</b>			-11081 Mar 01 j 17:55	0° <b>♄</b>	
retrograde	-11087 Feb 12 j 04:20	7° <b>♂</b> 30'58		evening set	-11081 Apr 10 j 19:13	8° <b>♄</b> 28'03	
opposition	-11087 Apr 14 j 12:27	2° <b>♂</b> 31'25	1°13'45				
min. Earth dist.	-11087 Apr 14 j 06:19	2° <b>♂</b> 33'24	4.14250 AU	conjunction	-11081 Apr 24 j 05:11	11° <b>♄</b> 27'46	-0°35'05
	-11087 May 04 j 22:17	30° <b>ℓ</b>		minimum elong	-11081 Apr 24 j 05:15	11° <b>♄</b> 27'48	0°35'35
direct	-11087 Jun 13 j 01:52	27° <b>♄</b> 38'30		max. Earth dist.	-11081 Apr 23 j 14:42	11° <b>♄</b> 19'40	6.27483 AU
	-11087 Jul 21 j 13:49	0° <b>♂</b>		morning rise	-11081 May 07 j 11:58	14° <b>♄</b> 25'48	
	-11087 Oct 08 j 22:33	15° <b>♂</b>			-11081 May 10 j 01:36	15° <b>♄</b>	
evening set	-11087 Oct 13 j 21:00	16° <b>♂</b> 08'39			-11081 Aug 01 j 02:54	0° <b>♂</b>	
				retrograde	-11081 Sep 05 j 18:09	2° <b>♂</b> 00'03	
conjunction	-11087 Oct 26 j 21:39	19° <b>♂</b> 11'16	0°21'42		-11081 Oct 11 j 12:50	30° <b>ℓ</b>	
minimum elong	-11087 Oct 26 j 21:41	19° <b>♂</b> 11'17	0°22'08	opposition	-11081 Nov 04 j 07:40	27° <b>♄</b> 05'45	-0°11'39
max. Earth dist.	-11087 Oct 27 j 14:57	19° <b>♂</b> 21'23	6.10880 AU	min. Earth dist.	-11081 Nov 04 j 21:16	27° <b>♄</b> 01'17	4.30411 AU
morning rise	-11087 Nov 09 j 01:48	22° <b>♂</b> 15'50		asc. node	-11081 Dec 29 j 06:40	22° <b>♄</b> 06'39	
	-11087 Dec 13 j 17:33	0° <b>♄</b>		direct	-11080 Jan 05 j 04:00	22° <b>♄</b> 02'12	
desc. node	-11086 Mar 18 j 12:45	11° <b>♄</b> 59'17			-11080 Mar 23 j 05:06	0° <b>♂</b>	
retrograde	-11086 Mar 20 j 07:34	11° <b>♄</b> 59'35		evening set	-11080 May 12 j 19:45	10° <b>♂</b> 22'38	
min. Earth dist.	-11086 May 19 j 07:46	7° <b>♄</b> 02'08	4.08354 AU				
opposition	-11086 May 20 j 00:22	6° <b>♄</b> 56'36	-0°14'29	conjunction	-11080 May 25 j 21:11	13° <b>♂</b> 16'50	0°21'06
direct	-11086 Jul 17 j 12:57	2° <b>♄</b> 02'24		minimum elong	-11080 May 25 j 21:09	13° <b>♂</b> 16'48	0°20'53
evening set	-11086 Nov 18 j 02:13	20° <b>♄</b> 52'49		max. Earth dist.	-11080 May 24 j 20:06	13° <b>♂</b> 02'51	6.32510 AU
				morning rise	-11080 Jun 07 j 19:03	16° <b>♂</b> 09'15	
conjunction	-11086 Dec 01 j 12:20	24° <b>♄</b> 01'21	-0°39'12		-11080 Aug 19 j 11:47	0° <b>♄</b>	
minimum elong	-11086 Dec 01 j 12:16	24° <b>♄</b> 01'19	0°39'05	retrograde	-11080 Oct 06 j 10:11	3° <b>♄</b> 27'15	
max. Earth dist.	-11086 Dec 02 j 16:55	24° <b>♄</b> 18'07	6.06856 AU		-11080 Nov 24 j 11:52	30° <b>ℓ</b>	
morning rise	-11086 Dec 15 j 01:57	27° <b>♄</b> 11'42		opposition	-11080 Dec 05 j 16:08	28° <b>♂</b> 35'08	1°08'35
	-11086 Dec 27 j 06:09	0° <b>♄</b>		min. Earth dist.	-11080 Dec 06 j 11:51	28° <b>♂</b> 28'48	4.33687 AU
retrograde	-11085 Apr 25 j 11:17	17° <b>♄</b> 07'48		direct	-11079 Feb 06 j 02:43	23° <b>♂</b> 33'54	
opposition	-11085 Jun 24 j 09:26	12° <b>♄</b> 02'51	-1°38'55		-11079 Apr 16 j 12:41	0° <b>♄</b>	
min. Earth dist.	-11085 Jun 23 j 13:01	12° <b>♄</b> 09'48	4.06646 AU	evening set	-11079 Jun 13 j 14:59	11° <b>♄</b> 40'48	
direct	-11085 Aug 21 j 13:09	7° <b>♄</b> 05'41		max. Earth dist.	-11079 Jun 25 j 01:04	14° <b>♄</b> 13'42	6.33698 AU
evening set	-11085 Dec 24 j 19:38	26° <b>♄</b> 12'30					
				conjunction	-11079 Jun 26 j 06:50	14° <b>♄</b> 30'22	1°10'24
conjunction	-11084 Jan 07 j 11:22	29° <b>♄</b> 22'56	-1°26'15	minimum elong	-11079 Jun 26 j 06:44	14° <b>♄</b> 30'19	1°10'30
minimum elong	-11084 Jan 07 j 11:16	29° <b>♄</b> 22'53	1°26'30	morning rise	-11079 Jul 08 j 20:11	17° <b>♄</b> 18'40	
max. Earth dist.	-11084 Jan 08 j 18:44	29° <b>♄</b> 41'11	6.07493 AU		-11079 Sep 11 j 06:33	0° <b>♄</b>	
	-11084 Jan 10 j 03:03	0° <b>ℓ</b>		retrograde	-11079 Nov 07 j 11:53	4° <b>♄</b> 43'50	

Attention, astronomical year style is used: The year -11078 in astronomical counting style is the year 11079 BCE in historical counting style.

	-11078 Jan 06 j 09:19	30° $\kappa$ $\Upsilon$		opposition	-11073 Jun 29 j 07:10	17° $\Omega$ 05'24	-1°48'24
opposition	-11078 Jan 07 j 10:23	29° $\Upsilon$ 52'02	2°08'35	direct	-11073 Aug 26 j 11:22	12° $\Omega$ 07'48	
min. Earth dist.	-11078 Jan 08 j 06:31	29° $\Upsilon$ 45'39	4.32834 AU		-11073 Dec 24 j 13:36	0° $\mathbb{M}$	
direct	-11078 Mar 10 j 19:30	24° $\Upsilon$ 53'48		evening set	-11073 Dec 29 j 23:55	1° $\mathbb{M}$ 14'59	
	-11078 May 10 j 13:30	0° $\mathcal{B}$					
evening set	-11078 Jul 14 j 19:15	12° $\mathcal{B}$ 55'45		conjunction	-11072 Jan 12 j 15:49	4° $\mathbb{M}$ 25'09	-1°30'33
	-11078 Jul 23 j 23:50	15° $\mathcal{B}$		minimum elong	-11072 Jan 12 j 15:44	4° $\mathbb{M}$ 25'06	1°30'52
max. Earth dist.	-11078 Jul 26 j 05:02	15° $\mathcal{B}$ 30'05	6.30756 AU	max. Earth dist.	-11072 Jan 13 j 20:51	4° $\mathbb{M}$ 42'01	6.08216 AU
				morning rise	-11072 Jan 26 j 09:36	7° $\mathbb{M}$ 36'09	
conjunction	-11078 Jul 27 j 04:42	15° $\mathcal{B}$ 43'28	1°39'17		-11072 Feb 28 j 15:43	15° $\mathbb{M}$	
minimum elong	-11078 Jul 27 j 04:39	15° $\mathcal{B}$ 43'26	1°39'42	retrograde	-11072 Jun 03 j 16:03	27° $\mathbb{M}$ 09'55	
morning rise	-11078 Aug 08 j 12:55	18° $\mathcal{B}$ 30'42		opposition	-11072 Aug 01 j 21:07	22° $\mathbb{M}$ 05'51	-2°29'29
	-11078 Oct 03 j 16:50	0° $\mathbb{I}$		min. Earth dist.	-11072 Aug 01 j 05:06	22° $\mathbb{M}$ 11'21	4.10635 AU
retrograde	-11078 Dec 10 j 11:49	6° $\mathbb{I}$ 23'11		direct	-11072 Sep 29 j 12:45	17° $\mathbb{M}$ 04'50	
opposition	-11077 Feb 09 j 22:59	1° $\mathbb{I}$ 29'54	2°31'30		-11071 Jan 06 j 21:12	0° $\mathcal{A}$	
min. Earth dist.	-11077 Feb 10 j 12:57	1° $\mathbb{I}$ 25'29	4.28092 AU	evening set	-11071 Feb 04 j 00:21	6° $\mathcal{A}$ 14'14	
	-11077 Feb 21 j 23:30	30° $\kappa$ $\mathcal{B}$					
direct	-11077 Apr 12 j 15:48	26° $\mathcal{B}$ 34'41		conjunction	-11071 Feb 17 j 17:16	9° $\mathcal{A}$ 22'19	-1°40'55
	-11077 May 31 j 01:39	0° $\mathbb{I}$		minimum elong	-11071 Feb 17 j 17:17	9° $\mathcal{A}$ 22'19	1°41'28
evening set	-11077 Aug 15 j 01:26	14° $\mathbb{I}$ 39'49		max. Earth dist.	-11071 Feb 18 j 11:22	9° $\mathcal{A}$ 32'41	6.13630 AU
				morning rise	-11071 Mar 03 j 09:45	12° $\mathcal{A}$ 30'04	
conjunction	-11077 Aug 27 j 10:31	17° $\mathbb{I}$ 29'45	1°39'00		-11071 Jun 08 j 15:28	0° $\mathcal{B}$	
minimum elong	-11077 Aug 27 j 10:33	17° $\mathbb{I}$ 29'46	1°39'35	retrograde	-11071 Jul 07 j 15:31	1° $\mathcal{B}$ 21'58	
max. Earth dist.	-11077 Aug 26 j 21:21	17° $\mathbb{I}$ 22'12	6.24539 AU		-11071 Aug 05 j 08:03	30° $\kappa$ $\mathcal{A}$	
morning rise	-11077 Sep 08 j 20:34	20° $\mathbb{I}$ 20'16		opposition	-11071 Sep 04 j 13:19	26° $\mathcal{A}$ 20'54	-2°17'17
	-11077 Oct 24 j 01:41	0° $\mathcal{E}$		min. Earth dist.	-11071 Sep 04 j 07:42	26° $\mathcal{A}$ 22'49	4.17379 AU
retrograde	-11076 Jan 13 j 19:01	8° $\mathcal{E}$ 52'58		direct	-11071 Nov 03 j 06:42	21° $\mathcal{A}$ 17'24	
opposition	-11076 Mar 15 j 09:06	3° $\mathcal{E}$ 56'36	2°08'21		-11070 Jan 22 j 08:11	0° $\mathcal{B}$	
min. Earth dist.	-11076 Mar 15 j 12:39	3° $\mathcal{E}$ 55'28	4.20809 AU	evening set	-11070 Mar 12 j 00:53	10° $\mathcal{B}$ 14'35	
	-11076 Apr 20 j 08:59	30° $\kappa$ $\mathbb{I}$					
direct	-11076 May 14 j 23:38	29° $\mathbb{I}$ 03'20		conjunction	-11070 Mar 25 j 15:38	13° $\mathcal{B}$ 18'43	-1°16'16
	-11076 Jun 08 j 10:07	0° $\mathcal{E}$		minimum elong	-11070 Mar 25 j 15:44	13° $\mathcal{B}$ 18'46	1°16'52
evening set	-11076 Sep 15 j 03:22	17° $\mathcal{E}$ 19'03		max. Earth dist.	-11070 Mar 25 j 15:51	13° $\mathcal{B}$ 18'50	6.21170 AU
				morning rise	-11070 Apr 08 j 04:11	16° $\mathcal{B}$ 21'36	
conjunction	-11076 Sep 27 j 19:14	20° $\mathcal{E}$ 15'08	1°07'43		-11070 Jun 16 j 03:33	0° $\approx$	
minimum elong	-11076 Sep 27 j 19:19	20° $\mathcal{E}$ 15'11	1°08'18	retrograde	-11070 Aug 09 j 06:20	4° $\approx$ 26'57	
max. Earth dist.	-11076 Sep 27 j 23:12	20° $\mathcal{E}$ 17'26	6.16878 AU		-11070 Oct 03 j 14:48	30° $\kappa$ $\mathcal{B}$	
morning rise	-11076 Oct 10 j 13:36	23° $\mathcal{E}$ 12'40		opposition	-11070 Oct 07 j 09:36	29° $\mathcal{B}$ 29'42	-1°20'15
	-11076 Nov 10 j 00:24	0° $\Omega$		min. Earth dist.	-11070 Oct 07 j 14:38	29° $\mathcal{B}$ 28'01	4.24949 AU
retrograde	-11075 Feb 17 j 06:23	12° $\Omega$ 27'35		direct	-11070 Dec 07 j 07:49	24° $\mathcal{B}$ 25'22	
opposition	-11075 Apr 19 j 12:55	7° $\Omega$ 27'30	1°02'15		-11069 Feb 08 j 16:36	0° $\approx$	
min. Earth dist.	-11075 Apr 19 j 04:21	7° $\Omega$ 30'18	4.13278 AU	evening set	-11069 Apr 15 j 10:57	13° $\approx$ 02'49	
direct	-11075 Jun 17 j 21:48	2° $\Omega$ 34'34			-11069 Apr 24 j 05:22	15° $\approx$	
	-11075 Sep 21 j 16:59	15° $\Omega$					
evening set	-11075 Oct 18 j 17:58	21° $\Omega$ 07'03		conjunction	-11069 Apr 28 j 19:55	16° $\approx$ 01'50	-0°27'31
				minimum elong	-11069 Apr 28 j 19:58	16° $\approx$ 01'51	0°27'59
conjunction	-11075 Oct 31 j 19:56	24° $\Omega$ 10'35	0°13'06	max. Earth dist.	-11069 Apr 28 j 03:30	15° $\approx$ 52'39	6.28282 AU
minimum elong	-11075 Oct 31 j 19:58	24° $\Omega$ 10'36	0°13'31	morning rise	-11069 May 12 j 01:35	18° $\approx$ 59'06	
behind sun begin	-11075 Oct 31 j 15:24	24° $\Omega$ 07'56			-11069 Jul 05 j 01:34	0° $\mathcal{H}$	
behind sun end	-11075 Nov 01 j 00:32	24° $\Omega$ 13'15		retrograde	-11069 Sep 10 j 04:11	6° $\mathcal{H}$ 30'05	
max. Earth dist.	-11075 Nov 01 j 15:07	24° $\Omega$ 21'48	6.10230 AU	opposition	-11069 Nov 08 j 19:04	1° $\mathcal{H}$ 36'12	-0°00'07
morning rise	-11075 Nov 14 j 01:39	27° $\Omega$ 16'06		min. Earth dist.	-11069 Nov 09 j 10:24	1° $\mathcal{H}$ 31'12	4.30960 AU
	-11075 Nov 25 j 22:29	0° $\mathbb{M}$		asc. node	-11069 Nov 09 j 08:02	1° $\mathcal{H}$ 31'58	
desc. node	-11074 Jan 25 j 16:00	12° $\mathbb{M}$ 03'40			-11069 Nov 21 j 06:46	30° $\kappa$ $\approx$	
retrograde	-11074 Mar 25 j 09:40	17° $\mathbb{M}$ 02'25		direct	-11068 Jan 09 j 18:41	26° $\approx$ 32'56	
min. Earth dist.	-11074 May 24 j 06:48	12° $\mathbb{M}$ 04'55	4.08061 AU		-11068 Feb 28 j 03:43	0° $\mathcal{H}$	
opposition	-11074 May 25 j 00:38	11° $\mathbb{M}$ 58'57	-0°27'27	evening set	-11068 May 17 j 07:05	14° $\mathcal{H}$ 51'29	
direct	-11074 Jul 22 j 11:20	7° $\mathbb{M}$ 04'23		max. Earth dist.	-11068 May 29 j 04:20	17° $\mathcal{H}$ 30'04	6.32759 AU
evening set	-11074 Nov 23 j 04:16	25° $\mathbb{M}$ 56'31					
				conjunction	-11068 May 30 j 07:11	17° $\mathcal{H}$ 45'02	0°28'41
conjunction	-11074 Dec 06 j 15:30	29° $\mathbb{M}$ 05'27	-0°47'09	minimum elong	-11068 May 30 j 07:08	17° $\mathcal{H}$ 45'00	0°28'31
minimum elong	-11074 Dec 06 j 15:25	29° $\mathbb{M}$ 05'24	0°47'05	morning rise	-11068 Jun 12 j 03:54	20° $\mathcal{H}$ 36'51	
max. Earth dist.	-11074 Dec 07 j 22:34	29° $\mathbb{M}$ 23'38	6.06925 AU		-11068 Jul 27 j 08:46	0° $\Upsilon$	
	-11074 Dec 10 j 12:39	0° $\mathcal{E}$		retrograde	-11068 Oct 10 j 20:07	7° $\Upsilon$ 55'04	
morning rise	-11074 Dec 20 j 05:48	2° $\mathcal{E}$ 16'03		opposition	-11068 Dec 10 j 04:47	3° $\Upsilon$ 03'04	1°18'35
retrograde	-11073 Apr 30 j 11:55	22° $\mathcal{E}$ 10'22		min. Earth dist.	-11068 Dec 11 j 00:40	2° $\Upsilon$ 56'41	4.33651 AU
min. Earth dist.	-11073 Jun 28 j 11:13	17° $\mathcal{E}$ 12'11	4.07083 AU		-11067 Jan 04 j 20:41	30° $\kappa$ $\mathcal{H}$	

Attention, astronomical year style is used: The year -11067 in astronomical counting style is the year 11068 BCE in historical counting style.

direct	-11067 Feb 10 j 15:36	28° $\text{X}$ 02'13		evening set	-11062 Nov 28 j 03:20	0° $\text{Q}$ 50'54	
	-11067 Mar 19 j 12:06	0° $\text{Y}$					
evening set	-11067 Jun 18 j 00:02	16° $\text{Y}$ 08'31		conjunction	-11062 Dec 11 j 15:15	4° $\text{Q}$ 00'07	-0°54'32
max. Earth dist.	-11067 Jun 29 j 10:42	18° $\text{Y}$ 41'56	6.33388 AU	minimum elong	-11062 Dec 11 j 15:10	4° $\text{Q}$ 00'04	0°54'31
				max. Earth dist.	-11062 Dec 12 j 20:57	4° $\text{Q}$ 17'29	6.06979 AU
conjunction	-11067 Jun 30 j 14:49	18° $\text{Y}$ 57'42	1°15'54	morning rise	-11062 Dec 25 j 06:28	7° $\text{Q}$ 10'59	
minimum elong	-11067 Jun 30 j 14:44	18° $\text{Y}$ 57'39	1°16'03	retrograde	-11061 May 05 j 07:20	27° $\text{Q}$ 03'44	
morning rise	-11067 Jul 13 j 03:02	21° $\text{Y}$ 45'40		min. Earth dist.	-11061 Jul 03 j 05:12	22° $\text{Q}$ 05'37	4.07369 AU
	-11067 Aug 21 j 01:51	0° $\text{Z}$		opposition	-11061 Jul 04 j 01:18	21° $\text{Q}$ 58'45	-1°56'51
retrograde	-11067 Nov 12 j 00:50	9° $\text{Z}$ 13'55		direct	-11061 Aug 31 j 05:50	17° $\text{Q}$ 00'40	
opposition	-11066 Jan 12 j 01:33	4° $\text{Z}$ 22'04	2°14'17		-11061 Dec 07 j 16:24	0° $\text{R}$	
min. Earth dist.	-11066 Jan 12 j 21:04	4° $\text{Z}$ 15'53	4.32300 AU	evening set	-11060 Jan 04 j 01:06	6° $\text{R}$ 09'01	
	-11066 Feb 23 j 11:46	30° $\text{R}$ $\text{Y}$					
direct	-11066 Mar 15 j 09:43	29° $\text{Y}$ 24'20		conjunction	-11060 Jan 17 j 17:26	9° $\text{R}$ 19'06	-1°34'06
	-11066 Apr 04 j 07:03	0° $\text{Z}$		minimum elong	-11060 Jan 17 j 17:22	9° $\text{R}$ 19'03	1°34'27
	-11066 Jul 08 j 04:47	15° $\text{Z}$		max. Earth dist.	-11060 Jan 18 j 21:47	9° $\text{R}$ 35'32	6.08699 AU
evening set	-11066 Jul 19 j 04:01	17° $\text{Z}$ 26'30		morning rise	-11060 Jan 31 j 11:06	12° $\text{R}$ 29'49	
					-11060 Feb 11 j 10:20	15° $\text{R}$	
conjunction	-11066 Jul 31 j 12:52	20° $\text{Z}$ 14'14	1°41'07		-11060 May 04 j 02:35	0° $\text{X}$	
minimum elong	-11066 Jul 31 j 12:50	20° $\text{Z}$ 14'13	1°41'32	retrograde	-11060 Jun 08 j 10:38	1° $\text{X}$ 59'20	
max. Earth dist.	-11066 Jul 30 j 13:27	20° $\text{Z}$ 00'58	6.30037 AU		-11060 Jul 13 j 08:25	30° $\text{R}$ $\text{R}$	
morning rise	-11066 Aug 12 j 21:03	23° $\text{Z}$ 01'42		opposition	-11060 Aug 06 j 12:41	26° $\text{R}$ 55'38	-2°30'58
	-11066 Sep 14 j 01:02	0° $\text{I}$		min. Earth dist.	-11060 Aug 05 j 22:56	27° $\text{R}$ 00'21	4.11268 AU
retrograde	-11066 Dec 15 j 05:01	10° $\text{I}$ 59'05		direct	-11060 Oct 04 j 07:36	21° $\text{R}$ 54'13	
opposition	-11065 Feb 14 j 17:17	6° $\text{I}$ 05'25	2°31'04		-11060 Dec 18 j 20:15	0° $\text{X}$	
min. Earth dist.	-11065 Feb 15 j 05:38	6° $\text{I}$ 01'30	4.27253 AU	evening set	-11059 Feb 09 j 00:24	11° $\text{X}$ 03'29	
direct	-11065 Apr 17 j 07:07	1° $\text{I}$ 10'32					
evening set	-11065 Aug 19 j 11:27	19° $\text{I}$ 16'19		conjunction	-11059 Feb 22 j 17:15	14° $\text{X}$ 11'15	-1°39'27
				minimum elong	-11059 Feb 22 j 17:17	14° $\text{X}$ 11'16	1°40'02
conjunction	-11065 Aug 31 j 21:12	22° $\text{I}$ 06'50	1°36'25	max. Earth dist.	-11059 Feb 23 j 08:44	14° $\text{X}$ 20'06	6.14356 AU
minimum elong	-11065 Aug 31 j 21:15	22° $\text{I}$ 06'52	1°37'01	morning rise	-11059 Mar 08 j 09:28	17° $\text{X}$ 18'33	
max. Earth dist.	-11065 Aug 31 j 11:44	22° $\text{I}$ 01'24	6.23669 AU		-11059 May 09 j 00:29	0° $\text{Z}$	
morning rise	-11065 Sep 13 j 07:54	24° $\text{I}$ 58'03		retrograde	-11059 Jul 12 j 03:57	6° $\text{Z}$ 05'00	
	-11065 Oct 05 j 21:25	0° $\text{E}$		opposition	-11059 Sep 09 j 02:32	1° $\text{Z}$ 04'28	-2°11'42
retrograde	-11064 Jan 18 j 15:35	13° $\text{E}$ 35'55		min. Earth dist.	-11059 Sep 08 j 21:43	1° $\text{Z}$ 06'06	4.18140 AU
opposition	-11064 Mar 20 j 05:45	8° $\text{E}$ 39'05	2°01'24		-11059 Sep 17 j 02:01	30° $\text{R}$ $\text{X}$	
min. Earth dist.	-11064 Mar 20 j 07:26	8° $\text{E}$ 38'33	4.19964 AU	direct	-11059 Nov 07 j 22:27	26° $\text{X}$ 00'46	
direct	-11064 May 19 j 16:26	3° $\text{E}$ 45'59			-11059 Dec 29 j 21:33	0° $\text{Z}$	
evening set	-11064 Sep 19 j 17:02	22° $\text{E}$ 02'40		evening set	-11058 Mar 16 j 21:09	14° $\text{Z}$ 56'44	
conjunction	-11064 Oct 02 j 09:57	24° $\text{E}$ 59'35	1°01'13	conjunction	-11058 Mar 30 j 11:21	18° $\text{Z}$ 00'22	-1°10'36
minimum elong	-11064 Oct 02 j 10:02	24° $\text{E}$ 59'38	1°01'46	minimum elong	-11058 Mar 30 j 11:26	18° $\text{Z}$ 00'26	1°11'11
max. Earth dist.	-11064 Oct 02 j 15:13	25° $\text{E}$ 02'38	6.16131 AU	max. Earth dist.	-11058 Mar 30 j 08:38	17° $\text{Z}$ 58'50	6.21930 AU
morning rise	-11064 Oct 15 j 05:51	27° $\text{E}$ 58'06		morning rise	-11058 Apr 12 j 23:15	21° $\text{Z}$ 02'42	
	-11064 Oct 24 j 02:32	0° $\text{O}$			-11058 May 25 j 03:42	0° $\text{Z}$	
	-11063 Jan 14 j 01:48	15° $\text{O}$		retrograde	-11058 Aug 13 j 18:47	9° $\text{Z}$ 03'30	
retrograde	-11063 Feb 22 j 04:35	17° $\text{O}$ 17'04		opposition	-11058 Oct 11 j 21:58	4° $\text{Z}$ 06'48	-1°09'57
	-11063 Apr 02 j 08:05	15° $\text{R}$ $\text{O}$		min. Earth dist.	-11058 Oct 12 j 05:13	4° $\text{Z}$ 04'23	4.25628 AU
opposition	-11063 Apr 24 j 10:10	12° $\text{O}$ 16'24	0°50'37		-11058 Nov 17 j 06:10	30° $\text{R}$ $\text{Z}$	
min. Earth dist.	-11063 Apr 23 j 23:48	12° $\text{O}$ 19'47	4.12667 AU	direct	-11058 Dec 12 j 00:36	29° $\text{Z}$ 02'34	
direct	-11063 Jun 22 j 15:49	7° $\text{O}$ 23'18			-11057 Jan 06 j 01:05	0° $\text{Z}$	
	-11063 Sep 02 j 17:44	15° $\text{O}$			-11057 Apr 08 j 02:31	15° $\text{Z}$	
evening set	-11063 Oct 23 j 12:18	25° $\text{O}$ 57'18		evening set	-11057 Apr 20 j 02:36	17° $\text{Z}$ 38'13	
conjunction	-11063 Nov 05 j 15:47	29° $\text{O}$ 01'38	0°04'42	conjunction	-11057 May 03 j 10:40	20° $\text{Z}$ 36'38	-0°19'45
minimum elong	-11063 Nov 05 j 15:48	29° $\text{O}$ 01'38	0°05'03	minimum elong	-11057 May 03 j 10:42	20° $\text{Z}$ 36'39	0°20'10
behind sun begin	-11063 Nov 05 j 07:50	28° $\text{O}$ 57'00		max. Earth dist.	-11057 May 02 j 17:09	20° $\text{Z}$ 26'51	6.28843 AU
behind sun end	-11063 Nov 05 j 23:45	29° $\text{O}$ 06'16		morning rise	-11057 May 16 j 15:11	23° $\text{Z}$ 33'14	
max. Earth dist.	-11063 Nov 06 j 13:57	29° $\text{O}$ 14'36	6.09822 AU		-11057 Jun 15 j 15:18	0° $\text{X}$	
	-11063 Nov 09 j 19:29	0° $\text{P}$		retrograde	-11057 Sep 14 j 13:13	11° $\text{X}$ 01'53	
morning rise	-11063 Nov 18 j 22:43	2° $\text{P}$ 07'53		asc. node	-11057 Sep 19 j 16:24	10° $\text{X}$ 59'18	
desc. node	-11063 Dec 06 j 00:04	6° $\text{P}$ 02'05		opposition	-11057 Nov 13 j 07:23	6° $\text{X}$ 08'21	0°11'30
retrograde	-11062 Mar 30 j 09:03	21° $\text{P}$ 55'44		min. Earth dist.	-11057 Nov 13 j 22:36	6° $\text{X}$ 03'24	4.31379 AU
opposition	-11062 May 29 j 21:03	16° $\text{P}$ 51'59	-0°39'50	direct	-11056 Jan 14 j 08:20	1° $\text{X}$ 05'23	
min. Earth dist.	-11062 May 29 j 03:14	16° $\text{P}$ 57'57	4.07893 AU	evening set	-11056 May 21 j 19:04	19° $\text{X}$ 22'21	
direct	-11062 Jul 27 j 06:21	11° $\text{P}$ 57'04					
	-11062 Nov 24 j 11:36	0° $\text{Q}$		conjunction	-11056 Jun 03 j 17:47	22° $\text{X}$ 15'12	0°36'10

Attention, astronomical year style is used: The year -11056 in astronomical counting style is the year 11057 BCE in historical counting style.

minimum elong	-11056 Jun 03 j 17:44	22° $\text{H}$ 15'11	0°36'02	opposition	-11050 Jun 03 j 18:01	21° $\text{H}$ 47'58	-0°52'01
max. Earth dist.	-11056 Jun 02 j 14:50	22° $\text{H}$ 00'10	6.33011 AU	min. Earth dist.	-11050 Jun 02 j 22:54	21° $\text{H}$ 54'23	4.07415 AU
morning rise	-11056 Jun 16 j 13:14	25° $\text{H}$ 06'24		direct	-11050 Aug 01 j 01:07	16° $\text{H}$ 52'37	
	-11056 Jul 09 j 02:57	0° $\text{Y}$			-11050 Nov 07 j 12:17	0° $\text{A}$	
retrograde	-11056 Oct 15 j 07:47	12° $\text{Y}$ 24'47		evening set	-11050 Dec 03 j 04:10	5° $\text{A}$ 49'30	
opposition	-11056 Dec 14 j 18:20	7° $\text{Y}$ 32'57	1°28'12				
min. Earth dist.	-11056 Dec 15 j 14:47	7° $\text{Y}$ 26'24	4.33724 AU	conjunction	-11050 Dec 16 j 17:07	8° $\text{A}$ 59'11	-1°01'36
direct	-11055 Feb 15 j 06:51	2° $\text{Y}$ 32'31		minimum elong	-11050 Dec 16 j 17:01	8° $\text{A}$ 59'08	1°01'38
evening set	-11055 Jun 22 j 09:08	20° $\text{Y}$ 37'33		max. Earth dist.	-11050 Dec 17 j 23:53	9° $\text{A}$ 17'11	6.06749 AU
				morning rise	-11050 Dec 30 j 08:52	12° $\text{A}$ 10'22	
conjunction	-11055 Jul 04 j 22:48	23° $\text{Y}$ 26'17	1°20'59		-11049 Apr 04 j 05:43	0° $\text{M}$	
minimum elong	-11055 Jul 04 j 22:43	23° $\text{Y}$ 26'14	1°21'11	retrograde	-11049 May 10 j 07:08	2° $\text{M}$ 02'25	
max. Earth dist.	-11055 Jul 03 j 18:33	23° $\text{Y}$ 10'26	6.33241 AU		-11049 Jun 14 j 22:13	30° $\text{R}$ $\text{A}$	
morning rise	-11055 Jul 17 j 10:12	26° $\text{Y}$ 13'55		opposition	-11049 Jul 08 j 21:12	26° $\text{A}$ 57'26	-2°04'37
	-11055 Aug 03 j 14:10	0° $\text{B}$		min. Earth dist.	-11049 Jul 08 j 02:33	27° $\text{A}$ 03'48	4.07414 AU
retrograde	-11055 Nov 16 j 13:27	13° $\text{B}$ 44'47		direct	-11049 Sep 05 j 03:19	21° $\text{A}$ 58'50	
opposition	-11054 Jan 16 j 17:03	8° $\text{B}$ 52'43	2°19'13		-11049 Nov 18 j 06:41	0° $\text{M}$	
min. Earth dist.	-11054 Jan 17 j 11:10	8° $\text{B}$ 46'58	4.31954 AU	evening set	-11048 Jan 09 j 04:58	11° $\text{M}$ 09'09	
direct	-11054 Mar 19 j 23:07	3° $\text{B}$ 55'21					
	-11054 Jun 21 j 08:52	15° $\text{B}$		conjunction	-11048 Jan 22 j 21:36	14° $\text{M}$ 19'13	-1°37'02
evening set	-11054 Jul 23 j 12:01	21° $\text{B}$ 56'56		minimum elong	-11048 Jan 22 j 21:32	14° $\text{M}$ 19'11	1°37'25
				max. Earth dist.	-11048 Jan 24 j 00:34	14° $\text{M}$ 34'50	6.08991 AU
conjunction	-11054 Aug 04 j 20:37	24° $\text{B}$ 44'43	1°42'21		-11048 Jan 25 j 20:00	15° $\text{M}$	
minimum elong	-11054 Aug 04 j 20:35	24° $\text{B}$ 44'43	1°42'48	morning rise	-11048 Feb 05 j 15:25	17° $\text{M}$ 29'47	
max. Earth dist.	-11054 Aug 03 j 23:58	24° $\text{B}$ 33'01	6.29497 AU		-11048 Apr 05 j 02:36	0° $\text{A}$	
morning rise	-11054 Aug 17 j 04:32	27° $\text{B}$ 32'19		retrograde	-11048 Jun 13 j 05:03	6° $\text{A}$ 55'18	
	-11054 Aug 28 j 04:55	0° $\text{H}$		opposition	-11048 Aug 11 j 06:36	1° $\text{A}$ 51'55	-2°31'25
retrograde	-11054 Dec 19 j 21:54	15° $\text{H}$ 34'05		min. Earth dist.	-11048 Aug 10 j 17:03	1° $\text{A}$ 56'34	4.11793 AU
opposition	-11053 Feb 19 j 11:01	10° $\text{H}$ 40'05	2°29'44		-11048 Aug 25 j 06:00	30° $\text{R}$ $\text{M}$	
min. Earth dist.	-11053 Feb 19 j 22:33	10° $\text{H}$ 36'25	4.26538 AU	direct	-11048 Oct 09 j 02:58	26° $\text{M}$ 50'07	
direct	-11053 Apr 21 j 22:19	5° $\text{H}$ 45'30			-11048 Nov 23 j 06:32	0° $\text{A}$	
evening set	-11053 Aug 23 j 20:56	23° $\text{H}$ 51'39		evening set	-11047 Feb 14 j 03:02	15° $\text{A}$ 59'22	
conjunction	-11053 Sep 05 j 07:09	26° $\text{H}$ 42'46	1°33'15	conjunction	-11047 Feb 27 j 19:42	19° $\text{A}$ 06'46	-1°37'16
minimum elong	-11053 Sep 05 j 07:13	26° $\text{H}$ 42'49	1°33'52	minimum elong	-11047 Feb 27 j 19:45	19° $\text{A}$ 06'48	1°37'51
max. Earth dist.	-11053 Sep 04 j 22:10	26° $\text{H}$ 37'37	6.22825 AU	max. Earth dist.	-11047 Feb 28 j 08:25	19° $\text{A}$ 14'02	6.15073 AU
morning rise	-11053 Sep 17 j 18:55	29° $\text{H}$ 34'46		morning rise	-11047 Mar 13 j 11:37	22° $\text{A}$ 13'38	
	-11053 Sep 19 j 15:09	0° $\text{B}$			-11047 Apr 18 j 03:51	0° $\text{B}$	
retrograde	-11052 Jan 23 j 11:26	18° $\text{B}$ 17'53		retrograde	-11047 Jul 16 j 20:54	10° $\text{B}$ 54'30	
opposition	-11052 Mar 25 j 01:19	13° $\text{B}$ 20'29	1°53'45	opposition	-11047 Sep 13 j 18:43	5° $\text{B}$ 54'28	-2°05'07
min. Earth dist.	-11052 Mar 25 j 00:57	13° $\text{B}$ 20'36	4.19034 AU	min. Earth dist.	-11047 Sep 13 j 16:05	5° $\text{B}$ 55'22	4.18969 AU
direct	-11052 May 24 j 07:30	8° $\text{B}$ 27'26		direct	-11047 Nov 12 j 19:25	0° $\text{B}$ 50'37	
evening set	-11052 Sep 24 j 06:12	26° $\text{B}$ 45'45		evening set	-11046 Mar 21 j 19:34	19° $\text{B}$ 44'38	
conjunction	-11052 Oct 07 j 00:38	29° $\text{B}$ 43'41	0°54'21	conjunction	-11046 Apr 04 j 09:19	22° $\text{B}$ 47'43	-1°04'22
minimum elong	-11052 Oct 07 j 00:43	29° $\text{B}$ 43'44	0°54'55	minimum elong	-11046 Apr 04 j 09:25	22° $\text{B}$ 47'46	1°04'57
max. Earth dist.	-11052 Oct 07 j 09:16	29° $\text{B}$ 48'42	6.15217 AU	max. Earth dist.	-11046 Apr 04 j 06:02	22° $\text{B}$ 45'51	6.22845 AU
	-11052 Oct 08 j 04:40	0° $\text{O}$		morning rise	-11046 Apr 17 j 20:18	25° $\text{B}$ 49'19	
morning rise	-11052 Oct 19 j 21:53	2° $\text{O}$ 43'16			-11046 May 06 j 20:03	0° $\text{A}$	
	-11052 Dec 17 j 05:18	15° $\text{O}$		retrograde	-11046 Aug 18 j 06:26	13° $\text{A}$ 44'51	
retrograde	-11051 Feb 27 j 04:17	22° $\text{O}$ 06'57		opposition	-11046 Oct 16 j 12:23	8° $\text{A}$ 48'38	-0°59'03
opposition	-11051 Apr 29 j 07:14	17° $\text{O}$ 05'48	0°38'40	min. Earth dist.	-11046 Oct 16 j 19:34	8° $\text{A}$ 46'15	4.26563 AU
min. Earth dist.	-11051 Apr 28 j 20:26	17° $\text{O}$ 09'21	4.11829 AU	direct	-11046 Dec 16 j 17:50	3° $\text{A}$ 44'32	
	-11051 May 15 j 19:24	15° $\text{R}$ $\text{O}$			-11045 Mar 21 j 14:30	15° $\text{A}$	
direct	-11051 Jun 27 j 09:43	12° $\text{O}$ 12'33		evening set	-11045 Apr 24 j 19:51	22° $\text{A}$ 17'09	
	-11051 Aug 08 j 05:32	15° $\text{O}$		max. Earth dist.	-11045 May 07 j 07:14	25° $\text{A}$ 03'54	6.29756 AU
desc. node	-11051 Oct 16 j 08:20	28° $\text{O}$ 03'43					
	-11051 Oct 24 j 18:38	0° $\text{H}$		conjunction	-11045 May 08 j 02:35	25° $\text{A}$ 14'42	-0°11'47
evening set	-11051 Oct 28 j 07:23	0° $\text{H}$ 49'12		minimum elong	-11045 May 08 j 02:36	25° $\text{A}$ 14'42	0°12'09
				behind sun begin	-11045 May 07 j 21:09	25° $\text{A}$ 11'40	
conjunction	-11051 Nov 10 j 12:04	3° $\text{H}$ 54'24	-0°03'55	behind sun end	-11045 May 08 j 08:03	25° $\text{A}$ 17'44	
minimum elong	-11051 Nov 10 j 12:03	3° $\text{H}$ 54'23	0°03'37	morning rise	-11045 May 21 j 06:00	28° $\text{A}$ 10'27	
behind sun begin	-11051 Nov 10 j 03:54	3° $\text{H}$ 49'38			-11045 May 29 j 12:41	0° $\text{H}$	
behind sun end	-11051 Nov 10 j 20:12	3° $\text{H}$ 59'08		asc. node	-11045 Jul 30 j 02:14	11° $\text{H}$ 40'46	
max. Earth dist.	-11051 Nov 11 j 10:09	4° $\text{H}$ 07'19	6.09128 AU	retrograde	-11045 Sep 19 j 01:24	15° $\text{H}$ 35'37	
morning rise	-11051 Nov 23 j 20:34	7° $\text{H}$ 01'36		opposition	-11045 Nov 17 j 21:11	10° $\text{H}$ 42'24	0°23'06
retrograde	-11050 Apr 04 j 07:27	26° $\text{H}$ 52'04		min. Earth dist.	-11045 Nov 18 j 13:45	10° $\text{H}$ 37'01	4.32196 AU

Attention, astronomical year style is used: The year -11044 in astronomical counting style is the year 11045 BCE in historical counting style.

direct	-11044 Jan 19 j 02:07	5° $\text{H}$ 39'44		behind sun end	-11039 Nov 15 j 13:55	8° $\text{H}$ 48'19	
evening set	-11044 May 26 j 06:50	23° $\text{H}$ 53'21		max. Earth dist.	-11039 Nov 16 j 08:31	8° $\text{H}$ 59'14	6.08217 AU
max. Earth dist.	-11044 Jun 07 j 01:46	26° $\text{H}$ 30'36	6.33662 AU	morning rise	-11039 Nov 28 j 18:00	11° $\text{H}$ 53'12	
					-11038 Mar 06 j 08:52	0° $\text{H}$	
conjunction	-11044 Jun 08 j 04:16	26° $\text{H}$ 45'22	0°43'25	retrograde	-11038 Apr 09 j 08:17	1° $\text{H}$ 47'11	
minimum elong	-11044 Jun 08 j 04:12	26° $\text{H}$ 45'20	0°43'20		-11038 May 12 j 23:27	30° $\text{R}$ $\text{H}$	
morning rise	-11044 Jun 20 j 22:19	29° $\text{H}$ 35'44		opposition	-11038 Jun 08 j 14:16	26° $\text{H}$ 42'53	-1°03'43
	-11044 Jun 22 j 18:11	0° $\text{Y}$		min. Earth dist.	-11038 Jun 07 j 19:47	26° $\text{H}$ 49'08	4.06732 AU
retrograde	-11044 Oct 19 j 17:11	16° $\text{Y}$ 53'09		direct	-11038 Aug 05 j 20:36	21° $\text{H}$ 47'11	
opposition	-11044 Dec 19 j 07:52	12° $\text{Y}$ 01'21	1°37'10		-11038 Oct 19 j 13:02	0° $\text{H}$	
min. Earth dist.	-11044 Dec 20 j 03:14	11° $\text{Y}$ 55'10	4.34178 AU	evening set	-11038 Dec 08 j 05:31	10° $\text{H}$ 48'13	
direct	-11043 Feb 19 j 19:59	7° $\text{Y}$ 01'20					
evening set	-11043 Jun 26 j 17:14	25° $\text{Y}$ 03'43		conjunction	-11038 Dec 21 j 19:17	13° $\text{H}$ 58'27	-1°08'10
max. Earth dist.	-11043 Jul 08 j 02:19	27° $\text{Y}$ 36'28	6.33447 AU	minimum elong	-11038 Dec 21 j 19:11	13° $\text{H}$ 58'23	1°08'16
				max. Earth dist.	-11038 Dec 23 j 02:02	14° $\text{H}$ 16'25	6.06353 AU
conjunction	-11043 Jul 09 j 05:43	27° $\text{Y}$ 51'50	1°25'31	morning rise	-11037 Jan 04 j 11:50	17° $\text{H}$ 10'05	
minimum elong	-11043 Jul 09 j 05:39	27° $\text{Y}$ 51'48	1°25'45		-11037 Mar 06 j 02:47	0° $\text{H}$	
	-11043 Jul 18 j 18:19	0° $\text{H}$		retrograde	-11037 May 15 j 05:17	7° $\text{H}$ 01'50	
morning rise	-11043 Jul 21 j 16:11	0° $\text{H}$ 39'00		opposition	-11037 Jul 13 j 17:02	1° $\text{H}$ 56'57	-2°11'25
	-11043 Oct 05 j 12:38	15° $\text{H}$		min. Earth dist.	-11037 Jul 12 j 21:44	2° $\text{H}$ 03'34	4.07384 AU
retrograde	-11043 Nov 21 j 02:13	18° $\text{H}$ 11'25			-11037 Jul 28 j 08:55	30° $\text{R}$ $\text{H}$	
	-11042 Jan 07 j 17:40	15° $\text{R}$ $\text{H}$		direct	-11037 Sep 09 j 22:22	26° $\text{H}$ 57'56	
opposition	-11042 Jan 21 j 07:17	13° $\text{H}$ 19'14	2°23'11		-11037 Oct 23 j 12:24	0° $\text{H}$	
min. Earth dist.	-11042 Jan 22 j 01:45	13° $\text{H}$ 13'23	4.31887 AU		-11036 Jan 09 j 06:22	15° $\text{H}$	
direct	-11042 Mar 24 j 13:08	8° $\text{H}$ 22'17		evening set	-11036 Jan 14 j 09:28	16° $\text{H}$ 10'34	
	-11042 Jun 02 j 06:32	15° $\text{H}$					
evening set	-11042 Jul 27 j 18:23	26° $\text{H}$ 22'27		conjunction	-11036 Jan 28 j 02:18	19° $\text{H}$ 20'35	-1°39'13
max. Earth dist.	-11042 Aug 08 j 06:02	28° $\text{H}$ 58'30	6.29145 AU	minimum elong	-11036 Jan 28 j 02:15	19° $\text{H}$ 20'33	1°39'38
				max. Earth dist.	-11036 Jan 29 j 03:34	19° $\text{H}$ 35'12	6.09317 AU
conjunction	-11042 Aug 09 j 02:41	29° $\text{H}$ 10'14	1°42'56	morning rise	-11036 Feb 10 j 20:08	22° $\text{H}$ 30'57	
minimum elong	-11042 Aug 09 j 02:40	29° $\text{H}$ 10'13	1°43'26		-11036 Mar 15 j 15:03	0° $\text{H}$	
	-11042 Aug 12 j 18:20	0° $\text{H}$		retrograde	-11036 Jun 18 j 00:38	11° $\text{H}$ 52'10	
morning rise	-11042 Aug 21 j 10:44	1° $\text{H}$ 58'00		opposition	-11036 Aug 16 j 00:43	6° $\text{H}$ 49'07	-2°30'45
retrograde	-11042 Dec 24 j 11:49	20° $\text{H}$ 03'37		min. Earth dist.	-11036 Aug 15 j 12:43	6° $\text{H}$ 53'14	4.12439 AU
opposition	-11041 Feb 24 j 02:33	15° $\text{H}$ 09'13	2°27'29	direct	-11036 Oct 14 j 01:00	1° $\text{H}$ 46'56	
min. Earth dist.	-11041 Feb 24 j 12:19	15° $\text{H}$ 06'07	4.25920 AU	evening set	-11035 Feb 19 j 05:34	20° $\text{H}$ 55'24	
direct	-11041 Apr 26 j 09:36	10° $\text{H}$ 14'54					
evening set	-11041 Aug 28 j 04:20	28° $\text{H}$ 21'24		conjunction	-11035 Mar 04 j 22:12	24° $\text{H}$ 02'24	-1°34'22
	-11041 Sep 04 j 08:17	0° $\text{H}$		minimum elong	-11035 Mar 04 j 22:16	24° $\text{H}$ 02'26	1°34'58
conjunction	-11041 Sep 09 j 15:25	1° $\text{H}$ 13'12	1°29'35	max. Earth dist.	-11035 Mar 05 j 10:36	24° $\text{H}$ 09'28	6.15994 AU
minimum elong	-11041 Sep 09 j 15:29	1° $\text{H}$ 13'14	1°30'11	morning rise	-11035 Mar 18 j 13:30	27° $\text{H}$ 08'37	
max. Earth dist.	-11041 Sep 09 j 09:02	1° $\text{H}$ 09'31	6.22002 AU		-11035 Mar 31 j 07:22	0° $\text{H}$	
morning rise	-11041 Sep 22 j 04:00	4° $\text{H}$ 05'57		retrograde	-11035 Jul 21 j 11:10	15° $\text{H}$ 42'53	
retrograde	-11040 Jan 28 j 06:52	22° $\text{H}$ 54'26		opposition	-11035 Sep 18 j 10:04	10° $\text{H}$ 43'21	-1°57'42
opposition	-11040 Mar 29 j 18:56	17° $\text{H}$ 56'36	1°45'31	min. Earth dist.	-11035 Sep 18 j 07:48	10° $\text{H}$ 44'07	4.20054 AU
min. Earth dist.	-11040 Mar 29 j 18:29	17° $\text{H}$ 56'45	4.18039 AU	direct	-11035 Nov 17 j 14:18	5° $\text{H}$ 39'20	
direct	-11040 May 28 j 21:54	13° $\text{H}$ 03'39		evening set	-11034 Mar 26 j 16:47	24° $\text{H}$ 30'16	
	-11040 Sep 22 j 15:55	0° $\text{H}$					
evening set	-11040 Sep 28 j 18:09	1° $\text{H}$ 24'16		conjunction	-11034 Apr 09 j 05:38	27° $\text{H}$ 32'34	-0°57'46
				minimum elong	-11034 Apr 09 j 05:43	27° $\text{H}$ 32'37	0°58'20
conjunction	-11040 Oct 11 j 13:49	4° $\text{H}$ 23'15	0°47'16	max. Earth dist.	-11034 Apr 08 j 22:54	27° $\text{H}$ 28'47	6.23990 AU
minimum elong	-11040 Oct 11 j 13:53	4° $\text{H}$ 23'17	0°47'48		-11034 Apr 20 j 04:10	0° $\text{H}$	
max. Earth dist.	-11040 Oct 11 j 22:30	4° $\text{H}$ 28'19	6.14152 AU	morning rise	-11034 Apr 22 j 15:52	0° $\text{H}$ 33'22	
morning rise	-11040 Oct 24 j 12:46	7° $\text{H}$ 24'02			-11034 Jul 06 j 22:51	15° $\text{H}$	
	-11040 Nov 27 j 16:47	15° $\text{H}$		retrograde	-11034 Aug 22 j 18:37	18° $\text{H}$ 23'03	
retrograde	-11039 Mar 04 j 00:30	26° $\text{H}$ 53'07			-11034 Oct 09 j 04:29	15° $\text{R}$ $\text{H}$	
opposition	-11039 May 04 j 02:20	21° $\text{H}$ 51'33	0°26'39	opposition	-11034 Oct 21 j 01:41	13° $\text{H}$ 27'16	-0°47'54
min. Earth dist.	-11039 May 03 j 13:44	21° $\text{H}$ 55'42	4.10785 AU	min. Earth dist.	-11034 Oct 21 j 10:56	13° $\text{H}$ 24'12	4.27630 AU
direct	-11039 Jul 02 j 00:27	16° $\text{H}$ 58'08		direct	-11034 Dec 21 j 12:14	8° $\text{H}$ 23'09	
desc. node	-11039 Aug 27 j 22:31	21° $\text{H}$ 57'21			-11033 Mar 01 j 11:34	15° $\text{H}$	
	-11039 Oct 08 j 06:24	0° $\text{H}$		evening set	-11033 Apr 29 j 10:43	26° $\text{H}$ 52'15	
evening set	-11039 Nov 02 j 02:06	5° $\text{H}$ 38'48					
conjunction	-11039 Nov 15 j 08:18	8° $\text{H}$ 45'02	-0°12'14	conjunction	-11033 May 12 j 16:23	29° $\text{H}$ 48'57	-0°03'51
minimum elong	-11039 Nov 15 j 08:17	8° $\text{H}$ 45'01	0°11'58	minimum elong	-11033 May 12 j 16:24	29° $\text{H}$ 48'57	0°04'12
behind sun begin	-11039 Nov 15 j 02:38	8° $\text{H}$ 41'43		behind sun begin	-11033 May 12 j 08:24	29° $\text{H}$ 44'31	
				behind sun end	-11033 May 13 j 00:24	29° $\text{H}$ 53'24	
				max. Earth dist.	-11033 May 11 j 20:49	29° $\text{H}$ 38'02	6.30649 AU



Attention, astronomical year style is used: The year -11033 in astronomical counting style is the year 11034 BCE in historical counting style.

	-11033 May 13 j 12:13	0° $\text{H}$		direct	-11027 Jul 06 j 22:23	21° $\text{Q}$ 55'54	
morning rise	-11033 May 25 j 18:23	2° $\text{H}$ 43'48		desc. node	-11027 Jul 08 j 01:02	21° $\text{Q}$ 56'02	
asc. node	-11033 Jun 08 j 10:59	5° $\text{H}$ 43'48			-11027 Sep 19 j 01:32	0° $\text{H}$	
retrograde	-11033 Sep 23 j 10:02	20° $\text{H}$ 05'55		evening set	-11027 Nov 07 j 01:52	10° $\text{H}$ 39'43	
opposition	-11033 Nov 22 j 09:20	15° $\text{H}$ 12'59	0°34'26				
min. Earth dist.	-11033 Nov 23 j 01:52	15° $\text{H}$ 07'38	4.32843 AU	conjunction	-11027 Nov 20 j 09:19	13° $\text{H}$ 46'44	-0°20'50
direct	-11032 Jan 23 j 15:24	10° $\text{H}$ 10'35		minimum elong	-11027 Nov 20 j 09:16	13° $\text{H}$ 46'42	0°20'36
evening set	-11032 May 30 j 17:18	28° $\text{H}$ 21'43		max. Earth dist.	-11027 Nov 21 j 11:30	14° $\text{H}$ 02'05	6.07713 AU
	-11032 Jun 07 j 02:19	0° $\text{Y}$		morning rise	-11027 Dec 03 j 20:22	16° $\text{H}$ 55'40	
max. Earth dist.	-11032 Jun 11 j 08:49	0° $\text{Y}$ 57'08	6.33990 AU		-11026 Feb 03 j 18:31	0° $\text{Q}$	
				retrograde	-11026 Apr 14 j 09:49	6° $\text{Q}$ 50'46	
conjunction	-11032 Jun 12 j 13:11	1° $\text{Y}$ 12'58	0°50'23	opposition	-11026 Jun 13 j 13:44	1° $\text{Q}$ 46'16	-1°15'18
minimum elong	-11032 Jun 12 j 13:07	1° $\text{Y}$ 12'55	0°50'20	min. Earth dist.	-11026 Jun 12 j 17:29	1° $\text{Q}$ 53'06	4.06704 AU
morning rise	-11032 Jun 25 j 06:07	4° $\text{Y}$ 02'41			-11026 Jun 26 j 23:45	30° $\text{R}$ $\text{H}$	
retrograde	-11032 Oct 24 j 05:14	21° $\text{Y}$ 20'31		direct	-11026 Aug 10 j 17:57	26° $\text{H}$ 50'12	
opposition	-11032 Dec 23 j 20:55	16° $\text{Y}$ 28'46	1°45'37		-11026 Sep 24 j 01:53	0° $\text{Q}$	
min. Earth dist.	-11032 Dec 24 j 17:38	16° $\text{Y}$ 22'10	4.34172 AU	evening set	-11026 Dec 13 j 09:54	15° $\text{Q}$ 52'42	
direct	-11031 Feb 24 j 10:04	11° $\text{Y}$ 29'04					
evening set	-11031 Jul 01 j 01:01	29° $\text{Y}$ 30'30		conjunction	-11026 Dec 27 j 00:13	19° $\text{Q}$ 02'57	-1°14'22
	-11031 Jul 03 j 05:54	0° $\text{R}$		minimum elong	-11026 Dec 27 j 00:07	19° $\text{Q}$ 02'53	1°14'31
max. Earth dist.	-11031 Jul 12 j 09:47	2° $\text{R}$ 03'14	6.33081 AU	max. Earth dist.	-11026 Dec 28 j 07:08	19° $\text{Q}$ 21'00	6.06793 AU
				morning rise	-11025 Jan 09 j 17:09	22° $\text{Q}$ 14'28	
conjunction	-11031 Jul 13 j 12:42	2° $\text{R}$ 18'21	1°29'37		-11025 Feb 13 j 12:11	0° $\text{R}$	
minimum elong	-11031 Jul 13 j 12:37	2° $\text{R}$ 18'18	1°29'53	retrograde	-11025 May 20 j 02:50	12° $\text{R}$ 02'06	
morning rise	-11031 Jul 25 j 22:25	5° $\text{R}$ 05'19		opposition	-11025 Jul 18 j 13:16	6° $\text{R}$ 57'17	-2°17'13
	-11031 Sep 11 j 15:08	15° $\text{R}$		min. Earth dist.	-11025 Jul 17 j 18:45	7° $\text{R}$ 03'38	4.08262 AU
retrograde	-11031 Nov 25 j 15:00	22° $\text{R}$ 41'23		direct	-11025 Sep 14 j 21:33	1° $\text{R}$ 57'47	
opposition	-11030 Jan 25 j 22:38	17° $\text{R}$ 48'57	2°26'29		-11025 Dec 23 j 00:55	15° $\text{R}$	
min. Earth dist.	-11030 Jan 26 j 15:36	17° $\text{R}$ 43'35	4.31209 AU	evening set	-11024 Jan 19 j 13:05	21° $\text{R}$ 09'00	
	-11030 Feb 18 j 15:48	15° $\text{R}$ $\text{R}$					
direct	-11030 Mar 29 j 00:44	12° $\text{R}$ 52'23		conjunction	-11024 Feb 02 j 06:07	24° $\text{R}$ 18'30	-1°40'40
	-11030 May 06 j 02:06	15° $\text{R}$		minimum elong	-11024 Feb 02 j 06:05	24° $\text{R}$ 18'28	1°41'09
	-11030 Jul 28 j 03:57	0° $\text{II}$		max. Earth dist.	-11024 Feb 03 j 07:31	24° $\text{R}$ 33'09	6.10548 AU
evening set	-11030 Aug 01 j 02:26	0° $\text{II}$ 53'10		morning rise	-11024 Feb 15 j 23:34	27° $\text{R}$ 28'08	
					-11024 Feb 27 j 03:06	0° $\text{R}$	
conjunction	-11030 Aug 13 j 10:40	3° $\text{II}$ 41'16	1°42'57	retrograde	-11024 Jun 22 j 16:25	16° $\text{R}$ 41'27	
minimum elong	-11030 Aug 13 j 10:40	3° $\text{II}$ 41'16	1°43'29	opposition	-11024 Aug 20 j 16:13	11° $\text{R}$ 38'50	-2°28'58
max. Earth dist.	-11030 Aug 12 j 15:47	3° $\text{II}$ 30'31	6.28198 AU	min. Earth dist.	-11024 Aug 20 j 05:04	11° $\text{R}$ 42'39	4.13898 AU
morning rise	-11030 Aug 25 j 18:53	6° $\text{II}$ 29'30		direct	-11024 Oct 18 j 19:46	6° $\text{R}$ 36'20	
retrograde	-11030 Dec 29 j 07:45	24° $\text{II}$ 41'04		evening set	-11023 Feb 24 j 03:55	25° $\text{R}$ 41'01	
opposition	-11029 Feb 28 j 21:23	19° $\text{II}$ 46'15	2°24'21				
min. Earth dist.	-11029 Mar 01 j 06:58	19° $\text{II}$ 43'13	4.24757 AU	conjunction	-11023 Mar 09 j 20:00	28° $\text{R}$ 47'10	-1°30'57
direct	-11029 May 01 j 01:43	14° $\text{II}$ 52'12		minimum elong	-11023 Mar 09 j 20:04	28° $\text{R}$ 47'12	1°31'33
	-11029 Aug 19 j 08:24	0° $\text{Q}$		max. Earth dist.	-11023 Mar 10 j 04:09	28° $\text{R}$ 51'47	6.17537 AU
evening set	-11029 Sep 01 j 15:37	3° $\text{Q}$ 00'45			-11023 Mar 15 j 04:10	0° $\text{Q}$	
				morning rise	-11023 Mar 23 j 10:51	1° $\text{Q}$ 52'29	
conjunction	-11029 Sep 14 j 03:36	5° $\text{Q}$ 53'29	1°25'15	retrograde	-11023 Jul 25 j 21:19	20° $\text{Q}$ 18'39	
minimum elong	-11029 Sep 14 j 03:41	5° $\text{Q}$ 53'32	1°25'51	opposition	-11023 Sep 22 j 21:12	15° $\text{Q}$ 19'38	-1°49'48
max. Earth dist.	-11029 Sep 13 j 22:25	5° $\text{Q}$ 50'30	6.20734 AU	min. Earth dist.	-11023 Sep 22 j 21:16	15° $\text{Q}$ 19'36	4.21519 AU
morning rise	-11029 Sep 26 j 17:30	8° $\text{Q}$ 47'21		direct	-11023 Nov 22 j 06:53	10° $\text{Q}$ 15'26	
retrograde	-11028 Feb 02 j 04:36	27° $\text{Q}$ 42'27		evening set	-11022 Mar 31 j 08:11	29° $\text{Q}$ 02'14	
opposition	-11028 Apr 03 j 16:44	22° $\text{Q}$ 44'06	1°36'17		-11022 Apr 04 j 15:41	0° $\text{Q}$	
min. Earth dist.	-11028 Apr 03 j 13:37	22° $\text{Q}$ 45'06	4.16771 AU				
direct	-11028 Jun 02 j 14:09	17° $\text{Q}$ 51'13		conjunction	-11022 Apr 13 j 20:22	2° $\text{Q}$ 03'42	-0°51'06
	-11028 Sep 05 j 16:38	0° $\text{Q}$		minimum elong	-11022 Apr 13 j 20:27	2° $\text{Q}$ 03'45	0°51'38
evening set	-11028 Oct 03 j 11:10	6° $\text{Q}$ 15'01		max. Earth dist.	-11022 Apr 13 j 11:57	1° $\text{Q}$ 58'59	6.25275 AU
				morning rise	-11022 Apr 27 j 05:27	5° $\text{Q}$ 03'34	
conjunction	-11028 Oct 16 j 08:26	9° $\text{Q}$ 15'11	0°39'33		-11022 Jun 13 j 22:29	15° $\text{Q}$	
minimum elong	-11028 Oct 16 j 08:30	9° $\text{Q}$ 15'13	0°40'04	retrograde	-11022 Aug 27 j 00:59	22° $\text{Q}$ 47'43	
max. Earth dist.	-11028 Oct 16 j 20:31	9° $\text{Q}$ 22'14	6.13027 AU	opposition	-11022 Oct 25 j 10:01	17° $\text{Q}$ 52'28	-0°37'00
morning rise	-11028 Oct 29 j 08:53	12° $\text{Q}$ 17'10		min. Earth dist.	-11022 Oct 25 j 20:41	17° $\text{Q}$ 48'56	4.28616 AU
	-11028 Nov 10 j 04:43	15° $\text{Q}$			-11022 Nov 17 j 15:32	15° $\text{R}$ $\text{Q}$	
	-11027 Feb 02 j 03:46	0° $\text{H}$		direct	-11022 Dec 25 j 23:25	12° $\text{Q}$ 48'31	
retrograde	-11027 Mar 09 j 04:05	1° $\text{H}$ 51'29			-11021 Feb 20 j 15:59	15° $\text{Q}$	
	-11027 Apr 13 j 00:10	30° $\text{R}$ $\text{Q}$		asc. node	-11021 Apr 20 j 00:41	28° $\text{Q}$ 13'27	
opposition	-11027 May 09 j 02:24	26° $\text{Q}$ 49'29	0°13'53		-11021 Apr 28 j 04:47	0° $\text{H}$	
min. Earth dist.	-11027 May 08 j 13:07	26° $\text{Q}$ 53'53	4.09914 AU	evening set	-11021 May 03 j 20:38	1° $\text{H}$ 14'49	

Attention, astronomical year style is used: The year -11021 in astronomical counting style is the year 11022 BCE in historical counting style.

max. Earth dist.	-11021 May 16 j 01:26	3° $\text{H}$ 57'38	6.31250 AU	retrograde	-11015 Mar 14 j 06:55	6° $\text{H}$ 54'16	
				min. Earth dist.	-11015 May 13 j 11:48	1° $\text{H}$ 56'57	4.09314 AU
conjunction	-11021 May 17 j 00:59	4° $\text{H}$ 10'46	0°03'53	opposition	-11015 May 14 j 03:23	1° $\text{H}$ 51'47	0°00'49
minimum elong	-11021 May 17 j 00:58	4° $\text{H}$ 10'45	0°03'34	desc. node	-11015 May 17 j 16:48	1° $\text{H}$ 23'30	
behind sun begin	-11021 May 16 j 16:55	4° $\text{H}$ 06'17			-11015 May 28 j 13:26	30° $\text{R}$ 0	
behind sun end	-11021 May 17 j 09:01	4° $\text{H}$ 15'13		direct	-11015 Jul 11 j 19:41	26° $\text{J}$ 57'56	
morning rise	-11021 May 30 j 01:56	7° $\text{H}$ 04'55			-11015 Aug 24 j 08:16	0° $\text{H}$	
retrograde	-11021 Sep 27 j 17:41	24° $\text{H}$ 25'39		evening set	-11015 Nov 12 j 03:14	15° $\text{H}$ 43'55	
opposition	-11021 Nov 26 j 17:52	19° $\text{H}$ 33'01	0°45'06				
min. Earth dist.	-11021 Nov 27 j 12:32	19° $\text{H}$ 26'59	4.33027 AU	conjunction	-11015 Nov 25 j 11:48	18° $\text{H}$ 51'29	-0°29'21
direct	-11020 Jan 28 j 01:54	14° $\text{H}$ 30'53		minimum elong	-11015 Nov 25 j 11:44	18° $\text{H}$ 51'27	0°29'11
	-11020 May 22 j 17:15	0° $\text{Y}$		max. Earth dist.	-11015 Nov 26 j 15:18	19° $\text{H}$ 07'37	6.07502 AU
evening set	-11020 Jun 03 j 23:47	2° $\text{Y}$ 41'22		morning rise	-11015 Dec 08 j 23:56	22° $\text{H}$ 00'57	
					-11014 Jan 13 j 18:03	0° $\text{J}$	
conjunction	-11020 Jun 16 j 18:40	5° $\text{Y}$ 32'13	0°56'47	retrograde	-11014 Apr 19 j 11:16	11° $\text{J}$ 55'46	
minimum elong	-11020 Jun 16 j 18:35	5° $\text{Y}$ 32'10	0°56'48	opposition	-11014 Jun 18 j 13:03	6° $\text{J}$ 50'59	-1°26'23
max. Earth dist.	-11020 Jun 15 j 14:29	5° $\text{Y}$ 16'29	6.33732 AU	min. Earth dist.	-11014 Jun 17 j 16:46	6° $\text{J}$ 57'52	4.06886 AU
morning rise	-11020 Jun 29 j 10:21	8° $\text{Y}$ 21'33		direct	-11014 Aug 15 j 17:34	1° $\text{J}$ 54'25	
retrograde	-11020 Oct 28 j 13:49	25° $\text{Y}$ 42'10		evening set	-11014 Dec 18 j 14:27	20° $\text{J}$ 57'48	
opposition	-11020 Dec 28 j 07:56	20° $\text{Y}$ 50'29	1°53'15				
min. Earth dist.	-11020 Dec 29 j 04:11	20° $\text{Y}$ 44'03	4.33517 AU	conjunction	-11013 Jan 01 j 05:27	24° $\text{J}$ 08'02	-1°20'04
direct	-11019 Feb 28 j 18:46	15° $\text{Y}$ 51'17		minimum elong	-11013 Jan 01 j 05:21	24° $\text{J}$ 07'58	1°20'16
	-11019 Jun 17 j 13:03	0° $\text{Z}$		max. Earth dist.	-11013 Jan 02 j 13:30	24° $\text{J}$ 26'43	6.07322 AU
evening set	-11019 Jul 05 j 07:25	3° $\text{Z}$ 54'02		morning rise	-11013 Jan 14 j 22:34	27° $\text{J}$ 19'20	
					-11013 Jan 26 j 15:03	0° $\text{M}$	
conjunction	-11019 Jul 17 j 18:13	6° $\text{Z}$ 41'55	1°33'04		-11013 Apr 19 j 02:46	15° $\text{M}$	
minimum elong	-11019 Jul 17 j 18:08	6° $\text{Z}$ 41'52	1°33'23	retrograde	-11013 May 25 j 00:50	17° $\text{M}$ 02'28	
max. Earth dist.	-11019 Jul 16 j 14:55	6° $\text{Z}$ 26'32	6.32061 AU		-11013 Jun 29 j 13:18	15° $\text{R}$ $\text{M}$	
morning rise	-11019 Jul 30 j 03:32	9° $\text{Z}$ 29'05		opposition	-11013 Jul 23 j 09:13	11° $\text{M}$ 57'50	-2°22'06
	-11019 Aug 24 j 10:40	15° $\text{Z}$		min. Earth dist.	-11013 Jul 22 j 15:26	12° $\text{M}$ 03'56	4.09102 AU
retrograde	-11019 Nov 30 j 07:08	27° $\text{Z}$ 11'12		direct	-11013 Sep 19 j 19:10	6° $\text{M}$ 57'53	
opposition	-11018 Jan 30 j 14:09	22° $\text{Z}$ 18'35	2°28'52		-11013 Dec 03 j 12:09	15° $\text{M}$	
min. Earth dist.	-11018 Jan 31 j 07:13	22° $\text{Z}$ 13'10	4.29905 AU	evening set	-11012 Jan 24 j 16:55	26° $\text{M}$ 08'05	
direct	-11018 Apr 02 j 13:58	17° $\text{Z}$ 22'25					
	-11018 Jul 11 j 19:46	0° $\text{II}$		conjunction	-11012 Feb 07 j 09:46	29° $\text{M}$ 17'03	-1°41'29
evening set	-11018 Aug 05 j 11:04	5° $\text{II}$ 25'53		minimum elong	-11012 Feb 07 j 09:45	29° $\text{M}$ 17'02	1°41'59
				max. Earth dist.	-11012 Feb 08 j 07:38	29° $\text{M}$ 29'38	6.11594 AU
conjunction	-11018 Aug 17 j 19:36	8° $\text{II}$ 14'41	1°42'17		-11012 Feb 10 j 12:24	0° $\text{J}$	
minimum elong	-11018 Aug 17 j 19:37	8° $\text{II}$ 14'42	1°42'50	morning rise	-11012 Feb 21 j 03:07	2° $\text{J}$ 26'06	
max. Earth dist.	-11018 Aug 17 j 02:48	8° $\text{II}$ 05'06	6.26720 AU	retrograde	-11012 Jun 27 j 08:19	21° $\text{J}$ 32'31	
morning rise	-11018 Aug 30 j 04:16	11° $\text{II}$ 03'42		opposition	-11012 Aug 25 j 08:12	16° $\text{J}$ 30'19	-2°26'18
retrograde	-11017 Jan 03 j 02:58	29° $\text{II}$ 22'53		min. Earth dist.	-11012 Aug 24 j 22:36	16° $\text{J}$ 33'36	4.15057 AU
opposition	-11017 Mar 05 j 17:38	24° $\text{II}$ 27'39	2°20'12	direct	-11012 Oct 23 j 16:24	11° $\text{J}$ 27'26	
min. Earth dist.	-11017 Mar 06 j 00:24	24° $\text{II}$ 25'29	4.23226 AU		-11011 Feb 26 j 22:39	0° $\text{Z}$	
direct	-11017 May 05 j 16:21	19° $\text{II}$ 33'55		evening set	-11011 Mar 01 j 03:16	0° $\text{Z}$ 29'35	
	-11017 Aug 01 j 21:02	0° $\text{E}$					
evening set	-11017 Sep 06 j 04:52	7° $\text{E}$ 45'38		conjunction	-11011 Mar 14 j 19:07	3° $\text{Z}$ 35'07	-1°26'56
				minimum elong	-11011 Mar 14 j 19:12	3° $\text{Z}$ 35'10	1°27'33
conjunction	-11017 Sep 18 j 17:56	10° $\text{E}$ 39'27	1°20'13	max. Earth dist.	-11011 Mar 15 j 01:32	3° $\text{Z}$ 38'45	6.18738 AU
minimum elong	-11017 Sep 18 j 18:01	10° $\text{E}$ 39'30	1°20'49	morning rise	-11011 Mar 28 j 09:11	6° $\text{Z}$ 39'39	
max. Earth dist.	-11017 Sep 18 j 16:00	10° $\text{E}$ 38'20	6.19286 AU	retrograde	-11011 Jul 30 j 10:05	24° $\text{Z}$ 59'00	
morning rise	-11017 Oct 01 j 09:07	13° $\text{E}$ 34'31		opposition	-11011 Sep 27 j 10:05	20° $\text{Z}$ 00'33	-1°41'11
	-11017 Dec 27 j 05:09	0° $\text{J}$		min. Earth dist.	-11011 Sep 27 j 12:01	19° $\text{Z}$ 59'54	4.22642 AU
retrograde	-11016 Feb 07 j 06:57	2° $\text{J}$ 36'40		direct	-11011 Nov 26 j 23:48	14° $\text{Z}$ 56'17	
	-11016 Mar 20 j 14:21	30° $\text{R}$ $\text{E}$			-11010 Mar 19 j 08:22	0° $\text{A}$	
opposition	-11016 Apr 08 j 16:53	27° $\text{E}$ 37'45	1°26'08	evening set	-11010 Apr 05 j 01:54	3° $\text{A}$ 40'06	
min. Earth dist.	-11016 Apr 08 j 12:18	27° $\text{E}$ 39'14	4.15498 AU				
direct	-11016 Jun 07 j 11:22	22° $\text{E}$ 44'53		conjunction	-11010 Apr 18 j 13:09	6° $\text{A}$ 40'50	-0°44'00
	-11016 Aug 16 j 23:52	0° $\text{J}$		minimum elong	-11010 Apr 18 j 13:13	6° $\text{A}$ 40'53	0°44'31
evening set	-11016 Oct 08 j 06:30	11° $\text{J}$ 11'35		max. Earth dist.	-11010 Apr 18 j 01:01	6° $\text{A}$ 34'03	6.26238 AU
				morning rise	-11010 May 01 j 21:24	9° $\text{A}$ 39'57	
conjunction	-11016 Oct 21 j 05:14	14° $\text{J}$ 12'50	0°31'24		-11010 May 26 j 10:35	15° $\text{A}$	
minimum elong	-11016 Oct 21 j 05:17	14° $\text{J}$ 12'52	0°31'52	retrograde	-11010 Aug 31 j 10:52	27° $\text{A}$ 19'45	
max. Earth dist.	-11016 Oct 21 j 20:21	14° $\text{J}$ 21'40	6.12049 AU	opposition	-11010 Oct 29 j 21:41	22° $\text{A}$ 24'54	-0°25'37
	-11016 Oct 24 j 13:57	15° $\text{J}$		min. Earth dist.	-11010 Oct 30 j 09:59	22° $\text{A}$ 20'51	4.29351 AU
morning rise	-11016 Nov 03 j 07:21	17° $\text{J}$ 15'58		direct	-11010 Dec 30 j 14:04	17° $\text{A}$ 21'04	
	-11015 Jan 02 j 18:39	0° $\text{H}$		asc. node	-11009 Feb 28 j 07:46	22° $\text{A}$ 17'13	

Attention, astronomical year style is used: The year -11009 in astronomical counting style is the year 11010 BCE in historical counting style.

	-11009 Apr 11 j 15:02	0° $\text{H}$					-11004 Oct 08 j 13:44	15° $\text{O}$	
evening set	-11009 May 08 j 09:20	5° $\text{H}$ 45'09		evening set	-11004 Oct 12 j 23:50	16° $\text{O}$ 01'25			
conjunction	-11009 May 21 j 12:31	8° $\text{H}$ 40'24	0°11'42	conjunction	-11004 Oct 25 j 23:52	19° $\text{O}$ 03'30	0°23'15		
minimum elong	-11009 May 21 j 12:30	8° $\text{H}$ 40'23	0°11'26	minimum elong	-11004 Oct 25 j 23:55	19° $\text{O}$ 03'31	0°23'41		
behind sun begin	-11009 May 21 j 06:39	8° $\text{H}$ 37'08		max. Earth dist.	-11004 Oct 26 j 16:28	19° $\text{O}$ 13'12	6.11526 AU		
behind sun end	-11009 May 21 j 18:21	8° $\text{H}$ 43'38		morning rise	-11004 Nov 08 j 03:31	22° $\text{O}$ 07'32			
max. Earth dist.	-11009 May 20 j 12:43	8° $\text{H}$ 27'07	6.31715 AU		-11004 Dec 13 j 12:19	0° $\text{O}$			
morning rise	-11009 Jun 03 j 12:06	11° $\text{H}$ 33'50		retrograde	-11003 Mar 19 j 06:21	11° $\text{O}$ 48'22			
retrograde	-11009 Oct 02 j 03:25	28° $\text{H}$ 53'35		desc. node	-11003 Mar 28 j 16:30	11° $\text{O}$ 39'48			
opposition	-11009 Dec 01 j 06:01	24° $\text{H}$ 01'14	0°55'53	min. Earth dist.	-11003 May 18 j 08:27	6° $\text{O}$ 50'53	4.09007 AU		
min. Earth dist.	-11009 Dec 02 j 01:09	23° $\text{H}$ 55'04	4.33204 AU	opposition	-11003 May 19 j 00:51	6° $\text{O}$ 45'25	-0°11'52		
direct	-11008 Feb 01 j 14:58	18° $\text{H}$ 59'30		direct	-11003 Jul 16 j 15:16	1° $\text{O}$ 51'15			
	-11008 May 05 j 19:01	0° $\text{Y}$		evening set	-11003 Nov 17 j 01:13	20° $\text{O}$ 38'51			
evening set	-11008 Jun 08 j 09:38	7° $\text{Y}$ 08'59		conjunction	-11003 Nov 30 j 10:58	23° $\text{O}$ 46'56	-0°37'25		
max. Earth dist.	-11008 Jun 19 j 21:20	9° $\text{Y}$ 42'39	6.33593 AU	minimum elong	-11003 Nov 30 j 10:54	23° $\text{O}$ 46'54	0°37'18		
conjunction	-11008 Jun 21 j 03:06	9° $\text{Y}$ 59'18	1°03'08	max. Earth dist.	-11003 Dec 01 j 16:30	24° $\text{O}$ 04'14	6.07437 AU		
minimum elong	-11008 Jun 21 j 03:01	9° $\text{Y}$ 59'15	1°03'10	morning rise	-11003 Dec 13 j 23:59	26° $\text{O}$ 56'48			
morning rise	-11008 Jul 03 j 17:51	12° $\text{Y}$ 48'15			-11003 Dec 27 j 06:48	0° $\text{O}$			
	-11008 Oct 22 j 05:41	0° $\text{B}$		retrograde	-11002 Apr 24 j 09:32	16° $\text{O}$ 50'58			
retrograde	-11008 Nov 02 j 03:00	0° $\text{B}$ 11'12		opposition	-11002 Jun 23 j 08:33	11° $\text{O}$ 46'07	-1°36'30		
	-11008 Nov 12 j 23:37	30° $\text{K}$ Y		min. Earth dist.	-11002 Jun 22 j 12:40	11° $\text{O}$ 52'52	4.07082 AU		
opposition	-11007 Jan 01 j 22:25	25° $\text{Y}$ 19'30	2°00'32	direct	-11002 Aug 20 j 12:37	6° $\text{O}$ 49'09			
min. Earth dist.	-11007 Jan 02 j 18:56	25° $\text{Y}$ 12'58	4.33107 AU	evening set	-11002 Dec 23 j 15:46	25° $\text{O}$ 53'47			
direct	-11007 Mar 05 j 08:40	20° $\text{Y}$ 20'43		conjunction	-11001 Jan 06 j 07:02	29° $\text{O}$ 03'56	-1°25'01		
	-11007 May 31 j 01:58	0° $\text{B}$		minimum elong	-11001 Jan 06 j 06:56	29° $\text{O}$ 03'53	1°25'15		
evening set	-11007 Jul 09 j 16:05	8° $\text{B}$ 23'37		max. Earth dist.	-11001 Jan 07 j 12:32	29° $\text{O}$ 21'06	6.07724 AU		
max. Earth dist.	-11007 Jul 21 j 01:33	10° $\text{B}$ 57'28	6.31418 AU		-11001 Jan 10 j 07:24	0° $\text{O}$			
conjunction	-11007 Jul 22 j 02:21	11° $\text{B}$ 11'28	1°36'09	morning rise	-11001 Jan 20 j 00:34	2° $\text{O}$ 15'09			
minimum elong	-11007 Jul 22 j 02:18	11° $\text{B}$ 11'26	1°36'31		-11001 Mar 21 j 12:56	15° $\text{O}$			
morning rise	-11007 Aug 03 j 11:04	13° $\text{B}$ 58'39		retrograde	-11001 May 29 j 18:23	21° $\text{O}$ 54'34			
	-11007 Aug 08 j 00:48	15° $\text{B}$		min. Earth dist.	-11001 Jul 27 j 08:47	16° $\text{O}$ 55'59	4.09683 AU		
	-11007 Oct 31 j 18:01	0° $\text{I}$		opposition	-11001 Jul 28 j 01:43	16° $\text{O}$ 50'11	-2°25'53		
retrograde	-11007 Dec 04 j 22:30	1° $\text{I}$ 45'25			-11001 Aug 10 j 19:37	15° $\text{K}$ W			
	-11006 Jan 08 j 10:43	30° $\text{K}$ B		direct	-11001 Sep 24 j 14:01	11° $\text{O}$ 49'45			
opposition	-11006 Feb 04 j 07:48	26° $\text{B}$ 52'33	2°30'27		-11001 Nov 08 j 10:28	15° $\text{O}$			
min. Earth dist.	-11006 Feb 04 j 22:55	26° $\text{B}$ 47'46	4.29108 AU		-11000 Jan 25 j 08:08	0° $\text{Z}$			
direct	-11006 Apr 07 j 04:17	21° $\text{B}$ 56'53		evening set	-11000 Jan 29 j 17:46	1° $\text{Z}$ 00'09			
	-11006 Jun 23 j 09:25	0° $\text{I}$		conjunction	-11000 Feb 12 j 10:50	4° $\text{Z}$ 08'51	-1°41'34		
evening set	-11006 Aug 09 j 20:51	10° $\text{I}$ 01'02		minimum elong	-11000 Feb 12 j 10:50	4° $\text{Z}$ 08'51	1°42'04		
conjunction	-11006 Aug 22 j 05:26	12° $\text{I}$ 50'15	1°41'04	max. Earth dist.	-11000 Feb 13 j 07:24	4° $\text{Z}$ 20'41	6.12312 AU		
minimum elong	-11006 Aug 22 j 05:28	12° $\text{I}$ 50'16	1°41'37	morning rise	-11000 Feb 26 j 03:48	7° $\text{Z}$ 17'27			
max. Earth dist.	-11006 Aug 21 j 14:15	12° $\text{I}$ 41'33	6.25836 AU	retrograde	-11000 Jul 02 j 00:38	26° $\text{Z}$ 18'29			
morning rise	-11006 Sep 03 j 14:40	15° $\text{I}$ 39'52		opposition	-11000 Aug 29 j 22:21	21° $\text{Z}$ 16'49	-2°22'43		
	-11006 Nov 15 j 16:13	0° $\text{O}$		min. Earth dist.	-11000 Aug 29 j 14:58	21° $\text{Z}$ 19'20	4.15833 AU		
retrograde	-11005 Jan 07 j 23:52	4° $\text{O}$ 04'36		direct	-11000 Oct 28 j 10:12	16° $\text{Z}$ 13'41			
	-11005 Mar 03 j 21:13	30° $\text{K}$ I			-10999 Feb 10 j 04:56	0° $\text{Z}$			
opposition	-11005 Mar 10 j 14:14	29° $\text{I}$ 08'52	2°15'10	evening set	-10999 Mar 06 j 00:48	5° $\text{Z}$ 14'43			
min. Earth dist.	-11005 Mar 10 j 19:36	29° $\text{I}$ 07'09	4.22311 AU	conjunction	-10999 Mar 19 j 16:17	8° $\text{Z}$ 19'49	-1°22'23		
direct	-11005 May 10 j 10:08	24° $\text{I}$ 15'22		minimum elong	-10999 Mar 19 j 16:22	8° $\text{Z}$ 19'52	1°22'59		
	-11005 Jul 12 j 08:57	0° $\text{O}$		max. Earth dist.	-10999 Mar 19 j 19:31	8° $\text{Z}$ 21'39	6.19516 AU		
evening set	-11005 Sep 10 j 17:34	12° $\text{O}$ 28'07		morning rise	-10999 Apr 02 j 05:54	11° $\text{Z}$ 23'51			
conjunction	-11005 Sep 23 j 07:48	15° $\text{O}$ 22'48	1°14'46	retrograde	-10999 Aug 03 j 21:16	29° $\text{Z}$ 38'12			
minimum elong	-11005 Sep 23 j 07:53	15° $\text{O}$ 22'51	1°15'22	opposition	-10999 Oct 01 j 22:39	24° $\text{Z}$ 40'16	-1°32'01		
max. Earth dist.	-11005 Sep 23 j 09:05	15° $\text{O}$ 23'33	6.18441 AU	min. Earth dist.	-10999 Oct 02 j 01:40	24° $\text{Z}$ 39'15	4.23357 AU		
morning rise	-11005 Oct 06 j 00:16	18° $\text{O}$ 18'49		direct	-10999 Dec 01 j 15:12	19° $\text{Z}$ 35'58			
	-11005 Nov 30 j 09:50	0° $\text{O}$			-10998 Mar 01 j 15:18	0° $\text{Z}$			
retrograde	-11004 Feb 12 j 05:17	7° $\text{O}$ 25'36		evening set	-10998 Apr 09 j 19:07	8° $\text{Z}$ 18'09			
opposition	-11004 Apr 13 j 14:40	2° $\text{O}$ 26'11	1°15'35	conjunction	-10998 Apr 23 j 05:32	11° $\text{Z}$ 18'18	-0°36'37		
min. Earth dist.	-11004 Apr 13 j 07:54	2° $\text{O}$ 28'23	4.14786 AU	minimum elong	-10998 Apr 23 j 05:36	11° $\text{Z}$ 18'20	0°37'07		
	-11004 May 03 j 06:09	30° $\text{K}$ O		max. Earth dist.	-10998 Apr 22 j 15:58	11° $\text{Z}$ 10'43	6.26869 AU		
direct	-11004 Jun 12 j 04:56	27° $\text{O}$ 33'20		morning rise	-10998 May 06 j 12:45	14° $\text{Z}$ 16'46			
	-11004 Jul 21 j 12:02	0° $\text{O}$							

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

	-10998 May 09 j 18:39	15°♊	morning rise	-10993 Oct 10 j 14:58	23°♏01'39		
	-10998 Aug 01 j 07:36	0°♋		-10993 Nov 10 j 23:42	0°♎		
retrograde	-10998 Sep 04 j 22:14	1°♋53'29	retrograde	-10992 Feb 17 j 03:43	12°♎13'24		
	-10998 Oct 09 j 14:24	30°♋	opposition	-10992 Apr 18 j 11:40	7°♎13'23	1°04'35	
opposition	-10998 Nov 03 j 10:02	26°♋59'05	min. Earth dist.	-10992 Apr 18 j 03:26	7°♎16'04	4.13918 AU	
min. Earth dist.	-10998 Nov 03 j 23:40	26°♋54'36	4.29843 AU	direct	-10992 Jun 16 j 22:24	2°♎20'23	
direct	-10997 Jan 04 j 05:32	21°♋55'31			-10992 Sep 21 j 21:31	15°♎	
asc. node	-10997 Jan 08 j 16:10	21°♋57'20	evening set	-10992 Oct 17 j 17:08	20°♎50'42		
	-10997 Mar 23 j 19:36	0°♋					
evening set	-10997 May 12 j 22:34	10°♋17'55	conjunction	-10992 Oct 30 j 18:44	23°♎53'46	0°14'58	
max. Earth dist.	-10997 May 24 j 23:11	12°♋58'26	6.32031 AU	minimum elong	-10992 Oct 30 j 18:46	23°♎53'47	0°15'23
			behind sun begin	-10992 Oct 30 j 16:18	23°♎52'21		
conjunction	-10997 May 26 j 00:27	13°♋12'31	0°19'30	behind sun end	-10992 Oct 30 j 21:14	23°♎55'13	
minimum elong	-10997 May 26 j 00:25	13°♋12'30	0°19'17	max. Earth dist.	-10992 Oct 31 j 14:09	24°♎05'07	6.10771 AU
morning rise	-10997 Jun 07 j 22:53	16°♋05'20	morning rise	-10992 Nov 12 j 23:45	26°♎58'46		
	-10997 Aug 20 j 00:53	0°♌		-10992 Nov 26 j 03:28	0°♏		
retrograde	-10997 Oct 06 j 14:04	3°♌24'37	desc. node	-10991 Feb 06 j 07:17	13°♏34'07		
	-10997 Nov 24 j 06:32	30°♌	retrograde	-10991 Mar 24 j 06:45	16°♏42'50		
opposition	-10997 Dec 05 j 19:25	28°♌32'23	1°06'26	opposition	-10991 May 23 j 22:09	11°♏39'31	-0°24'29
min. Earth dist.	-10997 Dec 06 j 14:31	28°♌26'14	4.33345 AU	min. Earth dist.	-10991 May 23 j 05:30	11°♏45'05	4.08441 AU
direct	-10996 Feb 06 j 05:02	23°♌31'01	direct	-10991 Jul 21 j 10:06	6°♏45'02		
	-10996 Apr 15 j 21:47	0°♌	evening set	-10991 Nov 22 j 00:45	25°♏35'33		
evening set	-10996 Jun 12 j 19:42	11°♌39'11					
max. Earth dist.	-10996 Jun 24 j 08:07	14°♌13'22	6.33543 AU	conjunction	-10991 Dec 05 j 11:23	28°♏44'11	-0°45'15
			minimum elong	-10991 Dec 05 j 11:18	28°♏44'08	0°45'11	
conjunction	-10996 Jun 25 j 12:02	14°♌28'59	1°09'09	max. Earth dist.	-10991 Dec 06 j 15:50	29°♏00'51	6.07086 AU
minimum elong	-10996 Jun 25 j 11:57	14°♌28'56	1°09'14		-10991 Dec 10 j 20:55	0°♐	
morning rise	-10996 Jul 08 j 01:33	17°♌17'27	morning rise	-10991 Dec 19 j 01:29	1°♐54'35		
	-10996 Sep 10 j 15:05	0°♑	retrograde	-10990 Apr 29 j 07:27	21°♐48'56		
retrograde	-10996 Nov 06 j 15:32	4°♑42'21	min. Earth dist.	-10990 Jun 27 j 08:31	16°♐50'50	4.06994 AU	
	-10995 Jan 05 j 07:57	30°♑	opposition	-10990 Jun 28 j 04:43	16°♐43'57	-1°46'02	
opposition	-10995 Jan 06 j 13:42	29°♑50'34	2°07'08	direct	-10990 Aug 25 j 08:34	11°♐46'27	
min. Earth dist.	-10995 Jan 07 j 09:30	29°♑44'17	4.32872 AU		-10990 Dec 24 j 22:15	0°♑	
direct	-10995 Mar 09 j 23:37	24°♑52'15	evening set	-10990 Dec 28 j 19:03	0°♑53'29		
	-10995 May 09 j 21:51	0°♑					
evening set	-10995 Jul 14 j 00:46	12°♑54'16	conjunction	-10989 Jan 11 j 10:58	4°♑03'47	-1°29'25	
	-10995 Jul 23 j 08:00	15°♑	minimum elong	-10989 Jan 11 j 10:53	4°♑03'44	1°29'43	
max. Earth dist.	-10995 Jul 25 j 09:23	15°♑27'54	6.30981 AU	max. Earth dist.	-10989 Jan 12 j 16:36	4°♑21'01	6.07894 AU
			morning rise	-10989 Jan 25 j 04:33	7°♑14'54		
conjunction	-10995 Jul 26 j 10:14	15°♑41'57	1°38'40	-10989 Mar 01 j 02:21	15°♑		
minimum elong	-10995 Jul 26 j 10:11	15°♑41'55	1°39'04	retrograde	-10989 Jun 03 j 16:25	26°♑51'12	
morning rise	-10995 Aug 07 j 18:42	18°♑29'09	opposition	-10989 Aug 01 j 20:19	21°♑47'05	-2°28'42	
	-10995 Oct 03 j 03:33	0°♒	min. Earth dist.	-10989 Aug 01 j 05:13	21°♑52'15	4.10091 AU	
retrograde	-10995 Dec 09 j 14:21	6°♒19'48	direct	-10989 Sep 29 j 11:23	16°♑46'12		
opposition	-10994 Feb 09 j 01:14	1°♒26'32	2°31'08	-10988 Jan 08 j 02:58	0°♓		
min. Earth dist.	-10994 Feb 09 j 15:13	1°♒22'07	4.28487 AU	evening set	-10988 Feb 03 j 21:07	5°♓57'11	
	-10994 Feb 20 j 14:32	30°♒					
direct	-10994 Apr 11 j 19:27	26°♒31'09	conjunction	-10988 Feb 17 j 14:09	9°♓05'40	-1°40'55	
	-10994 May 30 j 16:35	0°♒	minimum elong	-10988 Feb 17 j 14:10	9°♓05'40	1°41'28	
evening set	-10994 Aug 14 j 05:56	14°♒35'18	max. Earth dist.	-10988 Feb 18 j 08:20	9°♓16'06	6.12905 AU	
			morning rise	-10988 Mar 02 j 06:58	12°♓13'53		
conjunction	-10994 Aug 26 j 15:02	17°♒24'59	1°39'14	-10988 Jun 10 j 01:50	0°♔		
minimum elong	-10994 Aug 26 j 15:04	17°♒25'00	1°39'48	retrograde	-10988 Jul 06 j 16:22	1°♔09'39	
max. Earth dist.	-10994 Aug 26 j 02:51	17°♒18'00	6.25078 AU	-10988 Aug 02 j 02:11	30°♒		
morning rise	-10994 Sep 08 j 00:43	20°♒15'09	opposition	-10988 Sep 03 j 14:43	26°♒08'27	-2°18'07	
	-10994 Oct 23 j 18:15	0°♔	min. Earth dist.	-10988 Sep 03 j 07:54	26°♒10'47	4.16562 AU	
retrograde	-10993 Jan 12 j 18:50	8°♔44'48	direct	-10988 Nov 02 j 05:16	21°♒05'03		
opposition	-10993 Mar 15 j 09:41	3°♔48'36	2°09'20	-10987 Jan 22 j 07:07	0°♔		
min. Earth dist.	-10993 Mar 15 j 13:30	3°♔47'23	4.21454 AU	evening set	-10987 Mar 11 j 00:55	10°♔04'59	
	-10993 Apr 18 j 16:50	30°♒					
direct	-10993 May 15 j 01:50	28°♒55'16	conjunction	-10987 Mar 24 j 15:56	13°♔09'35	-1°17'12	
	-10993 Jun 10 j 06:21	0°♔	minimum elong	-10987 Mar 24 j 16:02	13°♔09'39	1°17'47	
evening set	-10993 Sep 15 j 05:45	17°♔09'04	max. Earth dist.	-10987 Mar 24 j 16:47	13°♔10'05	6.20350 AU	
			morning rise	-10987 Apr 07 j 04:54	16°♔13'01		
conjunction	-10993 Sep 27 j 21:00	20°♔04'37	1°08'53	-10987 Jun 15 j 22:22	0°♕		
minimum elong	-10993 Sep 27 j 21:05	20°♔04'40	1°09'28	retrograde	-10987 Aug 08 j 12:21	4°♕22'01	
max. Earth dist.	-10993 Sep 27 j 23:10	20°♔05'52	6.17556 AU	-10987 Oct 02 j 03:34	30°♒		

Attention, astronomical year style is used: The year -10987 in astronomical counting style is the year 10988 BCE in historical counting style.

opposition	-10987 Oct 06 j 13:33	29° $\text{♁}$ 24'39	-1°22'04	direct	-10981 May 19 j 15:09	3° $\text{♁}$ 31'00	
min. Earth dist.	-10987 Oct 06 j 18:35	29° $\text{♁}$ 22'58	4.24214 AU	evening set	-10981 Sep 19 j 16:23	21° $\text{♁}$ 46'14	
direct	-10987 Dec 06 j 10:45	24° $\text{♁}$ 20'24					
	-10986 Feb 08 j 05:26	0° $\text{♁}$		conjunction	-10981 Oct 02 j 09:03	24° $\text{♁}$ 42'47	1°02'39
evening set	-10986 Apr 14 j 14:09	13° $\text{♁}$ 00'10		minimum elong	-10981 Oct 02 j 09:08	24° $\text{♁}$ 42'50	1°03'13
	-10986 Apr 23 j 13:04	15° $\text{♁}$		max. Earth dist.	-10981 Oct 02 j 14:02	24° $\text{♁}$ 45'41	6.16609 AU
				morning rise	-10981 Oct 15 j 04:17	27° $\text{♁}$ 40'51	
conjunction	-10986 Apr 27 j 23:40	15° $\text{♁}$ 59'38	-0°28'54		-10981 Oct 25 j 07:35	0° $\text{♁}$	
minimum elong	-10986 Apr 27 j 23:43	15° $\text{♁}$ 59'40	0°29'22		-10980 Jan 16 j 20:31	15° $\text{♁}$	
max. Earth dist.	-10986 Apr 27 j 09:07	15° $\text{♁}$ 51'30	6.27710 AU	retrograde	-10980 Feb 22 j 01:25	16° $\text{♁}$ 57'48	
morning rise	-10986 May 11 j 05:45	18° $\text{♁}$ 57'20			-10980 Mar 29 j 04:07	15° $\text{♁}$	
	-10986 Jul 04 j 08:08	0° $\text{♁}$		opposition	-10980 Apr 23 j 06:43	11° $\text{♁}$ 57'23	0°53'20
retrograde	-10986 Sep 09 j 08:51	6° $\text{♁}$ 30'16		min. Earth dist.	-10980 Apr 22 j 22:13	12° $\text{♁}$ 00'09	4.12933 AU
opposition	-10986 Nov 08 j 00:08	1° $\text{♁}$ 36'14	-0°02'15	direct	-10980 Jun 21 j 13:48	7° $\text{♁}$ 04'18	
min. Earth dist.	-10986 Nov 08 j 13:38	1° $\text{♁}$ 31'49	4.30621 AU		-10980 Sep 03 j 08:26	15° $\text{♁}$	
asc. node	-10986 Nov 18 j 16:20	0° $\text{♁}$ 13'33		evening set	-10980 Oct 22 j 09:54	25° $\text{♁}$ 37'51	
	-10986 Nov 20 j 11:49	30° $\text{♁}$					
direct	-10985 Jan 08 j 21:41	26° $\text{♁}$ 32'56		conjunction	-10980 Nov 04 j 12:47	28° $\text{♁}$ 41'55	0°06'44
	-10985 Feb 27 j 07:16	0° $\text{♁}$		minimum elong	-10980 Nov 04 j 12:48	28° $\text{♁}$ 41'56	0°07'06
evening set	-10985 May 17 j 12:32	14° $\text{♁}$ 52'30		behind sun begin	-10980 Nov 04 j 05:14	28° $\text{♁}$ 37'32	
max. Earth dist.	-10985 May 29 j 11:40	17° $\text{♁}$ 32'06	6.32702 AU	behind sun end	-10980 Nov 04 j 20:21	28° $\text{♁}$ 46'20	
				max. Earth dist.	-10980 Nov 05 j 07:52	28° $\text{♁}$ 53'05	6.09844 AU
conjunction	-10985 May 30 j 12:59	17° $\text{♁}$ 46'13	0°27'14		-10980 Nov 10 j 02:09	0° $\text{♁}$	
minimum elong	-10985 May 30 j 12:56	17° $\text{♁}$ 46'11	0°27'03	morning rise	-10980 Nov 17 j 19:27	1° $\text{♁}$ 48'02	
morning rise	-10985 Jun 12 j 10:02	20° $\text{♁}$ 38'12		desc. node	-10980 Dec 18 j 09:10	8° $\text{♁}$ 40'32	
	-10985 Jul 27 j 12:11	0° $\text{♁}$		retrograde	-10979 Mar 29 j 04:27	21° $\text{♁}$ 36'06	
retrograde	-10985 Oct 11 j 01:50	7° $\text{♁}$ 56'00		opposition	-10979 May 28 j 18:12	16° $\text{♁}$ 32'28	-0°36'47
opposition	-10985 Dec 10 j 09:32	3° $\text{♁}$ 03'58	1°16'34	min. Earth dist.	-10979 May 28 j 00:16	16° $\text{♁}$ 38'29	4.07665 AU
min. Earth dist.	-10985 Dec 11 j 05:15	2° $\text{♁}$ 57'39	4.33861 AU	direct	-10979 Jul 26 j 03:18	11° $\text{♁}$ 37'39	
	-10984 Jan 05 j 04:40	30° $\text{♁}$			-10979 Nov 24 j 16:38	0° $\text{♁}$	
direct	-10984 Feb 10 j 21:36	28° $\text{♁}$ 03'03		evening set	-10979 Nov 27 j 00:04	0° $\text{♁}$ 32'13	
	-10984 Mar 18 j 14:11	0° $\text{♁}$					
evening set	-10984 Jun 17 j 05:35	16° $\text{♁}$ 08'34		conjunction	-10979 Dec 10 j 11:54	3° $\text{♁}$ 41'34	-0°52'41
				minimum elong	-10979 Dec 10 j 11:49	3° $\text{♁}$ 41'31	0°52'39
conjunction	-10984 Jun 29 j 20:36	18° $\text{♁}$ 57'41	1°14'42	max. Earth dist.	-10979 Dec 11 j 18:02	3° $\text{♁}$ 59'14	6.06543 AU
minimum elong	-10984 Jun 29 j 20:30	18° $\text{♁}$ 57'38	1°14'51	morning rise	-10979 Dec 24 j 02:45	6° $\text{♁}$ 52'32	
max. Earth dist.	-10984 Jun 28 j 16:15	18° $\text{♁}$ 41'49	6.33837 AU	retrograde	-10978 May 04 j 08:04	26° $\text{♁}$ 47'50	
morning rise	-10984 Jul 12 j 09:07	21° $\text{♁}$ 45'35		min. Earth dist.	-10978 Jul 02 j 05:47	21° $\text{♁}$ 49'24	4.06756 AU
	-10984 Aug 20 j 09:21	0° $\text{♁}$		opposition	-10978 Jul 03 j 00:57	21° $\text{♁}$ 42'52	-1°54'44
retrograde	-10984 Nov 11 j 02:55	9° $\text{♁}$ 11'27		direct	-10978 Aug 30 j 05:33	16° $\text{♁}$ 44'55	
opposition	-10983 Jan 11 j 04:16	4° $\text{♁}$ 19'33	2°12'51		-10978 Dec 07 j 17:26	0° $\text{♁}$	
min. Earth dist.	-10983 Jan 11 j 23:06	4° $\text{♁}$ 13'34	4.32940 AU	evening set	-10977 Jan 02 j 23:01	5° $\text{♁}$ 54'56	
	-10983 Feb 21 j 21:37	30° $\text{♁}$					
direct	-10983 Mar 14 j 12:59	29° $\text{♁}$ 21'37		conjunction	-10977 Jan 16 j 15:19	9° $\text{♁}$ 05'21	-1°33'07
	-10983 Apr 04 j 05:16	0° $\text{♁}$		minimum elong	-10977 Jan 16 j 15:15	9° $\text{♁}$ 05'19	1°33'27
	-10983 Jul 07 j 16:44	15° $\text{♁}$		max. Earth dist.	-10977 Jan 17 j 19:53	9° $\text{♁}$ 21'57	6.07972 AU
evening set	-10983 Jul 18 j 08:09	17° $\text{♁}$ 21'57		morning rise	-10977 Jan 30 j 09:13	12° $\text{♁}$ 16'30	
					-10977 Feb 11 j 07:27	15° $\text{♁}$	
conjunction	-10983 Jul 30 j 17:11	20° $\text{♁}$ 09'26	1°40'33		-10977 May 05 j 17:47	0° $\text{♁}$	
minimum elong	-10983 Jul 30 j 17:08	20° $\text{♁}$ 09'25	1°40'58	retrograde	-10977 Jun 08 j 11:55	1° $\text{♁}$ 49'38	
max. Earth dist.	-10983 Jul 29 j 18:37	19° $\text{♁}$ 56'41	6.30804 AU		-10977 Jul 11 j 21:56	30° $\text{♁}$	
morning rise	-10983 Aug 12 j 01:11	22° $\text{♁}$ 56'33		opposition	-10977 Aug 06 j 14:56	26° $\text{♁}$ 45'47	-2°30'23
	-10983 Sep 13 j 16:48	0° $\text{♁}$		min. Earth dist.	-10977 Aug 05 j 23:38	26° $\text{♁}$ 51'02	4.10507 AU
retrograde	-10983 Dec 14 j 04:51	10° $\text{♁}$ 50'22		direct	-10977 Oct 04 j 07:09	21° $\text{♁}$ 44'29	
opposition	-10982 Feb 13 j 17:10	5° $\text{♁}$ 56'51	2°30'49		-10977 Dec 19 j 15:35	0° $\text{♁}$	
min. Earth dist.	-10982 Feb 14 j 06:39	5° $\text{♁}$ 52'35	4.28063 AU	evening set	-10976 Feb 09 j 00:54	10° $\text{♁}$ 55'51	
direct	-10982 Apr 16 j 09:25	1° $\text{♁}$ 01'50					
evening set	-10982 Aug 18 j 13:27	19° $\text{♁}$ 05'33		conjunction	-10976 Feb 22 j 17:52	14° $\text{♁}$ 03'59	-1°39'31
				minimum elong	-10976 Feb 22 j 17:54	14° $\text{♁}$ 04'00	1°40'05
conjunction	-10982 Aug 30 j 22:49	21° $\text{♁}$ 55'39	1°36'49	max. Earth dist.	-10976 Feb 23 j 10:00	14° $\text{♁}$ 13'14	6.13629 AU
minimum elong	-10982 Aug 30 j 22:52	21° $\text{♁}$ 55'40	1°37'25	morning rise	-10976 Mar 07 j 10:24	17° $\text{♁}$ 11'45	
max. Earth dist.	-10982 Aug 30 j 10:36	21° $\text{♁}$ 48'39	6.24431 AU		-10976 May 08 j 14:27	0° $\text{♁}$	
morning rise	-10982 Sep 12 j 09:22	24° $\text{♁}$ 46'26		retrograde	-10976 Jul 11 j 09:50	6° $\text{♁}$ 01'31	
	-10982 Oct 05 j 21:15	0° $\text{♁}$		opposition	-10976 Sep 08 j 07:21	1° $\text{♁}$ 00'45	-2°12'31
retrograde	-10981 Jan 17 j 12:24	13° $\text{♁}$ 20'55		min. Earth dist.	-10976 Sep 08 j 02:30	1° $\text{♁}$ 02'24	4.17497 AU
opposition	-10981 Mar 20 j 03:11	8° $\text{♁}$ 24'14	2°02'45		-10976 Sep 15 j 19:18	30° $\text{♁}$	
min. Earth dist.	-10981 Mar 20 j 05:28	8° $\text{♁}$ 23'30	4.20608 AU	direct	-10976 Nov 07 j 02:41	25° $\text{♁}$ 57'06	

Attention, astronomical year style is used: The year -10975 in astronomical counting style is the year 10976 BCE in historical counting style.

	-10976 Dec 29 j 09:38	0°♁				-10970 Sep 19 j 11:27	0°♁	
evening set	-10975 Mar 16 j 00:05	14°♁54'35		retrograde		-10969 Jan 22 j 11:34	18°♁05'31	
				opposition		-10969 Mar 25 j 00:27	13°♁08'23	1°55'13
conjunction	-10975 Mar 29 j 14:43	17°♁58'35	-1°11'29	min. Earth dist.		-10969 Mar 25 j 02:03	13°♁07'52	4.19334 AU
minimum elong	-10975 Mar 29 j 14:48	17°♁58'38	1°12'04	direct		-10969 May 24 j 08:41	8°♁15'20	
max. Earth dist.	-10975 Mar 29 j 14:47	17°♁58'37	6.21424 AU	evening set		-10969 Sep 24 j 07:32	26°♁33'25	
morning rise	-10975 Apr 12 j 02:50	21°♁01'13						
	-10975 May 24 j 09:28	0°♁		conjunction		-10969 Oct 07 j 01:25	29°♁31'05	0°55'46
retrograde	-10975 Aug 12 j 23:40	9°♁03'59		minimum elong		-10969 Oct 07 j 01:30	29°♁31'08	0°56'19
opposition	-10975 Oct 11 j 03:46	4°♁07'02	-1°11'39	max. Earth dist.		-10969 Oct 07 j 07:25	29°♁34'34	6.15374 AU
min. Earth dist.	-10975 Oct 11 j 08:59	4°♁05'18	4.25300 AU			-10969 Oct 09 j 03:07	0°♁	
	-10975 Nov 16 j 12:33	30°♁♁		morning rise		-10969 Oct 19 j 22:25	2°♁30'27	
direct	-10975 Dec 11 j 04:14	29°♁02'46				-10969 Dec 18 j 10:56	15°♁	
	-10974 Jan 05 j 04:23	0°♁		retrograde		-10968 Feb 27 j 02:07	21°♁53'28	
	-10974 Apr 07 j 05:51	15°♁		opposition		-10968 Apr 28 j 06:26	16°♁52'33	0°41'14
evening set	-10974 Apr 19 j 07:31	17°♁39'01		min. Earth dist.		-10968 Apr 27 j 19:20	16°♁56'12	4.11852 AU
						-10968 May 12 j 23:01	15°♁♁	
conjunction	-10974 May 02 j 15:46	20°♁37'35	-0°21'05	direct		-10968 Jun 26 j 08:41	11°♁59'26	
minimum elong	-10974 May 02 j 15:48	20°♁37'36	0°21'30			-10968 Aug 08 j 22:21	15°♁	
max. Earth dist.	-10974 May 01 j 22:38	20°♁28'01	6.28713 AU			-10968 Oct 24 j 17:00	0°♁	
morning rise	-10974 May 15 j 20:46	23°♁34'23		evening set		-10968 Oct 27 j 07:44	0°♁36'28	
	-10974 Jun 14 j 18:43	0°♁		desc. node		-10968 Oct 27 j 10:42	0°♁38'12	
retrograde	-10974 Sep 13 j 20:15	11°♁03'15						
asc. node	-10974 Sep 28 j 19:02	10°♁41'20		conjunction		-10968 Nov 09 j 12:11	3°♁41'34	-0°02'02
opposition	-10974 Nov 12 j 13:02	6°♁09'34	0°09'24	minimum elong		-10968 Nov 09 j 12:10	3°♁41'34	0°01'44
min. Earth dist.	-10974 Nov 13 j 04:29	6°♁04'31	4.31430 AU	behind sun begin		-10968 Nov 09 j 03:57	3°♁36'46	
direct	-10973 Jan 13 j 14:55	1°♁06'27		behind sun end		-10968 Nov 09 j 20:24	3°♁46'22	
evening set	-10973 May 22 j 00:31	19°♁23'00		max. Earth dist.		-10968 Nov 10 j 10:54	3°♁54'53	6.09049 AU
				morning rise		-10968 Nov 22 j 20:07	6°♁48'38	
conjunction	-10973 Jun 03 j 23:42	22°♁15'56	0°34'44	retrograde		-10967 Apr 03 j 08:51	26°♁39'44	
minimum elong	-10973 Jun 03 j 23:39	22°♁15'54	0°34'36	opposition		-10967 Jun 02 j 18:35	21°♁35'51	-0°49'18
max. Earth dist.	-10973 Jun 02 j 21:51	22°♁01'31	6.33230 AU	min. Earth dist.		-10967 Jun 02 j 00:23	21°♁41'58	4.07272 AU
morning rise	-10973 Jun 16 j 19:23	25°♁07'09		direct		-10967 Jul 31 j 02:47	16°♁40'45	
	-10973 Jul 09 j 08:14	0°♁				-10967 Nov 07 j 09:43	0°♁	
retrograde	-10973 Oct 15 j 11:08	12°♁24'14		evening set		-10967 Dec 02 j 03:58	5°♁37'51	
opposition	-10973 Dec 14 j 22:31	7°♁32'17	1°26'12					
min. Earth dist.	-10973 Dec 15 j 17:45	7°♁26'07	4.34086 AU	conjunction		-10967 Dec 15 j 16:34	8°♁47'31	-0°59'58
direct	-10972 Feb 15 j 10:16	2°♁31'42		minimum elong		-10967 Dec 15 j 16:28	8°♁47'27	1°00'00
evening set	-10972 Jun 21 j 14:16	20°♁35'39		max. Earth dist.		-10967 Dec 16 j 23:33	9°♁05'38	6.06598 AU
max. Earth dist.	-10972 Jul 03 j 00:01	23°♁08'32	6.33721 AU	morning rise		-10967 Dec 29 j 08:13	11°♁58'44	
						-10966 Apr 04 j 22:17	0°♁	
conjunction	-10972 Jul 04 j 04:06	23°♁24'16	1°19'50	retrograde		-10966 May 09 j 07:34	1°♁51'48	
minimum elong	-10972 Jul 04 j 04:01	23°♁24'14	1°20'02			-10966 Jun 12 j 07:49	30°♁♁	
morning rise	-10972 Jul 16 j 15:40	26°♁11'48		opposition		-10966 Jul 07 j 22:56	26°♁46'51	-2°02'42
	-10972 Aug 03 j 00:06	0°♁		min. Earth dist.		-10966 Jul 07 j 02:35	26°♁53'48	4.07312 AU
retrograde	-10972 Nov 15 j 16:47	13°♁40'19		direct		-10966 Sep 04 j 03:22	21°♁48'29	
opposition	-10971 Jan 15 j 19:20	8°♁48'19	2°17'55			-10966 Nov 18 j 05:11	0°♁	
min. Earth dist.	-10971 Jan 16 j 14:41	8°♁42'11	4.32490 AU	evening set		-10965 Jan 08 j 04:14	10°♁58'19	
direct	-10971 Mar 19 j 03:32	3°♁50'47						
	-10971 Jun 20 j 23:23	15°♁		conjunction		-10965 Jan 21 j 20:42	14°♁08'21	-1°36'10
evening set	-10971 Jul 22 j 16:05	21°♁51'06		minimum elong		-10965 Jan 21 j 20:38	14°♁08'19	1°36'33
max. Earth dist.	-10971 Aug 03 j 02:06	24°♁25'53	6.30036 AU	max. Earth dist.		-10965 Jan 23 j 00:16	14°♁24'20	6.08962 AU
						-10965 Jan 25 j 13:48	15°♁	
conjunction	-10971 Aug 04 j 00:41	24°♁38'41	1°41'54	morning rise		-10965 Feb 04 j 14:30	17°♁18'57	
minimum elong	-10971 Aug 04 j 00:40	24°♁38'40	1°42'21			-10965 Apr 06 j 02:04	0°♁	
morning rise	-10971 Aug 16 j 08:42	27°♁26'05		retrograde		-10965 Jun 13 j 06:44	6°♁45'17	
	-10971 Aug 27 j 20:37	0°♁		opposition		-10965 Aug 11 j 08:52	1°♁41'43	-2°30'55
retrograde	-10971 Dec 18 j 21:20	15°♁25'12		min. Earth dist.		-10965 Aug 10 j 19:14	1°♁46'24	4.11826 AU
opposition	-10970 Feb 18 j 11:02	10°♁31'18	2°29'42			-10965 Aug 24 j 00:03	30°♁♁	
min. Earth dist.	-10970 Feb 18 j 22:39	10°♁27'36	4.27038 AU	direct		-10965 Oct 09 j 05:34	26°♁40'02	
direct	-10970 Apr 20 j 22:41	5°♁36'34				-10965 Nov 24 j 13:56	0°♁	
evening set	-10970 Aug 22 j 23:34	23°♁41'53		evening set		-10964 Feb 14 j 01:53	15°♁48'11	
conjunction	-10970 Sep 04 j 09:42	26°♁32'46	1°33'46	conjunction		-10964 Feb 27 j 18:43	18°♁55'34	-1°37'28
minimum elong	-10970 Sep 04 j 09:46	26°♁32'48	1°34'22	minimum elong		-10964 Feb 27 j 18:46	18°♁55'36	1°38'03
max. Earth dist.	-10970 Sep 04 j 00:36	26°♁27'32	6.23244 AU	max. Earth dist.		-10964 Feb 28 j 09:54	19°♁04'15	6.15159 AU
morning rise	-10970 Sep 16 j 20:59	29°♁24'25		morning rise		-10964 Mar 12 j 10:35	22°♁02'24	

Attention, astronomical year style is used: The year -10964 in astronomical counting style is the year 10965 BCE in historical counting style.

	-10964 Apr 18 j 01:10	0°♄		evening set	-10958 Aug 27 j 10:51	28°♄22'06	
retrograde	-10964 Jul 15 j 21:09	10°♄43'34			-10958 Sep 03 j 13:21	0°♄	
opposition	-10964 Sep 12 j 20:14	5°♄43'21	-2°06'10				
min. Earth dist.	-10964 Sep 12 j 16:12	5°♄44'43	4.19082 AU	conjunction	-10958 Sep 08 j 21:48	1°♄14'01	1°30'01
direct	-10964 Nov 11 j 19:21	0°♄39'32		minimum elong	-10958 Sep 08 j 21:53	1°♄14'03	1°30'37
evening set	-10963 Mar 20 j 18:25	19°♄32'31		max. Earth dist.	-10958 Sep 08 j 14:30	1°♄09'48	6.21638 AU
				morning rise	-10958 Sep 21 j 10:22	4°♄06'52	
conjunction	-10963 Apr 03 j 08:09	22°♄35'34	-1°05'33	retrograde	-10957 Jan 27 j 10:22	22°♄55'46	
minimum elong	-10963 Apr 03 j 08:14	22°♄35'37	1°06'08	opposition	-10957 Mar 29 j 23:28	17°♄58'02	1°46'43
max. Earth dist.	-10963 Apr 03 j 03:47	22°♄33'07	6.22931 AU	min. Earth dist.	-10957 Mar 29 j 21:49	17°♄58'34	4.17819 AU
morning rise	-10963 Apr 16 j 19:31	25°♄37'16		direct	-10957 May 29 j 01:46	13°♄05'06	
	-10963 May 06 j 17:52	0°♄			-10957 Sep 22 j 18:41	0°♄	
retrograde	-10963 Aug 17 j 08:00	13°♄33'06		evening set	-10957 Sep 29 j 01:00	1°♄26'38	
opposition	-10963 Oct 15 j 13:07	8°♄36'41	-1°01'17				
min. Earth dist.	-10963 Oct 15 j 21:10	8°♄34'00	4.26581 AU	conjunction	-10957 Oct 11 j 20:28	4°♄25'31	0°48'20
direct	-10963 Dec 15 j 19:03	3°♄32'25		minimum elong	-10957 Oct 11 j 20:32	4°♄25'34	0°48'52
	-10962 Mar 21 j 13:57	15°♄		max. Earth dist.	-10957 Oct 12 j 06:43	4°♄31'30	6.14098 AU
evening set	-10962 Apr 23 j 19:01	22°♄04'55		morning rise	-10957 Oct 24 j 18:57	7°♄26'08	
max. Earth dist.	-10962 May 06 j 07:48	24°♄52'20	6.29670 AU		-10957 Nov 27 j 18:48	15°♄	
				retrograde	-10956 Mar 03 j 06:37	26°♄54'45	
conjunction	-10962 May 07 j 02:20	25°♄02'40	-0°13'31	opposition	-10956 May 03 j 07:53	21°♄53'16	0°28'34
minimum elong	-10962 May 07 j 02:21	25°♄02'41	0°13'54	min. Earth dist.	-10956 May 02 j 19:43	21°♄57'17	4.10903 AU
behind sun begin	-10962 May 06 j 22:13	25°♄00'23		direct	-10956 Jul 01 j 08:00	16°♄59'55	
behind sun end	-10962 May 07 j 06:29	25°♄04'59		desc. node	-10956 Sep 05 j 02:23	23°♄29'40	
morning rise	-10962 May 20 j 05:59	27°♄58'36			-10956 Oct 07 j 10:11	0°♄	
	-10962 May 29 j 10:28	0°♄		evening set	-10956 Nov 01 j 07:53	5°♄39'45	
asc. node	-10962 Aug 10 j 16:07	13°♄06'36					
retrograde	-10962 Sep 18 j 01:13	15°♄24'18		conjunction	-10956 Nov 14 j 13:37	8°♄45'40	-0°10'50
opposition	-10962 Nov 16 j 21:07	10°♄30'59	0°20'28	minimum elong	-10956 Nov 14 j 13:36	8°♄45'40	0°10'34
min. Earth dist.	-10962 Nov 17 j 13:14	10°♄25'44	4.31997 AU	behind sun begin	-10956 Nov 14 j 07:12	8°♄41'56	
direct	-10961 Jan 18 j 00:14	5°♄28'08		behind sun end	-10956 Nov 14 j 19:59	8°♄49'23	
evening set	-10961 May 26 j 07:44	23°♄42'55		max. Earth dist.	-10956 Nov 15 j 14:19	9°♄00'09	6.08496 AU
max. Earth dist.	-10961 Jun 07 j 00:53	26°♄19'16	6.33347 AU	morning rise	-10956 Nov 27 j 23:02	11°♄53'34	
					-10955 Mar 05 j 16:42	0°♄	
conjunction	-10961 Jun 08 j 05:28	26°♄35'13	0°41'42	retrograde	-10955 Apr 08 j 11:22	1°♄45'57	
minimum elong	-10961 Jun 08 j 05:24	26°♄35'11	0°41'37		-10955 May 11 j 23:04	30°♄	
morning rise	-10961 Jun 21 j 00:05	29°♄25'55		opposition	-10955 Jun 07 j 19:19	26°♄41'42	-1°01'34
	-10961 Jun 23 j 13:43	0°♄		min. Earth dist.	-10955 Jun 06 j 23:18	26°♄48'26	4.07164 AU
retrograde	-10961 Oct 19 j 20:22	16°♄44'12		direct	-10955 Aug 05 j 01:15	21°♄46'09	
opposition	-10961 Dec 19 j 08:18	11°♄52'24	1°34'59		-10955 Oct 18 j 21:59	0°♄	
min. Earth dist.	-10961 Dec 20 j 05:25	11°♄45'39	4.33757 AU	evening set	-10955 Dec 07 j 08:36	10°♄44'42	
direct	-10960 Feb 19 j 20:58	6°♄52'10					
evening set	-10960 Jun 25 j 19:59	24°♄56'38		conjunction	-10955 Dec 20 j 21:56	13°♄54'30	-1°06'52
max. Earth dist.	-10960 Jul 07 j 04:54	27°♄29'22	6.32952 AU	minimum elong	-10955 Dec 20 j 21:50	13°♄54'26	1°06'58
				max. Earth dist.	-10955 Dec 22 j 05:12	14°♄12'46	6.06890 AU
conjunction	-10960 Jul 08 j 09:01	27°♄45'09	1°24'20	morning rise	-10954 Jan 03 j 14:07	17°♄05'44	
minimum elong	-10960 Jul 08 j 08:56	27°♄45'06	1°24'34		-10954 Mar 05 j 17:10	0°♄	
	-10960 Jul 18 j 09:23	0°♄		retrograde	-10954 May 14 j 07:20	6°♄55'38	
morning rise	-10960 Jul 20 j 19:48	0°♄32'39		opposition	-10954 Jul 12 j 20:50	1°♄50'39	-2°09'50
	-10960 Oct 05 j 09:10	15°♄		min. Earth dist.	-10954 Jul 12 j 01:33	1°♄57'15	4.07961 AU
retrograde	-10960 Nov 20 j 04:09	18°♄06'08			-10954 Jul 26 j 16:53	30°♄	
	-10959 Jan 06 j 01:47	15°♄		direct	-10954 Sep 09 j 03:39	26°♄51'45	
opposition	-10959 Jan 20 j 08:39	13°♄13'59	2°22'04		-10954 Oct 23 j 11:34	0°♄	
min. Earth dist.	-10959 Jan 21 j 02:44	13°♄08'15	4.31366 AU		-10953 Jan 08 j 22:41	15°♄	
direct	-10959 Mar 23 j 12:46	8°♄16'52		evening set	-10953 Jan 13 j 09:24	16°♄01'10	
	-10959 Jun 01 j 20:09	15°♄					
evening set	-10959 Jul 26 j 23:23	26°♄19'32		conjunction	-10953 Jan 27 j 02:10	19°♄10'51	-1°38'35
max. Earth dist.	-10959 Aug 07 j 11:04	28°♄55'47	6.28641 AU	minimum elong	-10953 Jan 27 j 02:07	19°♄10'49	1°39'00
				max. Earth dist.	-10953 Jan 28 j 05:28	19°♄26'38	6.09890 AU
conjunction	-10959 Aug 08 j 07:52	29°♄07'37	1°42'33	morning rise	-10953 Feb 09 j 19:44	22°♄20'54	
minimum elong	-10959 Aug 08 j 07:51	29°♄07'36	1°43'03		-10953 Mar 16 j 11:05	0°♄	
	-10959 Aug 12 j 03:59	0°♄		retrograde	-10953 Jun 18 j 01:17	11°♄40'39	
morning rise	-10959 Aug 20 j 15:58	1°♄55'36		opposition	-10953 Aug 16 j 02:37	6°♄37'31	-2°30'30
retrograde	-10959 Dec 23 j 17:27	20°♄02'10		min. Earth dist.	-10953 Aug 15 j 13:51	6°♄41'53	4.12953 AU
opposition	-10958 Feb 23 j 05:39	15°♄07'54	2°27'35	direct	-10953 Oct 14 j 01:51	1°♄35'27	
min. Earth dist.	-10958 Feb 23 j 16:49	15°♄04'22	4.25467 AU	evening set	-10952 Feb 19 j 03:40	20°♄41'22	
direct	-10958 Apr 25 j 14:01	10°♄13'30					

Attention, astronomical year style is used: The year -10952 in astronomical counting style is the year 10953 BCE in historical counting style.

conjunction	-10952 Mar 03 j 20:05	23° $\text{♁}$ 48'07	-1°34'47	max. Earth dist.	-10947 Aug 11 j 22:46	3° $\text{♁}$ 31'45	6.27759 AU
minimum elong	-10952 Mar 03 j 20:09	23° $\text{♁}$ 48'09	1°35'22	morning rise	-10947 Aug 25 j 01:38	6° $\text{♁}$ 30'46	
max. Earth dist.	-10952 Mar 04 j 06:58	23° $\text{♁}$ 54'19	6.16382 AU	retrograde	-10947 Dec 28 j 11:41	24° $\text{♁}$ 42'56	
morning rise	-10952 Mar 17 j 11:38	26° $\text{♁}$ 54'14		opposition	-10946 Feb 28 j 01:46	19° $\text{♁}$ 48'16	2°24'35
	-10952 Mar 31 j 07:44	0° $\text{♁}$		min. Earth dist.	-10946 Feb 28 j 10:08	19° $\text{♁}$ 45'37	4.24522 AU
retrograde	-10952 Jul 20 j 11:13	15° $\text{♁}$ 28'13		direct	-10946 Apr 30 j 05:16	14° $\text{♁}$ 54'15	
opposition	-10952 Sep 17 j 10:34	10° $\text{♁}$ 28'31	-1°59'02		-10946 Aug 18 j 10:07	0° $\text{♁}$	
min. Earth dist.	-10952 Sep 17 j 08:52	10° $\text{♁}$ 29'05	4.20282 AU	evening set	-10946 Aug 31 j 23:03	3° $\text{♁}$ 03'58	
direct	-10952 Nov 16 j 14:59	5° $\text{♁}$ 24'29					
evening set	-10951 Mar 25 j 14:15	24° $\text{♁}$ 14'25		conjunction	-10946 Sep 13 j 10:50	5° $\text{♁}$ 56'38	1°25'45
				minimum elong	-10946 Sep 13 j 10:54	5° $\text{♁}$ 56'41	1°26'21
conjunction	-10951 Apr 08 j 03:28	27° $\text{♁}$ 16'48	-0°59'08	max. Earth dist.	-10946 Sep 13 j 06:30	5° $\text{♁}$ 54'08	6.20724 AU
minimum elong	-10951 Apr 08 j 03:34	27° $\text{♁}$ 16'51	0°59'42	morning rise	-10946 Sep 26 j 00:26	8° $\text{♁}$ 50'22	
max. Earth dist.	-10951 Apr 07 j 21:45	27° $\text{♁}$ 13'35	6.24041 AU	retrograde	-10945 Feb 01 j 10:14	27° $\text{♁}$ 44'34	
	-10951 Apr 20 j 06:12	0° $\text{♁}$		opposition	-10945 Apr 03 j 21:46	22° $\text{♁}$ 46'19	1°37'34
morning rise	-10951 Apr 21 j 13:49	0° $\text{♁}$ 17'40		min. Earth dist.	-10945 Apr 03 j 19:04	22° $\text{♁}$ 47'11	4.16985 AU
	-10951 Jul 07 j 19:40	15° $\text{♁}$		direct	-10945 Jun 02 j 21:37	17° $\text{♁}$ 53'27	
retrograde	-10951 Aug 21 j 18:32	18° $\text{♁}$ 08'07			-10945 Sep 05 j 19:52	0° $\text{♁}$	
	-10951 Oct 06 j 04:19	15° $\text{♁}$		evening set	-10945 Oct 03 j 17:19	6° $\text{♁}$ 16'20	
opposition	-10951 Oct 20 j 01:23	13° $\text{♁}$ 12'15	-0°50'21				
min. Earth dist.	-10951 Oct 20 j 10:29	13° $\text{♁}$ 09'14	4.27503 AU	conjunction	-10945 Oct 16 j 14:10	9° $\text{♁}$ 16'08	0°40'44
direct	-10951 Dec 20 j 10:10	8° $\text{♁}$ 08'07		minimum elong	-10945 Oct 16 j 14:14	9° $\text{♁}$ 16'11	0°41'14
	-10950 Mar 01 j 20:49	15° $\text{♁}$		max. Earth dist.	-10945 Oct 17 j 02:39	9° $\text{♁}$ 23'25	6.13430 AU
evening set	-10950 Apr 28 j 09:38	26° $\text{♁}$ 37'59		morning rise	-10945 Oct 29 j 14:15	12° $\text{♁}$ 17'45	
					-10945 Nov 10 j 09:10	15° $\text{♁}$	
conjunction	-10950 May 11 j 15:37	29° $\text{♁}$ 34'58	-0°05'40		-10944 Feb 02 j 12:41	0° $\text{♁}$	
minimum elong	-10950 May 11 j 15:38	29° $\text{♁}$ 34'58	0°06'01	retrograde	-10944 Mar 08 j 06:18	1° $\text{♁}$ 49'42	
behind sun begin	-10950 May 11 j 07:53	29° $\text{♁}$ 30'41			-10944 Apr 11 j 20:35	30° $\text{♁}$	
behind sun end	-10950 May 11 j 23:22	29° $\text{♁}$ 39'16		opposition	-10944 May 08 j 06:20	26° $\text{♁}$ 47'46	0°16'01
max. Earth dist.	-10950 May 10 j 17:37	29° $\text{♁}$ 22'42	6.30335 AU	min. Earth dist.	-10944 May 07 j 16:08	26° $\text{♁}$ 52'27	4.10461 AU
	-10950 May 13 j 12:28	0° $\text{♁}$		direct	-10944 Jul 06 j 02:45	21° $\text{♁}$ 54'13	
morning rise	-10950 May 24 j 18:16	2° $\text{♁}$ 30'11		desc. node	-10944 Jul 16 j 18:59	22° $\text{♁}$ 05'44	
asc. node	-10950 Jun 20 j 08:59	8° $\text{♁}$ 14'28			-10944 Sep 18 j 11:49	0° $\text{♁}$	
retrograde	-10950 Sep 22 j 12:21	19° $\text{♁}$ 53'48		evening set	-10944 Nov 06 j 05:13	10° $\text{♁}$ 35'35	
opposition	-10950 Nov 21 j 09:21	15° $\text{♁}$ 00'49	0°31'48				
min. Earth dist.	-10950 Nov 22 j 03:19	14° $\text{♁}$ 54'59	4.32373 AU	conjunction	-10944 Nov 19 j 12:07	13° $\text{♁}$ 42'06	-0°19'16
direct	-10949 Jan 22 j 15:02	9° $\text{♁}$ 58'15		minimum elong	-10944 Nov 19 j 12:05	13° $\text{♁}$ 42'05	0°19'02
evening set	-10949 May 30 j 18:30	28° $\text{♁}$ 11'40		max. Earth dist.	-10944 Nov 20 j 13:58	13° $\text{♁}$ 57'14	6.08300 AU
	-10949 Jun 07 j 21:29	0° $\text{♁}$		morning rise	-10944 Dec 02 j 22:40	16° $\text{♁}$ 50'33	
max. Earth dist.	-10949 Jun 11 j 11:08	0° $\text{♁}$ 47'47	6.33406 AU		-10943 Feb 03 j 11:00	0° $\text{♁}$	
				retrograde	-10943 Apr 13 j 10:47	6° $\text{♁}$ 43'18	
conjunction	-10949 Jun 12 j 15:07	1° $\text{♁}$ 03'25	0°48'44	opposition	-10943 Jun 12 j 16:08	1° $\text{♁}$ 38'46	-1°13'00
minimum elong	-10949 Jun 12 j 15:02	1° $\text{♁}$ 03'22	0°48'42	min. Earth dist.	-10943 Jun 11 j 20:27	1° $\text{♁}$ 45'26	4.07228 AU
morning rise	-10949 Jun 25 j 08:22	3° $\text{♁}$ 53'33			-10943 Jun 25 j 02:41	30° $\text{♁}$	
retrograde	-10949 Oct 24 j 07:17	21° $\text{♁}$ 13'11		direct	-10943 Aug 09 j 22:01	26° $\text{♁}$ 42'46	
opposition	-10949 Dec 23 j 22:08	16° $\text{♁}$ 21'31	1°43'37		-10943 Sep 24 j 03:28	0° $\text{♁}$	
min. Earth dist.	-10949 Dec 24 j 18:30	16° $\text{♁}$ 15'01	4.33529 AU	evening set	-10943 Dec 12 j 09:46	15° $\text{♁}$ 42'40	
direct	-10948 Feb 24 j 09:14	11° $\text{♁}$ 21'46					
evening set	-10948 Jun 30 j 05:10	29° $\text{♁}$ 26'07		conjunction	-10943 Dec 25 j 23:51	18° $\text{♁}$ 52'36	-1°13'03
	-10948 Jul 02 j 17:49	0° $\text{♁}$		minimum elong	-10943 Dec 25 j 23:45	18° $\text{♁}$ 52'32	1°13'11
				max. Earth dist.	-10943 Dec 27 j 07:50	19° $\text{♁}$ 11'15	6.07194 AU
conjunction	-10948 Jul 12 j 17:07	2° $\text{♁}$ 14'23	1°28'34	morning rise	-10942 Jan 08 j 16:24	22° $\text{♁}$ 03'48	
minimum elong	-10948 Jul 12 j 17:02	2° $\text{♁}$ 14'21	1°28'50		-10942 Feb 13 j 08:25	0° $\text{♁}$	
max. Earth dist.	-10948 Jul 11 j 12:58	1° $\text{♁}$ 58'33	6.32444 AU	retrograde	-10942 May 19 j 03:28	11° $\text{♁}$ 50'34	
morning rise	-10948 Jul 25 j 03:18	5° $\text{♁}$ 01'48		opposition	-10942 Jul 17 j 14:43	6° $\text{♁}$ 45'45	-2°15'47
	-10948 Sep 11 j 01:46	15° $\text{♁}$		min. Earth dist.	-10942 Jul 16 j 20:12	6° $\text{♁}$ 52'05	4.08495 AU
retrograde	-10948 Nov 24 j 21:07	22° $\text{♁}$ 39'30		direct	-10942 Sep 13 j 22:18	1° $\text{♁}$ 46'25	
opposition	-10947 Jan 25 j 01:49	17° $\text{♁}$ 47'13	2°25'34		-10942 Dec 22 j 22:55	15° $\text{♁}$	
min. Earth dist.	-10947 Jan 25 j 19:53	17° $\text{♁}$ 41'29	4.30636 AU	evening set	-10941 Jan 18 j 11:19	20° $\text{♁}$ 56'10	
	-10947 Feb 17 j 11:56	15° $\text{♁}$					
direct	-10947 Mar 28 j 04:24	12° $\text{♁}$ 50'34		conjunction	-10941 Feb 01 j 04:03	24° $\text{♁}$ 05'33	-1°40'13
	-10947 May 05 j 11:19	15° $\text{♁}$		minimum elong	-10941 Feb 01 j 04:01	24° $\text{♁}$ 05'32	1°40'41
	-10947 Jul 27 j 09:08	0° $\text{♁}$		max. Earth dist.	-10941 Feb 02 j 03:42	24° $\text{♁}$ 19'12	6.10575 AU
evening set	-10947 Jul 31 j 08:52	0° $\text{♁}$ 53'56		morning rise	-10941 Feb 14 j 21:42	27° $\text{♁}$ 15'15	
					-10941 Feb 27 j 00:05	0° $\text{♁}$	
conjunction	-10947 Aug 12 j 17:21	3° $\text{♁}$ 42'20	1°42'41	retrograde	-10941 Jun 22 j 17:04	16° $\text{♁}$ 29'44	
minimum elong	-10947 Aug 12 j 17:21	3° $\text{♁}$ 42'20	1°43'13	opposition	-10941 Aug 20 j 17:43	11° $\text{♁}$ 26'58	-2°29'05



Attention, astronomical year style is used: The year -10941 in astronomical counting style is the year 10942 BCE in historical counting style.

min. Earth dist.	-10941 Aug 20 j 06:40	11° $\text{♂}$ 30'45	4.13724 AU	conjunction	-10935 Aug 17 j 02:41	8° $\text{♂}$ 16'25	1°42'13
direct	-10941 Oct 18 j 21:03	6° $\text{♂}$ 24'31		minimum elong	-10935 Aug 17 j 02:42	8° $\text{♂}$ 16'25	1°42'45
evening set	-10940 Feb 24 j 02:38	25° $\text{♂}$ 29'31		morning rise	-10935 Aug 29 j 11:20	11° $\text{♂}$ 05'15	
				retrograde	-10934 Jan 02 j 07:12	29° $\text{♂}$ 22'08	
conjunction	-10940 Mar 08 j 19:01	28° $\text{♂}$ 35'53	-1°31'31	opposition	-10934 Mar 04 j 21:19	24° $\text{♂}$ 26'59	2°20'39
minimum elong	-10940 Mar 08 j 19:05	28° $\text{♂}$ 35'56	1°32'07	min. Earth dist.	-10934 Mar 05 j 04:50	24° $\text{♂}$ 24'35	4.23727 AU
max. Earth dist.	-10940 Mar 09 j 04:25	28° $\text{♂}$ 41'14	6.17197 AU	direct	-10934 May 04 j 22:24	19° $\text{♂}$ 33'09	
	-10940 Mar 14 j 22:53	0° $\text{♂}$			-10934 Aug 01 j 05:43	0° $\text{♂}$	
morning rise	-10940 Mar 22 j 09:55	1° $\text{♂}$ 41'26		evening set	-10934 Sep 05 j 10:23	7° $\text{♂}$ 43'29	
retrograde	-10940 Jul 25 j 00:51	20° $\text{♂}$ 09'56					
opposition	-10940 Sep 21 j 23:38	15° $\text{♂}$ 10'48	-1°51'16	conjunction	-10934 Sep 17 j 23:13	10° $\text{♂}$ 36'57	1°20'59
min. Earth dist.	-10940 Sep 21 j 23:37	15° $\text{♂}$ 10'48	4.21057 AU	minimum elong	-10934 Sep 17 j 23:18	10° $\text{♂}$ 37'00	1°21'35
direct	-10940 Nov 21 j 07:32	10° $\text{♂}$ 06'41		max. Earth dist.	-10934 Sep 17 j 21:23	10° $\text{♂}$ 35'53	6.19875 AU
evening set	-10939 Mar 30 j 09:11	28° $\text{♂}$ 54'59		morning rise	-10934 Sep 30 j 14:00	13° $\text{♂}$ 31'35	
	-10939 Apr 04 j 05:30	0° $\text{♂}$			-10934 Dec 27 j 01:50	0° $\text{♂}$	
				retrograde	-10933 Feb 06 j 07:21	2° $\text{♂}$ 30'43	
conjunction	-10939 Apr 12 j 21:37	1° $\text{♂}$ 56'48	-0°52'23		-10933 Mar 19 j 19:26	30° $\text{♂}$	
minimum elong	-10939 Apr 12 j 21:42	1° $\text{♂}$ 56'51	0°52'55	opposition	-10933 Apr 08 j 18:51	27° $\text{♂}$ 31'58	1°27'50
max. Earth dist.	-10939 Apr 12 j 12:20	1° $\text{♂}$ 51'36	6.24726 AU	min. Earth dist.	-10933 Apr 08 j 14:09	27° $\text{♂}$ 33'29	4.16134 AU
morning rise	-10939 Apr 26 j 07:15	4° $\text{♂}$ 57'06		direct	-10933 Jun 07 j 14:19	22° $\text{♂}$ 39'08	
	-10939 Jun 13 j 12:50	15° $\text{♂}$			-10933 Aug 17 j 17:49	0° $\text{♂}$	
retrograde	-10939 Aug 26 j 05:40	22° $\text{♂}$ 43'44		evening set	-10933 Oct 08 j 09:25	11° $\text{♂}$ 03'46	
opposition	-10939 Oct 24 j 13:47	17° $\text{♂}$ 48'17	-0°39'08				
min. Earth dist.	-10939 Oct 25 j 00:22	17° $\text{♂}$ 44'47	4.28051 AU	conjunction	-10933 Oct 21 j 07:35	14° $\text{♂}$ 04'31	0°32'55
	-10939 Nov 16 j 03:17	15° $\text{♂}$		minimum elong	-10933 Oct 21 j 07:38	14° $\text{♂}$ 04'33	0°33'22
direct	-10939 Dec 25 j 01:36	12° $\text{♂}$ 44'14		max. Earth dist.	-10933 Oct 21 j 21:21	14° $\text{♂}$ 12'33	6.12657 AU
	-10938 Feb 02 j 08:52	15° $\text{♂}$			-10933 Oct 25 j 06:36	15° $\text{♂}$	
	-10938 Apr 27 j 12:42	0° $\text{♂}$		morning rise	-10933 Nov 03 j 09:12	17° $\text{♂}$ 07'09	
asc. node	-10938 Apr 29 j 17:46	0° $\text{♂}$ 29'11			-10932 Jan 03 j 19:01	0° $\text{♂}$	
evening set	-10938 May 03 j 00:18	1° $\text{♂}$ 12'32		retrograde	-10932 Mar 13 j 06:16	6° $\text{♂}$ 42'55	
max. Earth dist.	-10938 May 15 j 07:21	3° $\text{♂}$ 56'42	6.30732 AU	opposition	-10932 May 13 j 03:53	1° $\text{♂}$ 40'30	0°03'24
				min. Earth dist.	-10932 May 12 j 13:04	1° $\text{♂}$ 45'25	4.09815 AU
conjunction	-10938 May 16 j 05:15	4° $\text{♂}$ 08'55	0°02'23		-10932 May 26 j 01:44	30° $\text{♂}$	
minimum elong	-10938 May 16 j 05:14	4° $\text{♂}$ 08'54	0°02'04	desc. node	-10932 May 27 j 21:50	29° $\text{♂}$ 46'27	
behind sun begin	-10938 May 15 j 21:06	4° $\text{♂}$ 04'24		direct	-10932 Jul 10 j 22:08	26° $\text{♂}$ 46'40	
behind sun end	-10938 May 16 j 13:21	4° $\text{♂}$ 13'25			-10932 Aug 24 j 20:13	0° $\text{♂}$	
morning rise	-10938 May 29 j 06:32	7° $\text{♂}$ 03'27		evening set	-10932 Nov 11 j 03:03	15° $\text{♂}$ 30'45	
retrograde	-10938 Sep 26 j 23:16	24° $\text{♂}$ 25'48					
opposition	-10938 Nov 25 j 22:33	19° $\text{♂}$ 33'06	0°43'01	conjunction	-10932 Nov 24 j 11:18	18° $\text{♂}$ 38'00	-0°27'35
min. Earth dist.	-10938 Nov 26 j 16:37	19° $\text{♂}$ 27'15	4.32597 AU	minimum elong	-10932 Nov 24 j 11:14	18° $\text{♂}$ 37'58	0°27'24
direct	-10937 Jan 27 j 05:21	14° $\text{♂}$ 30'54		max. Earth dist.	-10932 Nov 25 j 14:59	18° $\text{♂}$ 54'13	6.07851 AU
	-10937 May 22 j 20:25	0° $\text{♂}$		morning rise	-10932 Dec 07 j 22:56	21° $\text{♂}$ 47'07	
evening set	-10937 Jun 04 j 05:55	2° $\text{♂}$ 42'59			-10931 Jan 13 j 19:57	0° $\text{♂}$	
max. Earth dist.	-10937 Jun 15 j 19:53	5° $\text{♂}$ 17'49	6.33426 AU	retrograde	-10931 Apr 18 j 10:42	11° $\text{♂}$ 40'56	
				opposition	-10931 Jun 17 j 13:01	6° $\text{♂}$ 36'16	-1°23'57
conjunction	-10937 Jun 17 j 01:03	5° $\text{♂}$ 34'07	0°55'31	min. Earth dist.	-10931 Jun 16 j 17:22	6° $\text{♂}$ 42'55	4.07036 AU
minimum elong	-10937 Jun 17 j 00:58	5° $\text{♂}$ 34'04	0°55'31	direct	-10931 Aug 14 j 17:28	1° $\text{♂}$ 39'51	
morning rise	-10937 Jun 29 j 17:17	8° $\text{♂}$ 23'46		evening set	-10931 Dec 17 j 12:23	20° $\text{♂}$ 42'18	
retrograde	-10937 Oct 28 j 20:42	25° $\text{♂}$ 44'48					
opposition	-10937 Dec 28 j 13:18	20° $\text{♂}$ 53'04	1°51'42	conjunction	-10931 Dec 31 j 02:57	23° $\text{♂}$ 52'25	-1°18'45
min. Earth dist.	-10937 Dec 29 j 09:47	20° $\text{♂}$ 46'32	4.33361 AU	minimum elong	-10931 Dec 31 j 02:51	23° $\text{♂}$ 52'21	1°18'56
direct	-10936 Feb 29 j 00:29	15° $\text{♂}$ 53'42		max. Earth dist.	-10930 Jan 01 j 08:49	24° $\text{♂}$ 09'50	6.07241 AU
	-10936 Jun 16 j 14:21	0° $\text{♂}$		morning rise	-10930 Jan 13 j 20:05	27° $\text{♂}$ 03'45	
evening set	-10936 Jul 04 j 14:37	3° $\text{♂}$ 57'12			-10930 Jan 26 j 15:51	0° $\text{♂}$	
max. Earth dist.	-10936 Jul 16 j 00:09	6° $\text{♂}$ 30'45	6.32088 AU		-10930 Apr 20 j 08:14	15° $\text{♂}$	
				retrograde	-10930 May 24 j 00:06	16° $\text{♂}$ 48'18	
conjunction	-10936 Jul 17 j 01:51	6° $\text{♂}$ 45'13	1°32'18		-10930 Jun 26 j 08:05	15° $\text{♂}$	
minimum elong	-10936 Jul 17 j 01:46	6° $\text{♂}$ 45'11	1°32'36	opposition	-10930 Jul 22 j 09:51	11° $\text{♂}$ 43'37	-2°20'52
morning rise	-10936 Jul 29 j 11:12	9° $\text{♂}$ 32'26		min. Earth dist.	-10930 Jul 21 j 15:58	11° $\text{♂}$ 49'45	4.08783 AU
	-10936 Aug 23 j 12:09	15° $\text{♂}$		direct	-10930 Sep 18 j 19:12	6° $\text{♂}$ 43'46	
retrograde	-10936 Nov 29 j 11:25	27° $\text{♂}$ 13'30			-10930 Dec 03 j 16:11	15° $\text{♂}$	
opposition	-10935 Jan 29 j 18:59	22° $\text{♂}$ 20'56	2°28'11	evening set	-10929 Jan 23 j 15:01	25° $\text{♂}$ 54'45	
min. Earth dist.	-10935 Jan 30 j 11:15	22° $\text{♂}$ 15'47	4.30118 AU				
direct	-10935 Apr 01 j 19:00	17° $\text{♂}$ 24'42		conjunction	-10929 Feb 06 j 08:05	29° $\text{♂}$ 04'01	-1°41'09
	-10935 Jul 10 j 22:56	0° $\text{♂}$		minimum elong	-10929 Feb 06 j 08:04	29° $\text{♂}$ 04'00	1°41'38
evening set	-10935 Aug 04 j 18:20	5° $\text{♂}$ 27'48		max. Earth dist.	-10929 Feb 07 j 07:08	29° $\text{♂}$ 17'18	6.11079 AU
max. Earth dist.	-10935 Aug 16 j 09:09	8° $\text{♂}$ 06'25	6.27096 AU		-10929 Feb 10 j 09:13	0° $\text{♂}$	

Attention, astronomical year style is used: The year -10929 in astronomical counting style is the year 10930 BCE in historical counting style.

morning rise	-10929 Feb 20 j 01:25	2°♏13'21	min. Earth dist.	-10923 Feb 04 j 03:01	26°♎48'03	4.29820 AU
retrograde	-10929 Jun 27 j 12:34	21°♏23'00	direct	-10923 Apr 06 j 09:53	21°♎57'03	
opposition	-10929 Aug 25 j 10:44	16°♏20'45 -2°26'38		-10923 Jun 22 j 16:24	0°♎	
min. Earth dist.	-10929 Aug 25 j 01:33	16°♏23'53 4.14384 AU	evening set	-10923 Aug 09 j 02:11	9°♎59'13	
direct	-10929 Oct 23 j 17:31	11°♏17'59				
	-10928 Feb 27 j 12:21	0°♎	conjunction	-10923 Aug 21 j 10:49	12°♎48'06 1°41'05	
evening set	-10928 Feb 29 j 04:03	0°♎22'23	minimum elong	-10923 Aug 21 j 10:50	12°♎48'06 1°41'38	
			max. Earth dist.	-10923 Aug 20 j 19:54	12°♎39'35 6.26587 AU	
conjunction	-10928 Mar 13 j 20:06	3°♎28'22 -1°27'33	morning rise	-10923 Sep 02 j 19:41	15°♎37'17	
minimum elong	-10928 Mar 13 j 20:11	3°♎28'24 1°28'10		-10923 Nov 15 j 09:33	0°♎	
max. Earth dist.	-10928 Mar 14 j 02:24	3°♎31'56 6.17958 AU	retrograde	-10922 Jan 06 j 23:55	3°♎58'26	
morning rise	-10928 Mar 27 j 10:38	6°♎33'25		-10922 Mar 02 j 02:46	30°♎♎	
retrograde	-10928 Jul 29 j 15:00	24°♎56'30	opposition	-10922 Mar 09 j 15:13	29°♎02'52 2°15'51	
opposition	-10928 Sep 26 j 14:55	19°♎57'54 -1°42'38	min. Earth dist.	-10922 Mar 09 j 21:22	29°♎00'54 4.23033 AU	
min. Earth dist.	-10928 Sep 26 j 15:53	19°♎57'35 4.21851 AU	direct	-10922 May 09 j 12:54	24°♎09'15	
direct	-10928 Nov 26 j 02:05	14°♎53'42		-10922 Jul 12 j 04:16	0°♎	
	-10927 Mar 18 j 12:55	0°♎	evening set	-10922 Sep 09 j 20:37	12°♎20'09	
evening set	-10927 Apr 04 j 05:56	3°♎40'11				
			conjunction	-10922 Sep 22 j 10:19	15°♎14'23 1°15'45	
conjunction	-10927 Apr 17 j 17:36	6°♎41'24 -0°45'11	minimum elong	-10922 Sep 22 j 10:24	15°♎14'26 1°16'21	
minimum elong	-10927 Apr 17 j 17:41	6°♎41'26 0°45'41	max. Earth dist.	-10922 Sep 22 j 09:00	15°♎13'37 6.19053 AU	
max. Earth dist.	-10927 Apr 17 j 07:11	6°♎35'33 6.25533 AU	morning rise	-10922 Oct 05 j 02:25	18°♎09'57	
morning rise	-10927 May 01 j 02:13	9°♎40'59		-10922 Nov 30 j 09:47	0°♎	
	-10927 May 25 j 12:36	15°♎	retrograde	-10921 Feb 11 j 04:15	7°♎14'05	
retrograde	-10927 Aug 30 j 19:21	27°♎23'30	opposition	-10921 Apr 13 j 14:07	2°♎14'47 1°17'40	
opposition	-10927 Oct 29 j 04:24	22°♎28'34 -0°27'31	min. Earth dist.	-10921 Apr 13 j 08:23	2°♎16'39 4.15221 AU	
min. Earth dist.	-10927 Oct 29 j 16:09	22°♎24'42 4.28801 AU		-10921 May 01 j 14:03	30°♎♎	
direct	-10927 Dec 29 j 19:38	17°♎24'47	direct	-10921 Jun 12 j 06:06	27°♎21'50	
asc. node	-10926 Mar 08 j 19:42	23°♎50'08		-10921 Jul 23 j 03:29	0°♎	
	-10926 Apr 10 j 11:46	0°♎		-10921 Oct 09 j 12:03	15°♎	
evening set	-10926 May 07 j 16:10	5°♎50'34	evening set	-10921 Oct 13 j 00:24	15°♎48'51	
conjunction	-10926 May 20 j 19:44	8°♎46'08 0°10'23	conjunction	-10921 Oct 26 j 00:08	18°♎50'39 0°24'58	
minimum elong	-10926 May 20 j 19:44	8°♎46'07 0°10'07	minimum elong	-10921 Oct 26 j 00:11	18°♎50'41 0°25'24	
behind sun begin	-10926 May 20 j 13:15	8°♎42'31	max. Earth dist.	-10921 Oct 26 j 16:19	19°♎00'06 6.11758 AU	
behind sun end	-10926 May 21 j 02:12	8°♎49'43	morning rise	-10921 Nov 08 j 03:12	21°♎54'22	
max. Earth dist.	-10926 May 19 j 20:29	8°♎33'10 6.31377 AU		-10921 Dec 14 j 13:27	0°♎	
morning rise	-10926 Jun 02 j 19:49	11°♎39'54	retrograde	-10920 Mar 18 j 05:48	11°♎34'22	
retrograde	-10926 Oct 01 j 10:51	29°♎00'22	desc. node	-10920 Apr 08 j 15:02	10°♎50'47	
opposition	-10926 Nov 30 j 13:07	24°♎07'52 0°54'01	min. Earth dist.	-10920 May 17 j 09:07	6°♎36'38 4.09016 AU	
min. Earth dist.	-10926 Dec 01 j 07:15	24°♎02'01 4.33115 AU	opposition	-10920 May 18 j 00:18	6°♎31'35 -0°09'05	
direct	-10925 Jan 31 j 21:19	19°♎06'02	direct	-10920 Jul 15 j 15:09	1°♎37'30	
	-10925 May 05 j 12:57	0°♎	evening set	-10920 Nov 16 j 00:43	20°♎25'09	
evening set	-10925 Jun 08 j 17:34	7°♎15'42				
max. Earth dist.	-10925 Jun 20 j 07:54	9°♎50'43 6.33776 AU	conjunction	-10920 Nov 29 j 09:57	23°♎33'09 -0°35'36	
			minimum elong	-10920 Nov 29 j 09:53	23°♎33'07 0°35'29	
conjunction	-10925 Jun 21 j 11:25	10°♎06'06 1°01'58	max. Earth dist.	-10920 Nov 30 j 12:50	23°♎48'54 6.07213 AU	
minimum elong	-10925 Jun 21 j 11:20	10°♎06'03 1°02'00	morning rise	-10920 Dec 12 j 22:50	26°♎43'02	
morning rise	-10925 Jul 04 j 02:16	12°♎55'03		-10920 Dec 27 j 05:34	0°♎	
	-10925 Oct 20 j 02:41	0°♎	retrograde	-10919 Apr 23 j 09:00	16°♎38'40	
retrograde	-10925 Nov 02 j 08:51	0°♎16'31	opposition	-10919 Jun 22 j 09:23	11°♎33'49 -1°34'12	
	-10925 Nov 15 j 15:10	30°♎♎	min. Earth dist.	-10919 Jun 21 j 13:14	11°♎40'40 4.06644 AU	
opposition	-10924 Jan 02 j 04:28	25°♎24'48 1°59'02	direct	-10919 Aug 19 j 13:02	6°♎36'56	
min. Earth dist.	-10924 Jan 03 j 00:24	25°♎18'27 4.33526 AU	evening set	-10919 Dec 22 j 15:21	25°♎42'48	
direct	-10924 Mar 04 j 15:54	20°♎25'55				
	-10924 May 29 j 23:47	0°♎	conjunction	-10918 Jan 05 j 06:42	28°♎53'14 -1°23'49	
evening set	-10924 Jul 08 j 23:24	8°♎27'26	minimum elong	-10918 Jan 05 j 06:36	28°♎53'10 1°24'03	
max. Earth dist.	-10924 Jul 20 j 07:34	11°♎00'23 6.32020 AU	max. Earth dist.	-10918 Jan 06 j 13:29	29°♎11'10 6.07138 AU	
				-10918 Jan 10 j 01:17	0°♎	
conjunction	-10924 Jul 21 j 09:38	11°♎15'04 1°35'25	morning rise	-10918 Jan 19 j 00:03	2°♎04'41	
minimum elong	-10924 Jul 21 j 09:34	11°♎15'02 1°35'47		-10918 Mar 21 j 09:15	15°♎	
morning rise	-10924 Aug 02 j 18:34	14°♎02'05	retrograde	-10918 May 28 j 23:15	21°♎47'16	
	-10924 Aug 07 j 02:19	15°♎	opposition	-10918 Jul 27 j 05:14	16°♎42'49 -2°24'53	
	-10924 Oct 30 j 19:51	0°♎	min. Earth dist.	-10918 Jul 26 j 12:44	16°♎48'28 4.08999 AU	
retrograde	-10924 Dec 04 j 02:04	1°♎45'50		-10918 Aug 08 j 23:38	15°♎♎	
	-10923 Jan 07 j 15:53	30°♎♎	direct	-10918 Sep 23 j 16:50	11°♎42'31	
opposition	-10923 Feb 03 j 11:31	26°♎52'57 2°29'48		-10918 Nov 08 j 09:13	15°♎	

Attention, astronomical year style is used: The year -10917 in astronomical counting style is the year 10918 BCE in historical counting style.

	-10917 Jan 24 j 19:25	0°♌		conjunction	-10912 Jul 25 j 17:22	15°♏43'52	1°38'01
evening set	-10917 Jan 28 j 19:24	0°♌54'46		minimum elong	-10912 Jul 25 j 17:19	15°♏43'51	1°38'25
				max. Earth dist.	-10912 Jul 24 j 17:13	15°♏30'14	6.31467 AU
conjunction	-10917 Feb 11 j 12:31	4°♌03'51	-1°41'19	morning rise	-10912 Aug 07 j 01:43	18°♏30'53	
minimum elong	-10917 Feb 11 j 12:31	4°♌03'51	1°41'49		-10912 Oct 02 j 08:30	0°♐	
max. Earth dist.	-10917 Feb 12 j 09:35	4°♌15'58	6.11586 AU	retrograde	-10912 Dec 08 j 18:05	6°♐19'08	
morning rise	-10917 Feb 25 j 05:50	7°♌12'54		opposition	-10911 Feb 08 j 04:46	1°♐26'03	2°30'39
retrograde	-10917 Jul 02 j 05:27	26°♌17'21		min. Earth dist.	-10911 Feb 08 j 19:47	1°♐21'18	4.28979 AU
opposition	-10917 Aug 30 j 04:08	21°♌15'29	-2°23'05		-10911 Feb 19 j 16:32	30°♑	
min. Earth dist.	-10917 Aug 29 j 19:12	21°♌18'32	4.15141 AU	direct	-10911 Apr 11 j 00:48	26°♑30'33	
direct	-10917 Oct 28 j 13:38	16°♌12'24			-10911 May 30 j 00:11	0°♐	
	-10916 Feb 10 j 08:56	0°♑		evening set	-10911 Aug 13 j 11:46	14°♐33'46	
evening set	-10916 Mar 05 j 05:10	5°♑15'21					
				conjunction	-10911 Aug 25 j 20:34	17°♐23'12	1°39'22
conjunction	-10916 Mar 18 j 20:50	8°♑20'47	-1°22'58	minimum elong	-10911 Aug 25 j 20:36	17°♐23'13	1°39'57
minimum elong	-10916 Mar 18 j 20:55	8°♑20'50	1°23'34	max. Earth dist.	-10911 Aug 25 j 05:47	17°♐14'44	6.25520 AU
max. Earth dist.	-10916 Mar 19 j 01:20	8°♑23'21	6.18919 AU	morning rise	-10911 Sep 07 j 06:14	20°♐13'08	
morning rise	-10916 Apr 01 j 10:44	11°♑25'11			-10911 Oct 23 j 05:00	0°♑	
retrograde	-10916 Aug 03 j 06:18	29°♑42'02		retrograde	-10910 Jan 11 j 20:47	8°♑40'39	
opposition	-10916 Oct 01 j 06:15	24°♑43'55	-1°33'19	opposition	-10910 Mar 14 j 11:45	3°♑44'37	2°10'10
min. Earth dist.	-10916 Oct 01 j 09:08	24°♑42'57	4.22890 AU	min. Earth dist.	-10910 Mar 14 j 16:06	3°♑43'14	4.21801 AU
direct	-10916 Nov 30 j 22:18	19°♑39'39			-10910 Apr 16 j 23:23	30°♑	
	-10915 Feb 28 j 12:41	0°♒		direct	-10910 May 14 j 04:46	28°♑51'12	
evening set	-10915 Apr 09 j 01:30	8°♒22'54			-10910 Jun 10 j 06:10	0°♑	
				evening set	-10910 Sep 14 j 10:00	17°♑04'35	
conjunction	-10915 Apr 22 j 12:18	11°♒23'20	-0°37'42				
minimum elong	-10915 Apr 22 j 12:22	11°♒23'22	0°38'12	conjunction	-10910 Sep 27 j 01:06	19°♑59'56	1°09'53
max. Earth dist.	-10915 Apr 22 j 00:26	11°♒16'41	6.26560 AU	minimum elong	-10910 Sep 27 j 01:11	19°♑59'59	1°10'27
morning rise	-10915 May 05 j 19:50	14°♒22'03		max. Earth dist.	-10910 Sep 27 j 03:20	20°♑01'14	6.17789 AU
	-10915 May 08 j 16:08	15°♒		morning rise	-10910 Oct 09 j 18:31	22°♑56'41	
	-10915 Jul 30 j 16:34	0°♓			-10910 Nov 10 j 12:50	0°♓	
retrograde	-10915 Sep 04 j 05:12	1°♓59'45		retrograde	-10909 Feb 16 j 06:17	12°♓07'21	
	-10915 Oct 09 j 22:10	30°♓		opposition	-10909 Apr 18 j 13:38	7°♓07'37	1°06'36
opposition	-10915 Nov 02 j 17:50	27°♓05'10	-0°15'49	min. Earth dist.	-10909 Apr 18 j 06:46	7°♓09'51	4.14021 AU
min. Earth dist.	-10915 Nov 03 j 05:56	27°♓01'11	4.29711 AU	direct	-10909 Jun 17 j 01:16	2°♓14'43	
direct	-10914 Jan 03 j 11:45	22°♓01'30			-10909 Sep 22 j 11:11	15°♓	
asc. node	-10914 Jan 16 j 14:41	22°♓17'15		evening set	-10909 Oct 17 j 20:31	20°♓45'13	
	-10914 Mar 22 j 13:15	0°♓					
evening set	-10914 May 12 j 06:12	10°♓24'08		conjunction	-10909 Oct 30 j 21:35	23°♓48'06	0°16'32
max. Earth dist.	-10914 May 24 j 08:09	13°♓05'19	6.32087 AU	minimum elong	-10909 Oct 30 j 21:37	23°♓48'08	0°16'57
				max. Earth dist.	-10909 Oct 31 j 14:39	23°♓58'05	6.10746 AU
conjunction	-10914 May 25 j 08:23	13°♓18'49	0°18'14	morning rise	-10909 Nov 13 j 02:23	26°♓53'00	
minimum elong	-10914 May 25 j 08:21	13°♓18'48	0°18'01		-10909 Nov 26 j 16:01	0°♔	
morning rise	-10914 Jun 07 j 07:07	16°♓11'45		desc. node	-10908 Feb 17 j 00:38	14°♔43'01	
	-10914 Aug 18 j 15:13	0°♔		retrograde	-10908 Mar 23 j 07:53	16°♔37'24	
retrograde	-10914 Oct 05 j 22:02	3°♔30'25		min. Earth dist.	-10908 May 22 j 07:38	11°♔40'02	4.08312 AU
	-10914 Nov 24 j 08:19	30°♔		opposition	-10908 May 23 j 00:53	11°♔34'16	-0°22'02
opposition	-10914 Dec 05 j 02:29	28°♔38'09	1°04'36	direct	-10908 Jul 20 j 12:35	6°♔39'58	
min. Earth dist.	-10914 Dec 05 j 21:46	28°♔31'56	4.33555 AU	evening set	-10908 Nov 21 j 03:26	25°♔30'58	
direct	-10913 Feb 05 j 13:12	23°♔36'41					
	-10913 Apr 15 j 16:07	0°♔		conjunction	-10908 Dec 04 j 13:58	28°♔39'37	-0°43'41
evening set	-10913 Jun 13 j 03:25	11°♔44'12		minimum elong	-10908 Dec 04 j 13:53	28°♔39'34	0°43'37
				max. Earth dist.	-10908 Dec 05 j 19:56	28°♔57'11	6.06919 AU
conjunction	-10913 Jun 25 j 19:58	14°♔33'59	1°08'01		-10908 Dec 10 j 07:10	0°♕	
minimum elong	-10913 Jun 25 j 19:53	14°♔33'56	1°08'06	morning rise	-10908 Dec 18 j 03:39	1°♕49'59	
max. Earth dist.	-10913 Jun 24 j 15:16	14°♔17'57	6.33876 AU	retrograde	-10907 Apr 28 j 12:36	21°♕45'28	
morning rise	-10913 Jul 08 j 09:47	17°♔22'26		opposition	-10907 Jun 27 j 09:06	16°♕40'35	-1°44'03
	-10913 Sep 10 j 12:20	0°♕		min. Earth dist.	-10907 Jun 26 j 13:12	16°♕47'21	4.06839 AU
retrograde	-10913 Nov 06 j 20:42	4°♕45'35		direct	-10907 Aug 24 j 13:28	11°♕43'21	
	-10912 Jan 05 j 23:34	30°♕			-10907 Dec 24 j 06:26	0°♕	
opposition	-10912 Jan 06 j 19:09	29°♕53'47	2°05'43	evening set	-10907 Dec 27 j 21:28	0°♕50'12	
min. Earth dist.	-10912 Jan 07 j 14:35	29°♕47'36	4.33296 AU				
direct	-10912 Mar 09 j 05:18	24°♕55'17		conjunction	-10906 Jan 10 j 13:08	4°♕00'29	-1°28'24
	-10912 May 08 j 21:09	0°♕		minimum elong	-10906 Jan 10 j 13:03	4°♕00'25	1°28'42
evening set	-10912 Jul 13 j 07:40	12°♕56'19		max. Earth dist.	-10906 Jan 11 j 19:27	4°♕18'06	6.07796 AU
	-10912 Jul 22 j 11:38	15°♕		morning rise	-10906 Jan 24 j 06:47	7°♕11'40	
					-10906 Feb 28 j 10:24	15°♕	

Attention, astronomical year style is used: The year -10906 in astronomical counting style is the year 10907 BCE in historical counting style.

retrograde	-10906 Jun 02 j 19:36	26° $\mathbb{M}$ 48'49		opposition	-10900 Jan 11 j 06:54	4° $\mathcal{B}$ 16'01	2°11'28
min. Earth dist.	-10906 Jul 31 j 08:17	21° $\mathbb{M}$ 50'25	4.10089 AU	min. Earth dist.	-10900 Jan 12 j 03:23	4° $\mathcal{B}$ 09'32	4.32462 AU
opposition	-10906 Aug 01 j 01:18	21° $\mathbb{M}$ 44'35	-2°27'48		-10900 Feb 20 j 23:58	30° $\mathcal{R}$ $\Upsilon$	
direct	-10906 Sep 28 j 14:42	16° $\mathbb{M}$ 43'52		direct	-10900 Mar 13 j 16:19	29° $\mathcal{V}$ 17'54	
	-10905 Jan 07 j 11:09	0° $\mathcal{Z}$			-10900 Apr 04 j 07:06	0° $\mathcal{B}$	
evening set	-10905 Feb 02 j 23:12	5° $\mathcal{Z}$ 53'52			-10900 Jul 07 j 01:07	15° $\mathcal{B}$	
				evening set	-10900 Jul 17 j 13:44	17° $\mathcal{B}$ 20'33	
conjunction	-10905 Feb 16 j 16:10	9° $\mathcal{Z}$ 02'16	-1°40'46	conjunction	-10900 Jul 29 j 22:59	20° $\mathcal{B}$ 08'23	1°39'57
minimum elong	-10905 Feb 16 j 16:11	9° $\mathcal{Z}$ 02'16	1°41'18	minimum elong	-10900 Jul 29 j 22:57	20° $\mathcal{B}$ 08'21	1°40'22
max. Earth dist.	-10905 Feb 17 j 11:22	9° $\mathcal{Z}$ 13'17	6.13006 AU	max. Earth dist.	-10900 Jul 28 j 22:27	19° $\mathcal{B}$ 54'30	6.30252 AU
morning rise	-10905 Mar 02 j 09:03	12° $\mathcal{Z}$ 10'28		morning rise	-10900 Aug 11 j 07:20	22° $\mathcal{B}$ 55'50	
	-10905 Jun 10 j 20:50	0° $\mathcal{B}$			-10900 Sep 12 j 23:21	0° $\mathbb{I}$	
retrograde	-10905 Jul 06 j 21:05	1° $\mathcal{B}$ 06'25		retrograde	-10900 Dec 13 j 09:44	10° $\mathbb{I}$ 50'55	
	-10905 Aug 01 j 14:52	30° $\mathcal{R}$ $\mathcal{Z}$		opposition	-10899 Feb 12 j 21:14	5° $\mathbb{I}$ 57'27	2°30'33
opposition	-10905 Sep 03 j 19:26	26° $\mathcal{Z}$ 05'00	-2°18'33	min. Earth dist.	-10899 Feb 13 j 10:30	5° $\mathbb{I}$ 53'14	4.27488 AU
min. Earth dist.	-10905 Sep 03 j 12:48	26° $\mathcal{Z}$ 07'16	4.16733 AU	direct	-10899 Apr 15 j 12:16	1° $\mathbb{I}$ 02'16	
direct	-10905 Nov 02 j 10:20	21° $\mathcal{Z}$ 01'38		evening set	-10899 Aug 17 j 21:04	19° $\mathbb{I}$ 08'39	
	-10904 Jan 22 j 18:10	0° $\mathcal{B}$		conjunction	-10899 Aug 30 j 06:35	21° $\mathbb{I}$ 59'00	1°36'58
evening set	-10904 Mar 10 j 02:30	10° $\mathcal{B}$ 00'05		minimum elong	-10899 Aug 30 j 06:38	21° $\mathbb{I}$ 59'02	1°37'34
conjunction	-10904 Mar 23 j 17:43	13° $\mathcal{B}$ 04'38	-1°17'58	max. Earth dist.	-10899 Aug 29 j 19:16	21° $\mathbb{I}$ 52'30	6.23884 AU
minimum elong	-10904 Mar 23 j 17:49	13° $\mathcal{B}$ 04'41	1°18'33	morning rise	-10899 Sep 11 j 16:56	24° $\mathbb{I}$ 49'57	
max. Earth dist.	-10904 Mar 23 j 20:22	13° $\mathcal{B}$ 06'08	6.20552 AU		-10899 Oct 04 j 21:32	0° $\mathcal{B}$	
morning rise	-10904 Apr 06 j 06:45	16° $\mathcal{B}$ 08'00					
	-10904 Jun 15 j 15:06	0° $\approx$					
retrograde	-10904 Aug 07 j 14:04	4° $\approx$ 16'45					
	-10904 Sep 30 j 14:36	30° $\mathcal{R}$ $\mathcal{B}$					
opposition	-10904 Oct 05 j 17:02	29° $\mathcal{B}$ 19'08	-1°23'44				
min. Earth dist.	-10904 Oct 05 j 20:48	29° $\mathcal{B}$ 17'52	4.24409 AU				
direct	-10904 Dec 05 j 12:49	24° $\mathcal{B}$ 14'49					
	-10903 Feb 07 j 22:02	0° $\approx$					
evening set	-10903 Apr 13 j 15:36	12° $\approx$ 53'31					
	-10903 Apr 23 j 02:31	15° $\approx$					
max. Earth dist.	-10903 Apr 26 j 09:40	15° $\approx$ 44'17	6.27845 AU				
conjunction	-10903 Apr 27 j 01:14	15° $\approx$ 52'59	-0°30'21				
minimum elong	-10903 Apr 27 j 01:17	15° $\approx$ 53'00	0°30'49				
morning rise	-10903 May 10 j 07:44	18° $\approx$ 50'44					
	-10903 Jul 04 j 02:08	0° $\mathcal{H}$					
retrograde	-10903 Sep 08 j 12:36	6° $\mathcal{H}$ 23'33					
opposition	-10903 Nov 07 j 02:32	1° $\mathcal{H}$ 29'23	-0°04'36				
min. Earth dist.	-10903 Nov 07 j 17:20	1° $\mathcal{H}$ 24'32	4.30649 AU				
	-10903 Nov 18 j 15:35	30° $\mathcal{R}$ $\approx$					
asc. node	-10903 Nov 28 j 21:53	28° $\approx$ 47'22					
direct	-10902 Jan 08 j 00:58	26° $\approx$ 25'53					
	-10902 Feb 27 j 06:10	0° $\mathcal{H}$					
evening set	-10902 May 16 j 14:31	14° $\mathcal{H}$ 45'31					
conjunction	-10902 May 29 j 15:31	17° $\mathcal{H}$ 39'29	0°25'36				
minimum elong	-10902 May 29 j 15:29	17° $\mathcal{H}$ 39'27	0°25'26				
max. Earth dist.	-10902 May 28 j 13:37	17° $\mathcal{H}$ 25'03	6.32587 AU				
morning rise	-10902 Jun 11 j 12:56	20° $\mathcal{H}$ 31'40					
	-10902 Jul 27 j 05:15	0° $\mathcal{V}$					
retrograde	-10902 Oct 10 j 03:35	7° $\mathcal{V}$ 49'48					
opposition	-10902 Dec 09 j 11:17	2° $\mathcal{V}$ 57'41	1°14'21				
min. Earth dist.	-10902 Dec 10 j 06:52	2° $\mathcal{V}$ 51'23	4.33610 AU				
	-10901 Jan 03 j 04:56	30° $\mathcal{R}$ $\mathcal{H}$					
direct	-10901 Feb 09 j 21:52	27° $\mathcal{H}$ 56'31					
	-10901 Mar 19 j 16:26	0° $\mathcal{V}$					
evening set	-10901 Jun 17 j 09:14	16° $\mathcal{V}$ 03'31					
max. Earth dist.	-10901 Jun 28 j 19:18	18° $\mathcal{V}$ 36'31	6.33465 AU				
conjunction	-10901 Jun 30 j 00:37	18° $\mathcal{V}$ 52'57	1°13'25				
minimum elong	-10901 Jun 30 j 00:32	18° $\mathcal{V}$ 52'54	1°13'34				
morning rise	-10901 Jul 12 j 13:29	21° $\mathcal{V}$ 41'08					
	-10901 Aug 20 j 22:14	0° $\mathcal{B}$					
retrograde	-10901 Nov 11 j 07:48	9° $\mathcal{B}$ 07'51					