Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

opposition	-7400 Mar 02 j 12:35	17°♋04'07	2°14'18
min. Earth dist.	-7400 Mar 03 j 10:57	16°♋57'01	4.28867 AU
direct	-7400 May 03 j 12:03	12°♋07'13	
	-7400 Sep 04 j 12:20	0°♌	
evening set	-7400 Sep 05 j 18:48	0°♌17'18	
max. Earth dist.	-7400 Sep 17 j 04:42	2°♌53'47	6.24691 AU
conjunction	-7400 Sep 18 j 05:22	3°♌07'56	1°23'25
minimum elong	-7400 Sep 18 j 05:26	3°♌07'58	1°23'52
morning rise	-7400 Sep 30 j 16:00	5°♌58'46	
	-7400 Nov 11 j 13:48	15°♌	
retrograde	-7399 Feb 03 j 14:44	24°♌23'21	
opposition	-7399 Apr 05 j 22:15	19°♌28'41	1°41'23
min. Earth dist.	-7399 Apr 06 j 11:07	19°♌24'34	4.20248 AU
	-7399 May 20 j 08:50	15°℞♌	
direct	-7399 Jun 05 j 21:14	14°♌34'22	
	-7399 Jun 22 j 07:18	15°♌	
	-7399 Sep 24 j 21:04	0°♍	
evening set	-7399 Oct 07 j 21:03	2°♍58'33	
conjunction	-7399 Oct 20 j 12:20	5°♍55'01	0°48'05
minimum elong	-7399 Oct 20 j 12:24	5°♍55'03	0°48'21
max. Earth dist.	-7399 Oct 20 j 04:39	5°♍50'32	6.15698 AU
morning rise	-7399 Nov 02 j 05:36	8°♍52'40	
retrograde	-7398 Mar 11 j 05:13	28°♍05'52	
opposition	-7398 May 11 j 10:15	23°♍07'27	0°33'34
min. Earth dist.	-7398 May 11 j 06:59	23°♍08'31	4.11492 AU
direct	-7398 Jul 10 j 01:03	18°♍14'30	
	-7398 Oct 10 j 19:14	0°♎	
desc. node	-7398 Oct 22 j 15:22	2°♎36'26	
evening set	-7398 Nov 10 j 11:29	6°♎56'55	
conjunction	-7398 Nov 23 j 10:53	10°♎00'17	-0°04'27
minimum elong	-7398 Nov 23 j 10:52	10°♎00'17	0°04'29
behind sun begin	-7398 Nov 23 j 02:54	9°♎55'35	
behind sun end	-7398 Nov 23 j 18:51	10°♎04'58	
max. Earth dist.	-7398 Nov 24 j 01:33	10°♎08'55	6.08035 AU
morning rise	-7398 Dec 06 j 13:22	13°♎05'24	
	-7397 Mar 03 j 08:34	0°♏	
retrograde	-7397 Apr 16 j 21:12	2°♏58'09	
	-7397 May 31 j 11:15	30°℞♎	
opposition	-7397 Jun 16 j 12:55	27°♎55'52	-0°48'27
min. Earth dist.	-7397 Jun 15 j 20:22	28°♎01'23	4.05616 AU
direct	-7397 Aug 14 j 02:39	23°♎02'20	
	-7397 Oct 21 j 01:50	0°♏	
evening set	-7397 Dec 15 j 21:00	12°♏02'17	
	-7397 Dec 28 j 10:22	15°♏	
conjunction	-7397 Dec 29 j 04:32	15°♏10'44	-0°56'21
minimum elong	-7397 Dec 29 j 04:27	15°♏10'41	0°56'39
max. Earth dist.	-7397 Dec 30 j 13:22	15°♏30'08	6.04432 AU
morning rise	-7396 Jan 11 j 15:30	18°♏20'59	
	-7396 Mar 05 j 07:15	0°♐	
retrograde	-7396 May 22 j 10:31	8°♐27'16	
min. Earth dist.	-7396 Jul 20 j 10:20	3°♐30'55	4.04801 AU
opposition	-7396 Jul 21 j 11:12	3°♐22'30	-1°53'46
	-7396 Aug 18 j 00:33	30°℞♏	
direct	-7396 Sep 17 j 12:26	28°♏26'30	
	-7396 Oct 18 j 02:40	0°♐	
evening set	-7395 Jan 20 j 14:29	17°♐35'55	
conjunction	-7395 Feb 03 j 04:11	20°♐46'02	-1°27'48
minimum elong	-7395 Feb 03 j 04:09	20°♐46'01	1°28'16
max. Earth dist.	-7395 Feb 04 j 18:49	21°♐08'38	6.06321 AU
morning rise	-7395 Feb 16 j 20:29	23°♐57'22	
	-7395 Mar 15 j 14:50	0°♑	
retrograde	-7395 Jun 27 j 00:58	13°♑43'09	
opposition	-7395 Aug 25 j 12:11	8°♑38'17	-2°16'32
min. Earth dist.	-7395 Aug 24 j 13:09	8°♑46'10	4.09299 AU
direct	-7395 Oct 22 j 22:36	3°♑38'52	
evening set	-7394 Feb 26 j 12:39	22°♑43'44	
conjunction	-7394 Mar 12 j 06:10	25°♑52'30	-1°26'54
minimum elong	-7394 Mar 12 j 06:14	25°♑52'32	1°27'23
max. Earth dist.	-7394 Mar 13 j 14:07	26°♑10'50	6.12989 AU
morning rise	-7394 Mar 26 j 00:07	29°♑01'22	
	-7394 Mar 30 j 07:28	0°♒	
	-7394 Jun 17 j 03:12	15°♒	
retrograde	-7394 Jul 31 j 03:07	18°♒00'44	
	-7394 Sep 12 j 22:43	15°℞♒	
opposition	-7394 Sep 28 j 06:56	12°♒58'16	-1°50'33
min. Earth dist.	-7394 Sep 27 j 16:40	13°♒03'07	4.17441 AU
direct	-7394 Nov 26 j 16:27	7°♒55'54	
	-7393 Feb 05 j 12:15	15°♒	
evening set	-7393 Apr 03 j 13:01	26°♒44'12	
conjunction	-7393 Apr 17 j 06:10	29°♒49'07	-0°56'01
minimum elong	-7393 Apr 17 j 06:15	29°♒49'09	0°56'19
max. Earth dist.	-7393 Apr 17 j 17:38	29°♒55'34	6.22003 AU
	-7393 Apr 18 j 01:31	0°♓	
morning rise	-7393 Apr 30 j 22:00	2°♓53'09	
retrograde	-7393 Sep 01 j 15:55	21°♓00'03	
opposition	-7393 Oct 30 j 21:40	16°♓01'17	-0°49'19
min. Earth dist.	-7393 Oct 30 j 20:43	16°♓01'36	4.26420 AU
direct	-7393 Dec 30 j 13:47	10°♓57'21	
evening set	-7392 May 07 j 00:32	29°♓24'51	
	-7392 May 09 j 16:16	0°♈	
conjunction	-7392 May 20 j 12:34	2°♈24'16	-0°08'00
minimum elong	-7392 May 20 j 12:35	2°♈24'16	0°08'02
behind sun begin	-7392 May 20 j 05:16	2°♈20'14	
behind sun end	-7392 May 20 j 19:53	2°♈28'18	
max. Earth dist.	-7392 May 20 j 04:01	2°♈19'32	6.30367 AU
morning rise	-7392 Jun 02 j 21:23	5°♈22'00	
asc. node	-7392 Jul 21 j 19:43	15°♈24'41	
retrograde	-7392 Oct 02 j 04:09	22°♈48'49	
opposition	-7392 Nov 30 j 19:14	17°♈53'47	0°24'45
min. Earth dist.	-7392 Dec 01 j 07:00	17°♈49'55	4.33484 AU
direct	-7391 Jan 31 j 14:11	12°♈50'05	
	-7391 Jun 04 j 08:14	0°♉	
evening set	-7391 Jun 08 j 22:27	1°♉00'11	
max. Earth dist.	-7391 Jun 20 j 22:12	3°♉38'44	6.35560 AU
conjunction	-7391 Jun 22 j 01:10	3°♉53'38	0°41'23
minimum elong	-7391 Jun 22 j 01:06	3°♉53'36	0°41'37
morning rise	-7391 Jul 05 j 00:32	6°♉45'22	
	-7391 Aug 13 j 13:12	15°♉	
retrograde	-7391 Nov 02 j 09:58	23°♉54'29	
opposition	-7390 Jan 01 j 14:04	19°♉02'03	1°30'00
min. Earth dist.	-7390 Jan 02 j 12:23	18°♉54'51	4.36538 AU
	-7390 Feb 07 j 03:44	15°℞♉	
direct	-7390 Mar 05 j 01:59	13°♉59'57	
	-7390 Mar 31 j 03:58	15°♉	
	-7390 Jul 01 j 10:36	0°♊	
evening set	-7390 Jul 10 j 15:45	2°♊00'55	
max. Earth dist.	-7390 Jul 21 j 22:32	4°♊30'51	6.36108 AU
conjunction	-7390 Jul 23 j 09:03	4°♊50'03	1°18'13
minimum elong	-7390 Jul 23 j 08:59	4°♊50'01	1°18'38
morning rise	-7390 Aug 04 j 23:17	7°♊37'46	

Attention, astronomical year style is used: The year -7390 in astronomical counting style is the year 7391 BCE in historical counting style.

retrograde	-7390 Dec 04 j 01:33	24°♊53'44	
opposition	-7389 Feb 02 j 20:32	20°♊02'16	2°09'32
min. Earth dist.	-7389 Feb 03 j 21:59	19°♊54'10	4.34671 AU
direct	-7389 Apr 06 j 08:56	15°♊02'49	
	-7389 Jul 27 j 21:14	0°♋	
evening set	-7389 Aug 10 j 18:58	3°♋04'02	
max. Earth dist.	-7389 Aug 21 j 19:27	5°♋32'36	6.31847 AU
conjunction	-7389 Aug 23 j 05:57	5°♋52'03	1°32'45
minimum elong	-7389 Aug 23 j 05:57	5°♋52'03	1°33'15
morning rise	-7389 Sep 04 j 15:34	8°♋39'29	
retrograde	-7388 Jan 05 j 22:41	26°♋24'29	
opposition	-7388 Mar 07 j 03:14	21°♋32'04	2°12'05
min. Earth dist.	-7388 Mar 08 j 01:51	21°♋24'54	4.28320 AU
direct	-7388 May 08 j 01:48	16°♋35'32	
	-7388 Aug 19 j 16:33	0°♌	
evening set	-7388 Sep 10 j 01:22	4°♌45'30	
conjunction	-7388 Sep 22 j 12:15	7°♌36'35	1°20'01
minimum elong	-7388 Sep 22 j 12:18	7°♌36'37	1°20'26
max. Earth dist.	-7388 Sep 21 j 12:32	7°♌22'58	6.23920 AU
morning rise	-7388 Oct 04 j 23:25	10°♌28'00	
	-7388 Oct 25 j 05:38	15°♌	
retrograde	-7387 Feb 08 j 05:57	28°♌57'44	
opposition	-7387 Apr 10 j 15:17	24°♌02'38	1°33'55
min. Earth dist.	-7387 Apr 11 j 01:51	23°♌59'15	4.19293 AU
direct	-7387 Jun 10 j 09:44	19°♌08'34	
	-7387 Sep 08 j 05:31	0°♍	
evening set	-7387 Oct 12 j 06:47	7°♍34'17	
conjunction	-7387 Oct 24 j 22:59	10°♍31'36	0°41'43
minimum elong	-7387 Oct 24 j 23:03	10°♍31'38	0°41'56
max. Earth dist.	-7387 Oct 24 j 17:39	10°♍28'29	6.14654 AU
morning rise	-7387 Nov 06 j 17:16	13°♍30'11	
	-7386 Jan 31 j 12:06	0°♎	
retrograde	-7386 Mar 16 j 03:14	2°♎49'26	
	-7386 Apr 29 j 01:46	30°℞♍	
opposition	-7386 May 16 j 05:45	27°♍50'32	0°22'48
min. Earth dist.	-7386 May 16 j 01:58	27°♍51'46	4.10422 AU
direct	-7386 Jul 14 j 17:47	22°♍57'34	
desc. node	-7386 Sep 03 j 14:05	26°♍58'29	
	-7386 Sep 21 j 17:57	0°♎	
evening set	-7386 Nov 15 j 03:01	11°♎43'02	
conjunction	-7386 Nov 28 j 03:35	14°♎47'20	-0°11'51
minimum elong	-7386 Nov 28 j 03:33	14°♎47'19	0°11'56
behind sun begin	-7386 Nov 27 j 21:53	14°♎43'59	
behind sun end	-7386 Nov 28 j 09:13	14°♎50'39	
max. Earth dist.	-7386 Nov 28 j 19:57	14°♎57'00	6.07051 AU
morning rise	-7386 Dec 11 j 07:24	17°♎53'28	
	-7385 Feb 05 j 11:53	0°♏	
retrograde	-7385 Apr 21 j 19:54	7°♏50'56	
opposition	-7385 Jun 21 j 09:43	2°♏48'17	-0°58'52
min. Earth dist.	-7385 Jun 20 j 15:28	2°♏54'21	4.04842 AU
	-7385 Jul 13 j 20:44	30°℞♎	
direct	-7385 Aug 18 j 19:19	27°♎54'31	
	-7385 Sep 23 j 11:41	0°♏	
	-7385 Dec 12 j 09:01	15°♏	
evening set	-7385 Dec 20 j 19:03	16°♏57'57	
conjunction	-7384 Jan 03 j 03:35	20°♏07'03	-1°02'08
minimum elong	-7384 Jan 03 j 03:30	20°♏07'00	1°02'29
max. Earth dist.	-7384 Jan 04 j 12:56	20°♏26'46	6.03922 AU
morning rise	-7384 Jan 16 j 15:34	23°♏17'56	
	-7384 Feb 15 j 02:58	0°♐	
retrograde	-7384 May 27 j 09:36	13°♐25'28	
min. Earth dist.	-7384 Jul 25 j 06:57	8°♐28'58	4.04626 AU
opposition	-7384 Jul 26 j 07:50	8°♐20'30	-1°59'41
direct	-7384 Sep 22 j 09:19	3°♐24'03	
evening set	-7383 Jan 25 j 16:40	22°♐35'36	
conjunction	-7383 Feb 08 j 07:18	25°♐46'00	-1°29'35
minimum elong	-7383 Feb 08 j 07:16	25°♐45'59	1°30'05
max. Earth dist.	-7383 Feb 09 j 23:26	26°♐09'26	6.06506 AU
morning rise	-7383 Feb 22 j 00:00	28°♐57'25	
	-7383 Feb 26 j 12:27	0°♑	
retrograde	-7383 Jul 01 j 22:16	18°♑39'48	
min. Earth dist.	-7383 Aug 29 j 08:06	13°♑42'50	4.09841 AU
opposition	-7383 Aug 30 j 06:37	13°♑35'08	-2°15'37
direct	-7383 Oct 27 j 18:39	8°♑35'16	
evening set	-7382 Mar 03 j 15:05	27°♑39'48	
	-7382 Mar 13 j 20:24	0°♒	
conjunction	-7382 Mar 17 j 08:44	0°♒48'18	-1°24'06
minimum elong	-7382 Mar 17 j 08:48	0°♒48'20	1°24'33
max. Earth dist.	-7382 Mar 18 j 13:54	1°♒05'00	6.13835 AU
morning rise	-7382 Mar 31 j 02:53	3°♒56'49	
	-7382 May 22 j 12:33	15°♒	
retrograde	-7382 Aug 04 j 17:58	22°♒49'42	
opposition	-7382 Oct 02 j 22:06	17°♒47'34	-1°43'32
min. Earth dist.	-7382 Oct 02 j 08:58	17°♒52'02	4.18494 AU
	-7382 Oct 24 j 18:27	15°℞♒	
direct	-7382 Dec 01 j 11:26	12°♒44'49	
	-7381 Jan 08 j 15:40	15°♒	
	-7381 Apr 01 j 16:01	0°♓	
evening set	-7381 Apr 08 j 11:22	1°♓30'41	
conjunction	-7381 Apr 22 j 04:15	4°♓34'57	-0°49'54
minimum elong	-7381 Apr 22 j 04:19	4°♓35'00	0°50'09
max. Earth dist.	-7381 Apr 22 j 14:37	4°♓40'47	6.23196 AU
morning rise	-7381 May 05 j 19:15	7°♓38'10	
retrograde	-7381 Sep 06 j 03:22	25°♓38'21	
opposition	-7381 Nov 04 j 09:54	20°♓40'02	-0°39'07
min. Earth dist.	-7381 Nov 04 j 10:28	20°♓39'51	4.27605 AU
direct	-7380 Jan 04 j 06:12	15°♓36'01	
	-7380 Apr 23 j 04:59	0°♈	
evening set	-7380 May 11 j 17:17	4°♈00'16	
conjunction	-7380 May 25 j 04:06	6°♈58'46	-0°00'47
minimum elong	-7380 May 25 j 04:04	6°♈58'45	0°00'47
behind sun begin	-7380 May 24 j 19:51	6°♈54'13	
behind sun end	-7380 May 25 j 12:17	7°♈03'17	
max. Earth dist.	-7380 May 24 j 15:59	6°♈52'04	6.31418 AU
asc. node	-7380 May 31 j 02:19	8°♈17'33	
morning rise	-7380 Jun 07 j 11:47	9°♈55'34	
retrograde	-7380 Oct 06 j 12:31	27°♈17'58	
opposition	-7380 Dec 05 j 05:44	22°♈23'16	0°34'51
min. Earth dist.	-7380 Dec 05 j 19:19	22°♈18'48	4.34310 AU
direct	-7379 Feb 05 j 04:13	17°♈19'37	
	-7379 May 18 j 19:59	0°♉	
evening set	-7379 Jun 13 j 10:03	5°♉27'21	
max. Earth dist.	-7379 Jun 25 j 08:08	8°♉04'54	6.36072 AU
conjunction	-7379 Jun 26 j 11:29	8°♉20'01	0°47'32
minimum elong	-7379 Jun 26 j 11:25	8°♉19'59	0°47'49
morning rise	-7379 Jul 09 j 09:17	11°♉10'55	
	-7379 Jul 27 j 01:16	15°♉	
retrograde	-7379 Nov 06 j 17:42	28°♉18'59	
opposition	-7378 Jan 06 j 00:37	23°♉26'46	1°37'21
min. Earth dist.	-7378 Jan 06 j 23:25	23°♉19'27	4.36706 AU
direct	-7378 Mar 09 j 13:37	18°♉25'00	
	-7378 Jun 14 j 20:33	0°♊	
evening set	-7378 Jul 15 j 00:07	6°♊25'03	
max. Earth dist.	-7378 Jul 26 j 03:31	8°♊53'22	6.35884 AU

Attention, astronomical year style is used: The year -7378 in astronomical counting style is the year 7379 BCE in historical counting style.

conjunction	-7378 Jul	27 j 16:07	9♊13'44	1°21'44
minimum elong	-7378 Jul	27 j 16:03	9♊13'42	1°22'10
morning rise	-7378 Aug	09 j 05:33	12♊01'09	
retrograde	-7378 Dec	08 j 13:43	29♊19'41	
opposition	-7377 Feb	07 j 09:44	24♊28'11	2°12'16
min. Earth dist.	-7377 Feb	08 j 12:05	24♊19'48	4.34073 AU
direct	-7377 Apr	10 j 21:57	19♊29'04	
	-7377 Jul	10 j 23:25	0°♋	
evening set	-7377 Aug	15 j 02:19	7°♋30'59	
max. Earth dist.	-7377 Aug	26 j 03:55	10°♋00'29	6.30915 AU
conjunction	-7377 Aug	27 j 13:05	10°♋19'13	1°32'38
minimum elong	-7377 Aug	27 j 13:05	10°♋19'13	1°33'08
morning rise	-7377 Sep	08 j 22:26	13°♋06'57	
	-7377 Dec	16 j 13:26	0°♌	
retrograde	-7376 Jan	10 j 13:38	0°♌57'30	
	-7376 Feb	04 j 17:21	30°℞♋	
opposition	-7376 Mar	11 j 20:13	26°♋04'49	2°09'11
min. Earth dist.	-7376 Mar	12 j 17:03	25°♋58'13	4.27116 AU
direct	-7376 May	12 j 14:49	21°♋08'42	
	-7376 Aug	01 j 20:19	0°♌	
evening set	-7376 Sep	14 j 11:12	9°♌20'51	
conjunction	-7376 Sep	26 j 22:26	12°♌12'40	1°16'05
minimum elong	-7376 Sep	26 j 22:29	12°♌12'43	1°16'29
max. Earth dist.	-7376 Sep	26 j 00:19	11°♌59'56	6.22550 AU
morning rise	-7376 Oct	09 j 10:21	15°♌05'00	
	-7376 Oct	09 j 01:37	15°♌	
	-7376 Dec	24 j 17:46	0°♍	
retrograde	-7375 Feb	13 j 05:03	3°♍42'07	
	-7375 Apr	05 j 21:02	30°℞♌	
opposition	-7375 Apr	15 j 12:46	28°♌46'34	1°25'37
min. Earth dist.	-7375 Apr	15 j 22:15	28°♌43'32	4.17834 AU
direct	-7375 Jun	15 j 03:41	23°♌52'45	
	-7375 Aug	19 j 00:02	0°♍	
evening set	-7375 Oct	16 j 21:31	12°♍21'45	
conjunction	-7375 Oct	29 j 14:53	15°♍20'11	0°34'48
minimum elong	-7375 Oct	29 j 14:57	15°♍20'13	0°34'59
max. Earth dist.	-7375 Oct	29 j 12:36	15°♍18'50	6.13263 AU
morning rise	-7375 Nov	11 j 10:30	18°♍19'58	
	-7374 Jan	04 j 22:43	0°♎	
retrograde	-7374 Mar	21 j 05:38	7°♎46'18	
opposition	-7374 May	21 j 06:44	2°♎46'56	0°11'20
min. Earth dist.	-7374 May	21 j 00:10	2°♎49'05	4.09239 AU
	-7374 Jun	12 j 23:23	30°℞♍	
desc. node	-7374 Jul	14 j 14:20	27°♍56'33	
direct	-7374 Jul	19 j 13:01	27°♍54'05	
	-7374 Aug	24 j 15:59	0°♎	
evening set	-7374 Nov	20 j 00:32	16°♎42'59	
conjunction	-7374 Dec	03 j 02:13	19°♎48'11	-0°19'34
minimum elong	-7374 Dec	03 j 02:11	19°♎48'10	0°19'40
max. Earth dist.	-7374 Dec	03 j 21:13	19°♎59'26	6.06193 AU
morning rise	-7374 Dec	16 j 07:22	22°♎55'17	
	-7373 Jan	16 j 11:58	0°♏	
retrograde	-7373 Apr	26 j 23:39	12°♏56'43	
opposition	-7373 Jun	26 j 11:42	7°♏53'38	-1°09'21
min. Earth dist.	-7373 Jun	25 j 15:43	8°♏00'19	4.04430 AU
direct	-7373 Aug	23 j 19:21	2°♏59'40	
	-7373 Nov	24 j 18:07	15°♏	
evening set	-7373 Dec	25 j 22:11	22°♏05'04	
conjunction	-7372 Jan	08 j 07:48	25°♏14'33	-1°07'43
minimum elong	-7372 Jan	08 j 07:44	25°♏14'31	1°08'05
max. Earth dist.	-7372 Jan	09 j 20:51	25°♏36'25	6.04016 AU
morning rise	-7372 Jan	21 j 20:32	28°♏25'43	
	-7372 Jan	28 j 14:27	0°♐	
retrograde	-7372 Jun	01 j 11:54	18°♐31'16	
min. Earth dist.	-7372 Jul	30 j 05:52	13°♐34'51	4.05263 AU
opposition	-7372 Jul	31 j 07:11	13°♐26'15	-2°04'52
direct	-7372 Sep	27 j 09:16	8°♐29'25	
evening set	-7371 Jan	30 j 21:14	27°♐39'54	
	-7371 Feb	09 j 22:22	0°♑	
conjunction	-7371 Feb	13 j 12:15	0°♑50'00	-1°30'49
minimum elong	-7371 Feb	13 j 12:14	0°♑50'00	1°31'19
max. Earth dist.	-7371 Feb	15 j 03:06	1°♑12'37	6.07603 AU
morning rise	-7371 Feb	27 j 05:28	4°♑01'03	
retrograde	-7371 Jul	06 j 15:53	23°♑36'12	
min. Earth dist.	-7371 Sep	03 j 02:27	18°♑39'21	4.11286 AU
opposition	-7371 Sep	04 j 00:43	18°♑31'43	-2°13'43
direct	-7371 Nov	01 j 15:47	13°♑31'23	
	-7370 Feb	25 j 09:03	0°♒	
evening set	-7370 Mar	08 j 15:37	2°♒32'12	
conjunction	-7370 Mar	22 j 09:28	5°♒40'02	-1°20'48
minimum elong	-7370 Mar	22 j 09:32	5°♒40'04	1°21'13
max. Earth dist.	-7370 Mar	23 j 13:19	5°♒55'55	6.15514 AU
morning rise	-7370 Apr	05 j 03:14	8°♒47'40	
	-7370 May	03 j 08:27	15°♒	
retrograde	-7370 Aug	09 j 06:48	27°♒31'27	
opposition	-7370 Oct	07 j 10:36	22°♒29'48	-1°36'02
min. Earth dist.	-7370 Oct	06 j 23:48	22°♒33'28	4.20210 AU
direct	-7370 Dec	06 j 04:49	17°♒26'48	
	-7369 Mar	15 j 20:34	0°♓	
evening set	-7369 Apr	13 j 05:35	6°♓08'02	
conjunction	-7369 Apr	26 j 21:49	9°♓11'24	-0°43'42
minimum elong	-7369 Apr	26 j 21:53	9°♓11'26	0°43'54
max. Earth dist.	-7369 Apr	27 j 04:14	9°♓15'00	6.24805 AU
morning rise	-7369 May	10 j 12:04	12°♓13'37	
	-7369 Sep	02 j 09:13	0°♈	
retrograde	-7369 Sep	10 j 08:54	0°♈06'24	
	-7369 Sep	18 j 08:56	30°℞♓	
opposition	-7369 Nov	08 j 17:59	25°♓08'35	-0°29'06
min. Earth dist.	-7369 Nov	08 j 20:26	25°♓07'46	4.28970 AU
direct	-7368 Jan	08 j 18:21	20°♓04'27	
	-7368 Apr	05 j 21:13	0°♈	
asc. node	-7368 Apr	11 j 04:40	1°♈02'16	
evening set	-7368 May	16 j 05:14	8°♈25'20	
conjunction	-7368 May	29 j 14:55	11°♈22'55	0°06'13
minimum elong	-7368 May	29 j 14:55	11°♈22'54	0°06'15
behind sun begin	-7368 May	29 j 07:11	11°♈18'39	
behind sun end	-7368 May	29 j 22:38	11°♈27'10	
max. Earth dist.	-7368 May	29 j 00:06	11°♈14'43	6.32438 AU
morning rise	-7368 Jun	11 j 21:18	14°♈18'47	
	-7368 Sep	08 j 14:02	0°♉	
retrograde	-7368 Oct	10 j 17:42	1°♉37'33	
	-7368 Nov	11 j 22:10	30°℞♈	
opposition	-7368 Dec	09 j 12:23	26°♈43'19	0°44'21
min. Earth dist.	-7368 Dec	10 j 04:13	26°♈38'08	4.34911 AU
direct	-7367 Feb	09 j 14:15	21°♈39'51	
	-7367 Apr	30 j 23:15	0°♉	
evening set	-7367 Jun	17 j 17:34	9°♉46'10	
max. Earth dist.	-7367 Jun	29 j 10:38	12°♉21'05	6.36177 AU
conjunction	-7367 Jun	30 j 17:38	12°♉38'13	0°53'13
minimum elong	-7367 Jun	30 j 17:34	12°♉38'11	0°53'30
	-7367 Jul	11 j 10:21	15°♉	
morning rise	-7367 Jul	13 j 14:20	15°♉28'36	
	-7367 Sep	30 j 10:59	0°♊	
retrograde	-7367 Nov	11 j 00:24	2°♊37'28	

Attention, astronomical year style is used: The year -7367 in astronomical counting style is the year 7368 BCE in historical counting style.

	-7367 Dec 23 j 04:00	30°℞♉		
opposition	-7366 Jan 10 j 08:54	27°♉45'25	1°43'58	
min. Earth dist.	-7366 Jan 11 j 09:10	27°♉37'38	4.36336 AU	
direct	-7366 Mar 13 j 22:33	22°♉43'53		
	-7366 May 27 j 08:00	0°♊		
evening set	-7366 Jul 19 j 05:59	10°♊44'53		
max. Earth dist.	-7366 Jul 30 j 09:05	13°♊13'20	6.35055 AU	
conjunction	-7366 Jul 31 j 21:11	13°♊33'29	1°24'42	
minimum elong	-7366 Jul 31 j 21:08	13°♊33'27	1°25'09	
morning rise	-7366 Aug 13 j 09:40	16°♊20'52		
	-7366 Oct 23 j 14:37	0°♋		
retrograde	-7366 Dec 13 j 00:17	3°♋44'04		
	-7365 Feb 02 j 23:32	30°℞♊		
opposition	-7365 Feb 11 j 22:01	28°♊52'33	2°14'12	
min. Earth dist.	-7365 Feb 13 j 00:05	28°♊44'17	4.32857 AU	
direct	-7365 Apr 15 j 08:03	23°♊53'52		
	-7365 Jun 21 j 06:01	0°♋		
evening set	-7365 Aug 19 j 09:42	11°♋58'29		
max. Earth dist.	-7365 Aug 30 j 10:43	14°♋28'17	6.29400 AU	
conjunction	-7365 Aug 31 j 20:06	14°♋47'12	1°31'56	
minimum elong	-7365 Aug 31 j 20:07	14°♋47'13	1°32'26	
morning rise	-7365 Sep 13 j 05:41	17°♋35'36		
	-7365 Nov 13 j 15:12	0°♌		
retrograde	-7364 Jan 15 j 08:26	5°♌33'41		
opposition	-7364 Mar 16 j 14:24	0°♌40'41	2°05'25	
min. Earth dist.	-7364 Mar 17 j 10:16	0°♌34'22	4.25402 AU	
	-7364 Mar 21 j 22:46	30°℞♋		
direct	-7364 May 17 j 05:27	25°♋44'53		
	-7364 Jul 10 j 09:08	0°♌		
evening set	-7364 Sep 18 j 22:19	14°♌00'44		
	-7364 Sep 23 j 05:29	15°♌		
conjunction	-7364 Oct 01 j 10:23	16°♌53'36	1°11'33	
minimum elong	-7364 Oct 01 j 10:27	16°♌53'39	1°11'56	
max. Earth dist.	-7364 Sep 30 j 15:55	16°♌42'56	6.20804 AU	
morning rise	-7364 Oct 13 j 23:08	19°♌47'03		
	-7364 Nov 30 j 15:18	0°♍		
retrograde	-7363 Feb 18 j 05:22	8°♍32'36		
opposition	-7363 Apr 20 j 12:33	3°♍36'33	1°16'32	
min. Earth dist.	-7363 Apr 20 j 19:11	3°♍34'25	4.16193 AU	
	-7363 May 22 j 05:03	30°℞♌		
direct	-7363 Jun 19 j 21:47	28°♌43'00		
	-7363 Jul 18 j 09:24	0°♍		
evening set	-7363 Oct 21 j 14:57	17°♍15'38		
conjunction	-7363 Nov 03 j 09:20	20°♍15'08	0°27'30	
minimum elong	-7363 Nov 03 j 09:23	20°♍15'09	0°27'37	
max. Earth dist.	-7363 Nov 03 j 10:06	20°♍15'35	6.11875 AU	
morning rise	-7363 Nov 16 j 06:22	23°♍16'08		
	-7363 Dec 16 j 02:10	0°♎		
retrograde	-7362 Mar 26 j 09:57	12°♎49'06		
desc. node	-7362 May 24 j 02:52	8°♎07'03		
opposition	-7362 May 26 j 09:45	7°♎49'03	-0°00'29	
min. Earth dist.	-7362 May 26 j 00:24	7°♎52'07	4.08222 AU	
direct	-7362 Jul 24 j 12:26	2°♎56'08		
evening set	-7362 Nov 25 j 00:21	21°♎47'34		
conjunction	-7362 Dec 08 j 03:21	24°♎53'34	-0°27'16	
minimum elong	-7362 Dec 08 j 03:18	24°♎53'32	0°27'25	
max. Earth dist.	-7362 Dec 09 j 03:13	25°♎07'41	6.05632 AU	
morning rise	-7362 Dec 21 j 09:36	28°♎01'23		
	-7362 Dec 29 j 21:01	0°♏		
	-7361 Mar 17 j 23:57	15°♏		
retrograde	-7361 May 02 j 04:55	18°♏04'45		
	-7361 Jun 16 j 09:47	15°℞♏		
opposition	-7361 Jul 01 j 14:16	13°♏01'13	-1°19'25	
min. Earth dist.	-7361 Jun 30 j 17:00	13°♏08'21	4.04390 AU	
direct	-7361 Aug 28 j 20:20	8°♏06'56		
	-7361 Nov 04 j 07:36	15°♏		
evening set	-7361 Dec 31 j 02:22	27°♏12'53		
	-7360 Jan 11 j 22:30	0°♐		
conjunction	-7360 Jan 13 j 12:40	0°♐22'29	-1°12'49	
minimum elong	-7360 Jan 13 j 12:36	0°♐22'27	1°13'13	
max. Earth dist.	-7360 Jan 15 j 01:50	0°♐44'23	6.04434 AU	
morning rise	-7360 Jan 27 j 02:19	3°♐33'45		
retrograde	-7360 Jun 06 j 11:11	23°♐35'50		
min. Earth dist.	-7360 Aug 04 j 03:50	18°♐39'35	4.06103 AU	
opposition	-7360 Aug 05 j 05:58	18°♐30'41	-2°09'08	
direct	-7360 Oct 02 j 08:42	13°♐33'20		
	-7359 Jan 24 j 05:56	0°♑		
evening set	-7359 Feb 05 j 01:23	2°♑42'13		
conjunction	-7359 Feb 18 j 17:01	5°♑52'01	-1°31'24	
minimum elong	-7359 Feb 18 j 17:01	5°♑52'01	1°31'54	
max. Earth dist.	-7359 Feb 20 j 07:44	6°♑14'30	6.08775 AU	
morning rise	-7359 Mar 04 j 10:19	9°♑02'34		
retrograde	-7359 Jul 11 j 11:13	28°♑30'25		
opposition	-7359 Sep 08 j 18:19	23°♑26'15	-2°10'58	
min. Earth dist.	-7359 Sep 07 j 22:08	23°♑33'09	4.12661 AU	
direct	-7359 Nov 06 j 13:12	18°♑25'30		
	-7358 Feb 07 j 20:00	0°♒		
evening set	-7358 Mar 13 j 16:14	7°♒23'10		
conjunction	-7358 Mar 27 j 10:04	10°♒30'23	-1°16'59	
minimum elong	-7358 Mar 27 j 10:08	10°♒30'26	1°17'24	
max. Earth dist.	-7358 Mar 28 j 11:00	10°♒44'34	6.16978 AU	
morning rise	-7358 Apr 10 j 03:38	13°♒37'18		
	-7358 Apr 16 j 06:53	15°♒		
	-7358 Jul 07 j 08:40	0°♓		
retrograde	-7358 Aug 13 j 17:49	2°♓12'57		
	-7358 Sep 19 j 23:00	30°℞♒		
opposition	-7358 Oct 11 j 23:10	27°♒11'50	-1°27'59	
min. Earth dist.	-7358 Oct 11 j 13:33	27°♒15'05	4.21636 AU	
direct	-7358 Dec 10 j 21:01	22°♒08'35		
	-7357 Feb 24 j 18:28	0°♓		
evening set	-7357 Apr 18 j 00:38	10°♓46'34		
conjunction	-7357 May 01 j 16:12	13°♓49'08	-0°37'11	
minimum elong	-7357 May 01 j 16:16	13°♓49'10	0°37'23	
max. Earth dist.	-7357 May 01 j 18:54	13°♓50'39	6.26102 AU	
morning rise	-7357 May 15 j 05:37	16°♓50'28		
	-7357 Jul 21 j 04:56	0°♈		
retrograde	-7357 Sep 14 j 18:43	4°♈37'14		
	-7357 Nov 10 j 15:42	30°℞♓		
opposition	-7357 Nov 13 j 03:51	29°♓40'01	-0°18'50	
min. Earth dist.	-7357 Nov 13 j 09:11	29°♓38'15	4.30026 AU	
direct	-7356 Jan 13 j 09:04	24°♓35'55		
asc. node	-7356 Feb 20 j 12:36	26°♓44'55		
	-7356 Mar 15 j 21:19	0°♈		
evening set	-7356 May 20 j 18:52	12°♈54'24		
max. Earth dist.	-7356 Jun 02 j 09:35	15°♈41'23	6.33168 AU	
conjunction	-7356 Jun 03 j 03:24	15°♈51'13	0°13'11	
minimum elong	-7356 Jun 03 j 03:23	15°♈51'12	0°13'16	
behind sun begin	-7356 Jun 02 j 22:43	15°♈48'38		
behind sun end	-7356 Jun 03 j 08:02	15°♈53'46		
morning rise	-7356 Jun 16 j 08:30	18°♈46'18		
	-7356 Aug 11 j 08:04	0°♉		
retrograde	-7356 Oct 15 j 00:34	6°♉02'34		
opposition	-7356 Dec 13 j 21:39	1°♉08'44	0°53'50	
min. Earth dist.	-7356 Dec 14 j 14:37	1°♉03'12	4.35296 AU	

Attention, astronomical year style is used: The year -7356 in astronomical counting style is the year 7357 BCE in historical counting style.

	-7356 Dec 22 j 18:32	30°℞♈	
direct	-7355 Feb 14 j 01:14	26°♈05'28	
	-7355 Apr 08 j 00:49	0°♉	
evening set	-7355 Jun 22 j 03:39	14°♉11'04	
	-7355 Jun 25 j 20:39	15°♉	
max. Earth dist.	-7355 Jul 03 j 18:26	16°♉44'51	6.36183 AU
conjunction	-7355 Jul 05 j 02:23	17°♉02'33	0°58'45
minimum elong	-7355 Jul 05 j 02:19	17°♉02'31	0°59'03
morning rise	-7355 Jul 17 j 21:44	19°♉52'23	
	-7355 Sep 05 j 13:40	0°♊	
retrograde	-7355 Nov 15 j 10:11	7°♊02'22	
opposition	-7354 Jan 14 j 20:04	2°♊10'37	1°50'13
min. Earth dist.	-7354 Jan 15 j 21:28	2°♊02'29	4.35986 AU
	-7354 Feb 01 j 10:14	30°℞♉	
direct	-7354 Mar 18 j 10:28	27°♉09'30	
	-7354 May 02 j 04:00	0°♊	
evening set	-7354 Jul 23 j 14:26	15°♊11'11	
max. Earth dist.	-7354 Aug 03 j 15:13	17°♊38'44	6.34357 AU
conjunction	-7354 Aug 05 j 04:38	17°♊59'39	1°27'17
minimum elong	-7354 Aug 05 j 04:35	17°♊59'38	1°27'46
morning rise	-7354 Aug 17 j 16:31	20°♊47'03	
	-7354 Sep 30 j 19:48	0°♋	
retrograde	-7354 Dec 17 j 14:17	8°♋14'37	
opposition	-7353 Feb 16 j 13:09	3°♋23'02	2°15'26
min. Earth dist.	-7353 Feb 17 j 14:34	3°♋14'58	4.31885 AU
	-7353 Mar 17 j 23:00	30°℞♊	
direct	-7353 Apr 19 j 20:44	28°♊24'47	
	-7353 May 22 j 15:55	0°♋	
evening set	-7353 Aug 23 j 18:38	16°♋31'07	
max. Earth dist.	-7353 Sep 03 j 22:51	19°♋03'04	6.28256 AU
conjunction	-7353 Sep 05 j 05:04	19°♋20'15	1°30'44
minimum elong	-7353 Sep 05 j 05:05	19°♋20'16	1°31'12
morning rise	-7353 Sep 17 j 14:34	22°♋09'08	
	-7353 Oct 23 j 22:45	0°♌	
retrograde	-7352 Jan 20 j 03:36	10°♌13'31	
opposition	-7352 Mar 21 j 10:02	5°♌20'15	2°00'51
min. Earth dist.	-7352 Mar 22 j 04:13	5°♌14'29	4.24175 AU
direct	-7352 May 21 j 21:16	0°♌24'56	
	-7352 Sep 07 j 00:35	15°♌	
evening set	-7352 Sep 23 j 10:24	18°♌42'45	
conjunction	-7352 Oct 05 j 22:56	21°♌36'22	1°06'36
minimum elong	-7352 Oct 05 j 23:00	21°♌36'24	1°06'58
max. Earth dist.	-7352 Oct 05 j 06:14	21°♌26'42	6.19617 AU
morning rise	-7352 Oct 18 j 12:43	24°♌30'45	
	-7352 Nov 11 j 23:30	0°♍	
retrograde	-7351 Feb 23 j 04:43	13°♍22'42	
opposition	-7351 Apr 25 j 11:37	8°♍26'05	1°07'01
min. Earth dist.	-7351 Apr 25 j 15:32	8°♍24'50	4.15128 AU
direct	-7351 Jun 24 j 16:21	3°♍32'44	
evening set	-7351 Oct 26 j 07:22	22°♍07'11	
conjunction	-7351 Nov 08 j 03:01	25°♍07'34	0°20'07
minimum elong	-7351 Nov 08 j 03:02	25°♍07'35	0°20'13
max. Earth dist.	-7351 Nov 08 j 08:32	25°♍10'49	6.11049 AU
morning rise	-7351 Nov 21 j 01:09	28°♍09'28	
	-7351 Nov 28 j 23:46	0°♎	
retrograde	-7350 Mar 31 j 12:02	17°♎46'48	
desc. node	-7350 Apr 04 j 00:36	17°♎45'37	
opposition	-7350 May 31 j 10:09	12°♎46'15	-0°12'00
min. Earth dist.	-7350 May 30 j 23:14	12°♎49'50	4.07710 AU
direct	-7350 Jul 29 j 09:56	7°♎53'17	
evening set	-7350 Nov 29 j 21:44	26°♎45'52	
conjunction	-7350 Dec 13 j 01:36	29°♎52'20	-0°34'33
minimum elong	-7350 Dec 13 j 01:33	29°♎52'18	0°34'45
	-7350 Dec 13 j 14:35	0°♏	
max. Earth dist.	-7350 Dec 14 j 02:39	0°♏07'08	6.05452 AU
morning rise	-7350 Dec 26 j 09:07	3°♏00'43	
	-7349 Feb 19 j 19:44	15°♏	
retrograde	-7349 May 07 j 04:17	23°♏04'40	
opposition	-7349 Jul 06 j 12:48	18°♏00'45	-1°28'32
min. Earth dist.	-7349 Jul 05 j 13:46	18°♏08'30	4.04574 AU
	-7349 Jul 30 j 17:53	15°℞♏	
direct	-7349 Sep 02 j 17:18	13°♏06'05	
	-7349 Oct 06 j 14:08	15°♏	
	-7349 Dec 26 j 15:21	0°♐	
evening set	-7348 Jan 05 j 02:55	2°♐12'10	
conjunction	-7348 Jan 18 j 14:09	5°♐21'53	-1°17'13
minimum elong	-7348 Jan 18 j 14:05	5°♐21'50	1°17'38
max. Earth dist.	-7348 Jan 20 j 04:57	5°♐44'41	6.04948 AU
morning rise	-7348 Feb 01 j 04:17	8°♐33'05	
retrograde	-7348 Jun 11 j 08:17	28°♐31'30	
min. Earth dist.	-7348 Aug 09 j 00:01	23°♐34'44	4.06891 AU
opposition	-7348 Aug 10 j 00:40	23°♐26'19	-2°12'19
direct	-7348 Oct 07 j 05:26	18°♐28'29	
	-7347 Jan 06 j 20:38	0°♑	
evening set	-7347 Feb 10 j 02:03	7°♑36'12	
conjunction	-7347 Feb 23 j 18:08	10°♑45'46	-1°31'19
minimum elong	-7347 Feb 23 j 18:09	10°♑45'47	1°31'48
max. Earth dist.	-7347 Feb 25 j 07:07	11°♑07'10	6.09756 AU
morning rise	-7347 Mar 09 j 11:46	13°♑55'58	
	-7347 May 30 j 22:43	0°♒	
retrograde	-7347 Jul 16 j 01:17	3°♒17'19	
	-7347 Aug 31 j 02:01	30°℞♑	
opposition	-7347 Sep 13 j 08:32	28°♑13'28	-2°07'26
min. Earth dist.	-7347 Sep 12 j 12:59	28°♑20'09	4.13740 AU
direct	-7347 Nov 11 j 05:37	23°♑12'18	
	-7346 Jan 18 j 21:57	0°♒	
evening set	-7346 Mar 18 j 13:52	12°♒07'59	
	-7346 Mar 31 j 05:42	15°♒	
conjunction	-7346 Apr 01 j 07:40	15°♒14'44	-1°12'45
minimum elong	-7346 Apr 01 j 07:45	15°♒14'47	1°13'08
max. Earth dist.	-7346 Apr 02 j 04:39	15°♒26'39	6.18083 AU
morning rise	-7346 Apr 15 j 01:02	18°♒21'04	
	-7346 Jun 10 j 09:48	0°♓	
retrograde	-7346 Aug 18 j 06:01	6°♓50'15	
opposition	-7346 Oct 16 j 10:16	1°♓49'39	-1°19'35
min. Earth dist.	-7346 Oct 16 j 03:38	1°♓51'54	4.22645 AU
	-7346 Oct 30 j 06:34	30°℞♒	
direct	-7346 Dec 15 j 13:15	26°♒46'10	
	-7345 Jan 31 j 03:08	0°♓	
evening set	-7345 Apr 22 j 18:02	15°♓22'10	
conjunction	-7345 May 06 j 09:05	18°♓24'10	-0°30'33
minimum elong	-7345 May 06 j 09:08	18°♓24'12	0°30'42
max. Earth dist.	-7345 May 06 j 09:26	18°♓24'22	6.26961 AU
morning rise	-7345 May 19 j 21:32	21°♓24'47	
	-7345 Jun 29 j 17:47	0°♈	
retrograde	-7345 Sep 19 j 02:16	9°♈07'05	
opposition	-7345 Nov 17 j 13:17	4°♈10'22	-0°08'33
min. Earth dist.	-7345 Nov 17 j 19:30	4°♈08'18	4.30684 AU
	-7345 Dec 24 j 21:01	30°℞♓	
asc. node	-7344 Jan 01 j 10:43	29°♓31'41	
direct	-7344 Jan 17 j 20:53	29°♓06'18	
	-7344 Feb 11 j 04:40	0°♈	
evening set	-7344 May 25 j 08:28	17°♈23'34	

Attention, astronomical year style is used: The year -7344 in astronomical counting style is the year 7345 BCE in historical counting style.

conjunction	-7344 Jun	07 j 15:41	20°♈19'41	0°20'04		min. Earth dist.	-7338 Jun	04 j 19:48	17°♎45'06	4.07030 AU	
minimum elong	-7344 Jun	07 j 15:39	20°♈19'40	0°20'12		direct	-7338 Aug	03 j 05:12	12°♎47'34		
max. Earth dist.	-7344 Jun	06 j 19:00	20°♈08'15	6.33589 AU			-7338 Nov	27 j 11:55	0°♏		
morning rise	-7344 Jun	20 j 19:35	23°♈14'05			evening set	-7338 Dec	04 j 19:05	1°♏42'25		
	-7344 Jul	22 j 17:52	0°♉								
retrograde	-7344 Oct	19 j 10:29	10°♉28'48			conjunction	-7338 Dec	18 j 00:10	4°♏49'33	-0°41'34	
opposition	-7344 Dec	18 j 07:51	5°♉35'21	1°03'01		minimum elong	-7338 Dec	18 j 00:07	4°♏49'30	0°41'49	
min. Earth dist.	-7344 Dec	19 j 02:52	5°♉29'10	4.35466 AU		max. Earth dist.	-7338 Dec	19 j 04:23	5°♏06'13	6.05042 AU	
direct	-7343 Feb	18 j 14:23	0°♉32'18			morning rise	-7338 Dec	31 j 08:35	7°♏58'31		
	-7343 Jun	09 j 19:53	15°♉				-7337 Jan	31 j 07:26	15°♏		
evening set	-7343 Jun	26 j 13:58	18°♉37'24			retrograde	-7337 May	12 j 06:13	28°♏04'02		
max. Earth dist.	-7343 Jul	08 j 02:36	21°♉10'10	6.36074 AU		opposition	-7337 Jul	11 j 11:09	22°♏59'49	-1°37'04	
						min. Earth dist.	-7337 Jul	10 j 12:28	23°♏07'28	4.04485 AU	
conjunction	-7343 Jul	09 j 11:28	21°♉28'23	1°03'57		direct	-7337 Sep	07 j 15:12	18°♏04'46		
minimum elong	-7343 Jul	09 j 11:24	21°♉28'20	1°04'18			-7337 Dec	09 j 07:23	0°♐		
morning rise	-7343 Jul	22 j 05:36	24°♉17'44			evening set	-7336 Jan	10 j 04:31	7°♐12'21		
	-7343 Aug	17 j 21:01	0°♊								
retrograde	-7343 Nov	19 j 20:07	11°♊29'08			conjunction	-7336 Jan	23 j 16:31	10°♐22'18	-1°21'05	
opposition	-7342 Jan	19 j 08:30	6°♊37'26	1°55'50		minimum elong	-7336 Jan	23 j 16:27	10°♐22'16	1°21'33	
min. Earth dist.	-7342 Jan	20 j 09:21	6°♊29'29	4.35636 AU		max. Earth dist.	-7336 Jan	25 j 07:27	10°♐45'10	6.05158 AU	
direct	-7342 Mar	22 j 21:52	1°♊36'40			morning rise	-7336 Feb	06 j 07:27	13°♐33'41		
evening set	-7342 Jul	27 j 23:08	19°♊38'31				-7336 Apr	29 j 10:05	0°♑		
max. Earth dist.	-7342 Aug	08 j 00:43	22°♊06'46	6.33783 AU		retrograde	-7336 Jun	16 j 05:04	3°♑29'24		
							-7336 Aug	02 j 23:12	30°℞♐		
conjunction	-7342 Aug	09 j 12:27	22°♊26'48	1°29'22		opposition	-7336 Aug	14 j 20:13	28°♐24'18	-2°14'37	
minimum elong	-7342 Aug	09 j 12:25	22°♊26'47	1°29'51		min. Earth dist.	-7336 Aug	13 j 19:12	28°♐32'50	4.07399 AU	
morning rise	-7342 Aug	21 j 23:33	25°♊14'05			direct	-7336 Oct	12 j 00:46	23°♐26'00		
	-7342 Sep	12 j 20:07	0°♋				-7336 Dec	17 j 09:24	0°♑		
retrograde	-7342 Dec	22 j 04:54	12°♋45'23			evening set	-7335 Feb	15 j 04:26	12°♑33'44		
opposition	-7341 Feb	21 j 04:49	7°♋53'41	2°15'51							
min. Earth dist.	-7341 Feb	22 j 06:02	7°♋45'41	4.31115 AU		conjunction	-7335 Feb	28 j 20:57	15°♑43'10	-1°30'35	
direct	-7341 Apr	24 j 11:12	2°♋55'51			minimum elong	-7335 Feb	28 j 20:59	15°♑43'11	1°31'04	
evening set	-7341 Aug	28 j 03:32	21°♋02'49			max. Earth dist.	-7335 Mar	02 j 07:30	16°♑03'08	6.10499 AU	
max. Earth dist.	-7341 Sep	08 j 08:00	23°♋35'18	6.27331 AU		morning rise	-7335 Mar	14 j 14:51	18°♑53'07		
							-7335 May	05 j 19:17	0°♒		
conjunction	-7341 Sep	09 j 13:46	23°♋52'16	1°28'59		retrograde	-7335 Jul	20 j 19:16	8°♒08'53		
minimum elong	-7341 Sep	09 j 13:48	23°♋52'17	1°29'27		min. Earth dist.	-7335 Sep	17 j 07:29	3°♒11'19	4.14625 AU	
morning rise	-7341 Sep	21 j 23:36	26°♋41'38			opposition	-7335 Sep	18 j 00:46	3°♒05'25	-2°02'59	
	-7341 Oct	06 j 18:22	0°♌				-7335 Oct	12 j 12:30	30°℞♑		
retrograde	-7340 Jan	24 j 21:25	14°♌51'25			direct	-7335 Nov	16 j 02:18	28°♑03'50		
opposition	-7340 Mar	26 j 05:04	9°♌57'42	1°55'31			-7335 Dec	21 j 00:21	0°♒		
min. Earth dist.	-7340 Mar	26 j 21:02	9°♌52'37	4.23137 AU			-7334 Mar	14 j 18:27	15°♒		
direct	-7340 May	26 j 12:05	5°♌02'40			evening set	-7334 Mar	23 j 13:47	16°♒58'11		
	-7340 Aug	20 j 15:56	15°♌								
evening set	-7340 Sep	27 j 21:27	23°♌21'50			conjunction	-7334 Apr	06 j 07:42	20°♒04'35	-1°07'57	
						minimum elong	-7334 Apr	06 j 07:47	20°♒04'37	1°08'18	
conjunction	-7340 Oct	10 j 10:50	26°♌16'13	1°01'16		max. Earth dist.	-7334 Apr	07 j 03:18	20°♒15'40	6.19058 AU	
minimum elong	-7340 Oct	10 j 10:54	26°♌16'16	1°01'35		morning rise	-7334 Apr	20 j 00:36	23°♒10'20		
max. Earth dist.	-7340 Oct	09 j 22:01	26°♌08'47	6.18559 AU			-7334 May	21 j 11:06	0°♓		
morning rise	-7340 Oct	23 j 01:24	29°♌11'28			retrograde	-7334 Aug	22 j 18:48	11°♓33'21		
	-7340 Oct	26 j 13:50	0°♍			opposition	-7334 Oct	20 j 23:28	6°♓33'20	-1°10'29	
retrograde	-7339 Feb	28 j 03:52	18°♍09'25			min. Earth dist.	-7334 Oct	20 j 17:43	6°♓35'17	4.23622 AU	
opposition	-7339 Apr	30 j 09:41	13°♍12'18	0°57'05		direct	-7334 Dec	20 j 05:21	1°♓29'44		
min. Earth dist.	-7339 Apr	30 j 12:22	13°♍11'26	4.14109 AU		evening set	-7333 Apr	27 j 13:51	20°♓03'52		
direct	-7339 Jun	29 j 11:11	8°♍19'08								
evening set	-7339 Oct	30 j 23:09	26°♍55'32			conjunction	-7333 May	11 j 03:58	23°♓05'09	-0°23'34	
						minimum elong	-7333 May	11 j 04:00	23°♓05'11	0°23'41	
conjunction	-7339 Nov	12 j 19:42	29°♍56'45	0°12'40		max. Earth dist.	-7333 May	11 j 00:27	23°♓03'12	6.27889 AU	
minimum elong	-7339 Nov	12 j 19:44	29°♍56'46	0°12'44		morning rise	-7333 May	24 j 15:37	26°♓05'02		
behind sun begin	-7339 Nov	12 j 14:34	29°♍53'44				-7333 Jun	11 j 15:11	0°♈		
behind sun end	-7339 Nov	13 j 00:54	29°♍59'47			retrograde	-7333 Sep	23 j 14:23	13°♈42'44		
max. Earth dist.	-7339 Nov	13 j 02:32	0°♎00'45	6.10156 AU		asc. node	-7333 Nov	11 j 12:43	10°♈08'54		
	-7339 Nov	13 j 01:15	0°♎			opposition	-7333 Nov	22 j 01:18	8°♈46'34	0°02'00	
morning rise	-7339 Nov	25 j 19:17	2°♎59'38			min. Earth dist.	-7333 Nov	22 j 09:51	8°♈43'44	4.31506 AU	
desc. node	-7338 Feb	12 j 23:08	18°♎47'47			direct	-7332 Jan	22 j 13:16	3°♈42'34		
retrograde	-7338 Apr	05 j 11:41	22°♎41'45			evening set	-7332 May	29 j 23:22	21°♈57'48		
opposition	-7338 Jun	05 j 09:16	17°♎40'40	-0°23'24		max. Earth dist.	-7332 Jun	11 j 08:26	24°♈41'32	6.34262 AU	

Attention, astronomical year style is used: The year -7332 in astronomical counting style is the year 7333 BCE in historical counting style.

conjunction	-7332 Jun 12 j 05:25	24°♈53'08	0°26'57
minimum elong	-7332 Jun 12 j 05:22	24°♈53'06	0°27'06
morning rise	-7332 Jun 25 j 07:48	27°♈46'40	
	-7332 Jul 05 j 12:31	0°♉	
retrograde	-7332 Oct 23 j 19:07	14°♉59'06	
opposition	-7332 Dec 22 j 19:34	10°♉05'58	1°11'55
min. Earth dist.	-7332 Dec 23 j 14:21	9°♉59'53	4.35976 AU
direct	-7331 Feb 23 j 02:55	5°♉03'15	
	-7331 May 23 j 05:01	15°♉	
evening set	-7331 Jul 01 j 00:56	23°♉06'28	
max. Earth dist.	-7331 Jul 12 j 11:18	25°♉38'03	6.36378 AU
conjunction	-7331 Jul 13 j 20:55	25°♉56'42	1°08'48
minimum elong	-7331 Jul 13 j 20:50	25°♉56'39	1°09'11
morning rise	-7331 Jul 26 j 13:50	28°♉45'24	
	-7331 Aug 01 j 05:49	0°♊	
retrograde	-7331 Nov 24 j 07:36	15°♊56'53	
opposition	-7330 Jan 23 j 21:14	11°♊05'19	2°00'43
min. Earth dist.	-7330 Jan 24 j 23:07	10°♊57'04	4.35719 AU
direct	-7330 Mar 27 j 11:59	6°♊04'55	
evening set	-7330 Aug 01 j 07:01	24°♊05'18	
max. Earth dist.	-7330 Aug 12 j 08:01	26°♊33'23	6.33619 AU
conjunction	-7330 Aug 13 j 19:32	26°♊53'18	1°30'54
minimum elong	-7330 Aug 13 j 19:31	26°♊53'17	1°31'22
morning rise	-7330 Aug 26 j 06:02	29°♊40'23	
	-7330 Aug 27 j 17:15	0°♋	
retrograde	-7330 Dec 26 j 16:38	17°♋14'10	
opposition	-7329 Feb 25 j 19:20	12°♋22'13	2°15'22
min. Earth dist.	-7329 Feb 26 j 18:55	12°♋14'44	4.30714 AU
direct	-7329 Apr 28 j 23:00	7°♋24'45	
evening set	-7329 Sep 01 j 10:28	25°♋31'08	
conjunction	-7329 Sep 13 j 20:44	28°♋20'49	1°26'42
minimum elong	-7329 Sep 13 j 20:46	28°♋20'50	1°27'10
max. Earth dist.	-7329 Sep 12 j 17:18	28°♋05'09	6.26727 AU
	-7329 Sep 21 j 02:36	0°♌	
morning rise	-7329 Sep 26 j 06:41	1°♌10'31	
	-7329 Dec 05 j 03:26	15°♌	
retrograde	-7328 Jan 29 j 14:15	19°♌24'46	
	-7328 Mar 27 j 01:49	15℞♌	
opposition	-7328 Mar 30 j 22:05	14°♌30'40	1°49'32
min. Earth dist.	-7328 Mar 31 j 13:42	14°♌25'42	4.22335 AU
direct	-7328 May 31 j 03:02	9°♌35'55	
	-7328 Jul 31 j 06:31	15°♌	
evening set	-7328 Oct 02 j 06:27	27°♌55'46	
	-7328 Oct 11 j 04:57	0°♍	
conjunction	-7328 Oct 14 j 20:28	0°♍50'51	0°55'39
minimum elong	-7328 Oct 14 j 20:32	0°♍50'54	0°55'56
max. Earth dist.	-7328 Oct 14 j 08:14	0°♍43'45	6.17639 AU
morning rise	-7328 Oct 27 j 12:09	3°♍46'57	
retrograde	-7327 Mar 04 j 22:02	22°♍50'25	
opposition	-7327 May 05 j 04:40	17°♍52'46	0°46'59
min. Earth dist.	-7327 May 05 j 04:54	17°♍52'42	4.13129 AU
direct	-7327 Jul 04 j 01:30	12°♍59'39	
	-7327 Oct 28 j 11:54	0°♎	
evening set	-7327 Nov 04 j 12:48	1°♎38'19	
conjunction	-7327 Nov 17 j 10:37	4°♎40'27	0°05'20
minimum elong	-7327 Nov 17 j 10:37	4°♎40'27	0°05'21
behind sun begin	-7327 Nov 17 j 02:47	4°♎35'51	
behind sun end	-7327 Nov 17 j 18:27	4°♎45'03	
max. Earth dist.	-7327 Nov 17 j 20:27	4°♎46'14	6.09220 AU
morning rise	-7327 Nov 30 j 11:18	7°♎44'16	
desc. node	-7327 Dec 25 j 19:35	13°♎31'02	
retrograde	-7326 Apr 10 j 11:48	27°♎31'25	
opposition	-7326 Jun 10 j 05:59	22°♎29'52	-0°34'22
min. Earth dist.	-7326 Jun 09 j 16:21	22°♎34'23	4.06217 AU
direct	-7326 Aug 07 j 23:42	17°♎36'35	
	-7326 Nov 10 j 19:46	0°♏	
evening set	-7326 Dec 09 j 14:56	6°♏34'30	
conjunction	-7326 Dec 22 j 21:03	9°♏42'22	-0°48'09
minimum elong	-7326 Dec 22 j 20:59	9°♏42'19	0°48'24
max. Earth dist.	-7326 Dec 24 j 02:17	9°♏59'39	6.04426 AU
morning rise	-7325 Jan 05 j 06:43	12°♏52'06	
	-7325 Jan 14 j 10:09	15°♏	
	-7325 Apr 02 j 19:36	0°♐	
retrograde	-7325 May 17 j 04:32	2°♐59'48	
	-7325 Jun 30 j 11:26	30℞♏	
min. Earth dist.	-7325 Jul 15 j 07:44	28°♏03'28	4.04166 AU
opposition	-7325 Jul 16 j 07:42	27°♏55'22	-1°44'43
direct	-7325 Sep 12 j 09:10	22°♏59'57	
	-7325 Nov 19 j 13:20	0°♐	
evening set	-7324 Jan 15 j 05:28	12°♐10'05	
conjunction	-7324 Jan 28 j 18:19	15°♐20'23	-1°24'16
minimum elong	-7324 Jan 28 j 18:15	15°♐20'21	1°24'44
max. Earth dist.	-7324 Jan 30 j 08:55	15°♐43'02	6.05155 AU
morning rise	-7324 Feb 11 j 09:57	18°♐32'02	
	-7324 Apr 04 j 11:25	0°♑	
retrograde	-7324 Jun 21 j 02:17	8°♑25'44	
opposition	-7324 Aug 19 j 15:02	3°♑20'41	-2°15'52
min. Earth dist.	-7324 Aug 18 j 15:05	3°♑28'53	4.07720 AU
	-7324 Sep 15 j 14:11	30℞♐	
direct	-7324 Oct 16 j 22:03	28°♐21'53	
	-7324 Nov 17 j 10:30	0°♑	
evening set	-7323 Feb 20 j 06:42	17°♑30'11	
conjunction	-7323 Mar 05 j 23:54	20°♑39'37	-1°29'08
minimum elong	-7323 Mar 05 j 23:57	20°♑39'38	1°29'38
max. Earth dist.	-7323 Mar 07 j 10:46	20°♑59'42	6.11140 AU
morning rise	-7323 Mar 19 j 17:55	23°♑49'21	
	-7323 Apr 16 j 12:37	0°♒	
retrograde	-7323 Jul 25 j 12:29	12°♒59'28	
opposition	-7323 Sep 22 j 16:42	7°♒56'23	-1°57'38
min. Earth dist.	-7323 Sep 21 j 23:59	8°♒02'05	4.15515 AU
direct	-7323 Nov 20 j 20:42	2°♒54'28	
	-7322 Feb 25 j 08:47	15°♒	
evening set	-7322 Mar 28 j 13:27	21°♒47'07	
conjunction	-7322 Apr 11 j 07:05	24°♒52'59	-1°02'39
minimum elong	-7322 Apr 11 j 07:09	24°♒53'02	1°02'58
max. Earth dist.	-7322 Apr 11 j 23:04	25°♒02'01	6.20130 AU
morning rise	-7322 Apr 24 j 23:46	27°♒58'10	
	-7322 May 04 j 02:34	0°♓	
retrograde	-7322 Aug 27 j 07:40	16°♓14'34	
opposition	-7322 Oct 25 j 12:34	11°♓14'59	-1°00'55
min. Earth dist.	-7322 Oct 25 j 08:48	11°♓16'15	4.24750 AU
direct	-7322 Dec 24 j 23:12	6°♓11'10	
evening set	-7321 May 02 j 08:19	24°♓42'25	
conjunction	-7321 May 15 j 21:42	27°♓42'55	-0°16'28
minimum elong	-7321 May 15 j 21:43	27°♓42'56	0°16'32
max. Earth dist.	-7321 May 15 j 17:18	27°♓40'29	6.28990 AU
	-7321 May 26 j 04:24	0°♈	
morning rise	-7321 May 29 j 08:04	0°♈41'51	
asc. node	-7321 Sep 21 j 16:13	18°♈10'30	
retrograde	-7321 Sep 27 j 22:58	18°♈14'22	
opposition	-7321 Nov 26 j 12:05	13°♈18'39	0°12'27
min. Earth dist.	-7321 Nov 26 j 21:28	13°♈15'33	4.32464 AU
direct	-7320 Jan 27 j 02:49	8°♈14'45	
evening set	-7320 Jun 03 j 12:41	26°♈27'20	

Attention, astronomical year style is used: The year -7320 in astronomical counting style is the year 7321 BCE in historical counting style.

conjunction	-7320 Jun 16 j 17:11	29°♈21'46	0°33'37
minimum elong	-7320 Jun 16 j 17:08	29°♈21'44	0°33'49
max. Earth dist.	-7320 Jun 15 j 16:50	29°♈08'18	6.34967 AU
	-7320 Jun 19 j 14:22	0°♉	
morning rise	-7320 Jun 29 j 18:21	2°♉14'28	
	-7320 Sep 03 j 12:48	15°♉	
retrograde	-7320 Oct 28 j 04:35	19°♉24'48	
	-7320 Dec 23 j 15:15	15°℞♉	
opposition	-7320 Dec 27 j 06:08	14°♉31'58	1°20'21
min. Earth dist.	-7320 Dec 28 j 03:02	14°♉25'12	4.36374 AU
direct	-7319 Feb 27 j 16:11	9°♉29'27	
	-7319 May 02 j 13:34	15°♉	
evening set	-7319 Jul 05 j 09:57	27°♉31'15	
	-7319 Jul 16 j 15:03	0°♊	
max. Earth dist.	-7319 Jul 16 j 19:12	0°♊02'18	6.36403 AU
conjunction	-7319 Jul 18 j 04:50	0°♊20'57	1°13'15
minimum elong	-7319 Jul 18 j 04:46	0°♊20'55	1°13'40
morning rise	-7319 Jul 30 j 20:29	3°♊09'09	
retrograde	-7319 Nov 28 j 16:52	20°♊22'06	
opposition	-7318 Jan 28 j 09:24	15°♊30'34	2°05'00
min. Earth dist.	-7318 Jan 29 j 10:42	15°♊22'31	4.35383 AU
direct	-7318 Mar 31 j 22:41	10°♊30'35	
evening set	-7318 Aug 05 j 14:29	28°♊31'06	
	-7318 Aug 12 j 05:31	0°♋	
max. Earth dist.	-7318 Aug 16 j 14:40	0°♋59'03	6.32929 AU
conjunction	-7318 Aug 18 j 02:13	1°♋19'02	1°31'57
minimum elong	-7318 Aug 18 j 02:12	1°♋19'01	1°32'26
morning rise	-7318 Aug 30 j 12:17	4°♋06'13	
retrograde	-7318 Dec 31 j 08:09	21°♋44'38	
opposition	-7317 Mar 02 j 11:01	16°♋52'32	2°14'13
min. Earth dist.	-7317 Mar 03 j 11:02	16°♋44'55	4.29702 AU
direct	-7317 May 03 j 13:14	11°♋55'28	
evening set	-7317 Sep 05 j 19:03	0°♌03'29	
	-7317 Sep 05 j 12:54	0°♌	
max. Earth dist.	-7317 Sep 17 j 03:03	2°♌38'37	6.25479 AU
conjunction	-7317 Sep 18 j 05:32	2°♌53'46	1°23'54
minimum elong	-7317 Sep 18 j 05:36	2°♌53'48	1°24'21
morning rise	-7317 Sep 30 j 16:00	5°♌44'13	
	-7317 Nov 12 j 21:38	15°♌	
retrograde	-7316 Feb 03 j 08:44	24°♌05'19	
opposition	-7316 Apr 04 j 17:51	19°♌10'49	1°42'47
min. Earth dist.	-7316 Apr 05 j 06:53	19°♌06'40	4.20937 AU
	-7316 May 14 j 03:34	15°℞♌	
direct	-7316 Jun 04 j 17:39	14°♌16'24	
	-7316 Jun 26 j 06:56	15°♌	
	-7316 Sep 25 j 05:05	0°♍	
evening set	-7316 Oct 06 j 19:06	2°♍39'11	
conjunction	-7316 Oct 19 j 10:06	5°♍35'18	0°49'30
minimum elong	-7316 Oct 19 j 10:09	5°♍35'20	0°49'45
max. Earth dist.	-7316 Oct 19 j 01:07	5°♍30'04	6.16224 AU
morning rise	-7316 Nov 01 j 02:51	8°♍32'31	
retrograde	-7315 Mar 10 j 00:40	27°♍43'28	
opposition	-7315 May 10 j 04:39	22°♍45'20	0°36'10
min. Earth dist.	-7315 May 10 j 03:42	22°♍45'38	4.11797 AU
direct	-7315 Jul 08 j 22:07	17°♍52'20	
	-7315 Oct 11 j 09:11	0°♎	
desc. node	-7315 Nov 04 j 06:21	5°♎23'32	
evening set	-7315 Nov 09 j 07:51	6°♎34'30	
conjunction	-7315 Nov 22 j 06:50	9°♎37'41	-0°02'32
minimum elong	-7315 Nov 22 j 06:49	9°♎37'40	0°02'35
behind sun begin	-7315 Nov 21 j 22:42	9°♎32'54	
behind sun end	-7315 Nov 22 j 14:57	9°♎42'26	
max. Earth dist.	-7315 Nov 22 j 19:21	9°♎45'03	6.08108 AU
morning rise	-7315 Dec 05 j 08:58	12°♎42'37	
	-7314 Mar 05 j 06:06	0°♏	
retrograde	-7314 Apr 15 j 15:16	2°♏35'05	
	-7314 May 27 j 00:38	30°℞♎	
opposition	-7314 Jun 15 j 07:44	27°♎33'06	-0°45'38
min. Earth dist.	-7314 Jun 14 j 15:18	27°♎38'34	4.05481 AU
direct	-7314 Aug 12 j 20:44	22°♎39'44	
	-7314 Oct 21 j 21:59	0°♏	
evening set	-7314 Dec 14 j 16:38	11°♏40'29	
conjunction	-7314 Dec 27 j 23:48	14°♏48'56	-0°54'41
minimum elong	-7314 Dec 27 j 23:44	14°♏48'54	0°54'59
	-7314 Dec 28 j 18:30	15°♏	
max. Earth dist.	-7314 Dec 29 j 07:19	15°♏07'35	6.04135 AU
morning rise	-7313 Jan 10 j 10:28	17°♏59'13	
	-7313 Mar 06 j 22:38	0°♐	
retrograde	-7313 May 22 j 07:07	8°♐07'16	
min. Earth dist.	-7313 Jul 20 j 07:39	3°♐10'55	4.04397 AU
opposition	-7313 Jul 21 j 08:17	3°♐02'34	-1°51'54
	-7313 Aug 14 j 15:41	30°℞♏	
direct	-7313 Sep 17 j 10:02	28°♏06'46	
	-7313 Oct 21 j 03:35	0°♐	
evening set	-7312 Jan 20 j 10:16	17°♐17'08	
conjunction	-7312 Feb 02 j 23:56	20°♐27'26	-1°26'58
minimum elong	-7312 Feb 02 j 23:54	20°♐27'24	1°27'26
max. Earth dist.	-7312 Feb 04 j 16:52	20°♐51'23	6.05898 AU
morning rise	-7312 Feb 16 j 15:59	23°♐38'54	
	-7312 Mar 15 j 19:36	0°♑	
retrograde	-7312 Jun 26 j 00:39	13°♑26'56	
min. Earth dist.	-7312 Aug 23 j 11:28	8°♑30'12	4.08922 AU
opposition	-7312 Aug 24 j 11:23	8°♑22'01	-2°16'08
direct	-7312 Oct 21 j 20:29	3°♑22'47	
evening set	-7311 Feb 25 j 09:28	22°♑28'05	
conjunction	-7311 Mar 11 j 02:42	25°♑36'53	-1°27'07
minimum elong	-7311 Mar 11 j 02:45	25°♑36'55	1°27'36
max. Earth dist.	-7311 Mar 12 j 10:46	25°♑55'18	6.12675 AU
morning rise	-7311 Mar 24 j 20:51	28°♑45'55	
	-7311 Mar 30 j 07:22	0°♒	
	-7311 Jun 17 j 22:07	15°♒	
retrograde	-7311 Jul 30 j 02:10	17°♒47'04	
	-7311 Sep 10 j 01:41	15°℞♒	
opposition	-7311 Sep 27 j 07:13	12°♒44'18	-1°51'34
min. Earth dist.	-7311 Sep 26 j 15:59	12°♒49'30	4.17218 AU
direct	-7311 Nov 25 j 15:56	7°♒41'58	
	-7310 Feb 05 j 17:45	15°♒	
evening set	-7310 Apr 02 j 10:12	26°♒29'59	
conjunction	-7310 Apr 16 j 03:34	29°♒34'59	-0°57'06
minimum elong	-7310 Apr 16 j 03:39	29°♒35'02	0°57'24
max. Earth dist.	-7310 Apr 16 j 17:49	29°♒43'01	6.21877 AU
	-7310 Apr 17 j 23:59	0°♓	
morning rise	-7310 Apr 29 j 19:24	2°♓39'05	
retrograde	-7310 Aug 31 j 16:07	20°♓46'54	
opposition	-7310 Oct 29 j 21:55	15°♓47'51	-0°51'20
min. Earth dist.	-7310 Oct 29 j 20:12	15°♓48'26	4.26363 AU
direct	-7310 Dec 29 j 12:59	10°♓43'54	
evening set	-7309 May 06 j 22:18	29°♓10'51	
	-7309 May 10 j 15:24	0°♈	
conjunction	-7309 May 20 j 10:32	2°♈10'21	-0°09'34
minimum elong	-7309 May 20 j 10:33	2°♈10'21	0°09'36
behind sun begin	-7309 May 20 j 03:47	2°♈06'37	
behind sun end	-7309 May 20 j 17:18	2°♈14'05	
max. Earth dist.	-7309 May 20 j 01:25	2°♈05'18	6.30326 AU

Attention, astronomical year style is used: The year -7309 in astronomical counting style is the year 7310 BCE in historical counting style.

morning rise	-7309 Jun 02 j 19:53	5°♈08'16	
asc. node	-7309 Aug 03 j 07:43	17°♈19'31	
retrograde	-7309 Oct 02 j 03:52	22°♈35'30	
opposition	-7309 Nov 30 j 18:51	17°♈40'11	0°22'22
min. Earth dist.	-7309 Dec 01 j 06:49	17°♈36'14	4.33430 AU
direct	-7308 Jan 31 j 13:26	12°♈36'17	
	-7308 Jun 04 j 08:03	0°♉	
evening set	-7308 Jun 07 j 21:02	0°♉46'25	
max. Earth dist.	-7308 Jun 19 j 22:36	3°♉25'53	6.35475 AU
conjunction	-7308 Jun 21 j 00:21	3°♉40'06	0°39'50
minimum elong	-7308 Jun 21 j 00:17	3°♉40'04	0°40'03
morning rise	-7308 Jul 03 j 24:00	6°♉32'01	
	-7308 Aug 13 j 16:59	15°♉	
retrograde	-7308 Nov 01 j 08:57	23°♉41'22	
opposition	-7308 Dec 31 j 13:01	18°♉48'49	1°28'01
min. Earth dist.	-7307 Jan 01 j 10:59	18°♉41'44	4.36407 AU
	-7307 Feb 03 j 06:59	15°℞♉	
direct	-7307 Mar 04 j 00:04	13°♉46'34	
	-7307 Apr 01 j 22:17	15°♉	
	-7307 Jul 01 j 09:47	0°♊	
evening set	-7307 Jul 09 j 15:44	1°♊48'18	
max. Earth dist.	-7307 Jul 20 j 20:45	4°♊17'20	6.35927 AU
conjunction	-7307 Jul 22 j 09:19	4°♊37'39	1°17'09
minimum elong	-7307 Jul 22 j 09:15	4°♊37'37	1°17'34
morning rise	-7307 Aug 04 j 00:08	7°♊25'38	
retrograde	-7307 Dec 03 j 02:34	24°♊41'52	
opposition	-7306 Feb 01 j 19:31	19°♊50'22	2°08'31
min. Earth dist.	-7306 Feb 02 j 22:17	19°♊41'51	4.34446 AU
direct	-7306 Apr 05 j 08:38	14°♊50'41	
	-7306 Jul 27 j 18:26	0°♋	
evening set	-7306 Aug 09 j 20:19	2°♋53'22	
max. Earth dist.	-7306 Aug 20 j 21:06	5°♋22'06	6.31596 AU
conjunction	-7306 Aug 22 j 07:47	5°♋41'39	1°32'27
minimum elong	-7306 Aug 22 j 07:47	5°♋41'39	1°32'56
morning rise	-7306 Sep 03 j 17:33	8°♋29'16	
retrograde	-7305 Jan 04 j 21:58	26°♋14'26	
opposition	-7305 Mar 07 j 02:26	21°♋22'07	2°12'17
min. Earth dist.	-7305 Mar 08 j 00:45	21°♋15'02	4.28075 AU
direct	-7305 May 08 j 00:19	16°♋25'28	
	-7305 Aug 20 j 11:08	0°♌	
evening set	-7305 Sep 10 j 04:12	4°♌37'08	
conjunction	-7305 Sep 22 j 15:01	7°♌28'18	1°20'32
minimum elong	-7305 Sep 22 j 15:04	7°♌28'20	1°20'57
max. Earth dist.	-7305 Sep 21 j 14:24	7°♌14'10	6.23699 AU
morning rise	-7305 Oct 05 j 02:11	10°♌19'47	
	-7305 Oct 25 j 23:08	15°♌	
retrograde	-7304 Feb 08 j 08:05	28°♌49'36	
opposition	-7304 Apr 09 j 15:33	23°♌54'39	1°35'14
min. Earth dist.	-7304 Apr 10 j 03:15	23°♌50'54	4.19114 AU
direct	-7304 Jun 09 j 11:34	19°♌00'31	
	-7304 Sep 07 j 22:18	0°♍	
evening set	-7304 Oct 11 j 10:05	7°♍27'29	
conjunction	-7304 Oct 24 j 02:11	10°♍24'48	0°42'53
minimum elong	-7304 Oct 24 j 02:14	10°♍24'50	0°43'06
max. Earth dist.	-7304 Oct 23 j 20:43	10°♍21'36	6.14546 AU
morning rise	-7304 Nov 05 j 20:15	13°♍23'20	
	-7303 Jan 31 j 13:02	0°♎	
retrograde	-7303 Mar 15 j 03:42	2°♎42'10	
	-7303 Apr 27 j 02:21	30°℞♍	
opposition	-7303 May 15 j 06:42	27°♍43'29	0°24'50
min. Earth dist.	-7303 May 15 j 02:18	27°♍44'55	4.10418 AU
direct	-7303 Jul 13 j 18:17	22°♍50'36	
desc. node	-7303 Sep 12 j 22:16	28°♍29'09	
	-7303 Sep 21 j 11:37	0°♎	
evening set	-7303 Nov 14 j 05:56	11°♎36'18	
conjunction	-7303 Nov 27 j 06:06	14°♎40'25	-0°10'25
minimum elong	-7303 Nov 27 j 06:04	14°♎40'25	0°10'29
behind sun begin	-7303 Nov 26 j 23:41	14°♎36'39	
behind sun end	-7303 Nov 27 j 12:28	14°♎44'10	
max. Earth dist.	-7303 Nov 27 j 22:06	14°♎49'53	6.07143 AU
morning rise	-7303 Dec 10 j 09:34	17°♎46'22	
	-7302 Feb 05 j 05:36	0°♏	
retrograde	-7302 Apr 20 j 20:19	7°♏43'01	
opposition	-7302 Jun 20 j 11:07	2°♏40'27	-0°56'45
min. Earth dist.	-7302 Jun 19 j 16:46	2°♏46'34	4.05017 AU
	-7302 Jul 11 j 18:23	30°℞♎	
direct	-7302 Aug 17 j 22:08	27°♎46'49	
	-7302 Sep 23 j 17:10	0°♏	
	-7302 Dec 12 j 01:10	15°♏	
evening set	-7302 Dec 19 j 20:03	16°♏49'12	
conjunction	-7301 Jan 02 j 04:20	19°♏58'03	-1°00'53
minimum elong	-7301 Jan 02 j 04:15	19°♏58'00	1°01'14
max. Earth dist.	-7301 Jan 03 j 15:33	20°♏18'51	6.04182 AU
morning rise	-7301 Jan 15 j 15:51	23°♏08'39	
	-7301 Feb 14 j 20:36	0°♐	
retrograde	-7301 May 27 j 10:24	13°♐15'06	
min. Earth dist.	-7301 Jul 25 j 07:50	8°♐18'47	4.04952 AU
opposition	-7301 Jul 26 j 09:05	8°♐10'14	-1°58'15
direct	-7301 Sep 22 j 10:53	3°♐14'00	
evening set	-7300 Jan 25 j 15:34	22°♐23'33	
conjunction	-7300 Feb 08 j 05:41	25°♐33'37	-1°29'03
minimum elong	-7300 Feb 08 j 05:39	25°♐33'36	1°29'31
max. Earth dist.	-7300 Feb 09 j 21:01	25°♐56'34	6.06853 AU
morning rise	-7300 Feb 21 j 22:19	28°♐44'48	
	-7300 Feb 27 j 08:46	0°♑	
retrograde	-7300 Jun 30 j 20:18	18°♑26'26	
min. Earth dist.	-7300 Aug 28 j 07:34	13°♑29'42	4.10173 AU
opposition	-7300 Aug 29 j 06:59	13°♑21'41	-2°15'29
direct	-7300 Oct 26 j 18:57	8°♑21'58	
evening set	-7299 Mar 02 j 11:59	27°♑24'33	
	-7299 Mar 13 j 20:13	0°♒	
conjunction	-7299 Mar 16 j 05:35	0°♒32'51	-1°24'32
minimum elong	-7299 Mar 16 j 05:39	0°♒32'53	1°24'58
max. Earth dist.	-7299 Mar 17 j 12:21	0°♒50'28	6.14128 AU
morning rise	-7299 Mar 29 j 23:28	3°♒41'10	
	-7299 May 22 j 20:04	15°♒	
retrograde	-7299 Aug 03 j 17:44	22°♒34'01	
opposition	-7299 Oct 01 j 21:44	17°♒31'47	-1°44'49
min. Earth dist.	-7299 Oct 01 j 08:46	17°♒36'12	4.18714 AU
	-7299 Oct 21 j 10:42	15°℞♒	
direct	-7299 Nov 30 j 10:36	12°♒29'12	
	-7298 Jan 09 j 20:56	15°♒	
	-7298 Apr 01 j 18:47	0°♓	
evening set	-7298 Apr 07 j 07:26	1°♓13'41	
conjunction	-7298 Apr 21 j 00:19	4°♓17'56	-0°51'11
minimum elong	-7298 Apr 21 j 00:23	4°♓17'59	0°51'27
max. Earth dist.	-7298 Apr 21 j 10:27	4°♓23'37	6.23303 AU
morning rise	-7298 May 04 j 15:36	7°♓21'12	
retrograde	-7298 Sep 05 j 00:56	25°♓22'02	
opposition	-7298 Nov 03 j 08:44	20°♓23'32	-0°41'23
min. Earth dist.	-7298 Nov 03 j 08:50	20°♓23'30	4.27604 AU
direct	-7297 Jan 03 j 03:42	15°♓19'30	
	-7297 Apr 24 j 09:01	0°♈	
evening set	-7297 May 11 j 13:52	3°♈43'38	

Attention, astronomical year style is used: The year -7297 in astronomical counting style is the year 7298 BCE in historical counting style.

conjunction	-7297 May 25 j 01:06	6°♈42'19	-0°02'31
minimum elong	-7297 May 25 j 01:05	6°♈42'18	0°02'31
behind sun begin	-7297 May 24 j 16:53	6°♈37'47	
behind sun end	-7297 May 25 j 09:18	6°♈46'50	
max. Earth dist.	-7297 May 24 j 13:33	6°♈35'55	6.31308 AU
morning rise	-7297 Jun 07 j 09:07	9°♈39'20	
asc. node	-7297 Jun 13 j 09:07	10°♈58'14	
retrograde	-7297 Oct 06 j 11:56	27°♈02'43	
opposition	-7297 Dec 05 j 04:14	22°♈07'56	0°32'24
min. Earth dist.	-7297 Dec 05 j 18:11	22°♈03'22	4.34089 AU
direct	-7296 Feb 05 j 02:10	17°♈04'15	
	-7296 May 18 j 22:28	0°♉	
evening set	-7296 Jun 12 j 08:20	5°♉12'57	
max. Earth dist.	-7296 Jun 24 j 05:01	7°♉49'49	6.35744 AU
conjunction	-7296 Jun 25 j 10:12	8°♉05'57	0°45'59
minimum elong	-7296 Jun 25 j 10:09	8°♉05'55	0°46'16
morning rise	-7296 Jul 08 j 08:40	10°♉57'14	
	-7296 Jul 27 j 02:20	15°♉	
retrograde	-7296 Nov 05 j 17:57	28°♉06'30	
opposition	-7295 Jan 04 j 23:34	23°♉14'12	1°35'28
min. Earth dist.	-7295 Jan 05 j 22:54	23°♉06'41	4.36303 AU
direct	-7295 Mar 08 j 11:56	18°♉12'15	
	-7295 Jun 14 j 18:51	0°♊	
evening set	-7295 Jul 14 j 00:26	6°♊14'11	
max. Earth dist.	-7295 Jul 25 j 05:14	8°♊43'19	6.35450 AU
conjunction	-7295 Jul 26 j 17:04	9°♊03'16	1°20'46
minimum elong	-7295 Jul 26 j 17:00	9°♊03'14	1°21'12
morning rise	-7295 Aug 08 j 06:45	11°♊51'01	
retrograde	-7295 Dec 07 j 14:04	29°♊10'37	
opposition	-7294 Feb 06 j 09:21	24°♊19'10	2°11'25
min. Earth dist.	-7294 Feb 07 j 11:38	24°♊10'49	4.33651 AU
direct	-7294 Apr 09 j 20:53	19°♊19'59	
	-7294 Jul 10 j 16:41	0°♋	
evening set	-7294 Aug 14 j 05:04	7°♋24'02	
max. Earth dist.	-7294 Aug 25 j 05:13	9°♋52'54	6.30543 AU
conjunction	-7294 Aug 26 j 15:56	10°♋12'31	1°32'27
minimum elong	-7294 Aug 26 j 15:56	10°♋12'32	1°32'57
morning rise	-7294 Sep 08 j 01:39	13°♋00'31	
	-7294 Dec 16 j 23:50	0°♌	
retrograde	-7293 Jan 09 j 16:16	0°♌51'35	
	-7293 Feb 02 j 10:01	30°℞♋	
opposition	-7293 Mar 11 j 20:52	25°♋59'02	2°09'31
min. Earth dist.	-7293 Mar 12 j 18:19	25°♋52'13	4.26846 AU
direct	-7293 May 12 j 16:14	21°♋02'46	
	-7293 Aug 02 j 09:53	0°♌	
evening set	-7293 Sep 14 j 15:08	9°♌16'29	
max. Earth dist.	-7293 Sep 26 j 05:24	11°♌56'14	6.22431 AU
conjunction	-7293 Sep 27 j 02:32	12°♌08'24	1°16'40
minimum elong	-7293 Sep 27 j 02:35	12°♌08'26	1°17'04
morning rise	-7293 Oct 09 j 14:16	15°♌00'43	
	-7293 Oct 09 j 13:02	15°♌	
	-7293 Dec 25 j 10:05	0°♍	
retrograde	-7292 Feb 13 j 06:10	3°♍37'10	
	-7292 Apr 04 j 06:38	30°℞♌	
opposition	-7292 Apr 14 j 13:58	28°♌41'47	1°27'01
min. Earth dist.	-7292 Apr 14 j 22:54	28°♌38'55	4.17916 AU
direct	-7292 Jun 14 j 04:57	23°♌47'57	
	-7292 Aug 18 j 14:21	0°♍	
evening set	-7292 Oct 16 j 01:20	12°♍16'54	
conjunction	-7292 Oct 28 j 18:19	15°♍15'04	0°36'02
minimum elong	-7292 Oct 28 j 18:22	15°♍15'06	0°36'12
max. Earth dist.	-7292 Oct 28 j 15:39	15°♍13'31	6.13530 AU
morning rise	-7292 Nov 10 j 13:40	18°♍14'36	
	-7291 Jan 04 j 14:38	0°♎	
retrograde	-7291 Mar 20 j 05:40	7°♎38'54	
opposition	-7291 May 20 j 07:29	2°♎39'33	0°13'29
min. Earth dist.	-7291 May 20 j 00:48	2°♎41'44	4.09660 AU
	-7291 Jun 10 j 21:26	30°℞♍	
direct	-7291 Jul 18 j 15:42	27°♍46'39	
desc. node	-7291 Jul 24 j 06:07	27°♍49'48	
	-7291 Aug 24 j 21:09	0°♎	
evening set	-7291 Nov 19 j 02:04	16°♎33'47	
conjunction	-7291 Dec 02 j 03:27	19°♎38'35	-0°18'02
minimum elong	-7291 Dec 02 j 03:25	19°♎38'34	0°18'08
max. Earth dist.	-7291 Dec 02 j 23:47	19°♎50'36	6.06716 AU
morning rise	-7291 Dec 15 j 08:01	22°♎45'12	
	-7290 Jan 16 j 08:11	0°♏	
retrograde	-7290 Apr 25 j 22:24	12°♏43'48	
opposition	-7290 Jun 25 j 11:07	7°♏40'48	-1°07'06
min. Earth dist.	-7290 Jun 24 j 15:32	7°♏47'20	4.04982 AU
direct	-7290 Aug 22 j 20:06	2°♏46'54	
	-7290 Nov 24 j 20:03	15°♏	
evening set	-7290 Dec 24 j 20:30	21°♏49'41	
conjunction	-7289 Jan 07 j 05:28	24°♏58'42	-1°06'26
minimum elong	-7289 Jan 07 j 05:23	24°♏58'39	1°06'48
max. Earth dist.	-7289 Jan 08 j 16:36	25°♏19'25	6.04499 AU
morning rise	-7289 Jan 20 j 17:55	28°♏09'27	
	-7289 Jan 28 j 16:02	0°♐	
retrograde	-7289 Jun 01 j 07:36	18°♐13'21	
min. Earth dist.	-7289 Jul 30 j 03:38	13°♐17'04	4.05603 AU
opposition	-7289 Jul 31 j 05:27	13°♐08'17	-2°03'29
direct	-7289 Sep 27 j 07:43	8°♐11'32	
evening set	-7288 Jan 30 j 16:48	27°♐20'10	
	-7288 Feb 11 j 03:59	0°♑	
conjunction	-7288 Feb 13 j 07:40	0°♑30'06	-1°30'23
minimum elong	-7288 Feb 13 j 07:39	0°♑30'05	1°30'53
max. Earth dist.	-7288 Feb 14 j 23:07	0°♑53'04	6.07768 AU
morning rise	-7288 Feb 27 j 00:29	3°♑40'56	
retrograde	-7288 Jul 05 j 14:28	23°♑16'35	
opposition	-7288 Sep 02 j 23:03	18°♑12'03	-2°13'54
min. Earth dist.	-7288 Sep 02 j 01:39	18°♑19'22	4.11249 AU
direct	-7288 Oct 31 j 14:03	13°♑11'53	
	-7287 Feb 25 j 16:01	0°♒	
evening set	-7287 Mar 07 j 10:53	2°♒12'22	
conjunction	-7287 Mar 21 j 04:36	5°♒20'16	-1°21'26
minimum elong	-7287 Mar 21 j 04:40	5°♒20'18	1°21'52
max. Earth dist.	-7287 Mar 22 j 08:12	5°♒36'01	6.15269 AU
morning rise	-7287 Apr 03 j 22:30	8°♒28'03	
	-7287 May 03 j 16:33	15°♒	
retrograde	-7287 Aug 08 j 04:32	27°♒14'00	
opposition	-7287 Oct 06 j 09:39	22°♒12'14	-1°37'37
min. Earth dist.	-7287 Oct 05 j 21:52	22°♒16'14	4.19814 AU
direct	-7287 Dec 05 j 01:43	17°♒09'20	
	-7286 Mar 16 j 01:27	0°♓	
evening set	-7286 Apr 12 j 02:18	5°♓51'42	
conjunction	-7286 Apr 25 j 18:44	8°♓55'21	-0°45'04
minimum elong	-7286 Apr 25 j 18:48	8°♓55'24	0°45'17
max. Earth dist.	-7286 Apr 26 j 01:26	8°♓59'06	6.24303 AU
morning rise	-7286 May 09 j 09:19	11°♓57'55	
retrograde	-7286 Sep 09 j 11:07	29°♓53'26	
opposition	-7286 Nov 07 j 18:31	24°♓55'31	-0°31'22
min. Earth dist.	-7286 Nov 07 j 21:20	24°♓54'35	4.28414 AU
direct	-7285 Jan 07 j 17:57	19°♓51'28	
	-7285 Apr 06 j 20:57	0°♈	

Attention, astronomical year style is used: The year -7285 in astronomical counting style is the year 7286 BCE in historical counting style.

asc. node	-7285 Apr 23 j 14:27	3°♈22'37	
evening set	-7285 May 16 j 04:29	8°♈14'05	
conjunction	-7285 May 29 j 14:40	11°♈12'07	0°04'38
minimum elong	-7285 May 29 j 14:40	11°♈12'06	0°04'40
behind sun begin	-7285 May 29 j 06:39	11°♈07'41	
behind sun end	-7285 May 29 j 22:41	11°♈16'31	
max. Earth dist.	-7285 May 29 j 00:16	11°♈04'08	6.31872 AU
morning rise	-7285 Jun 11 j 21:34	14°♈08'27	
	-7285 Sep 10 j 03:01	0°♉	
retrograde	-7285 Oct 10 j 19:34	1°♉29'27	
	-7285 Nov 10 j 13:43	30°℞♈	
opposition	-7285 Dec 09 j 13:59	26°♈35'04	0°42'11
min. Earth dist.	-7285 Dec 10 j 04:51	26°♈30'12	4.34399 AU
direct	-7284 Feb 09 j 13:47	21°♈31'34	
	-7284 Apr 30 j 16:31	0°♉	
evening set	-7284 Jun 16 j 19:30	9°♉39'42	
conjunction	-7284 Jun 29 j 20:03	12°♉32'07	0°51'53
minimum elong	-7284 Jun 29 j 19:59	12°♉32'05	0°52'10
max. Earth dist.	-7284 Jun 28 j 14:22	12°♉15'41	6.35781 AU
	-7284 Jul 10 j 23:38	15°♉	
morning rise	-7284 Jul 12 j 17:09	15°♉22'50	
	-7284 Sep 30 j 06:27	0°♊	
retrograde	-7284 Nov 10 j 03:58	2°♊32'47	
	-7284 Dec 21 j 14:19	30°℞♉	
opposition	-7283 Jan 09 j 11:17	27°♉40'45	1°42'23
min. Earth dist.	-7283 Jan 10 j 11:23	27°♉33'01	4.36083 AU
direct	-7283 Mar 13 j 00:43	22°♉39'12	
	-7283 May 26 j 20:16	0°♊	
evening set	-7283 Jul 18 j 09:42	10°♊41'15	
max. Earth dist.	-7283 Jul 29 j 12:20	13°♊09'29	6.34971 AU
conjunction	-7283 Jul 31 j 01:10	13°♊30'02	1°23'55
minimum elong	-7283 Jul 31 j 01:07	13°♊30'00	1°24'22
morning rise	-7283 Aug 12 j 14:08	16°♊17'38	
	-7283 Oct 23 j 04:27	0°♋	
retrograde	-7283 Dec 12 j 03:16	3°♋40'29	
	-7282 Feb 01 j 14:10	30°℞♊	
opposition	-7282 Feb 11 j 00:08	28°♊48'58	2°13'33
min. Earth dist.	-7282 Feb 12 j 01:50	28°♊40'48	4.32957 AU
direct	-7282 Apr 14 j 10:11	23°♊50'09	
	-7282 Jun 20 j 17:48	0°♋	
evening set	-7282 Aug 18 j 13:52	11°♋54'54	
max. Earth dist.	-7282 Aug 29 j 16:48	14°♋25'37	6.29690 AU
conjunction	-7282 Aug 31 j 00:33	14°♋43'36	1°31'53
minimum elong	-7282 Aug 31 j 00:34	14°♋43'37	1°32'22
morning rise	-7282 Sep 12 j 10:00	17°♋31'52	
	-7282 Nov 13 j 06:20	0°♌	
retrograde	-7281 Jan 14 j 09:21	5°♌28'00	
opposition	-7281 Mar 16 j 15:16	0°♌35'11	2°05'54
min. Earth dist.	-7281 Mar 17 j 11:14	0°♌28'51	4.25869 AU
	-7281 Mar 21 j 06:20	30°℞♋	
direct	-7281 May 17 j 07:23	25°♋39'21	
	-7281 Jul 11 j 03:26	0°♌	
evening set	-7281 Sep 19 j 01:39	13°♌54'08	
	-7281 Sep 23 j 20:22	15°♌	
conjunction	-7281 Oct 01 j 13:20	16°♌46'39	1°12'19
minimum elong	-7281 Oct 01 j 13:24	16°♌46'41	1°12'42
max. Earth dist.	-7281 Sep 30 j 17:25	16°♌35'09	6.21400 AU
morning rise	-7281 Oct 14 j 01:58	19°♌39'46	
	-7281 Dec 01 j 11:12	0°♍	
retrograde	-7280 Feb 18 j 03:56	8°♍22'15	
opposition	-7280 Apr 19 j 11:35	3°♍26'19	1°18'15
min. Earth dist.	-7280 Apr 19 j 18:24	3°♍24'08	4.16870 AU
	-7280 May 19 j 06:18	30°℞♌	
direct	-7280 Jun 18 j 22:18	28°♌32'42	
	-7280 Jul 19 j 08:20	0°♍	
evening set	-7280 Oct 20 j 15:39	17°♍03'23	
conjunction	-7280 Nov 02 j 09:49	20°♍02'27	0°28'59
minimum elong	-7280 Nov 02 j 09:51	20°♍02'28	0°29'07
max. Earth dist.	-7280 Nov 02 j 11:09	20°♍03'14	6.12580 AU
morning rise	-7280 Nov 15 j 06:14	23°♍02'54	
	-7280 Dec 16 j 03:45	0°♎	
retrograde	-7279 Mar 25 j 06:26	12°♎32'28	
opposition	-7279 May 25 j 06:46	7°♎32'38	0°02'06
min. Earth dist.	-7279 May 24 j 22:39	7°♎35'18	4.08886 AU
desc. node	-7279 Jun 04 j 08:29	6°♎14'29	
direct	-7279 Jul 23 j 11:27	2°♎39'45	
evening set	-7279 Nov 23 j 22:00	21°♎29'00	
conjunction	-7279 Dec 07 j 00:19	24°♎34'29	-0°25'29
minimum elong	-7279 Dec 07 j 00:17	24°♎34'27	0°25'38
max. Earth dist.	-7279 Dec 07 j 21:33	24°♎47'01	6.06172 AU
morning rise	-7279 Dec 20 j 06:13	27°♎41'52	
	-7279 Dec 30 j 03:33	0°♏	
	-7278 Mar 19 j 15:15	15°♏	
retrograde	-7278 Apr 30 j 22:27	17°♏43'01	
	-7278 Jun 12 j 05:24	15°℞♏	
opposition	-7278 Jun 30 j 09:57	12°♏39'37	-1°16'56
min. Earth dist.	-7278 Jun 29 j 12:38	12°♏46'45	4.04736 AU
direct	-7278 Aug 27 j 16:48	7°♏45'23	
	-7278 Nov 05 j 03:37	15°♏	
evening set	-7278 Dec 29 j 20:54	26°♏49'51	
conjunction	-7277 Jan 12 j 06:58	29°♏59'15	-1°11'30
minimum elong	-7277 Jan 12 j 06:53	29°♏59'12	1°11'53
	-7277 Jan 12 j 08:14	0°♐	
max. Earth dist.	-7277 Jan 13 j 20:21	0°♐21'17	6.04563 AU
morning rise	-7277 Jan 25 j 20:04	3°♐10'15	
retrograde	-7277 Jun 06 j 07:26	23°♐12'41	
min. Earth dist.	-7277 Aug 04 j 01:22	18°♐15'58	4.05974 AU
opposition	-7277 Aug 05 j 02:06	18°♐07'33	-2°07'54
direct	-7277 Oct 02 j 05:23	13°♐10'20	
	-7276 Jan 25 j 16:26	0°♑	
evening set	-7276 Feb 04 j 19:14	2°♑19'17	
conjunction	-7276 Feb 18 j 10:38	5°♑29'10	-1°31'06
minimum elong	-7276 Feb 18 j 10:38	5°♑29'10	1°31'36
max. Earth dist.	-7276 Feb 20 j 00:39	5°♑51'14	6.08391 AU
morning rise	-7276 Mar 03 j 03:57	8°♑39'53	
retrograde	-7276 Jul 10 j 07:35	28°♑10'24	
opposition	-7276 Sep 07 j 15:57	23°♑06'09	-2°11'25
min. Earth dist.	-7276 Sep 06 j 18:51	23°♑13'22	4.12065 AU
direct	-7276 Nov 05 j 08:28	18°♑05'32	
	-7275 Feb 08 j 03:58	0°♒	
evening set	-7275 Mar 12 j 11:44	7°♒04'59	
conjunction	-7275 Mar 26 j 05:36	10°♒12'33	-1°17'44
minimum elong	-7275 Mar 26 j 05:41	10°♒12'35	1°18'09
max. Earth dist.	-7275 Mar 27 j 06:04	10°♒26'29	6.16220 AU
morning rise	-7275 Apr 08 j 23:23	13°♒19'52	
	-7275 Apr 16 j 09:35	15°♒	
	-7275 Jul 08 j 10:45	0°♓	
retrograde	-7275 Aug 12 j 19:49	1°♓59'31	
	-7275 Sep 16 j 22:11	30°℞♒	
opposition	-7275 Oct 10 j 23:34	26°♒58'14	-1°29'39
min. Earth dist.	-7275 Oct 10 j 14:29	27°♒01'19	4.20783 AU
direct	-7275 Dec 09 j 20:38	21°♒55'04	
	-7274 Feb 24 j 19:47	0°♓	
evening set	-7274 Apr 16 j 23:09	10°♓35'37	

Attention, astronomical year style is used: The year -7274 in astronomical counting style is the year 7275 BCE in historical counting style.

conjunction	-7274 Apr 30 j 15:11	13°♓38'43	-0°38'32
minimum elong	-7274 Apr 30 j 15:15	13°♓38'45	0°38'43
max. Earth dist.	-7274 Apr 30 j 19:46	13°♓41'17	6.25235 AU
morning rise	-7274 May 14 j 04:57	16°♓40'36	
	-7274 Jul 21 j 01:53	0°♈	
retrograde	-7274 Sep 13 j 21:18	4°♈30'59	
	-7274 Nov 08 j 23:06	30°℞♓	
opposition	-7274 Nov 12 j 06:32	29°♓33'35	-0°20'56
min. Earth dist.	-7274 Nov 12 j 10:02	29°♓32'25	4.29246 AU
direct	-7273 Jan 12 j 08:45	24°♓29'32	
asc. node	-7273 Mar 02 j 20:43	28°♓00'30	
	-7273 Mar 16 j 12:37	0°♈	
evening set	-7273 May 20 j 21:00	12°♈50'20	
conjunction	-7273 Jun 03 j 05:54	15°♈47'35	0°11'45
minimum elong	-7273 Jun 03 j 05:52	15°♈47'34	0°11'50
behind sun begin	-7273 Jun 03 j 00:14	15°♈44'27	
behind sun end	-7273 Jun 03 j 11:30	15°♈50'40	
max. Earth dist.	-7273 Jun 02 j 12:58	15°♈38'12	6.32567 AU
morning rise	-7273 Jun 16 j 11:34	18°♈43'06	
	-7273 Aug 11 j 16:53	0°♉	
retrograde	-7273 Oct 15 j 06:48	6°♉01'17	
opposition	-7273 Dec 14 j 01:50	1°♉07'20	0°51'53
min. Earth dist.	-7273 Dec 14 j 18:35	1°♉01'53	4.34929 AU
	-7273 Dec 22 j 18:00	30°℞♈	
direct	-7272 Feb 14 j 05:16	26°♈04'03	
	-7272 Apr 07 j 07:26	0°♉	
evening set	-7272 Jun 21 j 07:53	14°♉10'31	
	-7272 Jun 25 j 01:53	15°♉	
max. Earth dist.	-7272 Jul 03 j 00:34	16°♉45'19	6.36104 AU
conjunction	-7272 Jul 04 j 07:06	17°♉02'13	0°57'33
minimum elong	-7272 Jul 04 j 07:02	17°♉02'10	0°57'51
morning rise	-7272 Jul 17 j 02:51	19°♉52'14	
	-7272 Sep 04 j 19:32	0°♊	
retrograde	-7272 Nov 14 j 13:46	7°♊01'50	
opposition	-7271 Jan 13 j 23:57	2°♊09'55	1°48'44
min. Earth dist.	-7271 Jan 14 j 23:38	2°♊02'19	4.36212 AU
	-7271 Jan 31 j 11:41	30°℞♉	
direct	-7271 Mar 17 j 13:20	27°♉08'40	
	-7271 May 01 j 11:00	0°♊	
evening set	-7271 Jul 22 j 18:54	15°♊09'24	
max. Earth dist.	-7271 Aug 02 j 21:57	17°♊37'59	6.34887 AU
conjunction	-7271 Aug 04 j 09:21	17°♊57'45	1°26'34
minimum elong	-7271 Aug 04 j 09:18	17°♊57'44	1°27'02
morning rise	-7271 Aug 16 j 21:20	20°♊44'59	
	-7271 Sep 30 j 06:57	0°♋	
retrograde	-7271 Dec 16 j 16:13	8°♋09'48	
opposition	-7270 Feb 15 j 14:50	3°♋18'12	2°14'48
min. Earth dist.	-7270 Feb 16 j 16:29	3°♋10'04	4.32658 AU
	-7270 Mar 16 j 03:56	30°℞♊	
direct	-7270 Apr 19 j 00:22	28°♊19'47	
	-7270 May 22 j 16:51	0°♋	
evening set	-7270 Aug 22 j 21:34	16°♋23'41	
max. Earth dist.	-7270 Sep 03 j 00:09	18°♋54'26	6.29184 AU
conjunction	-7270 Sep 04 j 07:51	19°♋12'26	1°30'46
minimum elong	-7270 Sep 04 j 07:53	19°♋12'26	1°31'14
morning rise	-7270 Sep 16 j 17:25	22°♋00'55	
	-7270 Oct 23 j 20:09	0°♌	
retrograde	-7269 Jan 19 j 00:43	10°♌01'01	
opposition	-7269 Mar 21 j 08:10	5°♌07'47	2°01'30
min. Earth dist.	-7269 Mar 22 j 02:25	5°♌01'58	4.25174 AU
direct	-7269 May 21 j 20:56	0°♌12'13	
	-7269 Sep 08 j 03:46	15°♌	
evening set	-7269 Sep 23 j 10:20	18°♌27'14	
conjunction	-7269 Oct 05 j 22:43	21°♌20'20	1°07'35
minimum elong	-7269 Oct 05 j 22:47	21°♌20'22	1°07'57
max. Earth dist.	-7269 Oct 05 j 06:04	21°♌10'42	6.20590 AU
morning rise	-7269 Oct 18 j 11:57	24°♌14'06	
	-7269 Nov 13 j 06:54	0°♍	
retrograde	-7268 Feb 22 j 23:41	13°♍01'44	
opposition	-7268 Apr 24 j 06:42	8°♍05'19	1°09'06
min. Earth dist.	-7268 Apr 24 j 12:38	8°♍03'25	4.15983 AU
direct	-7268 Jun 23 j 14:19	3°♍11'52	
evening set	-7268 Oct 25 j 04:09	21°♍44'03	
conjunction	-7268 Nov 06 j 23:10	24°♍43'55	0°21'54
minimum elong	-7268 Nov 06 j 23:13	24°♍43'56	0°22'00
max. Earth dist.	-7268 Nov 07 j 01:10	24°♍45'05	6.11694 AU
morning rise	-7268 Nov 19 j 21:00	27°♍45'20	
	-7268 Nov 29 j 13:46	0°♎	
retrograde	-7267 Mar 30 j 03:27	17°♎19'59	
desc. node	-7267 Apr 16 j 16:01	16°♎51'04	
opposition	-7267 May 30 j 03:22	12°♎19'37	-0°09'04
min. Earth dist.	-7267 May 29 j 17:06	12°♎22'59	4.08075 AU
direct	-7267 Jul 28 j 04:01	7°♎26'37	
evening set	-7267 Nov 28 j 15:55	26°♎18'28	
conjunction	-7267 Dec 11 j 19:32	29°♎24'45	-0°32'37
minimum elong	-7267 Dec 11 j 19:29	29°♎24'43	0°32'49
max. Earth dist.	-7267 Dec 12 j 19:50	29°♎39'07	6.05518 AU
	-7267 Dec 14 j 07:08	0°♏	
morning rise	-7267 Dec 25 j 02:26	2°♏32'53	
	-7266 Feb 21 j 00:39	15°♏	
retrograde	-7266 May 05 j 23:22	22°♏37'06	
min. Earth dist.	-7266 Jul 04 j 09:52	17°♏40'26	4.04318 AU
opposition	-7266 Jul 05 j 06:51	17°♏33'23	-1°26'02
	-7266 Jul 25 j 08:24	15°℞♏	
direct	-7266 Sep 01 j 12:32	12°♏38'50	
	-7266 Oct 09 j 08:19	15°♏	
	-7266 Dec 27 j 06:39	0°♐	
evening set	-7265 Jan 03 j 20:31	1°♐45'56	
conjunction	-7265 Jan 17 j 07:24	4°♐55'47	-1°15'57
minimum elong	-7265 Jan 17 j 07:20	4°♐55'44	1°16'21
max. Earth dist.	-7265 Jan 18 j 20:48	5°♐17'48	6.04407 AU
morning rise	-7265 Jan 30 j 21:29	8°♐07'13	
retrograde	-7265 Jun 11 j 04:12	28°♐08'45	
opposition	-7265 Aug 09 j 21:17	23°♐03'38	-2°11'17
min. Earth dist.	-7265 Aug 08 j 19:52	23°♐12'18	4.06133 AU
direct	-7265 Oct 06 j 23:40	18°♐05'59	
	-7264 Jan 08 j 07:40	0°♑	
evening set	-7264 Feb 09 j 21:21	7°♑16'14	
conjunction	-7264 Feb 23 j 13:24	10°♑26'12	-1°31'06
minimum elong	-7264 Feb 23 j 13:24	10°♑26'12	1°31'35
max. Earth dist.	-7264 Feb 25 j 02:01	10°♑47'27	6.08855 AU
morning rise	-7264 Mar 08 j 07:07	13°♑36'52	
	-7264 May 31 j 20:04	0°♒	
retrograde	-7264 Jul 15 j 02:35	3°♒02'50	
	-7264 Aug 28 j 04:02	30°℞♑	
opposition	-7264 Sep 12 j 08:47	27°♑58'53	-2°07'57
min. Earth dist.	-7264 Sep 11 j 13:34	28°♑05'28	4.12776 AU
direct	-7264 Nov 10 j 05:14	22°♑57'52	
	-7263 Jan 19 j 02:22	0°♒	
evening set	-7263 Mar 17 j 12:15	11°♒56'26	
	-7263 Mar 30 j 23:50	15°♒	
conjunction	-7263 Mar 31 j 06:22	15°♒03'43	-1°13'27
minimum elong	-7263 Mar 31 j 06:27	15°♒03'45	1°13'50
max. Earth dist.	-7263 Apr 01 j 06:05	15°♒17'11	6.17144 AU
morning rise	-7263 Apr 13 j 23:53	18°♒10'33	

Attention, astronomical year style is used: The year -7263 in astronomical counting style is the year 7264 BCE in historical counting style.

	-7263 Jun 10 j 04:55	0°♓	
retrograde	-7263 Aug 17 j 09:08	6°♓43'51	
opposition	-7263 Oct 15 j 13:21	1°♓43'05	-1°21'05
min. Earth dist.	-7263 Oct 15 j 04:46	1°♓45'59	4.21823 AU
	-7263 Oct 28 j 12:46	30°℞♒	
direct	-7263 Dec 14 j 13:21	26°♒39'43	
	-7262 Jan 30 j 22:45	0°♓	
evening set	-7262 Apr 21 j 19:38	15°♓17'57	
conjunction	-7262 May 05 j 10:51	18°♓20'19	-0°31'44
minimum elong	-7262 May 05 j 10:53	18°♓20'21	0°31'54
max. Earth dist.	-7262 May 05 j 11:45	18°♓20'50	6.26315 AU
morning rise	-7262 May 18 j 23:51	21°♓21'24	
	-7262 Jun 29 j 01:43	0°♈	
retrograde	-7262 Sep 18 j 08:48	9°♈06'10	
opposition	-7262 Nov 16 j 18:06	4°♈09'16	-0°10'25
min. Earth dist.	-7262 Nov 17 j 00:05	4°♈07'16	4.30250 AU
	-7262 Dec 23 j 18:33	30°℞♓	
asc. node	-7261 Jan 10 j 14:29	29°♓09'06	
direct	-7261 Jan 17 j 01:18	29°♓05'10	
	-7261 Feb 10 j 13:33	0°♈	
evening set	-7261 May 25 j 12:01	17°♈23'20	
conjunction	-7261 Jun 07 j 19:48	20°♈19'45	0°18'46
minimum elong	-7261 Jun 07 j 19:46	20°♈19'44	0°18'53
max. Earth dist.	-7261 Jun 07 j 01:54	20°♈09'51	6.33399 AU
morning rise	-7261 Jun 20 j 23:59	23°♈14'21	
	-7261 Jul 22 j 21:40	0°♉	
retrograde	-7261 Oct 19 j 14:25	10°♉29'27	
opposition	-7261 Dec 18 j 12:24	5°♉35'51	1°01'12
min. Earth dist.	-7261 Dec 19 j 05:29	5°♉30'18	4.35518 AU
direct	-7260 Feb 18 j 17:06	0°♉32'46	
	-7260 Jun 08 j 23:52	15°♉	
evening set	-7260 Jun 25 j 18:22	18°♉37'25	
max. Earth dist.	-7260 Jul 07 j 07:50	21°♉10'32	6.36368 AU
conjunction	-7260 Jul 08 j 16:05	21°♉28'24	1°02'50
minimum elong	-7260 Jul 08 j 16:00	21°♉28'21	1°03'11
morning rise	-7260 Jul 21 j 10:36	24°♉17'47	
	-7260 Aug 17 j 02:35	0°♊	
retrograde	-7260 Nov 19 j 00:34	11°♊27'39	
opposition	-7259 Jan 18 j 11:44	6°♊35'56	1°54'28
min. Earth dist.	-7259 Jan 19 j 13:03	6°♊27'50	4.36125 AU
direct	-7259 Mar 22 j 02:27	1°♊35'02	
evening set	-7259 Jul 27 j 02:47	19°♊35'18	
max. Earth dist.	-7259 Aug 07 j 04:22	22°♊03'19	6.34425 AU
conjunction	-7259 Aug 08 j 16:23	22°♊23'27	1°28'45
minimum elong	-7259 Aug 08 j 16:21	22°♊23'26	1°29'13
morning rise	-7259 Aug 21 j 03:40	25°♊10'34	
	-7259 Sep 12 j 07:54	0°♋	
retrograde	-7259 Dec 21 j 04:36	12°♋38'56	
opposition	-7258 Feb 20 j 05:12	7°♋47'13	2°15'24
min. Earth dist.	-7258 Feb 21 j 05:45	7°♋39'26	4.31861 AU
direct	-7258 Apr 23 j 11:45	2°♋49'11	
evening set	-7258 Aug 27 j 05:39	20°♋54'12	
max. Earth dist.	-7258 Sep 07 j 10:12	23°♋26'26	6.28116 AU
conjunction	-7258 Sep 08 j 15:55	23°♋43'20	1°29'09
minimum elong	-7258 Sep 08 j 15:57	23°♋43'21	1°29'37
morning rise	-7258 Sep 21 j 01:31	26°♋32'19	
	-7258 Oct 06 j 13:59	0°♌	
retrograde	-7257 Jan 23 j 19:42	14°♌38'33	
opposition	-7257 Mar 26 j 02:47	9°♌45'00	1°56'24
min. Earth dist.	-7257 Mar 26 j 20:37	9°♌39'20	4.23885 AU
direct	-7257 May 26 j 12:37	4°♌49'49	
	-7257 Aug 21 j 19:26	15°♌	
evening set	-7257 Sep 27 j 21:27	23°♌07'12	
conjunction	-7257 Oct 10 j 10:27	26°♌01'12	1°02'21
minimum elong	-7257 Oct 10 j 10:32	26°♌01'14	1°02'39
max. Earth dist.	-7257 Oct 09 j 18:41	25°♌52'03	6.19197 AU
morning rise	-7257 Oct 23 j 00:50	28°♌56'02	
	-7257 Oct 27 j 16:18	0°♍	
retrograde	-7256 Feb 27 j 21:46	17°♍51'02	
opposition	-7256 Apr 29 j 05:22	12°♍54'06	0°59'16
min. Earth dist.	-7256 Apr 29 j 08:21	12°♍53'08	4.14585 AU
direct	-7256 Jun 28 j 07:43	8°♍00'49	
evening set	-7256 Oct 29 j 21:02	26°♍36'21	
conjunction	-7256 Nov 11 j 17:21	29°♍37'19	0°14'24
minimum elong	-7256 Nov 11 j 17:23	29°♍37'20	0°14'28
behind sun begin	-7256 Nov 11 j 13:37	29°♍35'07	
behind sun end	-7256 Nov 11 j 21:08	29°♍39'32	
max. Earth dist.	-7256 Nov 11 j 23:24	29°♍40'52	6.10436 AU
	-7256 Nov 13 j 07:55	0°♎	
morning rise	-7256 Nov 24 j 16:20	2°♎39'51	
desc. node	-7255 Feb 24 j 20:08	20°♎06'27	
retrograde	-7255 Apr 04 j 08:18	22°♎20'46	
opposition	-7255 Jun 04 j 04:49	17°♎19'55	-0°20'39
min. Earth dist.	-7255 Jun 03 j 17:31	17°♎23'39	4.07079 AU
direct	-7255 Aug 02 j 02:48	12°♎26'52	
	-7255 Nov 27 j 19:50	0°♏	
evening set	-7255 Dec 03 j 15:48	1°♏21'59	
conjunction	-7255 Dec 16 j 20:28	4°♏29'02	-0°39'50
minimum elong	-7255 Dec 16 j 20:24	4°♏29'00	0°40'04
max. Earth dist.	-7255 Dec 17 j 22:44	4°♏44'35	6.04883 AU
morning rise	-7255 Dec 30 j 04:41	7°♏38'00	
	-7254 Jan 31 j 16:58	15°♏	
retrograde	-7254 May 11 j 02:00	27°♏44'24	
min. Earth dist.	-7254 Jul 09 j 08:51	22°♏48'13	4.04173 AU
opposition	-7254 Jul 10 j 08:09	22°♏40'23	-1°34'54
direct	-7254 Sep 06 j 10:58	17°♏45'32	
	-7254 Dec 09 j 14:47	0°♐	
evening set	-7253 Jan 09 j 01:05	6°♐54'04	
conjunction	-7253 Jan 22 j 12:50	10°♐04'06	-1°20'01
minimum elong	-7253 Jan 22 j 12:46	10°♐04'04	1°20'28
max. Earth dist.	-7253 Jan 24 j 03:34	10°♐26'53	6.04768 AU
morning rise	-7253 Feb 05 j 03:33	13°♐15'36	
	-7253 May 01 j 08:14	0°♑	
retrograde	-7253 Jun 16 j 04:19	3°♑13'33	
	-7253 Jul 31 j 20:43	30°℞♐	
opposition	-7253 Aug 14 j 19:36	28°♐08'24	-2°13'48
min. Earth dist.	-7253 Aug 13 j 18:41	28°♐16'55	4.06991 AU
direct	-7253 Oct 12 j 00:41	23°♐10'16	
	-7253 Dec 18 j 18:11	0°♑	
evening set	-7252 Feb 15 j 01:41	12°♑18'39	
conjunction	-7252 Feb 28 j 18:14	15°♑28'15	-1°30'30
minimum elong	-7252 Feb 28 j 18:16	15°♑28'16	1°30'59
max. Earth dist.	-7252 Mar 01 j 07:37	15°♑49'51	6.10145 AU
morning rise	-7252 Mar 13 j 12:01	18°♑38'21	
	-7252 May 05 j 22:56	0°♒	
retrograde	-7252 Jul 19 j 19:42	7°♒55'59	
min. Earth dist.	-7252 Sep 16 j 06:44	2°♒58'47	4.14370 AU
opposition	-7252 Sep 17 j 01:32	2°♒52'22	-2°03'35
	-7252 Oct 09 j 12:59	30°℞♑	
direct	-7252 Nov 15 j 01:16	27°♑50'56	
	-7252 Dec 21 j 23:12	0°♒	
	-7251 Mar 14 j 15:54	15°♒	
evening set	-7251 Mar 22 j 11:55	16°♒45'12	

Attention, astronomical year style is used: The year -7251 in astronomical counting style is the year 7252 BCE in historical counting style.

conjunction	-7251 Apr 05 j 05:40	19°♒51'37	-1°08'47
minimum elong	-7251 Apr 05 j 05:44	19°♒51'39	1°09'07
max. Earth dist.	-7251 Apr 06 j 01:20	20°♒02'45	6.18904 AU
morning rise	-7251 Apr 18 j 22:51	22°♒57'30	
	-7251 May 21 j 10:09	0°♓	
retrograde	-7251 Aug 21 j 19:47	11°♓21'36	
opposition	-7251 Oct 20 j 00:40	6°♓21'17	-1°12'12
min. Earth dist.	-7251 Oct 19 j 18:39	6°♓23'19	4.23564 AU
direct	-7251 Dec 19 j 06:27	1°♓17'38	
evening set	-7250 Apr 26 j 12:02	19°♓51'04	
conjunction	-7250 May 10 j 02:34	22°♓52'28	-0°25'00
minimum elong	-7250 May 10 j 02:36	22°♓52'29	0°25'07
max. Earth dist.	-7250 May 10 j 01:37	22°♓51'56	6.27907 AU
morning rise	-7250 May 23 j 14:19	25°♓52'24	
	-7250 Jun 11 j 13:56	0°♈	
retrograde	-7250 Sep 22 j 14:02	13°♈30'22	
opposition	-7250 Nov 21 j 01:36	8°♈33'57	-0°00'17
min. Earth dist.	-7250 Nov 21 j 09:04	8°♈31'29	4.31557 AU
asc. node	-7250 Nov 22 j 13:12	8°♈22'10	
direct	-7249 Jan 21 j 12:01	3°♈29'53	
evening set	-7249 May 29 j 22:14	21°♈44'36	
max. Earth dist.	-7249 Jun 11 j 06:08	24°♈27'41	6.34298 AU
conjunction	-7249 Jun 12 j 04:31	24°♈40'02	0°25'23
minimum elong	-7249 Jun 12 j 04:28	24°♈40'01	0°25'32
morning rise	-7249 Jun 25 j 07:30	27°♈33'45	
	-7249 Jul 06 j 12:11	0°♉	
retrograde	-7249 Oct 23 j 20:05	14°♉46'09	
opposition	-7249 Dec 22 j 19:00	9°♉52'54	1°09'47
min. Earth dist.	-7249 Dec 23 j 14:58	9°♉46'25	4.35960 AU
direct	-7248 Feb 23 j 02:50	4°♉49'57	
	-7248 May 23 j 07:23	15°♉	
evening set	-7248 Jun 30 j 00:29	22°♉53'29	
max. Earth dist.	-7248 Jul 11 j 11:43	25°♉25'29	6.36292 AU
conjunction	-7248 Jul 12 j 21:05	25°♉43'59	1°07'34
minimum elong	-7248 Jul 12 j 21:01	25°♉43'56	1°07'57
morning rise	-7248 Jul 25 j 14:18	28°♉32'52	
	-7248 Aug 01 j 05:16	0°♊	
retrograde	-7248 Nov 23 j 06:30	15°♊44'27	
opposition	-7247 Jan 22 j 20:04	10°♊52'50	1°59'23
min. Earth dist.	-7247 Jan 23 j 21:30	10°♊44'43	4.35565 AU
direct	-7247 Mar 26 j 09:23	5°♊52'17	
evening set	-7247 Jul 31 j 07:58	23°♊53'53	
max. Earth dist.	-7247 Aug 11 j 07:57	26°♊21'27	6.33401 AU
conjunction	-7247 Aug 12 j 20:45	26°♊42'06	1°30'22
minimum elong	-7247 Aug 12 j 20:43	26°♊42'05	1°30'50
morning rise	-7247 Aug 25 j 07:35	29°♊29'25	
	-7247 Aug 27 j 14:33	0°♋	
retrograde	-7247 Dec 25 j 18:13	17°♋03'29	
opposition	-7246 Feb 24 j 18:27	12°♋11'39	2°15'13
min. Earth dist.	-7246 Feb 25 j 19:49	12°♋03'36	4.30438 AU
direct	-7246 Apr 27 j 23:14	7°♋14'01	
evening set	-7246 Aug 31 j 12:49	25°♋22'17	
conjunction	-7246 Sep 12 j 23:15	28°♋12'10	1°26'59
minimum elong	-7246 Sep 12 j 23:18	28°♋12'11	1°27'27
max. Earth dist.	-7246 Sep 11 j 18:16	27°♋55'37	6.26408 AU
	-7246 Sep 20 j 20:15	0°♌	
morning rise	-7246 Sep 25 j 09:19	1°♌02'02	
	-7246 Dec 05 j 03:18	15°♌	
retrograde	-7245 Jan 28 j 14:01	19°♌16'43	
	-7245 Mar 26 j 00:46	15°℞♌	
opposition	-7245 Mar 30 j 21:53	14°♌22'46	1°50'33
min. Earth dist.	-7245 Mar 31 j 13:03	14°♌17'57	4.22019 AU
direct	-7245 May 31 j 02:07	9°♌27'58	
	-7245 Aug 01 j 02:19	15°♌	
evening set	-7245 Oct 02 j 09:58	27°♌49'47	
	-7245 Oct 11 j 18:38	0°♍	
conjunction	-7245 Oct 14 j 23:56	0°♍44'58	0°56'37
minimum elong	-7245 Oct 14 j 24:00	0°♍45'01	0°56'54
max. Earth dist.	-7245 Oct 14 j 11:57	0°♍38'00	6.17353 AU
morning rise	-7245 Oct 27 j 15:20	3°♍41'05	
retrograde	-7244 Mar 04 j 01:15	22°♍45'00	
opposition	-7244 May 04 j 06:07	17°♍47'33	0°48'49
min. Earth dist.	-7244 May 04 j 07:30	17°♍47'06	4.12899 AU
direct	-7244 Jul 03 j 04:39	12°♍54'27	
	-7244 Oct 27 j 22:48	0°♎	
evening set	-7244 Nov 03 j 16:40	1°♎34'19	
conjunction	-7244 Nov 16 j 14:11	4°♎36'26	0°06'40
minimum elong	-7244 Nov 16 j 14:12	4°♎36'26	0°06'41
behind sun begin	-7244 Nov 16 j 06:37	4°♎31'59	
behind sun end	-7244 Nov 16 j 21:47	4°♎40'53	
max. Earth dist.	-7244 Nov 16 j 23:32	4°♎41'55	6.09070 AU
morning rise	-7244 Nov 29 j 14:43	7°♎40'14	
desc. node	-7243 Jan 03 j 18:39	15°♎34'16	
retrograde	-7243 Apr 09 j 13:21	27°♎27'19	
opposition	-7243 Jun 09 j 08:23	22°♎25'56	-0°32'20
min. Earth dist.	-7243 Jun 08 j 17:36	22°♎30'49	4.06182 AU
direct	-7243 Aug 07 j 01:18	17°♎32'47	
	-7243 Nov 10 j 06:04	0°♏	
evening set	-7243 Dec 08 j 18:05	6°♏30'40	
conjunction	-7243 Dec 21 j 23:52	9°♏38'21	-0°46'52
minimum elong	-7243 Dec 21 j 23:47	9°♏38'19	0°47'08
max. Earth dist.	-7243 Dec 23 j 05:25	9°♏55'51	6.04503 AU
morning rise	-7242 Jan 04 j 09:07	12°♏47'54	
	-7242 Jan 13 j 19:53	15°♏	
	-7242 Apr 02 j 12:05	0°♐	
retrograde	-7242 May 16 j 06:27	2°♐55'07	
	-7242 Jun 28 j 22:34	30°℞♏	
min. Earth dist.	-7242 Jul 14 j 10:37	27°♏58'50	4.04339 AU
opposition	-7242 Jul 15 j 10:41	27°♏50'42	-1°43'08
direct	-7242 Sep 11 j 13:27	22°♏55'26	
	-7242 Nov 19 j 02:48	0°♐	
evening set	-7241 Jan 14 j 06:46	12°♐04'09	
conjunction	-7241 Jan 27 j 19:22	15°♐14'13	-1°23'32
minimum elong	-7241 Jan 27 j 19:18	15°♐14'11	1°23'59
max. Earth dist.	-7241 Jan 29 j 12:14	15°♐38'11	6.05420 AU
morning rise	-7241 Feb 10 j 10:37	18°♐25'36	
	-7241 Apr 05 j 02:31	0°♑	
retrograde	-7241 Jun 21 j 04:15	8°♑18'29	
opposition	-7241 Aug 19 j 17:37	3°♑13'26	-2°15'20
min. Earth dist.	-7241 Aug 18 j 16:43	3°♑21'55	4.08057 AU
	-7241 Sep 14 j 12:37	30°℞♐	
direct	-7241 Oct 17 j 00:18	28°♐14'50	
	-7241 Nov 18 j 17:05	0°♑	
evening set	-7240 Feb 20 j 06:10	17°♑20'57	
conjunction	-7240 Mar 04 j 22:55	20°♑30'04	-1°29'15
minimum elong	-7240 Mar 04 j 22:57	20°♑30'05	1°29'44
max. Earth dist.	-7240 Mar 06 j 09:12	20°♑49'49	6.11495 AU
morning rise	-7240 Mar 18 j 16:57	23°♑39'36	
	-7240 Apr 16 j 06:29	0°♒	
retrograde	-7240 Jul 24 j 12:21	12°♒49'10	
opposition	-7240 Sep 21 j 18:14	7°♒45'54	-1°58'27
min. Earth dist.	-7240 Sep 21 j 01:09	7°♒51'44	4.15851 AU
direct	-7240 Nov 19 j 22:25	2°♒44'04	
	-7239 Feb 25 j 05:51	15°♒	

Attention, astronomical year style is used: The year -7239 in astronomical counting style is the year 7240 BCE in historical counting style.

evening set	-7239 Mar 27 j 11:17	21°♒34'46	
conjunction	-7239 Apr 10 j 05:00	24°♒40'30	-1°03'39
minimum elong	-7239 Apr 10 j 05:05	24°♒40'32	1°03'58
max. Earth dist.	-7239 Apr 10 j 23:00	24°♒50'39	6.20422 AU
morning rise	-7239 Apr 23 j 21:32	27°♒45'31	
	-7239 May 03 j 23:35	0°♓	
retrograde	-7239 Aug 26 j 07:49	16°♓01'47	
opposition	-7239 Oct 24 j 12:58	11°♓02'04	-1°02'51
min. Earth dist.	-7239 Oct 24 j 08:49	11°♓03'28	4.24969 AU
direct	-7239 Dec 23 j 22:30	5°♓58'19	
evening set	-7238 May 01 j 05:49	24°♓28'22	
conjunction	-7238 May 14 j 19:17	27°♓28'53	-0°18'02
minimum elong	-7238 May 14 j 19:19	27°♓28'54	0°18'06
max. Earth dist.	-7238 May 14 j 13:40	27°♓25'46	6.29095 AU
	-7238 May 26 j 03:35	0°♈	
morning rise	-7238 May 28 j 06:09	0°♈27'56	
retrograde	-7238 Sep 26 j 22:34	18°♈00'48	
asc. node	-7238 Oct 03 j 06:10	17°♈56'49	
opposition	-7238 Nov 25 j 11:34	13°♈04'53	0°10'03
min. Earth dist.	-7238 Nov 25 j 21:29	13°♈01'36	4.32452 AU
direct	-7237 Jan 26 j 01:52	8°♈00'51	
evening set	-7237 Jun 03 j 10:52	26°♈13'30	
conjunction	-7237 Jun 16 j 15:59	29°♈08'12	0°32'02
minimum elong	-7237 Jun 16 j 15:57	29°♈08'11	0°32'12
max. Earth dist.	-7237 Jun 15 j 16:31	28°♈55'14	6.34839 AU
	-7237 Jun 20 j 13:42	0°♉	
morning rise	-7237 Jun 29 j 17:27	2°♉01'07	
	-7237 Sep 04 j 23:36	15°♉	
retrograde	-7237 Oct 28 j 03:47	19°♉12'06	
	-7237 Dec 21 j 22:35	15°℞♉	
opposition	-7237 Dec 27 j 05:11	14°♉19'11	1°18'16
min. Earth dist.	-7237 Dec 28 j 01:52	14°♉12'30	4.36132 AU
direct	-7236 Feb 27 j 14:02	9°♉16'34	
	-7236 May 02 j 20:05	15°♉	
evening set	-7236 Jul 04 j 09:59	27°♉19'35	
max. Earth dist.	-7236 Jul 15 j 17:18	29°♉49'40	6.36062 AU
	-7236 Jul 16 j 11:55	0°♊	
conjunction	-7236 Jul 17 j 05:11	0°♊09'35	1°12'06
minimum elong	-7236 Jul 17 j 05:06	0°♊09'33	1°12'30
morning rise	-7236 Jul 29 j 21:26	2°♊58'07	
retrograde	-7236 Nov 27 j 18:45	20°♊12'01	
opposition	-7235 Jan 27 j 09:06	15°♊20'28	2°03'51
min. Earth dist.	-7235 Jan 28 j 11:45	15°♊11'58	4.34967 AU
direct	-7235 Mar 30 j 22:52	10°♊20'16	
evening set	-7235 Aug 04 j 16:30	28°♊22'51	
	-7235 Aug 11 j 22:08	0°♋	
max. Earth dist.	-7235 Aug 15 j 17:09	0°♋51'08	6.32484 AU
conjunction	-7235 Aug 17 j 04:46	1°♋11'09	1°31'32
minimum elong	-7235 Aug 17 j 04:45	1°♋11'09	1°32'01
morning rise	-7235 Aug 29 j 15:02	3°♋58'37	
retrograde	-7235 Dec 30 j 08:49	21°♋37'55	
opposition	-7234 Mar 01 j 11:30	16°♋45'55	2°14'14
min. Earth dist.	-7234 Mar 02 j 10:58	16°♋38'28	4.29286 AU
direct	-7234 May 02 j 12:40	11°♋48'45	
evening set	-7234 Sep 04 j 23:14	29°♋58'58	
	-7234 Sep 05 j 01:02	0°♌	
max. Earth dist.	-7234 Sep 16 j 06:49	2°♌34'01	6.25138 AU
conjunction	-7234 Sep 17 j 09:44	2°♌49'26	1°24'16
minimum elong	-7234 Sep 17 j 09:47	2°♌49'27	1°24'42
morning rise	-7234 Sep 29 j 20:14	5°♌40'01	
	-7234 Nov 12 j 09:39	15°♌	
retrograde	-7233 Feb 02 j 12:35	24°♌01'29	
opposition	-7233 Apr 04 j 19:45	19°♌07'08	1°43'51
min. Earth dist.	-7233 Apr 05 j 09:40	19°♌02'42	4.20716 AU
	-7233 May 13 j 07:02	15°℞♌	
direct	-7233 Jun 04 j 21:04	14°♌12'38	
	-7233 Jun 27 j 07:15	15°♌	
	-7233 Sep 25 j 14:39	0°♍	
evening set	-7233 Oct 06 j 23:59	2°♍36'37	
conjunction	-7233 Oct 19 j 14:52	5°♍32'42	0°50'30
minimum elong	-7233 Oct 19 j 14:56	5°♍32'44	0°50'45
max. Earth dist.	-7233 Oct 19 j 06:07	5°♍27'36	6.16164 AU
morning rise	-7233 Nov 01 j 07:26	8°♍29'51	
retrograde	-7232 Mar 09 j 02:04	27°♍39'57	
opposition	-7232 May 09 j 07:02	22°♍41'56	0°38'01
min. Earth dist.	-7232 May 09 j 05:01	22°♍42'35	4.11932 AU
direct	-7232 Jul 08 j 00:17	17°♍48'58	
	-7232 Oct 10 j 20:11	0°♎	
evening set	-7232 Nov 08 j 11:58	6°♎30'36	
desc. node	-7232 Nov 13 j 09:16	7°♎39'28	
conjunction	-7232 Nov 21 j 10:34	9°♎33'28	-0°01'08
minimum elong	-7232 Nov 21 j 10:33	9°♎33'27	0°01'11
behind sun begin	-7232 Nov 21 j 02:26	9°♎28'41	
behind sun end	-7232 Nov 21 j 18:41	9°♎38'14	
max. Earth dist.	-7232 Nov 21 j 23:13	9°♎40'55	6.08409 AU
morning rise	-7232 Dec 04 j 12:17	12°♎38'04	
	-7231 Mar 05 j 04:47	0°♏	
retrograde	-7231 Apr 14 j 16:02	2°♏28'34	
	-7231 May 25 j 02:55	30°℞♎	
opposition	-7231 Jun 14 j 09:33	27°♎26'35	-0°43'31
min. Earth dist.	-7231 Jun 13 j 17:18	27°♎31'59	4.05888 AU
direct	-7231 Aug 12 j 00:41	22°♎33'12	
	-7231 Oct 21 j 16:02	0°♏	
evening set	-7231 Dec 13 j 18:02	11°♏31'57	
conjunction	-7231 Dec 27 j 00:51	14°♏40'01	-0°53'22
minimum elong	-7231 Dec 27 j 00:46	14°♏39'58	0°53'40
max. Earth dist.	-7231 Dec 28 j 09:28	14°♏59'17	6.04589 AU
	-7231 Dec 28 j 10:41	15°♏	
morning rise	-7230 Jan 09 j 11:00	17°♏49'52	
	-7230 Mar 06 j 20:47	0°♐	
retrograde	-7230 May 21 j 06:56	7°♐55'52	
min. Earth dist.	-7230 Jul 19 j 08:23	2°♐59'34	4.04821 AU
opposition	-7230 Jul 20 j 09:03	2°♐51'14	-1°50'17
	-7230 Aug 11 j 22:39	30°℞♏	
direct	-7230 Sep 16 j 11:11	27°♏55'34	
	-7230 Oct 21 j 22:25	0°♐	
evening set	-7229 Jan 19 j 08:48	17°♐03'41	
conjunction	-7229 Feb 01 j 21:55	20°♐13'37	-1°26'17
minimum elong	-7229 Feb 01 j 21:52	20°♐13'35	1°26'45
max. Earth dist.	-7229 Feb 03 j 13:02	20°♐36'30	6.06209 AU
morning rise	-7229 Feb 15 j 13:49	23°♐24'50	
	-7229 Mar 16 j 19:49	0°♑	
retrograde	-7229 Jun 25 j 22:38	13°♑12'28	
min. Earth dist.	-7229 Aug 23 j 11:17	8°♑15'45	4.09072 AU
opposition	-7229 Aug 24 j 11:28	8°♑07'29	-2°15'50
direct	-7229 Oct 21 j 20:36	3°♑08'22	
evening set	-7228 Feb 25 j 06:28	22°♑12'37	
conjunction	-7228 Mar 09 j 23:43	25°♑21'24	-1°27'25
minimum elong	-7228 Mar 09 j 23:46	25°♑21'25	1°27'53
max. Earth dist.	-7228 Mar 11 j 08:51	25°♑40'27	6.12656 AU
morning rise	-7228 Mar 23 j 17:36	28°♑30'23	
	-7228 Mar 30 j 07:41	0°♒	
	-7228 Jun 18 j 20:03	15°♒	

Attention, astronomical year style is used: The year -7228 in astronomical counting style is the year 7229 BCE in historical counting style.

retrograde	-7228 Jul 29 j 03:11	17°♒32'52		
	-7228 Sep 07 j 02:29	15°℞♒		
opposition	-7228 Sep 26 j 07:35	12°♒30'05	-1°52'42	
min. Earth dist.	-7228 Sep 25 j 16:42	12°♒35'10	4.17033 AU	
direct	-7228 Nov 24 j 15:13	7°♒27'56		
	-7227 Feb 05 j 23:07	15°♒		
evening set	-7227 Apr 01 j 07:55	26°♒16'19		
conjunction	-7227 Apr 15 j 01:17	29°♒21'30	-0°58'14	
minimum elong	-7227 Apr 15 j 01:22	29°♒21'33	0°58'32	
max. Earth dist.	-7227 Apr 15 j 14:54	29°♒29'10	6.21532 AU	
	-7227 Apr 17 j 21:39	0°♓		
morning rise	-7227 Apr 28 j 17:28	2°♓25'53		
retrograde	-7227 Aug 30 j 16:46	20°♓36'04		
opposition	-7227 Oct 28 j 23:14	15°♓36'52	-0°53'22	
min. Earth dist.	-7227 Oct 28 j 20:59	15°♓37'37	4.25918 AU	
direct	-7227 Dec 28 j 12:25	10°♓32'58		
evening set	-7226 May 05 j 21:52	29°♓01'21		
	-7226 May 10 j 08:05	0°♈		
conjunction	-7226 May 19 j 10:33	2°♈01'14	-0°11'04	
minimum elong	-7226 May 19 j 10:34	2°♈01'14	0°11'06	
behind sun begin	-7226 May 19 j 04:30	1°♈57'53		
behind sun end	-7226 May 19 j 16:38	2°♈04'36		
max. Earth dist.	-7226 May 19 j 02:40	1°♈56'52	6.29836 AU	
morning rise	-7226 Jun 01 j 20:14	4°♈59'32		
asc. node	-7226 Aug 14 j 02:21	18°♈56'56		
retrograde	-7226 Oct 01 j 07:24	22°♈29'03		
opposition	-7226 Nov 29 j 21:14	17°♈33'40	0°20'13	
min. Earth dist.	-7226 Nov 30 j 08:55	17°♈29'50	4.32937 AU	
direct	-7225 Jan 30 j 14:24	12°♈29'50		
	-7225 Jun 04 j 19:01	0°♉		
evening set	-7225 Jun 07 j 23:14	0°♉41'41		
max. Earth dist.	-7225 Jun 20 j 00:20	3°♉21'03	6.35020 AU	
conjunction	-7225 Jun 21 j 02:57	3°♉35'46	0°38'27	
minimum elong	-7225 Jun 21 j 02:54	3°♉35'44	0°38'41	
morning rise	-7225 Jul 04 j 03:15	6°♉28'06		
	-7225 Aug 14 j 03:29	15°♉		
retrograde	-7225 Nov 01 j 13:32	23°♉38'59		
opposition	-7225 Dec 31 j 16:17	18°♉46'21	1°26'18	
min. Earth dist.	-7224 Jan 01 j 14:09	18°♉39'17	4.36036 AU	
	-7224 Feb 02 j 21:30	15°℞♉		
direct	-7224 Mar 03 j 02:42	13°♉44'02		
	-7224 Apr 01 j 12:28	15°♉		
	-7224 Jun 30 j 16:03	0°♊		
evening set	-7224 Jul 08 j 19:59	1°♊47'15		
max. Earth dist.	-7224 Jul 20 j 03:21	4°♊17'34	6.35694 AU	
conjunction	-7224 Jul 21 j 14:08	4°♊36'54	1°16'14	
minimum elong	-7224 Jul 21 j 14:04	4°♊36'52	1°16'38	
morning rise	-7224 Aug 03 j 05:09	7°♊25'07		
retrograde	-7224 Dec 02 j 06:05	24°♊41'38		
opposition	-7223 Jan 31 j 22:59	19°♊50'11	2°07'36	
min. Earth dist.	-7223 Feb 02 j 00:58	19°♊41'55	4.34374 AU	
direct	-7223 Apr 04 j 11:35	14°♊50'28		
	-7223 Jul 26 j 22:58	0°♋		
evening set	-7223 Aug 09 j 01:47	2°♋53'45		
max. Earth dist.	-7223 Aug 20 j 01:47	5°♋22'04	6.31694 AU	
conjunction	-7223 Aug 21 j 13:18	5°♋42'05	1°32'10	
minimum elong	-7223 Aug 21 j 13:18	5°♋42'05	1°32'40	
morning rise	-7223 Sep 02 j 23:22	8°♋29'45		
retrograde	-7222 Jan 04 j 02:08	26°♋13'49		
opposition	-7222 Mar 06 j 05:22	21°♋21'34	2°12'23	
min. Earth dist.	-7222 Mar 07 j 04:12	21°♋14'19	4.28339 AU	
direct	-7222 May 07 j 04:50	16°♋24'46		
	-7222 Aug 19 j 17:50	0°♌		
evening set	-7222 Sep 09 j 09:18	4°♌36'02		
conjunction	-7222 Sep 21 j 20:13	7°♌27'02	1°21'01	
minimum elong	-7222 Sep 21 j 20:16	7°♌27'04	1°21'25	
max. Earth dist.	-7222 Sep 20 j 20:24	7°♌13'23	6.24114 AU	
morning rise	-7222 Oct 04 j 07:08	10°♌18'17		
	-7222 Oct 25 j 07:25	15°♌		
retrograde	-7221 Feb 07 j 08:41	28°♌45'35		
opposition	-7221 Apr 09 j 16:55	23°♌50'48	1°36'28	
min. Earth dist.	-7221 Apr 10 j 04:21	23°♌47'09	4.19669 AU	
direct	-7221 Jun 09 j 13:38	18°♌56'37		
	-7221 Sep 08 j 10:58	0°♍		
evening set	-7221 Oct 11 j 13:35	7°♍22'05		
conjunction	-7221 Oct 24 j 05:14	10°♍18'57	0°44'04	
minimum elong	-7221 Oct 24 j 05:18	10°♍18'59	0°44'18	
max. Earth dist.	-7221 Oct 23 j 22:47	10°♍15'11	6.15178 AU	
morning rise	-7221 Nov 05 j 22:58	13°♍17'02		
	-7220 Feb 01 j 19:07	0°♎		
retrograde	-7220 Mar 14 j 03:00	2°♎32'45		
	-7220 Apr 24 j 16:33	30°℞♍		
opposition	-7220 May 14 j 06:24	27°♍34'09	0°27'02	
min. Earth dist.	-7220 May 14 j 02:42	27°♍35'21	4.11065 AU	
direct	-7220 Jul 12 j 20:08	22°♍41'12		
	-7220 Sep 21 j 10:55	0°♎		
desc. node	-7220 Sep 23 j 11:01	0°♎22'32		
evening set	-7220 Nov 13 j 06:23	11°♎24'44		
conjunction	-7220 Nov 26 j 06:15	14°♎28'25	-0°08'48	
minimum elong	-7220 Nov 26 j 06:13	14°♎28'24	0°08'52	
behind sun begin	-7220 Nov 25 j 23:12	14°♎24'17		
behind sun end	-7220 Nov 26 j 13:14	14°♎32'31		
max. Earth dist.	-7220 Nov 26 j 22:31	14°♎38'01	6.07749 AU	
morning rise	-7220 Dec 09 j 09:09	17°♎33'51		
	-7219 Feb 05 j 10:39	0°♏		
retrograde	-7219 Apr 19 j 17:43	7°♏27'41		
opposition	-7219 Jun 19 j 09:15	2°♏25'17	-0°54'18	
min. Earth dist.	-7219 Jun 18 j 15:42	2°♏31'07	4.05517 AU	
	-7219 Jul 08 j 11:07	30°℞♎		
direct	-7219 Aug 16 j 21:21	27°♎31'43		
	-7219 Sep 24 j 20:27	0°♏		
	-7219 Dec 12 j 04:01	15°♏		
evening set	-7219 Dec 18 j 17:35	16°♏32'04		
conjunction	-7218 Jan 01 j 01:15	19°♏40'32	-0°59'27	
minimum elong	-7218 Jan 01 j 01:10	19°♏40'29	0°59'47	
max. Earth dist.	-7218 Jan 02 j 10:00	19°♏59'53	6.04509 AU	
morning rise	-7218 Jan 14 j 12:28	22°♏50'49		
	-7218 Feb 15 j 02:36	0°♐		
retrograde	-7218 May 26 j 06:03	12°♐56'22		
min. Earth dist.	-7218 Jul 24 j 05:20	8°♐00'05	4.05056 AU	
opposition	-7218 Jul 25 j 06:40	7°♐51'30	-1°56'38	
direct	-7218 Sep 21 j 08:47	2°♐55'20		
evening set	-7217 Jan 24 j 11:03	22°♐04'02		
conjunction	-7217 Feb 07 j 01:04	25°♐14'04	-1°28'26	
minimum elong	-7217 Feb 07 j 01:02	25°♐14'02	1°28'54	
max. Earth dist.	-7217 Feb 08 j 17:02	25°♐37'24	6.06734 AU	
morning rise	-7217 Feb 20 j 17:19	28°♐25'11		
	-7217 Feb 27 j 13:56	0°♑		
retrograde	-7217 Jun 30 j 19:29	18°♑08'24		
min. Earth dist.	-7217 Aug 28 j 07:07	13°♑11'18	4.09826 AU	
opposition	-7217 Aug 29 j 05:39	13°♑03'35	-2°15'24	
direct	-7217 Oct 26 j 17:06	8°♑03'59		
evening set	-7216 Mar 01 j 08:07	27°♑07'20		
	-7216 Mar 13 j 21:57	0°♒		

Attention, astronomical year style is used: The year -7216 in astronomical counting style is the year 7217 BCE in historical counting style.

conjunction	-7216 Mar 15 j 01:37	0°♒15'52	-1°24'58
minimum elong	-7216 Mar 15 j 01:41	0°♒15'54	1°25'24
max. Earth dist.	-7216 Mar 16 j 07:47	0°♒33'09	6.13566 AU
morning rise	-7216 Mar 28 j 19:44	3°♒24'30	
	-7216 May 23 j 02:48	15°♒	
retrograde	-7216 Aug 02 j 17:07	22°♒20'36	
opposition	-7216 Sep 30 j 22:13	17°♒18'12	-1°46'08
min. Earth dist.	-7216 Sep 30 j 08:18	17°♒22'57	4.18002 AU
	-7216 Oct 18 j 13:13	15°℞♒	
direct	-7216 Nov 29 j 08:47	12°♒15'40	
	-7215 Jan 10 j 15:26	15°♒	
	-7215 Apr 01 j 14:01	0°♓	
evening set	-7215 Apr 06 j 05:59	1°♓02'19	
conjunction	-7215 Apr 19 j 23:07	4°♓07'00	-0°52'21
minimum elong	-7215 Apr 19 j 23:12	4°♓07'03	0°52'36
max. Earth dist.	-7215 Apr 20 j 09:53	4°♓13'03	6.22507 AU
morning rise	-7215 May 03 j 14:42	7°♓10'44	
retrograde	-7215 Sep 04 j 05:44	25°♓15'15	
opposition	-7215 Nov 02 j 11:45	20°♓16'36	-0°43'21
min. Earth dist.	-7215 Nov 02 j 11:55	20°♓16'33	4.26797 AU
direct	-7214 Jan 02 j 05:27	15°♓12'39	
	-7214 Apr 23 j 19:45	0°♈	
evening set	-7214 May 10 j 15:41	3°♈39'11	
conjunction	-7214 May 24 j 03:25	6°♈38'23	-0°03'54
minimum elong	-7214 May 24 j 03:24	6°♈38'23	0°03'54
behind sun begin	-7214 May 23 j 19:16	6°♈33'54	
behind sun end	-7214 May 24 j 11:31	6°♈42'52	
max. Earth dist.	-7214 May 23 j 16:47	6°♈32'30	6.30565 AU
morning rise	-7214 Jun 06 j 11:58	9°♈35'56	
asc. node	-7214 Jun 23 j 08:19	13°♈15'31	
retrograde	-7214 Oct 05 j 16:52	27°♈02'02	
opposition	-7214 Dec 04 j 08:56	22°♈07'05	0°30'27
min. Earth dist.	-7214 Dec 04 j 21:27	22°♈02'58	4.33496 AU
direct	-7213 Feb 04 j 04:43	17°♈03'23	
	-7213 May 19 j 01:52	0°♉	
evening set	-7213 Jun 12 j 13:04	5°♉13'51	
conjunction	-7213 Jun 25 j 15:25	8°♉07'12	0°44'46
minimum elong	-7213 Jun 25 j 15:22	8°♉07'10	0°45'02
max. Earth dist.	-7213 Jun 24 j 12:23	7°♉52'15	6.35389 AU
morning rise	-7213 Jul 08 j 14:16	10°♉58'48	
	-7213 Jul 27 j 04:44	15°♉	
retrograde	-7213 Nov 06 j 00:08	28°♉08'50	
opposition	-7212 Jan 05 j 04:58	23°♉16'30	1°33'56
min. Earth dist.	-7212 Jan 06 j 03:31	23°♉09'15	4.36212 AU
direct	-7212 Mar 07 j 17:11	18°♉14'33	
	-7212 Jun 13 j 19:47	0°♊	
evening set	-7212 Jul 13 j 06:27	6°♊16'34	
max. Earth dist.	-7212 Jul 24 j 11:28	8°♊45'45	6.35647 AU
conjunction	-7212 Jul 25 j 23:18	9°♊05'42	1°19'56
minimum elong	-7212 Jul 25 j 23:15	9°♊05'40	1°20'22
morning rise	-7212 Aug 07 j 13:25	11°♊53'30	
retrograde	-7212 Dec 06 j 18:41	29°♊11'40	
opposition	-7211 Feb 05 j 13:42	24°♊20'09	2°10'33
min. Earth dist.	-7211 Feb 06 j 15:18	24°♊12'00	4.34120 AU
direct	-7211 Apr 09 j 01:47	19°♊20'48	
	-7211 Jul 09 j 21:53	0°♋	
evening set	-7211 Aug 13 j 10:22	7°♋23'20	
conjunction	-7211 Aug 25 j 21:29	10°♋11'37	1°32'14
minimum elong	-7211 Aug 25 j 21:29	10°♋11'37	1°32'43
max. Earth dist.	-7211 Aug 24 j 12:36	9°♋53'04	6.31252 AU
morning rise	-7211 Sep 07 j 07:03	12°♋59'18	
	-7211 Dec 17 j 03:29	0°♌	
retrograde	-7210 Jan 08 j 16:54	0°♌46'55	
	-7210 Jan 31 j 08:24	30°℞♋	
opposition	-7210 Mar 10 j 22:19	25°♋54'26	2°09'41
min. Earth dist.	-7210 Mar 11 j 19:51	25°♋47'36	4.27725 AU
direct	-7210 May 11 j 19:15	20°♋58'04	
	-7210 Aug 02 j 01:29	0°♌	
evening set	-7210 Sep 13 j 18:22	9°♌09'14	
max. Earth dist.	-7210 Sep 25 j 06:17	11°♌47'22	6.23376 AU
conjunction	-7210 Sep 26 j 05:23	12°♌00'39	1°17'16
minimum elong	-7210 Sep 26 j 05:27	12°♌00'41	1°17'40
morning rise	-7210 Oct 08 j 17:00	14°♌52'28	
	-7210 Oct 09 j 06:12	15°♌	
	-7210 Dec 25 j 19:56	0°♍	
retrograde	-7209 Feb 12 j 03:57	3°♍24'44	
	-7209 Apr 02 j 12:25	30°℞♌	
opposition	-7209 Apr 14 j 12:16	28°♌29'27	1°28'31
min. Earth dist.	-7209 Apr 14 j 22:07	28°♌26'17	4.18827 AU
direct	-7209 Jun 14 j 05:22	23°♌35'28	
	-7209 Aug 19 j 21:25	0°♍	
evening set	-7209 Oct 16 j 01:12	12°♍01'55	
conjunction	-7209 Oct 28 j 17:55	14°♍59'36	0°37'27
minimum elong	-7209 Oct 28 j 17:59	14°♍59'38	0°37'38
max. Earth dist.	-7209 Oct 28 j 14:49	14°♍57'47	6.14326 AU
morning rise	-7209 Nov 10 j 12:40	17°♍58'33	
	-7208 Jan 06 j 03:34	0°♎	
retrograde	-7208 Mar 19 j 01:13	7°♎19'24	
opposition	-7208 May 19 j 03:28	2°♎20'19	0°16'02
min. Earth dist.	-7208 May 18 j 22:28	2°♎21'57	4.10265 AU
	-7208 Jun 06 j 20:47	30°℞♍	
direct	-7208 Jul 17 j 13:24	27°♍27'26	
desc. node	-7208 Aug 04 j 21:50	28°♍00'44	
	-7208 Aug 26 j 12:50	0°♎	
evening set	-7208 Nov 17 j 23:13	16°♎13'02	
conjunction	-7208 Nov 30 j 23:59	19°♎17'27	-0°16'13
minimum elong	-7208 Nov 30 j 23:57	19°♎17'26	0°16'19
max. Earth dist.	-7208 Dec 01 j 16:50	19°♎27'24	6.07062 AU
morning rise	-7208 Dec 14 j 04:14	22°♎23'44	
	-7207 Jan 16 j 20:50	0°♏	
retrograde	-7207 Apr 24 j 16:13	12°♏21'12	
min. Earth dist.	-7207 Jun 23 j 11:25	7°♏24'45	4.05022 AU
opposition	-7207 Jun 24 j 06:27	7°♏18'24	-1°04'31
direct	-7207 Aug 21 j 16:05	2°♏24'34	
	-7207 Nov 25 j 08:41	15°♏	
evening set	-7207 Dec 23 j 15:51	21°♏27'30	
conjunction	-7206 Jan 06 j 00:40	24°♏36'32	-1°04'59
minimum elong	-7206 Jan 06 j 00:35	24°♏36'29	1°05'21
max. Earth dist.	-7206 Jan 07 j 11:49	24°♏57'17	6.04255 AU
morning rise	-7206 Jan 19 j 12:38	27°♏47'16	
	-7206 Jan 29 j 01:05	0°♐	
retrograde	-7206 May 31 j 06:00	17°♐53'03	
min. Earth dist.	-7206 Jul 29 j 02:17	12°♐56'25	4.05091 AU
opposition	-7206 Jul 30 j 02:44	12°♐48'06	-2°02'03
direct	-7206 Sep 26 j 05:01	7°♐51'33	
evening set	-7205 Jan 29 j 12:48	27°♐01'52	
	-7205 Feb 11 j 06:46	0°♑	
conjunction	-7205 Feb 12 j 03:26	0°♑12'04	-1°29'53
minimum elong	-7205 Feb 12 j 03:25	0°♑12'03	1°30'22
max. Earth dist.	-7205 Feb 13 j 18:10	0°♑34'38	6.07042 AU
morning rise	-7205 Feb 25 j 20:23	3°♑23'17	
retrograde	-7205 Jul 05 j 13:42	23°♑02'51	
opposition	-7205 Sep 02 j 23:10	17°♑58'16	-2°14'00
min. Earth dist.	-7205 Sep 02 j 00:34	18°♑06'00	4.10395 AU

Attention, astronomical year style is used: The year -7205 in astronomical counting style is the year 7206 BCE in historical counting style.

direct	-7205 Oct 31 j 11:23	12°♑58'16	
	-7204 Feb 26 j 10:35	0°♒	
evening set	-7204 Mar 06 j 09:31	2°♒01'27	
conjunction	-7204 Mar 20 j 03:20	5°♒09'47	-1°21'53
minimum elong	-7204 Mar 20 j 03:24	5°♒09'50	1°22'18
max. Earth dist.	-7204 Mar 21 j 07:24	5°♒25'51	6.14368 AU
morning rise	-7204 Apr 02 j 21:24	8°♒18'04	
	-7204 May 03 j 08:57	15°♒	
retrograde	-7204 Aug 07 j 09:22	27°♒08'15	
opposition	-7204 Oct 05 j 12:59	22°♒06'19	-1°38'50
min. Earth dist.	-7204 Oct 05 j 01:21	22°♒10'17	4.18940 AU
direct	-7204 Dec 04 j 04:19	17°♒03'31	
	-7203 Mar 15 j 10:42	0°♓	
evening set	-7203 Apr 11 j 04:01	5°♓48'21	
conjunction	-7203 Apr 24 j 20:49	8°♓52'29	-0°46'06
minimum elong	-7203 Apr 24 j 20:54	8°♓52'31	0°46'19
max. Earth dist.	-7203 Apr 25 j 05:46	8°♓57'30	6.23526 AU
morning rise	-7203 May 08 j 11:41	11°♓55'31	
retrograde	-7203 Sep 08 j 15:56	29°♓54'06	
opposition	-7203 Nov 06 j 23:50	24°♓55'57	-0°33'04
min. Earth dist.	-7203 Nov 07 j 00:40	24°♓55'40	4.27803 AU
direct	-7202 Jan 06 j 20:48	19°♓51'54	
	-7202 Apr 05 j 22:00	0°♈	
asc. node	-7202 May 02 j 08:10	5°♈25'56	
evening set	-7202 May 15 j 08:49	8°♈16'02	
conjunction	-7202 May 28 j 19:17	11°♈14'21	0°03'25
minimum elong	-7202 May 28 j 19:17	11°♈14'21	0°03'27
behind sun begin	-7202 May 28 j 11:09	11°♈09'52	
behind sun end	-7202 May 29 j 03:26	11°♈18'51	
max. Earth dist.	-7202 May 28 j 05:58	11°♈06'59	6.31476 AU
morning rise	-7202 Jun 11 j 02:40	14°♈11'01	
	-7202 Sep 08 j 17:58	0°♉	
retrograde	-7202 Oct 10 j 03:16	1°♉33'13	
	-7202 Nov 10 j 12:03	30°℞♈	
opposition	-7202 Dec 08 j 20:05	26°♈38'41	0°40'26
min. Earth dist.	-7202 Dec 09 j 10:49	26°♈33'52	4.34221 AU
direct	-7201 Feb 08 j 20:05	21°♈35'06	
	-7201 Apr 30 j 13:41	0°♉	
evening set	-7201 Jun 17 j 01:09	9°♉43'26	
max. Earth dist.	-7201 Jun 28 j 21:29	12°♉20'09	6.35825 AU
conjunction	-7201 Jun 30 j 02:09	12°♉36'00	0°50'46
minimum elong	-7201 Jun 30 j 02:05	12°♉35'57	0°51'04
	-7201 Jul 10 j 22:50	15°♉	
morning rise	-7201 Jul 12 j 23:36	15°♉26'50	
	-7201 Sep 30 j 01:11	0°♊	
retrograde	-7201 Nov 10 j 08:47	2°♊36'05	
	-7201 Dec 22 j 06:51	30°℞♉	
opposition	-7200 Jan 09 j 16:27	27°♉43'54	1°40'58
min. Earth dist.	-7200 Jan 10 j 15:18	27°♉36'33	4.36339 AU
direct	-7200 Mar 12 j 05:06	22°♉42'11	
	-7200 May 25 j 19:38	0°♊	
evening set	-7200 Jul 17 j 15:26	10°♊43'19	
max. Earth dist.	-7200 Jul 28 j 19:47	13°♊12'18	6.35426 AU
conjunction	-7200 Jul 30 j 07:11	13°♊32'02	1°23'11
minimum elong	-7200 Jul 30 j 07:07	13°♊32'00	1°23'37
morning rise	-7200 Aug 11 j 20:13	16°♊19'30	
	-7200 Oct 22 j 08:44	0°♋	
retrograde	-7200 Dec 11 j 06:58	3°♋40'03	
	-7199 Jan 31 j 15:53	30°℞♊	
opposition	-7199 Feb 10 j 03:24	28°♊48'33	2°12'49
min. Earth dist.	-7199 Feb 11 j 05:35	28°♊40'14	4.33559 AU
direct	-7199 Apr 13 j 14:56	23°♊49'34	
	-7199 Jun 20 j 01:06	0°♋	
evening set	-7199 Aug 17 j 18:27	11°♋52'35	
max. Earth dist.	-7199 Aug 28 j 19:34	14°♋22'03	6.30373 AU
conjunction	-7199 Aug 30 j 05:06	14°♋41'01	1°31'48
minimum elong	-7199 Aug 30 j 05:07	14°♋41'01	1°32'16
morning rise	-7199 Sep 11 j 14:42	17°♋29'01	
	-7199 Nov 12 j 21:31	0°♌	
retrograde	-7198 Jan 13 j 09:38	5°♌21'57	
opposition	-7198 Mar 15 j 15:47	0°♌29'07	2°06'18
min. Earth dist.	-7198 Mar 16 j 12:01	0°♌22'42	4.26577 AU
	-7198 Mar 19 j 11:35	30°℞♋	
direct	-7198 May 16 j 09:02	25°♋33'02	
	-7198 Jul 11 j 00:03	0°♌	
evening set	-7198 Sep 18 j 04:17	13°♌46'06	
	-7198 Sep 23 j 13:15	15°♌	
conjunction	-7198 Sep 30 j 15:58	16°♌38'17	1°13'03
minimum elong	-7198 Sep 30 j 16:02	16°♌38'19	1°13'26
max. Earth dist.	-7198 Sep 29 j 20:05	16°♌26'49	6.22069 AU
morning rise	-7198 Oct 13 j 04:09	19°♌30'57	
	-7198 Dec 01 j 10:14	0°♍	
retrograde	-7197 Feb 17 j 02:26	8°♍10'13	
opposition	-7197 Apr 19 j 09:57	3°♍14'29	1°19'54
min. Earth dist.	-7197 Apr 19 j 18:33	3°♍11'44	4.17440 AU
	-7197 May 17 j 02:14	30°℞♌	
direct	-7197 Jun 18 j 23:02	28°♌20'45	
	-7197 Jul 21 j 11:05	0°♍	
evening set	-7197 Oct 20 j 16:18	16°♍50'11	
conjunction	-7197 Nov 02 j 09:56	19°♍48'53	0°30'26
minimum elong	-7197 Nov 02 j 09:59	19°♍48'54	0°30'34
max. Earth dist.	-7197 Nov 02 j 08:04	19°♍47'47	6.12987 AU
morning rise	-7197 Nov 15 j 06:07	22°♍49'00	
	-7197 Dec 17 j 06:15	0°♎	
retrograde	-7196 Mar 24 j 02:26	12°♎16'40	
opposition	-7196 May 24 j 04:10	7°♎17'00	0°04'33
min. Earth dist.	-7196 May 23 j 20:29	7°♎19'31	4.09089 AU
desc. node	-7196 Jun 15 j 02:39	4°♎34'51	
direct	-7196 Jul 22 j 09:38	2°♎24'04	
evening set	-7196 Nov 22 j 20:53	21°♎13'09	
conjunction	-7196 Dec 05 j 23:02	24°♎18'32	-0°23'50
minimum elong	-7196 Dec 05 j 23:00	24°♎18'30	0°23'58
max. Earth dist.	-7196 Dec 06 j 20:08	24°♎31'00	6.06173 AU
morning rise	-7196 Dec 19 j 04:24	27°♎25'44	
	-7196 Dec 30 j 05:43	0°♏	
	-7195 Mar 20 j 18:42	15°♏	
retrograde	-7195 Apr 29 j 22:06	17°♏27'05	
	-7195 Jun 08 j 21:03	15°℞♏	
opposition	-7195 Jun 29 j 08:25	12°♏23'55	-1°14'41
min. Earth dist.	-7195 Jun 28 j 12:45	12°♏30'30	4.04538 AU
direct	-7195 Aug 26 j 16:23	7°♏29'50	
	-7195 Nov 05 j 11:13	15°♏	
evening set	-7195 Dec 28 j 19:28	26°♏35'06	
conjunction	-7194 Jan 11 j 05:08	29°♏44'32	-1°10'17
minimum elong	-7194 Jan 11 j 05:03	29°♏44'29	1°10'40
	-7194 Jan 12 j 07:21	0°♐	
max. Earth dist.	-7194 Jan 12 j 17:26	0°♐05'57	6.04221 AU
morning rise	-7194 Jan 24 j 18:09	2°♐55'40	
retrograde	-7194 Jun 05 j 06:42	22°♐59'59	
min. Earth dist.	-7194 Aug 03 j 00:32	18°♐03'48	4.05573 AU
opposition	-7194 Aug 04 j 02:34	17°♐54'57	-2°06'44
direct	-7194 Oct 01 j 04:07	12°♐57'59	
	-7193 Jan 25 j 11:44	0°♑	
evening set	-7193 Feb 03 j 18:18	2°♑07'53	

Attention, astronomical year style is used: The year -7193 in astronomical counting style is the year 7194 BCE in historical counting style.

conjunction	-7193 Feb 17 j 09:33	5°♑17'53	-1°30'45
minimum elong	-7193 Feb 17 j 09:33	5°♑17'53	1°31'14
max. Earth dist.	-7193 Feb 19 j 00:21	5°♑40'28	6.08011 AU
morning rise	-7193 Mar 03 j 02:47	8°♑28'46	
retrograde	-7193 Jul 10 j 10:21	28°♑01'30	
opposition	-7193 Sep 07 j 18:25	22°♑57'08	-2°11'35
min. Earth dist.	-7193 Sep 06 j 21:20	23°♑04'21	4.11755 AU
direct	-7193 Nov 05 j 11:16	17°♑56'40	
	-7192 Feb 08 j 20:52	0°♒	
evening set	-7192 Mar 11 j 11:35	6°♒56'20	
conjunction	-7192 Mar 25 j 05:33	10°♒04'01	-1°18'15
minimum elong	-7192 Mar 25 j 05:37	10°♒04'03	1°18'40
max. Earth dist.	-7192 Mar 26 j 08:51	10°♒19'34	6.16020 AU
morning rise	-7192 Apr 07 j 23:19	13°♒11'27	
	-7192 Apr 16 j 00:31	15°♒	
	-7192 Jul 08 j 15:59	0°♓	
retrograde	-7192 Aug 11 j 21:43	1°♓52'19	
	-7192 Sep 14 j 21:37	30°℞♒	
opposition	-7192 Oct 10 j 02:33	26°♒50'52	-1°30'58
min. Earth dist.	-7192 Oct 09 j 15:34	26°♒54'35	4.20713 AU
direct	-7192 Dec 08 j 21:39	21°♒47'48	
	-7191 Feb 24 j 13:04	0°♓	
evening set	-7191 Apr 15 j 23:26	10°♓27'43	
conjunction	-7191 Apr 29 j 15:25	13°♓30'48	-0°39'43
minimum elong	-7191 Apr 29 j 15:29	13°♓30'50	0°39'54
max. Earth dist.	-7191 Apr 29 j 20:07	13°♓33'26	6.25280 AU
morning rise	-7191 May 13 j 05:31	16°♓32'45	
	-7191 Jul 20 j 23:44	0°♈	
retrograde	-7191 Sep 13 j 00:35	4°♈23'25	
	-7191 Nov 07 j 02:07	30°℞♓	
opposition	-7191 Nov 11 j 09:04	29°♓25'47	-0°22'57
min. Earth dist.	-7191 Nov 11 j 12:56	29°♓24'30	4.29367 AU
direct	-7190 Jan 11 j 11:49	24°♓21'40	
asc. node	-7190 Mar 13 j 06:50	29°♓30'34	
	-7190 Mar 16 j 09:55	0°♈	
evening set	-7190 May 19 j 21:07	12°♈41'30	
conjunction	-7190 Jun 02 j 06:30	15°♈38'50	0°10'16
minimum elong	-7190 Jun 02 j 06:29	15°♈38'49	0°10'22
behind sun begin	-7190 Jun 02 j 00:05	15°♈35'18	
behind sun end	-7190 Jun 02 j 12:53	15°♈42'21	
max. Earth dist.	-7190 Jun 01 j 15:05	15°♈30'19	6.32722 AU
morning rise	-7190 Jun 15 j 12:24	18°♈34'25	
	-7190 Aug 11 j 15:27	0°♉	
retrograde	-7190 Oct 14 j 06:59	5°♉52'15	
opposition	-7190 Dec 13 j 02:48	0°♉58'08	0°49'45
min. Earth dist.	-7190 Dec 13 j 18:38	0°♉52'58	4.35069 AU
	-7190 Dec 20 j 14:06	30°℞♈	
direct	-7189 Feb 13 j 04:40	25°♈54'43	
	-7189 Apr 08 j 10:53	0°♉	
evening set	-7189 Jun 21 j 08:28	14°♉00'50	
	-7189 Jun 25 j 20:07	15°♉	
max. Earth dist.	-7189 Jul 03 j 00:25	16°♉35'11	6.36190 AU
conjunction	-7189 Jul 04 j 07:59	16°♉52'39	0°56'14
minimum elong	-7189 Jul 04 j 07:55	16°♉52'36	0°56'32
morning rise	-7189 Jul 17 j 04:12	19°♉42'49	
	-7189 Sep 05 j 18:42	0°♊	
retrograde	-7189 Nov 14 j 15:43	6°♊52'04	
opposition	-7188 Jan 14 j 00:04	2°♊00'09	1°47'10
min. Earth dist.	-7188 Jan 15 j 01:17	1°♊52'04	4.36204 AU
	-7188 Jan 30 j 01:36	30°℞♉	
direct	-7188 Mar 16 j 14:14	26°♉58'44	
	-7188 May 01 j 19:14	0°♊	
evening set	-7188 Jul 21 j 20:09	15°♊00'04	
max. Earth dist.	-7188 Aug 01 j 22:02	17°♊28'00	6.34768 AU
conjunction	-7188 Aug 03 j 11:01	17°♊48'39	1°25'50
minimum elong	-7188 Aug 03 j 10:59	17°♊48'37	1°26'18
morning rise	-7188 Aug 15 j 23:21	20°♊36'04	
	-7188 Sep 30 j 03:59	0°♋	
retrograde	-7188 Dec 15 j 16:40	8°♋00'59	
opposition	-7187 Feb 14 j 14:34	3°♋09'25	2°14'18
min. Earth dist.	-7187 Feb 15 j 16:12	3°♋01'16	4.32440 AU
	-7187 Mar 13 j 14:21	30°℞♊	
direct	-7187 Apr 17 j 22:56	28°♊10'49	
	-7187 May 23 j 04:59	0°♋	
evening set	-7187 Aug 22 j 00:14	16°♋16'24	
max. Earth dist.	-7187 Sep 02 j 02:44	18°♋47'10	6.28881 AU
conjunction	-7187 Sep 03 j 10:47	19°♋05'21	1°30'49
minimum elong	-7187 Sep 03 j 10:48	19°♋05'22	1°31'17
morning rise	-7187 Sep 15 j 20:21	21°♋53'59	
	-7187 Oct 23 j 12:24	0°♌	
retrograde	-7186 Jan 18 j 03:17	9°♌54'37	
opposition	-7186 Mar 20 j 08:38	5°♌01'34	2°02'11
min. Earth dist.	-7186 Mar 21 j 04:33	4°♌55'14	4.24802 AU
direct	-7186 May 20 j 22:16	0°♌05'55	
	-7186 Sep 07 j 15:31	15°♌	
evening set	-7186 Sep 22 j 14:28	18°♌23'09	
max. Earth dist.	-7186 Oct 04 j 07:46	21°♌05'26	6.20172 AU
conjunction	-7186 Oct 05 j 02:44	21°♌16'24	1°08'21
minimum elong	-7186 Oct 05 j 02:48	21°♌16'27	1°08'42
morning rise	-7186 Oct 17 j 16:03	24°♌10'21	
	-7186 Nov 12 j 17:18	0°♍	
retrograde	-7185 Feb 22 j 01:16	12°♍58'52	
opposition	-7185 Apr 24 j 08:43	8°♍02'37	1°10'40
min. Earth dist.	-7185 Apr 24 j 14:06	8°♍00'53	4.15566 AU
direct	-7185 Jun 23 j 15:52	3°♍09'08	
evening set	-7185 Oct 25 j 09:13	21°♍43'21	
conjunction	-7185 Nov 07 j 04:13	24°♍43'21	0°23'05
minimum elong	-7185 Nov 07 j 04:15	24°♍43'22	0°23'11
max. Earth dist.	-7185 Nov 07 j 07:14	24°♍45'07	6.11322 AU
morning rise	-7185 Nov 20 j 01:38	27°♍44'48	
	-7185 Nov 29 j 19:12	0°♎	
retrograde	-7184 Mar 29 j 09:01	17°♎20'19	
desc. node	-7184 Apr 24 j 19:27	16°♎15'01	
opposition	-7184 May 29 j 07:27	12°♎20'07	-0°07'11
min. Earth dist.	-7184 May 28 j 22:00	12°♎23'13	4.07784 AU
direct	-7184 Jul 27 j 09:35	7°♎27'11	
evening set	-7184 Nov 27 j 21:27	26°♎20'02	
conjunction	-7184 Dec 11 j 00:40	29°♎26'17	-0°31'24
minimum elong	-7184 Dec 11 j 00:37	29°♎26'15	0°31'36
max. Earth dist.	-7184 Dec 12 j 00:31	29°♎40'23	6.05331 AU
	-7184 Dec 13 j 09:40	0°♏	
morning rise	-7184 Dec 24 j 07:27	2°♏34'25	
	-7183 Feb 20 j 01:30	15°♏	
retrograde	-7183 May 05 j 02:53	22°♏38'51	
opposition	-7183 Jul 04 j 11:59	17°♏35'12	-1°24'27
min. Earth dist.	-7183 Jul 03 j 13:26	17°♏42'46	4.04269 AU
	-7183 Jul 24 j 20:24	15°℞♏	
direct	-7183 Aug 31 j 16:45	12°♏40'48	
	-7183 Oct 08 j 07:19	15°♏	
	-7183 Dec 26 j 08:42	0°♐	
evening set	-7182 Jan 03 j 01:10	1°♐47'26	
conjunction	-7182 Jan 16 j 11:46	4°♐57'07	-1°15'06
minimum elong	-7182 Jan 16 j 11:41	4°♐57'04	1°15'31
max. Earth dist.	-7182 Jan 18 j 02:07	5°♐19'42	6.04497 AU

Attention, astronomical year style is used: The year -7182 in astronomical counting style is the year 7183 BCE in historical counting style.

morning rise	-7182 Jan 30 j 01:28	8°♐08'21	
retrograde	-7182 Jun 10 j 08:54	28°♐09'32	
min. Earth dist.	-7182 Aug 08 j 01:25	23°♐13'01	4.06342 AU
opposition	-7182 Aug 09 j 02:53	23°♐04'20	-2°10'29
direct	-7182 Oct 06 j 06:35	18°♐06'49	
	-7181 Jan 07 j 12:01	0°♑	
evening set	-7181 Feb 09 j 00:11	7°♑15'12	
conjunction	-7181 Feb 22 j 16:03	10°♑24'55	-1°30'57
minimum elong	-7181 Feb 22 j 16:03	10°♑24'56	1°31'25
max. Earth dist.	-7181 Feb 24 j 07:15	10°♑47'38	6.09166 AU
morning rise	-7181 Mar 08 j 09:30	13°♑35'20	
	-7181 Jun 01 j 05:38	0°♒	
retrograde	-7181 Jul 15 j 06:02	3°♒00'29	
	-7181 Aug 28 j 00:49	30°℞♑	
opposition	-7181 Sep 12 j 13:26	27°♑56'25	-2°08'16
min. Earth dist.	-7181 Sep 11 j 16:52	28°♑03'26	4.13162 AU
direct	-7181 Nov 10 j 09:04	22°♑55'31	
	-7180 Jan 19 j 12:34	0°♒	
evening set	-7180 Mar 16 j 13:36	11°♒51'45	
conjunction	-7180 Mar 30 j 07:23	14°♒58'44	-1°14'06
minimum elong	-7180 Mar 30 j 07:27	14°♒58'47	1°14'29
	-7180 Mar 30 j 09:37	15°♒	
max. Earth dist.	-7180 Mar 31 j 06:31	15°♒11'53	6.17548 AU
morning rise	-7180 Apr 13 j 00:59	18°♒05'23	
	-7180 Jun 09 j 19:32	0°♓	
retrograde	-7180 Aug 16 j 11:48	6°♓37'56	
opposition	-7180 Oct 14 j 16:40	1°♓36'57	-1°22'32
min. Earth dist.	-7180 Oct 14 j 08:23	1°♓39'46	4.22204 AU
	-7180 Oct 26 j 20:37	30°℞♒	
direct	-7180 Dec 13 j 17:21	26°♒33'36	
	-7179 Jan 30 j 20:01	0°♓	
evening set	-7179 Apr 20 j 19:32	15°♓09'50	
conjunction	-7179 May 04 j 11:01	18°♓12'07	-0°33'02
minimum elong	-7179 May 04 j 11:04	18°♓12'09	0°33'12
max. Earth dist.	-7179 May 04 j 13:48	18°♓13'41	6.26641 AU
morning rise	-7179 May 17 j 24:00	21°♓13'05	
	-7179 Jun 28 j 20:17	0°♈	
retrograde	-7179 Sep 17 j 09:40	8°♈57'24	
opposition	-7179 Nov 15 j 19:49	4°♈00'20	-0°12'33
min. Earth dist.	-7179 Nov 16 j 01:03	3°♈58'36	4.30493 AU
	-7179 Dec 20 j 21:33	30°℞♓	
direct	-7178 Jan 16 j 01:33	28°♓56'13	
asc. node	-7178 Jan 21 j 06:39	28°♓58'46	
	-7178 Feb 11 j 14:17	0°♈	
evening set	-7178 May 24 j 11:51	17°♈13'23	
conjunction	-7178 Jun 06 j 19:49	20°♈09'50	0°17'15
minimum elong	-7178 Jun 06 j 19:47	20°♈09'49	0°17'22
max. Earth dist.	-7178 Jun 06 j 00:08	19°♈58'58	6.33522 AU
morning rise	-7178 Jun 20 j 00:34	23°♈04'35	
	-7178 Jul 22 j 18:15	0°♉	
retrograde	-7178 Oct 18 j 16:39	10°♉19'41	
opposition	-7178 Dec 17 j 13:12	5°♉25'57	0°59'05
min. Earth dist.	-7178 Dec 18 j 07:41	5°♉19'56	4.35507 AU
direct	-7177 Feb 17 j 18:21	0°♉22'41	
	-7177 Jun 09 j 18:56	15°♉	
evening set	-7177 Jun 25 j 19:00	18°♉27'41	
max. Earth dist.	-7177 Jul 07 j 09:05	21°♉01'04	6.36218 AU
conjunction	-7177 Jul 08 j 17:20	21°♉18'56	1°01'35
minimum elong	-7177 Jul 08 j 17:16	21°♉18'54	1°01'55
morning rise	-7177 Jul 21 j 12:09	24°♉08'32	
	-7177 Aug 17 j 22:10	0°♊	
retrograde	-7177 Nov 19 j 01:04	11°♊18'52	
opposition	-7176 Jan 18 j 12:08	6°♊27'06	1°53'03
min. Earth dist.	-7176 Jan 19 j 13:08	6°♊19'06	4.35854 AU
direct	-7176 Mar 21 j 01:17	1°♊26'03	
evening set	-7176 Jul 26 j 05:16	19°♊27'56	
max. Earth dist.	-7176 Aug 06 j 05:49	21°♊55'29	6.34057 AU
conjunction	-7176 Aug 07 j 19:08	22°♊16'22	1°28'08
minimum elong	-7176 Aug 07 j 19:05	22°♊16'21	1°28'36
morning rise	-7176 Aug 20 j 06:47	25°♊03'46	
	-7176 Sep 11 j 23:30	0°♋	
retrograde	-7176 Dec 20 j 08:26	12°♋33'03	
opposition	-7175 Feb 19 j 06:32	7°♋41'25	2°15'04
min. Earth dist.	-7175 Feb 20 j 08:46	7°♋33'06	4.31423 AU
direct	-7175 Apr 22 j 13:55	2°♋43'15	
evening set	-7175 Aug 26 j 10:04	20°♋50'37	
conjunction	-7175 Sep 07 j 20:34	23°♋40'02	1°29'17
minimum elong	-7175 Sep 07 j 20:36	23°♋40'03	1°29'45
max. Earth dist.	-7175 Sep 06 j 13:32	23°♋22'23	6.27651 AU
morning rise	-7175 Sep 20 j 06:23	26°♋29'17	
	-7175 Oct 05 j 23:59	0°♌	
retrograde	-7174 Jan 22 j 22:26	14°♌36'30	
opposition	-7174 Mar 25 j 05:19	9°♌43'05	1°57'09
min. Earth dist.	-7174 Mar 25 j 22:26	9°♌37'38	4.23463 AU
direct	-7174 May 25 j 14:06	4°♌47'51	
	-7174 Aug 21 j 01:55	15°♌	
evening set	-7174 Sep 27 j 03:34	23°♌07'27	
conjunction	-7174 Oct 09 j 16:35	26°♌01'35	1°03'07
minimum elong	-7174 Oct 09 j 16:39	26°♌01'37	1°03'26
max. Earth dist.	-7174 Oct 09 j 01:38	25°♌52'54	6.18873 AU
morning rise	-7174 Oct 22 j 06:43	28°♌56'29	
	-7174 Oct 26 j 21:23	0°♍	
retrograde	-7173 Feb 27 j 03:39	17°♍51'54	
opposition	-7173 Apr 29 j 09:32	12°♍55'08	1°00'47
min. Earth dist.	-7173 Apr 29 j 13:21	12°♍53'54	4.14402 AU
direct	-7173 Jun 28 j 13:33	8°♍01'53	
evening set	-7173 Oct 30 j 03:29	26°♍38'15	
conjunction	-7173 Nov 11 j 23:31	29°♍39'07	0°15'34
minimum elong	-7173 Nov 11 j 23:32	29°♍39'08	0°15'38
behind sun begin	-7173 Nov 11 j 21:20	29°♍37'51	
behind sun end	-7173 Nov 12 j 01:45	29°♍40'25	
max. Earth dist.	-7173 Nov 12 j 05:24	29°♍42'34	6.10417 AU
	-7173 Nov 13 j 11:01	0°♎	
morning rise	-7173 Nov 24 j 22:21	2°♎41'34	
desc. node	-7172 Mar 04 j 22:14	21°♎00'59	
retrograde	-7172 Apr 03 j 11:29	22°♎21'40	
opposition	-7172 Jun 03 j 09:23	17°♎20'55	-0°18'46
min. Earth dist.	-7172 Jun 02 j 20:41	17°♎25'06	4.07239 AU
direct	-7172 Aug 01 j 06:57	12°♎27'55	
	-7172 Nov 27 j 00:34	0°♏	
evening set	-7172 Dec 02 j 20:54	1°♏22'08	
conjunction	-7172 Dec 16 j 01:14	4°♏28'54	-0°38'36
minimum elong	-7172 Dec 16 j 01:10	4°♏28'51	0°38'50
max. Earth dist.	-7172 Dec 17 j 04:03	4°♏44'46	6.05179 AU
morning rise	-7172 Dec 29 j 08:59	7°♏37'31	
	-7171 Jan 30 j 22:40	15°♏	
retrograde	-7171 May 10 j 05:04	27°♏42'22	
opposition	-7171 Jul 09 j 12:17	22°♏38'19	-1°33'15
min. Earth dist.	-7171 Jul 08 j 13:21	22°♏46'02	4.04526 AU
direct	-7171 Sep 05 j 16:52	17°♏43'32	
	-7171 Dec 09 j 00:09	0°♐	
evening set	-7170 Jan 08 j 03:29	6°♐50'03	
conjunction	-7170 Jan 21 j 14:56	9°♐59'46	-1°19'11

Attention, astronomical year style is used: The year -7170 in astronomical counting style is the year 7171 BCE in historical counting style.

minimum elong	-7170 Jan 21 j 14:52	9°♐59'44	1°19'38	
max. Earth dist.	-7170 Jan 23 j 06:49	10°♐23'12	6.05116 AU	
morning rise	-7170 Feb 04 j 05:17	13°♐10'58		
	-7170 May 01 j 02:35	0°♑		
retrograde	-7170 Jun 15 j 06:36	3°♑07'50		
	-7170 Jul 30 j 05:43	30°℞♐		
opposition	-7170 Aug 13 j 22:52	28°♐02'42	-2°13'06	
min. Earth dist.	-7170 Aug 12 j 21:27	28°♐11'21	4.07275 AU	
direct	-7170 Oct 11 j 03:31	23°♐04'44		
	-7170 Dec 18 j 09:59	0°♑		
evening set	-7169 Feb 14 j 02:08	12°♑11'26		
conjunction	-7169 Feb 27 j 18:17	15°♑20'49	-1°30'28	
minimum elong	-7169 Feb 27 j 18:18	15°♑20'50	1°30'57	
max. Earth dist.	-7169 Mar 01 j 06:08	15°♑41'32	6.10302 AU	
morning rise	-7169 Mar 13 j 12:05	18°♑30'49		
	-7169 May 06 j 15:33	0°♒		
retrograde	-7169 Jul 19 j 21:35	7°♒48'58		
min. Earth dist.	-7169 Sep 16 j 09:50	2°♒51'37	4.14376 AU	
opposition	-7169 Sep 17 j 04:27	2°♒45'15	-2°04'12	
	-7169 Oct 08 j 14:39	30°℞♑		
direct	-7169 Nov 15 j 04:13	27°♑43'54		
	-7169 Dec 23 j 01:51	0°♒		
	-7168 Mar 14 j 05:17	15°♒		
evening set	-7168 Mar 21 j 11:52	16°♒37'47		
conjunction	-7168 Apr 04 j 05:49	19°♒44'18	-1°09'35	
minimum elong	-7168 Apr 04 j 05:53	19°♒44'21	1°09'56	
max. Earth dist.	-7168 Apr 05 j 03:05	19°♒56'21	6.18766 AU	
morning rise	-7168 Apr 17 j 22:56	22°♒50'17		
	-7168 May 21 j 00:04	0°♓		
retrograde	-7168 Aug 20 j 23:40	11°♓16'00		
opposition	-7168 Oct 19 j 04:01	6°♓15'38	-1°13'50	
min. Earth dist.	-7168 Oct 18 j 21:37	6°♓17'48	4.23304 AU	
direct	-7168 Dec 18 j 07:49	1°♓12'08		
evening set	-7167 Apr 25 j 13:16	19°♓46'16		
conjunction	-7167 May 09 j 03:55	22°♓47'55	-0°26'18	
minimum elong	-7167 May 09 j 03:58	22°♓47'56	0°26'25	
max. Earth dist.	-7167 May 09 j 01:54	22°♓46'47	6.27541 AU	
morning rise	-7167 May 22 j 16:12	25°♓48'11		
	-7167 Jun 10 j 23:23	0°♈		
retrograde	-7167 Sep 21 j 18:54	13°♈28'13		
opposition	-7167 Nov 20 j 05:47	8°♈31'39	-0°02'17	
min. Earth dist.	-7167 Nov 20 j 13:26	8°♈29'07	4.31138 AU	
asc. node	-7167 Dec 02 j 05:53	6°♈57'49		
direct	-7166 Jan 20 j 15:05	3°♈27'34		
evening set	-7166 May 29 j 01:25	21°♈43'42		
max. Earth dist.	-7166 Jun 10 j 11:41	24°♈28'07	6.33875 AU	
conjunction	-7166 Jun 11 j 08:20	24°♈39'32	0°24'03	
minimum elong	-7166 Jun 11 j 08:18	24°♈39'31	0°24'12	
morning rise	-7166 Jun 24 j 11:37	27°♈33'36		
	-7166 Jul 05 j 16:32	0°♉		
retrograde	-7166 Oct 23 j 01:12	14°♉47'36		
opposition	-7166 Dec 21 j 23:46	9°♉54'16	1°08'02	
min. Earth dist.	-7166 Dec 22 j 18:46	9°♉48'06	4.35573 AU	
direct	-7165 Feb 22 j 05:42	4°♉51'20		
	-7165 May 23 j 07:32	15°♉		
evening set	-7165 Jun 30 j 06:03	22°♉56'20		
max. Earth dist.	-7165 Jul 11 j 16:26	25°♉27'58	6.35980 AU	
conjunction	-7165 Jul 13 j 02:57	25°♉47'06	1°06'34	
minimum elong	-7165 Jul 13 j 02:52	25°♉47'04	1°06'57	
morning rise	-7165 Jul 25 j 20:45	28°♉36'20		
	-7165 Aug 01 j 05:17	0°♊		
retrograde	-7165 Nov 23 j 13:57	15°♊48'39		

opposition	-7164 Jan 23 j 01:35	10°♊57'00	1°58'18	
min. Earth dist.	-7164 Jan 24 j 03:36	10°♊48'41	4.35354 AU	
direct	-7164 Mar 25 j 15:29	5°♊56'20		
evening set	-7164 Jul 30 j 14:50	23°♊58'54		
max. Earth dist.	-7164 Aug 10 j 16:15	26°♊27'13	6.33325 AU	
conjunction	-7164 Aug 12 j 04:04	26°♊47'18	1°29'54	
minimum elong	-7164 Aug 12 j 04:02	26°♊47'17	1°30'22	
morning rise	-7164 Aug 24 j 15:01	29°♊34'43		
	-7164 Aug 26 j 12:26	0°♋		
retrograde	-7164 Dec 24 j 22:44	17°♋08'21		
opposition	-7163 Feb 23 j 23:41	12°♋16'32	2°15'00	
min. Earth dist.	-7163 Feb 24 j 23:54	12°♋08'51	4.30521 AU	
direct	-7163 Apr 27 j 03:51	7°♋18'50		
evening set	-7163 Aug 30 j 20:22	25°♋27'11		
max. Earth dist.	-7163 Sep 11 j 01:46	28°♋00'27	6.26646 AU	
conjunction	-7163 Sep 12 j 06:45	28°♋16'59	1°27'11	
minimum elong	-7163 Sep 12 j 06:47	28°♋17'01	1°27'38	
	-7163 Sep 19 j 19:21	0°♌		
morning rise	-7163 Sep 24 j 16:48	1°♌06'45		
	-7163 Dec 03 j 23:48	15°♌		
retrograde	-7162 Jan 27 j 19:31	19°♌19'41		
	-7162 Mar 25 j 14:48	15°℞♌		
opposition	-7162 Mar 30 j 02:19	14°♌25'51	1°51'19	
min. Earth dist.	-7162 Mar 30 j 18:30	14°♌20'41	4.22393 AU	
direct	-7162 May 30 j 08:57	9°♌30'54		
	-7162 Jul 31 j 02:01	15°♌		
evening set	-7162 Oct 01 j 16:27	27°♌51'48		
	-7162 Oct 10 j 21:51	0°♍		
conjunction	-7162 Oct 14 j 06:14	0°♍46'42	0°57'29	
minimum elong	-7162 Oct 14 j 06:18	0°♍46'44	0°57'46	
max. Earth dist.	-7162 Oct 13 j 17:52	0°♍39'30	6.17833 AU	
morning rise	-7162 Oct 26 j 21:24	3°♍42'29		
retrograde	-7161 Mar 04 j 02:41	22°♍43'38		
opposition	-7161 May 04 j 09:02	17°♍46'19	0°50'31	
min. Earth dist.	-7161 May 04 j 09:50	17°♍46'03	4.13464 AU	
direct	-7161 Jul 03 j 07:57	12°♍53'11		
	-7161 Oct 28 j 08:09	0°♎		
evening set	-7161 Nov 03 j 20:55	1°♎31'12		
conjunction	-7161 Nov 16 j 18:01	4°♎32'52	0°08'01	
minimum elong	-7161 Nov 16 j 18:02	4°♎32'52	0°08'02	
behind sun begin	-7161 Nov 16 j 10:48	4°♎28'38		
behind sun end	-7161 Nov 17 j 01:16	4°♎37'07		
max. Earth dist.	-7161 Nov 17 j 02:52	4°♎38'04	6.09658 AU	
morning rise	-7161 Nov 29 j 18:03	7°♎36'11		
desc. node	-7160 Jan 14 j 02:26	17°♎34'53		
retrograde	-7160 Apr 08 j 14:07	27°♎20'30		
opposition	-7160 Jun 08 j 09:54	22°♎19'10	-0°30'08	
min. Earth dist.	-7160 Jun 07 j 20:06	22°♎23'44	4.06719 AU	
direct	-7160 Aug 06 j 05:12	17°♎25'59		
	-7160 Nov 09 j 23:00	0°♏		
evening set	-7160 Dec 07 j 19:24	6°♏21'46		
conjunction	-7160 Dec 21 j 00:48	9°♏29'05	-0°45'28	
minimum elong	-7160 Dec 21 j 00:44	9°♏29'02	0°45'44	
max. Earth dist.	-7160 Dec 22 j 06:22	9°♏46'33	6.04941 AU	
morning rise	-7159 Jan 03 j 09:36	12°♏38'13		
	-7159 Jan 13 j 13:16	15°♏		
	-7159 Apr 02 j 23:18	0°♐		
retrograde	-7159 May 15 j 06:06	2°♐43'38		
	-7159 Jun 26 j 08:54	30°℞♏		
min. Earth dist.	-7159 Jul 13 j 11:22	27°♏47'20	4.04630 AU	
opposition	-7159 Jul 14 j 11:09	27°♏39'20	-1°41'21	
direct	-7159 Sep 10 j 14:05	22°♏44'10		

Attention, astronomical year style is used: The year -7159 in astronomical counting style is the year 7160 BCE in historical counting style.

	-7159 Nov 19 j 04:57	0°♐	
evening set	-7158 Jan 13 j 05:45	11°♐51'25	
conjunction	-7158 Jan 26 j 17:51	15°♐01'15	-1°22'42
minimum elong	-7158 Jan 26 j 17:47	15°♐01'12	1°23'09
max. Earth dist.	-7158 Jan 28 j 08:27	15°♐23'53	6.05517 AU
morning rise	-7158 Feb 09 j 08:56	18°♐12'29	
	-7158 Apr 05 j 04:43	0°♑	
retrograde	-7158 Jun 20 j 03:20	8°♑05'49	
opposition	-7158 Aug 18 j 18:18	3°♑00'40	-2°14'48
min. Earth dist.	-7158 Aug 17 j 17:29	3°♑09'09	4.07937 AU
	-7158 Sep 11 j 13:01	30°℞♐	
direct	-7158 Oct 16 j 00:58	28°♐02'09	
	-7158 Nov 19 j 17:01	0°♑	
evening set	-7157 Feb 19 j 04:21	17°♑08'14	
conjunction	-7157 Mar 04 j 21:10	20°♑17'29	-1°29'22
minimum elong	-7157 Mar 04 j 21:12	20°♑17'30	1°29'50
max. Earth dist.	-7157 Mar 06 j 08:33	20°♑37'52	6.11175 AU
morning rise	-7157 Mar 18 j 15:00	23°♑27'07	
	-7157 Apr 17 j 03:25	0°♒	
retrograde	-7157 Jul 24 j 15:13	12°♒39'04	
opposition	-7157 Sep 21 j 20:17	7°♒35'43	-1°59'18
min. Earth dist.	-7157 Sep 21 j 03:28	7°♒41'28	4.15355 AU
direct	-7157 Nov 19 j 23:01	2°♒34'00	
	-7156 Feb 25 j 23:27	15°♒	
evening set	-7156 Mar 26 j 11:16	21°♒26'09	
conjunction	-7156 Apr 09 j 05:00	24°♒32'12	-1°04'33
minimum elong	-7156 Apr 09 j 05:05	24°♒32'15	1°04'52
max. Earth dist.	-7156 Apr 09 j 22:12	24°♒41'55	6.19769 AU
morning rise	-7156 Apr 22 j 21:55	27°♒37'38	
	-7156 May 03 j 13:49	0°♓	
retrograde	-7156 Aug 25 j 11:22	15°♓57'14	
opposition	-7156 Oct 23 j 16:53	10°♓57'20	-1°04'33
min. Earth dist.	-7156 Oct 23 j 12:12	10°♓58'55	4.24235 AU
direct	-7156 Dec 23 j 00:32	5°♓53'37	
evening set	-7155 Apr 30 j 08:31	24°♓26'02	
conjunction	-7155 May 13 j 22:27	27°♓27'02	-0°19'17
minimum elong	-7155 May 13 j 22:29	27°♓27'03	0°19'21
max. Earth dist.	-7155 May 13 j 18:28	27°♓24'49	6.28357 AU
	-7155 May 25 j 09:36	0°♈	
morning rise	-7155 May 27 j 09:36	0°♈26'33	
retrograde	-7155 Sep 26 j 05:45	18°♈02'26	
asc. node	-7155 Oct 12 j 05:50	17°♈37'09	
opposition	-7155 Nov 24 j 17:28	13°♈06'26	0°08'13
min. Earth dist.	-7155 Nov 25 j 02:45	13°♈03'22	4.31778 AU
direct	-7154 Jan 25 j 05:57	8°♈02'30	
evening set	-7154 Jun 02 j 16:38	26°♈17'19	
conjunction	-7154 Jun 15 j 22:08	29°♈12'26	0°30'50
minimum elong	-7154 Jun 15 j 22:05	29°♈12'24	0°31'01
max. Earth dist.	-7154 Jun 14 j 22:26	28°♈59'20	6.34295 AU
	-7154 Jun 19 j 12:09	0°♉	
morning rise	-7154 Jun 29 j 00:13	2°♉05'48	
	-7154 Sep 03 j 15:08	15°♉	
retrograde	-7154 Oct 27 j 12:10	19°♉18'29	
	-7154 Dec 22 j 01:33	15°℞♉	
opposition	-7154 Dec 26 j 12:19	14°♉25'29	1°16'44
min. Earth dist.	-7154 Dec 27 j 08:28	14°♉18'57	4.35783 AU
direct	-7153 Feb 26 j 20:30	9°♉22'50	
	-7153 May 02 j 09:54	15°♉	
evening set	-7153 Jul 04 j 17:45	27°♉26'59	
max. Earth dist.	-7153 Jul 16 j 04:09	29°♉58'44	6.35971 AU
	-7153 Jul 16 j 06:26	0°♊	

conjunction	-7153 Jul 17 j 13:28	0°♊17'13	1°11'14
minimum elong	-7153 Jul 17 j 13:24	0°♊17'11	1°11'37
morning rise	-7153 Jul 30 j 05:52	3°♊05'55	
retrograde	-7153 Nov 28 j 01:13	20°♊19'28	
opposition	-7152 Jan 27 j 15:58	15°♊27'56	2°02'52
min. Earth dist.	-7152 Jan 28 j 17:20	15°♊19'51	4.35148 AU
direct	-7152 Mar 30 j 05:23	10°♊27'45	
evening set	-7152 Aug 04 j 00:41	28°♊29'46	
	-7152 Aug 10 j 18:07	0°♋	
max. Earth dist.	-7152 Aug 15 j 01:01	0°♋57'46	6.32925 AU
conjunction	-7152 Aug 16 j 12:56	1°♋17'56	1°31'09
minimum elong	-7152 Aug 16 j 12:55	1°♋17'56	1°31'37
morning rise	-7152 Aug 28 j 23:28	4°♋05'18	
retrograde	-7152 Dec 29 j 14:44	21°♋42'14	
opposition	-7151 Feb 28 j 16:40	16°♋50'15	2°14'03
min. Earth dist.	-7151 Mar 01 j 16:36	16°♋42'39	4.29942 AU
direct	-7151 May 01 j 20:03	11°♋52'55	
evening set	-7151 Sep 04 j 05:45	0°♌01'13	
	-7151 Sep 04 j 03:36	0°♌	
conjunction	-7151 Sep 16 j 16:20	2°♌51'21	1°24'32
minimum elong	-7151 Sep 16 j 16:23	2°♌51'23	1°24'58
max. Earth dist.	-7151 Sep 15 j 14:00	2°♌36'19	6.25942 AU
morning rise	-7151 Sep 29 j 02:36	5°♌41'32	
	-7151 Nov 11 j 15:11	15°♌	
retrograde	-7150 Feb 01 j 13:15	23°♌59'10	
opposition	-7150 Apr 03 j 21:49	19°♌04'57	1°44'47
min. Earth dist.	-7150 Apr 04 j 11:45	19°♌00'31	4.21597 AU
	-7150 May 11 j 21:27	15°℞♌	
direct	-7150 Jun 04 j 00:19	14°♌10'22	
	-7150 Jun 27 j 01:09	15°♌	
	-7150 Sep 25 j 02:20	0°♍	
evening set	-7150 Oct 06 j 03:55	2°♍31'53	
conjunction	-7150 Oct 18 j 18:21	5°♍27'26	0°51'33
minimum elong	-7150 Oct 18 j 18:24	5°♍27'29	0°51'48
max. Earth dist.	-7150 Oct 18 j 07:56	5°♍21'23	6.17014 AU
morning rise	-7150 Oct 31 j 10:32	8°♍24'03	
retrograde	-7149 Mar 09 j 01:33	27°♍30'26	
opposition	-7149 May 09 j 06:33	22°♍32'34	0°40'03
min. Earth dist.	-7149 May 09 j 06:05	22°♍32'43	4.12654 AU
direct	-7149 Jul 08 j 02:12	17°♍39'31	
	-7149 Oct 11 j 17:09	0°♎	
evening set	-7149 Nov 08 j 12:38	6°♎19'09	
conjunction	-7149 Nov 21 j 10:55	9°♎21'37	0°00'29
minimum elong	-7149 Nov 21 j 10:55	9°♎21'37	0°00'27
behind sun begin	-7149 Nov 21 j 02:48	9°♎16'52	
behind sun end	-7149 Nov 21 j 19:01	9°♎26'22	
max. Earth dist.	-7149 Nov 21 j 22:43	9°♎28'33	6.08946 AU
desc. node	-7149 Nov 24 j 20:59	10°♎09'59	
morning rise	-7149 Dec 04 j 12:08	12°♎25'47	
	-7148 Mar 06 j 04:21	0°♏	
retrograde	-7148 Apr 13 j 13:40	2°♏14'04	
	-7148 May 21 j 21:25	30°℞♎	
opposition	-7148 Jun 13 j 07:47	27°♎12'20	-0°41'05
min. Earth dist.	-7148 Jun 12 j 16:43	27°♎17'19	4.06185 AU
direct	-7148 Aug 10 j 23:30	22°♎19'02	
	-7148 Oct 21 j 22:11	0°♏	
evening set	-7148 Dec 12 j 16:39	11°♏17'03	
conjunction	-7148 Dec 25 j 22:58	14°♏24'55	-0°51'54
minimum elong	-7148 Dec 25 j 22:53	14°♏24'52	0°52'11
max. Earth dist.	-7148 Dec 27 j 04:36	14°♏42'26	6.04613 AU
	-7148 Dec 28 j 10:19	15°♏	
morning rise	-7147 Jan 08 j 08:53	17°♏34'39	

Attention, astronomical year style is used: The year -7147 in astronomical counting style is the year 7148 BCE in historical counting style.

	-7147 Mar 07 j 03:03	0°♐	
retrograde	-7147 May 20 j 04:48	7°♐41'09	
min. Earth dist.	-7147 Jul 18 j 07:38	2°♐44'51	4.04558 AU
opposition	-7147 Jul 19 j 07:59	2°♐36'37	-1°48'34
	-7147 Aug 08 j 17:45	30°℞♏	
direct	-7147 Sep 15 j 10:25	27°♏41'03	
	-7147 Oct 22 j 23:17	0°♐	
evening set	-7146 Jan 18 j 06:46	16°♐50'04	
conjunction	-7146 Jan 31 j 19:52	20°♐00'11	-1°25'33
minimum elong	-7146 Jan 31 j 19:49	20°♐00'10	1°26'00
max. Earth dist.	-7146 Feb 02 j 11:47	20°♐23'34	6.05715 AU
morning rise	-7146 Feb 14 j 11:28	23°♐11'34	
	-7146 Mar 16 j 17:01	0°♑	
retrograde	-7146 Jun 25 j 01:10	13°♑02'11	
opposition	-7146 Aug 23 j 12:55	7°♑57'12	-2°15'29
min. Earth dist.	-7146 Aug 22 j 13:20	8°♑05'16	4.08396 AU
direct	-7146 Oct 20 j 21:02	2°♑58'16	
evening set	-7145 Feb 24 j 06:20	22°♑04'34	
conjunction	-7145 Mar 09 j 23:30	25°♑13'42	-1°27'35
minimum elong	-7145 Mar 09 j 23:33	25°♑13'44	1°28'02
max. Earth dist.	-7145 Mar 11 j 08:16	25°♑32'34	6.11856 AU
morning rise	-7145 Mar 23 j 17:41	28°♑23'10	
	-7145 Mar 30 j 20:12	0°♒	
	-7145 Jun 19 j 12:16	15°♒	
retrograde	-7145 Jul 29 j 06:24	17°♒29'33	
	-7145 Sep 06 j 19:13	15°℞♒	
opposition	-7145 Sep 26 j 11:45	12°♒26'35	-1°53'32
min. Earth dist.	-7145 Sep 25 j 19:35	12°♒32'06	4.16197 AU
direct	-7145 Nov 24 j 17:02	7°♒24'30	
	-7144 Feb 06 j 06:52	15°♒	
evening set	-7144 Mar 31 j 10:41	26°♒15'21	
conjunction	-7144 Apr 14 j 04:19	29°♒20'58	-0°59'03
minimum elong	-7144 Apr 14 j 04:24	29°♒21'01	0°59'20
max. Earth dist.	-7144 Apr 14 j 19:21	29°♒29'27	6.20741 AU
	-7144 Apr 17 j 01:28	0°♓	
morning rise	-7144 Apr 27 j 20:43	2°♓25'48	
retrograde	-7144 Aug 30 j 00:57	20°♓39'18	
opposition	-7144 Oct 28 j 05:59	15°♓39'55	-0°54'49
min. Earth dist.	-7144 Oct 28 j 03:25	15°♓40'47	4.25226 AU
direct	-7144 Dec 27 j 18:13	10°♓36'05	
evening set	-7143 May 05 j 03:17	29°♓06'10	
	-7143 May 09 j 04:39	0°♈	
conjunction	-7143 May 18 j 16:19	2°♈06'25	-0°12'08
minimum elong	-7143 May 18 j 16:20	2°♈06'26	0°12'10
behind sun begin	-7143 May 18 j 10:53	2°♈03'25	
behind sun end	-7143 May 18 j 21:47	2°♈09'27	
max. Earth dist.	-7143 May 18 j 09:41	2°♈02'45	6.29290 AU
morning rise	-7143 Jun 01 j 02:26	5°♈05'07	
asc. node	-7143 Aug 21 j 20:53	20°♈08'43	
retrograde	-7143 Sep 30 j 14:55	22°♈36'29	
opposition	-7143 Nov 29 j 05:06	17°♈40'51	0°18'38
min. Earth dist.	-7143 Nov 29 j 15:19	17°♈37'29	4.32579 AU
direct	-7142 Jan 29 j 20:50	12°♈36'56	
	-7142 Jun 03 j 11:56	0°♉	
evening set	-7142 Jun 07 j 06:32	0°♉49'31	
max. Earth dist.	-7142 Jun 19 j 10:02	3°♉30'11	6.34885 AU
conjunction	-7142 Jun 20 j 10:39	3°♉43'47	0°37'24
minimum elong	-7142 Jun 20 j 10:36	3°♉43'46	0°37'38
morning rise	-7142 Jul 03 j 11:14	6°♉36'18	
	-7142 Aug 12 j 18:23	15°♉	
retrograde	-7142 Oct 31 j 21:31	23°♉47'11	
opposition	-7142 Dec 30 j 23:55	18°♉54'27	1°24'55

min. Earth dist.	-7142 Dec 31 j 21:16	18°♉47'34	4.36107 AU
	-7141 Feb 03 j 20:12	15°℞♉	
direct	-7141 Mar 03 j 10:31	13°♉52'03	
	-7141 Mar 31 j 04:39	15°♉	
	-7141 Jun 30 j 09:55	0°♊	
evening set	-7141 Jul 09 j 03:55	1°♊54'47	
max. Earth dist.	-7141 Jul 20 j 10:55	4°♊24'49	6.35954 AU
conjunction	-7141 Jul 21 j 22:16	4°♊44'27	1°15'27
minimum elong	-7141 Jul 21 j 22:12	4°♊44'24	1°15'51
morning rise	-7141 Aug 03 j 13:41	7°♊32'41	
retrograde	-7141 Dec 02 j 12:45	24°♊47'41	
opposition	-7140 Feb 01 j 05:22	19°♊56'07	2°06'43
min. Earth dist.	-7140 Feb 02 j 07:08	19°♊47'55	4.34796 AU
direct	-7140 Apr 03 j 18:37	14°♊56'12	
	-7140 Jul 25 j 21:38	0°♋	
evening set	-7140 Aug 08 j 08:57	2°♋58'11	
max. Earth dist.	-7140 Aug 19 j 10:36	5°♋27'09	6.32248 AU
conjunction	-7140 Aug 20 j 20:45	5°♋46'22	1°31'52
minimum elong	-7140 Aug 20 j 20:44	5°♋46'21	1°32'22
morning rise	-7140 Sep 02 j 06:42	8°♋33'48	
retrograde	-7139 Jan 03 j 05:31	26°♋15'10	
opposition	-7139 Mar 05 j 09:26	21°♋22'58	2°12'23
min. Earth dist.	-7139 Mar 06 j 08:27	21°♋15'41	4.28974 AU
direct	-7139 May 06 j 09:59	16°♋26'02	
	-7139 Aug 18 j 23:38	0°♌	
evening set	-7139 Sep 08 j 15:12	4°♌35'37	
max. Earth dist.	-7139 Sep 19 j 23:53	7°♌11'25	6.24756 AU
conjunction	-7139 Sep 21 j 01:50	7°♌26'17	1°21'25
minimum elong	-7139 Sep 21 j 01:53	7°♌26'19	1°21'49
morning rise	-7139 Oct 03 j 12:43	10°♌17'12	
	-7139 Oct 24 j 15:37	15°♌	
retrograde	-7138 Feb 06 j 10:32	28°♌41'30	
opposition	-7138 Apr 08 j 18:41	23°♌46'48	1°37'35
min. Earth dist.	-7138 Apr 09 j 07:10	23°♌42'48	4.20252 AU
direct	-7138 Jun 08 j 17:14	18°♌52'26	
	-7138 Sep 08 j 00:24	0°♍	
evening set	-7138 Oct 10 j 17:19	7°♍16'34	
conjunction	-7138 Oct 23 j 08:50	10°♍13'08	0°45'11
minimum elong	-7138 Oct 23 j 08:54	10°♍13'10	0°45'24
max. Earth dist.	-7138 Oct 23 j 01:55	10°♍09'06	6.15652 AU
morning rise	-7138 Nov 05 j 02:05	13°♍10'50	
	-7137 Feb 01 j 23:51	0°♎	
retrograde	-7137 Mar 14 j 03:20	2°♎24'17	
	-7137 Apr 23 j 11:07	30°℞♍	
opposition	-7137 May 14 j 06:54	27°♍25'54	0°29'04
min. Earth dist.	-7137 May 14 j 04:32	27°♍26'40	4.11386 AU
direct	-7137 Jul 12 j 21:49	22°♍32'57	
	-7137 Sep 22 j 07:30	0°♎	
desc. node	-7137 Oct 04 j 04:13	2°♎19'24	
evening set	-7137 Nov 13 j 08:26	11°♎15'55	
conjunction	-7137 Nov 26 j 07:47	14°♎19'22	-0°07'19
minimum elong	-7137 Nov 26 j 07:46	14°♎19'21	0°07'23
behind sun begin	-7137 Nov 26 j 00:19	14°♎14'59	
behind sun end	-7137 Nov 26 j 15:12	14°♎23'44	
max. Earth dist.	-7137 Nov 26 j 21:09	14°♎27'15	6.07877 AU
morning rise	-7137 Dec 09 j 10:27	17°♎24'36	
	-7136 Feb 06 j 08:20	0°♏	
retrograde	-7136 Apr 18 j 17:17	7°♏18'05	
opposition	-7136 Jun 18 j 09:56	2°♏15'51	-0°52'09
min. Earth dist.	-7136 Jun 17 j 16:43	2°♏21'35	4.05432 AU
	-7136 Jul 06 j 03:58	30°℞♎	
direct	-7136 Aug 15 j 22:31	27°♎22'21	

Attention, astronomical year style is used: The year -7136 in astronomical counting style is the year 7137 BCE in historical counting style.

	-7136 Sep 25 j 03:57	0°♏	
	-7136 Dec 11 j 20:22	15°♏	
evening set	-7136 Dec 17 j 18:45	16°♏23'20	
conjunction	-7136 Dec 31 j 02:18	19°♏31'51	-0°58'11
minimum elong	-7136 Dec 31 j 02:13	19°♏31'48	0°58'32
max. Earth dist.	-7135 Jan 01 j 11:47	19°♏51'39	6.04256 AU
morning rise	-7135 Jan 13 j 13:04	22°♏42'08	
	-7135 Feb 14 j 18:34	0°♐	
retrograde	-7135 May 25 j 09:52	12°♐49'17	
min. Earth dist.	-7135 Jul 23 j 08:46	7°♐52'53	4.04684 AU
opposition	-7135 Jul 24 j 09:15	7°♐44'35	-1°55'16
direct	-7135 Sep 20 j 11:27	2°♐48'41	
evening set	-7134 Jan 23 j 12:42	21°♐58'31	
conjunction	-7134 Feb 06 j 02:23	25°♐08'39	-1°27'52
minimum elong	-7134 Feb 06 j 02:21	25°♐08'38	1°28'20
max. Earth dist.	-7134 Feb 07 j 18:15	25°♐31'57	6.06313 AU
morning rise	-7134 Feb 19 j 18:41	28°♐20'00	
	-7134 Feb 27 j 00:04	0°♑	
retrograde	-7134 Jun 29 j 22:39	18°♑05'33	
min. Earth dist.	-7134 Aug 27 j 09:57	13°♑09'01	4.09452 AU
opposition	-7134 Aug 28 j 10:11	13°♑00'43	-2°15'13
direct	-7134 Oct 25 j 19:35	8°♑01'22	
evening set	-7133 Mar 01 j 10:36	27°♑05'23	
	-7133 Mar 14 j 03:39	0°♒	
conjunction	-7133 Mar 15 j 04:05	0°♒14'01	-1°25'12
minimum elong	-7133 Mar 15 j 04:08	0°♒14'03	1°25'38
max. Earth dist.	-7133 Mar 16 j 11:47	0°♒32'13	6.13303 AU
morning rise	-7133 Mar 28 j 22:09	3°♒22'47	
	-7133 May 23 j 08:01	15°♒	
retrograde	-7133 Aug 02 j 23:24	22°♒20'31	
opposition	-7133 Oct 01 j 04:00	17°♒17'59	-1°47'00
min. Earth dist.	-7133 Sep 30 j 13:57	17°♒22'46	4.17873 AU
	-7133 Oct 18 j 17:58	15°℞♒	
direct	-7133 Nov 29 j 14:42	12°♒15'36	
	-7132 Jan 10 j 20:02	15°♒	
	-7132 Mar 31 j 17:59	0°♓	
evening set	-7132 Apr 05 j 09:00	1°♓01'49	
conjunction	-7132 Apr 19 j 02:15	4°♓06'31	-0°53'15
minimum elong	-7132 Apr 19 j 02:20	4°♓06'34	0°53'30
max. Earth dist.	-7132 Apr 19 j 15:12	4°♓13'48	6.22518 AU
morning rise	-7132 May 02 j 17:55	7°♓10'18	
retrograde	-7132 Sep 03 j 09:22	25°♓15'08	
opposition	-7132 Nov 01 j 16:59	20°♓16'17	-0°44'59
min. Earth dist.	-7132 Nov 01 j 15:26	20°♓16'48	4.26941 AU
direct	-7131 Jan 01 j 09:16	15°♓12'20	
	-7131 Apr 23 j 01:06	0°♈	
evening set	-7131 May 09 j 18:35	3°♈37'43	
conjunction	-7131 May 23 j 06:25	6°♈36'51	-0°05'11
minimum elong	-7131 May 23 j 06:24	6°♈36'51	0°05'11
behind sun begin	-7131 May 22 j 22:27	6°♈32'28	
behind sun end	-7131 May 23 j 14:22	6°♈41'15	
max. Earth dist.	-7131 May 22 j 20:15	6°♈31'14	6.30811 AU
morning rise	-7131 Jun 05 j 15:17	9°♈34'24	
asc. node	-7131 Jul 02 j 17:19	15°♈22'21	
retrograde	-7131 Oct 04 j 21:40	26°♈59'54	
opposition	-7131 Dec 03 j 12:53	22°♈04'47	0°28'30
min. Earth dist.	-7131 Dec 04 j 02:01	22°♈00'29	4.33779 AU
direct	-7130 Feb 03 j 09:33	17°♈00'58	
	-7130 May 18 j 10:40	0°♉	
evening set	-7130 Jun 11 j 15:33	5°♉10'16	
conjunction	-7130 Jun 24 j 18:20	8°♉03'40	0°43'29
minimum elong	-7130 Jun 24 j 18:16	8°♉03'38	0°43'44
max. Earth dist.	-7130 Jun 23 j 14:52	7°♉48'30	6.35644 AU
morning rise	-7130 Jul 07 j 17:32	10°♉55'19	
	-7130 Jul 26 j 15:05	15°♉	
retrograde	-7130 Nov 05 j 02:02	28°♉04'30	
opposition	-7129 Jan 04 j 07:08	23°♉12'02	1°32'15
min. Earth dist.	-7129 Jan 05 j 05:38	23°♉04'47	4.36394 AU
direct	-7129 Mar 07 j 18:38	18°♉09'51	
	-7129 Jun 14 j 07:44	0°♊	
evening set	-7129 Jul 13 j 09:12	6°♊11'42	
max. Earth dist.	-7129 Jul 24 j 14:25	8°♊40'54	6.35727 AU
conjunction	-7129 Jul 26 j 02:25	9°♊00'56	1°19'03
minimum elong	-7129 Jul 26 j 02:22	9°♊00'54	1°19'28
morning rise	-7129 Aug 07 j 16:45	11°♊48'49	
retrograde	-7129 Dec 06 j 21:10	29°♊06'29	
opposition	-7128 Feb 05 j 15:01	24°♊15'02	2°09'44
min. Earth dist.	-7128 Feb 06 j 18:01	24°♊06'27	4.34069 AU
direct	-7128 Apr 08 j 03:43	19°♊15'29	
	-7128 Jul 09 j 10:23	0°♋	
evening set	-7128 Aug 12 j 13:57	7°♋18'59	
max. Earth dist.	-7128 Aug 23 j 13:30	9°♋47'16	6.31057 AU
conjunction	-7128 Aug 25 j 01:13	10°♋07'26	1°32'03
minimum elong	-7128 Aug 25 j 01:13	10°♋07'26	1°32'32
morning rise	-7128 Sep 06 j 11:08	12°♋55'17	
	-7128 Dec 17 j 05:14	0°♌	
retrograde	-7127 Jan 07 j 19:50	0°♌43'09	
	-7127 Jan 29 j 11:56	30°℞♋	
opposition	-7127 Mar 09 j 23:47	25°♋50'43	2°10'01
min. Earth dist.	-7127 Mar 10 j 22:04	25°♋43'39	4.27399 AU
direct	-7127 May 10 j 20:27	20°♋54'07	
	-7127 Aug 01 j 11:18	0°♌	
evening set	-7127 Sep 12 j 23:14	9°♌07'24	
max. Earth dist.	-7127 Sep 24 j 11:22	11°♌45'44	6.22944 AU
conjunction	-7127 Sep 25 j 10:30	11°♌59'02	1°17'49
minimum elong	-7127 Sep 25 j 10:33	11°♌59'04	1°18'12
morning rise	-7127 Oct 07 j 21:56	14°♌50'59	
	-7127 Oct 08 j 13:42	15°♌	
	-7127 Dec 25 j 02:25	0°♍	
retrograde	-7126 Feb 11 j 08:25	3°♍24'11	
	-7126 Apr 01 j 14:08	30°℞♌	
opposition	-7126 Apr 13 j 15:14	28°♌29'06	1°29'47
min. Earth dist.	-7126 Apr 14 j 02:19	28°♌25'33	4.18328 AU
direct	-7126 Jun 13 j 08:45	23°♌35'04	
	-7126 Aug 19 j 01:31	0°♍	
evening set	-7126 Oct 15 j 07:41	12°♍03'59	
conjunction	-7126 Oct 28 j 00:09	15°♍01'49	0°38'29
minimum elong	-7126 Oct 28 j 00:12	15°♍01'51	0°38'39
max. Earth dist.	-7126 Oct 27 j 18:54	14°♍58'45	6.13793 AU
morning rise	-7126 Nov 09 j 18:54	18°♍00'57	
	-7125 Jan 05 j 02:19	0°♎	
retrograde	-7125 Mar 19 j 05:54	7°♎23'17	
opposition	-7125 May 19 j 08:42	2°♎24'17	0°17'43
min. Earth dist.	-7125 May 19 j 03:10	2°♎26'05	4.09749 AU
	-7125 Jun 07 j 16:18	30°℞♍	
direct	-7125 Jul 17 j 18:30	27°♍31'23	
desc. node	-7125 Aug 13 j 09:00	28°♍40'35	
	-7125 Aug 26 j 04:53	0°♎	
evening set	-7125 Nov 18 j 06:40	16°♎19'00	
conjunction	-7125 Dec 01 j 07:28	19°♎23'35	-0°15'06
minimum elong	-7125 Dec 01 j 07:26	19°♎23'34	0°15'12
behind sun begin	-7125 Dec 01 j 04:37	19°♎21'54	
behind sun end	-7125 Dec 01 j 10:15	19°♎25'13	

Attention, astronomical year style is used: The year -7125 in astronomical counting style is the year 7126 BCE in historical counting style.

max. Earth dist.	-7125 Dec 02 j 02:00	19°♎34'32	6.06626 AU
morning rise	-7125 Dec 14 j 11:20	22°♎29'57	
	-7124 Jan 16 j 15:23	0°♏	
retrograde	-7124 Apr 24 j 01:06	12°♏28'38	
opposition	-7124 Jun 23 j 14:00	7°♏25'54	-1°02'59
min. Earth dist.	-7124 Jun 22 j 19:23	7°♏32'06	4.04705 AU
direct	-7124 Aug 21 j 00:31	2°♏32'09	
	-7124 Nov 24 j 01:57	15°♏	
evening set	-7124 Dec 22 j 23:48	21°♏35'47	
conjunction	-7123 Jan 05 j 08:15	24°♏44'46	-1°04'07
minimum elong	-7123 Jan 05 j 08:10	24°♏44'43	1°04'29
max. Earth dist.	-7123 Jan 06 j 19:25	25°♏05'32	6.04079 AU
morning rise	-7123 Jan 18 j 20:11	27°♏55'31	
	-7123 Jan 27 j 18:04	0°♐	
retrograde	-7123 May 30 j 12:36	18°♐01'38	
min. Earth dist.	-7123 Jul 28 j 09:00	13°♐05'35	4.05084 AU
opposition	-7123 Jul 29 j 11:19	12°♐56'39	-2°01'07
direct	-7123 Sep 25 j 12:37	8°♐00'13	
evening set	-7122 Jan 28 j 19:45	27°♐09'37	
	-7122 Feb 10 j 00:33	0°♑	
conjunction	-7122 Feb 11 j 10:11	0°♑19'38	-1°29'32
minimum elong	-7122 Feb 11 j 10:10	0°♑19'37	1°30'01
max. Earth dist.	-7122 Feb 13 j 02:26	0°♑43'06	6.07203 AU
morning rise	-7122 Feb 25 j 02:51	3°♑30'40	
retrograde	-7122 Jul 04 j 21:44	23°♑09'46	
min. Earth dist.	-7122 Sep 01 j 09:07	18°♑12'46	4.10693 AU
opposition	-7122 Sep 02 j 07:42	18°♑05'02	-2°13'56
direct	-7122 Oct 30 j 21:15	13°♑05'07	
	-7121 Feb 25 j 07:28	0°♒	
evening set	-7121 Mar 06 j 14:53	2°♒06'09	
conjunction	-7121 Mar 20 j 08:37	5°♒14'14	-1°22'12
minimum elong	-7121 Mar 20 j 08:41	5°♒14'16	1°22'37
max. Earth dist.	-7121 Mar 21 j 15:00	5°♒31'36	6.14770 AU
morning rise	-7121 Apr 03 j 02:33	8°♒22'16	
	-7121 May 03 j 06:50	15°♒	
retrograde	-7121 Aug 07 j 14:36	27°♒11'21	
opposition	-7121 Oct 05 j 19:57	22°♒09'17	-1°39'46
min. Earth dist.	-7121 Oct 05 j 06:48	22°♒13'45	4.19411 AU
direct	-7121 Dec 04 j 10:10	17°♒06'33	
	-7120 Mar 14 j 12:35	0°♓	
evening set	-7120 Apr 10 j 07:53	5°♓48'59	
conjunction	-7120 Apr 24 j 00:32	8°♓52'51	-0°47'04
minimum elong	-7120 Apr 24 j 00:36	8°♓52'53	0°47'17
max. Earth dist.	-7120 Apr 24 j 08:57	8°♓57'34	6.24010 AU
morning rise	-7120 May 07 j 15:34	11°♓55'42	
retrograde	-7120 Sep 07 j 21:40	29°♓53'14	
opposition	-7120 Nov 06 j 05:11	24°♓54'56	-0°34'48
min. Earth dist.	-7120 Nov 06 j 06:48	24°♓54'24	4.28250 AU
direct	-7119 Jan 06 j 03:08	19°♓50'51	
	-7119 Apr 05 j 05:33	0°♈	
asc. node	-7119 May 11 j 22:24	7°♈39'41	
evening set	-7119 May 14 j 11:17	8°♈13'04	
conjunction	-7119 May 27 j 22:08	11°♈11'21	0°02'05
minimum elong	-7119 May 27 j 22:09	11°♈11'22	0°02'07
behind sun begin	-7119 May 27 j 13:56	11°♈06'50	
behind sun end	-7119 May 28 j 06:22	11°♈15'53	
max. Earth dist.	-7119 May 27 j 09:50	11°♈04'34	6.31841 AU
morning rise	-7119 Jun 10 j 05:41	14°♈07'58	
	-7119 Sep 08 j 13:06	0°♉	
retrograde	-7119 Oct 09 j 05:42	1°♉29'27	
	-7119 Nov 08 j 23:17	30°♓R	
opposition	-7119 Dec 07 j 23:30	26°♈34'48	0°38'27
min. Earth dist.	-7119 Dec 08 j 13:35	26°♈30'11	4.34479 AU
direct	-7118 Feb 07 j 22:01	21°♈31'07	
	-7118 Apr 30 j 01:41	0°♉	
evening set	-7118 Jun 16 j 03:46	9°♉38'47	
max. Earth dist.	-7118 Jun 27 j 23:02	12°♉14'52	6.35951 AU
conjunction	-7118 Jun 29 j 05:02	12°♉31'27	0°49'31
minimum elong	-7118 Jun 29 j 04:58	12°♉31'24	0°49'48
	-7118 Jul 10 j 10:10	15°♉	
morning rise	-7118 Jul 12 j 02:57	15°♉22'25	
	-7118 Sep 29 j 20:07	0°♊	
retrograde	-7118 Nov 09 j 13:04	2°♊31'26	
	-7118 Dec 20 j 17:08	30°♉R	
opposition	-7117 Jan 08 j 18:54	27°♉39'16	1°39'25
min. Earth dist.	-7117 Jan 09 j 19:26	27°♉31'23	4.36310 AU
direct	-7117 Mar 12 j 08:16	22°♉37'24	
	-7117 May 26 j 08:31	0°♊	
evening set	-7117 Jul 17 j 18:53	10°♊39'17	
max. Earth dist.	-7117 Jul 28 j 21:55	13°♊07'33	6.35235 AU
conjunction	-7117 Jul 30 j 11:05	13°♊28'16	1°22'24
minimum elong	-7117 Jul 30 j 11:01	13°♊28'14	1°22'51
morning rise	-7117 Aug 12 j 00:30	16°♊15'57	
	-7117 Oct 22 j 22:11	0°♋	
retrograde	-7117 Dec 11 j 10:16	3°♋37'04	
	-7116 Jan 31 j 09:09	30°♉R	
opposition	-7116 Feb 10 j 05:54	28°♊45'35	2°12'12
min. Earth dist.	-7116 Feb 11 j 08:06	28°♊37'15	4.33235 AU
direct	-7116 Apr 12 j 16:03	23°♊46'27	
	-7116 Jun 19 j 10:25	0°♋	
evening set	-7116 Aug 16 j 23:36	11°♋51'31	
max. Earth dist.	-7116 Aug 28 j 00:50	14°♋21'08	6.29950 AU
conjunction	-7116 Aug 29 j 10:34	14°♋40'14	1°31'43
minimum elong	-7116 Aug 29 j 10:35	14°♋40'15	1°32'11
morning rise	-7116 Sep 10 j 20:15	17°♋28'29	
	-7116 Nov 12 j 02:31	0°♌	
retrograde	-7115 Jan 12 j 15:36	5°♌22'32	
opposition	-7115 Mar 14 j 19:33	0°♌29'55	2°06'43
min. Earth dist.	-7115 Mar 15 j 17:11	0°♌23'03	4.26097 AU
	-7115 Mar 18 j 17:53	30°♋R	
direct	-7115 May 15 j 13:10	25°♋33'47	
	-7115 Jul 10 j 01:24	0°♌	
evening set	-7115 Sep 17 j 11:29	13°♌49'26	
	-7115 Sep 22 j 14:27	15°♌	
conjunction	-7115 Sep 29 j 23:07	16°♌41'50	1°13'36
minimum elong	-7115 Sep 29 j 23:11	16°♌41'52	1°13'59
max. Earth dist.	-7115 Sep 29 j 01:17	16°♌29'14	6.21578 AU
morning rise	-7115 Oct 12 j 11:28	19°♌34'45	
	-7115 Nov 30 j 07:46	0°♍	
retrograde	-7114 Feb 16 j 07:56	8°♍15'14	
opposition	-7114 Apr 18 j 15:22	3°♍19'38	1°21'08
min. Earth dist.	-7114 Apr 18 j 23:10	3°♍17'08	4.17014 AU
	-7114 May 17 j 05:33	30°♌R	
direct	-7114 Jun 18 j 03:45	28°♌25'55	
	-7114 Jul 19 j 19:24	0°♍	
evening set	-7114 Oct 20 j 00:43	16°♍57'23	
conjunction	-7114 Nov 01 j 18:22	19°♍56'12	0°31'24
minimum elong	-7114 Nov 01 j 18:24	19°♍56'14	0°31'32
max. Earth dist.	-7114 Nov 01 j 18:03	19°♍56'01	6.12682 AU
morning rise	-7114 Nov 14 j 14:11	22°♍56'21	
	-7114 Dec 15 j 23:51	0°♎	
retrograde	-7113 Mar 24 j 10:54	12°♎24'29	
opposition	-7113 May 24 j 11:23	7°♎24'58	0°06'10
min. Earth dist.	-7113 May 24 j 04:14	7°♎27'19	4.08945 AU

Attention, astronomical year style is used: The year -7113 in astronomical counting style is the year 7114 BCE in historical counting style.

desc. node	-7113 Jun 23 j 04:40	3°♎56'14	
direct	-7113 Jul 22 j 18:18	2°♎32'07	
evening set	-7113 Nov 23 j 05:17	21°♎21'33	
conjunction	-7113 Dec 06 j 07:03	24°♎26'47	-0°22'44
minimum elong	-7113 Dec 06 j 07:00	24°♎26'45	0°22'53
max. Earth dist.	-7113 Dec 07 j 03:45	24°♎39'01	6.06191 AU
morning rise	-7113 Dec 19 j 12:17	27°♎33'53	
	-7113 Dec 29 j 23:18	0°♏	
	-7112 Mar 18 j 23:47	15°♏	
retrograde	-7112 Apr 29 j 03:48	17°♏34'31	
	-7112 Jun 09 j 06:19	15°℞♏	
opposition	-7112 Jun 28 j 15:51	12°♏31'21	-1°13'09
min. Earth dist.	-7112 Jun 27 j 18:39	12°♏38'26	4.04708 AU
direct	-7112 Aug 25 j 23:17	7°♏37'20	
	-7112 Nov 04 j 03:55	15°♏	
evening set	-7112 Dec 28 j 02:13	26°♏41'20	
conjunction	-7111 Jan 10 j 11:36	29°♏50'31	-1°09'25
minimum elong	-7111 Jan 10 j 11:31	29°♏50'28	1°09'47
	-7111 Jan 11 j 03:42	0°♐	
max. Earth dist.	-7111 Jan 12 j 00:39	0°♐12'21	6.04488 AU
morning rise	-7111 Jan 24 j 00:11	3°♐01'20	
retrograde	-7111 Jun 04 j 12:50	23°♐04'34	
min. Earth dist.	-7111 Aug 02 j 08:05	18°♐08'06	4.05857 AU
opposition	-7111 Aug 03 j 09:33	17°♐59'26	-2°05'48
direct	-7111 Sep 30 j 12:30	13°♐02'33	
	-7110 Jan 24 j 11:28	0°♑	
evening set	-7110 Feb 02 j 22:47	2°♑10'35	
conjunction	-7110 Feb 16 j 13:50	5°♑20'22	-1°30'28
minimum elong	-7110 Feb 16 j 13:50	5°♑20'22	1°30'57
max. Earth dist.	-7110 Feb 18 j 05:56	5°♑43'41	6.08252 AU
morning rise	-7110 Mar 02 j 06:49	8°♑31'03	
retrograde	-7110 Jul 09 j 15:33	28°♑03'25	
min. Earth dist.	-7110 Sep 06 j 02:45	23°♑06'29	4.11917 AU
opposition	-7110 Sep 07 j 00:40	22°♑59'00	-2°11'43
direct	-7110 Nov 04 j 16:28	17°♑58'40	
	-7109 Feb 07 j 22:34	0°♒	
evening set	-7109 Mar 11 j 15:04	6°♒57'12	
conjunction	-7109 Mar 25 j 08:48	10°♒04'46	-1°18'44
minimum elong	-7109 Mar 25 j 08:52	10°♒04'49	1°19'09
max. Earth dist.	-7109 Mar 26 j 10:48	10°♒19'36	6.16059 AU
morning rise	-7109 Apr 08 j 02:43	13°♒12'13	
	-7109 Apr 16 j 02:31	15°♒	
	-7109 Jul 08 j 15:26	0°♓	
retrograde	-7109 Aug 12 j 04:03	1°♓53'59	
	-7109 Sep 15 j 09:46	30°℞♒	
opposition	-7109 Oct 10 j 08:45	26°♒52'24	-1°32'08
min. Earth dist.	-7109 Oct 09 j 22:28	26°♒55'53	4.20624 AU
direct	-7109 Dec 09 j 04:10	21°♒49'21	
	-7108 Feb 24 j 13:52	0°♓	
evening set	-7108 Apr 15 j 03:11	10°♓29'18	
conjunction	-7108 Apr 28 j 19:31	13°♓32'34	-0°40'45
minimum elong	-7108 Apr 28 j 19:35	13°♓32'36	0°40'57
max. Earth dist.	-7108 Apr 29 j 01:53	13°♓36'08	6.25077 AU
morning rise	-7108 May 12 j 09:40	16°♓34'40	
	-7108 Jul 19 j 21:37	0°♈	
retrograde	-7108 Sep 12 j 06:58	4°♈26'48	
	-7108 Nov 06 j 18:35	30°℞♓	
opposition	-7108 Nov 10 j 15:31	29°♓29'05	-0°24'39
min. Earth dist.	-7108 Nov 10 j 18:29	29°♓28'06	4.29085 AU
direct	-7107 Jan 10 j 16:00	24°♓25'00	
	-7107 Mar 15 j 05:56	0°♈	
asc. node	-7107 Mar 21 j 22:50	1°♈06'05	
evening set	-7107 May 19 j 02:30	12°♈45'42	
conjunction	-7107 Jun 01 j 12:05	15°♈43'17	0°09'04
minimum elong	-7107 Jun 01 j 12:03	15°♈43'17	0°09'09
behind sun begin	-7107 Jun 01 j 05:09	15°♈39'29	
behind sun end	-7107 Jun 01 j 18:57	15°♈47'05	
max. Earth dist.	-7107 May 31 j 19:29	15°♈34'07	6.32386 AU
morning rise	-7107 Jun 14 j 18:33	18°♈39'13	
	-7107 Aug 10 j 09:02	0°♉	
retrograde	-7107 Oct 13 j 15:58	5°♉58'31	
opposition	-7107 Dec 12 j 09:59	1°♉04'18	0°48'05
min. Earth dist.	-7107 Dec 13 j 02:37	0°♉58'52	4.34716 AU
	-7107 Dec 20 j 16:11	30°℞♈	
direct	-7106 Feb 12 j 11:40	26°♈00'47	
	-7106 Apr 06 j 22:49	0°♉	
evening set	-7106 Jun 20 j 15:39	14°♉08'10	
	-7106 Jun 24 j 13:57	15°♉	
max. Earth dist.	-7106 Jul 02 j 09:17	16°♉43'28	6.35859 AU
conjunction	-7106 Jul 03 j 15:46	17°♉00'20	0°55'14
minimum elong	-7106 Jul 03 j 15:42	17°♉00'18	0°55'32
morning rise	-7106 Jul 16 j 12:17	19°♉50'47	
	-7106 Sep 04 j 08:02	0°♊	
retrograde	-7106 Nov 13 j 23:13	7°♊00'56	
opposition	-7105 Jan 13 j 07:33	2°♊08'57	1°45'59
min. Earth dist.	-7105 Jan 14 j 07:38	2°♊01'14	4.35933 AU
	-7105 Jan 30 j 15:17	30°℞♉	
direct	-7105 Mar 16 j 19:55	27°♉07'28	
	-7105 Apr 30 j 21:43	0°♊	
evening set	-7105 Jul 22 j 05:12	15°♊09'58	
max. Earth dist.	-7105 Aug 02 j 07:10	17°♊38'00	6.34595 AU
conjunction	-7105 Aug 03 j 20:16	17°♊58'43	1°25'15
minimum elong	-7105 Aug 03 j 20:13	17°♊58'42	1°25'43
morning rise	-7105 Aug 16 j 08:55	20°♊46'19	
	-7105 Sep 29 j 15:11	0°♋	
retrograde	-7105 Dec 16 j 02:21	8°♋11'16	
opposition	-7104 Feb 14 j 22:28	3°♋19'44	2°13'50
min. Earth dist.	-7104 Feb 16 j 00:59	3°♋11'19	4.32378 AU
	-7104 Mar 14 j 17:13	30°℞♊	
direct	-7104 Apr 17 j 08:04	28°♊21'02	
	-7104 May 20 j 19:29	0°♋	
evening set	-7104 Aug 21 j 10:03	16°♋27'08	
conjunction	-7104 Sep 02 j 20:46	19°♋16'09	1°30'47
minimum elong	-7104 Sep 02 j 20:48	19°♋16'09	1°31'14
max. Earth dist.	-7104 Sep 01 j 12:17	18°♋57'42	6.28945 AU
morning rise	-7104 Sep 15 j 06:29	22°♋04'48	
	-7104 Oct 22 j 01:03	0°♌	
retrograde	-7103 Jan 17 j 09:50	10°♌04'21	
opposition	-7103 Mar 19 j 15:55	5°♌11'19	2°02'33
min. Earth dist.	-7103 Mar 20 j 10:49	5°♌05'19	4.25009 AU
direct	-7103 May 20 j 05:21	0°♌15'34	
	-7103 Sep 06 j 08:02	15°♌	
evening set	-7103 Sep 22 j 00:06	18°♌32'31	
conjunction	-7103 Oct 04 j 12:18	21°♌25'36	1°08'54
minimum elong	-7103 Oct 04 j 12:22	21°♌25'39	1°09'14
max. Earth dist.	-7103 Oct 03 j 18:13	21°♌15'09	6.20505 AU
morning rise	-7103 Oct 17 j 01:18	24°♌19'17	
	-7103 Nov 11 j 10:23	0°♍	
retrograde	-7102 Feb 21 j 08:35	13°♍05'43	
opposition	-7102 Apr 23 j 15:10	8°♍09'36	1°11'53
min. Earth dist.	-7102 Apr 23 j 21:44	8°♍07'29	4.15998 AU
direct	-7102 Jun 23 j 00:48	3°♍16'04	
evening set	-7102 Oct 24 j 17:15	21°♍49'00	

Attention, astronomical year style is used: The year -7102 in astronomical counting style is the year 7103 BCE in historical counting style.

conjunction	-7102 Nov 06 j 11:51	24°♍48'37	0°24'08
minimum elong	-7102 Nov 06 j 11:53	24°♍48'38	0°24'14
max. Earth dist.	-7102 Nov 06 j 13:45	24°♍49'44	6.11814 AU
morning rise	-7102 Nov 19 j 09:02	27°♍49'43	
	-7102 Nov 28 j 18:08	0°♎	
retrograde	-7101 Mar 29 j 12:08	17°♎22'37	
desc. node	-7101 May 03 j 15:47	15°♎30'08	
opposition	-7101 May 29 j 12:29	12°♎22'32	-0°05'22
min. Earth dist.	-7101 May 29 j 02:18	12°♎25'52	4.08300 AU
direct	-7101 Jul 27 j 14:47	7°♎29'37	
evening set	-7101 Nov 28 j 02:58	26°♎20'36	
conjunction	-7101 Dec 11 j 05:51	29°♎26'27	-0°30'09
minimum elong	-7101 Dec 11 j 05:48	29°♎26'25	0°30'21
max. Earth dist.	-7101 Dec 12 j 05:27	29°♎40'25	6.05820 AU
	-7101 Dec 13 j 14:34	0°♏	
morning rise	-7101 Dec 24 j 12:06	2°♏34'10	
	-7100 Feb 20 j 08:25	15°♏	
retrograde	-7100 May 04 j 06:10	22°♏36'32	
opposition	-7100 Jul 03 j 15:58	17°♏32'57	-1°22'41
min. Earth dist.	-7100 Jul 02 j 18:32	17°♏40'08	4.04656 AU
	-7100 Jul 23 j 17:01	15°℞♏	
direct	-7100 Aug 30 j 22:45	12°♏38'35	
	-7100 Oct 07 j 20:13	15°♏	
	-7100 Dec 25 j 18:20	0°♐	
evening set	-7099 Jan 02 j 04:05	1°♐43'33	
conjunction	-7099 Jan 15 j 14:22	4°♐52'57	-1°14'10
minimum elong	-7099 Jan 15 j 14:17	4°♐52'54	1°14'34
max. Earth dist.	-7099 Jan 17 j 04:44	5°♐15'33	6.04747 AU
morning rise	-7099 Jan 29 j 03:44	8°♐03'57	
retrograde	-7099 Jun 09 j 11:38	28°♐04'34	
min. Earth dist.	-7099 Aug 07 j 04:47	23°♐08'11	4.06429 AU
opposition	-7099 Aug 08 j 06:30	22°♐59'26	-2°09'36
direct	-7099 Oct 05 j 09:29	18°♐02'05	
	-7098 Jan 07 j 00:03	0°♑	
evening set	-7098 Feb 08 j 01:44	7°♑09'45	
conjunction	-7098 Feb 21 j 17:14	10°♑19'23	-1°30'46
minimum elong	-7098 Feb 21 j 17:14	10°♑19'23	1°31'14
max. Earth dist.	-7098 Feb 23 j 06:31	10°♑41'01	6.09062 AU
morning rise	-7098 Mar 07 j 10:41	13°♑29'50	
	-7098 May 31 j 22:06	0°♒	
retrograde	-7098 Jul 14 j 09:42	2°♒56'29	
	-7098 Aug 26 j 15:52	30°℞♑	
opposition	-7098 Sep 11 j 17:45	27°♑52'19	-2°08'39
min. Earth dist.	-7098 Sep 10 j 21:33	27°♑59'14	4.12869 AU
direct	-7098 Nov 09 j 13:16	22°♑51'30	
	-7097 Jan 18 j 23:26	0°♒	
evening set	-7097 Mar 16 j 15:35	11°♒48'30	
conjunction	-7097 Mar 30 j 09:37	14°♒55'44	-1°14'43
minimum elong	-7097 Mar 30 j 09:41	14°♒55'46	1°15'05
	-7097 Mar 30 j 17:07	15°♒	
max. Earth dist.	-7097 Mar 31 j 10:15	15°♒09'45	6.17096 AU
morning rise	-7097 Apr 13 j 03:10	18°♒02'37	
	-7097 Jun 10 j 01:59	0°♓	
retrograde	-7097 Aug 16 j 18:21	6°♓37'52	
opposition	-7097 Oct 14 j 22:21	1°♓36'50	-1°23'51
min. Earth dist.	-7097 Oct 14 j 13:39	1°♓39'47	4.21633 AU
	-7097 Oct 27 j 01:48	30°℞♒	
direct	-7097 Dec 13 j 20:47	26°♒33'35	
	-7096 Jan 30 j 23:08	0°♓	
evening set	-7096 Apr 19 j 23:55	15°♓11'42	
conjunction	-7096 May 03 j 15:30	18°♓14'22	-0°34'06
minimum elong	-7096 May 03 j 15:34	18°♓14'24	0°34'15
max. Earth dist.	-7096 May 03 j 17:15	18°♓15'20	6.25982 AU
morning rise	-7096 May 17 j 05:01	21°♓15'48	
	-7096 Jun 27 j 17:55	0°♈	
retrograde	-7096 Sep 16 j 18:18	9°♈03'07	
opposition	-7096 Nov 15 j 03:26	4°♈05'55	-0°14'12
min. Earth dist.	-7096 Nov 15 j 08:43	4°♈04'10	4.29819 AU
	-7096 Dec 21 j 08:49	30°℞♓	
direct	-7095 Jan 15 j 07:51	29°♓01'49	
asc. node	-7095 Jan 29 j 07:52	29°♓20'05	
	-7095 Feb 09 j 14:07	0°♈	
evening set	-7095 May 23 j 18:47	17°♈21'14	
max. Earth dist.	-7095 Jun 05 j 09:55	20°♈08'31	6.32909 AU
conjunction	-7095 Jun 06 j 03:21	20°♈18'10	0°16'08
minimum elong	-7095 Jun 06 j 03:20	20°♈18'09	0°16'16
morning rise	-7095 Jun 19 j 08:22	23°♈13'20	
	-7095 Jul 21 j 07:37	0°♉	
retrograde	-7095 Oct 18 j 02:04	10°♉30'38	
opposition	-7095 Dec 16 j 22:09	5°♉36'52	0°57'37
min. Earth dist.	-7095 Dec 17 j 15:13	5°♉31'18	4.35017 AU
direct	-7094 Feb 17 j 00:55	0°♉33'41	
	-7094 Jun 08 j 04:46	15°♉	
evening set	-7094 Jun 25 j 04:37	18°♉40'20	
max. Earth dist.	-7094 Jul 06 j 18:32	21°♉13'47	6.35913 AU
conjunction	-7094 Jul 08 j 03:11	21°♉31'52	1°00'42
minimum elong	-7094 Jul 08 j 03:06	21°♉31'49	1°01'03
morning rise	-7094 Jul 20 j 22:33	24°♉21'47	
	-7094 Aug 16 j 06:24	0°♊	
retrograde	-7094 Nov 18 j 12:35	11°♊32'45	
opposition	-7093 Jan 17 j 21:45	6°♊40'58	1°52'01
min. Earth dist.	-7093 Jan 18 j 22:52	6°♊32'55	4.35768 AU
direct	-7093 Mar 21 j 11:30	1°♊39'52	
evening set	-7093 Jul 26 j 15:50	19°♊42'04	
max. Earth dist.	-7093 Aug 06 j 18:26	22°♊10'38	6.34221 AU
conjunction	-7093 Aug 08 j 06:05	22°♊30'34	1°27'38
minimum elong	-7093 Aug 08 j 06:03	22°♊30'33	1°28'05
morning rise	-7093 Aug 20 j 17:48	25°♊17'58	
	-7093 Sep 11 j 07:59	0°♋	
retrograde	-7093 Dec 20 j 15:54	12°♋45'55	
opposition	-7092 Feb 19 j 15:11	7°♋54'16	2°14'39
min. Earth dist.	-7092 Feb 20 j 15:53	7°♋46'26	4.31835 AU
direct	-7092 Apr 21 j 22:06	2°♋56'03	
evening set	-7092 Aug 25 j 20:05	21°♋02'08	
max. Earth dist.	-7092 Sep 05 j 23:44	23°♋33'49	6.28270 AU
conjunction	-7092 Sep 07 j 06:29	23°♋51'19	1°29'18
minimum elong	-7092 Sep 07 j 06:31	23°♋51'20	1°29'46
morning rise	-7092 Sep 19 j 16:15	26°♋40'16	
	-7092 Oct 04 j 14:20	0°♌	
retrograde	-7091 Jan 22 j 05:26	14°♌44'27	
opposition	-7091 Mar 24 j 11:48	9°♌51'04	1°57'36
min. Earth dist.	-7091 Mar 25 j 06:04	9°♌45'16	4.24217 AU
direct	-7091 May 24 j 23:34	4°♌55'40	
	-7091 Aug 19 j 20:59	15°♌	
evening set	-7091 Sep 26 j 11:21	23°♌13'01	
max. Earth dist.	-7091 Oct 08 j 08:16	25°♌57'31	6.19673 AU
conjunction	-7091 Oct 09 j 00:09	26°♌06'43	1°03'48
minimum elong	-7091 Oct 09 j 00:14	26°♌06'45	1°04'06
morning rise	-7091 Oct 21 j 14:02	29°♌01'09	
	-7091 Oct 25 j 20:40	0°♍	
retrograde	-7090 Feb 26 j 05:24	17°♍52'46	
opposition	-7090 Apr 28 j 13:03	12°♍56'08	1°02'15
min. Earth dist.	-7090 Apr 28 j 16:48	12°♍54'55	4.15179 AU
direct	-7090 Jun 27 j 17:54	8°♍02'47	

Attention, astronomical year style is used: The year -7090 in astronomical counting style is the year 7091 BCE in historical counting style.

evening set	-7090 Oct 29 j 08:20	26°♍36'52		
conjunction	-7090 Nov 11 j 03:57	29°♍37'15	0°16'49	
minimum elong	-7090 Nov 11 j 03:58	29°♍37'16	0°16'53	
max. Earth dist.	-7090 Nov 11 j 08:37	29°♍40'00	6.11082 AU	
	-7090 Nov 12 j 18:38	0°♎		
morning rise	-7090 Nov 24 j 02:15	2°♎39'12		
desc. node	-7089 Mar 14 j 20:44	21°♎40'15		
retrograde	-7089 Apr 03 j 13:22	22°♎16'31		
opposition	-7089 Jun 03 j 11:15	17°♎15'53	-0°16'40	
min. Earth dist.	-7089 Jun 03 j 00:19	17°♎19'29	4.07706 AU	
direct	-7089 Aug 01 j 11:06	12°♎22'50		
	-7089 Nov 27 j 13:52	0°♏		
evening set	-7089 Dec 02 j 23:01	1°♏15'37		
conjunction	-7089 Dec 16 j 03:01	4°♏22'07	-0°37'13	
minimum elong	-7089 Dec 16 j 02:57	4°♏22'05	0°37'26	
max. Earth dist.	-7089 Dec 17 j 04:52	4°♏37'24	6.05415 AU	
morning rise	-7089 Dec 29 j 10:24	7°♏30'29		
	-7088 Jan 31 j 13:19	15°♏		
retrograde	-7088 May 09 j 06:10	27°♏34'37		
opposition	-7088 Jul 08 j 13:54	22°♏30'45	-1°31'27	
min. Earth dist.	-7088 Jul 07 j 15:31	22°♏38'16	4.04513 AU	
direct	-7088 Sep 04 j 18:04	17°♏36'04		
	-7088 Dec 08 j 15:27	0°♐		
evening set	-7087 Jan 07 j 04:33	6°♐42'38		
conjunction	-7087 Jan 20 j 15:35	9°♐52'19	-1°18'17	
minimum elong	-7087 Jan 20 j 15:31	9°♐52'17	1°18'43	
max. Earth dist.	-7087 Jan 22 j 05:05	10°♐14'22	6.04851 AU	
morning rise	-7087 Feb 03 j 05:49	13°♐03'35		
	-7087 Apr 30 j 22:39	0°♑		
retrograde	-7087 Jun 14 j 09:07	3°♑02'22		
	-7087 Jul 28 j 15:19	30°℞♐		
min. Earth dist.	-7087 Aug 12 j 00:53	28°♐05'48	4.06784 AU	
opposition	-7087 Aug 13 j 02:05	27°♐57'12	-2°12'24	
direct	-7087 Oct 10 j 06:34	22°♐59'20		
	-7087 Dec 17 j 22:54	0°♑		
evening set	-7086 Feb 13 j 03:48	12°♑07'30		
conjunction	-7086 Feb 26 j 20:06	15°♑17'11	-1°30'23	
minimum elong	-7086 Feb 26 j 20:07	15°♑17'12	1°30'51	
max. Earth dist.	-7086 Feb 28 j 09:30	15°♑38'50	6.09657 AU	
morning rise	-7086 Mar 12 j 13:44	18°♑27'28		
	-7086 May 05 j 21:52	0°♒		
retrograde	-7086 Jul 19 j 04:27	7°♒49'02		
opposition	-7086 Sep 16 j 10:17	2°♒45'13	-2°04'40	
min. Earth dist.	-7086 Sep 15 j 15:30	2°♒51'39	4.13645 AU	
	-7086 Oct 07 j 19:56	30°℞♑		
direct	-7086 Nov 14 j 08:14	27°♑44'01		
	-7086 Dec 22 j 05:00	0°♒		
	-7085 Mar 14 j 05:51	15°♒		
evening set	-7085 Mar 21 j 16:08	16°♒40'01		
conjunction	-7085 Apr 04 j 10:06	19°♒46'54	-1°10'10	
minimum elong	-7085 Apr 04 j 10:11	19°♒46'57	1°10'30	
max. Earth dist.	-7085 Apr 05 j 07:06	19°♒58'49	6.18001 AU	
morning rise	-7085 Apr 18 j 03:38	22°♒53'21		
	-7085 May 20 j 21:22	0°♓		
retrograde	-7085 Aug 21 j 07:17	11°♓22'28		
opposition	-7085 Oct 19 j 12:12	6°♓21'52	-1°15'00	
min. Earth dist.	-7085 Oct 19 j 04:54	6°♓24'21	4.22580 AU	
direct	-7085 Dec 18 j 14:23	1°♓18'22		
evening set	-7084 Apr 24 j 20:14	19°♓54'31		
conjunction	-7084 May 08 j 11:16	22°♓56'32	-0°27'12	
minimum elong	-7084 May 08 j 11:18	22°♓56'33	0°27'19	
max. Earth dist.	-7084 May 08 j 11:32	22°♓56'41	6.26930 AU	
morning rise	-7084 May 21 j 23:44	25°♓57'10		
	-7084 Jun 09 j 13:33	0°♈		
retrograde	-7084 Sep 21 j 05:24	13°♈39'27		
opposition	-7084 Nov 19 j 15:37	8°♈42'45	-0°03'39	
min. Earth dist.	-7084 Nov 19 j 22:19	8°♈40'31	4.30674 AU	
asc. node	-7084 Dec 08 j 22:47	6°♈15'55		
direct	-7083 Jan 19 j 23:33	3°♈38'42		
evening set	-7083 May 28 j 10:32	21°♈55'51		
conjunction	-7083 Jun 10 j 17:41	24°♈51'56	0°23'06	
minimum elong	-7083 Jun 10 j 17:39	24°♈51'55	0°23'15	
max. Earth dist.	-7083 Jun 09 j 21:03	24°♈40'32	6.33587 AU	
morning rise	-7083 Jun 23 j 21:29	27°♈46'17		
	-7083 Jul 04 j 02:42	0°♉		
	-7083 Oct 19 j 06:55	15°♉		
retrograde	-7083 Oct 22 j 11:59	15°♉01'01		
	-7083 Oct 25 j 16:55	15°℞♉		
opposition	-7083 Dec 21 j 09:56	10°♉07'31	1°06'45	
min. Earth dist.	-7083 Dec 22 j 04:29	10°♉01'29	4.35472 AU	
direct	-7082 Feb 21 j 15:46	5°♉04'27		
	-7082 May 21 j 13:55	15°♉		
evening set	-7082 Jun 29 j 16:06	23°♉09'32		
max. Earth dist.	-7082 Jul 11 j 05:11	25°♉42'33	6.36080 AU	
conjunction	-7082 Jul 12 j 13:27	26°♉00'25	1°05'48	
minimum elong	-7082 Jul 12 j 13:22	26°♉00'23	1°06'10	
morning rise	-7082 Jul 25 j 07:22	28°♉49'41		
	-7082 Jul 30 j 15:33	0°♊		
retrograde	-7082 Nov 22 j 22:26	16°♊01'08		
opposition	-7081 Jan 22 j 10:46	11°♊09'27	1°57'21	
min. Earth dist.	-7081 Jan 23 j 11:52	11°♊01'26	4.35629 AU	
direct	-7081 Mar 26 j 00:26	6°♊08'43		
evening set	-7081 Jul 31 j 00:54	24°♊10'24		
max. Earth dist.	-7081 Aug 11 j 01:23	26°♊38'06	6.33747 AU	
conjunction	-7081 Aug 12 j 14:06	26°♊58'40	1°29'29	
minimum elong	-7081 Aug 12 j 14:04	26°♊58'39	1°29'57	
morning rise	-7081 Aug 25 j 01:20	29°♊46'00		
	-7081 Aug 26 j 02:29	0°♋		
retrograde	-7081 Dec 25 j 07:13	17°♋17'35		
opposition	-7080 Feb 24 j 07:17	12°♋25'46	2°14'42	
min. Earth dist.	-7080 Feb 25 j 08:21	12°♋17'49	4.31041 AU	
direct	-7080 Apr 26 j 13:30	7°♋27'54		
evening set	-7080 Aug 30 j 05:09	25°♋34'52		
max. Earth dist.	-7080 Sep 10 j 10:54	28°♋08'04	6.27221 AU	
conjunction	-7080 Sep 11 j 15:41	28°♋24'28	1°27'19	
minimum elong	-7080 Sep 11 j 15:43	28°♋24'29	1°27'46	
	-7080 Sep 18 j 15:22	0°♌		
morning rise	-7080 Sep 24 j 01:34	1°♌13'56		
	-7080 Dec 02 j 16:44	15°♌		
retrograde	-7079 Jan 26 j 23:32	19°♌24'07		
	-7079 Mar 25 j 10:18	15°℞♌		
opposition	-7079 Mar 29 j 07:32	14°♌30'24	1°51'57	
min. Earth dist.	-7079 Mar 29 j 23:47	14°♌25'13	4.22975 AU	
direct	-7079 May 29 j 14:47	9°♌35'21		
	-7079 Jul 29 j 23:10	15°♌		
evening set	-7079 Sep 30 j 23:43	27°♌54'55		
	-7079 Oct 09 j 23:56	0°♍		
conjunction	-7079 Oct 13 j 13:10	0°♍49'29	0°58'16	
minimum elong	-7079 Oct 13 j 13:14	0°♍49'31	0°58'32	
max. Earth dist.	-7079 Oct 12 j 23:08	0°♍41'20	6.18351 AU	
morning rise	-7079 Oct 26 j 04:05	3°♍44'56		
retrograde	-7078 Mar 03 j 06:58	22°♍43'44		
opposition	-7078 May 03 j 12:46	17°♍46'34	0°52'05	

Attention, astronomical year style is used: The year -7078 in astronomical counting style is the year 7079 BCE in historical counting style.

min. Earth dist.	-7078 May 03 j 15:10	17°♍45'47	4.13850 AU
direct	-7078 Jul 02 j 13:45	12°♍53'20	
	-7078 Oct 27 j 14:25	0°♎	
evening set	-7078 Nov 03 j 02:09	1°♎30'37	
conjunction	-7078 Nov 15 j 23:02	4°♎32'04	0°09'15
minimum elong	-7078 Nov 15 j 23:03	4°♎32'05	0°09'15
behind sun begin	-7078 Nov 15 j 16:12	4°♎28'04	
behind sun end	-7078 Nov 16 j 05:54	4°♎36'06	
max. Earth dist.	-7078 Nov 16 j 07:03	4°♎36'46	6.09883 AU
morning rise	-7078 Nov 28 j 22:41	7°♎35'09	
desc. node	-7077 Jan 22 j 13:04	19°♎20'34	
retrograde	-7077 Apr 08 j 17:13	27°♎18'29	
opposition	-7077 Jun 08 j 13:22	22°♎17'23	-0°28'12
min. Earth dist.	-7077 Jun 08 j 00:22	22°♎21'41	4.06763 AU
direct	-7077 Aug 06 j 08:39	17°♎24'19	
	-7077 Nov 10 j 06:19	0°♏	
evening set	-7077 Dec 07 j 23:45	6°♏20'22	
conjunction	-7077 Dec 21 j 04:46	9°♏27'36	-0°44'15
minimum elong	-7077 Dec 21 j 04:42	9°♏27'34	0°44'31
max. Earth dist.	-7077 Dec 22 j 08:00	9°♏43'44	6.04798 AU
morning rise	-7076 Jan 03 j 13:23	12°♏36'44	
	-7076 Jan 13 j 19:26	15°♏	
	-7076 Apr 02 j 05:34	0°♐	
retrograde	-7076 May 14 j 10:01	2°♐43'13	
	-7076 Jun 25 j 12:18	30°℞♏	
opposition	-7076 Jul 13 j 15:50	27°♏39'03	-1°39'53
min. Earth dist.	-7076 Jul 12 j 16:09	27°♏47'02	4.04314 AU
direct	-7076 Sep 09 j 19:05	22°♏44'03	
	-7076 Nov 18 j 08:46	0°♐	
evening set	-7075 Jan 12 j 10:07	11°♐52'31	
conjunction	-7075 Jan 25 j 22:13	15°♐02'31	-1°22'00
minimum elong	-7075 Jan 25 j 22:09	15°♐02'29	1°22'26
max. Earth dist.	-7075 Jan 27 j 14:25	15°♐26'08	6.05110 AU
morning rise	-7075 Feb 08 j 13:00	18°♐13'53	
	-7075 Apr 04 j 03:49	0°♑	
retrograde	-7075 Jun 19 j 11:25	8°♑09'33	
min. Earth dist.	-7075 Aug 17 j 00:27	3°♑12'59	4.07518 AU
opposition	-7075 Aug 18 j 01:18	3°♑04'30	-2°14'18
	-7075 Sep 11 j 10:35	30°℞♐	
direct	-7075 Oct 15 j 07:11	28°♐06'16	
	-7075 Nov 18 j 07:23	0°♑	
evening set	-7074 Feb 18 j 09:46	17°♑13'22	
conjunction	-7074 Mar 04 j 02:23	20°♑22'44	-1°29'21
minimum elong	-7074 Mar 04 j 02:25	20°♑22'45	1°29'49
max. Earth dist.	-7074 Mar 05 j 14:10	20°♑43'23	6.10813 AU
morning rise	-7074 Mar 17 j 20:23	23°♑32'36	
	-7074 Apr 15 j 21:48	0°♒	
retrograde	-7074 Jul 23 j 22:08	12°♒46'30	
min. Earth dist.	-7074 Sep 20 j 10:09	7°♒49'22	4.15125 AU
opposition	-7074 Sep 21 j 04:42	7°♒43'02	-1°59'46
direct	-7074 Nov 19 j 05:44	2°♒41'28	
	-7073 Feb 24 j 15:24	15°♒	
evening set	-7073 Mar 26 j 17:27	21°♒33'38	
conjunction	-7073 Apr 09 j 11:17	24°♒39'44	-1°05'09
minimum elong	-7073 Apr 09 j 11:21	24°♒39'47	1°05'28
max. Earth dist.	-7073 Apr 10 j 06:36	24°♒50'40	6.19713 AU
morning rise	-7073 Apr 23 j 04:12	27°♒45'13	
	-7073 May 03 j 06:25	0°♓	
retrograde	-7073 Aug 25 j 20:16	16°♓05'21	
opposition	-7073 Oct 24 j 01:27	11°♓05'18	-1°05'45
min. Earth dist.	-7073 Oct 23 j 20:21	11°♓07'01	4.24345 AU
direct	-7073 Dec 23 j 09:04	6°♓01'39	
evening set	-7072 Apr 29 j 14:37	24°♓32'52	
conjunction	-7072 May 13 j 04:41	27°♓33'48	-0°20'19
minimum elong	-7072 May 13 j 04:43	27°♓33'49	0°20'22
max. Earth dist.	-7072 May 13 j 01:37	27°♓32'07	6.28605 AU
	-7072 May 24 j 03:52	0°♈	
morning rise	-7072 May 26 j 16:05	0°♈33'18	
retrograde	-7072 Sep 25 j 11:40	18°♈08'29	
asc. node	-7072 Oct 20 j 05:23	17°♈09'05	
opposition	-7072 Nov 24 j 00:44	13°♈12'14	0°06'33
min. Earth dist.	-7072 Nov 24 j 09:01	13°♈09'29	4.32130 AU
direct	-7071 Jan 24 j 12:49	8°♈08'10	
evening set	-7071 Jun 01 j 21:58	26°♈21'19	
max. Earth dist.	-7071 Jun 14 j 05:07	29°♈03'51	6.34704 AU
conjunction	-7071 Jun 15 j 03:46	29°♈16'22	0°29'40
minimum elong	-7071 Jun 15 j 03:43	29°♈16'20	0°29'51
	-7071 Jun 18 j 10:44	0°♉	
morning rise	-7071 Jun 28 j 06:03	2°♉09'39	
	-7071 Sep 02 j 13:16	15°♉	
retrograde	-7071 Oct 26 j 17:16	19°♉20'58	
	-7071 Dec 21 j 14:00	15°℞♉	
opposition	-7071 Dec 25 j 17:32	14°♉27'50	1°15'05
min. Earth dist.	-7071 Dec 26 j 14:04	14°♉21'11	4.36171 AU
direct	-7070 Feb 26 j 02:23	9°♉25'01	
	-7070 May 01 j 10:22	15°♉	
evening set	-7070 Jul 03 j 22:38	27°♉27'57	
max. Earth dist.	-7070 Jul 15 j 07:06	29°♉58'31	6.36267 AU
	-7070 Jul 15 j 09:47	0°♊	
conjunction	-7070 Jul 16 j 18:34	0°♊18'11	1°10'17
minimum elong	-7070 Jul 16 j 18:30	0°♊18'08	1°10'40
morning rise	-7070 Jul 29 j 11:26	3°♊06'54	
retrograde	-7070 Nov 27 j 05:28	20°♊19'17	
opposition	-7069 Jan 26 j 19:32	15°♊27'40	2°01'49
min. Earth dist.	-7069 Jan 27 j 21:56	15°♊19'14	4.35311 AU
direct	-7069 Mar 30 j 09:31	10°♊27'11	
evening set	-7069 Aug 04 j 05:38	28°♊29'17	
	-7069 Aug 11 j 00:02	0°♋	
max. Earth dist.	-7069 Aug 15 j 06:13	0°♋57'20	6.32935 AU
conjunction	-7069 Aug 16 j 18:18	1°♋17'35	1°30'46
minimum elong	-7069 Aug 16 j 18:17	1°♋17'35	1°31'14
morning rise	-7069 Aug 29 j 04:51	4°♋05'00	
retrograde	-7069 Dec 29 j 18:03	21°♋41'32	
opposition	-7068 Feb 28 j 19:43	16°♋49'36	2°14'01
min. Earth dist.	-7068 Feb 29 j 20:35	16°♋41'43	4.29790 AU
direct	-7068 Apr 30 j 23:04	11°♋52'05	
evening set	-7068 Sep 03 j 11:44	0°♌01'48	
	-7068 Sep 03 j 08:33	0°♌	
conjunction	-7068 Sep 15 j 22:16	2°♌52'05	1°24'51
minimum elong	-7068 Sep 15 j 22:19	2°♌52'06	1°25'17
max. Earth dist.	-7068 Sep 14 j 17:05	2°♌35'23	6.25621 AU
morning rise	-7068 Sep 28 j 08:44	5°♌42'26	
	-7068 Nov 10 j 18:29	15°♌	
retrograde	-7067 Jan 31 j 19:02	24°♌00'48	
opposition	-7067 Apr 03 j 01:50	19°♌06'39	1°45'45
min. Earth dist.	-7067 Apr 03 j 17:05	19°♌01'47	4.21123 AU
	-7067 May 11 j 10:15	15°℞♌	
direct	-7067 Jun 03 j 04:47	14°♌11'51	
	-7067 Jun 25 j 20:42	15°♌	
	-7067 Sep 24 j 03:04	0°♍	
evening set	-7067 Oct 05 j 11:16	2°♍35'53	
conjunction	-7067 Oct 18 j 01:50	5°♍31'42	0°52'24
minimum elong	-7067 Oct 18 j 01:54	5°♍31'44	0°52'39

Attention, astronomical year style is used: The year -7067 in astronomical counting style is the year 7068 BCE in historical counting style.

max. Earth dist.	-7067 Oct 17 j 15:11	5°♍25'30	6.16432 AU
morning rise	-7067 Oct 30 j 17:50	8°♍28'29	
retrograde	-7066 Mar 08 j 08:46	27°♍36'30	
opposition	-7066 May 08 j 12:48	22°♍38'49	0°41'33
min. Earth dist.	-7066 May 08 j 12:55	22°♍38'47	4.12026 AU
direct	-7066 Jul 07 j 08:09	17°♍45'46	
	-7066 Oct 10 j 11:00	0°♎	
evening set	-7066 Nov 07 j 21:46	6°♎28'04	
conjunction	-7066 Nov 20 j 19:46	9°♎30'44	0°01'32
minimum elong	-7066 Nov 20 j 19:47	9°♎30'44	0°01'30
behind sun begin	-7066 Nov 20 j 11:39	9°♎25'58	
behind sun end	-7066 Nov 21 j 03:55	9°♎35'31	
max. Earth dist.	-7066 Nov 21 j 06:08	9°♎36'50	6.08317 AU
desc. node	-7066 Dec 01 j 17:50	12°♎05'10	
morning rise	-7066 Dec 03 j 20:58	12°♎35'08	
	-7065 Mar 04 j 22:17	0°♏	
retrograde	-7065 Apr 13 j 22:26	2°♏25'31	
	-7065 May 23 j 23:50	30°℞♎	
opposition	-7065 Jun 13 j 16:52	27°♎23'49	-0°39'39
min. Earth dist.	-7065 Jun 13 j 01:10	27°♎29'01	4.05614 AU
direct	-7065 Aug 11 j 08:29	22°♎30'32	
	-7065 Oct 21 j 05:55	0°♏	
evening set	-7065 Dec 13 j 02:52	11°♏30'27	
conjunction	-7065 Dec 26 j 09:14	14°♏38'30	-0°51'02
minimum elong	-7065 Dec 26 j 09:09	14°♏38'27	0°51'20
	-7065 Dec 27 j 21:33	15°♏	
max. Earth dist.	-7065 Dec 27 j 17:15	14°♏57'27	6.04167 AU
morning rise	-7064 Jan 08 j 18:51	17°♏48'21	
	-7064 Mar 05 j 05:39	0°♐	
retrograde	-7064 May 19 j 17:17	7°♐56'19	
opposition	-7064 Jul 18 j 19:19	2°♐51'48	-1°47'36
min. Earth dist.	-7064 Jul 17 j 18:55	3°♐00'03	4.04281 AU
	-7064 Aug 10 j 11:35	30°℞♏	
direct	-7064 Sep 14 j 21:59	27°♏56'22	
	-7064 Oct 20 j 05:10	0°♐	
evening set	-7063 Jan 17 j 17:27	17°♐05'39	
conjunction	-7063 Jan 31 j 06:11	20°♐15'42	-1°25'05
minimum elong	-7063 Jan 31 j 06:08	20°♐15'40	1°25'32
max. Earth dist.	-7063 Feb 01 j 22:41	20°♐39'26	6.05618 AU
morning rise	-7063 Feb 13 j 21:47	23°♐27'05	
	-7063 Mar 14 j 22:23	0°♑	
retrograde	-7063 Jun 24 j 11:00	13°♑17'57	
min. Earth dist.	-7063 Aug 21 j 23:17	8°♑21'34	4.08496 AU
opposition	-7063 Aug 23 j 00:47	8°♑12'51	-2°15'10
direct	-7063 Oct 20 j 07:55	3°♑14'02	
evening set	-7062 Feb 23 j 15:56	22°♑19'00	
conjunction	-7062 Mar 09 j 08:58	25°♑27'55	-1°27'39
minimum elong	-7062 Mar 09 j 09:01	25°♑27'57	1°28'06
max. Earth dist.	-7062 Mar 10 j 19:36	25°♑47'51	6.12143 AU
morning rise	-7062 Mar 23 j 02:56	28°♑37'10	
	-7062 Mar 29 j 04:51	0°♒	
	-7062 Jun 17 j 01:57	15°♒	
retrograde	-7062 Jul 28 j 17:25	17°♒42'46	
	-7062 Sep 08 j 02:13	15°℞♒	
opposition	-7062 Sep 25 j 22:55	12°♒39'40	-1°54'01
min. Earth dist.	-7062 Sep 25 j 06:47	12°♒45'10	4.16625 AU
direct	-7062 Nov 24 j 05:11	7°♒37'41	
	-7061 Feb 04 j 13:00	15°♒	
evening set	-7061 Mar 31 j 18:39	26°♒26'07	
conjunction	-7061 Apr 14 j 12:16	29°♒31'29	-0°59'41
minimum elong	-7061 Apr 14 j 12:21	29°♒31'32	0°59'58
max. Earth dist.	-7061 Apr 15 j 04:51	29°♒40'50	6.21257 AU
	-7061 Apr 16 j 14:53	0°♓	
morning rise	-7061 Apr 28 j 04:40	2°♓36'05	
retrograde	-7061 Aug 30 j 08:00	20°♓48'11	
opposition	-7061 Oct 28 j 15:05	15°♓48'40	-0°56'04
min. Earth dist.	-7061 Oct 28 j 11:15	15°♓49'58	4.25786 AU
direct	-7061 Dec 28 j 02:26	10°♓44'52	
evening set	-7060 May 04 j 09:40	29°♓12'34	
	-7060 May 07 j 23:38	0°♈	
conjunction	-7060 May 17 j 22:42	2°♈12'36	-0°13'12
minimum elong	-7060 May 17 j 22:44	2°♈12'36	0°13'14
behind sun begin	-7060 May 17 j 18:04	2°♈10'02	
behind sun end	-7060 May 18 j 03:24	2°♈15'11	
max. Earth dist.	-7060 May 17 j 15:56	2°♈08'51	6.29846 AU
morning rise	-7060 May 31 j 09:00	5°♈11'07	
asc. node	-7060 Aug 29 j 23:58	21°♈10'07	
retrograde	-7060 Sep 29 j 22:35	22°♈41'08	
opposition	-7060 Nov 28 j 12:11	17°♈45'27	0°16'55
min. Earth dist.	-7060 Nov 28 j 23:21	17°♈41'47	4.33071 AU
direct	-7059 Jan 29 j 05:00	12°♈41'30	
	-7059 Jun 02 j 11:50	0°♉	
evening set	-7059 Jun 06 j 11:48	0°♉52'24	
conjunction	-7059 Jun 19 j 16:16	3°♉46'40	0°36'14
minimum elong	-7059 Jun 19 j 16:13	3°♉46'38	0°36'28
max. Earth dist.	-7059 Jun 18 j 14:55	3°♉32'40	6.35261 AU
morning rise	-7059 Jul 02 j 17:11	6°♉39'10	
	-7059 Aug 11 j 19:20	15°♉	
retrograde	-7059 Oct 31 j 02:14	23°♉49'08	
opposition	-7059 Dec 30 j 04:59	18°♉56'20	1°23'20
min. Earth dist.	-7059 Dec 31 j 02:27	18°♉49'23	4.36343 AU
	-7058 Feb 03 j 10:00	15°℞♉	
direct	-7058 Mar 02 j 14:53	13°♉53'46	
	-7058 Mar 30 j 00:56	15°♉	
	-7058 Jun 29 j 12:19	0°♊	
evening set	-7058 Jul 08 j 09:16	1°♊56'18	
max. Earth dist.	-7058 Jul 19 j 16:14	4°♊26'13	6.36033 AU
conjunction	-7058 Jul 21 j 03:59	4°♊46'05	1°14'34
minimum elong	-7058 Jul 21 j 03:56	4°♊46'03	1°14'58
morning rise	-7058 Aug 02 j 19:38	7°♊34'24	
retrograde	-7058 Dec 01 j 18:13	24°♊49'10	
opposition	-7057 Jan 31 j 09:40	19°♊57'44	2°05'50
min. Earth dist.	-7057 Feb 01 j 12:52	19°♊49'04	4.34700 AU
direct	-7057 Apr 03 j 23:22	14°♊57'42	
	-7057 Jul 25 j 23:05	0°♋	
evening set	-7057 Aug 08 j 15:20	3°♋00'53	
max. Earth dist.	-7057 Aug 19 j 14:16	5°♋28'26	6.31978 AU
conjunction	-7057 Aug 21 j 03:17	5°♋49'17	1°31'36
minimum elong	-7057 Aug 21 j 03:17	5°♋49'16	1°32'04
morning rise	-7057 Sep 02 j 13:37	8°♋36'56	
retrograde	-7056 Jan 03 j 12:00	26°♋19'04	
opposition	-7056 Mar 04 j 14:18	21°♋26'58	2°12'29
min. Earth dist.	-7056 Mar 05 j 14:01	21°♋19'26	4.28562 AU
direct	-7056 May 05 j 14:19	16°♋29'53	
	-7056 Aug 17 j 20:39	0°♌	
evening set	-7056 Sep 07 j 23:13	4°♌41'55	
max. Earth dist.	-7056 Sep 19 j 08:23	7°♌18'06	6.24253 AU
conjunction	-7056 Sep 20 j 10:09	7°♌32'53	1°21'46
minimum elong	-7056 Sep 20 j 10:13	7°♌32'55	1°22'09
morning rise	-7056 Oct 02 j 20:56	10°♌24'00	
	-7056 Oct 23 j 10:45	15°♌	
retrograde	-7055 Feb 05 j 18:42	28°♌49'38	
opposition	-7055 Apr 08 j 01:10	23°♌55'10	1°38'31
min. Earth dist.	-7055 Apr 08 j 14:34	23°♌50'54	4.19722 AU

Attention, astronomical year style is used: The year -7055 in astronomical counting style is the year 7056 BCE in historical counting style.

direct	-7055 Jun 07 j 23:33	19°♌00'49	
	-7055 Sep 06 j 14:24	0°♍	
evening set	-7055 Oct 10 j 03:19	7°♍27'35	
conjunction	-7055 Oct 22 j 18:37	10°♍24'20	0°45'58
minimum elong	-7055 Oct 22 j 18:41	10°♍24'22	0°46'11
max. Earth dist.	-7055 Oct 22 j 10:00	10°♍19'17	6.15147 AU
morning rise	-7055 Nov 04 j 11:56	13°♍22'14	
	-7054 Jan 30 j 14:37	0°♎	
retrograde	-7054 Mar 13 j 11:31	2°♎37'00	
	-7054 Apr 24 j 17:24	30°℞♍	
opposition	-7054 May 13 j 15:33	27°♍38'43	0°30'26
min. Earth dist.	-7054 May 13 j 12:27	27°♍39'43	4.10973 AU
direct	-7054 Jul 12 j 06:23	22°♍45'47	
	-7054 Sep 20 j 12:32	0°♎	
desc. node	-7054 Oct 10 j 13:13	3°♎59'55	
evening set	-7054 Nov 12 j 19:12	11°♎30'21	
conjunction	-7054 Nov 25 j 18:31	14°♎33'52	-0°06'22
minimum elong	-7054 Nov 25 j 18:31	14°♎33'52	0°06'26
behind sun begin	-7054 Nov 25 j 10:52	14°♎29'21	
behind sun end	-7054 Nov 26 j 02:11	14°♎38'22	
max. Earth dist.	-7054 Nov 26 j 09:55	14°♎42'57	6.07612 AU
morning rise	-7054 Dec 08 j 20:49	17°♎39'06	
	-7053 Feb 04 j 09:44	0°♏	
retrograde	-7053 Apr 19 j 04:30	7°♏32'56	
opposition	-7053 Jun 18 j 20:14	2°♏30'47	-0°50'45
min. Earth dist.	-7053 Jun 18 j 03:14	2°♏36'25	4.05340 AU
	-7053 Jul 08 j 17:56	30°℞♎	
direct	-7053 Aug 16 j 10:05	27°♎37'20	
	-7053 Sep 23 j 13:53	0°♏	
	-7053 Dec 11 j 05:31	15°♏	
evening set	-7053 Dec 18 j 05:17	16°♏38'05	
conjunction	-7053 Dec 31 j 12:24	19°♏46'26	-0°57'20
minimum elong	-7053 Dec 31 j 12:20	19°♏46'23	0°57'41
max. Earth dist.	-7052 Jan 01 j 21:28	20°♏05'58	6.04313 AU
morning rise	-7052 Jan 13 j 23:06	22°♏56'35	
	-7052 Feb 14 j 01:50	0°♐	
retrograde	-7052 May 24 j 17:46	13°♐02'58	
opposition	-7052 Jul 23 j 19:26	7°♐58'11	-1°54'15
min. Earth dist.	-7052 Jul 22 j 17:30	8°♐06'59	4.04858 AU
direct	-7052 Sep 19 j 21:12	3°♐02'18	
evening set	-7051 Jan 22 j 21:28	22°♐10'40	
conjunction	-7051 Feb 05 j 10:57	25°♐20'34	-1°27'26
minimum elong	-7051 Feb 05 j 10:55	25°♐20'33	1°27'54
max. Earth dist.	-7051 Feb 07 j 03:36	25°♐44'20	6.06548 AU
morning rise	-7051 Feb 19 j 02:53	28°♐31'39	
	-7051 Feb 25 j 12:06	0°♑	
retrograde	-7051 Jun 29 j 08:04	18°♑16'30	
opposition	-7051 Aug 27 j 20:02	13°♑11'32	-2°14'59
min. Earth dist.	-7051 Aug 26 j 20:28	13°♑19'35	4.09670 AU
direct	-7051 Oct 25 j 06:44	8°♑12'13	
evening set	-7050 Feb 28 j 17:41	27°♑14'39	
	-7050 Mar 12 j 18:41	0°♒	
conjunction	-7050 Mar 14 j 11:04	0°♒23'09	-1°25'23
minimum elong	-7050 Mar 14 j 11:07	0°♒23'11	1°25'49
max. Earth dist.	-7050 Mar 15 j 19:53	0°♒41'58	6.13453 AU
morning rise	-7050 Mar 28 j 05:03	3°♒31'48	
	-7050 May 21 j 19:34	15°♒	
retrograde	-7050 Aug 02 j 07:17	22°♒29'37	
opposition	-7050 Sep 30 j 13:09	17°♒26'58	-1°47'42
min. Earth dist.	-7050 Sep 29 j 22:05	17°♒32'06	4.17939 AU
	-7050 Oct 19 j 09:25	15°℞♒	
direct	-7050 Nov 28 j 22:27	12°♒24'38	

	-7049 Jan 08 j 22:36	15°♒	
	-7049 Mar 31 j 09:40	0°♓	
evening set	-7049 Apr 05 j 15:56	1°♓10'14	
conjunction	-7049 Apr 19 j 09:07	4°♓14'56	-0°54'00
minimum elong	-7049 Apr 19 j 09:12	4°♓14'59	0°54'14
max. Earth dist.	-7049 Apr 19 j 21:03	4°♓21'39	6.22479 AU
morning rise	-7049 May 03 j 01:02	7°♓18'48	
retrograde	-7049 Sep 03 j 19:43	25°♓24'32	
opposition	-7049 Nov 02 j 02:13	20°♓25'34	-0°46'20
min. Earth dist.	-7049 Nov 02 j 01:38	20°♓25'45	4.26802 AU
direct	-7048 Jan 01 j 18:57	15°♓21'36	
	-7048 Apr 21 j 14:54	0°♈	
evening set	-7048 May 09 j 02:12	3°♈47'17	
conjunction	-7048 May 22 j 14:26	6°♈46'39	-0°06'12
minimum elong	-7048 May 22 j 14:26	6°♈46'40	0°06'12
behind sun begin	-7048 May 22 j 06:40	6°♈42'22	
behind sun end	-7048 May 22 j 22:13	6°♈50'57	
max. Earth dist.	-7048 May 22 j 05:23	6°♈41'39	6.30588 AU
morning rise	-7048 Jun 04 j 23:30	9°♈44'24	
asc. node	-7048 Jul 10 j 04:12	17°♈10'35	
retrograde	-7048 Oct 04 j 06:42	27°♈11'05	
opposition	-7048 Dec 02 j 22:19	22°♈15'52	0°27'00
min. Earth dist.	-7048 Dec 03 j 10:26	22°♈11'53	4.33511 AU
direct	-7047 Feb 02 j 16:48	17°♈12'01	
	-7047 May 16 j 20:52	0°♉	
evening set	-7047 Jun 11 j 00:48	5°♉22'18	
max. Earth dist.	-7047 Jun 22 j 23:59	8°♉00'32	6.35364 AU
conjunction	-7047 Jun 24 j 03:50	8°♉15'56	0°42'31
minimum elong	-7047 Jun 24 j 03:47	8°♉15'54	0°42'47
morning rise	-7047 Jul 07 j 03:30	11°♉07'52	
	-7047 Jul 25 j 01:01	15°♉	
retrograde	-7047 Nov 04 j 13:56	28°♉18'00	
opposition	-7046 Jan 03 j 17:07	23°♉25'31	1°31'03
min. Earth dist.	-7046 Jan 04 j 16:25	23°♉18'00	4.36126 AU
direct	-7046 Mar 07 j 04:54	18°♉23'15	
	-7046 Jun 12 j 14:06	0°♊	
evening set	-7046 Jul 12 j 20:02	6°♊26'15	
max. Earth dist.	-7046 Jul 24 j 01:14	8°♊55'29	6.35495 AU
conjunction	-7046 Jul 25 j 13:40	9°♊15'45	1°18'25
minimum elong	-7046 Jul 25 j 13:36	9°♊15'43	1°18'50
morning rise	-7046 Aug 07 j 04:19	12°♊03'51	
retrograde	-7046 Dec 06 j 07:44	29°♊21'55	
opposition	-7045 Feb 05 j 01:12	24°♊30'26	2°09'06
min. Earth dist.	-7045 Feb 06 j 03:20	24°♊22'07	4.33914 AU
direct	-7045 Apr 08 j 12:41	19°♊30'48	
	-7045 Jul 08 j 13:56	0°♋	
evening set	-7045 Aug 13 j 02:01	7°♋35'14	
max. Earth dist.	-7045 Aug 24 j 02:48	10°♋04'11	6.31009 AU
conjunction	-7045 Aug 25 j 13:30	10°♋23'46	1°31'51
minimum elong	-7045 Aug 25 j 13:30	10°♋23'46	1°32'19
morning rise	-7045 Sep 06 j 23:25	13°♋11'40	
	-7045 Dec 13 j 22:15	0°♌	
retrograde	-7044 Jan 08 j 07:21	0°♌59'07	
	-7044 Feb 02 j 17:30	30°℞♋	
opposition	-7044 Mar 09 j 10:08	26°♋06'47	2°10'04
min. Earth dist.	-7044 Mar 10 j 09:03	25°♋59'31	4.27469 AU
direct	-7044 May 10 j 07:44	21°♋10'09	
	-7044 Jul 30 j 13:36	0°♌	
evening set	-7044 Sep 12 j 11:34	9°♌23'35	
conjunction	-7044 Sep 24 j 22:42	12°♌15'08	1°18'06
minimum elong	-7044 Sep 24 j 22:46	12°♌15'10	1°18'29

Attention, astronomical year style is used: The year -7044 in astronomical counting style is the year 7045 BCE in historical counting style.

max. Earth dist.	-7044 Sep 23 j 22:15	12°♌01'05	6.23124 AU
	-7044 Oct 06 j 21:57	15°♌	
morning rise	-7044 Oct 07 j 10:14	15°♌07'01	
	-7044 Dec 22 j 17:06	0°♍	
retrograde	-7043 Feb 10 j 17:19	3°♍38'51	
	-7043 Apr 02 j 23:57	30°℞♌	
opposition	-7043 Apr 13 j 00:48	28°♌43'49	1°30'34
min. Earth dist.	-7043 Apr 13 j 11:08	28°♌40'31	4.18620 AU
direct	-7043 Jun 12 j 18:34	23°♌49'45	
	-7043 Aug 17 j 03:17	0°♍	
evening set	-7043 Oct 14 j 19:01	12°♍18'01	
conjunction	-7043 Oct 27 j 11:24	15°♍15'37	0°39'14
minimum elong	-7043 Oct 27 j 11:27	15°♍15'39	0°39'24
max. Earth dist.	-7043 Oct 27 j 07:23	15°♍13'16	6.14176 AU
morning rise	-7043 Nov 09 j 05:41	18°♍14'25	
	-7042 Jan 03 j 08:49	0°♎	
retrograde	-7042 Mar 18 j 15:08	7°♎34'39	
opposition	-7042 May 18 j 17:26	2°♎35'49	0°19'07
min. Earth dist.	-7042 May 18 j 12:56	2°♎37'17	4.10194 AU
	-7042 Jun 08 j 18:43	30°℞♍	
direct	-7042 Jul 17 j 05:19	27°♍42'58	
desc. node	-7042 Aug 20 j 00:32	29°♍33'23	
	-7042 Aug 24 j 00:34	0°♎	
evening set	-7042 Nov 17 j 16:04	16°♎29'04	
conjunction	-7042 Nov 30 j 16:21	19°♎33'16	-0°14'03
minimum elong	-7042 Nov 30 j 16:20	19°♎33'15	0°14'09
behind sun begin	-7042 Nov 30 j 12:17	19°♎30'52	
behind sun end	-7042 Nov 30 j 20:23	19°♎35'38	
max. Earth dist.	-7042 Dec 01 j 09:23	19°♎43'19	6.07083 AU
morning rise	-7042 Dec 13 j 20:01	22°♎39'18	
	-7041 Jan 15 j 07:15	0°♏	
retrograde	-7041 Apr 24 j 06:39	12°♏35'51	
opposition	-7041 Jun 23 j 21:27	7°♏33'14	-1°01'24
min. Earth dist.	-7041 Jun 23 j 02:02	7°♏39'42	4.05135 AU
direct	-7041 Aug 21 j 07:54	2°♏39'34	
	-7041 Nov 23 j 21:51	15°♏	
evening set	-7041 Dec 23 j 06:36	21°♏41'26	
conjunction	-7040 Jan 05 j 14:47	24°♏50'08	-1°03'11
minimum elong	-7040 Jan 05 j 14:42	24°♏50'05	1°03'32
max. Earth dist.	-7040 Jan 07 j 01:53	25°♏10'52	6.04438 AU
morning rise	-7040 Jan 19 j 02:14	28°♏00'33	
	-7040 Jan 27 j 15:37	0°♐	
retrograde	-7040 May 29 j 19:05	18°♐05'38	
opposition	-7040 Jul 28 j 18:10	13°♐00'41	-2°00'02
min. Earth dist.	-7040 Jul 27 j 17:01	13°♐09'13	4.05308 AU
direct	-7040 Sep 24 j 20:47	8°♐04'22	
evening set	-7039 Jan 28 j 00:38	27°♐12'33	
	-7039 Feb 09 j 00:22	0°♑	
conjunction	-7039 Feb 10 j 14:50	0°♑22'26	-1°29'08
minimum elong	-7039 Feb 10 j 14:49	0°♑22'25	1°29'37
max. Earth dist.	-7039 Feb 12 j 07:28	0°♑46'07	6.07271 AU
morning rise	-7039 Feb 24 j 07:18	3°♑33'22	
retrograde	-7039 Jul 04 j 03:41	23°♑13'00	
opposition	-7039 Sep 01 j 14:34	18°♑08'17	-2°13'53
min. Earth dist.	-7039 Aug 31 j 15:21	18°♑16'14	4.10606 AU
direct	-7039 Oct 30 j 02:45	13°♑08'32	
	-7038 Feb 24 j 06:05	0°♒	
evening set	-7038 Mar 05 j 19:30	2°♒09'31	
conjunction	-7038 Mar 19 j 13:02	5°♒17'40	-1°22'32
minimum elong	-7038 Mar 19 j 13:06	5°♒17'42	1°22'56
max. Earth dist.	-7038 Mar 20 j 18:00	5°♒34'14	6.14517 AU
morning rise	-7038 Apr 02 j 07:08	8°♒25'53	
	-7038 May 02 j 04:04	15°♒	
retrograde	-7038 Aug 06 j 22:57	27°♒17'01	
opposition	-7038 Oct 05 j 03:48	22°♒14'50	-1°40'42
min. Earth dist.	-7038 Oct 04 j 15:22	22°♒19'04	4.19008 AU
direct	-7038 Dec 03 j 18:06	17°♒12'09	
	-7037 Mar 14 j 06:09	0°♓	
evening set	-7037 Apr 10 j 13:48	5°♓55'48	
conjunction	-7037 Apr 24 j 06:50	9°♓00'01	-0°47'54
minimum elong	-7037 Apr 24 j 06:54	9°♓00'03	0°48'06
max. Earth dist.	-7037 Apr 24 j 16:56	9°♓05'41	6.23493 AU
morning rise	-7037 May 07 j 21:59	12°♓03'11	
	-7037 Sep 02 j 12:20	0°♈	
retrograde	-7037 Sep 08 j 07:11	0°♈03'19	
	-7037 Sep 14 j 01:29	30°℞♓	
opposition	-7037 Nov 06 j 14:25	25°♓04'57	-0°36'12
min. Earth dist.	-7037 Nov 06 j 14:59	25°♓04'45	4.27668 AU
direct	-7036 Jan 06 j 09:43	20°♓00'57	
	-7036 Apr 03 j 14:27	0°♈	
evening set	-7036 May 13 j 19:46	8°♈25'04	
asc. node	-7036 May 19 j 02:49	9°♈35'08	
conjunction	-7036 May 27 j 06:49	11°♈23'44	0°01'04
minimum elong	-7036 May 27 j 06:49	11°♈23'44	0°01'07
behind sun begin	-7036 May 26 j 22:35	11°♈19'12	
behind sun end	-7036 May 27 j 15:02	11°♈28'16	
max. Earth dist.	-7036 May 26 j 17:38	11°♈16'26	6.31244 AU
morning rise	-7036 Jun 09 j 14:54	14°♈20'47	
	-7036 Sep 05 j 11:09	0°♉	
retrograde	-7036 Oct 08 j 18:36	1°♉44'39	
	-7036 Nov 11 j 01:50	30°℞♈	
opposition	-7036 Dec 07 j 10:25	26°♈49'55	0°37'05
min. Earth dist.	-7036 Dec 08 j 00:56	26°♈45'09	4.33924 AU
direct	-7035 Feb 07 j 08:22	21°♈46'14	
	-7035 Apr 28 j 00:36	0°♉	
evening set	-7035 Jun 15 j 14:36	9°♉55'44	
conjunction	-7035 Jun 28 j 16:27	12°♉48'47	0°48'40
minimum elong	-7035 Jun 28 j 16:23	12°♉48'45	0°48'57
max. Earth dist.	-7035 Jun 27 j 12:13	12°♉33'10	6.35508 AU
	-7035 Jul 08 j 13:51	15°♉	
morning rise	-7035 Jul 11 j 14:37	15°♉40'04	
	-7035 Sep 26 j 19:00	0°♊	
retrograde	-7035 Nov 09 j 00:42	2°♊50'22	
	-7035 Dec 22 j 23:21	30°℞♉	
opposition	-7034 Jan 08 j 06:32	27°♉58'09	1°38'22
min. Earth dist.	-7034 Jan 09 j 05:22	27°♉50'48	4.36036 AU
direct	-7034 Mar 11 j 17:45	22°♉56'17	
	-7034 May 24 j 00:04	0°♊	
evening set	-7034 Jul 17 j 07:36	10°♊59'06	
max. Earth dist.	-7034 Jul 28 j 11:25	13°♊27'50	6.35180 AU
conjunction	-7034 Jul 29 j 23:58	13°♊48'12	1°21'50
minimum elong	-7034 Jul 29 j 23:54	13°♊48'10	1°22'17
morning rise	-7034 Aug 11 j 13:41	16°♊36'01	
	-7034 Oct 20 j 02:19	0°♋	
retrograde	-7034 Dec 10 j 23:30	3°♋56'41	
	-7033 Feb 02 j 12:07	30°℞♊	
opposition	-7033 Feb 09 j 17:37	29°♊05'13	2°11'37
min. Earth dist.	-7033 Feb 10 j 20:10	28°♊56'46	4.33402 AU
direct	-7033 Apr 13 j 05:04	24°♊06'01	
	-7033 Jun 17 j 23:55	0°♋	
evening set	-7033 Aug 17 j 12:20	12°♋10'28	
conjunction	-7033 Aug 29 j 23:24	14°♋59'06	1°31'33
minimum elong	-7033 Aug 29 j 23:25	14°♋59'06	1°32'00
max. Earth dist.	-7033 Aug 28 j 13:50	14°♋40'06	6.30335 AU

Attention, astronomical year style is used: The year -7033 in astronomical counting style is the year 7034 BCE in historical counting style.

morning rise	-7033 Sep 11 j 09:10	17°♋47'12	
	-7033 Nov 10 j 19:29	0°♌	
retrograde	-7032 Jan 13 j 00:19	5°♌39'02	
opposition	-7032 Mar 14 j 05:37	0°♌46'21	2°06'48
min. Earth dist.	-7032 Mar 15 j 02:01	0°♌39'52	4.26675 AU
	-7032 Mar 20 j 08:14	30°℞♋	
direct	-7032 May 14 j 23:25	25°♋50'07	
	-7032 Jul 07 j 17:41	0°♌	
evening set	-7032 Sep 16 j 22:51	14°♌03'54	
	-7032 Sep 21 j 00:52	15°♌	
conjunction	-7032 Sep 29 j 10:23	16°♌55'57	1°13'59
minimum elong	-7032 Sep 29 j 10:27	16°♌55'59	1°14'20
max. Earth dist.	-7032 Sep 28 j 13:22	16°♌43'51	6.22286 AU
morning rise	-7032 Oct 11 j 22:24	19°♌48'26	
	-7032 Nov 28 j 15:58	0°♍	
retrograde	-7031 Feb 15 j 15:46	8°♍25'28	
opposition	-7031 Apr 17 j 23:00	3°♍29'57	1°22'05
min. Earth dist.	-7031 Apr 18 j 08:20	3°♍26'58	4.17765 AU
	-7031 May 18 j 10:56	30°℞♌	
direct	-7031 Jun 17 j 14:24	28°♌36'06	
	-7031 Jul 17 j 10:25	0°♍	
evening set	-7031 Oct 19 j 09:29	17°♍05'13	
conjunction	-7031 Nov 01 j 02:43	20°♍03'33	0°32'20
minimum elong	-7031 Nov 01 j 02:45	20°♍03'35	0°32'27
max. Earth dist.	-7031 Nov 01 j 00:25	20°♍02'13	6.13388 AU
morning rise	-7031 Nov 13 j 22:17	23°♍03'15	
	-7031 Dec 14 j 20:10	0°♎	
retrograde	-7030 Mar 23 j 14:16	12°♎28'07	
opposition	-7030 May 23 j 16:42	7°♎28'43	0°07'51
min. Earth dist.	-7030 May 23 j 09:24	7°♎31'06	4.09535 AU
desc. node	-7030 Jun 30 j 19:34	3°♎20'00	
direct	-7030 Jul 22 j 00:04	2°♎35'48	
evening set	-7030 Nov 22 j 11:09	21°♎23'22	
conjunction	-7030 Dec 05 j 12:36	24°♎28'15	-0°21'31
minimum elong	-7030 Dec 05 j 12:34	24°♎28'14	0°21'40
max. Earth dist.	-7030 Dec 06 j 08:30	24°♎40'00	6.06609 AU
morning rise	-7030 Dec 18 j 17:19	27°♎34'57	
	-7030 Dec 29 j 02:44	0°♏	
	-7029 Mar 19 j 04:38	15°♏	
retrograde	-7029 Apr 29 j 08:13	17°♏34'07	
	-7029 Jun 09 j 09:11	15°℞♏	
opposition	-7029 Jun 28 j 20:29	12°♏31'02	-1°11'24
min. Earth dist.	-7029 Jun 28 j 00:57	12°♏37'34	4.04890 AU
direct	-7029 Aug 26 j 05:45	7°♏37'03	
	-7029 Nov 04 j 10:05	15°♏	
evening set	-7029 Dec 28 j 06:23	26°♏40'26	
conjunction	-7028 Jan 10 j 15:30	29°♏49'30	-1°08'26
minimum elong	-7028 Jan 10 j 15:25	29°♏49'28	1°08'49
	-7028 Jan 11 j 09:18	0°♐	
max. Earth dist.	-7028 Jan 12 j 03:46	0°♐10'53	6.04432 AU
morning rise	-7028 Jan 24 j 03:52	3°♐00'16	
retrograde	-7028 Jun 03 j 17:40	23°♐04'16	
opposition	-7028 Aug 02 j 14:51	17°♐59'15	-2°04'51
min. Earth dist.	-7028 Aug 01 j 13:14	18°♐07'57	4.05581 AU
direct	-7028 Sep 29 j 16:37	13°♐02'29	
	-7027 Jan 23 j 14:31	0°♑	
evening set	-7027 Feb 02 j 03:04	2°♑11'24	
conjunction	-7027 Feb 15 j 17:51	5°♑21'19	-1°30'09
minimum elong	-7027 Feb 15 j 17:50	5°♑21'18	1°30'38
max. Earth dist.	-7027 Feb 17 j 08:08	5°♑43'36	6.07781 AU
morning rise	-7027 Mar 01 j 10:52	8°♑32'12	
retrograde	-7027 Jul 08 j 22:53	28°♑07'24	
min. Earth dist.	-7027 Sep 05 j 10:26	23°♑10'18	4.11304 AU
opposition	-7027 Sep 06 j 08:08	23°♑02'53	-2°11'51
direct	-7027 Nov 03 j 23:32	18°♑02'37	
	-7026 Feb 06 j 18:34	0°♒	
evening set	-7026 Mar 10 j 20:50	7°♒03'00	
conjunction	-7026 Mar 24 j 14:50	10°♒10'57	-1°19'05
minimum elong	-7026 Mar 24 j 14:55	10°♒11'00	1°19'29
max. Earth dist.	-7026 Mar 25 j 18:59	10°♒27'01	6.15376 AU
morning rise	-7026 Apr 07 j 08:45	13°♒18'45	
	-7026 Apr 14 j 20:38	15°♒	
	-7026 Jul 06 j 13:14	0°♓	
retrograde	-7026 Aug 11 j 14:33	2°♓03'47	
	-7026 Sep 16 j 08:26	30°℞♒	
opposition	-7026 Oct 09 j 18:27	27°♒02'06	-1°33'01
min. Earth dist.	-7026 Oct 09 j 07:14	27°♒05'55	4.19941 AU
direct	-7026 Dec 08 j 11:30	21°♒59'11	
	-7025 Feb 22 j 22:44	0°♓	
evening set	-7025 Apr 15 j 11:47	10°♓41'07	
conjunction	-7025 Apr 29 j 04:11	13°♓44'44	-0°41'29
minimum elong	-7025 Apr 29 j 04:15	13°♓44'46	0°41'40
max. Earth dist.	-7025 Apr 29 j 10:11	13°♓48'06	6.24437 AU
morning rise	-7025 May 12 j 18:49	16°♓47'16	
	-7025 Jul 18 j 18:16	0°♈	
retrograde	-7025 Sep 12 j 19:08	4°♈42'00	
	-7025 Nov 09 j 03:24	30°℞♓	
opposition	-7025 Nov 11 j 03:03	29°♓44'06	-0°25'49
min. Earth dist.	-7025 Nov 11 j 05:41	29°♓43'13	4.28545 AU
direct	-7024 Jan 11 j 02:40	24°♓40'00	
	-7024 Mar 13 j 00:48	0°♈	
asc. node	-7024 Mar 27 j 20:11	2°♈29'22	
evening set	-7024 May 18 j 13:09	13°♈02'10	
conjunction	-7024 May 31 j 23:12	16°♈00'04	0°08'15
minimum elong	-7024 May 31 j 23:11	16°♈00'04	0°08'20
behind sun begin	-7024 May 31 j 16:00	15°♈56'06	
behind sun end	-7024 Jun 01 j 06:22	16°♈04'02	
max. Earth dist.	-7024 May 31 j 09:17	15°♈52'23	6.31998 AU
morning rise	-7024 Jun 14 j 05:50	18°♈56'16	
	-7024 Aug 08 j 02:51	0°♉	
retrograde	-7024 Oct 13 j 04:04	6°♉16'49	
opposition	-7024 Dec 11 j 22:10	1°♉22'29	0°46'56
min. Earth dist.	-7024 Dec 12 j 13:16	1°♉17'33	4.34500 AU
	-7024 Dec 22 j 13:54	30°℞♈	
direct	-7023 Feb 11 j 21:54	26°♈19'00	
	-7023 Apr 04 j 04:30	0°♉	
evening set	-7023 Jun 20 j 03:44	14°♉26'51	
	-7023 Jun 22 j 16:06	15°♉	
max. Earth dist.	-7023 Jul 01 j 21:03	17°♉02'01	6.35825 AU
conjunction	-7023 Jul 03 j 04:00	17°♉19'08	0°54'30
minimum elong	-7023 Jul 03 j 03:55	17°♉19'06	0°54'48
morning rise	-7023 Jul 16 j 00:59	20°♉09'45	
	-7023 Sep 02 j 02:26	0°♊	
retrograde	-7023 Nov 13 j 12:39	7°♊19'41	
opposition	-7022 Jan 12 j 19:27	2°♊27'38	1°45'03
min. Earth dist.	-7022 Jan 13 j 19:54	2°♊19'47	4.36067 AU
	-7022 Feb 01 j 20:40	30°℞♉	
direct	-7022 Mar 16 j 08:41	27°♉26'02	
	-7022 Apr 27 j 18:38	0°♊	
evening set	-7022 Jul 21 j 17:26	15°♊28'07	
max. Earth dist.	-7022 Aug 01 j 20:59	17°♊56'52	6.34885 AU
conjunction	-7022 Aug 03 j 08:53	18°♊16'53	1°24'46
minimum elong	-7022 Aug 03 j 08:50	18°♊16'52	1°25'14
morning rise	-7022 Aug 15 j 21:35	21°♊04'26	

Attention, astronomical year style is used: The year -7022 in astronomical counting style is the year 7023 BCE in historical counting style.

	-7022 Sep	27 j 14:24	0°♋			-7015 Jan	05 j 12:32	0°♂	
retrograde	-7022 Dec	15 j 11:35	8°♋27'50		evening set	-7015 Feb	07 j 09:31	7°♂20'33	
opposition	-7021 Feb	14 j 08:49	3°♋36'17	2°13'21					
min. Earth dist.	-7021 Feb	15 j 10:18	3°♋28'12	4.32800 AU	conjunction	-7015 Feb	21 j 01:07	10°♂30'25	-1°30'34
	-7021 Mar	18 j 05:06	30°℞♊		minimum elong	-7015 Feb	21 j 01:07	10°♂30'25	1°31'01
direct	-7021 Apr	17 j 17:50	28°♊37'31		max. Earth dist.	-7015 Feb	22 j 16:52	10°♂53'30	6.08625 AU
	-7021 May	18 j 07:01	0°♋		morning rise	-7015 Mar	06 j 18:22	13°♂41'03	
evening set	-7021 Aug	21 j 21:42	16°♋42'31			-7015 May	29 j 14:58	0°♒	
max. Earth dist.	-7021 Sep	01 j 23:33	19°♋12'44	6.29457 AU	retrograde	-7015 Jul	13 j 21:15	3°♒09'57	
						-7015 Aug	27 j 21:47	30°℞♂	
conjunction	-7021 Sep	03 j 08:21	19°♋31'19	1°30'44	min. Earth dist.	-7015 Sep	10 j 07:36	28°♂12'57	4.12530 AU
minimum elong	-7021 Sep	03 j 08:22	19°♋31'20	1°31'11	opposition	-7015 Sep	11 j 04:38	28°♂05'46	-2°08'48
morning rise	-7021 Sep	15 j 18:04	22°♋19'46		direct	-7015 Nov	08 j 22:46	23°♂05'10	
	-7021 Oct	21 j 07:57	0°♌			-7014 Jan	17 j 01:45	0°♒	
retrograde	-7020 Jan	17 j 19:26	10°♌16'58		evening set	-7014 Mar	16 j 00:40	12°♒02'38	
opposition	-7020 Mar	19 j 00:33	5°♌24'01	2°02'49					
min. Earth dist.	-7020 Mar	19 j 20:56	5°♌17'32	4.25551 AU	conjunction	-7014 Mar	29 j 18:33	15°♒09'57	-1°15'04
direct	-7020 May	19 j 16:34	0°♌28'07		minimum elong	-7014 Mar	29 j 18:37	15°♒09'59	1°15'25
	-7020 Sep	04 j 21:22	15°♌			-7014 Mar	29 j 01:04	15°♒	
evening set	-7020 Sep	21 j 10:10	18°♌43'45		max. Earth dist.	-7014 Mar	30 j 19:43	15°♒24'15	6.16903 AU
					morning rise	-7014 Apr	12 j 12:23	18°♒16'59	
conjunction	-7020 Oct	03 j 22:17	21°♌36'35	1°09'24		-7014 Jun	08 j 01:56	0°♓	
minimum elong	-7020 Oct	03 j 22:21	21°♌36'37	1°09'44	retrograde	-7014 Aug	16 j 04:24	6°♓53'13	
max. Earth dist.	-7020 Oct	03 j 02:55	21°♌25'24	6.21021 AU	opposition	-7014 Oct	14 j 09:48	1°♓51'59	-1°24'41
morning rise	-7020 Oct	16 j 11:09	24°♌29'59		min. Earth dist.	-7014 Oct	13 j 23:49	1°♓55'22	4.21624 AU
	-7020 Nov	10 j 01:07	0°♍			-7014 Oct	28 j 13:06	30°℞♒	
retrograde	-7019 Feb	20 j 13:50	13°♍13'55		direct	-7014 Dec	13 j 07:31	26°♒48'46	
opposition	-7019 Apr	22 j 21:46	8°♍17'56	1°13'01		-7013 Jan	28 j 11:18	0°♓	
min. Earth dist.	-7019 Apr	23 j 04:22	8°♍15'49	4.16444 AU	evening set	-7013 Apr	20 j 09:11	15°♓26'05	
direct	-7019 Jun	22 j 07:45	3°♍24'20						
evening set	-7019 Oct	24 j 01:39	21°♍56'20		conjunction	-7013 May	04 j 00:59	18°♓28'42	-0°34'52
					minimum elong	-7013 May	04 j 01:02	18°♓28'44	0°35'01
conjunction	-7019 Nov	05 j 19:59	24°♍55'42	0°25'07	max. Earth dist.	-7013 May	04 j 05:20	18°♓31'08	6.26175 AU
minimum elong	-7019 Nov	05 j 20:01	24°♍55'43	0°25'13	morning rise	-7013 May	17 j 14:30	21°♓30'04	
max. Earth dist.	-7019 Nov	05 j 20:47	24°♍56'10	6.12133 AU		-7013 Jun	26 j 22:42	0°♈	
morning rise	-7019 Nov	18 j 16:46	27°♍56'30		retrograde	-7013 Sep	17 j 04:29	9°♈16'46	
	-7019 Nov	27 j 14:14	0°♎		opposition	-7013 Nov	15 j 14:03	4°♈19'24	-0°15'31
retrograde	-7018 Mar	28 j 19:10	17°♎28'01		min. Earth dist.	-7013 Nov	15 j 18:26	4°♈17'56	4.30172 AU
desc. node	-7018 May	10 j 21:39	14°♎43'14			-7013 Dec	24 j 22:25	30°℞♓	
opposition	-7018 May	28 j 18:32	12°♎28'05	-0°03'42	direct	-7012 Jan	15 j 18:10	29°♓15'19	
min. Earth dist.	-7018 May	28 j 10:07	12°♎30'50	4.08440 AU	asc. node	-7012 Feb	06 j 04:58	29°♓57'31	
direct	-7018 Jul	26 j 22:39	7°♎35'08			-7012 Feb	06 j 20:14	0°♈	
evening set	-7018 Nov	27 j 09:57	26°♎26'02		evening set	-7012 May	23 j 03:20	17°♈32'47	
conjunction	-7018 Dec	10 j 12:37	29°♎31'49	-0°29'02	conjunction	-7012 Jun	05 j 11:58	20°♈29'33	0°15'08
minimum elong	-7018 Dec	10 j 12:34	29°♎31'47	0°29'13	minimum elong	-7012 Jun	05 j 11:57	20°♈29'33	0°15'15
max. Earth dist.	-7018 Dec	11 j 11:21	29°♎45'16	6.05777 AU	behind sun begin	-7012 Jun	05 j 09:34	20°♈28'14	
	-7018 Dec	12 j 12:15	0°♏		behind sun end	-7012 Jun	05 j 14:20	20°♈30'51	
morning rise	-7018 Dec	23 j 18:37	2°♏39'27		max. Earth dist.	-7012 Jun	04 j 18:00	20°♈19'38	6.33372 AU
	-7017 Feb	19 j 02:46	15°♏		morning rise	-7012 Jun	18 j 17:21	23°♈24'38	
retrograde	-7017 May	04 j 12:40	22°♏42'11			-7012 Jul	19 j 19:08	0°♉	
opposition	-7017 Jul	03 j 22:46	17°♏38'47	-1°21'12	retrograde	-7012 Oct	17 j 10:22	10°♉40'21	
min. Earth dist.	-7017 Jul	03 j 01:30	17°♏45'54	4.04440 AU	opposition	-7012 Dec	16 j 06:45	5°♉46'21	0°56'06
	-7017 Jul	24 j 20:39	15°℞♏		min. Earth dist.	-7012 Dec	17 j 00:01	5°♉40'43	4.35528 AU
direct	-7017 Aug	31 j 04:30	12°♏44'34		direct	-7011 Feb	16 j 10:24	0°♉42'57	
	-7017 Oct	07 j 06:43	15°♏			-7011 Jun	06 j 21:42	15°♉	
	-7017 Dec	25 j 13:29	0°♐		evening set	-7011 Jun	24 j 11:59	18°♉47'41	
evening set	-7016 Jan	02 j 11:04	1°♐50'29		max. Earth dist.	-7011 Jul	06 j 03:16	21°♉21'36	6.36410 AU
conjunction	-7016 Jan	15 j 21:04	4°♐59'58	-1°13'22	conjunction	-7011 Jul	07 j 10:58	21°♉39'09	0°59'45
minimum elong	-7016 Jan	15 j 21:00	4°♐59'55	1°13'46	minimum elong	-7011 Jul	07 j 10:54	21°♉39'06	1°00'06
max. Earth dist.	-7016 Jan	17 j 09:49	5°♐21'38	6.04389 AU	morning rise	-7011 Jul	20 j 06:25	24°♉28'55	
morning rise	-7016 Jan	29 j 10:23	8°♐11'06			-7011 Aug	15 j 01:17	0°♊	
retrograde	-7016 Jun	08 j 20:11	28°♐13'48		retrograde	-7011 Nov	17 j 17:46	11°♊38'03	
opposition	-7016 Aug	07 j 15:18	23°♐08'44	-2°08'54	opposition	-7010 Jan	17 j 03:50	6°♊46'11	1°50'49
min. Earth dist.	-7016 Aug	06 j 13:28	23°♐17'32	4.05980 AU	min. Earth dist.	-7010 Jan	18 j 05:07	6°♊38'05	4.36181 AU
direct	-7016 Oct	04 j 18:22	18°♐11'32		direct	-7010 Mar	20 j 17:40	1°♊44'53	

Attention, astronomical year style is used: The year -7010 in astronomical counting style is the year 7011 BCE in historical counting style.

evening set	-7010 Jul 25 j 22:45	19°♊46'08		
max. Earth dist.	-7010 Aug 05 j 22:48	22°♊13'13	6.34486 AU	
conjunction	-7010 Aug 07 j 13:05	22°♊34'37	1°27'05	
minimum elong	-7010 Aug 07 j 13:03	22°♊34'35	1°27'33	
morning rise	-7010 Aug 20 j 01:10	25°♊22'00		
	-7010 Sep 10 j 08:01	0°♋		
retrograde	-7010 Dec 19 j 22:20	12°♋48'49		
opposition	-7009 Feb 18 j 20:04	7°♋57'11	2°14'17	
min. Earth dist.	-7009 Feb 19 j 22:48	7°♋48'41	4.31912 AU	
direct	-7009 Apr 22 j 04:39	2°♋58'41		
evening set	-7009 Aug 26 j 02:59	21°♋05'21		
max. Earth dist.	-7009 Sep 06 j 05:52	23°♋36'33	6.28146 AU	
conjunction	-7009 Sep 07 j 13:42	23°♋54'39	1°29'24	
minimum elong	-7009 Sep 07 j 13:43	23°♋54'40	1°29'51	
morning rise	-7009 Sep 19 j 23:27	26°♋43'40		
	-7009 Oct 04 j 15:19	0°♌		
retrograde	-7008 Jan 22 j 10:11	14°♌47'55		
opposition	-7008 Mar 23 j 16:39	9°♌54'39	1°58'14	
min. Earth dist.	-7008 Mar 24 j 11:31	9°♌48'39	4.23905 AU	
direct	-7008 May 24 j 03:51	4°♌59'07		
	-7008 Aug 18 j 19:11	15°♌		
evening set	-7008 Sep 25 j 19:36	23°♌18'32		
conjunction	-7008 Oct 08 j 08:19	26°♌12'25	1°04'29	
minimum elong	-7008 Oct 08 j 08:23	26°♌12'27	1°04'46	
max. Earth dist.	-7008 Oct 07 j 14:26	26°♌02'02	6.19185 AU	
morning rise	-7008 Oct 20 j 22:11	29°♌07'02		
	-7008 Oct 24 j 18:28	0°♍		
retrograde	-7007 Feb 25 j 14:10	18°♍00'08		
opposition	-7007 Apr 27 j 19:47	13°♍03'39	1°03'35	
min. Earth dist.	-7007 Apr 28 j 01:07	13°♍01'56	4.14540 AU	
direct	-7007 Jun 27 j 01:28	8°♍10'12		
evening set	-7007 Oct 28 j 18:11	26°♍47'18		
conjunction	-7007 Nov 10 j 13:49	29°♍48'00	0°17'46	
minimum elong	-7007 Nov 10 j 13:50	29°♍48'01	0°17'50	
max. Earth dist.	-7007 Nov 10 j 18:09	29°♍50'32	6.10358 AU	
	-7007 Nov 11 j 10:13	0°♎		
morning rise	-7007 Nov 23 j 12:00	2°♎50'12		
desc. node	-7006 Mar 21 j 03:33	22°♎14'26		
retrograde	-7006 Apr 02 j 23:40	22°♎29'58		
opposition	-7006 Jun 02 j 21:01	17°♎29'30	-0°15'17	
min. Earth dist.	-7006 Jun 02 j 09:55	17°♎33'09	4.06977 AU	
direct	-7006 Jul 31 j 19:44	12°♎36'34		
	-7006 Nov 25 j 21:30	0°♏		
evening set	-7006 Dec 02 j 10:48	1°♏32'09		
conjunction	-7006 Dec 15 j 14:35	4°♏38'54	-0°36'22	
minimum elong	-7006 Dec 15 j 14:32	4°♏38'52	0°36'36	
max. Earth dist.	-7006 Dec 16 j 15:51	4°♏53'52	6.04742 AU	
morning rise	-7006 Dec 28 j 21:57	7°♏47'33		
	-7005 Jan 29 j 15:44	15°♏		
retrograde	-7005 May 09 j 18:35	27°♏54'13		
min. Earth dist.	-7005 Jul 08 j 03:30	22°♏58'09	4.03953 AU	
opposition	-7005 Jul 09 j 02:42	22°♏50'20	-1°30'27	
direct	-7005 Sep 05 j 06:58	17°♏55'46		
	-7005 Dec 07 j 14:02	0°♐		
evening set	-7004 Jan 07 j 17:37	7°♐03'57		
conjunction	-7004 Jan 21 j 04:42	10°♐13'49	-1°17'46	
minimum elong	-7004 Jan 21 j 04:38	10°♐13'47	1°18'12	
max. Earth dist.	-7004 Jan 22 j 21:10	10°♐37'38	6.04471 AU	
morning rise	-7004 Feb 03 j 18:40	13°♐25'11		
	-7004 Apr 27 j 15:11	0°♑		
retrograde	-7004 Jun 14 j 00:27	3°♑25'17		
	-7004 Jul 31 j 06:02	30°℞♐		
opposition	-7004 Aug 12 j 16:40	28°♐20'07	-2°11'56	
min. Earth dist.	-7004 Aug 11 j 14:49	28°♐28'55	4.06620 AU	
direct	-7004 Oct 09 j 20:54	23°♐22'25		
	-7004 Dec 15 j 09:25	0°♑		
evening set	-7003 Feb 12 j 17:03	12°♑30'20		
conjunction	-7003 Feb 26 j 09:00	15°♑39'54	-1°30'15	
minimum elong	-7003 Feb 26 j 09:01	15°♑39'54	1°30'43	
max. Earth dist.	-7003 Feb 27 j 23:08	16°♑01'58	6.09704 AU	
morning rise	-7003 Mar 12 j 02:42	18°♑50'08		
	-7003 May 03 j 10:27	0°♒		
retrograde	-7003 Jul 18 j 16:54	8°♒11'33		
min. Earth dist.	-7003 Sep 15 j 04:13	3°♒14'36	4.13902 AU	
opposition	-7003 Sep 16 j 00:45	3°♒07'35	-2°04'48	
	-7003 Oct 10 j 20:40	30°℞♑		
direct	-7003 Nov 13 j 21:52	28°♑06'30		
	-7003 Dec 18 j 09:06	0°♒		
	-7002 Mar 12 j 04:27	15°♒		
evening set	-7002 Mar 21 j 04:01	17°♒00'40		
conjunction	-7002 Apr 03 j 21:56	20°♒07'19	-1°10'30	
minimum elong	-7002 Apr 03 j 22:01	20°♒07'22	1°10'50	
max. Earth dist.	-7002 Apr 04 j 21:01	20°♒20'24	6.18445 AU	
morning rise	-7002 Apr 17 j 15:18	23°♒13'31		
	-7002 May 18 j 18:53	0°♓		
retrograde	-7002 Aug 20 j 20:06	11°♓41'20		
opposition	-7002 Oct 19 j 01:13	6°♓40'38	-1°15'48	
min. Earth dist.	-7002 Oct 18 j 17:45	6°♓43'10	4.23149 AU	
direct	-7002 Dec 18 j 03:56	1°♓37'14		
evening set	-7001 Apr 25 j 06:25	20°♓10'44		
conjunction	-7001 May 08 j 21:25	23°♓12'28	-0°27'59	
minimum elong	-7001 May 08 j 21:27	23°♓12'30	0°28'06	
max. Earth dist.	-7001 May 08 j 22:01	23°♓12'49	6.27558 AU	
morning rise	-7001 May 22 j 10:00	26°♓12'53		
	-7001 Jun 08 j 19:03	0°♈		
retrograde	-7001 Sep 21 j 14:19	13°♈53'24		
opposition	-7001 Nov 20 j 02:10	8°♈56'33	-0°05'01	
min. Earth dist.	-7001 Nov 20 j 08:18	8°♈54'31	4.31311 AU	
asc. node	-7001 Dec 16 j 18:24	5°♈41'55		
direct	-7000 Jan 20 j 10:02	3°♈52'29		
evening set	-7000 May 27 j 18:59	22°♈07'17		
max. Earth dist.	-7000 Jun 09 j 06:16	24°♈52'06	6.34188 AU	
conjunction	-7000 Jun 10 j 02:20	25°♈03'11	0°22'05	
minimum elong	-7000 Jun 10 j 02:18	25°♈03'10	0°22'13	
morning rise	-7000 Jun 23 j 06:14	27°♈57'21		
	-7000 Jul 02 j 15:24	0°♉		
	-7000 Oct 11 j 11:06	15°♉		
retrograde	-7000 Oct 21 j 20:00	15°♉10'25		
	-7000 Nov 01 j 04:40	15°℞♉		
opposition	-7000 Dec 20 j 18:09	10°♉16'53	1°05'15	
min. Earth dist.	-7000 Dec 21 j 13:19	10°♉10'40	4.35977 AU	
direct	-6999 Feb 21 j 00:41	5°♉13'46		
	-6999 May 20 j 03:49	15°♉		
evening set	-6999 Jun 28 j 23:39	23°♉17'26		
max. Earth dist.	-6999 Jul 10 j 10:37	25°♉49'09	6.36431 AU	
conjunction	-6999 Jul 11 j 21:12	26°♉08'17	1°04'53	
minimum elong	-6999 Jul 11 j 21:07	26°♉08'15	1°05'15	
morning rise	-6999 Jul 24 j 15:32	28°♉57'34		
	-6999 Jul 29 j 09:20	0°♊		
retrograde	-6999 Nov 22 j 05:32	16°♊07'59		
opposition	-6998 Jan 21 j 17:15	11°♊16'16	1°56'17	
min. Earth dist.	-6998 Jan 22 j 19:30	11°♊07'52	4.35802 AU	
direct	-6998 Mar 25 j 07:26	6°♊15'19		

Attention, astronomical year style is used: The year -6998 in astronomical counting style is the year 6999 BCE in historical counting style.

evening set	-6998 Jul 30 j 08:32	24°♊17'11	
max. Earth dist.	-6998 Aug 10 j 09:12	26°♊44'54	6.33731 AU
conjunction	-6998 Aug 11 j 22:10	27°♊05'36	1°29'03
minimum elong	-6998 Aug 11 j 22:08	27°♊05'35	1°29'30
morning rise	-6998 Aug 24 j 09:25	29°♊52'59	
	-6998 Aug 24 j 22:01	0°♋	
retrograde	-6998 Dec 24 j 13:31	17°♋24'28	
opposition	-6997 Feb 23 j 13:21	12°♋32'48	2°14'30
min. Earth dist.	-6997 Feb 24 j 15:19	12°♋24'33	4.30841 AU
direct	-6997 Apr 26 j 19:25	7°♋34'47	
evening set	-6997 Aug 30 j 14:04	25°♋43'25	
max. Earth dist.	-6997 Sep 10 j 17:04	28°♋15'13	6.26849 AU
conjunction	-6997 Sep 12 j 00:34	28°♋33'11	1°27'28
minimum elong	-6997 Sep 12 j 00:37	28°♋33'13	1°27'54
	-6997 Sep 18 j 08:50	0°♌	
morning rise	-6997 Sep 24 j 10:42	1°♌22'53	
	-6997 Dec 01 j 23:40	15°♌	
retrograde	-6996 Jan 27 j 08:54	19°♌34'07	
	-6996 Mar 26 j 01:40	15°℞♌	
opposition	-6996 Mar 28 j 14:51	14°♌40'31	1°52'38
min. Earth dist.	-6996 Mar 29 j 08:18	14°♌34'58	4.22469 AU
direct	-6996 May 28 j 22:23	9°♌45'20	
	-6996 Jul 28 j 05:24	15°♌	
evening set	-6996 Sep 30 j 10:13	28°♌07'33	
	-6996 Oct 08 j 12:28	0°♍	
conjunction	-6996 Oct 12 j 23:52	1°♍02'24	0°58'54
minimum elong	-6996 Oct 12 j 23:56	1°♍02'26	0°59'10
max. Earth dist.	-6996 Oct 12 j 09:53	0°♍54'16	6.17778 AU
morning rise	-6996 Oct 25 j 14:39	3°♍58'04	
retrograde	-6995 Mar 02 j 17:26	22°♍58'27	
opposition	-6995 May 02 j 22:16	18°♍01'28	0°53'17
min. Earth dist.	-6995 May 03 j 00:52	18°♍00'38	4.13293 AU
direct	-6995 Jul 01 j 22:40	13°♍08'18	
	-6995 Oct 25 j 20:56	0°♎	
evening set	-6995 Nov 02 j 14:27	1°♎47'56	
conjunction	-6995 Nov 15 j 11:04	4°♎49'31	0°10'06
minimum elong	-6995 Nov 15 j 11:05	4°♎49'32	0°10'06
behind sun begin	-6995 Nov 15 j 04:33	4°♎45'42	
behind sun end	-6995 Nov 15 j 17:36	4°♎53'21	
max. Earth dist.	-6995 Nov 15 j 18:04	4°♎53'38	6.09396 AU
morning rise	-6995 Nov 28 j 10:39	7°♎52'45	
desc. node	-6994 Jan 28 j 07:07	20°♎47'05	
retrograde	-6994 Apr 08 j 04:24	27°♎37'25	
min. Earth dist.	-6994 Jun 07 j 11:21	22°♎40'52	4.06399 AU
opposition	-6994 Jun 08 j 01:06	22°♎36'20	-0°26'55
direct	-6994 Aug 05 j 20:43	17°♎43'16	
	-6994 Nov 08 j 06:59	0°♏	
evening set	-6994 Dec 07 j 12:25	6°♏40'17	
conjunction	-6994 Dec 20 j 17:25	9°♏47'33	-0°43'27
minimum elong	-6994 Dec 20 j 17:21	9°♏47'31	0°43'42
max. Earth dist.	-6994 Dec 21 j 23:05	10°♏05'07	6.04602 AU
morning rise	-6993 Jan 03 j 01:41	12°♏56'39	
	-6993 Jan 11 j 21:13	15°♏	
	-6993 Mar 31 j 01:24	0°♐	
retrograde	-6993 May 14 j 23:44	3°♐03'19	
	-6993 Jun 28 j 19:17	30°℞♏	
min. Earth dist.	-6993 Jul 13 j 05:06	28°♏07'05	4.04288 AU
opposition	-6993 Jul 14 j 04:46	27°♏59'06	-1°38'51
direct	-6993 Sep 10 j 08:43	23°♏04'08	
	-6993 Nov 17 j 02:36	0°♐	
evening set	-6992 Jan 12 j 22:15	12°♐11'51	
conjunction	-6992 Jan 26 j 09:57	15°♐21'39	-1°21'28
minimum elong	-6992 Jan 26 j 09:53	15°♐21'36	1°21'54
max. Earth dist.	-6992 Jan 28 j 01:55	15°♐45'06	6.05207 AU
morning rise	-6992 Feb 09 j 00:42	18°♐32'54	
	-6992 Apr 01 j 23:48	0°♑	
retrograde	-6992 Jun 18 j 21:45	8°♑27'55	
min. Earth dist.	-6992 Aug 16 j 11:48	3°♑31'38	4.07690 AU
opposition	-6992 Aug 17 j 13:57	3°♑22'43	-2°13'49
	-6992 Sep 13 j 22:36	30°℞♐	
direct	-6992 Oct 14 j 19:19	28°♐24'28	
	-6992 Nov 14 j 21:29	0°♑	
evening set	-6991 Feb 17 j 20:13	17°♑30'04	
conjunction	-6991 Mar 03 j 12:42	20°♑39'15	-1°29'18
minimum elong	-6991 Mar 03 j 12:44	20°♑39'16	1°29'45
max. Earth dist.	-6991 Mar 05 j 01:26	21°♑00'27	6.11006 AU
morning rise	-6991 Mar 17 j 06:26	23°♑48'55	
	-6991 Apr 14 j 01:36	0°♒	
retrograde	-6991 Jul 23 j 10:23	13°♒02'33	
opposition	-6991 Sep 20 j 16:54	7°♒58'57	-2°00'04
min. Earth dist.	-6991 Sep 19 j 23:02	8°♒05'03	4.15278 AU
direct	-6991 Nov 18 j 18:47	2°♒57'25	
	-6990 Feb 22 j 20:20	15°♒	
evening set	-6990 Mar 26 j 03:01	21°♒48'26	
conjunction	-6990 Apr 08 j 20:52	24°♒54'30	-1°05'38
minimum elong	-6990 Apr 08 j 20:57	24°♒54'32	1°05'56
max. Earth dist.	-6990 Apr 09 j 16:44	25°♒05'43	6.19787 AU
morning rise	-6990 Apr 22 j 13:52	27°♒59'58	
	-6990 May 01 j 13:23	0°♓	
retrograde	-6990 Aug 25 j 06:32	16°♓20'30	
opposition	-6990 Oct 23 j 13:03	11°♓20'19	-1°06'44
min. Earth dist.	-6990 Oct 23 j 07:04	11°♓22'20	4.24337 AU
direct	-6990 Dec 22 j 19:11	6°♓16'41	
evening set	-6989 Apr 30 j 00:34	24°♓47'45	
conjunction	-6989 May 13 j 14:44	27°♓48'47	-0°21'08
minimum elong	-6989 May 13 j 14:46	27°♓48'48	0°21'11
max. Earth dist.	-6989 May 13 j 11:19	27°♓46'53	6.28519 AU
	-6989 May 23 j 10:52	0°♈	
morning rise	-6989 May 27 j 02:24	0°♈48'24	
retrograde	-6989 Sep 26 j 00:47	18°♈24'28	
asc. node	-6989 Oct 27 j 12:02	16°♈49'37	
opposition	-6989 Nov 24 j 12:33	13°♈28'10	0°05'16
min. Earth dist.	-6989 Nov 24 j 21:38	13°♈25'10	4.31971 AU
direct	-6988 Jan 25 j 00:53	8°♈24'08	
evening set	-6988 Jun 01 j 08:49	26°♈37'48	
conjunction	-6988 Jun 14 j 15:00	29°♈33'05	0°28'47
minimum elong	-6988 Jun 14 j 14:57	29°♈33'04	0°28'58
max. Earth dist.	-6988 Jun 13 j 16:13	29°♈20'30	6.34488 AU
	-6988 Jun 16 j 15:43	0°♉	
morning rise	-6988 Jun 27 j 17:38	2°♉26'36	
	-6988 Aug 31 j 02:43	15°♉	
retrograde	-6988 Oct 26 j 05:14	19°♉38'55	
	-6988 Dec 23 j 09:27	15°℞♉	
opposition	-6988 Dec 25 j 05:30	14°♉45'43	1°13'55
min. Earth dist.	-6988 Dec 26 j 01:28	14°♉39'14	4.35935 AU
direct	-6987 Feb 25 j 12:54	9°♉42'49	
	-6987 Apr 28 j 23:25	15°♉	
evening set	-6987 Jul 03 j 11:03	27°♉46'50	
	-6987 Jul 13 j 12:07	0°♊	
max. Earth dist.	-6987 Jul 14 j 20:40	0°♊18'03	6.36051 AU
conjunction	-6987 Jul 16 j 07:21	0°♊37'17	1°09'36
minimum elong	-6987 Jul 16 j 07:17	0°♊37'15	1°09'59
morning rise	-6987 Jul 29 j 00:27	3°♊26'13	

Attention, astronomical year style is used: The year -6987 in astronomical counting style is the year 6988 BCE in historical counting style.

retrograde	-6987 Nov 26 j 18:46	20°♊39'11	
opposition	-6986 Jan 26 j 07:45	15°♊47'39	2°01'04
min. Earth dist.	-6986 Jan 27 j 10:32	15°♊39'06	4.35132 AU
direct	-6986 Mar 29 j 21:53	10°♊47'08	
evening set	-6986 Aug 03 j 19:22	28°♊50'16	
	-6986 Aug 09 j 00:13	0°♋	
max. Earth dist.	-6986 Aug 14 j 18:39	1°♋17'39	6.32810 AU
conjunction	-6986 Aug 16 j 08:10	1°♋38'42	1°30'26
minimum elong	-6986 Aug 16 j 08:09	1°♋38'42	1°30'54
morning rise	-6986 Aug 28 j 19:03	4°♋26'16	
retrograde	-6986 Dec 29 j 07:28	22°♋02'51	
opposition	-6985 Feb 28 j 08:12	17°♋10'59	2°13'49
min. Earth dist.	-6985 Mar 01 j 08:48	17°♋03'11	4.29746 AU
direct	-6985 May 01 j 11:21	12°♋13'23	
	-6985 Sep 02 j 08:05	0°♌	
evening set	-6985 Sep 04 j 01:56	0°♌23'42	
max. Earth dist.	-6985 Sep 15 j 08:53	2°♌58'07	6.25682 AU
conjunction	-6985 Sep 16 j 12:41	3°♌14'01	1°24'56
minimum elong	-6985 Sep 16 j 12:44	3°♌14'02	1°25'21
morning rise	-6985 Sep 28 j 22:59	6°♌04'19	
	-6985 Nov 09 j 12:00	15°♌	
retrograde	-6984 Feb 01 j 07:47	24°♌21'53	
opposition	-6984 Apr 02 j 14:06	19°♌27'54	1°46'11
min. Earth dist.	-6984 Apr 03 j 05:35	19°♌22'59	4.21298 AU
	-6984 May 16 j 18:55	15°℞♌	
direct	-6984 Jun 02 j 17:28	14°♌33'08	
	-6984 Jun 19 j 15:01	15°♌	
	-6984 Sep 22 j 03:35	0°♍	
evening set	-6984 Oct 05 j 01:22	2°♍56'58	
conjunction	-6984 Oct 17 j 15:37	5°♍52'35	0°52'54
minimum elong	-6984 Oct 17 j 15:41	5°♍52'37	0°53'08
max. Earth dist.	-6984 Oct 17 j 03:33	5°♍45'34	6.16698 AU
morning rise	-6984 Oct 30 j 07:35	8°♍49'13	
retrograde	-6983 Mar 07 j 19:07	27°♍55'39	
opposition	-6983 May 08 j 00:13	22°♍58'03	0°42'35
min. Earth dist.	-6983 May 07 j 23:53	22°♍58'09	4.12368 AU
direct	-6983 Jul 06 j 20:22	18°♍05'00	
	-6983 Oct 08 j 13:13	0°♎	
evening set	-6983 Nov 07 j 10:13	6°♎46'17	
conjunction	-6983 Nov 20 j 08:07	9°♎48'42	0°02'23
minimum elong	-6983 Nov 20 j 08:07	9°♎48'42	0°02'21
behind sun begin	-6983 Nov 20 j 00:00	9°♎43'56	
behind sun end	-6983 Nov 20 j 16:14	9°♎53'27	
max. Earth dist.	-6983 Nov 20 j 19:42	9°♎55'31	6.08715 AU
morning rise	-6983 Dec 03 j 08:47	12°♎52'44	
desc. node	-6983 Dec 07 j 09:26	13°♎49'10	
	-6982 Mar 02 j 02:35	0°♏	
retrograde	-6982 Apr 13 j 09:17	2°♏41'09	
	-6982 May 25 j 17:09	30°℞♎	
opposition	-6982 Jun 13 j 03:32	27°♎39'37	-0°38'17
min. Earth dist.	-6982 Jun 12 j 12:41	27°♎44'31	4.06032 AU
direct	-6982 Aug 10 j 20:58	22°♎46'26	
	-6982 Oct 19 j 08:36	0°♏	
evening set	-6982 Dec 12 j 13:13	11°♏44'40	
conjunction	-6982 Dec 25 j 19:03	14°♏52'22	-0°50'09
minimum elong	-6982 Dec 25 j 18:59	14°♏52'19	0°50'27
	-6982 Dec 26 j 07:59	15°♏	
max. Earth dist.	-6982 Dec 27 j 01:25	15°♏10'19	6.04553 AU
morning rise	-6981 Jan 08 j 04:31	18°♏01'56	
	-6981 Mar 04 j 11:30	0°♐	
retrograde	-6981 May 20 j 00:44	8°♐08'24	
min. Earth dist.	-6981 Jul 18 j 03:44	3°♐12'26	4.04595 AU
opposition	-6981 Jul 19 j 04:55	3°♐03'55	-1°46'26
	-6981 Aug 12 j 19:12	30°℞♏	
direct	-6981 Sep 15 j 07:20	28°♏08'34	
	-6981 Oct 18 j 18:54	0°♐	
evening set	-6980 Jan 18 j 01:38	17°♐16'24	
conjunction	-6980 Jan 31 j 14:12	20°♐26'14	-1°24'33
minimum elong	-6980 Jan 31 j 14:08	20°♐26'13	1°24'59
max. Earth dist.	-6980 Feb 02 j 06:47	20°♐50'02	6.05828 AU
morning rise	-6980 Feb 14 j 05:24	23°♐37'24	
	-6980 Mar 13 j 11:07	0°♑	
retrograde	-6980 Jun 23 j 20:25	13°♑28'05	
min. Earth dist.	-6980 Aug 21 j 09:49	8°♑31'19	4.08564 AU
opposition	-6980 Aug 22 j 10:13	8°♑22'59	-2°14'47
direct	-6980 Oct 19 j 18:12	3°♑24'16	
evening set	-6979 Feb 22 j 23:03	22°♑28'32	
conjunction	-6979 Mar 08 j 15:58	25°♑37'27	-1°27'43
minimum elong	-6979 Mar 08 j 16:01	25°♑37'29	1°28'10
max. Earth dist.	-6979 Mar 10 j 03:08	25°♑57'41	6.12055 AU
morning rise	-6979 Mar 22 j 09:54	28°♑46'43	
	-6979 Mar 27 j 18:49	0°♒	
	-6979 Jun 15 j 00:36	15°♒	
retrograde	-6979 Jul 28 j 02:07	17°♒53'31	
	-6979 Sep 08 j 23:23	15°℞♒	
opposition	-6979 Sep 25 j 08:36	12°♒50'20	-1°54'34
min. Earth dist.	-6979 Sep 24 j 15:34	12°♒56'09	4.16401 AU
direct	-6979 Nov 23 j 13:06	7°♒48'26	
	-6978 Feb 02 j 20:41	15°♒	
evening set	-6978 Mar 31 j 02:24	26°♒37'23	
conjunction	-6978 Apr 13 j 20:00	29°♒42'55	-1°00'18
minimum elong	-6978 Apr 13 j 20:05	29°♒42'58	1°00'35
max. Earth dist.	-6978 Apr 14 j 11:39	29°♒51'44	6.20903 AU
	-6978 Apr 15 j 02:18	0°♓	
morning rise	-6978 Apr 27 j 12:41	2°♓47'46	
retrograde	-6978 Aug 29 j 20:17	21°♓01'59	
opposition	-6978 Oct 28 j 01:56	16°♓02'21	-0°57'13
min. Earth dist.	-6978 Oct 27 j 23:00	16°♓03'20	4.25329 AU
direct	-6978 Dec 27 j 13:26	10°♓58'33	
evening set	-6977 May 04 j 19:13	29°♓27'40	
	-6977 May 07 j 05:46	0°♈	
conjunction	-6977 May 18 j 08:42	2°♈28'04	-0°14'04
minimum elong	-6977 May 18 j 08:43	2°♈28'05	0°14'06
behind sun begin	-6977 May 18 j 04:51	2°♈25'57	
behind sun end	-6977 May 18 j 12:35	2°♈30'13	
max. Earth dist.	-6977 May 18 j 03:14	2°♈25'03	6.29318 AU
morning rise	-6977 May 31 j 19:13	5°♈26'56	
asc. node	-6977 Sep 06 j 06:10	22°♈02'37	
retrograde	-6977 Sep 30 j 10:28	22°♈59'09	
opposition	-6977 Nov 29 j 00:10	18°♈03'22	0°15'40
min. Earth dist.	-6977 Nov 29 j 10:06	18°♈00'05	4.32534 AU
direct	-6976 Jan 29 j 14:28	12°♈59'24	
	-6976 May 31 j 11:41	0°♉	
evening set	-6976 Jun 05 j 23:48	1°♉12'06	
max. Earth dist.	-6976 Jun 18 j 03:15	3°♉52'43	6.34777 AU
conjunction	-6976 Jun 19 j 04:32	4°♉06'41	0°35'25
minimum elong	-6976 Jun 19 j 04:29	4°♉06'40	0°35'38
morning rise	-6976 Jul 02 j 05:53	6°♉59'33	
	-6976 Aug 09 j 12:34	15°♉	
retrograde	-6976 Oct 30 j 17:34	24°♉11'06	
opposition	-6976 Dec 29 j 18:18	19°♉18'17	1°22'18
min. Earth dist.	-6976 Dec 30 j 16:06	19°♉11'13	4.35957 AU
	-6975 Feb 07 j 23:36	15°℞♉	
direct	-6975 Mar 02 j 04:08	14°♉15'41	

Attention, astronomical year style is used: The year -6975 in astronomical counting style is the year 6976 BCE in historical counting style.

	-6975 Mar 24 j 10:48	15°♉	
	-6975 Jun 27 j 07:29	0°♊	
evening set	-6975 Jul 07 j 23:10	2°♊19'30	
max. Earth dist.	-6975 Jul 19 j 07:00	4°♊49'56	6.35797 AU
conjunction	-6975 Jul 20 j 18:18	5°♊09'32	1°13'59
minimum elong	-6975 Jul 20 j 18:14	5°♊09'30	1°14'22
morning rise	-6975 Aug 02 j 10:16	7°♊58'05	
retrograde	-6975 Dec 01 j 07:56	25°♊13'09	
opposition	-6974 Jan 30 j 23:14	20°♊21'38	2°05'10
min. Earth dist.	-6974 Feb 01 j 01:02	20°♊13'24	4.34660 AU
direct	-6974 Apr 03 j 11:40	15°♊21'31	
	-6974 Jul 23 j 17:24	0°♋	
evening set	-6974 Aug 08 j 06:10	3°♋24'53	
max. Earth dist.	-6974 Aug 19 j 06:56	5°♋53'22	6.32162 AU
conjunction	-6974 Aug 20 j 18:18	6°♋13'16	1°31'19
minimum elong	-6974 Aug 20 j 18:17	6°♋13'16	1°31'47
morning rise	-6974 Sep 02 j 04:36	9°♋00'52	
retrograde	-6973 Jan 03 j 01:31	26°♋41'34	
opposition	-6973 Mar 05 j 03:12	21°♋49'30	2°12'19
min. Earth dist.	-6973 Mar 06 j 03:10	21°♋41'54	4.28955 AU
direct	-6973 May 06 j 04:36	16°♋52'21	
	-6973 Aug 16 j 18:40	0°♌	
evening set	-6973 Sep 08 j 13:20	5°♌03'04	
max. Earth dist.	-6973 Sep 19 j 21:18	7°♌38'24	6.24813 AU
conjunction	-6973 Sep 21 j 00:06	7°♌53'46	1°21'54
minimum elong	-6973 Sep 21 j 00:09	7°♌53'47	1°22'17
morning rise	-6973 Oct 03 j 10:57	10°♌44'38	
	-6973 Oct 22 j 11:31	15°♌	
retrograde	-6972 Feb 06 j 04:18	29°♌07'23	
opposition	-6972 Apr 07 j 11:58	24°♌12'53	1°39'03
min. Earth dist.	-6972 Apr 08 j 00:43	24°♌08'48	4.20395 AU
direct	-6972 Jun 07 j 11:15	19°♌18'23	
	-6972 Sep 04 j 19:07	0°♍	
evening set	-6972 Oct 09 j 15:13	7°♍43'01	
conjunction	-6972 Oct 22 j 06:26	10°♍39'23	0°46'37
minimum elong	-6972 Oct 22 j 06:30	10°♍39'25	0°46'49
max. Earth dist.	-6972 Oct 21 j 22:34	10°♍34'48	6.15857 AU
morning rise	-6972 Nov 03 j 23:16	13°♍36'48	
	-6971 Jan 28 j 08:26	0°♎	
retrograde	-6971 Mar 12 j 20:16	2°♎48'14	
	-6971 Apr 25 j 16:58	30°℞♍	
opposition	-6971 May 13 j 00:07	27°♍50'05	0°31'44
min. Earth dist.	-6971 May 12 j 22:37	27°♍50'35	4.11634 AU
direct	-6971 Jul 11 j 17:23	22°♍57'06	
	-6971 Sep 18 j 23:44	0°♎	
desc. node	-6971 Oct 17 j 06:24	5°♎44'40	
evening set	-6971 Nov 12 j 04:26	11°♎39'35	
conjunction	-6971 Nov 25 j 03:16	14°♎42'40	-0°05'21
minimum elong	-6971 Nov 25 j 03:15	14°♎42'40	0°05'25
behind sun begin	-6971 Nov 24 j 19:24	14°♎38'03	
behind sun end	-6971 Nov 25 j 11:06	14°♎47'16	
max. Earth dist.	-6971 Nov 25 j 16:07	14°♎50'14	6.08146 AU
morning rise	-6971 Dec 08 j 05:19	17°♎47'32	
	-6970 Feb 03 j 01:38	0°♏	
retrograde	-6970 Apr 18 j 09:41	7°♏39'09	
min. Earth dist.	-6970 Jun 17 j 10:05	2°♏42'48	4.05691 AU
opposition	-6970 Jun 18 j 03:15	2°♏37'06	-0°49'09
	-6970 Jul 09 j 00:06	30°℞♎	
direct	-6970 Aug 15 j 17:06	27°♎43'42	
	-6970 Sep 22 j 00:45	0°♏	
	-6970 Dec 10 j 03:22	15°♏	
evening set	-6970 Dec 17 j 12:11	16°♏43'20	
conjunction	-6970 Dec 30 j 19:07	19°♏51'30	-0°56'22
minimum elong	-6970 Dec 30 j 19:03	19°♏51'27	0°56'42
max. Earth dist.	-6969 Jan 01 j 03:36	20°♏10'42	6.04461 AU
morning rise	-6969 Jan 13 j 05:23	23°♏01'27	
	-6969 Feb 12 j 23:09	0°♐	
retrograde	-6969 May 25 j 01:23	13°♐07'51	
min. Earth dist.	-6969 Jul 23 j 02:20	8°♐11'25	4.04771 AU
opposition	-6969 Jul 24 j 02:44	8°♐03'09	-1°53'07
direct	-6969 Sep 20 j 05:30	3°♐07'22	
evening set	-6968 Jan 23 j 03:46	22°♐16'03	
conjunction	-6968 Feb 05 j 17:06	25°♐26'02	-1°26'57
minimum elong	-6968 Feb 05 j 17:04	25°♐26'00	1°27'24
max. Earth dist.	-6968 Feb 07 j 09:31	25°♐49'40	6.06248 AU
morning rise	-6968 Feb 19 j 08:59	28°♐37'14	
	-6968 Feb 25 j 08:16	0°♑	
retrograde	-6968 Jun 28 j 16:18	18°♑24'05	
min. Earth dist.	-6968 Aug 26 j 04:28	13°♑27'29	4.09208 AU
opposition	-6968 Aug 27 j 04:45	13°♑19'11	-2°14'47
direct	-6968 Oct 24 j 13:33	8°♑20'02	
evening set	-6967 Feb 28 j 01:06	27°♑23'58	
	-6967 Mar 11 j 09:25	0°♒	
conjunction	-6967 Mar 13 j 18:21	0°♒32'42	-1°25'31
minimum elong	-6967 Mar 13 j 18:24	0°♒32'44	1°25'56
max. Earth dist.	-6967 Mar 15 j 02:11	0°♒50'58	6.12873 AU
morning rise	-6967 Mar 27 j 12:32	3°♒41'42	
	-6967 May 20 j 03:04	15°♒	
retrograde	-6967 Aug 01 j 19:01	22°♒42'39	
min. Earth dist.	-6967 Sep 29 j 09:25	17°♒44'55	4.17301 AU
opposition	-6967 Sep 30 j 00:07	17°♒39'54	-1°48'19
	-6967 Oct 20 j 16:38	15°℞♒	
direct	-6967 Nov 28 j 09:11	12°♒37'39	
	-6966 Jan 06 j 10:33	15°♒	
	-6966 Mar 29 j 16:27	0°♓	
evening set	-6966 Apr 05 j 01:28	1°♓25'12	
conjunction	-6966 Apr 18 j 19:02	4°♓30'18	-0°54'33
minimum elong	-6966 Apr 18 j 19:07	4°♓30'21	0°54'47
max. Earth dist.	-6966 Apr 19 j 09:19	4°♓38'21	6.21849 AU
morning rise	-6966 May 02 j 11:04	7°♓34'32	
retrograde	-6966 Sep 03 j 08:38	25°♓43'00	
opposition	-6966 Nov 01 j 14:52	20°♓43'57	-0°47'19
min. Earth dist.	-6966 Nov 01 j 12:48	20°♓44'38	4.26238 AU
direct	-6965 Jan 01 j 05:07	15°♓40'04	
	-6965 Apr 20 j 13:21	0°♈	
evening set	-6965 May 09 j 14:17	4°♈07'26	
conjunction	-6965 May 23 j 02:38	7°♈07'05	-0°06'54
minimum elong	-6965 May 23 j 02:38	7°♈07'05	0°06'54
behind sun begin	-6965 May 22 j 19:01	7°♈02'52	
behind sun end	-6965 May 23 j 10:16	7°♈11'18	
max. Earth dist.	-6965 May 22 j 17:16	7°♈01'54	6.30132 AU
morning rise	-6965 Jun 05 j 12:11	10°♈05'11	
asc. node	-6965 Jul 16 j 07:50	18°♈37'26	
retrograde	-6965 Oct 04 j 22:16	27°♈33'32	
opposition	-6965 Dec 03 j 12:18	22°♈38'12	0°25'58
min. Earth dist.	-6965 Dec 04 j 00:32	22°♈34'10	4.33192 AU
direct	-6964 Feb 03 j 06:40	17°♈34'20	
	-6964 May 14 j 13:17	0°♉	
evening set	-6964 Jun 10 j 14:10	5°♉45'24	
conjunction	-6964 Jun 23 j 17:41	8°♉39'16	0°41'51
minimum elong	-6964 Jun 23 j 17:38	8°♉39'14	0°42'06
max. Earth dist.	-6964 Jun 22 j 15:53	8°♉25'01	6.35210 AU
morning rise	-6964 Jul 06 j 17:31	11°♉31'21	
	-6964 Jul 22 j 18:48	15°♉	

Attention, astronomical year style is used: The year -6964 in astronomical counting style is the year 6965 BCE in historical counting style.

retrograde	-6964 Nov 04 j 03:14	28°♉41'47	
opposition	-6963 Jan 03 j 06:53	23°♉49'12	1°30'09
min. Earth dist.	-6963 Jan 04 j 04:32	23°♉42'13	4.36144 AU
direct	-6963 Mar 06 j 16:48	18°♉46'55	
	-6963 Jun 10 j 04:57	0°♊	
evening set	-6963 Jul 12 j 10:13	6°♊49'47	
max. Earth dist.	-6963 Jul 23 j 15:41	9°♊19'07	6.35684 AU
conjunction	-6963 Jul 25 j 03:57	9°♊39'18	1°17'54
minimum elong	-6963 Jul 25 j 03:54	9°♊39'16	1°18'19
morning rise	-6963 Aug 06 j 18:53	12°♊27'25	
retrograde	-6963 Dec 05 j 22:04	29°♊44'22	
opposition	-6962 Feb 04 j 14:00	24°♊52'54	2°08'31
min. Earth dist.	-6962 Feb 05 j 16:55	24°♊44'19	4.34239 AU
direct	-6962 Apr 08 j 02:55	19°♊53'09	
	-6962 Jul 06 j 07:18	0°♋	
evening set	-6962 Aug 12 j 15:39	7°♋56'40	
max. Earth dist.	-6962 Aug 23 j 16:06	10°♋25'16	6.31436 AU
conjunction	-6962 Aug 25 j 03:16	10°♋45'05	1°31'39
minimum elong	-6962 Aug 25 j 03:16	10°♋45'05	1°32'07
morning rise	-6962 Sep 06 j 13:16	13°♋32'51	
	-6962 Dec 09 j 11:49	0°♌	
retrograde	-6961 Jan 07 j 17:19	1°♌18'12	
	-6961 Feb 06 j 03:38	30℞♋	
opposition	-6961 Mar 09 j 21:08	26°♋25'51	2°10'03
min. Earth dist.	-6961 Mar 10 j 19:19	26°♋18'48	4.27968 AU
direct	-6961 May 10 j 18:34	21°♋29'06	
	-6961 Jul 29 j 11:34	0°♌	
evening set	-6961 Sep 12 j 23:56	9°♌41'13	
max. Earth dist.	-6961 Sep 24 j 10:57	12°♌18'41	6.23647 AU
conjunction	-6961 Sep 25 j 11:02	12°♌32'31	1°18'22
minimum elong	-6961 Sep 25 j 11:06	12°♌32'33	1°18'45
	-6961 Oct 06 j 04:07	15°♌	
morning rise	-6961 Oct 07 j 22:19	15°♌24'06	
	-6961 Dec 21 j 07:46	0°♍	
retrograde	-6960 Feb 11 j 03:09	3°♍53'28	
	-6960 Apr 04 j 08:21	30℞♌	
opposition	-6960 Apr 12 j 10:06	28°♌58'33	1°31'19
min. Earth dist.	-6960 Apr 12 j 22:11	28°♌54'41	4.19103 AU
direct	-6960 Jun 12 j 06:29	24°♌04'20	
	-6960 Aug 15 j 05:04	0°♍	
evening set	-6960 Oct 14 j 05:50	12°♍31'26	
conjunction	-6960 Oct 26 j 21:54	15°♍28'45	0°40'00
minimum elong	-6960 Oct 26 j 21:57	15°♍28'47	0°40'09
max. Earth dist.	-6960 Oct 26 j 15:38	15°♍25'05	6.14559 AU
morning rise	-6960 Nov 08 j 16:03	18°♍27'17	
	-6959 Jan 01 j 16:24	0°♎	
retrograde	-6959 Mar 17 j 21:38	7°♎45'35	
opposition	-6959 May 18 j 01:19	2°♎46'53	0°20'31
min. Earth dist.	-6959 May 17 j 20:48	2°♎48'21	4.10438 AU
	-6959 Jun 09 j 19:54	30℞♍	
direct	-6959 Jul 16 j 13:22	27°♍53'57	
	-6959 Aug 21 j 19:27	0°♎	
desc. node	-6959 Aug 26 j 13:55	0°♎33'47	
evening set	-6959 Nov 17 j 01:19	16°♎39'38	
conjunction	-6959 Nov 30 j 01:24	19°♎43'41	-0°13'03
minimum elong	-6959 Nov 30 j 01:23	19°♎43'40	0°13'09
behind sun begin	-6959 Nov 29 j 20:30	19°♎40'47	
behind sun end	-6959 Nov 30 j 06:15	19°♎46'32	
max. Earth dist.	-6959 Nov 30 j 17:50	19°♎53'23	6.07162 AU
morning rise	-6959 Dec 13 j 04:37	22°♎49'30	
	-6958 Jan 13 j 20:48	0°♏	
retrograde	-6958 Apr 23 j 15:37	12°♏45'53	
opposition	-6958 Jun 23 j 05:53	7°♏43'21	-0°59'57
min. Earth dist.	-6958 Jun 22 j 12:05	7°♏49'17	4.05016 AU
direct	-6958 Aug 20 j 17:40	2°♏49'42	
	-6958 Nov 22 j 11:29	15°♏	
evening set	-6958 Dec 22 j 15:19	21°♏52'10	
conjunction	-6957 Jan 04 j 23:18	25°♏00'54	-1°02'20
minimum elong	-6957 Jan 04 j 23:13	25°♏00'52	1°02'41
max. Earth dist.	-6957 Jan 06 j 09:50	25°♏21'19	6.04146 AU
morning rise	-6957 Jan 18 j 10:39	28°♏11'25	
	-6957 Jan 26 j 04:59	0°♐	
retrograde	-6957 May 30 j 04:45	18°♐18'02	
min. Earth dist.	-6957 Jul 28 j 02:29	13°♐21'55	4.04893 AU
opposition	-6957 Jul 29 j 04:11	13°♐13'12	-1°59'09
direct	-6957 Sep 25 j 05:16	8°♐17'03	
evening set	-6956 Jan 28 j 10:19	27°♐26'40	
	-6956 Feb 08 j 09:28	0°♑	
conjunction	-6956 Feb 11 j 00:19	0°♑36'42	-1°28'47
minimum elong	-6956 Feb 11 j 00:17	0°♑36'41	1°29'15
max. Earth dist.	-6956 Feb 12 j 15:58	0°♑59'51	6.06791 AU
morning rise	-6956 Feb 24 j 16:48	3°♑47'52	
retrograde	-6956 Jul 03 j 15:57	23°♑30'01	
min. Earth dist.	-6956 Aug 31 j 03:22	18°♑33'18	4.10141 AU
opposition	-6956 Sep 01 j 02:52	18°♑25'15	-2°13'48
direct	-6956 Oct 29 j 15:00	13°♑25'38	
	-6955 Feb 22 j 08:46	0°♒	
evening set	-6955 Mar 05 j 06:24	2°♒27'45	
conjunction	-6955 Mar 19 j 00:06	5°♒36'06	-1°22'40
minimum elong	-6955 Mar 19 j 00:10	5°♒36'08	1°23'05
max. Earth dist.	-6955 Mar 20 j 08:12	5°♒54'28	6.14168 AU
morning rise	-6955 Apr 01 j 18:05	8°♒44'28	
	-6955 Apr 30 j 03:10	15°♒	
retrograde	-6955 Aug 06 j 12:43	27°♒37'12	
opposition	-6955 Oct 04 j 17:27	22°♒34'56	-1°41'13
min. Earth dist.	-6955 Oct 04 j 03:28	22°♒39'41	4.18843 AU
direct	-6955 Dec 03 j 06:03	17°♒32'24	
	-6954 Mar 12 j 03:32	0°♓	
evening set	-6954 Apr 10 j 01:39	6°♓15'49	
conjunction	-6954 Apr 23 j 18:34	9°♓20'00	-0°48'27
minimum elong	-6954 Apr 23 j 18:38	9°♓20'02	0°48'39
max. Earth dist.	-6954 Apr 24 j 05:04	9°♓25'54	6.23531 AU
morning rise	-6954 May 07 j 10:02	12°♓23'14	
	-6954 Aug 23 j 11:46	0°♈	
retrograde	-6954 Sep 07 j 20:05	0°♈23'18	
	-6954 Sep 23 j 02:19	30℞♓	
opposition	-6954 Nov 06 j 03:48	25°♓24'42	-0°37'13
min. Earth dist.	-6954 Nov 06 j 03:48	25°♓24'42	4.27908 AU
direct	-6953 Jan 05 j 23:22	20°♓20'41	
	-6953 Apr 02 j 10:56	0°♈	
evening set	-6953 May 14 j 07:05	8°♈43'15	
asc. node	-6953 May 26 j 02:27	11°♈19'39	
conjunction	-6953 May 27 j 18:23	11°♈41'47	0°00'13
minimum elong	-6953 May 27 j 18:24	11°♈41'47	0°00'16
behind sun begin	-6953 May 27 j 10:14	11°♈37'17	
behind sun end	-6953 May 28 j 02:34	11°♈46'17	
max. Earth dist.	-6953 May 27 j 07:55	11°♈36'00	6.31672 AU
morning rise	-6953 Jun 10 j 02:27	14°♈38'40	
	-6953 Sep 03 j 06:57	0°♉	
retrograde	-6953 Oct 09 j 04:54	2°♉01'00	
	-6953 Nov 14 j 04:57	30℞♈	
opposition	-6953 Dec 07 j 21:55	27°♈06'06	0°35'47
min. Earth dist.	-6953 Dec 08 j 11:12	27°♈01'45	4.34482 AU
direct	-6952 Feb 07 j 19:07	22°♈02'23	

Attention, astronomical year style is used: The year -6952 in astronomical counting style is the year 6953 BCE in historical counting style.

	-6952 Apr 26 j 01:42	0°♉		
evening set	-6952 Jun 15 j 00:44	10°♉09'35		
max. Earth dist.	-6952 Jun 26 j 21:06	12°♉46'08	6.36127 AU	
conjunction	-6952 Jun 28 j 02:36	13°♉02'25	0°47'46	
minimum elong	-6952 Jun 28 j 02:32	13°♉02'23	0°48'02	
	-6952 Jul 06 j 23:43	15°♉		
morning rise	-6952 Jul 11 j 01:08	15°♉53'33		
	-6952 Sep 24 j 15:33	0°♊		
retrograde	-6952 Nov 08 j 10:36	3°♊01'40		
	-6952 Dec 23 j 22:15	30°℞♉		
opposition	-6951 Jan 07 j 15:34	28°♉09'20	1°37'07	
min. Earth dist.	-6951 Jan 08 j 15:38	28°♉01'35	4.36634 AU	
direct	-6951 Mar 11 j 04:26	23°♉07'15		
	-6951 May 22 j 09:03	0°♊		
evening set	-6951 Jul 16 j 16:17	11°♊08'17		
max. Earth dist.	-6951 Jul 27 j 20:16	13°♊36'50	6.35684 AU	
conjunction	-6951 Jul 29 j 09:02	13°♊57'18	1°21'11	
minimum elong	-6951 Jul 29 j 08:59	13°♊57'16	1°21'37	
morning rise	-6951 Aug 10 j 22:49	16°♊44'59		
	-6951 Oct 18 j 13:35	0°♋		
retrograde	-6951 Dec 10 j 05:07	4°♋03'45		
	-6950 Feb 02 j 17:27	30°℞♊		
opposition	-6950 Feb 09 j 00:11	29°♊12'16	2°10'58	
min. Earth dist.	-6950 Feb 10 j 02:54	29°♊03'46	4.33757 AU	
direct	-6950 Apr 12 j 11:08	24°♊12'53		
	-6950 Jun 16 j 15:12	0°♋		
evening set	-6950 Aug 16 j 20:37	12°♋16'57		
max. Earth dist.	-6950 Aug 27 j 20:10	14°♋45'26	6.30496 AU	
conjunction	-6950 Aug 29 j 07:43	15°♋05'32	1°31'26	
minimum elong	-6950 Aug 29 j 07:43	15°♋05'32	1°31'53	
morning rise	-6950 Sep 10 j 17:34	17°♋53'36		
	-6950 Nov 09 j 12:56	0°♌		
retrograde	-6949 Jan 12 j 08:11	5°♌44'42		
opposition	-6949 Mar 14 j 11:33	0°♌52'09	2°07'07	
min. Earth dist.	-6949 Mar 15 j 10:28	0°♌44'52	4.26606 AU	
	-6949 Mar 21 j 08:32	30°℞♋		
direct	-6949 May 15 j 07:15	25°♋55'43		
	-6949 Jul 07 j 08:43	0°♌		
evening set	-6949 Sep 17 j 07:26	14°♌10'47		
	-6949 Sep 20 j 21:21	15°♌		
conjunction	-6949 Sep 29 j 19:02	17°♌02'59	1°14'29	
minimum elong	-6949 Sep 29 j 19:06	17°♌03'01	1°14'50	
max. Earth dist.	-6949 Sep 28 j 19:44	16°♌49'33	6.21989 AU	
morning rise	-6949 Oct 12 j 07:05	19°♌55'35		
	-6949 Nov 28 j 08:31	0°♍		
retrograde	-6948 Feb 15 j 22:22	8°♍33'26		
opposition	-6948 Apr 17 j 05:41	3°♍38'06	1°23'13	
min. Earth dist.	-6948 Apr 17 j 15:22	3°♍35'00	4.17268 AU	
	-6948 May 19 j 06:56	30°℞♌		
direct	-6948 Jun 16 j 20:09	28°♌44'10		
	-6948 Jul 15 j 05:00	0°♍		
evening set	-6948 Oct 18 j 19:33	17°♍16'03		
conjunction	-6948 Oct 31 j 12:45	20°♍14'39	0°33'13	
minimum elong	-6948 Oct 31 j 12:48	20°♍14'41	0°33'20	
max. Earth dist.	-6948 Oct 31 j 09:29	20°♍12'44	6.12726 AU	
morning rise	-6948 Nov 13 j 08:09	23°♍14'34		
	-6948 Dec 13 j 07:31	0°♎		
retrograde	-6947 Mar 23 j 02:12	12°♎41'51		
opposition	-6947 May 23 j 02:17	7°♎42'38	0°09'15	
min. Earth dist.	-6947 May 22 j 20:26	7°♎44'33	4.08753 AU	
desc. node	-6947 Jul 06 j 22:07	3°♎10'36		
direct	-6947 Jul 21 j 10:18	2°♎49'44		
evening set	-6947 Nov 21 j 23:07	21°♎40'35		
conjunction	-6947 Dec 05 j 00:31	24°♎45'50	-0°20'38	
minimum elong	-6947 Dec 05 j 00:29	24°♎45'48	0°20'48	
max. Earth dist.	-6947 Dec 05 j 20:23	24°♎57'35	6.05790 AU	
morning rise	-6947 Dec 18 j 05:11	27°♎52'54		
	-6947 Dec 27 j 06:58	0°♏		
	-6946 Mar 15 j 22:07	15°♏		
retrograde	-6946 Apr 28 j 21:30	17°♏55'07		
	-6946 Jun 11 j 21:59	15°℞♏		
opposition	-6946 Jun 28 j 09:28	12°♏52'10	-1°10'19	
min. Earth dist.	-6946 Jun 27 j 13:07	12°♏58'58	4.04127 AU	
direct	-6946 Aug 25 j 16:51	7°♏58'21		
	-6946 Nov 01 j 23:28	15°♏		
evening set	-6946 Dec 27 j 20:32	27°♏04'23		
	-6945 Jan 09 j 06:17	0°♐		
conjunction	-6945 Jan 10 j 05:29	0°♐13'43	-1°07'50	
minimum elong	-6945 Jan 10 j 05:25	0°♐13'40	1°08'12	
max. Earth dist.	-6945 Jan 11 j 17:47	0°♐35'10	6.03791 AU	
morning rise	-6945 Jan 23 j 17:52	3°♐24'47		
retrograde	-6945 Jun 04 j 09:08	23°♐31'14		
min. Earth dist.	-6945 Aug 02 j 04:07	18°♐35'10	4.05113 AU	
opposition	-6945 Aug 03 j 06:34	18°♐26'10	-2°04'16	
direct	-6945 Sep 30 j 08:40	13°♐29'31		
	-6944 Jan 22 j 04:44	0°♑		
evening set	-6944 Feb 02 j 18:13	2°♑39'27		
conjunction	-6944 Feb 16 j 09:04	5°♑49'29	-1°29'55	
minimum elong	-6944 Feb 16 j 09:04	5°♑49'28	1°30'22	
max. Earth dist.	-6944 Feb 18 j 02:42	6°♑13'44	6.07543 AU	
morning rise	-6944 Mar 01 j 01:52	9°♑00'26		
retrograde	-6944 Jul 08 j 16:01	28°♑36'24		
min. Earth dist.	-6944 Sep 05 j 02:07	23°♑39'39	4.11311 AU	
opposition	-6944 Sep 06 j 00:59	23°♑31'50	-2°11'44	
direct	-6944 Nov 03 j 15:45	18°♑31'44		
	-6943 Feb 04 j 03:03	0°♒		
evening set	-6943 Mar 10 j 11:44	7°♒31'07		
conjunction	-6943 Mar 24 j 05:27	10°♒38'53	-1°19'12	
minimum elong	-6943 Mar 24 j 05:31	10°♒38'55	1°19'36	
max. Earth dist.	-6943 Mar 25 j 10:11	10°♒55'16	6.15608 AU	
morning rise	-6943 Apr 06 j 23:30	13°♒46'35		
	-6943 Apr 12 j 09:45	15°♒		
	-6943 Jul 02 j 05:18	0°♓		
retrograde	-6943 Aug 11 j 04:42	2°♓30'49		
	-6943 Sep 19 j 23:29	30°℞♒		
opposition	-6943 Oct 09 j 10:27	27°♒28'57	-1°33'27	
min. Earth dist.	-6943 Oct 08 j 22:02	27°♒33'10	4.20371 AU	
direct	-6943 Dec 08 j 03:23	22°♒26'04		
	-6942 Feb 20 j 03:52	0°♓		
evening set	-6942 Apr 15 j 01:06	11°♓05'40		
conjunction	-6942 Apr 28 j 17:36	14°♓09'01	-0°42'00	
minimum elong	-6942 Apr 28 j 17:39	14°♓09'03	0°42'11	
max. Earth dist.	-6942 Apr 29 j 01:50	14°♓13'38	6.25033 AU	
morning rise	-6942 May 12 j 08:05	17°♓11'15		
	-6942 Jul 15 j 21:21	0°♈		
retrograde	-6942 Sep 12 j 08:11	5°♈04'05		
opposition	-6942 Nov 10 j 16:52	0°♈06'05	-0°26'50	
min. Earth dist.	-6942 Nov 10 j 18:58	0°♈05'23	4.29235 AU	
	-6942 Nov 11 j 11:07	30°℞♓		
direct	-6941 Jan 10 j 16:32	25°♓02'03		
	-6941 Mar 11 j 06:34	0°♈		
asc. node	-6941 Apr 03 j 17:43	4°♈00'08		
evening set	-6941 May 19 j 00:41	13°♈21'22		

Attention, astronomical year style is used: The year -6941 in astronomical counting style is the year 6942 BCE in historical counting style.

conjunction	-6941 Jun 01 j 10:42	16°♈18'59	0°07'25
minimum elong	-6941 Jun 01 j 10:41	16°♈18'59	0°07'31
behind sun begin	-6941 Jun 01 j 03:15	16°♈14'53	
behind sun end	-6941 Jun 01 j 18:07	16°♈23'04	
max. Earth dist.	-6941 May 31 j 19:46	16°♈10'44	6.32711 AU
morning rise	-6941 Jun 14 j 17:35	19°♈14'57	
	-6941 Aug 06 j 21:58	0°♉	
retrograde	-6941 Oct 13 j 14:51	6°♉33'22	
opposition	-6941 Dec 12 j 09:29	1°♉38'53	0°45'36
min. Earth dist.	-6941 Dec 13 j 01:01	1°♉33'48	4.35180 AU
	-6941 Dec 25 j 05:45	30°℞♈	
direct	-6940 Feb 12 j 10:12	26°♈35'17	
	-6940 Apr 01 j 15:19	0°♉	
evening set	-6940 Jun 19 j 13:26	14°♉40'49	
	-6940 Jun 21 j 00:27	15°♉	
max. Earth dist.	-6940 Jul 01 j 07:51	17°♉16'17	6.36423 AU
conjunction	-6940 Jul 02 j 14:03	17°♉32'58	0°53'37
minimum elong	-6940 Jul 02 j 13:59	17°♉32'56	0°53'55
morning rise	-6940 Jul 15 j 11:05	20°♉23'24	
	-6940 Aug 31 j 08:18	0°♊	
retrograde	-6940 Nov 12 j 20:23	7°♊31'30	
opposition	-6939 Jan 12 j 04:12	2°♊39'24	1°43'53
min. Earth dist.	-6939 Jan 13 j 04:53	2°♊31'29	4.36531 AU
	-6939 Feb 03 j 00:08	30°℞♉	
direct	-6939 Mar 15 j 17:30	27°♉37'41	
	-6939 Apr 25 j 11:23	0°♊	
evening set	-6939 Jul 21 j 02:36	15°♊38'41	
max. Earth dist.	-6939 Aug 01 j 03:29	18°♊05'53	6.35165 AU
conjunction	-6939 Aug 02 j 18:07	18°♊27'25	1°24'11
minimum elong	-6939 Aug 02 j 18:04	18°♊27'24	1°24'39
morning rise	-6939 Aug 15 j 07:11	21°♊14'58	
	-6939 Sep 26 j 02:23	0°♋	
retrograde	-6939 Dec 14 j 20:31	8°♋37'22	
opposition	-6938 Feb 13 j 16:18	3°♋45'52	2°12'52
min. Earth dist.	-6938 Feb 14 j 19:48	3°♋37'07	4.32871 AU
	-6938 Mar 19 j 09:16	30°℞♊	
direct	-6938 Apr 17 j 02:57	28°♊46'50	
	-6938 May 15 j 19:18	0°♋	
evening set	-6938 Aug 21 j 07:01	16°♋52'28	
max. Earth dist.	-6938 Sep 01 j 08:11	19°♋22'16	6.29316 AU
conjunction	-6938 Sep 02 j 17:59	19°♋41'25	1°30'41
minimum elong	-6938 Sep 02 j 18:00	19°♋41'26	1°31'08
morning rise	-6938 Sep 15 j 03:42	22°♋29'56	
	-6938 Oct 19 j 21:01	0°♌	
retrograde	-6937 Jan 17 j 02:53	10°♌27'24	
opposition	-6937 Mar 19 j 08:13	5°♌34'35	2°03'13
min. Earth dist.	-6937 Mar 20 j 05:02	5°♌27'58	4.25229 AU
direct	-6937 May 19 j 23:28	0°♌38'35	
	-6937 Sep 04 j 09:48	15°♌	
evening set	-6937 Sep 21 j 20:52	18°♌56'15	
max. Earth dist.	-6937 Oct 03 j 11:55	21°♌37'07	6.20546 AU
conjunction	-6937 Oct 04 j 08:57	21°♌49'16	1°09'54
minimum elong	-6937 Oct 04 j 09:01	21°♌49'19	1°10'13
morning rise	-6937 Oct 16 j 21:51	24°♌42'53	
	-6937 Nov 09 j 11:11	0°♍	
retrograde	-6936 Feb 21 j 01:34	13°♍28'20	
opposition	-6936 Apr 22 j 07:23	8°♍32'29	1°14'04
min. Earth dist.	-6936 Apr 22 j 15:20	8°♍29'56	4.15866 AU
direct	-6936 Jun 21 j 18:08	3°♍38'47	
evening set	-6936 Oct 23 j 14:04	22°♍13'29	
conjunction	-6936 Nov 05 j 08:25	25°♍13'06	0°25'54
minimum elong	-6936 Nov 05 j 08:27	25°♍13'08	0°26'00
max. Earth dist.	-6936 Nov 05 j 09:12	25°♍13'34	6.11531 AU
morning rise	-6936 Nov 18 j 05:06	28°♍14'08	
	-6936 Nov 25 j 19:34	0°♎	
retrograde	-6935 Mar 28 j 07:23	17°♎47'27	
desc. node	-6935 May 16 j 08:00	14°♎19'56	
opposition	-6935 May 28 j 06:35	12°♎47'39	-0°02'28
min. Earth dist.	-6935 May 27 j 21:42	12°♎50'34	4.07905 AU
direct	-6935 Jul 26 j 09:46	7°♎54'48	
evening set	-6935 Nov 26 j 23:48	26°♎47'37	
conjunction	-6935 Dec 10 j 02:12	29°♎53'30	-0°28'14
minimum elong	-6935 Dec 10 j 02:09	29°♎53'29	0°28'25
	-6935 Dec 10 j 13:11	0°♏	
max. Earth dist.	-6935 Dec 11 j 00:43	0°♏06'50	6.05356 AU
morning rise	-6935 Dec 23 j 08:07	3°♏01'16	
	-6934 Feb 16 j 15:40	15°♏	
retrograde	-6934 May 04 j 02:07	23°♏05'15	
opposition	-6934 Jul 03 j 12:54	18°♏01'47	-1°20'09
min. Earth dist.	-6934 Jul 02 j 14:53	18°♏09'10	4.04168 AU
	-6934 Jul 28 j 00:02	15°℞♏	
direct	-6934 Aug 30 j 19:16	13°♏07'36	
	-6934 Oct 03 j 10:30	15°♏	
	-6934 Dec 23 j 11:10	0°♐	
evening set	-6933 Jan 02 j 00:57	2°♐13'50	
conjunction	-6933 Jan 15 j 10:57	5°♐23'20	-1°12'47
minimum elong	-6933 Jan 15 j 10:52	5°♐23'17	1°13'11
max. Earth dist.	-6933 Jan 17 j 02:25	5°♐46'36	6.04285 AU
morning rise	-6933 Jan 28 j 23:57	8°♐34'24	
retrograde	-6933 Jun 09 j 11:19	28°♐37'11	
min. Earth dist.	-6933 Aug 07 j 04:00	23°♐40'54	4.06024 AU
opposition	-6933 Aug 08 j 06:07	23°♐32'01	-2°08'15
direct	-6933 Oct 05 j 09:19	18°♐34'53	
	-6932 Jan 04 j 07:15	0°♑	
evening set	-6932 Feb 07 j 22:40	7°♑42'49	
conjunction	-6932 Feb 21 j 13:53	10°♑52'30	-1°30'20
minimum elong	-6932 Feb 21 j 13:53	10°♑52'30	1°30'47
max. Earth dist.	-6932 Feb 23 j 05:17	11°♑15'22	6.08748 AU
morning rise	-6932 Mar 06 j 07:10	14°♑03'01	
	-6932 May 26 j 11:32	0°♒	
retrograde	-6932 Jul 13 j 09:33	3°♒31'36	
	-6932 Aug 30 j 07:12	30°℞♑	
opposition	-6932 Sep 10 j 18:53	28°♑27'14	-2°08'47
min. Earth dist.	-6932 Sep 09 j 20:52	28°♑34'46	4.12683 AU
direct	-6932 Nov 08 j 12:24	23°♑26'39	
	-6931 Jan 14 j 14:40	0°♒	
evening set	-6931 Mar 15 j 12:29	12°♒22'54	
	-6931 Mar 27 j 01:27	15°♒	
conjunction	-6931 Mar 29 j 06:23	15°♒30'06	-1°15'19
minimum elong	-6931 Mar 29 j 06:27	15°♒30'09	1°15'40
max. Earth dist.	-6931 Mar 30 j 08:40	15°♒45'03	6.17046 AU
morning rise	-6931 Apr 12 j 00:04	18°♒37'03	
	-6931 Jun 05 j 17:05	0°♓	
retrograde	-6931 Aug 15 j 18:36	7°♓13'25	
opposition	-6931 Oct 13 j 23:36	2°♓12'04	-1°25'21
min. Earth dist.	-6931 Oct 13 j 14:02	2°♓15'19	4.21715 AU
	-6931 Oct 30 j 19:51	30°℞♒	
direct	-6931 Dec 12 j 21:15	27°♒08'56	
	-6930 Jan 25 j 08:28	0°♓	
evening set	-6930 Apr 19 j 20:46	15°♓45'36	
conjunction	-6930 May 03 j 12:40	18°♓48'16	-0°35'30
minimum elong	-6930 May 03 j 12:43	18°♓48'18	0°35'39
max. Earth dist.	-6930 May 03 j 16:42	18°♓50'31	6.26182 AU
morning rise	-6930 May 17 j 02:26	21°♓49'44	

Attention, astronomical year style is used: The year -6930 in astronomical counting style is the year 6931 BCE in historical counting style.

	-6930 Jun 24 j 18:14	0°♈	
retrograde	-6930 Sep 16 j 17:05	9°♈37'03	
opposition	-6930 Nov 15 j 03:25	4°♈39'34	-0°16'36
min. Earth dist.	-6930 Nov 15 j 07:26	4°♈38'14	4.30107 AU
	-6930 Dec 30 j 04:33	30°℞♓	
direct	-6929 Jan 15 j 06:25	29°♓35'29	
	-6929 Jan 31 j 13:02	0°♈	
asc. node	-6929 Feb 11 j 18:35	0°♈44'05	
evening set	-6929 May 23 j 15:35	17°♈53'13	
max. Earth dist.	-6929 Jun 05 j 07:14	20°♈40'37	6.33252 AU
conjunction	-6929 Jun 06 j 00:30	20°♈50'09	0°14'21
minimum elong	-6929 Jun 06 j 00:28	20°♈50'09	0°14'28
behind sun begin	-6929 Jun 05 j 20:58	20°♈48'13	
behind sun end	-6929 Jun 06 j 03:58	20°♈52'04	
morning rise	-6929 Jun 19 j 06:04	23°♈45'23	
	-6929 Jul 18 j 14:34	0°♉	
retrograde	-6929 Oct 18 j 00:26	11°♉01'54	
opposition	-6929 Dec 16 j 20:14	6°♉07'56	0°55'00
min. Earth dist.	-6929 Dec 17 j 13:42	6°♉02'14	4.35365 AU
direct	-6928 Feb 16 j 23:35	1°♉04'35	
	-6928 Jun 04 j 16:38	15°♉	
evening set	-6928 Jun 24 j 01:25	19°♉10'03	
max. Earth dist.	-6928 Jul 05 j 15:41	21°♉43'29	6.36221 AU
conjunction	-6928 Jul 07 j 00:39	22°♉01'43	0°59'04
minimum elong	-6928 Jul 07 j 00:35	22°♉01'41	0°59'24
morning rise	-6928 Jul 19 j 20:34	24°♉51'45	
	-6928 Aug 12 j 19:01	0°♊	
retrograde	-6928 Nov 17 j 08:18	12°♊01'34	
opposition	-6927 Jan 16 j 17:29	7°♊09'42	1°50'00
min. Earth dist.	-6927 Jan 17 j 18:58	7°♊01'31	4.35994 AU
direct	-6927 Mar 20 j 07:05	2°♊08'19	
evening set	-6927 Jul 25 j 13:23	20°♊10'37	
max. Earth dist.	-6927 Aug 05 j 15:06	22°♊38'36	6.34337 AU
conjunction	-6927 Aug 07 j 04:07	22°♊59'18	1°26'40
minimum elong	-6927 Aug 07 j 04:05	22°♊59'16	1°27'07
morning rise	-6927 Aug 19 j 16:16	25°♊46'49	
	-6927 Sep 08 j 00:15	0°♋	
retrograde	-6927 Dec 19 j 12:01	13°♋13'51	
opposition	-6926 Feb 18 j 09:50	8°♋22'19	2°13'55
min. Earth dist.	-6926 Feb 19 j 12:17	8°♋13'56	4.31822 AU
direct	-6926 Apr 21 j 18:12	3°♋23'50	
evening set	-6926 Aug 25 j 18:39	21°♋31'15	
max. Earth dist.	-6926 Sep 05 j 20:11	24°♋01'46	6.28129 AU
conjunction	-6926 Sep 07 j 05:17	24°♋20'35	1°29'20
minimum elong	-6926 Sep 07 j 05:19	24°♋20'36	1°29'46
morning rise	-6926 Sep 19 j 15:14	27°♋09'40	
	-6926 Oct 02 j 07:45	0°♌	
	-6925 Jan 10 j 00:17	15°♌	
retrograde	-6925 Jan 22 j 01:18	15°♌13'33	
	-6925 Feb 03 j 02:19	15°℞♌	
opposition	-6925 Mar 24 j 06:36	10°♌20'22	1°58'25
min. Earth dist.	-6925 Mar 25 j 01:47	10°♌14'16	4.23971 AU
direct	-6925 May 24 j 18:40	5°♌24'45	
	-6925 Aug 17 j 07:00	15°♌	
evening set	-6925 Sep 26 j 11:11	23°♌44'20	
max. Earth dist.	-6925 Oct 08 j 06:59	26°♌28'18	6.19347 AU
conjunction	-6925 Oct 09 j 00:01	26°♌38'10	1°04'47
minimum elong	-6925 Oct 09 j 00:05	26°♌38'12	1°05'04
morning rise	-6925 Oct 21 j 13:40	29°♌32'39	
	-6925 Oct 23 j 13:15	0°♍	
retrograde	-6924 Feb 26 j 03:29	18°♍24'30	
opposition	-6924 Apr 27 j 09:10	13°♍28'10	1°04'18
min. Earth dist.	-6924 Apr 27 j 14:24	13°♍26'29	4.14804 AU
direct	-6924 Jun 26 j 14:56	8°♍34'45	
evening set	-6924 Oct 28 j 09:03	27°♍11'10	
	-6924 Nov 09 j 08:35	0°♎	
conjunction	-6924 Nov 10 j 04:18	0°♎11'36	0°18'25
minimum elong	-6924 Nov 10 j 04:20	0°♎11'37	0°18'28
max. Earth dist.	-6924 Nov 10 j 07:25	0°♎13'25	6.10690 AU
morning rise	-6924 Nov 23 j 02:19	3°♎13'33	
desc. node	-6923 Mar 25 j 23:20	22°♎46'11	
retrograde	-6923 Apr 02 j 10:55	22°♎51'33	
opposition	-6923 Jun 02 j 09:37	17°♎51'09	-0°14'08
min. Earth dist.	-6923 Jun 01 j 22:24	17°♎54'50	4.07345 AU
direct	-6923 Jul 31 j 09:35	12°♎58'13	
	-6923 Nov 23 j 23:28	0°♏	
evening set	-6923 Dec 01 j 23:33	1°♏52'22	
conjunction	-6923 Dec 15 j 03:11	4°♏58'51	-0°35'34
minimum elong	-6923 Dec 15 j 03:08	4°♏58'49	0°35'47
max. Earth dist.	-6923 Dec 16 j 05:40	5°♏14'31	6.05125 AU
morning rise	-6923 Dec 28 j 10:04	8°♏07'08	
	-6922 Jan 27 j 16:10	15°♏	
retrograde	-6922 May 09 j 06:49	28°♏12'05	
opposition	-6922 Jul 08 j 14:33	23°♏08'18	-1°29'17
min. Earth dist.	-6922 Jul 07 j 16:04	23°♏15'51	4.04313 AU
direct	-6922 Sep 04 j 20:03	18°♏13'48	
	-6922 Dec 05 j 17:58	0°♐	
evening set	-6921 Jan 07 j 04:26	7°♐20'19	
conjunction	-6921 Jan 20 j 15:04	10°♐29'53	-1°17'08
minimum elong	-6921 Jan 20 j 15:00	10°♐29'50	1°17'34
max. Earth dist.	-6921 Jan 22 j 05:55	10°♐52'44	6.04758 AU
morning rise	-6921 Feb 03 j 04:57	13°♐41'02	
	-6921 Apr 26 j 05:13	0°♑	
retrograde	-6921 Jun 14 j 09:21	3°♑40'16	
	-6921 Aug 02 j 15:17	30°℞♐	
min. Earth dist.	-6921 Aug 12 j 01:13	28°♐44'05	4.06803 AU
opposition	-6921 Aug 13 j 03:42	28°♐35'03	-2°11'18
direct	-6921 Oct 10 j 07:30	23°♐37'24	
	-6921 Dec 14 j 10:37	0°♑	
evening set	-6920 Feb 13 j 02:17	12°♑44'16	
conjunction	-6920 Feb 26 j 18:10	15°♑53'44	-1°30'07
minimum elong	-6920 Feb 26 j 18:11	15°♑53'44	1°30'35
max. Earth dist.	-6920 Feb 28 j 08:37	16°♑16'00	6.09768 AU
morning rise	-6920 Mar 11 j 11:36	19°♑03'51	
	-6920 May 01 j 14:14	0°♒	
retrograde	-6920 Jul 18 j 04:32	8°♒25'46	
opposition	-6920 Sep 15 j 12:02	3°♒21'45	-2°05'01
min. Earth dist.	-6920 Sep 14 j 16:29	3°♒28'26	4.13828 AU
	-6920 Oct 12 j 15:06	30°℞♑	
direct	-6920 Nov 13 j 09:42	28°♑20'43	
	-6920 Dec 15 j 12:02	0°♒	
	-6919 Mar 10 j 12:19	15°♒	
evening set	-6919 Mar 20 j 13:03	17°♒14'43	
conjunction	-6919 Apr 03 j 07:01	20°♒21'28	-1°10'55
minimum elong	-6919 Apr 03 j 07:05	20°♒21'31	1°11'14
max. Earth dist.	-6919 Apr 04 j 06:19	20°♒34'41	6.18226 AU
morning rise	-6919 Apr 17 j 00:31	23°♒27'49	
	-6919 May 17 j 00:07	0°♓	
retrograde	-6919 Aug 20 j 06:50	11°♓57'12	
opposition	-6919 Oct 18 j 12:56	6°♓56'21	-1°16'42
min. Earth dist.	-6919 Oct 18 j 04:38	6°♓59'10	4.22819 AU
direct	-6919 Dec 17 j 13:53	1°♓52'57	
evening set	-6918 Apr 24 j 16:53	20°♓27'26	

Attention, astronomical year style is used: The year -6918 in astronomical counting style is the year 6919 BCE in historical counting style.

conjunction	-6918 May 08 j 08:04	23°♓29'26	-0°28'44
minimum elong	-6918 May 08 j 08:07	23°♓29'27	0°28'50
max. Earth dist.	-6918 May 08 j 08:22	23°♓29'35	6.27141 AU
morning rise	-6918 May 21 j 20:58	26°♓30'08	
	-6918 Jun 06 j 21:24	0°♈	
retrograde	-6918 Sep 21 j 04:52	14°♈12'35	
opposition	-6918 Nov 19 j 15:04	9°♈15'40	-0°06'11
min. Earth dist.	-6918 Nov 19 j 21:55	9°♈13'23	4.30838 AU
asc. node	-6918 Dec 22 j 11:20	5°♈26'27	
direct	-6917 Jan 19 j 22:54	4°♈11'34	
evening set	-6917 May 28 j 07:29	22°♈27'56	
conjunction	-6917 Jun 10 j 15:14	25°♈24'12	0°21'18
minimum elong	-6917 Jun 10 j 15:12	25°♈24'11	0°21'27
max. Earth dist.	-6917 Jun 09 j 19:23	25°♈13'14	6.33695 AU
morning rise	-6917 Jun 23 j 19:30	28°♈18'43	
	-6917 Jul 01 j 12:57	0°♉	
	-6917 Oct 03 j 19:03	15°♉	
retrograde	-6917 Oct 22 j 10:11	15°♉33'33	
	-6917 Nov 10 j 02:13	15°℞♉	
opposition	-6917 Dec 21 j 08:11	10°♉39'56	1°04'13
min. Earth dist.	-6917 Dec 22 j 02:26	10°♉34'00	4.35528 AU
direct	-6916 Feb 21 j 12:56	5°♉36'46	
	-6916 May 17 j 15:29	15°♉	
evening set	-6916 Jun 28 j 14:14	23°♉42'01	
max. Earth dist.	-6916 Jul 10 j 02:56	26°♉14'45	6.36093 AU
conjunction	-6916 Jul 11 j 12:08	26°♉33'09	1°04'16
minimum elong	-6916 Jul 11 j 12:04	26°♉33'07	1°04'38
morning rise	-6916 Jul 24 j 06:44	29°♉22'41	
	-6916 Jul 27 j 02:39	0°♊	
retrograde	-6916 Nov 21 j 21:25	16°♊33'56	
opposition	-6915 Jan 21 j 08:03	11°♊42'15	1°55'33
min. Earth dist.	-6915 Jan 22 j 10:08	11°♊33'55	4.35613 AU
direct	-6915 Mar 24 j 22:17	6°♊41'18	
evening set	-6915 Jul 30 j 00:32	24°♊43'54	
max. Earth dist.	-6915 Aug 10 j 00:41	27°♊11'21	6.33722 AU
conjunction	-6915 Aug 11 j 14:17	27°♊32'25	1°28'40
minimum elong	-6915 Aug 11 j 14:15	27°♊32'24	1°29'07
	-6915 Aug 22 j 14:07	0°♋	
morning rise	-6915 Aug 24 j 01:51	0°♋19'55	
retrograde	-6915 Dec 24 j 04:36	17°♋50'48	
opposition	-6914 Feb 23 j 03:53	12°♋59'06	2°14'10
min. Earth dist.	-6914 Feb 24 j 05:08	12°♋51'05	4.31034 AU
direct	-6914 Apr 26 j 10:02	8°♋01'00	
evening set	-6914 Aug 30 j 05:54	26°♋09'06	
max. Earth dist.	-6914 Sep 10 j 10:53	28°♋41'51	6.27243 AU
conjunction	-6914 Sep 11 j 16:34	28°♋58'45	1°27'26
minimum elong	-6914 Sep 11 j 16:36	28°♋58'47	1°27'52
	-6914 Sep 16 j 04:01	0°♌	
morning rise	-6914 Sep 24 j 02:29	1°♌48'14	
	-6914 Nov 28 j 23:56	15°♌	
retrograde	-6913 Jan 26 j 21:52	19°♌57'16	
opposition	-6913 Mar 29 j 04:03	15°♌03'45	1°52'52
	-6913 Mar 29 j 15:49	15°℞♌	
min. Earth dist.	-6913 Mar 29 j 21:33	14°♌58'10	4.23035 AU
direct	-6913 May 29 j 12:35	10°♌08'31	
	-6913 Jul 26 j 10:32	15°♌	
evening set	-6913 Oct 01 j 00:34	28°♌28'56	
	-6913 Oct 07 j 14:08	0°♍	
conjunction	-6913 Oct 13 j 13:52	1°♍23'24	0°59'19
minimum elong	-6913 Oct 13 j 13:56	1°♍23'26	0°59'35
max. Earth dist.	-6913 Oct 12 j 22:22	1°♍14'24	6.18438 AU
morning rise	-6913 Oct 26 j 04:34	4°♍18'42	
retrograde	-6912 Mar 02 j 03:07	23°♍16'00	
opposition	-6912 May 02 j 09:07	18°♍19'03	0°54'14
min. Earth dist.	-6912 May 02 j 11:45	18°♍18'12	4.13970 AU
direct	-6912 Jul 01 j 10:54	13°♍25'46	
	-6912 Oct 24 j 05:44	0°♎	
evening set	-6912 Nov 02 j 02:05	2°♎03'20	
conjunction	-6912 Nov 14 j 22:32	5°♎04'32	0°10'56
minimum elong	-6912 Nov 14 j 22:34	5°♎04'32	0°10'56
behind sun begin	-6912 Nov 14 j 16:24	5°♎00'56	
behind sun end	-6912 Nov 15 j 04:43	5°♎08'09	
max. Earth dist.	-6912 Nov 15 j 05:57	5°♎08'53	6.10018 AU
morning rise	-6912 Nov 27 j 21:36	8°♎07'17	
desc. node	-6911 Feb 03 j 06:25	22°♎07'11	
retrograde	-6911 Apr 07 j 13:35	27°♎49'15	
opposition	-6911 Jun 07 j 10:13	22°♎48'22	-0°25'29
min. Earth dist.	-6911 Jun 06 j 21:58	22°♎52'24	4.06894 AU
direct	-6911 Aug 05 j 07:41	17°♎55'21	
	-6911 Nov 06 j 20:24	0°♏	
evening set	-6911 Dec 06 j 21:39	6°♏50'49	
conjunction	-6911 Dec 20 j 02:07	9°♏57'46	-0°42'30
minimum elong	-6911 Dec 20 j 02:03	9°♏57'44	0°42'44
max. Earth dist.	-6911 Dec 21 j 05:04	10°♏13'43	6.04913 AU
morning rise	-6910 Jan 02 j 10:14	13°♏06'38	
	-6910 Jan 10 j 12:33	15°♏	
	-6910 Mar 29 j 05:01	0°♐	
retrograde	-6910 May 14 j 06:34	3°♐12'24	
	-6910 Jun 29 j 09:30	30°℞♏	
opposition	-6910 Jul 13 j 13:15	28°♏08'19	-1°37'35
min. Earth dist.	-6910 Jul 12 j 13:20	28°♏16'23	4.04386 AU
direct	-6910 Sep 09 j 16:50	23°♏13'27	
	-6910 Nov 15 j 14:49	0°♐	
evening set	-6909 Jan 12 j 06:00	12°♐20'54	
conjunction	-6909 Jan 25 j 17:36	15°♐30'42	-1°20'51
minimum elong	-6909 Jan 25 j 17:33	15°♐30'40	1°21'16
max. Earth dist.	-6909 Jan 27 j 09:20	15°♐54'03	6.05099 AU
morning rise	-6909 Feb 08 j 08:02	18°♐41'55	
	-6909 Apr 01 j 11:19	0°♑	
retrograde	-6909 Jun 19 j 08:10	8°♑38'18	
opposition	-6909 Aug 17 j 23:34	3°♑33'09	-2°13'22
min. Earth dist.	-6909 Aug 16 j 22:43	3°♑41'38	4.07380 AU
	-6909 Sep 16 j 03:52	30°℞♐	
direct	-6909 Oct 15 j 05:08	28°♐35'04	
	-6909 Nov 13 j 10:09	0°♑	
evening set	-6908 Feb 18 j 04:28	17°♑41'42	
conjunction	-6908 Mar 02 j 20:54	20°♑51'05	-1°29'15
minimum elong	-6908 Mar 02 j 20:56	20°♑51'06	1°29'42
max. Earth dist.	-6908 Mar 04 j 10:00	21°♑12'30	6.10533 AU
morning rise	-6908 Mar 16 j 14:42	24°♑01'00	
	-6908 Apr 12 j 10:26	0°♒	
retrograde	-6908 Jul 22 j 21:09	13°♒17'19	
min. Earth dist.	-6908 Sep 19 j 09:16	8°♒20'12	4.14715 AU
opposition	-6908 Sep 20 j 04:16	8°♒13'42	-2°00'26
direct	-6908 Nov 18 j 03:54	3°♒12'20	
	-6907 Feb 20 j 23:18	15°♒	
evening set	-6907 Mar 25 j 13:08	22°♒05'08	
conjunction	-6907 Apr 08 j 07:01	25°♒11'29	-1°06'03
minimum elong	-6907 Apr 08 j 07:06	25°♒11'32	1°06'21
max. Earth dist.	-6907 Apr 09 j 02:39	25°♒22'36	6.19187 AU
morning rise	-6907 Apr 22 j 00:18	28°♒17'20	
	-6907 Apr 29 j 16:11	0°♓	
retrograde	-6907 Aug 24 j 21:28	16°♓40'44	
opposition	-6907 Oct 23 j 02:28	11°♓40'27	-1°07'34

Attention, astronomical year style is used: The year -6907 in astronomical counting style is the year 6908 BCE in historical counting style.

min. Earth dist.	-6907 Oct 22 j 20:54	11°♓42'20	4.23754 AU	
direct	-6907 Dec 22 j 08:39	6°♓36'53		
evening set	-6906 Apr 29 j 12:53	25°♓09'38		
conjunction	-6906 May 13 j 03:28	28°♓11'02	-0°21'46	
minimum elong	-6906 May 13 j 03:30	28°♓11'03	0°21'49	
max. Earth dist.	-6906 May 13 j 02:08	28°♓10'17	6.28004 AU	
	-6906 May 21 j 07:15	0°♈		
morning rise	-6906 May 26 j 15:20	1°♈10'59		
retrograde	-6906 Sep 25 j 15:03	18°♈49'00		
asc. node	-6906 Nov 01 j 03:48	16°♈43'21		
opposition	-6906 Nov 24 j 03:08	13°♈52'35	0°04'19	
min. Earth dist.	-6906 Nov 24 j 10:34	13°♈50'08	4.31569 AU	
direct	-6905 Jan 24 j 13:14	8°♈48'34		
evening set	-6905 Jun 01 j 23:07	27°♈03'19		
max. Earth dist.	-6905 Jun 14 j 07:10	29°♈46'29	6.34238 AU	
conjunction	-6905 Jun 15 j 05:27	29°♈58'48	0°28'08	
minimum elong	-6905 Jun 15 j 05:24	29°♈58'46	0°28'19	
	-6905 Jun 15 j 07:37	0°♉		
morning rise	-6905 Jun 28 j 08:27	2°♉52'33		
	-6905 Aug 28 j 22:00	15°♉		
retrograde	-6905 Oct 26 j 21:57	20°♉05'31		
opposition	-6905 Dec 25 j 20:41	15°♉12'15	1°13'02	
min. Earth dist.	-6905 Dec 26 j 16:48	15°♉05'44	4.35842 AU	
	-6905 Dec 27 j 10:28	15°℞♉		
direct	-6904 Feb 26 j 04:31	10°♉09'20		
	-6904 Apr 25 j 16:25	15°♉		
evening set	-6904 Jul 03 j 02:06	28°♉13'25		
	-6904 Jul 11 j 03:16	0°♊		
conjunction	-6904 Jul 15 j 22:44	1°♊03'59	1°09'04	
minimum elong	-6904 Jul 15 j 22:40	1°♊03'56	1°09'26	
max. Earth dist.	-6904 Jul 14 j 12:35	0°♊45'03	6.36118 AU	
morning rise	-6904 Jul 28 j 16:03	3°♊52'58		
retrograde	-6904 Nov 26 j 08:48	21°♊05'15		
opposition	-6903 Jan 25 j 22:02	16°♊13'37	2°00'24	
min. Earth dist.	-6903 Jan 26 j 23:38	16°♊05'26	4.35354 AU	
direct	-6903 Mar 29 j 11:10	11°♊12'59		
evening set	-6903 Aug 03 j 10:24	29°♊15'25		
	-6903 Aug 06 j 18:26	0°♋		
max. Earth dist.	-6903 Aug 14 j 10:55	1°♋43'19	6.33173 AU	
conjunction	-6903 Aug 15 j 23:21	2°♋03'46	1°30'08	
minimum elong	-6903 Aug 15 j 23:20	2°♋03'45	1°30'36	
morning rise	-6903 Aug 28 j 10:14	4°♋51'12		
retrograde	-6903 Dec 28 j 21:00	22°♋25'54		
opposition	-6902 Feb 27 j 21:05	17°♋34'04	2°13'36	
min. Earth dist.	-6902 Feb 28 j 22:24	17°♋26'02	4.30205 AU	
direct	-6902 May 01 j 01:40	12°♋36'22		
	-6902 Aug 31 j 07:45	0°♌		
evening set	-6902 Sep 03 j 15:57	0°♌45'19		
max. Earth dist.	-6902 Sep 14 j 21:04	3°♌18'33	6.26187 AU	
conjunction	-6902 Sep 16 j 02:34	3°♌35'23	1°25'02	
minimum elong	-6902 Sep 16 j 02:37	3°♌35'25	1°25'26	
morning rise	-6902 Sep 28 j 12:56	6°♌25'28		
	-6902 Nov 07 j 08:07	15°♌		
retrograde	-6901 Jan 31 j 17:56	24°♌40'37		
opposition	-6901 Apr 03 j 01:06	19°♌46'36	1°46'38	
min. Earth dist.	-6901 Apr 03 j 16:22	19°♌41'44	4.21804 AU	
	-6901 May 24 j 20:39	15°℞♌		
direct	-6901 Jun 03 j 05:09	14°♌51'41		
	-6901 Jun 12 j 14:33	15°♌		
	-6901 Sep 21 j 09:10	0°♍		
evening set	-6901 Oct 05 j 13:45	3°♍14'09		
conjunction	-6901 Oct 18 j 03:59	6°♍09'31	0°53'28	
minimum elong	-6901 Oct 18 j 04:03	6°♍09'33	0°53'42	
max. Earth dist.	-6901 Oct 17 j 16:15	6°♍02'41	6.17157 AU	
morning rise	-6901 Oct 30 j 19:31	9°♍05'47		
retrograde	-6900 Mar 07 j 05:06	28°♍09'57		
opposition	-6900 May 07 j 09:44	23°♍12'29	0°43'44	
min. Earth dist.	-6900 May 07 j 11:11	23°♍12'01	4.12720 AU	
direct	-6900 Jul 06 j 07:58	18°♍19'20		
	-6900 Oct 06 j 22:36	0°♎		
evening set	-6900 Nov 06 j 21:06	6°♎59'47		
conjunction	-6900 Nov 19 j 18:33	10°♎01'56	0°03'18	
minimum elong	-6900 Nov 19 j 18:33	10°♎01'57	0°03'15	
behind sun begin	-6900 Nov 19 j 10:30	9°♎57'13		
behind sun end	-6900 Nov 20 j 02:37	10°♎06'41		
max. Earth dist.	-6900 Nov 20 j 03:25	10°♎07'09	6.08910 AU	
morning rise	-6900 Dec 02 j 19:06	13°♎05'48		
desc. node	-6900 Dec 13 j 14:00	15°♎36'06		
	-6899 Feb 27 j 19:56	0°♏		
retrograde	-6899 Apr 12 j 17:03	2°♏53'15		
	-6899 May 26 j 19:41	30°℞♎		
opposition	-6899 Jun 12 j 12:37	27°♎51'49	-0°36'51	
min. Earth dist.	-6899 Jun 11 j 21:38	27°♎56'46	4.06041 AU	
direct	-6899 Aug 10 j 05:46	22°♎58'37		
	-6899 Oct 17 j 16:10	0°♏		
evening set	-6899 Dec 11 j 22:56	11°♏57'02		
	-6899 Dec 24 j 20:41	15°♏		
conjunction	-6899 Dec 25 j 04:40	15°♏04'44	-0°49'16	
minimum elong	-6899 Dec 25 j 04:36	15°♏04'41	0°49'34	
max. Earth dist.	-6899 Dec 26 j 10:49	15°♏22'35	6.04383 AU	
morning rise	-6898 Jan 07 j 13:44	18°♏14'14		