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

direct	-7400 Mar 07 j 14:47	2°♉07'59		
evening set	-7400 Jun 13 j 23:41	4°♉13'02		
max. Earth dist.	-7400 Jun 19 j 02:46	4°♉23'51	33.81524 AU	
conjunction	-7400 Jun 22 j 12:06	4°♉31'02	12°41'11	
minimum elong	-7400 Jun 22 j 11:40	4°♉30'59	12°41'26	
morning rise	-7400 Jun 30 j 22:28	4°♉48'52		
retrograde	-7400 Oct 02 j 10:11	6°♉49'46		
opposition	-7400 Dec 18 j 15:33	5°♉32'25	13°40'43	
min. Earth dist.	-7400 Dec 21 j 18:23	5°♉27'32	31.75645 AU	
direct	-7399 Mar 09 j 23:20	4°♉11'28		
evening set	-7399 Jun 17 j 00:33	6°♉19'17		
max. Earth dist.	-7399 Jun 21 j 11:29	6°♉28'47	33.59115 AU	
conjunction	-7399 Jun 24 j 20:29	6°♉36'00	13°04'10	
minimum elong	-7399 Jun 24 j 20:02	6°♉35'57	13°04'24	
morning rise	-7399 Jul 02 j 14:35	6°♉52'34		
retrograde	-7399 Oct 04 j 20:43	8°♉56'10		
opposition	-7399 Dec 21 j 00:35	7°♉38'21	14°05'05	
min. Earth dist.	-7399 Dec 24 j 03:11	7°♉33'28	31.53821 AU	
direct	-7398 Mar 12 j 06:18	6°♉16'57		
evening set	-7398 Jun 20 j 03:57	8°♉27'41		
max. Earth dist.	-7398 Jun 23 j 23:20	8°♉35'54	33.37246 AU	
conjunction	-7398 Jun 27 j 05:47	8°♉42'58	13°26'25	
minimum elong	-7398 Jun 27 j 05:21	8°♉42'55	13°26'42	
morning rise	-7398 Jul 04 j 05:53	8°♉58'05		
retrograde	-7398 Oct 07 j 07:05	11°♉04'33		
opposition	-7398 Dec 23 j 10:23	9°♉46'18	14°28'40	
min. Earth dist.	-7398 Dec 26 j 11:16	9°♉41'30	31.32567 AU	
direct	-7397 Mar 14 j 16:28	8°♉24'28		
evening set	-7397 Jun 23 j 09:56	10°♉38'21		
max. Earth dist.	-7397 Jun 26 j 09:51	10°♉44'53	33.15997 AU	
conjunction	-7397 Jun 29 j 15:46	10°♉51'58	13°47'53	
minimum elong	-7397 Jun 29 j 15:20	10°♉51'55	13°48'09	
morning rise	-7397 Jul 05 j 20:11	11°♉05'26		
retrograde	-7397 Oct 09 j 19:42	13°♉14'59		
opposition	-7397 Dec 25 j 21:12	11°♉56'20	14°51'21	
min. Earth dist.	-7397 Dec 28 j 20:43	11°♉51'35	31.11976 AU	
direct	-7396 Mar 16 j 00:45	10°♉34'06		
evening set	-7396 Jun 25 j 19:18	12°♉51'23		
max. Earth dist.	-7396 Jun 27 j 23:23	12°♉56'10	32.95431 AU	
conjunction	-7396 Jul 01 j 02:34	13°♉03'04	14°08'27	
minimum elong	-7396 Jul 01 j 02:08	13°♉03'01	14°08'45	
morning rise	-7396 Jul 06 j 08:29	13°♉14'37		
	-7396 Aug 31 j 13:01	15°♉		
retrograde	-7396 Oct 11 j 06:07	15°♉27'32		
	-7396 Nov 22 j 08:51	15°℞♉		
opposition	-7396 Dec 27 j 09:05	14°♉08'30	15°13'04	
min. Earth dist.	-7396 Dec 30 j 07:11	14°♉03'49	30.92073 AU	
direct	-7395 Mar 18 j 10:55	12°♉45'53		
	-7395 Jun 26 j 05:43	15°♉		
evening set	-7395 Jun 29 j 09:34	15°♉07'00		
max. Earth dist.	-7395 Jun 30 j 12:04	15°♉09'28	32.75596 AU	
conjunction	-7395 Jul 03 j 14:03	15°♉16'20	14°28'03	
minimum elong	-7395 Jul 03 j 13:37	15°♉16'17	14°28'21	
morning rise	-7395 Jul 07 j 17:27	15°♉25'32		
retrograde	-7395 Oct 13 j 20:15	17°♉42'14		
opposition	-7395 Dec 29 j 21:37	16°♉22'50	15°33'44	
min. Earth dist.	-7394 Jan 01 j 17:30	16°♉18'17	30.72900 AU	
	-7394 Mar 18 j 00:36	15°℞♉		
direct	-7394 Mar 20 j 20:25	14°♉59'53		
	-7394 Mar 23 j 15:59	15°♉		
evening set	-7394 Jul 03 j 09:32	17°♉25'42		
max. Earth dist.	-7394 Jul 03 j 02:49	17°♉25'04	32.56471 AU	
conjunction	-7394 Jul 06 j 02:27	17°♉31'46	14°46'38	
minimum elong	-7394 Jul 06 j 02:02	17°♉31'44	14°46'58	
morning rise	-7394 Jul 08 j 18:26	17°♉37'46		
retrograde	-7394 Oct 16 j 09:44	19°♉59'07		
opposition	-7393 Jan 01 j 11:20	18°♉39'23	15°53'15	
min. Earth dist.	-7393 Jan 04 j 06:32	18°♉34'51	30.54413 AU	
direct	-7393 Mar 23 j 06:03	17°♉16'06		
max. Earth dist.	-7393 Jul 05 j 17:46	19°♉42'49	32.38049 AU	
conjunction	-7393 Jul 08 j 15:30	19°♉49'25	15°04'05	
minimum elong	-7393 Jul 08 j 15:07	19°♉49'22	15°04'26	
retrograde	-7393 Oct 19 j 01:33	22°♉18'10		
opposition	-7392 Jan 04 j 01:51	20°♉58'05	16°11'34	
min. Earth dist.	-7392 Jan 06 j 18:26	20°♉53'43	30.36602 AU	
direct	-7392 Mar 24 j 20:06	19°♉34'29		
max. Earth dist.	-7392 Jul 07 j 09:21	22°♉02'42	32.20293 AU	
conjunction	-7392 Jul 10 j 05:29	22°♉09'11	15°20'23	
minimum elong	-7392 Jul 10 j 05:06	22°♉09'09	15°20'45	
retrograde	-7392 Oct 20 j 17:44	24°♉39'19		
opposition	-7391 Jan 05 j 17:33	23°♉18'53	16°28'36	
min. Earth dist.	-7391 Jan 08 j 09:29	23°♉14'33	30.19451 AU	
direct	-7391 Mar 27 j 08:58	21°♉55'00		
max. Earth dist.	-7391 Jul 10 j 02:29	24°♉24'42	32.03220 AU	
conjunction	-7391 Jul 12 j 20:02	24°♉31'00	15°35'25	
minimum elong	-7391 Jul 12 j 19:40	24°♉30'58	15°35'47	
retrograde	-7391 Oct 23 j 10:49	27°♉02'27		
opposition	-7390 Jan 08 j 09:58	25°♉41'41	16°44'17	
min. Earth dist.	-7390 Jan 10 j 23:07	25°♉37'31	30.02949 AU	
direct	-7390 Mar 30 j 00:51	24°♉17'29		
max. Earth dist.	-7390 Jul 12 j 19:02	26°♉48'30	31.86815 AU	
conjunction	-7390 Jul 15 j 11:25	26°♉54'44	15°49'09	
minimum elong	-7390 Jul 15 j 11:05	26°♉54'42	15°49'32	
retrograde	-7390 Oct 26 j 05:07	29°♉27'26		
opposition	-7389 Jan 11 j 03:10	28°♉06'20	16°58'30	
min. Earth dist.	-7389 Jan 13 j 15:22	28°♉02'13	29.87123 AU	
direct	-7389 Apr 01 j 16:00	26°♉41'50		
max. Earth dist.	-7389 Jul 15 j 14:23	29°♉14'18	31.71126 AU	
conjunction	-7389 Jul 18 j 03:31	29°♉20'15	16°01'28	
minimum elong	-7389 Jul 18 j 03:12	29°♉20'14	16°01'52	
	-7389 Aug 04 j 07:01	0°♊		
retrograde	-7389 Oct 28 j 23:36	1°♊54'09		
opposition	-7388 Jan 13 j 21:20	0°♊32'42	17°11'12	
min. Earth dist.	-7388 Jan 16 j 06:56	0°♊28'44	29.71999 AU	
	-7388 Feb 03 j 05:16	30°℞♉		
direct	-7388 Apr 03 j 10:57	29°♉07'55		
	-7388 May 30 j 15:45	0°♊		
max. Earth dist.	-7388 Jul 17 j 08:11	1°♊41'33	31.56196 AU	
conjunction	-7388 Jul 19 j 19:56	1°♊47'25	16°12'19	
minimum elong	-7388 Jul 19 j 19:39	1°♊47'23	16°12'45	
retrograde	-7388 Oct 30 j 18:26	4°♊22'26		
opposition	-7387 Jan 15 j 16:14	3°♊00'39	17°22'16	
min. Earth dist.	-7387 Jan 17 j 23:52	2°♊56'48	29.57657 AU	
direct	-7387 Apr 06 j 03:46	1°♊35'34		
max. Earth dist.	-7387 Jul 20 j 05:06	4°♊10'32	31.42099 AU	
conjunction	-7387 Jul 22 j 13:06	4°♊16'04	16°21'37	

Attention, astronomical year style is used: The year -7387 in astronomical counting style is the year 7388 BCE in historical counting style.

minimum elong	-7387 Jul 22 j 12:51	4°♊16'03	16°22'01
retrograde	-7387 Nov 02 j 12:35	6°♊52'08	
opposition	-7386 Jan 18 j 11:45	5°♊30'01	17°31'37
min. Earth dist.	-7386 Jan 20 j 16:55	5°♊26'20	29.44152 AU
direct	-7386 Apr 08 j 22:58	4°♊04'41	
max. Earth dist.	-7386 Jul 23 j 00:25	6°♊40'43	31.28919 AU
conjunction	-7386 Jul 25 j 06:33	6°♊46'06	16°29'15
minimum elong	-7386 Jul 25 j 06:20	6°♊46'04	16°29'42
retrograde	-7386 Nov 05 j 09:25	9°♊23'08	
opposition	-7385 Jan 21 j 07:57	8°♊00'43	17°39'09
min. Earth dist.	-7385 Jan 23 j 09:58	7°♊57'14	29.31584 AU
direct	-7385 Apr 11 j 17:36	6°♊35'08	
max. Earth dist.	-7385 Jul 25 j 22:29	9°♊12'22	31.16730 AU
conjunction	-7385 Jul 28 j 00:33	9°♊17'23	16°35'10
minimum elong	-7385 Jul 28 j 00:22	9°♊17'22	16°35'36
retrograde	-7385 Nov 08 j 03:34	11°♊55'20	
opposition	-7384 Jan 24 j 04:57	10°♊32'38	17°44'47
min. Earth dist.	-7384 Jan 26 j 04:35	10°♊29'19	29.20015 AU
direct	-7384 Apr 13 j 12:56	9°♊06'53	
max. Earth dist.	-7384 Jul 27 j 19:34	11°♊45'06	31.05630 AU
conjunction	-7384 Jul 29 j 18:52	11°♊49'51	16°39'16
minimum elong	-7384 Jul 29 j 18:44	11°♊49'51	16°39'44
retrograde	-7384 Nov 10 j 00:16	14°♊28'40	
opposition	-7383 Jan 26 j 02:23	13°♊05'44	17°48'27
min. Earth dist.	-7383 Jan 27 j 21:58	13°♊02'41	29.09533 AU
direct	-7383 Apr 16 j 08:52	11°♊39'49	
max. Earth dist.	-7383 Jul 30 j 18:12	14°♊19'05	30.95650 AU
conjunction	-7383 Aug 01 j 13:36	14°♊23'28	16°41'32
minimum elong	-7383 Aug 01 j 13:30	14°♊23'28	16°41'59
retrograde	-7383 Nov 12 j 20:15	17°♊03'04	
opposition	-7382 Jan 29 j 00:28	15°♊39'56	17°50'05
min. Earth dist.	-7382 Jan 30 j 17:45	15°♊37'03	29.00146 AU
direct	-7382 Apr 19 j 03:41	14°♊13'57	
max. Earth dist.	-7382 Aug 02 j 16:36	16°♊54'06	30.86816 AU
conjunction	-7382 Aug 04 j 08:40	16°♊58'10	16°41'53
minimum elong	-7382 Aug 04 j 08:37	16°♊58'09	16°42'22
retrograde	-7382 Nov 15 j 17:41	19°♊38'27	
opposition	-7381 Jan 31 j 22:46	18°♊15'11	17°49'40
min. Earth dist.	-7381 Feb 02 j 11:45	18°♊12'36	28.91855 AU
direct	-7381 Apr 22 j 00:58	16°♊49'09	
max. Earth dist.	-7381 Aug 05 j 15:22	19°♊30'06	30.79091 AU
conjunction	-7381 Aug 07 j 04:05	19°♊33'51	16°40'20
minimum elong	-7381 Aug 07 j 04:03	19°♊33'50	16°40'49
retrograde	-7381 Nov 18 j 14:39	22°♊14'45	
opposition	-7380 Feb 03 j 21:51	20°♊51'22	17°47'10
min. Earth dist.	-7380 Feb 05 j 08:32	20°♊48'57	28.84640 AU
direct	-7380 Apr 23 j 21:32	19°♊25'20	
conjunction	-7380 Aug 08 j 23:37	22°♊10'23	16°36'51
minimum elong	-7380 Aug 08 j 23:40	22°♊10'23	16°37'21
max. Earth dist.	-7380 Aug 07 j 14:51	22°♊07'02	30.72468 AU
retrograde	-7380 Nov 20 j 12:35	24°♊51'47	
opposition	-7379 Feb 05 j 21:12	23°♊28'20	17°42'36
min. Earth dist.	-7379 Feb 07 j 03:44	23°♊26'11	28.78461 AU
direct	-7379 Apr 26 j 20:08	22°♊02'18	
conjunction	-7379 Aug 11 j 19:26	24°♊47'35	16°31'27
minimum elong	-7379 Aug 11 j 19:30	24°♊47'36	16°31'56
max. Earth dist.	-7379 Aug 10 j 13:28	24°♊44'32	30.66894 AU
retrograde	-7379 Nov 23 j 10:45	27°♊29'25	
opposition	-7378 Feb 08 j 20:44	26°♊05'52	17°35'56
min. Earth dist.	-7378 Feb 10 j 00:50	26°♊03'54	28.73303 AU
direct	-7378 Apr 29 j 16:57	24°♊39'53	
conjunction	-7378 Aug 14 j 15:29	27°♊25'17	16°24'07
minimum elong	-7378 Aug 14 j 15:37	27°♊25'18	16°24'37
max. Earth dist.	-7378 Aug 13 j 13:44	27°♊22'39	30.62363 AU
	-7378 Nov 06 j 04:01	0°♋	
retrograde	-7378 Nov 26 j 08:57	0°♋07'23	
	-7378 Dec 17 j 00:51	30°℞♊	
opposition	-7377 Feb 11 j 20:34	28°♊43'47	17°27'12
min. Earth dist.	-7377 Feb 12 j 20:57	28°♊42'05	28.69127 AU
direct	-7377 May 02 j 17:39	27°♊17'51	
	-7377 Aug 16 j 03:50	0°♋	
conjunction	-7377 Aug 17 j 11:21	0°♋03'14	16°14'52
minimum elong	-7377 Aug 17 j 11:29	0°♋03'15	16°15'22
max. Earth dist.	-7377 Aug 16 j 12:02	0°♋00'50	30.58848 AU
retrograde	-7377 Nov 29 j 07:26	2°♋45'30	
opposition	-7376 Feb 14 j 20:36	1°♋21'50	17°16'25
min. Earth dist.	-7376 Feb 15 j 17:47	1°♋20'21	28.65952 AU
	-7376 Apr 19 j 05:17	30°℞♊	
direct	-7376 May 04 j 16:07	29°♊55'58	
	-7376 May 19 j 23:32	0°♋	
conjunction	-7376 Aug 19 j 07:23	2°♋41'11	16°03'44
minimum elong	-7376 Aug 19 j 07:36	2°♋41'13	16°04'14
max. Earth dist.	-7376 Aug 18 j 12:34	2°♋39'16	30.56368 AU
retrograde	-7376 Dec 01 j 04:24	5°♋23'30	
opposition	-7375 Feb 16 j 20:37	3°♋59'47	17°03'35
min. Earth dist.	-7375 Feb 17 j 14:27	3°♋58'32	28.63779 AU
direct	-7375 May 07 j 16:03	2°♋34'00	
max. Earth dist.	-7375 Aug 21 j 10:40	5°♋17'15	30.54944 AU
conjunction	-7375 Aug 22 j 03:02	5°♋18'55	15°50'43
minimum elong	-7375 Aug 22 j 03:14	5°♋18'57	15°51'13
retrograde	-7375 Dec 04 j 03:38	8°♋01'09	
opposition	-7374 Feb 19 j 20:26	6°♋37'23	16°48'44
min. Earth dist.	-7374 Feb 20 j 10:24	6°♋36'25	28.62656 AU
direct	-7374 May 10 j 15:54	5°♋11'41	
conjunction	-7374 Aug 24 j 22:35	7°♋56'12	15°35'51
minimum elong	-7374 Aug 24 j 22:52	7°♋56'14	15°36'21
max. Earth dist.	-7374 Aug 24 j 11:00	7°♋55'01	30.54608 AU
retrograde	-7374 Dec 06 j 22:58	10°♋38'14	
opposition	-7373 Feb 22 j 20:10	9°♋14'27	16°31'53
min. Earth dist.	-7373 Feb 23 j 07:08	9°♋13'41	28.62616 AU
direct	-7373 May 13 j 15:46	7°♋48'51	
conjunction	-7373 Aug 27 j 17:43	10°♋32'51	15°19'10
minimum elong	-7373 Aug 27 j 18:00	10°♋32'52	15°19'40
max. Earth dist.	-7373 Aug 27 j 09:06	10°♋31'58	30.55429 AU
retrograde	-7373 Dec 09 j 20:23	13°♋14'35	
opposition	-7372 Feb 25 j 19:41	11°♋50'48	16°13'06
min. Earth dist.	-7372 Feb 26 j 01:54	11°♋50'22	28.63744 AU
direct	-7372 May 15 j 14:54	10°♋25'20	
conjunction	-7372 Aug 29 j 12:32	13°♋08'42	15°00'41
minimum elong	-7372 Aug 29 j 12:53	13°♋08'44	15°01'11
max. Earth dist.	-7372 Aug 29 j 08:46	13°♋08'19	30.57452 AU
retrograde	-7372 Dec 11 j 15:47	15°♋50'03	
opposition	-7371 Feb 27 j 19:02	14°♋26'18	15°52'24
min. Earth dist.	-7371 Feb 27 j 22:14	14°♋26'05	28.66074 AU
direct	-7371 May 18 j 13:41	13°♋01'02	
evening set	-7371 Aug 29 j 03:37	15°♋36'00	
conjunction	-7371 Sep 01 j 07:01	15°♋43'41	14°40'30
minimum elong	-7371 Sep 01 j 07:21	15°♋43'43	14°40'59

Attention, astronomical year style is used: The year -7371 in astronomical counting style is the year 7372 BCE in historical counting style.

max. Earth dist.	-7371 Sep 01 j 06:35	15°♋43'38	30.60729 AU	
morning rise	-7371 Sep 04 j 11:03	15°♋51'24		
retrograde	-7371 Dec 14 j 12:07	18°♋24'33		
opposition	-7370 Mar 02 j 17:41	17°♋00'54	15°29'52	
min. Earth dist.	-7370 Mar 02 j 15:50	17°♋01'01	28.69636 AU	
direct	-7370 May 21 j 12:24	15°♋35'51		
evening set	-7370 Aug 30 j 11:16	18°♋06'34		
conjunction	-7370 Sep 04 j 01:09	18°♋17'42	14°18'39	
minimum elong	-7370 Sep 04 j 01:33	18°♋17'44	14°19'08	
max. Earth dist.	-7370 Sep 04 j 04:59	18°♋18'05	30.65243 AU	
morning rise	-7370 Sep 08 j 15:45	18°♋28'54		
retrograde	-7370 Dec 17 j 05:38	20°♋58'02		
opposition	-7369 Mar 05 j 16:19	19°♋34'30	15°05'35	
min. Earth dist.	-7369 Mar 05 j 11:35	19°♋34'50	28.74415 AU	
direct	-7369 May 24 j 09:26	18°♋09'44		
evening set	-7369 Sep 01 j 01:56	20°♋36'54		
conjunction	-7369 Sep 06 j 18:43	20°♋50'42	13°55'13	
minimum elong	-7369 Sep 06 j 19:06	20°♋50'44	13°55'43	
max. Earth dist.	-7369 Sep 07 j 02:24	20°♋51'28	30.70984 AU	
morning rise	-7369 Sep 12 j 12:09	21°♋04'33		
retrograde	-7369 Dec 20 j 00:42	23°♋30'24		
opposition	-7368 Mar 07 j 14:26	22°♋07'03	14°39'40	
min. Earth dist.	-7368 Mar 07 j 04:57	22°♋07'42	28.80368 AU	
direct	-7368 May 26 j 07:12	20°♋42'34		
evening set	-7368 Sep 01 j 20:04	23°♋06'33		
conjunction	-7368 Sep 08 j 11:56	23°♋22'36	13°30'20	
minimum elong	-7368 Sep 08 j 12:21	23°♋22'38	13°30'49	
max. Earth dist.	-7368 Sep 08 j 23:10	23°♋23'43	30.77876 AU	
morning rise	-7368 Sep 15 j 04:31	23°♋38'42		
retrograde	-7368 Dec 21 j 18:45	26°♋01'37		
opposition	-7367 Mar 10 j 12:07	24°♋38'27	14°12'12	
min. Earth dist.	-7367 Mar 09 j 23:46	24°♋39'18	28.87450 AU	
direct	-7367 May 29 j 02:31	23°♋14'18		
evening set	-7367 Sep 03 j 16:22	25°♋35'19		
conjunction	-7367 Sep 11 j 04:42	25°♋53'18	13°04'04	
minimum elong	-7367 Sep 11 j 05:06	25°♋53'20	13°04'33	
max. Earth dist.	-7367 Sep 11 j 19:58	25°♋54'50	30.85871 AU	
morning rise	-7367 Sep 18 j 17:39	26°♋11'22		
retrograde	-7367 Dec 24 j 11:54	28°♋31'34		
opposition	-7366 Mar 13 j 09:11	27°♋08'36	13°43'19	
min. Earth dist.	-7366 Mar 12 j 16:52	27°♋09'43	28.95570 AU	
direct	-7366 Jun 01 j 00:30	25°♋44'48		
evening set	-7366 Sep 05 j 14:01	28°♋02'59		
conjunction	-7366 Sep 13 j 20:49	28°♋22'43	12°36'33	
minimum elong	-7366 Sep 13 j 21:15	28°♋22'45	12°37'00	
max. Earth dist.	-7366 Sep 14 j 14:43	28°♋24'30	30.94874 AU	
morning rise	-7366 Sep 22 j 04:26	28°♋42'31		
	-7366 Oct 27 j 19:45	0°♌		
retrograde	-7366 Dec 27 j 05:54	1°♌00'09		
	-7365 Mar 02 j 05:33	30°℞♋		
min. Earth dist.	-7365 Mar 15 j 10:16	29°♋38'44	29.04685 AU	
opposition	-7365 Mar 16 j 05:47	29°♋37'24	13°13'08	
direct	-7365 Jun 03 j 19:04	28°♋13'57		
	-7365 Aug 25 j 18:20	0°♌		
evening set	-7365 Sep 07 j 12:47	0°♌29'26		
conjunction	-7365 Sep 16 j 12:37	0°♌50'43	12°07'52	
minimum elong	-7365 Sep 16 j 13:02	0°♌50'45	12°08'19	
max. Earth dist.	-7365 Sep 17 j 10:36	0°♌52'53	31.04845 AU	
morning rise	-7365 Sep 25 j 13:05	1°♌12'04		
retrograde	-7365 Dec 29 j 21:45	3°♌27'15		
min. Earth dist.	-7364 Mar 17 j 03:14	2°♌06'16	29.14723 AU	
opposition	-7364 Mar 18 j 01:50	2°♌04'44	12°41'45	
direct	-7364 Jun 05 j 15:31	0°♌41'38		
evening set	-7364 Sep 08 j 12:16	2°♌54'31		
conjunction	-7364 Sep 18 j 03:35	3°♌17'11	11°38'07	
minimum elong	-7364 Sep 18 j 04:01	3°♌17'13	11°38'34	
max. Earth dist.	-7364 Sep 19 j 03:39	3°♌19'33	31.15722 AU	
morning rise	-7364 Sep 27 j 19:50	3°♌39'56		
retrograde	-7364 Dec 31 j 15:27	5°♌52'46		
opposition	-7363 Mar 20 j 21:10	4°♌30'27	12°09'18	
min. Earth dist.	-7363 Mar 19 j 19:00	4°♌32'13	29.25661 AU	
direct	-7363 Jun 08 j 10:33	3°♌07'42		
evening set	-7363 Sep 10 j 12:17	5°♌18'05		
conjunction	-7363 Sep 20 j 18:11	5°♌42'00	11°07'26	
minimum elong	-7363 Sep 20 j 18:35	5°♌42'03	11°07'52	
max. Earth dist.	-7363 Sep 21 j 22:17	5°♌44'45	31.27468 AU	
morning rise	-7363 Oct 01 j 00:47	6°♌06'00		
retrograde	-7362 Jan 03 j 05:54	8°♌16'33		
min. Earth dist.	-7362 Mar 22 j 11:14	6°♌56'23	29.37456 AU	
opposition	-7362 Mar 23 j 15:38	6°♌54'28	11°35'53	
direct	-7362 Jun 11 j 06:12	5°♌32'05		
evening set	-7362 Sep 12 j 12:48	7°♌40'02		
conjunction	-7362 Sep 23 j 07:51	8°♌05'03	10°35'52	
minimum elong	-7362 Sep 23 j 08:16	8°♌05'06	10°36'18	
max. Earth dist.	-7362 Sep 24 j 14:01	8°♌07'59	31.40080 AU	
morning rise	-7362 Oct 04 j 03:55	8°♌30'10		
retrograde	-7361 Jan 05 j 21:15	10°♌38'32		
min. Earth dist.	-7361 Mar 25 j 00:56	9°♌18'51	29.50134 AU	
opposition	-7361 Mar 26 j 09:26	9°♌16'41	11°01'36	
direct	-7361 Jun 13 j 23:53	7°♌54'38		
evening set	-7361 Sep 14 j 13:16	10°♌00'15		
conjunction	-7361 Sep 25 j 20:47	10°♌26'16	10°03'33	
minimum elong	-7361 Sep 25 j 21:10	10°♌26'18	10°03'59	
max. Earth dist.	-7361 Sep 27 j 06:54	10°♌29'33	31.53563 AU	
morning rise	-7361 Oct 07 j 05:13	10°♌52'22		
retrograde	-7360 Jan 08 j 09:49	12°♌58'37		
min. Earth dist.	-7360 Mar 26 j 16:00	11°♌39'19	29.63713 AU	
opposition	-7360 Mar 28 j 02:37	11°♌37'00	10°26'32	
direct	-7360 Jun 15 j 18:13	10°♌15'20		
evening set	-7360 Sep 15 j 14:13	12°♌18'41		
conjunction	-7360 Sep 27 j 09:01	12°♌45'35	9°30'33	
minimum elong	-7360 Sep 27 j 09:25	12°♌45'37	9°30'57	
max. Earth dist.	-7360 Sep 28 j 21:38	12°♌49'05	31.67963 AU	
morning rise	-7360 Oct 09 j 04:55	13°♌12'34		
	-7360 Dec 08 j 20:39	15°♌		
retrograde	-7359 Jan 09 j 23:44	15°♌16'47		
	-7359 Feb 11 j 22:52	15°℞♌		
min. Earth dist.	-7359 Mar 29 j 03:50	13°♌58'00	29.78230 AU	
opposition	-7359 Mar 30 j 18:39	13°♌55'26	9°50'49	
direct	-7359 Jun 18 j 11:28	12°♌34'08		
evening set	-7359 Sep 17 j 15:11	14°♌35'20		
	-7359 Sep 28 j 12:53	15°♌		
conjunction	-7359 Sep 29 j 20:32	15°♌03'00	8°56'57	
minimum elong	-7359 Sep 29 j 20:54	15°♌03'02	8°57'21	
max. Earth dist.	-7359 Oct 01 j 12:31	15°♌06'48	31.83285 AU	
morning rise	-7359 Oct 12 j 03:04	15°♌30'46		
retrograde	-7358 Jan 12 j 09:55	17°♌33'04		
min. Earth dist.	-7358 Mar 31 j 17:08	16°♌14'42	29.93696 AU	
opposition	-7358 Apr 02 j 10:08	16°♌12'00	9°14'31	
	-7358 May 28 j 07:05	15°℞♌		
direct	-7358 Jun 21 j 02:17	14°♌51'06		
	-7358 Jul 14 j 07:14	15°♌		

Attention, astronomical year style is used: The year -7358 in astronomical counting style is the year 7359 BCE in historical counting style.

evening set	-7358 Sep 19 j 16:18	16°♌50'14		
conjunction	-7358 Oct 02 j 07:19	17°♌18'34	8°22'52	
minimum elong	-7358 Oct 02 j 07:40	17°♌18'36	8°23'14	
max. Earth dist.	-7358 Oct 04 j 02:24	17°♌22'38	31.99543 AU	
morning rise	-7358 Oct 14 j 23:27	17°♌47'02		
retrograde	-7357 Jan 14 j 19:49	19°♌47'29		
min. Earth dist.	-7357 Apr 03 j 03:51	18°♌29'40	30.10085 AU	
opposition	-7357 Apr 05 j 00:40	18°♌26'43	8°37'44	
direct	-7357 Jun 23 j 17:37	17°♌06'15		
evening set	-7357 Sep 21 j 17:35	19°♌03'25		
conjunction	-7357 Oct 04 j 17:20	19°♌32'21	7°48'22	
minimum elong	-7357 Oct 04 j 17:40	19°♌32'23	7°48'44	
max. Earth dist.	-7357 Oct 06 j 14:58	19°♌36'37	32.16690 AU	
morning rise	-7357 Oct 17 j 18:35	20°♌01'24		
retrograde	-7356 Jan 17 j 06:31	22°♌00'06		
min. Earth dist.	-7356 Apr 04 j 15:10	20°♌42'46	30.27375 AU	
opposition	-7356 Apr 06 j 14:34	20°♌39'40	8°00'36	
direct	-7356 Jun 25 j 05:04	19°♌19'39		
evening set	-7356 Sep 22 j 18:48	21°♌14'56		
conjunction	-7356 Oct 06 j 02:47	21°♌44'21	7°13'33	
minimum elong	-7356 Oct 06 j 03:06	21°♌44'23	7°13'53	
max. Earth dist.	-7356 Oct 08 j 03:50	21°♌48'54	32.34683 AU	
morning rise	-7356 Oct 19 j 12:03	22°♌13'55		
retrograde	-7355 Jan 18 j 15:25	24°♌10'56		
min. Earth dist.	-7355 Apr 07 j 01:31	22°♌54'07	30.45468 AU	
opposition	-7355 Apr 09 j 03:35	22°♌50'52	7°23'11	
direct	-7355 Jun 27 j 19:11	21°♌31'18		
evening set	-7355 Sep 24 j 20:20	23°♌24'47		
conjunction	-7355 Oct 08 j 11:27	23°♌54'38	6°38'30	
minimum elong	-7355 Oct 08 j 11:44	23°♌54'39	6°38'51	
max. Earth dist.	-7355 Oct 10 j 14:03	23°♌59'17	32.53418 AU	
morning rise	-7355 Oct 22 j 04:17	24°♌24'37		
retrograde	-7354 Jan 21 j 02:04	26°♌20'02		
min. Earth dist.	-7354 Apr 09 j 10:54	25°♌03'43	30.64302 AU	
opposition	-7354 Apr 11 j 15:44	25°♌00'19	6°45'36	
direct	-7354 Jun 30 j 05:31	23°♌41'12		
evening set	-7354 Sep 26 j 21:47	25°♌32'59		
conjunction	-7354 Oct 10 j 19:38	26°♌03'10	6°03'20	
minimum elong	-7354 Oct 10 j 19:54	26°♌03'12	6°03'38	
max. Earth dist.	-7354 Oct 13 j 01:37	26°♌08'05	32.72823 AU	
morning rise	-7354 Oct 24 j 18:59	26°♌33'30		
retrograde	-7353 Jan 23 j 10:01	28°♌27'24		
min. Earth dist.	-7353 Apr 11 j 21:00	27°♌11'31	30.83773 AU	
opposition	-7353 Apr 14 j 03:20	27°♌08'02	6°07'56	
direct	-7353 Jul 02 j 16:56	25°♌49'22		
evening set	-7353 Sep 28 j 23:22	27°♌39'30		
conjunction	-7353 Oct 13 j 02:57	28°♌09'58	5°28'05	
minimum elong	-7353 Oct 13 j 03:11	28°♌09'59	5°28'24	
max. Earth dist.	-7353 Oct 15 j 10:04	28°♌14'56	32.92809 AU	
morning rise	-7353 Oct 27 j 08:24	28°♌40'34		
	-7353 Dec 10 j 04:43	0°♍		
retrograde	-7352 Jan 25 j 19:30	0°♍33'00		
	-7352 Mar 14 j 11:08	30°℞♌		
min. Earth dist.	-7352 Apr 13 j 04:45	29°♌17'38	31.03813 AU	
opposition	-7352 Apr 15 j 14:07	29°♌13'59	5°30'17	
direct	-7352 Jul 04 j 03:13	27°♌55'45		
evening set	-7352 Sep 30 j 00:59	29°♌44'20		
	-7352 Oct 07 j 10:22	0°♍		
conjunction	-7352 Oct 14 j 09:52	0°♍14'59	4°52'52	
minimum elong	-7352 Oct 14 j 10:05	0°♍15'00	4°53'09	
max. Earth dist.	-7352 Oct 16 j 19:45	0°♍20'10	33.13289 AU	
morning rise	-7352 Oct 28 j 20:35	0°♍45'48		
retrograde	-7351 Jan 27 j 02:36	2°♍36'49		
min. Earth dist.	-7351 Apr 15 j 13:55	1°♍21'49	31.24339 AU	
opposition	-7351 Apr 18 j 00:04	1°♍18'08	4°52'41	
direct	-7351 Jul 06 j 14:49	0°♍00'19		
evening set	-7351 Oct 02 j 02:37	1°♍47'23		
conjunction	-7351 Oct 16 j 16:04	2°♍18'11	4°17'42	
minimum elong	-7351 Oct 16 j 16:15	2°♍18'12	4°18'00	
max. Earth dist.	-7351 Oct 19 j 02:59	2°♍23'25	33.34216 AU	
morning rise	-7351 Oct 31 j 07:26	2°♍49'08		
retrograde	-7350 Jan 29 j 10:09	4°♍38'48		
min. Earth dist.	-7350 Apr 17 j 20:18	3°♍24'16	31.45299 AU	
opposition	-7350 Apr 20 j 09:11	3°♍20'26	4°15'14	
direct	-7350 Jul 09 j 01:21	2°♍03'01		
evening set	-7350 Oct 04 j 04:05	3°♍48'39		
conjunction	-7350 Oct 18 j 21:24	4°♍19'31	3°42'41	
minimum elong	-7350 Oct 18 j 21:34	4°♍19'32	3°42'57	
max. Earth dist.	-7350 Oct 21 j 10:17	4°♍24'52	33.55533 AU	
morning rise	-7350 Nov 02 j 16:52	4°♍50'33		
retrograde	-7349 Jan 31 j 14:00	6°♍38'56		
min. Earth dist.	-7349 Apr 20 j 03:54	5°♍24'44	31.66685 AU	
opposition	-7349 Apr 22 j 17:42	5°♍20'52	3°37'59	
direct	-7349 Jul 11 j 10:04	4°♍03'49		
evening set	-7349 Oct 06 j 05:25	5°♍48'04		
conjunction	-7349 Oct 21 j 02:12	6°♍18'57	3°07'52	
minimum elong	-7349 Oct 21 j 02:20	6°♍18'58	3°08'08	
max. Earth dist.	-7349 Oct 23 j 17:04	6°♍24'27	33.77267 AU	
morning rise	-7349 Nov 05 j 01:00	6°♍50'01		
retrograde	-7348 Feb 02 j 16:50	8°♍37'09		
min. Earth dist.	-7348 Apr 21 j 09:12	7°♍23'23	31.88503 AU	
opposition	-7348 Apr 24 j 01:13	7°♍19'23	3°01'00	
direct	-7348 Jul 12 j 19:35	6°♍02'43		
evening set	-7348 Oct 07 j 06:42	7°♍45'39		
conjunction	-7348 Oct 22 j 06:07	8°♍16'30	2°33'17	
minimum elong	-7348 Oct 22 j 06:13	8°♍16'31	2°33'30	
max. Earth dist.	-7348 Oct 24 j 22:13	8°♍22'03	33.99418 AU	
morning rise	-7348 Nov 06 j 07:56	8°♍47'32		
retrograde	-7347 Feb 03 j 20:51	10°♍33'30		
min. Earth dist.	-7347 Apr 23 j 14:15	9°♍20'07	32.10797 AU	
opposition	-7347 Apr 26 j 08:03	9°♍16'02	2°24'19	
direct	-7347 Jul 15 j 01:19	7°♍59'44		
evening set	-7347 Oct 09 j 07:46	9°♍41'26		
conjunction	-7347 Oct 24 j 09:32	10°♍12'12	1°58'58	
minimum elong	-7347 Oct 24 j 09:37	10°♍12'13	1°59'11	
max. Earth dist.	-7347 Oct 27 j 04:16	10°♍17'56	34.22031 AU	
morning rise	-7347 Nov 08 j 13:27	10°♍43'10		
retrograde	-7346 Feb 05 j 22:34	12°♍28'03		
min. Earth dist.	-7346 Apr 25 j 18:44	11°♍15'02	32.33567 AU	
opposition	-7346 Apr 28 j 13:55	11°♍10'53	1°48'00	
direct	-7346 Jul 17 j 08:32	9°♍54'58		
evening set	-7346 Oct 11 j 08:53	11°♍35'31		
conjunction	-7346 Oct 26 j 12:09	12°♍06'10	1°25'00	
minimum elong	-7346 Oct 26 j 12:13	12°♍06'10	1°25'11	
max. Earth dist.	-7346 Oct 29 j 07:38	12°♍11'54	34.45118 AU	
morning rise	-7346 Nov 10 j 17:58	12°♍37'01		
retrograde	-7345 Feb 08 j 03:01	14°♍20'51		
min. Earth dist.	-7345 Apr 27 j 21:29	13°♍08'18	32.56847 AU	
opposition	-7345 Apr 30 j 19:14	13°♍04'01	1°12'04	
direct	-7345 Jul 19 j 12:10	11°♍48'31		
evening set	-7345 Oct 13 j 09:38	13°♍27'59		

Attention, astronomical year style is used: The year -7345 in astronomical counting style is the year 7346 BCE in historical counting style.

conjunction	-7345 Oct 28 j 14:12	13°♑58'28	0°51'23
minimum elong	-7345 Oct 28 j 14:14	13°♑58'28	0°51'35
max. Earth dist.	-7345 Oct 31 j 12:31	14°♑04'24	34.68673 AU
morning rise	-7345 Nov 12 j 21:08	14°♑29'10	
retrograde	-7344 Feb 10 j 05:20	16°♑12'04	
min. Earth dist.	-7344 Apr 29 j 01:28	14°♑59'52	32.80590 AU
opposition	-7344 May 01 j 23:53	14°♑55'34	0°36'35
direct	-7344 Jul 20 j 16:28	13°♑40'28	
evening set	-7344 Oct 14 j 10:29	15°♑18'56	
conjunction	-7344 Oct 29 j 15:42	15°♑49'14	0°18'12
minimum elong	-7344 Oct 29 j 15:43	15°♑49'14	0°18'23
max. Earth dist.	-7344 Nov 01 j 14:45	15°♑55'10	34.92659 AU
morning rise	-7344 Nov 13 j 23:26	16°♑19'44	
retrograde	-7343 Feb 11 j 08:04	18°♑01'44	
min. Earth dist.	-7343 May 01 j 02:35	16°♑50'01	33.04752 AU
opposition	-7343 May 04 j 03:33	16°♑45'36	0°01'34
desc. node	-7343 May 20 j 16:37	16°♑21'54	
direct	-7343 Jul 22 j 20:00	15°♑30'55	
evening set	-7343 Oct 16 j 11:15	17°♑08'28	
conjunction	-7343 Oct 31 j 16:36	17°♑38'31	-0°14'37
minimum elong	-7343 Oct 31 j 16:36	17°♑38'31	0°14'27
behind sun begin	-7343 Oct 31 j 13:35	17°♑38'17	
behind sun end	-7343 Oct 31 j 19:36	17°♑38'46	
max. Earth dist.	-7343 Nov 03 j 17:32	17°♑44'34	35.16998 AU
morning rise	-7343 Nov 16 j 00:37	18°♑08'48	
retrograde	-7342 Feb 13 j 08:43	19°♑49'58	
min. Earth dist.	-7342 May 03 j 05:31	18°♑38'38	33.29263 AU
opposition	-7342 May 06 j 06:49	18°♑34'12	-0°32'56
direct	-7342 Jul 25 j 00:22	17°♑19'57	
evening set	-7342 Oct 18 j 11:43	18°♑56'37	
conjunction	-7342 Nov 02 j 16:54	19°♑26'25	-0°46'54
minimum elong	-7342 Nov 02 j 16:52	19°♑26'25	0°46'45
max. Earth dist.	-7342 Nov 05 j 19:02	19°♑32'31	35.41636 AU
morning rise	-7342 Nov 18 j 00:34	19°♑56'26	
retrograde	-7341 Feb 15 j 08:27	21°♑36'50	
min. Earth dist.	-7341 May 05 j 06:22	20°♑25'56	33.54035 AU
opposition	-7341 May 08 j 09:21	20°♑21'26	-1°06'53
direct	-7341 Jul 27 j 04:50	19°♑07'36	
evening set	-7341 Oct 20 j 12:25	20°♑43'26	
conjunction	-7341 Nov 04 j 16:45	21°♑12'57	-1°18'42
minimum elong	-7341 Nov 04 j 16:42	21°♑12'57	1°18'34
max. Earth dist.	-7341 Nov 07 j 19:34	21°♑19'04	35.66474 AU
morning rise	-7341 Nov 19 j 23:54	21°♑42'40	
retrograde	-7340 Feb 17 j 08:21	23°♑22'22	
min. Earth dist.	-7340 May 06 j 07:40	22°♑11'50	33.79010 AU
opposition	-7340 May 09 j 11:19	22°♑07'19	-1°40'18
direct	-7340 Jul 28 j 06:04	20°♑53'53	
evening set	-7340 Oct 21 j 12:51	22°♑28'57	
conjunction	-7340 Nov 05 j 16:15	22°♑58'08	-1°50'00
minimum elong	-7340 Nov 05 j 16:10	22°♑58'08	1°49'54
max. Earth dist.	-7340 Nov 08 j 20:41	23°♑04'20	35.91453 AU
morning rise	-7340 Nov 20 j 22:09	23°♑27'32	
retrograde	-7339 Feb 18 j 05:38	25°♑06'32	
min. Earth dist.	-7339 May 08 j 08:30	23°♑56'21	34.04084 AU
opposition	-7339 May 11 j 12:35	23°♑51'50	-2°13'07
direct	-7339 Jul 30 j 08:34	22°♑38'47	
evening set	-7339 Oct 23 j 13:23	24°♑13'07	
conjunction	-7339 Nov 07 j 15:05	24°♑41'57	-2°20'47
minimum elong	-7339 Nov 07 j 15:00	24°♑41'57	2°20'41
max. Earth dist.	-7339 Nov 10 j 19:05	24°♑48'04	36.16489 AU
morning rise	-7339 Nov 22 j 19:36	25°♑11'00	
retrograde	-7338 Feb 20 j 05:55	26°♑49'22	
min. Earth dist.	-7338 May 10 j 07:51	25°♑39'33	34.29223 AU
opposition	-7338 May 13 j 13:15	25°♑34'59	-2°45'21
direct	-7338 Aug 01 j 07:08	24°♑22'17	
evening set	-7338 Oct 25 j 13:38	25°♑55'55	
conjunction	-7338 Nov 09 j 13:32	26°♑24'23	-2°51'00
minimum elong	-7338 Nov 09 j 13:25	26°♑24'23	2°50'55
max. Earth dist.	-7338 Nov 12 j 19:11	26°♑30'35	36.41556 AU
morning rise	-7338 Nov 24 j 16:03	26°♑53'03	
retrograde	-7337 Feb 22 j 03:38	28°♑30'48	
min. Earth dist.	-7337 May 12 j 08:28	27°♑21'14	34.54394 AU
opposition	-7337 May 15 j 13:25	27°♑16'43	-3°16'58
direct	-7337 Aug 03 j 07:11	26°♑04'21	
evening set	-7337 Oct 27 j 13:39	27°♑37'19	
conjunction	-7337 Nov 11 j 11:17	28°♑05'23	-3°20'41
minimum elong	-7337 Nov 11 j 11:10	28°♑05'23	3°20'37
max. Earth dist.	-7337 Nov 14 j 16:48	28°♑11'31	36.66656 AU
morning rise	-7337 Nov 26 j 11:35	28°♑33'40	
	-7336 Jan 26 j 22:44	0°♎	
retrograde	-7336 Feb 24 j 02:53	0°♎10'48	
	-7336 Mar 23 j 17:58	30°℞♑	
min. Earth dist.	-7336 May 13 j 06:16	29°♑01'35	34.79617 AU
opposition	-7336 May 16 j 12:52	28°♑57'00	-3°47'58
direct	-7336 Aug 04 j 07:02	27°♑44'57	
evening set	-7336 Oct 28 j 13:38	29°♑17'18	
conjunction	-7336 Nov 12 j 08:35	29°♑44'57	-3°49'47
minimum elong	-7336 Nov 12 j 08:26	29°♑44'56	3°49'43
max. Earth dist.	-7336 Nov 15 j 15:19	29°♑51'07	36.91797 AU
	-7336 Nov 20 j 08:47	0°♎	
morning rise	-7336 Nov 27 j 06:18	0°♎12'48	
retrograde	-7335 Feb 25 j 00:51	1°♎49'22	
min. Earth dist.	-7335 May 15 j 05:18	0°♎40'24	35.04931 AU
opposition	-7335 May 18 j 11:39	0°♎35'50	-4°18'19
	-7335 Jun 14 j 06:34	30°℞♑	
direct	-7335 Aug 06 j 06:26	29°♑24'06	
	-7335 Sep 26 j 03:22	0°♎	
evening set	-7335 Oct 30 j 13:19	0°♎55'52	
conjunction	-7335 Nov 14 j 05:23	1°♎23'05	-4°18'17
minimum elong	-7335 Nov 14 j 05:15	1°♎23'04	4°18'15
max. Earth dist.	-7335 Nov 17 j 12:54	1°♎29'17	37.17046 AU
morning rise	-7335 Nov 28 j 23:59	1°♎50'30	
retrograde	-7334 Feb 26 j 20:00	3°♎26'33	
min. Earth dist.	-7334 May 17 j 02:10	2°♎17'54	35.30368 AU
opposition	-7334 May 20 j 09:49	2°♎13'17	-4°48'01
direct	-7334 Aug 08 j 06:37	1°♎01'51	
evening set	-7334 Nov 01 j 12:51	2°♎33'06	
conjunction	-7334 Nov 16 j 01:25	2°♎59'51	-4°46'12
minimum elong	-7334 Nov 16 j 01:15	2°♎59'50	4°46'10
max. Earth dist.	-7334 Nov 19 j 09:19	3°♎06'02	37.42421 AU
morning rise	-7334 Nov 30 j 16:49	3°♎26'49	
retrograde	-7333 Feb 28 j 14:46	5°♎02'24	
min. Earth dist.	-7333 May 18 j 23:17	3°♎54'03	35.55975 AU
opposition	-7333 May 22 j 07:38	3°♎49'25	-5°17'04
direct	-7333 Aug 10 j 04:53	2°♎38'18	
evening set	-7333 Nov 03 j 12:12	4°♎09'03	
conjunction	-7333 Nov 17 j 21:19	4°♎35'20	-5°13'30
minimum elong	-7333 Nov 17 j 21:09	4°♎35'19	5°13'29
max. Earth dist.	-7333 Nov 21 j 06:59	4°♎41'37	37.67959 AU
morning rise	-7333 Dec 02 j 08:54	5°♎01'49	
retrograde	-7332 Mar 01 j 07:58	6°♎36'59	
min. Earth dist.	-7332 May 19 j 20:03	5°♎28'56	35.81730 AU

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

opposition	-7332 May 23 j 04:42	5°♎24'17	-5°45'26
direct	-7332 Aug 11 j 03:43	4°♎13'31	
evening set	-7332 Nov 04 j 11:33	5°♎43'49	
conjunction	-7332 Nov 18 j 16:37	6°♎09'37	-5°40'11
minimum elong	-7332 Nov 18 j 16:26	6°♎09'36	5°40'10
max. Earth dist.	-7332 Nov 22 j 01:56	6°♎15'49	37.93631 AU
morning rise	-7332 Dec 03 j 00:21	6°♎35'37	
retrograde	-7331 Mar 03 j 04:27	8°♎10'24	
min. Earth dist.	-7331 May 21 j 15:12	7°♎02'43	36.07621 AU
opposition	-7331 May 25 j 01:20	6°♎58'01	-6°13'08
direct	-7331 Aug 12 j 22:50	5°♎47'34	
evening set	-7331 Nov 06 j 10:39	7°♎17'30	
conjunction	-7331 Nov 20 j 11:32	7°♎42'48	-6°06'15
minimum elong	-7331 Nov 20 j 11:21	7°♎42'47	6°06'17
max. Earth dist.	-7331 Nov 23 j 22:26	7°♎49'04	38.19393 AU
morning rise	-7331 Dec 04 j 14:55	8°♎08'17	
retrograde	-7330 Mar 04 j 23:24	9°♎42'44	
min. Earth dist.	-7330 May 23 j 11:59	8°♎35'19	36.33580 AU
opposition	-7330 May 26 j 21:30	8°♎30'40	-6°40'10
direct	-7330 Aug 14 j 18:46	7°♎20'34	
evening set	-7330 Nov 08 j 09:43	8°♎50'08	
conjunction	-7330 Nov 22 j 06:05	9°♎14'56	-6°31'43
minimum elong	-7330 Nov 22 j 05:53	9°♎14'55	6°31'44
max. Earth dist.	-7330 Nov 25 j 16:47	9°♎21'08	38.45205 AU
morning rise	-7330 Dec 06 j 04:52	9°♎39'55	
retrograde	-7329 Mar 06 j 19:44	11°♎14'03	
min. Earth dist.	-7329 May 25 j 06:23	10°♎06'59	36.59558 AU
opposition	-7329 May 28 j 17:09	10°♎02'18	-7°06'33
direct	-7329 Aug 16 j 13:46	8°♎52'31	
evening set	-7329 Nov 10 j 08:43	10°♎21'47	
conjunction	-7329 Nov 24 j 00:13	10°♎46'04	-6°56'34
minimum elong	-7329 Nov 24 j 00:00	10°♎46'03	6°56'37
max. Earth dist.	-7329 Nov 27 j 11:29	10°♎52'16	38.70976 AU
morning rise	-7329 Dec 07 j 18:16	11°♎10'31	
retrograde	-7328 Mar 07 j 15:02	12°♎44'24	
min. Earth dist.	-7328 May 26 j 02:26	11°♎37'35	36.85479 AU
opposition	-7328 May 29 j 12:31	11°♎32'57	-7°32'15
direct	-7328 Aug 17 j 08:34	10°♎23'31	
evening set	-7328 Nov 11 j 07:41	11°♎52'30	
conjunction	-7328 Nov 24 j 18:15	12°♎16'15	-7°20'49
minimum elong	-7328 Nov 24 j 18:02	12°♎16'14	7°20'52
max. Earth dist.	-7328 Nov 28 j 05:51	12°♎22'27	38.96648 AU
morning rise	-7328 Dec 08 j 06:59	12°♎40'10	
retrograde	-7327 Mar 09 j 06:33	14°♎13'48	
min. Earth dist.	-7327 May 27 j 20:52	13°♎07'16	37.11251 AU
opposition	-7327 May 31 j 07:06	13°♎02'39	-7°57'19
direct	-7327 Aug 19 j 05:32	11°♎53'31	
evening set	-7327 Nov 13 j 06:41	13°♎22'16	
conjunction	-7327 Nov 26 j 11:45	13°♎45'28	-7°44'28
minimum elong	-7327 Nov 26 j 11:32	13°♎45'27	7°44'33
max. Earth dist.	-7327 Nov 29 j 22:25	13°♎51'34	39.22135 AU
morning rise	-7327 Dec 09 j 19:15	14°♎08'51	
retrograde	-7326 Mar 10 j 23:23	15°♎42'15	
min. Earth dist.	-7326 May 29 j 15:21	14°♎36'00	37.36838 AU
opposition	-7326 Jun 02 j 01:35	14°♎31'24	-8°21'45
direct	-7326 Aug 21 j 00:19	13°♎22'34	
evening set	-7326 Nov 15 j 05:17	14°♎51'04	
conjunction	-7326 Nov 28 j 04:55	15°♎13'44	-8°07'32
minimum elong	-7326 Nov 28 j 04:42	15°♎13'43	8°07'36
max. Earth dist.	-7326 Dec 01 j 16:31	15°♎19'51	39.47407 AU
morning rise	-7326 Dec 11 j 06:38	15°♎36'32	
retrograde	-7325 Mar 12 j 14:54	17°♎09'46	
min. Earth dist.	-7325 May 31 j 10:18	16°♎03'42	37.62187 AU
opposition	-7325 Jun 03 j 19:35	15°♎59'10	-8°45'33
direct	-7325 Aug 22 j 19:18	14°♎50'37	
evening set	-7325 Nov 17 j 04:00	16°♎18'55	
conjunction	-7325 Nov 29 j 21:44	16°♎41'00	-8°30'01
minimum elong	-7325 Nov 29 j 21:30	16°♎40'59	8°30'06
max. Earth dist.	-7325 Dec 03 j 08:10	16°♎47'00	39.72450 AU
morning rise	-7325 Dec 12 j 17:35	17°♎03'15	
retrograde	-7324 Mar 13 j 08:48	18°♎36'17	
min. Earth dist.	-7324 Jun 01 j 02:57	17°♎30'29	37.87324 AU
opposition	-7324 Jun 04 j 12:59	17°♎25'57	-9°08'43
direct	-7324 Aug 23 j 11:39	16°♎17'39	
evening set	-7324 Nov 18 j 02:29	17°♎45'45	
conjunction	-7324 Nov 30 j 14:11	18°♎07'16	-8°51'55
minimum elong	-7324 Nov 30 j 13:57	18°♎07'15	8°52'00
max. Earth dist.	-7324 Dec 04 j 01:13	18°♎13'15	39.97281 AU
morning rise	-7324 Dec 13 j 03:55	18°♎28'56	
retrograde	-7323 Mar 15 j 01:44	20°♎01'48	
min. Earth dist.	-7323 Jun 02 j 21:15	18°♎56'10	38.12278 AU
opposition	-7323 Jun 06 j 06:05	18°♎51'42	-9°31'15
direct	-7323 Aug 25 j 04:27	17°♎43'39	
evening set	-7323 Nov 20 j 00:46	19°♎11'36	
conjunction	-7323 Dec 02 j 06:10	19°♎32'32	-9°13'13
minimum elong	-7323 Dec 02 j 05:56	19°♎32'31	9°13'21
max. Earth dist.	-7323 Dec 05 j 16:59	19°♎38'28	40.21960 AU
morning rise	-7323 Dec 14 j 13:22	19°♎53'36	
retrograde	-7322 Mar 16 j 18:12	21°♎26'19	
min. Earth dist.	-7322 Jun 04 j 13:02	20°♎20'57	38.37098 AU
opposition	-7322 Jun 07 j 22:35	20°♎16'28	-9°53'09
direct	-7322 Aug 26 j 21:25	19°♎08'40	
evening set	-7322 Nov 21 j 23:03	20°♎36'30	
conjunction	-7322 Dec 03 j 21:45	20°♎56'50	-9°33'55
minimum elong	-7322 Dec 03 j 21:31	20°♎56'49	9°34'03
max. Earth dist.	-7322 Dec 07 j 08:27	21°♎02'44	40.46525 AU
morning rise	-7322 Dec 15 j 22:27	21°♎17'19	
retrograde	-7321 Mar 18 j 09:23	22°♎49'55	
min. Earth dist.	-7321 Jun 06 j 05:38	21°♎44'46	38.61848 AU
opposition	-7321 Jun 09 j 14:53	21°♎40'19	-10°14'24
direct	-7321 Aug 28 j 13:55	20°♎32'46	
evening set	-7321 Nov 23 j 21:03	22°♎00'30	
conjunction	-7321 Dec 05 j 13:09	22°♎20'14	-9°54'02
minimum elong	-7321 Dec 05 j 12:54	22°♎20'13	9°54'11
max. Earth dist.	-7321 Dec 09 j 00:45	22°♎26'10	40.71029 AU
morning rise	-7321 Dec 17 j 06:50	22°♎40'07	
retrograde	-7320 Mar 18 j 21:03	24°♎12'39	
min. Earth dist.	-7320 Jun 06 j 21:34	23°♎07'43	38.86517 AU
opposition	-7320 Jun 10 j 06:40	23°♎03'17	-10°35'02
direct	-7320 Aug 29 j 08:44	21°♎56'00	
evening set	-7320 Nov 24 j 19:13	23°♎23'40	
conjunction	-7320 Dec 06 j 04:10	23°♎42'48	-10°13'34
minimum elong	-7320 Dec 06 j 03:56	23°♎42'47	10°13'42
max. Earth dist.	-7320 Dec 09 j 14:41	23°♎48'38	40.95457 AU
morning rise	-7320 Dec 17 j 14:49	24°♎02'04	
retrograde	-7319 Mar 20 j 11:57	25°♎34'33	
min. Earth dist.	-7319 Jun 08 j 12:19	24°♎29'54	39.11118 AU
opposition	-7319 Jun 11 j 22:00	24°♎25'28	-10°55'02
direct	-7319 Aug 30 j 23:56	23°♎18'27	
evening set	-7319 Nov 26 j 17:05	24°♎46'04	

Attention, astronomical year style is used: The year -7319 in astronomical counting style is the year 7320 BCE in historical counting style.

conjunction	-7319 Dec 07 j 18:54	25°♎04'36	-10°32'31	
minimum elong	-7319 Dec 07 j 18:39	25°♎04'35	10°32'40	
max. Earth dist.	-7319 Dec 11 j 06:30	25°♎10'28	41.19795 AU	
morning rise	-7319 Dec 18 j 22:13	25°♎23'15		
retrograde	-7318 Mar 22 j 02:22	26°♎55'44		
min. Earth dist.	-7318 Jun 10 j 04:39	25°♎51'16	39.35606 AU	
opposition	-7318 Jun 13 j 13:11	25°♎46'54	-11°14'25	
direct	-7318 Sep 01 j 14:52	24°♎40'09		
evening set	-7318 Nov 28 j 14:55	26°♎07'46		
conjunction	-7318 Dec 09 j 09:13	26°♎25'41	-10°50'53	
minimum elong	-7318 Dec 09 j 08:59	26°♎25'40	10°51'03	
max. Earth dist.	-7318 Dec 12 j 20:05	26°♎31'27	41.44011 AU	
morning rise	-7318 Dec 20 j 04:54	26°♎43'43		
retrograde	-7317 Mar 23 j 18:26	28°♎16'12		
min. Earth dist.	-7317 Jun 11 j 18:39	27°♎12'01	39.59937 AU	
opposition	-7317 Jun 15 j 03:58	27°♎07'38	-11°33'13	
direct	-7317 Sep 03 j 04:13	26°♎01'09		
evening set	-7317 Nov 30 j 12:51	27°♎28'48		
conjunction	-7317 Dec 10 j 23:25	27°♎46'06	-11°08'42	
minimum elong	-7317 Dec 10 j 23:10	27°♎46'04	11°08'53	
max. Earth dist.	-7317 Dec 14 j 10:09	27°♎51'49	41.68025 AU	
morning rise	-7317 Dec 21 j 11:26	28°♎03'29		
retrograde	-7316 Mar 24 j 10:22	29°♎36'00		
min. Earth dist.	-7316 Jun 12 j 10:27	28°♎31'59	39.84049 AU	
opposition	-7316 Jun 15 j 18:26	28°♎27'42	-11°51'25	
direct	-7316 Sep 03 j 17:41	27°♎21'28		
evening set	-7316 Dec 01 j 10:50	28°♎49'10		
conjunction	-7316 Dec 11 j 13:33	29°♎05'50	-11°25'59	
minimum elong	-7316 Dec 11 j 13:19	29°♎05'49	11°26'11	
max. Earth dist.	-7316 Dec 15 j 00:08	29°♎11'31	41.91790 AU	
morning rise	-7316 Dec 21 j 17:22	29°♎22'34		
	-7315 Jan 14 j 20:30	0°♏		
retrograde	-7315 Mar 25 j 23:12	0°♏55'08		
	-7315 Jun 07 j 06:06	30°℞♎		
min. Earth dist.	-7315 Jun 14 j 00:57	29°♎51'21	40.07855 AU	
opposition	-7315 Jun 17 j 08:31	29°♎47'05	-12°09'03	
direct	-7315 Sep 05 j 09:23	28°♎41'06		
	-7315 Nov 27 j 20:45	0°♏		
evening set	-7315 Dec 03 j 08:48	0°♏08'53		
conjunction	-7315 Dec 13 j 03:10	0°♏24'53	-11°42'45	
minimum elong	-7315 Dec 13 j 02:55	0°♏24'52	11°42'57	
max. Earth dist.	-7315 Dec 16 j 12:17	0°♏30'27	42.15216 AU	
morning rise	-7315 Dec 22 j 22:45	0°♏40'58		
retrograde	-7314 Mar 27 j 12:01	2°♏13'37		
min. Earth dist.	-7314 Jun 15 j 15:24	1°♏10'00	40.31314 AU	
opposition	-7314 Jun 18 j 22:27	1°♏05'48	-12°26'09	
direct	-7314 Sep 06 j 23:49	0°♏00'02		
evening set	-7314 Dec 05 j 06:46	1°♏27'53		
conjunction	-7314 Dec 14 j 16:47	1°♏43'14	-11°59'00	
minimum elong	-7314 Dec 14 j 16:34	1°♏43'13	11°59'12	
max. Earth dist.	-7314 Dec 18 j 02:15	1°♏48'47	42.38273 AU	
morning rise	-7314 Dec 24 j 03:46	1°♏58'39		
retrograde	-7313 Mar 28 j 22:18	3°♏31'22		
min. Earth dist.	-7313 Jun 17 j 06:28	2°♏27'54	40.54375 AU	
opposition	-7313 Jun 20 j 12:02	2°♏23'46	-12°42'43	
direct	-7313 Sep 08 j 16:10	1°♏18'13		
evening set	-7313 Dec 07 j 04:51	2°♏46'09		
conjunction	-7313 Dec 16 j 06:02	3°♏00'50	-12°14'44	
minimum elong	-7313 Dec 16 j 05:48	3°♏00'49	12°14'57	
max. Earth dist.	-7313 Dec 19 j 13:41	3°♏06'14	42.60945 AU	
morning rise	-7313 Dec 25 j 08:07	3°♏15'35		
retrograde	-7312 Mar 29 j 12:17	4°♏48'22		
min. Earth dist.	-7312 Jun 17 j 19:32	3°♏45'05	40.77054 AU	
opposition	-7312 Jun 21 j 01:15	3°♏40'58	-12°58'45	
direct	-7312 Sep 09 j 04:40	2°♏35'35		
evening set	-7312 Dec 08 j 02:52	4°♏03'38		
conjunction	-7312 Dec 16 j 19:02	4°♏17'38	-12°29'59	
minimum elong	-7312 Dec 16 j 18:49	4°♏17'37	12°30'14	
max. Earth dist.	-7312 Dec 20 j 02:35	4°♏22'59	42.83236 AU	
morning rise	-7312 Dec 25 j 12:03	4°♏31'41		
retrograde	-7311 Mar 31 j 01:32	6°♏04'35		
min. Earth dist.	-7311 Jun 19 j 10:12	5°♏01'22	40.99384 AU	
opposition	-7311 Jun 22 j 14:07	4°♏57'21	-13°14'16	
direct	-7311 Sep 10 j 16:52	3°♏52'10		
evening set	-7311 Dec 10 j 00:57	5°♏20'20		
conjunction	-7311 Dec 18 j 07:44	5°♏33'38	-12°44'44	
minimum elong	-7311 Dec 18 j 07:30	5°♏33'37	12°44'58	
max. Earth dist.	-7311 Dec 21 j 14:47	5°♏38'56	43.05224 AU	
morning rise	-7311 Dec 26 j 15:06	5°♏46'59		
retrograde	-7310 Apr 01 j 13:30	7°♏20'01		
min. Earth dist.	-7310 Jun 20 j 22:28	6°♏16'58	41.21425 AU	
opposition	-7310 Jun 24 j 02:35	6°♏12'58	-13°29'14	
direct	-7310 Sep 12 j 06:22	5°♏07'56		
evening set	-7310 Dec 11 j 22:56	6°♏36'17		
conjunction	-7310 Dec 19 j 19:53	6°♏48'52	-12°58'58	
minimum elong	-7310 Dec 19 j 19:40	6°♏48'52	12°59'13	
max. Earth dist.	-7310 Dec 23 j 02:01	6°♏54'05	43.26950 AU	
morning rise	-7310 Dec 27 j 17:33	7°♏01'30		
retrograde	-7309 Apr 03 j 01:26	8°♏34'41		
min. Earth dist.	-7309 Jun 22 j 11:30	7°♏31'47	41.43246 AU	
opposition	-7309 Jun 25 j 14:57	7°♏27'49	-13°43'40	
direct	-7309 Sep 13 j 19:07	6°♏22'58		
evening set	-7309 Dec 13 j 21:13	7°♏51'32		
conjunction	-7309 Dec 21 j 08:10	8°♏03'24	-13°12'41	
minimum elong	-7309 Dec 21 j 07:57	8°♏03'23	13°12'56	
max. Earth dist.	-7309 Dec 24 j 14:50	8°♏08'37	43.48476 AU	
morning rise	-7309 Dec 28 j 19:32	8°♏15'17		
retrograde	-7308 Apr 03 j 10:40	9°♏48'41		
min. Earth dist.	-7308 Jun 23 j 00:10	8°♏45'55	41.64860 AU	
opposition	-7308 Jun 26 j 02:46	8°♏42'00	-13°57'34	
direct	-7308 Sep 14 j 09:32	7°♏37'20		
evening set	-7308 Dec 14 j 19:46	9°♏06'10		
conjunction	-7308 Dec 21 j 20:02	9°♏17'16	-13°25'55	
minimum elong	-7308 Dec 21 j 19:49	9°♏17'15	13°26'11	
max. Earth dist.	-7308 Dec 25 j 01:18	9°♏22'22	43.69818 AU	
morning rise	-7308 Dec 28 j 20:43	9°♏28'24		
retrograde	-7307 Apr 04 j 22:08	11°♏02'03		
min. Earth dist.	-7307 Jun 24 j 11:30	9°♏59'29	41.86297 AU	
opposition	-7307 Jun 27 j 14:27	9°♏55'34	-14°10'57	
direct	-7307 Sep 15 j 21:17	8°♏51'07		
evening set	-7307 Dec 16 j 18:19	10°♏20'15		
conjunction	-7307 Dec 23 j 07:35	10°♏30'34	-13°38'38	
minimum elong	-7307 Dec 23 j 07:23	10°♏30'33	13°38'54	
max. Earth dist.	-7307 Dec 26 j 13:20	10°♏35'41	43.90970 AU	
morning rise	-7307 Dec 29 j 21:11	10°♏40'55		
retrograde	-7306 Apr 06 j 10:17	12°♏14'52		
min. Earth dist.	-7306 Jun 26 j 00:25	11°♏12'27	42.07531 AU	
opposition	-7306 Jun 29 j 01:59	11°♏08'37	-14°23'48	
direct	-7306 Sep 17 j 08:12	10°♏04'22		
evening set	-7306 Dec 18 j 17:31	11°♏33'51		
conjunction	-7306 Dec 24 j 19:04	11°♏43'22	-13°50'52	

Attention, astronomical year style is used: The year -7306 in astronomical counting style is the year 7307 BCE in historical counting style.

minimum elong	-7306 Dec 24 j 18:52	11°♏43'21	13°51'10	
max. Earth dist.	-7306 Dec 27 j 23:59	11°♏48'24	44.11929 AU	
morning rise	-7306 Dec 30 j 20:49	11°♏52'54		
retrograde	-7305 Apr 07 j 23:35	13°♏27'12		
min. Earth dist.	-7305 Jun 27 j 11:17	12°♏25'00	42.28537 AU	
opposition	-7305 Jun 30 j 13:05	12°♏21'11	-14°36'09	
direct	-7305 Sep 18 j 17:17	11°♏17'08		
evening set	-7305 Dec 20 j 17:11	12°♏47'03		
conjunction	-7305 Dec 26 j 06:19	12°♏55'43	-14°02'38	
minimum elong	-7305 Dec 26 j 06:08	12°♏55'42	14°02'56	
max. Earth dist.	-7305 Dec 29 j 10:22	13°♏00'40	44.32625 AU	
morning rise	-7305 Dec 31 j 19:39	13°♏04'24		
retrograde	-7304 Apr 08 j 11:04	14°♏39'06		
min. Earth dist.	-7304 Jun 27 j 23:44	13°♏37'03	42.49263 AU	
opposition	-7304 Jul 01 j 00:09	13°♏33'18	-14°48'01	
direct	-7304 Sep 19 j 04:08	12°♏29'28		
evening set	-7304 Dec 21 j 17:49	13°♏59'52		
conjunction	-7304 Dec 26 j 17:35	14°♏07'39	-14°13'57	
minimum elong	-7304 Dec 26 j 17:24	14°♏07'38	14°14'16	
max. Earth dist.	-7304 Dec 29 j 21:38	14°♏12'35	44.53012 AU	
morning rise	-7304 Dec 31 j 17:22	14°♏15'25		
	-7303 Jan 31 j 00:02	15°♏		
retrograde	-7303 Apr 09 j 19:03	15°♏50'35		
	-7303 Jun 20 j 05:30	15°℞♏		
min. Earth dist.	-7303 Jun 29 j 11:18	14°♏48'41	42.69626 AU	
opposition	-7303 Jul 02 j 10:44	14°♏45'00	-14°59'25	
direct	-7303 Sep 20 j 17:47	13°♏41'22		
	-7303 Dec 15 j 18:35	15°♏		
evening set	-7303 Dec 23 j 19:36	15°♏12'21		
conjunction	-7303 Dec 28 j 04:32	15°♏19'09	-14°24'49	
minimum elong	-7303 Dec 28 j 04:22	15°♏19'08	14°25'08	
max. Earth dist.	-7303 Dec 31 j 06:30	15°♏23'56	44.73018 AU	
morning rise	-7302 Jan 01 j 13:30	15°♏25'56		
retrograde	-7302 Apr 11 j 05:17	17°♏01'39		
min. Earth dist.	-7302 Jun 30 j 22:19	15°♏59'56	42.89592 AU	
opposition	-7302 Jul 03 j 21:20	15°♏56'16	-15°10'22	
	-7302 Aug 28 j 18:08	15°℞♏		
direct	-7302 Sep 22 j 05:15	14°♏52'49		
	-7302 Oct 16 j 07:28	15°♏		
evening set	-7302 Dec 25 j 23:03	16°♏24'31		
conjunction	-7302 Dec 29 j 15:20	16°♏30'11	-14°35'17	
minimum elong	-7302 Dec 29 j 15:09	16°♏30'10	14°35'36	
morning rise	-7301 Jan 02 j 07:29	16°♏35'52		
max. Earth dist.	-7301 Jan 01 j 17:13	16°♏34'57	44.92596 AU	
retrograde	-7301 Apr 12 j 14:39	18°♏12'16		
min. Earth dist.	-7301 Jul 02 j 10:51	17°♏10'37	43.09100 AU	
opposition	-7301 Jul 05 j 07:46	17°♏07'04	-15°20'53	
direct	-7301 Sep 23 j 17:06	16°♏03'48		
evening set	-7301 Dec 28 j 06:07	17°♏36'23		
conjunction	-7301 Dec 31 j 02:05	17°♏40'44	-14°45'19	
minimum elong	-7301 Dec 31 j 01:56	17°♏40'43	14°45'38	
morning rise	-7300 Jan 02 j 21:53	17°♏45'05		
max. Earth dist.	-7300 Jan 03 j 02:17	17°♏45'22	45.11730 AU	
retrograde	-7300 Apr 13 j 02:21	19°♏22'22		
min. Earth dist.	-7300 Jul 02 j 20:56	18°♏20'52	43.28158 AU	
opposition	-7300 Jul 05 j 17:43	18°♏17'21	-15°30'59	
direct	-7300 Sep 24 j 02:08	17°♏14'12		
evening set	-7300 Dec 29 j 21:16	18°♏48'14		
conjunction	-7300 Dec 31 j 12:30	18°♏50'44	-14°54'57	
minimum elong	-7300 Dec 31 j 12:19	18°♏50'43	14°55'17	
morning rise	-7299 Jan 02 j 03:27	18°♏53'13		
max. Earth dist.	-7299 Jan 03 j 11:38	18°♏55'16	45.30420 AU	
retrograde	-7299 Apr 14 j 15:05	20°♏31'55		
min. Earth dist.	-7299 Jul 04 j 08:38	19°♏30'27	43.46803 AU	
opposition	-7299 Jul 07 j 03:39	19°♏27'03	-15°40'38	
direct	-7299 Sep 25 j 09:54	18°♏24'02		
conjunction	-7298 Jan 01 j 22:38	20°♏00'09	-15°04'10	
minimum elong	-7298 Jan 01 j 22:30	20°♏00'09	15°04'30	
max. Earth dist.	-7298 Jan 04 j 21:31	20°♏04'39	45.48734 AU	
retrograde	-7298 Apr 15 j 23:25	21°♏40'53		
min. Earth dist.	-7298 Jul 05 j 18:45	20°♏39'32	43.65081 AU	
opposition	-7298 Jul 08 j 13:13	20°♏36'10	-15°49'52	
direct	-7298 Sep 26 j 20:53	19°♏33'16		
conjunction	-7297 Jan 03 j 08:32	21°♏08'59	-15°12'57	
minimum elong	-7297 Jan 03 j 08:22	21°♏08'59	15°13'18	
max. Earth dist.	-7297 Jan 06 j 05:44	21°♏13'22	45.66722 AU	
retrograde	-7297 Apr 17 j 07:23	22°♏49'17		
min. Earth dist.	-7297 Jul 07 j 04:39	21°♏48'03	43.83074 AU	
opposition	-7297 Jul 09 j 22:35	21°♏44'42	-15°58'39	
direct	-7297 Sep 28 j 07:43	20°♏41'56		
conjunction	-7296 Jan 04 j 18:25	22°♏17'16	-15°21'19	
minimum elong	-7296 Jan 04 j 18:17	22°♏17'16	15°21'41	
max. Earth dist.	-7296 Jan 07 j 16:02	22°♏21'40	45.84441 AU	
retrograde	-7296 Apr 17 j 13:35	23°♏57'10		
min. Earth dist.	-7296 Jul 07 j 15:17	22°♏55'59	44.00797 AU	
opposition	-7296 Jul 10 j 07:47	22°♏52'43	-16°07'00	
direct	-7296 Sep 28 j 20:20	21°♏50'05		
conjunction	-7295 Jan 05 j 04:01	23°♏25'03	-15°29'16	
minimum elong	-7295 Jan 05 j 03:52	23°♏25'02	15°29'38	
max. Earth dist.	-7295 Jan 08 j 00:06	23°♏29'20	46.01921 AU	
retrograde	-7295 Apr 18 j 23:27	25°♏04'32		
min. Earth dist.	-7295 Jul 08 j 23:45	24°♏03'32	44.18284 AU	
opposition	-7295 Jul 11 j 16:36	24°♏00'15	-16°14'54	
direct	-7295 Sep 30 j 04:57	22°♏57'46		
conjunction	-7294 Jan 06 j 13:24	24°♏32'22	-15°36'48	
minimum elong	-7294 Jan 06 j 13:17	24°♏32'22	15°37'11	
max. Earth dist.	-7294 Jan 09 j 09:06	24°♏36'36	46.19165 AU	
retrograde	-7294 Apr 20 j 09:57	26°♏11'29		
min. Earth dist.	-7294 Jul 10 j 10:18	25°♏10'33	44.35534 AU	
opposition	-7294 Jul 13 j 01:30	25°♏07'22	-16°22'23	
direct	-7294 Oct 01 j 12:25	24°♏05'02		
conjunction	-7293 Jan 07 j 22:41	25°♏39'18	-15°43'55	
minimum elong	-7293 Jan 07 j 22:34	25°♏39'17	15°44'17	
max. Earth dist.	-7293 Jan 10 j 18:08	25°♏43'30	46.36175 AU	
retrograde	-7293 Apr 21 j 19:10	27°♏18'02		
min. Earth dist.	-7293 Jul 11 j 19:08	26°♏17'16	44.52508 AU	
opposition	-7293 Jul 14 j 10:04	26°♏14'06	-16°29'26	
direct	-7293 Oct 02 j 21:07	25°♏11'54		
conjunction	-7292 Jan 09 j 07:51	26°♏45'52	-15°50'39	
minimum elong	-7292 Jan 09 j 07:45	26°♏45'52	15°51'02	
max. Earth dist.	-7292 Jan 12 j 01:31	26°♏49'57	46.52889 AU	
retrograde	-7292 Apr 22 j 04:27	28°♏24'15		
min. Earth dist.	-7292 Jul 12 j 04:31	27°♏23'36	44.69171 AU	
opposition	-7292 Jul 14 j 18:26	27°♏20'30	-16°36'05	
direct	-7292 Oct 03 j 05:26	26°♏18'28		
conjunction	-7291 Jan 09 j 17:05	27°♏52'08	-15°57'00	
minimum elong	-7291 Jan 09 j 16:59	27°♏52'08	15°57'23	
max. Earth dist.	-7291 Jan 12 j 10:44	27°♏56'12	46.69258 AU	
retrograde	-7291 Apr 23 j 10:52	29°♏30'11		
min. Earth dist.	-7291 Jul 13 j 14:34	28°♏29'37	44.85440 AU	

Attention, astronomical year style is used: The year -7291 in astronomical counting style is the year 7292 BCE in historical counting style.

opposition	-7291 Jul	16 j 02:45	28°♏26'36	-16°42'22
direct	-7291 Oct	04 j 15:59	27°♏24'44	
conjunction	-7290 Jan	11 j 01:58	28°♏58'06	-16°02'59
minimum elong	-7290 Jan	11 j 01:52	28°♏58'05	16°03'23
max. Earth dist.	-7290 Jan	13 j 17:36	29°♏02'01	46.85216 AU
	-7290 Feb	25 j 08:57	0°♐	
retrograde	-7290 Apr	24 j 19:10	0°♐35'49	
	-7290 Jun	23 j 14:51	30°℞♏	
min. Earth dist.	-7290 Jul	14 j 23:05	29°♏35'24	45.01267 AU
opposition	-7290 Jul	17 j 10:55	29°♏32'25	-16°48'16
direct	-7290 Oct	06 j 00:52	28°♏30'41	
	-7289 Jan	09 j 21:44	0°♐	
conjunction	-7289 Jan	12 j 10:55	0°♐03'45	-16°08'38
minimum elong	-7289 Jan	12 j 10:51	0°♐03'45	16°09'01
max. Earth dist.	-7289 Jan	15 j 01:35	0°♐07'36	47.00697 AU
retrograde	-7289 Apr	26 j 05:26	1°♐41'09	
min. Earth dist.	-7289 Jul	16 j 09:26	0°♐40'46	45.16598 AU
opposition	-7289 Jul	18 j 19:00	0°♐37'54	-16°53'50
	-7289 Aug	21 j 20:23	30°℞♏	
direct	-7289 Oct	07 j 07:54	29°♏36'17	
	-7289 Nov	21 j 23:47	0°♐	
conjunction	-7288 Jan	13 j 19:52	1°♐09'05	-16°13'56
minimum elong	-7288 Jan	13 j 19:47	1°♐09'04	16°14'21
max. Earth dist.	-7288 Jan	16 j 09:17	1°♐12'50	47.15690 AU
retrograde	-7288 Apr	26 j 14:36	2°♐46'08	
min. Earth dist.	-7288 Jul	16 j 17:55	1°♐45'51	45.31414 AU
opposition	-7288 Jul	19 j 02:49	1°♐43'02	-16°59'03
direct	-7288 Oct	07 j 14:56	0°♐41'31	
conjunction	-7287 Jan	14 j 04:26	2°♐14'01	-16°18'55
minimum elong	-7287 Jan	14 j 04:23	2°♐14'01	16°19'19
max. Earth dist.	-7287 Jan	16 j 15:46	2°♐17'39	47.30176 AU
retrograde	-7287 Apr	27 j 22:40	3°♐50'45	
min. Earth dist.	-7287 Jul	18 j 03:06	2°♐50'30	45.45757 AU
opposition	-7287 Jul	20 j 10:30	2°♐47'45	-17°03'55
direct	-7287 Oct	08 j 23:06	1°♐46'21	
conjunction	-7286 Jan	15 j 12:58	3°♐18'34	-16°23'33
minimum elong	-7286 Jan	15 j 12:53	3°♐18'34	16°23'58
max. Earth dist.	-7286 Jan	18 j 00:12	3°♐22'10	47.44221 AU
retrograde	-7286 Apr	29 j 02:53	4°♐54'57	
min. Earth dist.	-7286 Jul	19 j 12:03	3°♐54'46	45.59672 AU
opposition	-7286 Jul	21 j 17:59	3°♐52'05	-17°08'26
direct	-7286 Oct	10 j 10:18	2°♐50'47	
conjunction	-7285 Jan	16 j 21:10	4°♐22'43	-16°27'50
minimum elong	-7285 Jan	16 j 21:07	4°♐22'42	16°28'16
max. Earth dist.	-7285 Jan	19 j 06:23	4°♐26'11	47.57882 AU
retrograde	-7285 Apr	30 j 10:07	5°♐58'47	
min. Earth dist.	-7285 Jul	20 j 19:32	4°♐58'42	45.73227 AU
opposition	-7285 Jul	23 j 01:18	4°♐56'02	-17°12'36
direct	-7285 Oct	11 j 18:44	3°♐54'49	
conjunction	-7284 Jan	18 j 05:24	5°♐26'29	-16°31'47
minimum elong	-7284 Jan	18 j 05:20	5°♐26'28	16°32'12
max. Earth dist.	-7284 Jan	20 j 14:09	5°♐29'54	47.71197 AU
retrograde	-7284 Apr	30 j 18:13	7°♐02'15	
min. Earth dist.	-7284 Jul	21 j 04:41	6°♐02'11	45.86459 AU
opposition	-7284 Jul	23 j 08:26	5°♐59'37	-17°16'24
direct	-7284 Oct	12 j 02:11	4°♐58'30	
conjunction	-7283 Jan	18 j 13:31	6°♐29'54	-16°35'22
minimum elong	-7283 Jan	18 j 13:29	6°♐29'54	16°35'48
max. Earth dist.	-7283 Jan	20 j 21:31	6°♐33'17	47.84225 AU
retrograde	-7283 May	02 j 03:04	8°♐05'22	
min. Earth dist.	-7283 Jul	22 j 11:41	7°♐05'26	45.99397 AU
opposition	-7283 Jul	24 j 15:26	7°♐02'53	-17°19'50
direct	-7283 Oct	13 j 08:07	6°♐01'52	
conjunction	-7282 Jan	19 j 21:10	7°♐33'02	-16°38'37
minimum elong	-7282 Jan	19 j 21:07	7°♐33'02	16°39'02
max. Earth dist.	-7282 Jan	22 j 03:34	7°♐36'18	47.96966 AU
retrograde	-7282 May	03 j 12:39	9°♐08'13	
min. Earth dist.	-7282 Jul	23 j 19:52	8°♐08'21	46.12058 AU
opposition	-7282 Jul	25 j 22:27	8°♐05'52	-17°22'54
direct	-7282 Oct	14 j 13:01	7°♐04'58	
conjunction	-7281 Jan	21 j 05:04	8°♐35'55	-16°41'30
minimum elong	-7281 Jan	21 j 05:03	8°♐35'55	16°41'57
max. Earth dist.	-7281 Jan	23 j 11:35	8°♐39'11	48.09427 AU
retrograde	-7281 May	04 j 18:06	10°♐10'50	
min. Earth dist.	-7281 Jul	25 j 03:52	9°♐11'02	46.24404 AU
opposition	-7281 Jul	27 j 05:10	9°♐08'37	-17°25'37
direct	-7281 Oct	15 j 21:49	8°♐07'50	
conjunction	-7280 Jan	22 j 12:48	9°♐38'34	-16°44'04
minimum elong	-7280 Jan	22 j 12:46	9°♐38'34	16°44'30
max. Earth dist.	-7280 Jan	24 j 17:15	9°♐41'42	48.21572 AU
retrograde	-7280 May	04 j 23:22	11°♐13'14	
min. Earth dist.	-7280 Jul	25 j 10:56	10°♐13'33	46.36411 AU
opposition	-7280 Jul	27 j 11:50	10°♐11'09	-17°28'00
direct	-7280 Oct	16 j 06:20	9°♐10'29	
conjunction	-7279 Jan	22 j 20:26	10°♐41'01	-16°46'18
minimum elong	-7279 Jan	22 j 20:26	10°♐41'01	16°46'46
max. Earth dist.	-7279 Jan	25 j 00:19	10°♐44'07	48.33334 AU
retrograde	-7279 May	06 j 06:08	12°♐15'27	
min. Earth dist.	-7279 Jul	26 j 19:44	11°♐15'48	46.48003 AU
opposition	-7279 Jul	28 j 18:25	11°♐13'31	-17°30'04
direct	-7279 Oct	17 j 14:19	10°♐12'57	
conjunction	-7278 Jan	24 j 04:06	11°♐43'17	-16°48'14
minimum elong	-7278 Jan	24 j 04:06	11°♐43'17	16°48'41
max. Earth dist.	-7278 Jan	26 j 06:32	11°♐46'17	48.44675 AU
retrograde	-7278 May	07 j 15:12	13°♐17'28	
min. Earth dist.	-7278 Jul	28 j 02:35	12°♐17'55	46.59129 AU
opposition	-7278 Jul	30 j 00:47	12°♐15'40	-17°31'49
direct	-7278 Oct	18 j 19:13	11°♐15'11	
conjunction	-7277 Jan	25 j 11:34	12°♐45'19	-16°49'53
minimum elong	-7277 Jan	25 j 11:33	12°♐45'19	16°50'21
max. Earth dist.	-7277 Jan	27 j 11:54	12°♐48'11	48.55516 AU
retrograde	-7277 May	08 j 23:42	14°♐19'15	
min. Earth dist.	-7277 Jul	29 j 11:07	13°♐19'43	46.69742 AU
opposition	-7277 Jul	31 j 07:16	13°♐17'34	-17°33'17
direct	-7277 Oct	20 j 00:30	12°♐17'10	
conjunction	-7276 Jan	26 j 19:15	13°♐47'06	-16°51'15
minimum elong	-7276 Jan	26 j 19:16	13°♐47'06	16°51'41
max. Earth dist.	-7276 Jan	28 j 18:58	13°♐49'55	48.65835 AU
retrograde	-7276 May	09 j 04:35	15°♐20'45	
min. Earth dist.	-7276 Jul	29 j 18:45	14°♐21'14	46.79809 AU
opposition	-7276 Jul	31 j 13:25	14°♐19'10	-17°34'28
direct	-7276 Oct	20 j 09:02	13°♐18'49	
conjunction	-7275 Jan	27 j 02:35	14°♐48'33	-16°52'20
minimum elong	-7275 Jan	27 j 02:35	14°♐48'33	16°52'48
max. Earth dist.	-7275 Jan	28 j 23:41	14°♐51'12	48.75636 AU
retrograde	-7275 May	10 j 10:04	16°♐21'56	
min. Earth dist.	-7275 Jul	31 j 01:39	15°♐22'27	46.89382 AU
opposition	-7275 Aug	01 j 19:32	15°♐20'25	-17°35'21

Attention, astronomical year style is used: The year -7275 in astronomical counting style is the year 7276 BCE in historical counting style.

direct	-7275 Oct 21 j 16:49	14°♐20'08	
conjunction	-7274 Jan 28 j 09:41	15°♐49'38	-16°53'08
minimum elong	-7274 Jan 28 j 09:43	15°♐49'38	16°53'35
max. Earth dist.	-7274 Jan 30 j 06:14	15°♐52'15	48.84956 AU
retrograde	-7274 May 11 j 14:53	17°♐22'47	
min. Earth dist.	-7274 Aug 01 j 09:55	16°♐23'16	46.98498 AU
opposition	-7274 Aug 03 j 01:37	16°♐21'20	-17°35'57
direct	-7274 Oct 23 j 01:03	15°♐21'05	
conjunction	-7273 Jan 29 j 16:51	16°♐50'22	-16°53'38
minimum elong	-7273 Jan 29 j 16:52	16°♐50'22	16°54'06
max. Earth dist.	-7273 Jan 31 j 12:07	16°♐52'55	48.93872 AU
retrograde	-7273 May 12 j 21:38	18°♐23'16	
min. Earth dist.	-7273 Aug 02 j 15:49	17°♐23'48	47.07230 AU
opposition	-7273 Aug 04 j 07:18	17°♐21'53	-17°36'14
direct	-7273 Oct 24 j 07:10	16°♐21'41	
conjunction	-7272 Jan 30 j 23:51	17°♐50'47	-16°53'50
minimum elong	-7272 Jan 30 j 23:54	17°♐50'47	16°54'18
max. Earth dist.	-7272 Feb 01 j 17:24	17°♐53'13	49.02424 AU
retrograde	-7272 May 13 j 06:39	19°♐23'26	
min. Earth dist.	-7272 Aug 02 j 23:14	18°♐23'58	47.15630 AU
opposition	-7272 Aug 04 j 13:07	18°♐22'08	-17°36'12
direct	-7272 Oct 24 j 10:50	17°♐21'59	
conjunction	-7271 Jan 31 j 06:46	18°♐50'54	-16°53'44
minimum elong	-7271 Jan 31 j 06:48	18°♐50'54	16°54'12
max. Earth dist.	-7271 Feb 02 j 00:16	18°♐53'20	49.10671 AU
retrograde	-7271 May 14 j 11:48	20°♐23'20	
min. Earth dist.	-7271 Aug 04 j 05:40	19°♐23'55	47.23723 AU
opposition	-7271 Aug 05 j 18:41	19°♐22'07	-17°35'52
direct	-7271 Oct 25 j 17:40	18°♐22'01	
conjunction	-7270 Feb 01 j 13:28	19°♐50'47	-16°53'19
minimum elong	-7270 Feb 01 j 13:32	19°♐50'48	16°53'47
max. Earth dist.	-7270 Feb 03 j 05:02	19°♐53'06	49.18641 AU
retrograde	-7270 May 15 j 16:56	21°♐23'01	
min. Earth dist.	-7270 Aug 05 j 11:38	20°♐23'40	47.31550 AU
opposition	-7270 Aug 07 j 00:13	20°♐21'54	-17°35'12
direct	-7270 Oct 27 j 00:05	19°♐21'53	
conjunction	-7269 Feb 02 j 20:11	20°♐50'31	-16°52'36
minimum elong	-7269 Feb 02 j 20:14	20°♐50'31	16°53'04
max. Earth dist.	-7269 Feb 04 j 11:26	20°♐52'48	49.26333 AU
retrograde	-7269 May 16 j 21:17	22°♐22'34	
min. Earth dist.	-7269 Aug 06 j 19:00	21°♐23'14	47.39077 AU
opposition	-7269 Aug 08 j 05:47	21°♐21'33	-17°34'13
direct	-7269 Oct 28 j 08:12	20°♐21'37	
conjunction	-7268 Feb 04 j 02:57	21°♐50'07	-16°51'34
minimum elong	-7268 Feb 04 j 03:02	21°♐50'08	16°52'03
max. Earth dist.	-7268 Feb 05 j 16:55	21°♐52'20	49.33729 AU
retrograde	-7268 May 17 j 04:55	23°♐22'00	
min. Earth dist.	-7268 Aug 07 j 00:28	22°♐22'48	47.46274 AU
opposition	-7268 Aug 08 j 11:00	22°♐21'07	-17°32'56
direct	-7268 Oct 28 j 12:43	21°♐21'16	
conjunction	-7267 Feb 04 j 09:34	22°♐49'40	-16°50'16
minimum elong	-7267 Feb 04 j 09:38	22°♐49'40	16°50'44
max. Earth dist.	-7267 Feb 05 j 21:49	22°♐51'46	49.40765 AU
retrograde	-7267 May 18 j 13:17	24°♐21'24	
min. Earth dist.	-7267 Aug 08 j 07:51	23°♐22'13	47.53094 AU
opposition	-7267 Aug 09 j 16:25	23°♐20'39	-17°31'22
direct	-7267 Oct 29 j 15:42	22°♐20'52	
conjunction	-7266 Feb 05 j 16:10	23°♐49'10	-16°48'41
minimum elong	-7266 Feb 05 j 16:14	23°♐49'11	16°49'10
max. Earth dist.	-7266 Feb 07 j 04:00	23°♐51'15	49.47395 AU
retrograde	-7266 May 19 j 18:45	25°♐20'45	
opposition	-7266 Aug 10 j 21:42	24°♐20'06	-17°29'32
min. Earth dist.	-7266 Aug 09 j 14:20	24°♐21'36	47.59455 AU
direct	-7266 Oct 30 j 22:09	23°♐20'24	
conjunction	-7265 Feb 06 j 22:47	24°♐48'37	-16°46'51
minimum elong	-7265 Feb 06 j 22:52	24°♐48'37	16°47'19
max. Earth dist.	-7265 Feb 08 j 07:55	24°♐50'32	49.53546 AU
retrograde	-7265 May 20 j 23:58	26°♐20'02	
min. Earth dist.	-7265 Aug 10 j 20:35	25°♐20'55	47.65319 AU
opposition	-7265 Aug 12 j 02:52	25°♐19'28	-17°27'27
direct	-7265 Nov 01 j 04:40	24°♐19'49	
conjunction	-7264 Feb 08 j 05:31	25°♐47'56	-16°44'46
minimum elong	-7264 Feb 08 j 05:36	25°♐47'57	16°45'15
max. Earth dist.	-7264 Feb 09 j 13:45	25°♐49'48	49.59174 AU
retrograde	-7264 May 21 j 03:47	27°♐19'12	
min. Earth dist.	-7264 Aug 11 j 04:23	26°♐20'03	47.70642 AU
opposition	-7264 Aug 12 j 08:09	26°♐18'43	-17°25'06
direct	-7264 Nov 01 j 12:23	25°♐19'07	
conjunction	-7263 Feb 08 j 11:59	26°♐47'06	-16°42'26
minimum elong	-7263 Feb 08 j 12:05	26°♐47'07	16°42'54
max. Earth dist.	-7263 Feb 09 j 18:27	26°♐48'52	49.64285 AU
retrograde	-7263 May 22 j 09:21	28°♐18'13	
min. Earth dist.	-7263 Aug 12 j 09:39	27°♐19'07	47.75452 AU
opposition	-7263 Aug 13 j 13:07	27°♐17'47	-17°22'30
direct	-7263 Nov 02 j 18:31	26°♐18'13	
conjunction	-7262 Feb 09 j 18:20	27°♐46'05	-16°39'50
minimum elong	-7262 Feb 09 j 18:25	27°♐46'05	16°40'20
max. Earth dist.	-7262 Feb 10 j 22:47	27°♐47'43	49.68901 AU
retrograde	-7262 May 23 j 18:08	29°♐17'01	
opposition	-7262 Aug 14 j 18:09	28°♐16'39	-17°19'38
min. Earth dist.	-7262 Aug 13 j 16:45	28°♐17'52	47.79805 AU
direct	-7262 Nov 03 j 21:20	27°♐17'05	
conjunction	-7261 Feb 11 j 00:46	28°♐44'50	-16°37'00
minimum elong	-7261 Feb 11 j 00:53	28°♐44'50	16°37'29
max. Earth dist.	-7261 Feb 12 j 04:53	28°♐46'27	49.73096 AU
	-7261 Apr 16 j 02:05	0°♑	
retrograde	-7261 May 25 j 00:13	0°♑15'35	
	-7261 Jul 02 j 23:24	30°℞♐	
opposition	-7261 Aug 15 j 23:00	29°♐15'16	-17°16'30
min. Earth dist.	-7261 Aug 14 j 22:34	29°♐16'26	47.83742 AU
direct	-7261 Nov 05 j 02:00	28°♐15'42	
conjunction	-7260 Feb 12 j 07:00	29°♐43'21	-16°33'53
minimum elong	-7260 Feb 12 j 07:06	29°♐43'22	16°34'22
max. Earth dist.	-7260 Feb 13 j 08:49	29°♐44'50	49.76909 AU
	-7260 Feb 24 j 10:36	0°♑	
retrograde	-7260 May 25 j 05:28	1°♑13'57	
min. Earth dist.	-7260 Aug 15 j 04:06	0°♑14'48	47.87335 AU
opposition	-7260 Aug 16 j 03:42	0°♑13'40	-17°13'05
	-7260 Aug 28 j 03:18	30°℞♐	
direct	-7260 Nov 05 j 07:14	29°♐14'07	
	-7259 Jan 12 j 00:23	0°♑	
conjunction	-7259 Feb 12 j 13:16	0°♑41'40	-16°30'30
minimum elong	-7259 Feb 12 j 13:24	0°♑41'41	16°30'59
max. Earth dist.	-7259 Feb 13 j 14:44	0°♑43'08	49.80393 AU
retrograde	-7259 May 26 j 06:57	2°♑12'07	
min. Earth dist.	-7259 Aug 16 j 10:38	1°♑12'56	47.90610 AU
opposition	-7259 Aug 17 j 08:33	1°♑11'53	-17°09'23
direct	-7259 Nov 06 j 16:09	0°♑12'22	

Attention, astronomical year style is used: The year -7258 in astronomical counting style is the year 7259 BCE in historical counting style.

conjunction	-7258 Feb 13 j 19:16	1°♑39'49	-16°26'49
minimum elong	-7258 Feb 13 j 19:22	1°♑39'50	16°27'18
max. Earth dist.	-7258 Feb 14 j 19:29	1°♑41'13	49.83595 AU
retrograde	-7258 May 27 j 12:00	3°♑10'08	
opposition	-7258 Aug 18 j 13:14	2°♑09'58	-17°05'24
min. Earth dist.	-7258 Aug 17 j 15:21	2°♑11'01	47.93597 AU
direct	-7258 Nov 07 j 22:04	1°♑10'28	
conjunction	-7257 Feb 15 j 01:23	2°♑37'51	-16°22'53
minimum elong	-7257 Feb 15 j 01:31	2°♑37'52	16°23'22
max. Earth dist.	-7257 Feb 16 j 00:06	2°♑39'09	49.86500 AU
retrograde	-7257 May 28 j 19:46	4°♑08'04	
opposition	-7257 Aug 19 j 17:55	3°♑07'57	-17°01'08
min. Earth dist.	-7257 Aug 18 j 21:56	3°♑08'55	47.96288 AU
direct	-7257 Nov 09 j 00:48	2°♑08'30	
conjunction	-7256 Feb 16 j 07:39	3°♑35'49	-16°18'39
minimum elong	-7256 Feb 16 j 07:46	3°♑35'50	16°19'08
max. Earth dist.	-7256 Feb 17 j 06:02	3°♑37'06	49.89106 AU
retrograde	-7256 May 29 j 01:32	5°♑05'55	
opposition	-7256 Aug 19 j 22:33	4°♑05'53	-16°56'35
min. Earth dist.	-7256 Aug 19 j 03:19	4°♑06'48	47.98639 AU
direct	-7256 Nov 09 j 05:48	3°♑06'28	
conjunction	-7255 Feb 16 j 13:36	4°♑33'46	-16°14'10
minimum elong	-7255 Feb 16 j 13:45	4°♑33'46	16°14'41
max. Earth dist.	-7255 Feb 17 j 09:38	4°♑34'54	49.91353 AU
retrograde	-7255 May 30 j 07:35	6°♑03'46	
min. Earth dist.	-7255 Aug 20 j 09:00	5°♑04'40	48.00611 AU
opposition	-7255 Aug 21 j 03:09	5°♑03'49	-16°51'46
direct	-7255 Nov 10 j 10:07	4°♑04'25	
conjunction	-7254 Feb 17 j 19:49	5°♑31'42	-16°09'26
minimum elong	-7254 Feb 17 j 19:57	5°♑31'43	16°09'56
max. Earth dist.	-7254 Feb 18 j 15:12	5°♑32'48	49.93180 AU
retrograde	-7254 May 31 j 11:16	7°♑01'37	
opposition	-7254 Aug 22 j 07:46	6°♑01'44	-16°46'43
min. Earth dist.	-7254 Aug 21 j 15:50	6°♑02'30	48.02122 AU
direct	-7254 Nov 11 j 16:56	5°♑02'23	
conjunction	-7253 Feb 19 j 02:02	6°♑29'38	-16°04'28
minimum elong	-7253 Feb 19 j 02:10	6°♑29'38	16°04'58
max. Earth dist.	-7253 Feb 19 j 19:28	6°♑30'38	49.94529 AU
retrograde	-7253 Jun 01 j 16:00	7°♑59'29	
opposition	-7253 Aug 23 j 12:20	6°♑59'39	-16°41'25
min. Earth dist.	-7253 Aug 22 j 21:01	7°♑00'23	48.03114 AU
direct	-7253 Nov 12 j 22:56	6°♑00'19	
conjunction	-7252 Feb 20 j 08:14	7°♑27'32	-15°59'16
minimum elong	-7252 Feb 20 j 08:24	7°♑27'33	15°59'45
max. Earth dist.	-7252 Feb 20 j 23:23	7°♑28'24	49.95327 AU
retrograde	-7252 Jun 01 j 23:25	8°♑57'19	
opposition	-7252 Aug 23 j 16:57	7°♑57'32	-16°35'53
min. Earth dist.	-7252 Aug 23 j 04:01	7°♑58'09	48.03553 AU
direct	-7252 Nov 13 j 02:27	6°♑58'12	
conjunction	-7251 Feb 20 j 14:30	8°♑25'23	-15°53'51
minimum elong	-7251 Feb 20 j 14:38	8°♑25'24	15°54'21
max. Earth dist.	-7251 Feb 21 j 04:52	8°♑26'12	49.95587 AU
retrograde	-7251 Jun 03 j 05:46	9°♑55'04	
opposition	-7251 Aug 24 j 21:29	8°♑55'19	-16°30'08
min. Earth dist.	-7251 Aug 24 j 09:41	8°♑55'53	48.03446 AU
direct	-7251 Nov 14 j 06:25	7°♑55'59	
conjunction	-7250 Feb 21 j 20:22	9°♑23'09	-15°48'12
minimum elong	-7250 Feb 21 j 20:32	9°♑23'09	15°48'41
max. Earth dist.	-7250 Feb 22 j 08:08	9°♑23'49	49.95328 AU
retrograde	-7250 Jun 04 j 12:07	10°♑52'44	
opposition	-7250 Aug 26 j 01:59	9°♑53'00	-16°24'08
min. Earth dist.	-7250 Aug 25 j 15:24	9°♑53'31	48.02852 AU
direct	-7250 Nov 15 j 10:28	8°♑53'39	
conjunction	-7249 Feb 23 j 02:31	10°♑20'47	-15°42'18
minimum elong	-7249 Feb 23 j 02:40	10°♑20'48	15°42'47
max. Earth dist.	-7249 Feb 23 j 13:32	10°♑21'25	49.94596 AU
retrograde	-7249 Jun 05 j 13:34	11°♑50'18	
opposition	-7249 Aug 27 j 06:22	10°♑50'35	-16°17'53
min. Earth dist.	-7249 Aug 26 j 21:48	10°♑50'59	48.01808 AU
direct	-7249 Nov 16 j 18:49	9°♑51'13	
conjunction	-7248 Feb 24 j 08:34	11°♑18'20	-15°36'09
minimum elong	-7248 Feb 24 j 08:44	11°♑18'20	15°36'39
max. Earth dist.	-7248 Feb 24 j 18:03	11°♑18'52	49.93465 AU
retrograde	-7248 Jun 05 j 17:39	12°♑47'46	
opposition	-7248 Aug 27 j 10:42	11°♑48'04	-16°11'22
min. Earth dist.	-7248 Aug 27 j 02:23	11°♑48'28	48.00387 AU
direct	-7248 Nov 17 j 01:08	10°♑48'41	
conjunction	-7247 Feb 24 j 14:21	12°♑15'47	-15°29'46
minimum elong	-7247 Feb 24 j 14:30	12°♑15'47	15°30'15
max. Earth dist.	-7247 Feb 24 j 22:13	12°♑16'14	49.91967 AU
retrograde	-7247 Jun 07 j 01:07	13°♑45'10	
opposition	-7247 Aug 28 j 15:10	12°♑45'29	-16°04'36
min. Earth dist.	-7247 Aug 28 j 08:44	12°♑45'48	47.98633 AU
direct	-7247 Nov 18 j 03:40	11°♑46'05	
conjunction	-7246 Feb 25 j 20:19	13°♑13'11	-15°23'06
minimum elong	-7246 Feb 25 j 20:30	13°♑13'12	15°23'36
max. Earth dist.	-7246 Feb 26 j 03:57	13°♑13'37	49.90169 AU
retrograde	-7246 Jun 08 j 06:30	14°♑42'32	
opposition	-7246 Aug 29 j 19:24	13°♑42'53	-15°57'33
min. Earth dist.	-7246 Aug 29 j 13:28	13°♑43'10	47.96572 AU
direct	-7246 Nov 19 j 08:11	12°♑43'28	
conjunction	-7245 Feb 27 j 02:09	14°♑10'36	-15°16'11
minimum elong	-7245 Feb 27 j 02:19	14°♑10'36	15°16'40
max. Earth dist.	-7245 Feb 27 j 07:32	14°♑10'54	49.88079 AU
retrograde	-7245 Jun 09 j 13:03	15°♑39'54	
opposition	-7245 Aug 30 j 23:46	14°♑40'17	-15°50'13
min. Earth dist.	-7245 Aug 30 j 18:47	14°♑40'31	47.94220 AU
direct	-7245 Nov 20 j 11:38	13°♑40'52	
conjunction	-7244 Feb 28 j 08:12	15°♑08'02	-15°08'59
minimum elong	-7244 Feb 28 j 08:23	15°♑08'03	15°09'29
max. Earth dist.	-7244 Feb 28 j 13:14	15°♑08'19	49.85676 AU
retrograde	-7244 Jun 09 j 16:10	16°♑37'19	
opposition	-7244 Aug 31 j 04:05	15°♑37'44	-15°42'38
min. Earth dist.	-7244 Aug 31 j 00:56	15°♑37'53	47.91535 AU
direct	-7244 Nov 20 j 18:34	14°♑38'20	
conjunction	-7243 Feb 28 j 14:08	16°♑05'33	-15°01'33
minimum elong	-7243 Feb 28 j 14:19	16°♑05'33	15°02'02
max. Earth dist.	-7243 Feb 28 j 17:35	16°♑05'44	49.82945 AU
retrograde	-7243 Jun 10 j 19:55	17°♑34'49	
opposition	-7243 Sep 01 j 08:21	16°♑35'17	-15°34'47
min. Earth dist.	-7243 Sep 01 j 05:27	16°♑35'25	47.88489 AU
direct	-7243 Nov 22 j 00:36	15°♑35'52	
evening set	-7242 Feb 28 j 00:20	17°♑00'40	
conjunction	-7242 Mar 01 j 20:01	17°♑03'08	-14°53'51
minimum elong	-7242 Mar 01 j 20:12	17°♑03'09	14°54'21
max. Earth dist.	-7242 Mar 01 j 21:35	17°♑03'14	49.79805 AU
morning rise	-7242 Mar 03 j 16:07	17°♑05'39	
retrograde	-7242 Jun 12 j 02:28	18°♑32'26	

Attention, astronomical year style is used: The year -7242 in astronomical counting style is the year 7243 BCE in historical counting style.

opposition	-7242 Sep 02 j 12:48	17°♑32'55	-15°26'41
min. Earth dist.	-7242 Sep 02 j 12:16	17°♑32'57	47.85007 AU
direct	-7242 Nov 23 j 04:44	16°♑33'30	
evening set	-7241 Feb 28 j 06:35	17°♑56'59	
conjunction	-7241 Mar 03 j 02:16	18°♑00'49	-14°45'56
minimum elong	-7241 Mar 03 j 02:27	18°♑00'50	14°46'24
max. Earth dist.	-7241 Mar 03 j 03:07	18°♑00'52	49.76204 AU
morning rise	-7241 Mar 05 j 22:22	18°♑04'41	
retrograde	-7241 Jun 13 j 09:48	19°♑30'07	
opposition	-7241 Sep 03 j 17:05	18°♑30'37	-15°18'22
min. Earth dist.	-7241 Sep 03 j 17:36	18°♑30'36	47.81019 AU
direct	-7241 Nov 24 j 07:46	17°♑31'11	
evening set	-7240 Feb 28 j 19:00	18°♑53'43	
conjunction	-7240 Mar 03 j 08:24	18°♑58'33	-14°37'47
minimum elong	-7240 Mar 03 j 08:35	18°♑58'34	14°38'16
max. Earth dist.	-7240 Mar 03 j 06:21	18°♑58'26	49.72081 AU
morning rise	-7240 Mar 06 j 22:16	19°♑03'25	
retrograde	-7240 Jun 13 j 17:38	20°♑27'50	
opposition	-7240 Sep 03 j 21:33	19°♑28'20	-15°09'48
min. Earth dist.	-7240 Sep 03 j 23:33	19°♑28'14	47.76507 AU
direct	-7240 Nov 24 j 10:29	18°♑28'51	
evening set	-7239 Feb 28 j 10:08	19°♑50'35	
conjunction	-7239 Mar 04 j 14:30	19°♑56'17	-14°29'25
minimum elong	-7239 Mar 04 j 14:42	19°♑56'17	14°29'53
max. Earth dist.	-7239 Mar 04 j 11:33	19°♑56'07	49.67424 AU
morning rise	-7239 Mar 08 j 19:21	20°♑01'59	
retrograde	-7239 Jun 14 j 19:59	21°♑25'32	
opposition	-7239 Sep 05 j 02:02	20°♑26'01	-15°01'00
min. Earth dist.	-7239 Sep 05 j 06:02	20°♑25'50	47.71459 AU
direct	-7239 Nov 25 j 18:01	19°♑26'29	
evening set	-7238 Mar 01 j 03:07	20°♑47'30	
conjunction	-7238 Mar 05 j 20:36	20°♑53'57	-14°20'48
minimum elong	-7238 Mar 05 j 20:47	20°♑53'58	14°21'17
max. Earth dist.	-7238 Mar 05 j 15:49	20°♑53'41	49.62272 AU
morning rise	-7238 Mar 10 j 14:34	21°♑00'25	
retrograde	-7238 Jun 15 j 22:44	22°♑23'11	
opposition	-7238 Sep 06 j 06:15	21°♑23'39	-14°51'58
min. Earth dist.	-7238 Sep 06 j 10:51	21°♑23'26	47.65936 AU
direct	-7238 Nov 27 j 01:25	20°♑24'02	
evening set	-7237 Mar 01 j 21:12	21°♑44'26	
conjunction	-7237 Mar 07 j 02:43	21°♑51'33	-14°11'58
minimum elong	-7237 Mar 07 j 02:56	21°♑51'34	14°12'26
max. Earth dist.	-7237 Mar 06 j 20:01	21°♑51'10	49.56654 AU
morning rise	-7237 Mar 12 j 08:50	21°♑58'42	
retrograde	-7237 Jun 17 j 04:46	23°♑20'47	
opposition	-7237 Sep 07 j 10:42	22°♑21'13	-14°42'41
min. Earth dist.	-7237 Sep 07 j 17:29	22°♑20'53	47.59981 AU
direct	-7237 Nov 28 j 05:52	21°♑21'32	
evening set	-7236 Mar 01 j 16:15	22°♑41'21	
conjunction	-7236 Mar 07 j 08:54	22°♑49'06	-14°02'53
minimum elong	-7236 Mar 07 j 09:05	22°♑49'06	14°03'21
max. Earth dist.	-7236 Mar 07 j 01:42	22°♑48'41	49.50639 AU
morning rise	-7236 Mar 13 j 02:02	22°♑56'53	
retrograde	-7236 Jun 17 j 09:55	24°♑18'20	
opposition	-7236 Sep 07 j 14:58	23°♑18'43	-14°33'09
min. Earth dist.	-7236 Sep 07 j 22:18	23°♑18'22	47.53647 AU
direct	-7236 Nov 28 j 10:38	22°♑18'58	
evening set	-7235 Mar 02 j 11:52	23°♑38'16	
conjunction	-7235 Mar 08 j 14:53	23°♑46'36	-13°53'32
minimum elong	-7235 Mar 08 j 15:06	23°♑46'37	13°54'00
max. Earth dist.	-7235 Mar 08 j 05:29	23°♑46'04	49.44283 AU
morning rise	-7235 Mar 14 j 18:34	23°♑54'59	
retrograde	-7235 Jun 18 j 17:19	25°♑15'51	
opposition	-7235 Sep 08 j 19:22	24°♑16'13	-14°23'20
min. Earth dist.	-7235 Sep 09 j 03:45	24°♑15'49	47.47007 AU
direct	-7235 Nov 29 j 13:30	23°♑16'24	
evening set	-7234 Mar 03 j 07:51	24°♑35'12	
conjunction	-7234 Mar 09 j 20:55	24°♑44'07	-13°43'56
minimum elong	-7234 Mar 09 j 21:06	24°♑44'08	13°44'23
max. Earth dist.	-7234 Mar 09 j 11:15	24°♑43'34	49.37628 AU
morning rise	-7234 Mar 16 j 10:31	24°♑53'04	
retrograde	-7234 Jun 19 j 21:05	26°♑13'24	
opposition	-7234 Sep 09 j 23:52	25°♑13'45	-14°13'15
min. Earth dist.	-7234 Sep 10 j 09:45	25°♑13'16	47.40071 AU
direct	-7234 Nov 30 j 20:10	24°♑13'53	
evening set	-7233 Mar 04 j 04:39	25°♑32'15	
conjunction	-7233 Mar 11 j 03:03	25°♑41'43	-13°34'04
minimum elong	-7233 Mar 11 j 03:16	25°♑41'43	13°34'31
max. Earth dist.	-7233 Mar 10 j 15:56	25°♑41'05	49.30707 AU
morning rise	-7233 Mar 18 j 02:04	25°♑51'11	
retrograde	-7233 Jun 21 j 01:09	27°♑11'02	
opposition	-7233 Sep 11 j 04:10	26°♑11'23	-14°02'53
min. Earth dist.	-7233 Sep 11 j 14:08	26°♑10'54	47.32865 AU
direct	-7233 Dec 02 j 02:05	25°♑11'28	
evening set	-7232 Mar 04 j 01:42	26°♑29'28	
conjunction	-7232 Mar 11 j 09:15	26°♑39'26	-13°23'56
minimum elong	-7232 Mar 11 j 09:27	26°♑39'27	13°24'23
max. Earth dist.	-7232 Mar 10 j 20:34	26°♑38'43	49.23495 AU
morning rise	-7232 Mar 18 j 17:26	26°♑49'27	
retrograde	-7232 Jun 21 j 07:03	28°♑08'51	
opposition	-7232 Sep 11 j 08:47	27°♑09'12	-13°52'16
min. Earth dist.	-7232 Sep 11 j 20:45	27°♑08'37	47.25364 AU
direct	-7232 Dec 02 j 06:40	26°♑09'15	
evening set	-7231 Mar 04 j 23:08	27°♑26'53	
conjunction	-7231 Mar 12 j 15:25	27°♑37'21	-13°13'32
minimum elong	-7231 Mar 12 j 15:38	27°♑37'22	13°14'00
max. Earth dist.	-7231 Mar 12 j 02:29	27°♑36'37	49.15979 AU
morning rise	-7231 Mar 20 j 08:12	27°♑47'53	
retrograde	-7231 Jun 22 j 14:09	29°♑06'52	
opposition	-7231 Sep 12 j 13:16	28°♑07'13	-13°41'22
min. Earth dist.	-7231 Sep 13 j 01:51	28°♑06'37	47.17515 AU
direct	-7231 Dec 03 j 10:05	27°♑07'15	
evening set	-7230 Mar 05 j 21:04	28°♑24'33	
conjunction	-7230 Mar 13 j 21:40	28°♑35'31	-13°02'53
minimum elong	-7230 Mar 13 j 21:53	28°♑35'32	13°03'20
max. Earth dist.	-7230 Mar 13 j 06:11	28°♑34'38	49.08089 AU
morning rise	-7230 Mar 21 j 22:58	28°♑46'31	
	-7230 Jun 01 j 22:19	0°♒	
retrograde	-7230 Jun 23 j 23:10	0°♒05'08	
	-7230 Jul 15 j 18:13	30°℞♑	
opposition	-7230 Sep 13 j 17:46	29°♑05'30	-13°30'12
min. Earth dist.	-7230 Sep 14 j 07:47	29°♑04'49	47.09271 AU
direct	-7230 Dec 04 j 11:56	28°♑05'29	
evening set	-7229 Mar 06 j 19:25	29°♑22'29	
max. Earth dist.	-7229 Mar 14 j 11:57	29°♑33'00	48.99751 AU
conjunction	-7229 Mar 15 j 04:16	29°♑33'56	-12°52'00
minimum elong	-7229 Mar 15 j 04:29	29°♑33'56	12°52'28
morning rise	-7229 Mar 23 j 13:40	29°♑45'24	
	-7229 Apr 03 j 10:59	0°♒	
retrograde	-7229 Jun 25 j 03:36	1°♒03'39	
opposition	-7229 Sep 14 j 22:32	0°♒04'00	-13°18'48

Attention, astronomical year style is used: The year -7229 in astronomical counting style is the year 7230 BCE in historical counting style.

min. Earth dist.	-7229 Sep 15 j 14:34	0°♒03'14	47.00536 AU
	-7229 Sep 18 j 09:47	30°♑℞	
direct	-7229 Dec 05 j 18:20	29°♑03'56	
	-7228 Feb 20 j 04:20	0°♒	
evening set	-7228 Mar 06 j 18:14	0°♒20'39	
conjunction	-7228 Mar 15 j 10:49	0°♒32'33	-12°40'53
minimum elong	-7228 Mar 15 j 11:02	0°♒32'34	12°41'19
max. Earth dist.	-7228 Mar 14 j 16:31	0°♒31'30	48.90918 AU
morning rise	-7228 Mar 24 j 04:01	0°♒44'29	
retrograde	-7228 Jun 25 j 06:47	2°♒02'22	
opposition	-7228 Sep 15 j 03:11	1°♒02'42	-13°07'10
min. Earth dist.	-7228 Sep 15 j 19:53	1°♒01'54	46.91289 AU
direct	-7228 Dec 06 j 02:18	0°♒02'34	
evening set	-7227 Mar 07 j 17:09	1°♒19'00	
conjunction	-7227 Mar 16 j 17:26	1°♒31'21	-12°29'31
minimum elong	-7227 Mar 16 j 17:38	1°♒31'21	12°29'58
max. Earth dist.	-7227 Mar 15 j 20:56	1°♒30'10	48.81554 AU
morning rise	-7227 Mar 25 j 18:20	1°♒43'44	
retrograde	-7227 Jun 26 j 12:37	3°♒01'16	
opposition	-7227 Sep 16 j 08:05	2°♒01'33	-12°55'17
min. Earth dist.	-7227 Sep 17 j 03:11	2°♒00'38	46.81523 AU
direct	-7227 Dec 07 j 07:38	1°♒01'21	
evening set	-7226 Mar 08 j 16:21	2°♒17'30	
max. Earth dist.	-7226 Mar 17 j 02:50	2°♒29'03	48.71696 AU
conjunction	-7226 Mar 18 j 00:03	2°♒30'16	-12°17'55
minimum elong	-7226 Mar 18 j 00:17	2°♒30'17	12°18'21
morning rise	-7226 Mar 27 j 08:14	2°♒43'05	
retrograde	-7226 Jun 27 j 18:42	4°♒00'18	
opposition	-7226 Sep 17 j 12:52	3°♒00'32	-12°43'09
min. Earth dist.	-7226 Sep 18 j 08:41	2°♒59'34	46.71260 AU
direct	-7226 Dec 08 j 12:20	2°♒00'13	
evening set	-7225 Mar 09 j 15:55	3°♒16'05	
max. Earth dist.	-7225 Mar 18 j 06:54	3°♒27'55	48.61363 AU
conjunction	-7225 Mar 19 j 06:44	3°♒29'17	-12°06'05
minimum elong	-7225 Mar 19 j 06:56	3°♒29'18	12°06'31
morning rise	-7225 Mar 28 j 22:13	3°♒42'33	
retrograde	-7225 Jun 29 j 03:18	4°♒59'25	
opposition	-7225 Sep 18 j 17:39	3°♒59'35	-12°30'45
min. Earth dist.	-7225 Sep 19 j 15:03	3°♒58'33	46.60566 AU
direct	-7225 Dec 09 j 15:20	2°♒59'09	
evening set	-7224 Mar 09 j 15:38	4°♒14'46	
conjunction	-7224 Mar 19 j 13:35	4°♒28'24	-11°54'00
minimum elong	-7224 Mar 19 j 13:48	4°♒28'25	11°54'26
max. Earth dist.	-7224 Mar 18 j 13:14	4°♒27'00	48.50614 AU
morning rise	-7224 Mar 29 j 11:58	4°♒42'04	
retrograde	-7224 Jun 29 j 08:31	5°♒58'37	
opposition	-7224 Sep 18 j 22:38	4°♒58'42	-12°18'06
min. Earth dist.	-7224 Sep 19 j 21:37	4°♒57'36	46.49477 AU
direct	-7224 Dec 09 j 22:04	3°♒58'11	
evening set	-7223 Mar 10 j 15:30	5°♒13'34	
conjunction	-7223 Mar 20 j 20:08	5°♒27'36	-11°41'39
minimum elong	-7223 Mar 20 j 20:20	5°♒27'37	11°42'04
max. Earth dist.	-7223 Mar 19 j 18:13	5°♒26'06	48.39516 AU
morning rise	-7223 Mar 31 j 01:19	5°♒41'40	
retrograde	-7223 Jun 30 j 13:20	6°♒57'56	
opposition	-7223 Sep 20 j 03:34	5°♒57'57	-12°05'10
min. Earth dist.	-7223 Sep 21 j 02:42	5°♒56'49	46.38066 AU
direct	-7223 Dec 11 j 04:48	4°♒57'18	
evening set	-7222 Mar 11 j 15:36	6°♒12'29	
max. Earth dist.	-7222 Mar 20 j 23:34	6°♒25'20	48.28100 AU
conjunction	-7222 Mar 22 j 02:56	6°♒26'55	-11°29'02
minimum elong	-7222 Mar 22 j 03:10	6°♒26'55	11°29'28
morning rise	-7222 Apr 01 j 14:51	6°♒41'23	
retrograde	-7222 Jul 01 j 17:44	7°♒57'23	
opposition	-7222 Sep 21 j 08:37	6°♒57'19	-11°51'57
min. Earth dist.	-7222 Sep 22 j 09:46	6°♒56'06	46.26360 AU
direct	-7222 Dec 12 j 11:25	5°♒56'34	
evening set	-7221 Mar 12 j 16:04	7°♒11'33	
max. Earth dist.	-7221 Mar 22 j 06:16	7°♒24'46	48.16412 AU
conjunction	-7221 Mar 23 j 09:57	7°♒26'23	-11°16'09
minimum elong	-7221 Mar 23 j 10:10	7°♒26'23	11°16'34
morning rise	-7221 Apr 03 j 04:11	7°♒41'15	
retrograde	-7221 Jul 02 j 23:50	8°♒57'00	
opposition	-7221 Sep 22 j 13:44	7°♒56'53	-11°38'27
min. Earth dist.	-7221 Sep 23 j 15:09	7°♒55'38	46.14369 AU
direct	-7221 Dec 13 j 17:04	6°♒56'02	
evening set	-7220 Mar 12 j 16:45	8°♒10'50	
max. Earth dist.	-7220 Mar 22 j 10:52	8°♒24'19	48.04435 AU
conjunction	-7220 Mar 23 j 16:51	8°♒26'03	-11°02'59
minimum elong	-7220 Mar 23 j 17:05	8°♒26'04	11°03'25
morning rise	-7220 Apr 03 j 17:33	8°♒41'19	
retrograde	-7220 Jul 03 j 09:42	9°♒56'51	
opposition	-7220 Sep 22 j 18:57	8°♒56'40	-11°24'41
min. Earth dist.	-7220 Sep 23 j 21:38	8°♒55'22	46.02094 AU
direct	-7220 Dec 13 j 18:55	7°♒55'43	
evening set	-7219 Mar 13 j 17:35	9°♒10'23	
max. Earth dist.	-7219 Mar 23 j 17:42	9°♒24'14	47.92151 AU
conjunction	-7219 Mar 25 j 00:02	9°♒26'00	-10°49'34
minimum elong	-7219 Mar 25 j 00:15	9°♒26'01	10°49'58
morning rise	-7219 Apr 05 j 06:45	9°♒41'39	
retrograde	-7219 Jul 04 j 16:21	10°♒56'59	
opposition	-7219 Sep 24 j 00:18	9°♒56'44	-11°10'37
min. Earth dist.	-7219 Sep 25 j 04:30	9°♒55'22	45.89480 AU
direct	-7219 Dec 15 j 00:26	8°♒55'42	
evening set	-7218 Mar 14 j 18:47	10°♒10'15	
max. Earth dist.	-7218 Mar 24 j 23:06	10°♒24'23	47.79514 AU
conjunction	-7218 Mar 26 j 07:10	10°♒26'14	-10°35'52
minimum elong	-7218 Mar 26 j 07:23	10°♒26'15	10°36'17
morning rise	-7218 Apr 06 j 19:58	10°♒42'16	
retrograde	-7218 Jul 05 j 21:49	11°♒57'25	
opposition	-7218 Sep 25 j 05:40	10°♒57'07	-10°56'17
min. Earth dist.	-7218 Sep 26 j 10:31	10°♒55'43	45.76474 AU
direct	-7218 Dec 16 j 07:55	9°♒55'59	
evening set	-7217 Mar 15 j 20:20	11°♒10'26	
max. Earth dist.	-7217 Mar 26 j 04:36	11°♒24'49	47.66425 AU
conjunction	-7217 Mar 27 j 14:39	11°♒26'48	-10°21'55
minimum elong	-7217 Mar 27 j 14:52	11°♒26'49	10°22'18
morning rise	-7217 Apr 08 j 09:20	11°♒43'12	
retrograde	-7217 Jul 07 j 03:19	12°♒58'11	
opposition	-7217 Sep 26 j 11:15	11°♒57'50	-10°41'40
min. Earth dist.	-7217 Sep 27 j 18:31	11°♒56'18	45.62997 AU
direct	-7217 Dec 17 j 15:01	10°♒56'35	
evening set	-7216 Mar 15 j 22:12	12°♒10'56	
max. Earth dist.	-7216 Mar 26 j 11:21	12°♒25'37	47.52853 AU
conjunction	-7216 Mar 27 j 22:18	12°♒27'40	-10°07'42
minimum elong	-7216 Mar 27 j 22:30	12°♒27'41	10°08'06
morning rise	-7216 Apr 08 j 22:31	12°♒44'26	
retrograde	-7216 Jul 07 j 09:43	13°♒59'16	
opposition	-7216 Sep 26 j 16:58	12°♒58'50	-10°26'49
min. Earth dist.	-7216 Sep 28 j 00:55	12°♒57'16	45.49006 AU
direct	-7216 Dec 17 j 21:10	11°♒57'28	

Attention, astronomical year style is used: The year -7215 in astronomical counting style is the year 7216 BCE in historical counting style.

evening set	-7215 Mar 17 j 00:11	13°♒11'43	
max. Earth dist.	-7215 Mar 27 j 16:06	13°♒26'36	47.38759 AU
conjunction	-7215 Mar 29 j 05:44	13°♒28'49	-9°53'15
minimum elong	-7215 Mar 29 j 05:57	13°♒28'49	9°53'38
morning rise	-7215 Apr 10 j 11:39	13°♒45'56	
	-7215 Jul 01 j 08:19	15°♒	
retrograde	-7215 Jul 08 j 18:57	15°♒00'38	
	-7215 Jul 16 j 05:20	15°℞♒	
opposition	-7215 Sep 27 j 22:50	14°♒00'06	-10°11'41
min. Earth dist.	-7215 Sep 29 j 08:37	13°♒58'26	45.34508 AU
direct	-7215 Dec 19 j 01:05	12°♒58'35	
evening set	-7214 Mar 18 j 02:25	14°♒12'45	
max. Earth dist.	-7214 Mar 28 j 23:10	14°♒27'57	47.24159 AU
conjunction	-7214 Mar 30 j 13:35	14°♒30'13	-9°38'32
minimum elong	-7214 Mar 30 j 13:48	14°♒30'13	9°38'56
morning rise	-7214 Apr 12 j 00:45	14°♒47'42	
	-7214 Apr 21 j 01:20	15°♒	
retrograde	-7214 Jul 10 j 02:15	16°♒02'14	
opposition	-7214 Sep 29 j 04:38	15°♒01'36	-9°56'17
	-7214 Sep 30 j 13:00	15°℞♒	
min. Earth dist.	-7214 Sep 30 j 16:06	14°♒59'51	45.19513 AU
direct	-7214 Dec 20 j 07:44	13°♒59'56	
	-7213 Mar 08 j 21:11	15°♒	
evening set	-7213 Mar 19 j 05:07	15°♒14'02	
max. Earth dist.	-7213 Mar 30 j 05:00	15°♒29'28	47.09102 AU
conjunction	-7213 Mar 31 j 21:27	15°♒31'51	-9°23'34
minimum elong	-7213 Mar 31 j 21:39	15°♒31'52	9°23'56
morning rise	-7213 Apr 13 j 13:57	15°♒49'41	
retrograde	-7213 Jul 11 j 09:43	17°♒04'05	
opposition	-7213 Sep 30 j 10:33	16°♒03'20	-9°40'36
min. Earth dist.	-7213 Oct 01 j 22:35	16°♒01'33	45.04089 AU
direct	-7213 Dec 21 j 14:55	15°♒01'30	
evening set	-7212 Mar 19 j 07:50	16°♒15'34	
max. Earth dist.	-7212 Mar 30 j 11:23	16°♒31'15	46.93621 AU
conjunction	-7212 Apr 01 j 05:22	16°♒33'44	-9°08'19
minimum elong	-7212 Apr 01 j 05:34	16°♒33'44	9°08'42
morning rise	-7212 Apr 14 j 02:56	16°♒51'54	
retrograde	-7212 Jul 11 j 14:46	18°♒06'12	
opposition	-7212 Sep 30 j 16:40	17°♒05'19	-9°24'38
min. Earth dist.	-7212 Oct 02 j 06:52	17°♒03'25	44.88286 AU
direct	-7212 Dec 21 j 22:51	16°♒03'19	
evening set	-7211 Mar 20 j 10:49	17°♒17'21	
max. Earth dist.	-7211 Mar 31 j 19:00	17°♒33'20	46.77807 AU
conjunction	-7211 Apr 02 j 13:23	17°♒35'51	-8°52'48
minimum elong	-7211 Apr 02 j 13:36	17°♒35'52	8°53'10
morning rise	-7211 Apr 15 j 15:49	17°♒54'22	
retrograde	-7211 Jul 12 j 20:36	19°♒08'34	
opposition	-7211 Oct 01 j 22:45	18°♒07'34	-9°08'22
min. Earth dist.	-7211 Oct 03 j 13:06	18°♒05'40	44.72172 AU
direct	-7211 Dec 23 j 06:23	17°♒05'24	
evening set	-7210 Mar 21 j 14:02	18°♒19'25	
max. Earth dist.	-7210 Apr 02 j 00:44	18°♒35'36	46.61702 AU
conjunction	-7210 Apr 03 j 21:23	18°♒38'15	-8°37'00
minimum elong	-7210 Apr 03 j 21:34	18°♒38'16	8°37'21
morning rise	-7210 Apr 17 j 04:47	18°♒57'06	
retrograde	-7210 Jul 14 j 07:14	20°♒11'15	
opposition	-7210 Oct 03 j 05:06	19°♒10'07	-8°51'48
min. Earth dist.	-7210 Oct 04 j 20:50	19°♒08'09	44.55797 AU
direct	-7210 Dec 24 j 09:23	18°♒07'48	
evening set	-7209 Mar 22 j 17:32	19°♒21'50	
max. Earth dist.	-7209 Apr 03 j 09:04	19°♒38'21	46.45339 AU
conjunction	-7209 Apr 05 j 05:46	19°♒41'00	-8°20'55
minimum elong	-7209 Apr 05 j 05:59	19°♒41'01	8°21'16
morning rise	-7209 Apr 18 j 17:40	20°♒00'11	
retrograde	-7209 Jul 15 j 15:36	21°♒14'18	
opposition	-7209 Oct 04 j 11:33	20°♒13'03	-8°34'56
min. Earth dist.	-7209 Oct 06 j 04:18	20°♒11'01	44.39169 AU
direct	-7209 Dec 25 j 15:07	19°♒10'34	
evening set	-7208 Mar 22 j 21:28	20°♒24'38	
max. Earth dist.	-7208 Apr 03 j 15:50	20°♒41'23	46.28748 AU
conjunction	-7208 Apr 05 j 14:09	20°♒44'09	-8°04'32
minimum elong	-7208 Apr 05 j 14:20	20°♒44'09	8°04'53
morning rise	-7208 Apr 19 j 06:40	21°♒03'39	
retrograde	-7208 Jul 15 j 23:53	22°♒17'44	
opposition	-7208 Oct 04 j 18:08	21°♒16'23	-8°17'46
min. Earth dist.	-7208 Oct 06 j 11:13	21°♒14'20	44.22313 AU
direct	-7208 Dec 25 j 22:32	20°♒13'46	
evening set	-7207 Mar 24 j 01:23	21°♒27'54	
max. Earth dist.	-7207 Apr 04 j 23:05	21°♒44'53	46.11893 AU
conjunction	-7207 Apr 06 j 22:36	21°♒47'44	-7°47'52
minimum elong	-7207 Apr 06 j 22:47	21°♒47'45	7°48'13
morning rise	-7207 Apr 20 j 19:27	22°♒07'34	
retrograde	-7207 Jul 17 j 06:01	23°♒21'39	
opposition	-7207 Oct 06 j 01:00	22°♒20'11	-8°00'17
min. Earth dist.	-7207 Oct 07 j 20:01	22°♒18'02	44.05179 AU
direct	-7207 Dec 27 j 07:50	21°♒17'26	
evening set	-7206 Mar 25 j 05:53	22°♒31'39	
max. Earth dist.	-7206 Apr 06 j 07:21	22°♒48'55	45.94746 AU
conjunction	-7206 Apr 08 j 07:25	22°♒51'49	-7°30'55
minimum elong	-7206 Apr 08 j 07:36	22°♒51'49	7°31'15
morning rise	-7206 Apr 22 j 08:27	23°♒11'58	
retrograde	-7206 Jul 18 j 12:31	24°♒26'04	
opposition	-7206 Oct 07 j 07:46	23°♒24'31	-7°42'30
min. Earth dist.	-7206 Oct 09 j 03:09	23°♒22'20	43.87711 AU
direct	-7206 Dec 28 j 16:19	22°♒21'35	
evening set	-7205 Mar 26 j 10:53	23°♒35'54	
max. Earth dist.	-7205 Apr 07 j 13:54	23°♒53'20	45.77218 AU
conjunction	-7205 Apr 09 j 16:27	23°♒56'23	-7°13'40
minimum elong	-7205 Apr 09 j 16:38	23°♒56'24	7°14'01
morning rise	-7205 Apr 23 j 21:41	24°♒16'52	
retrograde	-7205 Jul 19 j 22:35	25°♒31'01	
opposition	-7205 Oct 08 j 14:59	24°♒29'20	-7°24'25
min. Earth dist.	-7205 Oct 10 j 12:23	24°♒27'02	43.69848 AU
direct	-7205 Dec 29 j 21:35	23°♒26'15	
evening set	-7204 Mar 26 j 16:01	24°♒40'40	
max. Earth dist.	-7204 Apr 07 j 22:37	24°♒58'22	45.59255 AU
conjunction	-7204 Apr 10 j 01:44	25°♒01'28	-6°56'09
minimum elong	-7204 Apr 10 j 01:54	25°♒01'28	6°56'28
morning rise	-7204 Apr 24 j 10:40	25°♒22'15	
retrograde	-7204 Jul 20 j 08:27	26°♒36'27	
opposition	-7204 Oct 08 j 22:23	25°♒34'37	-7°06'03
min. Earth dist.	-7204 Oct 10 j 21:02	25°♒32'16	43.51523 AU
direct	-7204 Dec 30 j 04:10	24°♒31'21	
evening set	-7203 Mar 27 j 21:40	25°♒45'53	
max. Earth dist.	-7203 Apr 09 j 05:38	26°♒03'45	45.40840 AU
conjunction	-7203 Apr 11 j 11:04	26°♒07'00	-6°38'22
minimum elong	-7203 Apr 11 j 11:14	26°♒07'00	6°38'41
morning rise	-7203 Apr 25 j 23:55	26°♒28'05	
retrograde	-7203 Jul 21 j 20:04	27°♒42'20	
opposition	-7203 Oct 10 j 05:49	26°♒40'20	-6°47'23
min. Earth dist.	-7203 Oct 12 j 05:22	26°♒37'56	43.32752 AU
direct	-7203 Dec 31 j 10:42	25°♒36'51	

Attention, astronomical year style is used: The year -7202 in astronomical counting style is the year 7203 BCE in historical counting style.

evening set	-7202 Mar 29 j 03:28	26°♒51'32	
max. Earth dist.	-7202 Apr 10 j 13:49	27°♒09'36	45.21960 AU
conjunction	-7202 Apr 12 j 20:42	27°♒12'57	-6°20'17
minimum elong	-7202 Apr 12 j 20:52	27°♒12'57	6°20'35
morning rise	-7202 Apr 27 j 13:04	27°♒34'20	
retrograde	-7202 Jul 23 j 04:05	28°♒48'38	
opposition	-7202 Oct 11 j 13:37	27°♒46'28	-6°28'24
min. Earth dist.	-7202 Oct 13 j 15:24	27°♒43'56	43.13530 AU
direct	-7201 Jan 01 j 19:47	26°♒42'45	
evening set	-7201 Mar 30 j 09:45	27°♒57'34	
max. Earth dist.	-7201 Apr 11 j 22:42	28°♒15'51	45.02662 AU
conjunction	-7201 Apr 14 j 06:30	28°♒19'17	-6°01'55
minimum elong	-7201 Apr 14 j 06:39	28°♒19'18	6°02'14
morning rise	-7201 Apr 29 j 02:18	28°♒40'58	
retrograde	-7201 Jul 24 j 10:11	29°♒55'20	
opposition	-7201 Oct 12 j 21:21	28°♒52'59	-6°09'08
min. Earth dist.	-7201 Oct 14 j 23:28	28°♒50'25	42.93913 AU
direct	-7200 Jan 03 j 06:47	27°♒49'02	
evening set	-7200 Mar 30 j 16:22	29°♒04'00	
max. Earth dist.	-7200 Apr 12 j 06:17	29°♒22'25	44.82987 AU
conjunction	-7200 Apr 14 j 16:23	29°♒26'00	-5°43'17
minimum elong	-7200 Apr 14 j 16:33	29°♒26'01	5°43'34
morning rise	-7200 Apr 29 j 15:33	29°♒47'58	
	-7200 May 08 j 02:59	0°♓	
retrograde	-7200 Jul 24 j 19:32	1°♓02'26	
opposition	-7200 Oct 13 j 05:29	29°♒59'53	-5°49'33
	-7200 Oct 13 j 03:12	30°℞♒	
min. Earth dist.	-7200 Oct 15 j 09:21	29°♒57'14	42.73970 AU
direct	-7199 Jan 03 j 14:06	28°♒55'42	
	-7199 Mar 24 j 08:26	0°♓	
evening set	-7199 Mar 31 j 22:58	0°♓10'49	
max. Earth dist.	-7199 Apr 13 j 16:19	0°♓29'32	44.63005 AU
conjunction	-7199 Apr 16 j 02:21	0°♓33'07	-5°24'20
minimum elong	-7199 Apr 16 j 02:30	0°♓33'08	5°24'37
morning rise	-7199 May 01 j 04:29	0°♓55'22	
retrograde	-7199 Jul 26 j 04:41	2°♓09'58	
opposition	-7199 Oct 14 j 13:45	1°♓07'12	-5°29'38
min. Earth dist.	-7199 Oct 16 j 18:18	1°♓04'30	42.53743 AU
direct	-7198 Jan 04 j 21:59	0°♓02'46	
evening set	-7198 Apr 02 j 06:17	1°♓18'07	
max. Earth dist.	-7198 Apr 15 j 00:42	1°♓36'58	44.42777 AU
conjunction	-7198 Apr 17 j 12:32	1°♓40'41	-5°05'06
minimum elong	-7198 Apr 17 j 12:41	1°♓40'42	5°05'22
morning rise	-7198 May 02 j 17:46	2°♓03'13	
retrograde	-7198 Jul 27 j 16:41	3°♓17'57	
opposition	-7198 Oct 15 j 22:04	2°♓15'00	-5°09'25
min. Earth dist.	-7198 Oct 18 j 03:15	2°♓12'15	42.33307 AU
direct	-7197 Jan 06 j 04:57	1°♓10'20	
evening set	-7197 Apr 03 j 13:55	2°♓25'55	
max. Earth dist.	-7197 Apr 16 j 10:32	2°♓44'59	44.22333 AU
conjunction	-7197 Apr 18 j 23:08	2°♓48'46	-4°45'34
minimum elong	-7197 Apr 18 j 23:16	2°♓48'46	4°45'50
morning rise	-7197 May 04 j 06:59	3°♓11'34	
retrograde	-7197 Jul 29 j 02:38	4°♓26'29	
opposition	-7197 Oct 17 j 06:54	3°♓23'20	-4°48'52
min. Earth dist.	-7197 Oct 19 j 13:35	3°♓20'30	42.12674 AU
direct	-7196 Jan 07 j 15:07	2°♓18'27	
evening set	-7196 Apr 03 j 21:54	3°♓34'18	
max. Earth dist.	-7196 Apr 16 j 20:39	3°♓53'36	44.01716 AU
conjunction	-7196 Apr 19 j 09:45	3°♓57'26	-4°25'44
minimum elong	-7196 Apr 19 j 09:53	3°♓57'27	4°25'59
morning rise	-7196 May 04 j 20:12	4°♓20'30	
retrograde	-7196 Jul 29 j 12:01	5°♓35'37	
opposition	-7196 Oct 17 j 15:48	4°♓32'19	-4°28'00
min. Earth dist.	-7196 Oct 19 j 22:17	4°♓29'29	41.91867 AU
direct	-7195 Jan 08 j 01:53	3°♓27'12	
evening set	-7195 Apr 05 j 06:25	4°♓43'22	
max. Earth dist.	-7195 Apr 18 j 05:48	5°♓02'48	43.80903 AU
conjunction	-7195 Apr 20 j 20:43	5°♓06'47	-4°05'35
minimum elong	-7195 Apr 20 j 20:49	5°♓06'47	4°05'51
morning rise	-7195 May 06 j 09:35	5°♓30'07	
retrograde	-7195 Jul 30 j 22:24	6°♓45'29	
opposition	-7195 Oct 19 j 00:59	5°♓42'00	-4°06'49
min. Earth dist.	-7195 Oct 21 j 09:21	5°♓39'04	41.70864 AU
direct	-7194 Jan 09 j 10:09	4°♓36'41	
evening set	-7194 Apr 06 j 15:17	5°♓53'11	
max. Earth dist.	-7194 Apr 19 j 17:06	6°♓12'52	43.59860 AU
conjunction	-7194 Apr 22 j 08:03	6°♓16'52	-3°45'09
minimum elong	-7194 Apr 22 j 08:10	6°♓16'52	3°45'24
morning rise	-7194 May 07 j 23:03	6°♓40'28	
retrograde	-7194 Aug 01 j 08:57	7°♓56'07	
opposition	-7194 Oct 20 j 10:28	6°♓52'29	-3°45'18
min. Earth dist.	-7194 Oct 22 j 19:26	6°♓49'30	41.49588 AU
direct	-7193 Jan 10 j 19:21	5°♓46'57	
evening set	-7193 Apr 08 j 00:56	7°♓03'49	
max. Earth dist.	-7193 Apr 21 j 02:22	7°♓23'35	43.38511 AU
conjunction	-7193 Apr 23 j 19:37	7°♓27'45	-3°24'25
minimum elong	-7193 Apr 23 j 19:43	7°♓27'46	3°24'38
morning rise	-7193 May 09 j 12:46	7°♓51'37	
retrograde	-7193 Aug 02 j 23:34	9°♓07'34	
opposition	-7193 Oct 21 j 20:11	8°♓03'45	-3°23'28
min. Earth dist.	-7193 Oct 24 j 06:20	8°♓00'42	41.27990 AU
direct	-7192 Jan 12 j 01:54	6°♓57'59	
evening set	-7192 Apr 08 j 10:56	8°♓15'16	
max. Earth dist.	-7192 Apr 21 j 13:35	8°♓35'13	43.16788 AU
conjunction	-7192 Apr 24 j 07:40	8°♓39'27	-3°03'23
minimum elong	-7192 Apr 24 j 07:46	8°♓39'27	3°03'37
morning rise	-7192 May 10 j 02:26	9°♓03'33	
retrograde	-7192 Aug 03 j 12:03	10°♓19'50	
opposition	-7192 Oct 22 j 06:26	9°♓15'49	-3°01'19
min. Earth dist.	-7192 Oct 24 j 18:26	9°♓12'39	41.06003 AU
direct	-7191 Jan 12 j 11:14	8°♓09'49	
evening set	-7191 Apr 09 j 21:21	9°♓27'30	
max. Earth dist.	-7191 Apr 23 j 00:18	9°♓47'35	42.94675 AU
conjunction	-7191 Apr 25 j 19:43	9°♓51'56	-2°42'04
minimum elong	-7191 Apr 25 j 19:48	9°♓51'56	2°42'16
morning rise	-7191 May 11 j 16:13	10°♓16'16	
retrograde	-7191 Aug 04 j 23:24	11°♓32'53	
opposition	-7191 Oct 23 j 16:48	10°♓28'39	-2°38'51
min. Earth dist.	-7191 Oct 26 j 05:12	10°♓25'27	40.83618 AU
direct	-7190 Jan 14 j 00:10	9°♓22'23	
evening set	-7190 Apr 11 j 08:26	10°♓40'29	
max. Earth dist.	-7190 Apr 24 j 10:41	11°♓00'39	42.72142 AU
conjunction	-7190 Apr 27 j 08:18	11°♓05'10	-2°20'27
minimum elong	-7190 Apr 27 j 08:23	11°♓05'10	2°20'40
morning rise	-7190 May 13 j 06:10	11°♓29'44	
retrograde	-7190 Aug 06 j 10:12	12°♓46'41	
opposition	-7190 Oct 25 j 03:28	11°♓42'13	-2°16'04
min. Earth dist.	-7190 Oct 27 j 18:06	11°♓38'54	40.60839 AU
direct	-7189 Jan 15 j 12:10	10°♓35'40	
evening set	-7189 Apr 12 j 19:59	11°♓54'13	

Attention, astronomical year style is used: The year -7189 in astronomical counting style is the year 7190 BCE in historical counting style.

max. Earth dist.	-7189 Apr 25 j 23:19	12°♓14'33	42.49233 AU
conjunction	-7189 Apr 28 j 21:15	12°♓19'07	-1°58'32
minimum elong	-7189 Apr 28 j 21:18	12°♓19'07	1°58'44
morning rise	-7189 May 14 j 20:13	12°♓43'55	
retrograde	-7189 Aug 07 j 20:46	14°♓01'14	
opposition	-7189 Oct 26 j 14:28	12°♓56'31	-1°52'58
min. Earth dist.	-7189 Oct 29 j 05:31	12°♓53'09	40.37703 AU
direct	-7188 Jan 17 j 00:07	11°♓49'39	
evening set	-7188 Apr 13 j 08:00	13°♓08'39	
max. Earth dist.	-7188 Apr 26 j 10:02	13°♓29'02	42.25989 AU
conjunction	-7188 Apr 29 j 10:09	13°♓33'46	-1°36'21
minimum elong	-7188 Apr 29 j 10:12	13°♓33'47	1°36'33
morning rise	-7188 May 15 j 10:13	13°♓58'47	
retrograde	-7188 Aug 08 j 10:38	15°♓16'30	
opposition	-7188 Oct 27 j 01:45	14°♓11'31	-1°29'33
min. Earth dist.	-7188 Oct 29 j 18:08	14°♓08'03	40.14284 AU
direct	-7187 Jan 17 j 09:22	13°♓04'20	
evening set	-7187 Apr 14 j 20:25	14°♓23'49	
max. Earth dist.	-7187 Apr 27 j 23:14	14°♓44'22	42.02473 AU
conjunction	-7187 Apr 30 j 23:35	14°♓49'09	-1°13'51
minimum elong	-7187 Apr 30 j 23:37	14°♓49'09	1°14'02
morning rise	-7187 May 17 j 00:12	15°♓14'21	
retrograde	-7187 Aug 10 j 00:35	16°♓32'30	
opposition	-7187 Oct 28 j 13:19	15°♓27'13	-1°05'49
min. Earth dist.	-7187 Oct 31 j 06:50	15°♓23'41	39.90632 AU
direct	-7186 Jan 18 j 20:03	14°♓19'42	
evening set	-7186 Apr 16 j 09:30	15°♓39'44	
max. Earth dist.	-7186 Apr 29 j 11:35	16°♓00'22	41.78764 AU
conjunction	-7186 May 02 j 13:08	16°♓05'15	-0°51'05
minimum elong	-7186 May 02 j 13:10	16°♓05'15	0°51'15
morning rise	-7186 May 18 j 14:25	16°♓30'39	
retrograde	-7186 Aug 11 j 16:39	17°♓49'14	
opposition	-7186 Oct 30 j 01:11	16°♓43'41	-0°41'46
min. Earth dist.	-7186 Nov 01 j 18:42	16°♓40'08	39.66820 AU
direct	-7185 Jan 20 j 07:26	15°♓35'50	
evening set	-7185 Apr 17 j 23:08	16°♓56'26	
max. Earth dist.	-7185 May 01 j 00:32	17°♓17'09	41.54890 AU
conjunction	-7185 May 04 j 03:09	17°♓22'08	-0°28'02
minimum elong	-7185 May 04 j 03:10	17°♓22'08	0°28'10
morning rise	-7185 May 20 j 04:33	17°♓47'43	
retrograde	-7185 Aug 13 j 05:29	19°♓06'48	
opposition	-7185 Oct 31 j 13:33	18°♓00'57	-0°17'24
min. Earth dist.	-7185 Nov 03 j 08:44	17°♓57'18	39.42886 AU
direct	-7184 Jan 21 j 20:27	16°♓52'48	
evening set	-7184 Apr 18 j 13:20	18°♓13'59	
max. Earth dist.	-7184 May 01 j 14:59	18°♓34'51	41.30922 AU
conjunction	-7184 May 04 j 17:28	18°♓39'53	-0°04'45
minimum elong	-7184 May 04 j 17:28	18°♓39'53	0°04'54
behind sun begin	-7184 May 04 j 11:07	18°♓39'29	
behind sun end	-7184 May 04 j 23:49	18°♓40'17	
morning rise	-7184 May 20 j 18:51	19°♓05'37	
asc. node	-7184 Jul 16 j 19:16	20°♓15'16	
retrograde	-7184 Aug 13 j 17:24	20°♓25'14	
opposition	-7184 Nov 01 j 02:13	19°♓19'08	0°07'16
min. Earth dist.	-7184 Nov 03 j 21:04	19°♓15'28	39.18865 AU
direct	-7183 Jan 22 j 11:27	18°♓10'39	
evening set	-7183 Apr 20 j 04:06	19°♓32'29	
max. Earth dist.	-7183 May 03 j 03:40	19°♓53'22	41.06852 AU
conjunction	-7183 May 06 j 07:58	19°♓58'33	0°18'58
minimum elong	-7183 May 06 j 07:57	19°♓58'33	0°18'50
morning rise	-7183 May 22 j 09:11	20°♓24'27	
retrograde	-7183 Aug 15 j 07:57	21°♓44'39	
opposition	-7183 Nov 02 j 15:18	20°♓38'17	0°32'14
min. Earth dist.	-7183 Nov 05 j 11:27	20°♓34'32	38.94749 AU
direct	-7182 Jan 23 j 22:48	19°♓29'29	
evening set	-7182 Apr 21 j 19:36	20°♓52'01	
max. Earth dist.	-7182 May 04 j 19:07	21°♓13'02	40.82652 AU
conjunction	-7182 May 07 j 23:10	21°♓18'14	0°42'51
minimum elong	-7182 May 07 j 23:09	21°♓18'14	0°42'43
morning rise	-7182 May 23 j 23:43	21°♓44'18	
retrograde	-7182 Aug 16 j 22:11	23°♓05'07	
opposition	-7182 Nov 04 j 04:42	21°♓58'28	0°57'30
min. Earth dist.	-7182 Nov 07 j 01:37	21°♓54'40	38.70480 AU
direct	-7181 Jan 25 j 11:33	20°♓49'22	
evening set	-7181 Apr 23 j 12:03	22°♓12'38	
max. Earth dist.	-7181 May 06 j 09:02	22°♓33'39	40.58275 AU
conjunction	-7181 May 09 j 14:42	22°♓38'59	1°07'00
minimum elong	-7181 May 09 j 14:40	22°♓38'59	1°06'53
morning rise	-7181 May 25 j 14:34	23°♓05'12	
retrograde	-7181 Aug 18 j 16:11	24°♓26'40	
opposition	-7181 Nov 05 j 18:37	23°♓19'45	1°23'04
min. Earth dist.	-7181 Nov 08 j 16:11	23°♓15'54	38.46024 AU
direct	-7180 Jan 26 j 23:28	22°♓10'19	
evening set	-7180 Apr 24 j 04:58	23°♓34'22	
max. Earth dist.	-7180 May 07 j 00:06	23°♓55'25	40.33651 AU
conjunction	-7180 May 10 j 06:41	24°♓00'51	1°31'25
minimum elong	-7180 May 10 j 06:38	24°♓00'51	1°31'19
morning rise	-7180 May 26 j 05:15	24°♓27'10	
retrograde	-7180 Aug 19 j 09:32	25°♓49'22	
opposition	-7180 Nov 06 j 09:09	24°♓42'09	1°48'55
min. Earth dist.	-7180 Nov 09 j 08:28	24°♓38'10	38.21313 AU
direct	-7179 Jan 27 j 13:43	23°♓32'23	
evening set	-7179 Apr 25 j 22:47	24°♓57'15	
max. Earth dist.	-7179 May 08 j 15:49	25°♓18'18	40.08770 AU
conjunction	-7179 May 11 j 23:07	25°♓23'50	1°56'06
minimum elong	-7179 May 11 j 23:02	25°♓23'50	1°56'00
morning rise	-7179 May 27 j 20:21	25°♓50'15	
retrograde	-7179 Aug 21 j 02:30	27°♓13'10	
opposition	-7179 Nov 07 j 23:52	26°♓05'39	2°15'03
min. Earth dist.	-7179 Nov 10 j 23:12	26°♓01'39	37.96343 AU
direct	-7178 Jan 29 j 05:51	24°♓55'31	
evening set	-7178 Apr 27 j 17:24	26°♓21'14	
max. Earth dist.	-7178 May 10 j 06:46	26°♓42'12	39.83606 AU
conjunction	-7178 May 13 j 16:03	26°♓47'55	2°21'01
minimum elong	-7178 May 13 j 15:59	26°♓47'55	2°20'56
morning rise	-7178 May 29 j 11:35	27°♓14'26	
retrograde	-7178 Aug 22 j 18:24	28°♓38'06	
opposition	-7178 Nov 09 j 15:14	27°♓30'16	2°41'28
min. Earth dist.	-7178 Nov 12 j 16:31	27°♓26'08	37.71116 AU
direct	-7177 Jan 30 j 20:50	26°♓19'45	
evening set	-7177 Apr 29 j 12:42	27°♓46'21	
max. Earth dist.	-7177 May 12 j 00:17	28°♓07'21	39.58192 AU
conjunction	-7177 May 15 j 09:28	28°♓13'07	2°46'11
minimum elong	-7177 May 15 j 09:22	28°♓13'06	2°46'07
morning rise	-7177 May 31 j 02:51	28°♓39'41	
	-7177 Aug 06 j 22:54	0°♈	
retrograde	-7177 Aug 24 j 09:30	0°♈04'09	
	-7177 Sep 11 j 01:43	30°℞♓	
opposition	-7177 Nov 11 j 07:00	28°♓55'59	3°08'08
min. Earth dist.	-7177 Nov 14 j 08:35	28°♓51'48	37.45665 AU
direct	-7176 Feb 01 j 13:21	27°♓45'04	

Attention, astronomical year style is used: The year -7176 in astronomical counting style is the year 7177 BCE in historical counting style.

evening set	-7176 Apr 30 j 08:53	29°♓12'35	
max. Earth dist.	-7176 May 12 j 16:05	29°♓33'28	39.32583 AU
conjunction	-7176 May 16 j 03:10	29°♓39'24	3°11'34
minimum elong	-7176 May 16 j 03:03	29°♓39'24	3°11'31
	-7176 May 28 j 04:23	0°♈	
morning rise	-7176 May 31 j 18:19	0°♈06'02	
retrograde	-7176 Aug 25 j 04:21	1°♈31'21	
opposition	-7176 Nov 11 j 23:12	0°♈22'48	3°35'03
min. Earth dist.	-7176 Nov 15 j 01:36	0°♈18'34	37.20076 AU
	-7176 Nov 28 j 22:19	30°℞♓	
direct	-7175 Feb 02 j 02:36	29°♓11'30	
	-7175 Apr 06 j 15:59	0°♈	
evening set	-7175 May 02 j 05:31	0°♈39'59	
max. Earth dist.	-7175 May 14 j 10:18	1°♈00'51	39.06837 AU
conjunction	-7175 May 17 j 21:19	1°♈06'50	3°37'10
minimum elong	-7175 May 17 j 21:11	1°♈06'49	3°37'08
morning rise	-7175 Jun 02 j 09:36	1°♈33'29	
retrograde	-7175 Aug 26 j 22:20	2°♈59'42	
opposition	-7175 Nov 13 j 15:59	1°♈50'48	4°02'13
min. Earth dist.	-7175 Nov 16 j 19:20	1°♈46'28	36.94389 AU
direct	-7174 Feb 03 j 18:25	0°♈39'04	
evening set	-7174 May 04 j 03:16	2°♈08'35	
max. Earth dist.	-7174 May 16 j 04:16	2°♈29'21	38.81036 AU
conjunction	-7174 May 19 j 15:54	2°♈35'26	4°02'58
minimum elong	-7174 May 19 j 15:45	2°♈35'25	4°02'57
morning rise	-7174 Jun 04 j 01:14	3°♈02'05	
retrograde	-7174 Aug 28 j 19:14	4°♈29'15	
opposition	-7174 Nov 15 j 09:03	3°♈19'58	4°29'35
min. Earth dist.	-7174 Nov 18 j 12:07	3°♈15'39	36.68699 AU
direct	-7173 Feb 05 j 12:02	2°♈07'49	
evening set	-7173 May 06 j 01:50	3°♈38'26	
max. Earth dist.	-7173 May 17 j 22:43	3°♈59'06	38.55233 AU
conjunction	-7173 May 21 j 11:05	4°♈05'17	4°28'56
minimum elong	-7173 May 21 j 10:55	4°♈05'16	4°28'55
morning rise	-7173 Jun 05 j 16:51	4°♈31'55	
retrograde	-7173 Aug 30 j 16:08	6°♈00'04	
opposition	-7173 Nov 17 j 02:58	4°♈50'26	4°57'09
min. Earth dist.	-7173 Nov 20 j 07:18	4°♈46'00	36.43058 AU
direct	-7172 Feb 07 j 05:46	3°♈37'53	
evening set	-7172 May 07 j 01:08	5°♈09'39	
max. Earth dist.	-7172 May 18 j 18:51	5°♈30'15	38.29506 AU
conjunction	-7172 May 22 j 06:34	5°♈36'26	4°55'04
minimum elong	-7172 May 22 j 06:23	5°♈36'26	4°55'04
morning rise	-7172 Jun 06 j 08:29	6°♈03'02	
retrograde	-7172 Aug 31 j 10:35	7°♈32'15	
opposition	-7172 Nov 17 j 21:19	6°♈22'16	5°24'54
min. Earth dist.	-7172 Nov 21 j 00:49	6°♈17'51	36.17514 AU
direct	-7171 Feb 08 j 01:17	5°♈09'19	
evening set	-7171 May 09 j 01:33	6°♈42'18	
max. Earth dist.	-7171 May 20 j 13:43	7°♈02'41	38.03872 AU
conjunction	-7171 May 24 j 02:40	7°♈09'01	5°21'19
minimum elong	-7171 May 24 j 02:28	7°♈09'01	5°21'19
morning rise	-7171 Jun 08 j 00:26	7°♈35'33	
retrograde	-7171 Sep 02 j 06:27	9°♈05'54	
opposition	-7171 Nov 19 j 16:07	7°♈55'34	5°52'47
min. Earth dist.	-7171 Nov 22 j 20:34	7°♈51'04	35.92087 AU
direct	-7170 Feb 09 j 18:38	6°♈42'13	
evening set	-7170 May 11 j 02:54	8°♈16'29	
max. Earth dist.	-7170 May 22 j 11:26	8°♈36'47	37.78325 AU
conjunction	-7170 May 25 j 23:32	8°♈43'08	5°47'42
minimum elong	-7170 May 25 j 23:19	8°♈43'07	5°47'43
morning rise	-7170 Jun 09 j 16:31	9°♈09'33	
retrograde	-7170 Sep 04 j 02:03	10°♈41'06	
opposition	-7170 Nov 21 j 11:43	9°♈30'25	6°20'49
min. Earth dist.	-7170 Nov 24 j 16:20	9°♈25'53	35.66729 AU
direct	-7169 Feb 11 j 12:53	8°♈16'41	
evening set	-7169 May 13 j 05:27	9°♈52'18	
max. Earth dist.	-7169 May 24 j 07:33	10°♈12'19	37.52826 AU
conjunction	-7169 May 27 j 20:47	10°♈18'49	6°14'10
minimum elong	-7169 May 27 j 20:33	10°♈18'48	6°14'12
morning rise	-7169 Jun 11 j 08:48	10°♈45'06	
retrograde	-7169 Sep 06 j 01:19	12°♈17'55	
opposition	-7169 Nov 23 j 07:52	11°♈06'53	6°48'58
min. Earth dist.	-7169 Nov 26 j 12:39	11°♈02'20	35.41421 AU
direct	-7168 Feb 13 j 05:52	9°♈52'46	
evening set	-7168 May 14 j 08:56	11°♈29'48	
max. Earth dist.	-7168 May 25 j 05:36	11°♈49'35	37.27324 AU
conjunction	-7168 May 28 j 18:52	11°♈56'08	6°40'44
minimum elong	-7168 May 28 j 18:36	11°♈56'07	6°40'47
morning rise	-7168 Jun 12 j 01:11	12°♈22'15	
retrograde	-7168 Sep 07 j 00:23	13°♈56'24	
opposition	-7168 Nov 24 j 04:53	12°♈45'00	7°17'13
min. Earth dist.	-7168 Nov 27 j 10:47	12°♈40'21	35.16106 AU
direct	-7167 Feb 14 j 01:36	11°♈30'28	
evening set	-7167 May 16 j 13:35	13°♈08'58	
max. Earth dist.	-7167 May 27 j 03:49	13°♈28'28	37.01808 AU
conjunction	-7167 May 30 j 17:21	13°♈35'06	7°07'21
minimum elong	-7167 May 30 j 17:05	13°♈35'04	7°07'24
morning rise	-7167 Jun 13 j 17:46	14°♈01'00	
retrograde	-7167 Sep 09 j 02:01	15°♈36'32	
opposition	-7167 Nov 26 j 02:25	14°♈24'45	7°45'31
min. Earth dist.	-7167 Nov 29 j 07:52	14°♈20'06	34.90770 AU
direct	-7166 Feb 15 j 23:15	13°♈09'46	
evening set	-7166 May 18 j 19:26	14°♈49'49	
max. Earth dist.	-7166 May 29 j 02:05	15°♈08'56	36.76239 AU
conjunction	-7166 Jun 01 j 16:43	15°♈15'42	7°33'59
minimum elong	-7166 Jun 01 j 16:25	15°♈15'40	7°34'05
morning rise	-7166 Jun 15 j 10:34	15°♈41'21	
retrograde	-7166 Sep 11 j 02:29	17°♈18'19	
opposition	-7166 Nov 28 j 00:44	16°♈06'07	8°13'53
min. Earth dist.	-7166 Dec 01 j 07:43	16°♈01'21	34.65412 AU
direct	-7165 Feb 17 j 20:37	14°♈50'42	
evening set	-7165 May 21 j 02:32	16°♈32'20	
max. Earth dist.	-7165 May 31 j 02:43	16°♈51'07	36.50663 AU
conjunction	-7165 Jun 03 j 16:44	16°♈57'55	8°00'38
minimum elong	-7165 Jun 03 j 16:25	16°♈57'53	8°00'43
morning rise	-7165 Jun 17 j 03:30	17°♈23'16	
retrograde	-7165 Sep 13 j 02:01	19°♈01'43	
opposition	-7165 Nov 29 j 23:47	17°♈49'07	8°42'15
min. Earth dist.	-7165 Dec 03 j 06:10	17°♈44'20	34.40069 AU
direct	-7164 Feb 19 j 21:01	16°♈33'13	
evening set	-7164 May 22 j 10:37	18°♈16'30	
max. Earth dist.	-7164 Jun 01 j 01:49	18°♈34'47	36.25114 AU
conjunction	-7164 Jun 04 j 17:07	18°♈41'44	8°27'15
minimum elong	-7164 Jun 04 j 16:47	18°♈41'43	8°27'22
morning rise	-7164 Jun 17 j 20:27	19°♈06'45	
retrograde	-7164 Sep 14 j 03:15	20°♈46'46	
opposition	-7164 Nov 30 j 23:29	19°♈33'43	9°10'35
min. Earth dist.	-7164 Dec 04 j 06:34	19°♈28'52	34.14809 AU
direct	-7163 Feb 20 j 19:30	18°♈17'21	
evening set	-7163 May 24 j 19:56	20°♈02'21	

Attention, astronomical year style is used: The year -7163 in astronomical counting style is the year 7164 BCE in historical counting style.

max. Earth dist.	-7163 Jun 03 j 04:13	20°♈20'15	35.99661 AU	
conjunction	-7163 Jun 06 j 18:23	20°♈27'11	8°53'48	
minimum elong	-7163 Jun 06 j 18:03	20°♈27'10	8°53'54	
morning rise	-7163 Jun 19 j 13:27	20°♈51'48		
retrograde	-7163 Sep 16 j 03:30	22°♈33'27		
opposition	-7163 Dec 02 j 23:49	21°♈19'57	9°38'50	
min. Earth dist.	-7163 Dec 06 j 06:53	21°♈15'04	33.89684 AU	
direct	-7162 Feb 22 j 19:12	20°♈03'06		
evening set	-7162 May 27 j 06:40	21°♈49'55		
max. Earth dist.	-7162 Jun 05 j 05:26	22°♈07'14	35.74384 AU	
conjunction	-7162 Jun 08 j 20:09	22°♈14'17	9°20'13	
minimum elong	-7162 Jun 08 j 19:48	22°♈14'15	9°20'21	
morning rise	-7162 Jun 21 j 06:41	22°♈38'27		
retrograde	-7162 Sep 18 j 06:22	24°♈21'49		
opposition	-7162 Dec 05 j 00:56	23°♈07'52	10°06'57	
min. Earth dist.	-7162 Dec 08 j 07:32	23°♈03'00	33.64793 AU	
direct	-7161 Feb 24 j 18:18	21°♈50'31		
evening set	-7161 May 29 j 18:28	23°♈39'14		
max. Earth dist.	-7161 Jun 07 j 08:46	23°♈56'03	35.49347 AU	
conjunction	-7161 Jun 10 j 22:39	24°♈03'06	9°46'27	
minimum elong	-7161 Jun 10 j 22:17	24°♈03'04	9°46'36	
morning rise	-7161 Jun 22 j 23:41	24°♈26'45		
retrograde	-7161 Sep 20 j 09:19	26°♈11'56		
opposition	-7161 Dec 07 j 03:02	24°♈57'32	10°34'52	
min. Earth dist.	-7161 Dec 10 j 09:54	24°♈52'37	33.40192 AU	
direct	-7160 Feb 26 j 18:29	23°♈39'43		
evening set	-7160 May 31 j 07:48	25°♈30'26		
max. Earth dist.	-7160 Jun 08 j 12:33	25°♈46'38	35.24649 AU	
conjunction	-7160 Jun 12 j 01:45	25°♈53'43	10°12'28	
minimum elong	-7160 Jun 12 j 01:22	25°♈53'41	10°12'38	
morning rise	-7160 Jun 23 j 16:53	26°♈16'47		
retrograde	-7160 Sep 21 j 14:47	28°♈03'53		
opposition	-7160 Dec 08 j 05:43	26°♈49'03	11°02'32	
min. Earth dist.	-7160 Dec 11 j 11:02	26°♈44'12	33.15966 AU	
direct	-7159 Feb 27 j 20:07	25°♈30'47		
evening set	-7159 Jun 02 j 22:19	27°♈23'36		
max. Earth dist.	-7159 Jun 10 j 16:37	27°♈39'07	35.00322 AU	
conjunction	-7159 Jun 14 j 05:37	27°♈46'14	10°38'11	
minimum elong	-7159 Jun 14 j 05:14	27°♈46'12	10°38'21	
morning rise	-7159 Jun 25 j 10:07	28°♈08'39		
retrograde	-7159 Sep 23 j 20:28	29°♈57'47		
opposition	-7159 Dec 10 j 09:22	28°♈42'33	11°29'54	
min. Earth dist.	-7159 Dec 13 j 15:10	28°♈37'38	32.92133 AU	
direct	-7158 Mar 01 j 22:01	27°♈23'51		
evening set	-7158 Jun 05 j 14:36	29°♈18'53		
max. Earth dist.	-7158 Jun 12 j 22:57	29°♈33'43	34.76391 AU	
conjunction	-7158 Jun 16 j 10:19	29°♈40'47	11°03'35	
minimum elong	-7158 Jun 16 j 09:54	29°♈40'45	11°03'47	
	-7158 Jun 25 j 21:44	0°♉		
morning rise	-7158 Jun 27 j 03:20	0°♉02'29		
retrograde	-7158 Sep 26 j 03:09	1°♉53'44		
opposition	-7158 Dec 12 j 13:45	0°♉38'06	11°56'55	
min. Earth dist.	-7158 Dec 15 j 18:12	0°♉33'14	32.68688 AU	
	-7157 Jan 07 j 14:26	30°℞♈		
direct	-7157 Mar 04 j 03:20	29°♈19'00		
	-7157 Apr 26 j 20:35	0°♉		
evening set	-7157 Jun 08 j 08:23	1°♉16'22		
max. Earth dist.	-7157 Jun 15 j 04:03	1°♉30'17	34.52833 AU	
conjunction	-7157 Jun 18 j 15:46	1°♉37'27	11°28'35	
minimum elong	-7157 Jun 18 j 15:22	1°♉37'25	11°28'48	
morning rise	-7157 Jun 28 j 20:44	1°♉58'20		
retrograde	-7157 Sep 28 j 11:12	3°♉51'50		
opposition	-7157 Dec 14 j 19:10	2°♉35'50	12°23'30	
min. Earth dist.	-7157 Dec 17 j 23:43	2°♉30'56	32.45625 AU	
direct	-7156 Mar 05 j 06:27	1°♉16'18		
evening set	-7156 Jun 10 j 03:43	3°♉16'07		
max. Earth dist.	-7156 Jun 16 j 12:03	3°♉29'12	34.29625 AU	
conjunction	-7156 Jun 19 j 21:58	3°♉36'17	11°53'10	
minimum elong	-7156 Jun 19 j 21:32	3°♉36'15	11°53'24	
morning rise	-7156 Jun 29 j 13:45	3°♉56'17		
retrograde	-7156 Sep 29 j 17:11	5°♉52'08		
opposition	-7156 Dec 16 j 01:31	4°♉35'44	12°49'38	
min. Earth dist.	-7156 Dec 19 j 05:20	4°♉30'51	32.22890 AU	
direct	-7155 Mar 07 j 12:03	3°♉15'49		
evening set	-7155 Jun 13 j 01:00	5°♉18'09		
max. Earth dist.	-7155 Jun 18 j 18:48	5°♉30'08	34.06742 AU	
conjunction	-7155 Jun 22 j 05:00	5°♉37'19	12°17'16	
minimum elong	-7155 Jun 22 j 04:35	5°♉37'17	12°17'30	
morning rise	-7155 Jul 01 j 06:55	5°♉56'18		
retrograde	-7155 Oct 02 j 01:54	7°♉54'36		
opposition	-7155 Dec 18 j 08:32	6°♉37'49	13°15'15	
min. Earth dist.	-7155 Dec 21 j 11:45	6°♉32'57	32.00485 AU	
direct	-7154 Mar 09 j 16:09	5°♉17'28		
evening set	-7154 Jun 16 j 00:10	7°♉22'29		
max. Earth dist.	-7154 Jun 21 j 04:12	7°♉33'23	33.84166 AU	
conjunction	-7154 Jun 24 j 13:03	7°♉40'31	12°40'49	
minimum elong	-7154 Jun 24 j 12:36	7°♉40'29	12°41'05	
morning rise	-7154 Jul 02 j 23:46	7°♉58'22		
retrograde	-7154 Oct 04 j 10:13	9°♉59'16		
opposition	-7154 Dec 20 j 16:48	8°♉42'04	13°40'16	
min. Earth dist.	-7154 Dec 23 j 20:05	8°♉37'09	31.78390 AU	
direct	-7153 Mar 11 j 21:13	7°♉21'17		
evening set	-7153 Jun 19 j 01:25	9°♉29'05		
max. Earth dist.	-7153 Jun 23 j 13:19	9°♉38'40	33.61931 AU	
conjunction	-7153 Jun 26 j 21:37	9°♉45'50	13°03'46	
minimum elong	-7153 Jun 26 j 21:11	9°♉45'47	13°04'02	
morning rise	-7153 Jul 04 j 16:02	10°♉02'25		
retrograde	-7153 Oct 06 j 21:03	12°♉06'01		
opposition	-7153 Dec 23 j 01:50	10°♉48'24	14°04'38	
min. Earth dist.	-7153 Dec 26 j 03:33	10°♉43'34	31.56655 AU	
direct	-7152 Mar 13 j 04:53	9°♉27'11		
evening set	-7152 Jun 21 j 04:49	11°♉37'55		
max. Earth dist.	-7152 Jun 24 j 23:38	11°♉46'04	33.40065 AU	
conjunction	-7152 Jun 28 j 07:07	11°♉53'13	13°26'03	
minimum elong	-7152 Jun 28 j 06:40	11°♉53'11	13°26'20	
morning rise	-7152 Jul 05 j 07:41	12°♉08'23		
retrograde	-7152 Oct 08 j 07:57	14°♉14'51		
opposition	-7152 Dec 24 j 11:47	12°♉56'46	14°28'14	
min. Earth dist.	-7152 Dec 27 j 13:39	12°♉51'55	31.35325 AU	
direct	-7151 Mar 15 j 13:07	11°♉35'07		
evening set	-7151 Jun 24 j 11:02	13°♉49'00		
max. Earth dist.	-7151 Jun 27 j 11:26	13°♉55'33	33.18652 AU	
conjunction	-7151 Jun 30 j 17:13	14°♉02'37	13°47'33	
minimum elong	-7151 Jun 30 j 16:48	14°♉02'35	13°47'51	
morning rise	-7151 Jul 06 j 21:57	14°♉16'08		
	-7151 Jul 27 j 17:00	15°♉		
retrograde	-7151 Oct 10 j 20:22	16°♉25'40		
opposition	-7151 Dec 26 j 22:34	15°♉07'09	14°51'01	
min. Earth dist.	-7151 Dec 29 j 22:19	15°♉02'24	31.14465 AU	
	-7151 Dec 31 j 10:34	15°℞♉		
direct	-7150 Mar 17 j 23:52	13°♉45'02		

Attention, astronomical year style is used: The year -7150 in astronomical counting style is the year 7151 BCE in historical counting style.

	-7150 May 28 j 22:10	15°♉		
evening set	-7150 Jun 27 j 20:29	16°♉02'18		
max. Earth dist.	-7150 Jun 29 j 22:59	16°♉06'55	32.97744 AU	
conjunction	-7150 Jul 03 j 04:06	16°♉14'00	14°08'14	
minimum elong	-7150 Jul 03 j 03:39	16°♉13'57	14°08'33	
morning rise	-7150 Jul 08 j 10:24	16°♉25'35		
retrograde	-7150 Oct 13 j 09:15	18°♉38'26		
opposition	-7150 Dec 29 j 10:19	17°♉19'29	15°12'51	
min. Earth dist.	-7149 Jan 01 j 09:45	17°♉14'43	30.94167 AU	
direct	-7149 Mar 20 j 09:25	15°♉56'56		
evening set	-7149 Jul 01 j 11:03	18°♉18'00		
max. Earth dist.	-7149 Jul 02 j 13:26	18°♉20'26	32.77454 AU	
conjunction	-7149 Jul 05 j 15:42	18°♉27'18	14°27'57	
minimum elong	-7149 Jul 05 j 15:17	18°♉27'16	14°28'17	
morning rise	-7149 Jul 09 j 19:15	18°♉36'32		
retrograde	-7149 Oct 15 j 23:16	20°♉53'08		
opposition	-7149 Dec 31 j 23:02	19°♉33'45	15°33'40	
min. Earth dist.	-7148 Jan 03 j 20:09	19°♉29'07	30.74516 AU	
direct	-7148 Mar 21 j 23:09	18°♉10'47		
evening set	-7148 Jul 04 j 10:57	20°♉36'30		
max. Earth dist.	-7148 Jul 04 j 02:26	20°♉35'42	32.57868 AU	
conjunction	-7148 Jul 07 j 03:49	20°♉42'33	14°46'39	
minimum elong	-7148 Jul 07 j 03:24	20°♉42'31	14°47'00	
morning rise	-7148 Jul 09 j 19:46	20°♉48'32		
retrograde	-7148 Oct 17 j 14:17	23°♉09'46		
opposition	-7147 Jan 02 j 12:34	21°♉49'57	15°53'19	
min. Earth dist.	-7147 Jan 05 j 08:14	21°♉45'24	30.55610 AU	
direct	-7147 Mar 24 j 10:50	20°♉26'36		
max. Earth dist.	-7147 Jul 06 j 18:45	22°♉53'08	32.39061 AU	
conjunction	-7147 Jul 09 j 16:56	22°♉59'45	15°04'14	
minimum elong	-7147 Jul 09 j 16:32	22°♉59'43	15°04'34	
retrograde	-7147 Oct 20 j 03:33	25°♉28'19		
opposition	-7146 Jan 05 j 02:55	24°♉08'08	16°11'45	
min. Earth dist.	-7146 Jan 07 j 20:35	24°♉03'41	30.37484 AU	
direct	-7146 Mar 27 j 00:21	22°♉44'26		
max. Earth dist.	-7146 Jul 09 j 09:45	25°♉12'22	32.21085 AU	
conjunction	-7146 Jul 12 j 06:39	25°♉18'56	15°20'35	
minimum elong	-7146 Jul 12 j 06:15	25°♉18'53	15°20'57	
retrograde	-7146 Oct 22 j 20:06	27°♉48'50		
opposition	-7145 Jan 07 j 18:13	26°♉28'18	16°28'50	
min. Earth dist.	-7145 Jan 10 j 09:33	26°♉23'59	30.20189 AU	
direct	-7145 Mar 29 j 13:17	25°♉04'17		
max. Earth dist.	-7145 Jul 12 j 03:27	27°♉33'48	32.03939 AU	
conjunction	-7145 Jul 14 j 21:07	27°♉40'06	15°35'40	
minimum elong	-7145 Jul 14 j 20:45	27°♉40'04	15°36'02	
	-7145 Sep 29 j 23:45	0°♊		
retrograde	-7145 Oct 25 j 11:43	0°♊11'20		
	-7145 Nov 20 j 12:27	30°℞♉		
opposition	-7144 Jan 10 j 10:36	28°♉50'28	16°44'31	
min. Earth dist.	-7144 Jan 13 j 00:30	28°♉46'14	30.03701 AU	
direct	-7144 Mar 31 j 02:48	27°♉26'10		
max. Earth dist.	-7144 Jul 13 j 20:27	29°♉57'05	31.87630 AU	
	-7144 Jul 15 j 02:38	0°♊		
conjunction	-7144 Jul 16 j 12:13	0°♊03'15	15°49'23	
minimum elong	-7144 Jul 16 j 11:52	0°♊03'13	15°49'47	
retrograde	-7144 Oct 27 j 05:04	2°♊35'46		
opposition	-7143 Jan 12 j 03:31	1°♊14'36	16°58'43	
min. Earth dist.	-7143 Jan 14 j 14:35	1°♊10'33	29.88019 AU	
	-7143 Mar 08 j 15:39	30°℞♉		
direct	-7143 Apr 02 j 18:08	29°♉50'02		
	-7143 Apr 27 j 10:14	0°♊		
max. Earth dist.	-7143 Jul 16 j 14:54	2°♊22'22	31.72115 AU	
conjunction	-7143 Jul 19 j 04:09	2°♊28'20	16°01'41	
minimum elong	-7143 Jul 19 j 03:51	2°♊28'18	16°02'05	
retrograde	-7143 Oct 29 j 22:03	5°♊02'05		
opposition	-7142 Jan 14 j 21:36	3°♊40'37	17°11'22	
min. Earth dist.	-7142 Jan 17 j 07:33	3°♊36'38	29.73104 AU	
direct	-7142 Apr 05 j 09:15	2°♊15'48		
max. Earth dist.	-7142 Jul 19 j 09:52	4°♊49'27	31.57399 AU	
conjunction	-7142 Jul 21 j 20:37	4°♊55'14	16°12'30	
minimum elong	-7142 Jul 21 j 20:20	4°♊55'12	16°12'56	
retrograde	-7142 Nov 01 j 17:13	7°♊30'09		
opposition	-7141 Jan 17 j 16:23	6°♊08'24	17°22'25	
min. Earth dist.	-7141 Jan 19 j 23:06	6°♊04'37	29.58954 AU	
direct	-7141 Apr 08 j 02:42	4°♊43'21		
max. Earth dist.	-7141 Jul 22 j 05:07	7°♊18'13	31.43471 AU	
conjunction	-7141 Jul 24 j 13:49	7°♊23'50	16°21'46	
minimum elong	-7141 Jul 24 j 13:34	7°♊23'48	16°22'11	
retrograde	-7141 Nov 04 j 12:23	9°♊59'51		
opposition	-7140 Jan 20 j 12:04	8°♊37'49	17°31'45	
min. Earth dist.	-7140 Jan 22 j 17:28	8°♊34'07	29.45590 AU	
direct	-7140 Apr 09 j 19:54	7°♊12'32		
max. Earth dist.	-7140 Jul 24 j 02:04	9°♊48'40	31.30373 AU	
conjunction	-7140 Jul 26 j 07:25	9°♊53'58	16°29'25	
minimum elong	-7140 Jul 26 j 07:12	9°♊53'57	16°29'52	
retrograde	-7140 Nov 06 j 08:30	12°♊31'00		
opposition	-7139 Jan 22 j 08:17	11°♊08'41	17°39'19	
min. Earth dist.	-7139 Jan 24 j 10:29	11°♊05'12	29.33026 AU	
direct	-7139 Apr 12 j 16:35	9°♊43'12		
max. Earth dist.	-7139 Jul 26 j 22:02	12°♊20'21	31.18123 AU	
conjunction	-7139 Jul 29 j 01:33	12°♊25'29	16°35'23	
minimum elong	-7139 Jul 29 j 01:22	12°♊25'28	16°35'49	
retrograde	-7139 Nov 09 j 04:52	15°♊03'28		
opposition	-7138 Jan 25 j 05:03	13°♊40'52	17°45'02	
min. Earth dist.	-7138 Jan 27 j 05:19	13°♊37'31	29.21323 AU	
direct	-7138 Apr 15 j 11:14	12°♊15'10		
max. Earth dist.	-7138 Jul 29 j 20:37	14°♊53'27	31.06797 AU	
conjunction	-7138 Jul 31 j 20:09	14°♊58'14	16°39'36	
minimum elong	-7138 Jul 31 j 20:01	14°♊58'13	16°40'04	
retrograde	-7138 Nov 12 j 01:11	17°♊37'01		
opposition	-7137 Jan 28 j 02:33	16°♊14'11	17°48'51	
min. Earth dist.	-7137 Jan 29 j 23:36	16°♊11'02	29.10534 AU	
direct	-7137 Apr 18 j 08:48	14°♊48'19		
max. Earth dist.	-7137 Aug 01 j 17:26	17°♊27'26	30.96462 AU	
conjunction	-7137 Aug 03 j 14:45	17°♊32'00	16°42'00	
minimum elong	-7137 Aug 03 j 14:39	17°♊32'00	16°42'27	
retrograde	-7137 Nov 14 j 23:39	20°♊11'33		
opposition	-7136 Jan 31 j 00:30	18°♊48'28	17°50'40	
min. Earth dist.	-7136 Feb 01 j 18:26	18°♊45'32	29.00760 AU	
direct	-7136 Apr 20 j 05:43	17°♊22'27		
max. Earth dist.	-7136 Aug 03 j 17:09	20°♊02'33	30.87204 AU	
conjunction	-7136 Aug 05 j 09:54	20°♊06'41	16°42'32	
minimum elong	-7136 Aug 05 j 09:52	20°♊06'41	16°43'00	
retrograde	-7136 Nov 16 j 19:05	22°♊46'53		
opposition	-7135 Feb 01 j 22:49	21°♊23'36	17°50'25	
min. Earth dist.	-7135 Feb 03 j 13:44	21°♊20'52	28.92059 AU	
direct	-7135 Apr 23 j 03:31	19°♊57'29		
max. Earth dist.	-7135 Aug 06 j 15:01	22°♊38'16	30.79102 AU	

Attention, astronomical year style is used: The year -7135 in astronomical counting style is the year 7136 BCE in historical counting style.

conjunction	-7135 Aug 08 j 05:07	22°♊42'09	16°41'07
minimum elong	-7135 Aug 08 j 05:06	22°♊42'09	16°41'35
retrograde	-7135 Nov 19 j 17:21	25°♊22'55	
opposition	-7134 Feb 04 j 21:32	23°♊59'28	17°48'05
min. Earth dist.	-7134 Feb 06 j 08:23	23°♊57'01	28.84513 AU
direct	-7134 Apr 26 j 00:49	22°♊33'17	
max. Earth dist.	-7134 Aug 09 j 15:12	25°♊14'53	30.72196 AU
conjunction	-7134 Aug 11 j 00:37	25°♊18'18	16°37'45
minimum elong	-7134 Aug 11 j 00:40	25°♊18'18	16°38'14
retrograde	-7134 Nov 22 j 14:12	27°♊59'33	
opposition	-7133 Feb 07 j 20:48	26°♊35'59	17°43'36
min. Earth dist.	-7133 Feb 09 j 04:48	26°♊33'44	28.78137 AU
direct	-7133 Apr 28 j 22:29	25°♊09'49	
conjunction	-7133 Aug 13 j 20:13	27°♊55'02	16°32'25
minimum elong	-7133 Aug 13 j 20:17	27°♊55'02	16°32'53
max. Earth dist.	-7133 Aug 12 j 13:55	27°♊51'56	30.66523 AU
	-7133 Oct 10 j 22:20	0°♋	
retrograde	-7133 Nov 25 j 12:25	0°♋36'42	
	-7132 Jan 12 j 06:17	30°℞♊	
opposition	-7132 Feb 10 j 20:08	29°♊13'03	17°37'00
min. Earth dist.	-7132 Feb 11 j 23:28	29°♊11'08	28.72954 AU
direct	-7132 Apr 30 j 20:37	27°♊46'55	
	-7132 Aug 02 j 10:45	0°♋	
conjunction	-7132 Aug 15 j 15:56	0°♋32'16	16°25'06
minimum elong	-7132 Aug 15 j 16:04	0°♋32'16	16°25'36
max. Earth dist.	-7132 Aug 14 j 13:52	0°♋29'35	30.62046 AU
retrograde	-7132 Nov 27 j 08:23	3°♋14'13	
opposition	-7131 Feb 12 j 19:51	1°♋50'32	17°28'15
min. Earth dist.	-7131 Feb 13 j 20:40	1°♋48'47	28.68917 AU
direct	-7131 May 03 j 18:07	0°♋24'29	
conjunction	-7131 Aug 18 j 11:41	3°♋09'49	16°15'50
minimum elong	-7131 Aug 18 j 11:50	3°♋09'50	16°16'19
max. Earth dist.	-7131 Aug 17 j 13:04	3°♋07'30	30.58741 AU
retrograde	-7131 Nov 30 j 07:03	5°♋51'58	
opposition	-7130 Feb 15 j 19:30	4°♋28'16	17°17'25
min. Earth dist.	-7130 Feb 16 j 15:46	4°♋26'50	28.65990 AU
direct	-7130 May 06 j 16:29	3°♋02'19	
conjunction	-7130 Aug 21 j 07:32	5°♋47'32	16°04'39
minimum elong	-7130 Aug 21 j 07:45	5°♋47'34	16°05'09
max. Earth dist.	-7130 Aug 20 j 12:33	5°♋45'36	30.56548 AU
retrograde	-7130 Dec 03 j 03:29	8°♋29'46	
opposition	-7129 Feb 18 j 19:34	7°♋06'04	17°04'32
min. Earth dist.	-7129 Feb 19 j 13:23	7°♋04'49	28.64141 AU
direct	-7129 May 09 j 14:01	5°♋40'15	
conjunction	-7129 Aug 24 j 03:14	8°♋25'13	15°51'35
minimum elong	-7129 Aug 24 j 03:27	8°♋25'14	15°52'03
max. Earth dist.	-7129 Aug 23 j 12:10	8°♋23'40	30.55453 AU
retrograde	-7129 Dec 06 j 00:34	11°♋07'24	
opposition	-7128 Feb 21 j 19:28	9°♋43'43	16°49'37
min. Earth dist.	-7128 Feb 22 j 08:58	9°♋42'46	28.63327 AU
direct	-7128 May 11 j 14:21	8°♋18'02	
conjunction	-7128 Aug 25 j 22:52	11°♋02'38	15°36'41
minimum elong	-7128 Aug 25 j 23:09	11°♋02'40	15°37'10
max. Earth dist.	-7128 Aug 25 j 10:45	11°♋01'23	30.55402 AU
retrograde	-7128 Dec 07 j 21:47	13°♋44'40	
opposition	-7127 Feb 23 j 19:10	12°♋20'59	16°32'45
min. Earth dist.	-7127 Feb 24 j 05:58	12°♋20'14	28.63538 AU
direct	-7127 May 14 j 11:32	10°♋55'27	
conjunction	-7127 Aug 28 j 18:23	13°♋39'34	15°19'59
minimum elong	-7127 Aug 28 j 18:40	13°♋39'35	15°20'27
max. Earth dist.	-7127 Aug 28 j 10:24	13°♋38'45	30.56399 AU
retrograde	-7127 Dec 10 j 18:07	16°♋21'19	
opposition	-7126 Feb 26 j 18:49	14°♋57'40	16°13'58
min. Earth dist.	-7126 Feb 27 j 01:41	14°♋57'12	28.64750 AU
direct	-7126 May 17 j 11:58	13°♋32'18	
conjunction	-7126 Aug 31 j 13:20	16°♋15'47	15°01'33
minimum elong	-7126 Aug 31 j 13:40	16°♋15'49	15°02'02
max. Earth dist.	-7126 Aug 31 j 08:00	16°♋15'14	30.58431 AU
retrograde	-7126 Dec 13 j 15:36	18°♋57'09	
opposition	-7125 Mar 01 j 18:16	17°♋33'33	15°53'20
min. Earth dist.	-7125 Mar 01 j 21:42	17°♋33'18	28.67003 AU
direct	-7125 May 20 j 10:35	16°♋08'20	
evening set	-7125 Aug 31 j 06:33	18°♋43'37	
conjunction	-7125 Sep 03 j 08:07	18°♋51'06	14°41'26
minimum elong	-7125 Sep 03 j 08:27	18°♋51'08	14°41'55
max. Earth dist.	-7125 Sep 03 j 07:26	18°♋51'02	30.61535 AU
morning rise	-7125 Sep 06 j 10:20	18°♋58'39	
retrograde	-7125 Dec 16 j 10:24	21°♋31'59	
opposition	-7124 Mar 03 j 17:15	20°♋08'25	15°30'55
min. Earth dist.	-7124 Mar 03 j 17:17	20°♋08'25	28.70314 AU
direct	-7124 May 22 j 10:12	18°♋43'24	
evening set	-7124 Aug 31 j 13:43	21°♋14'21	
conjunction	-7124 Sep 05 j 02:12	21°♋25'20	14°19'42
minimum elong	-7124 Sep 05 j 02:36	21°♋25'22	14°20'10
max. Earth dist.	-7124 Sep 05 j 04:17	21°♋25'32	30.65745 AU
morning rise	-7124 Sep 09 j 15:26	21°♋36'23	
retrograde	-7124 Dec 18 j 07:03	24°♋05'39	
opposition	-7123 Mar 06 j 15:48	22°♋42'09	15°06'46
min. Earth dist.	-7123 Mar 06 j 11:36	22°♋42'27	28.74747 AU
direct	-7123 May 25 j 08:04	21°♋17'21	
evening set	-7123 Sep 02 j 04:16	23°♋44'42	
conjunction	-7123 Sep 07 j 19:59	23°♋58'23	13°56'24
minimum elong	-7123 Sep 07 j 20:22	23°♋58'25	13°56'51
max. Earth dist.	-7123 Sep 08 j 02:54	23°♋59'05	30.71101 AU
morning rise	-7123 Sep 13 j 12:17	24°♋12'07	
retrograde	-7123 Dec 21 j 01:18	26°♋38'02	
opposition	-7122 Mar 09 j 13:56	25°♋14'39	14°40'59
min. Earth dist.	-7122 Mar 09 j 06:34	25°♋15'10	28.80327 AU
direct	-7122 May 28 j 07:19	23°♋50'07	
evening set	-7122 Sep 03 j 22:23	26°♋14'14	
conjunction	-7122 Sep 10 j 13:08	26°♋30'10	13°31'37
minimum elong	-7122 Sep 10 j 13:33	26°♋30'13	13°32'04
max. Earth dist.	-7122 Sep 10 j 22:59	26°♋31'10	30.77652 AU
morning rise	-7122 Sep 17 j 04:37	26°♋46'10	
retrograde	-7122 Dec 23 j 20:52	29°♋09'07	
opposition	-7121 Mar 12 j 11:32	27°♋45'53	14°13'37
min. Earth dist.	-7121 Mar 11 j 23:16	27°♋46'44	28.87102 AU
direct	-7121 May 31 j 04:48	26°♋21'38	
evening set	-7121 Sep 05 j 18:23	28°♋42'46	
conjunction	-7121 Sep 13 j 05:50	29°♋00'40	13°05'26
minimum elong	-7121 Sep 13 j 06:14	29°♋00'43	13°05'52
max. Earth dist.	-7121 Sep 13 j 20:13	29°♋02'07	30.85390 AU
morning rise	-7121 Sep 20 j 17:55	29°♋18'38	
	-7121 Oct 08 j 13:55	0°♌	
retrograde	-7121 Dec 26 j 13:15	1°♌38'51	
opposition	-7120 Mar 14 j 08:42	0°♌15'49	13°44'48
min. Earth dist.	-7120 Mar 13 j 17:41	0°♌16'51	28.95043 AU
	-7120 Mar 24 j 01:11	30°℞♋	
direct	-7120 Jun 02 j 01:27	28°♋51'55	
	-7120 Aug 05 j 19:54	0°♌	

Attention, astronomical year style is used: The year -7120 in astronomical counting style is the year 7121 BCE in historical counting style.

evening set	-7120 Sep 06 j 16:00	1°♌10'13	
conjunction	-7120 Sep 14 j 21:58	1°♌29'52	12°37'57
minimum elong	-7120 Sep 14 j 22:24	1°♌29'55	12°38'22
max. Earth dist.	-7120 Sep 15 j 15:28	1°♌31'36	30.94294 AU
morning rise	-7120 Sep 23 j 04:40	1°♌49'35	
retrograde	-7120 Dec 28 j 07:20	4°♌07'13	
min. Earth dist.	-7119 Mar 16 j 09:18	2°♌45'45	29.04110 AU
opposition	-7119 Mar 17 j 04:56	2°♌44'25	13°14'39
direct	-7119 Jun 04 j 22:02	1°♌20'52	
evening set	-7119 Sep 08 j 14:28	3°♌36'30	
conjunction	-7119 Sep 17 j 13:34	3°♌57'43	12°09'16
minimum elong	-7119 Sep 17 j 13:59	3°♌57'45	12°09'42
max. Earth dist.	-7119 Sep 18 j 10:53	3°♌59'49	31.04287 AU
morning rise	-7119 Sep 26 j 13:25	4°♌18'59	
retrograde	-7119 Dec 30 j 23:12	6°♌34'12	
min. Earth dist.	-7118 Mar 19 j 02:52	5°♌13'09	29.14246 AU
opposition	-7118 Mar 20 j 00:58	5°♌11'39	12°43'15
direct	-7118 Jun 07 j 16:23	3°♌48'30	
evening set	-7118 Sep 10 j 13:46	6°♌01'32	
conjunction	-7118 Sep 20 j 04:30	6°♌24'09	11°39'30
minimum elong	-7118 Sep 20 j 04:56	6°♌24'11	11°39'55
max. Earth dist.	-7118 Sep 21 j 05:16	6°♌26'35	31.15317 AU
morning rise	-7118 Sep 29 j 19:58	6°♌46'50	
retrograde	-7117 Jan 02 j 14:14	8°♌59'42	
opposition	-7117 Mar 22 j 20:16	7°♌37'26	12°10'46
min. Earth dist.	-7117 Mar 21 j 18:00	7°♌39'13	29.25367 AU
direct	-7117 Jun 10 j 12:22	6°♌14'41	
evening set	-7117 Sep 12 j 13:41	8°♌25'15	
conjunction	-7117 Sep 22 j 18:54	8°♌49'06	11°08'47
minimum elong	-7117 Sep 22 j 19:19	8°♌49'09	11°09'11
max. Earth dist.	-7117 Sep 23 j 22:29	8°♌51'48	31.27286 AU
morning rise	-7117 Oct 03 j 01:03	9°♌13'03	
retrograde	-7116 Jan 05 j 05:19	11°♌23'42	
min. Earth dist.	-7116 Mar 23 j 10:05	10°♌03'38	29.37418 AU
opposition	-7116 Mar 24 j 14:54	10°♌01'42	11°37'18
direct	-7116 Jun 12 j 04:29	8°♌39'21	
evening set	-7116 Sep 13 j 14:07	10°♌47'31	
conjunction	-7116 Sep 24 j 08:49	11°♌12'30	10°37'11
minimum elong	-7116 Sep 24 j 09:14	11°♌12'32	10°37'34
max. Earth dist.	-7116 Sep 25 j 15:53	11°♌15'31	31.40139 AU
morning rise	-7116 Oct 05 j 04:16	11°♌37'34	
retrograde	-7115 Jan 06 j 19:09	13°♌46'04	
min. Earth dist.	-7115 Mar 26 j 00:49	12°♌26'29	29.50302 AU
opposition	-7115 Mar 27 j 08:47	12°♌24'21	11°02'58
direct	-7115 Jun 14 j 22:49	11°♌02'23	
evening set	-7115 Sep 15 j 14:55	13°♌08'14	
conjunction	-7115 Sep 26 j 21:52	13°♌34'13	10°04'50
minimum elong	-7115 Sep 26 j 22:15	13°♌34'15	10°05'12
max. Earth dist.	-7115 Sep 28 j 06:52	13°♌37'24	31.53789 AU
morning rise	-7115 Oct 08 j 05:54	14°♌00'18	
	-7115 Nov 05 j 08:23	15°♌	
retrograde	-7114 Jan 09 j 09:46	16°♌06'42	
	-7114 Mar 20 j 18:51	15℞♌	
min. Earth dist.	-7114 Mar 28 j 15:07	14°♌47'34	29.63988 AU
opposition	-7114 Mar 30 j 02:01	14°♌45'15	10°27'53
direct	-7114 Jun 17 j 15:08	13°♌23'41	
	-7114 Sep 05 j 07:16	15°♌	
evening set	-7114 Sep 17 j 15:57	15°♌27'17	
conjunction	-7114 Sep 29 j 10:28	15°♌54'09	9°31'48
minimum elong	-7114 Sep 29 j 10:52	15°♌54'11	9°32'10
max. Earth dist.	-7114 Sep 30 j 23:13	15°♌57'40	31.68210 AU
morning rise	-7114 Oct 11 j 05:52	16°♌21'07	
retrograde	-7113 Jan 11 j 22:17	18°♌25'31	
min. Earth dist.	-7113 Mar 31 j 05:17	17°♌06'47	29.78430 AU
opposition	-7113 Apr 01 j 18:30	17°♌04'19	9°52'09
direct	-7113 Jun 20 j 08:18	15°♌43'07	
evening set	-7113 Sep 19 j 17:11	17°♌44'33	
conjunction	-7113 Oct 01 j 22:06	18°♌12'12	8°58'13
minimum elong	-7113 Oct 01 j 22:28	18°♌12'14	8°58'35
max. Earth dist.	-7113 Oct 03 j 12:29	18°♌15'50	31.83373 AU
morning rise	-7113 Oct 14 j 04:16	18°♌39'57	
retrograde	-7112 Jan 14 j 11:28	20°♌42'24	
min. Earth dist.	-7112 Apr 01 j 17:21	19°♌24'08	29.93637 AU
opposition	-7112 Apr 03 j 10:05	19°♌21'27	9°15'53
direct	-7112 Jun 21 j 22:54	18°♌00'37	
evening set	-7112 Sep 20 j 18:26	19°♌59'57	
conjunction	-7112 Oct 03 j 09:10	20°♌28'17	8°24'09
minimum elong	-7112 Oct 03 j 09:31	20°♌28'19	8°24'29
max. Earth dist.	-7112 Oct 05 j 03:13	20°♌32'14	31.99279 AU
morning rise	-7112 Oct 16 j 00:59	20°♌56'43	
retrograde	-7111 Jan 15 j 22:20	22°♌57'16	
min. Earth dist.	-7111 Apr 04 j 06:15	21°♌39'21	30.09612 AU
opposition	-7111 Apr 06 j 00:45	21°♌36'34	8°39'09
direct	-7111 Jun 24 j 15:38	20°♌16'06	
evening set	-7111 Sep 22 j 19:50	22°♌13'25	
conjunction	-7111 Oct 05 j 19:19	22°♌42'20	7°49'41
minimum elong	-7111 Oct 05 j 19:39	22°♌42'22	7°50'01
max. Earth dist.	-7111 Oct 07 j 15:15	22°♌46'26	32.15966 AU
morning rise	-7111 Oct 18 j 20:09	23°♌11'22	
retrograde	-7110 Jan 18 j 10:35	25°♌10'06	
min. Earth dist.	-7110 Apr 06 j 16:15	23°♌52'42	30.26401 AU
opposition	-7110 Apr 08 j 14:38	23°♌49'40	8°02'03
direct	-7110 Jun 27 j 06:48	22°♌29'35	
evening set	-7110 Sep 24 j 21:05	24°♌24'59	
conjunction	-7110 Oct 08 j 04:41	24°♌54'24	7°14'54
minimum elong	-7110 Oct 08 j 05:00	24°♌54'25	7°15'13
max. Earth dist.	-7110 Oct 10 j 04:03	24°♌58'47	32.33448 AU
morning rise	-7110 Oct 21 j 13:42	25°♌23'56	
retrograde	-7109 Jan 20 j 19:05	27°♌20'57	
min. Earth dist.	-7109 Apr 09 j 03:42	26°♌03'55	30.44023 AU
opposition	-7109 Apr 11 j 03:52	26°♌00'48	7°24'40
direct	-7109 Jun 29 j 20:05	24°♌41'06	
evening set	-7109 Sep 26 j 22:32	26°♌34'40	
conjunction	-7109 Oct 10 j 13:29	27°♌04'29	6°39'53
minimum elong	-7109 Oct 10 j 13:46	27°♌04'31	6°40'11
max. Earth dist.	-7109 Oct 12 j 15:20	27°♌09'04	32.51752 AU
morning rise	-7109 Oct 24 j 05:52	27°♌34'27	
retrograde	-7108 Jan 23 j 03:08	29°♌29'49	
min. Earth dist.	-7108 Apr 10 j 12:10	28°♌13'20	30.62465 AU
opposition	-7108 Apr 12 j 15:56	28°♌09'59	6°47'05
direct	-7108 Jul 01 j 09:48	26°♌50'42	
evening set	-7108 Sep 27 j 23:59	28°♌42'31	
conjunction	-7108 Oct 11 j 21:28	29°♌12'42	6°04'42
minimum elong	-7108 Oct 11 j 21:44	29°♌12'43	6°04'59
max. Earth dist.	-7108 Oct 14 j 01:46	29°♌17'28	32.70834 AU
morning rise	-7108 Oct 25 j 20:40	29°♌43'00	
	-7108 Nov 02 j 22:38	0°♍	
retrograde	-7107 Jan 24 j 11:08	1°♍36'50	
min. Earth dist.	-7107 Apr 12 j 21:36	0°♍20'47	30.81698 AU
opposition	-7107 Apr 15 j 03:27	0°♍17'19	6°09'25
	-7107 Apr 26 j 11:26	30℞♌	

Attention, astronomical year style is used: The year -7107 in astronomical counting style is the year 7108 BCE in historical counting style.

direct	-7107 Jul 03 j 20:30	28°♌58'28		
	-7107 Sep 05 j 11:30	0°♍		
evening set	-7107 Sep 30 j 01:14	0°♍48'38		
conjunction	-7107 Oct 14 j 04:45	1°♍19'05	5°29'26	
minimum elong	-7107 Oct 14 j 04:59	1°♍19'06	5°29'43	
max. Earth dist.	-7107 Oct 16 j 11:59	1°♍24'04	32.90659 AU	
morning rise	-7107 Oct 28 j 09:48	1°♍49'40		
retrograde	-7106 Jan 26 j 17:25	3°♍42'02		
min. Earth dist.	-7106 Apr 15 j 05:38	2°♍26'29	31.01642 AU	
opposition	-7106 Apr 17 j 14:06	2°♍22'52	5°31'43	
direct	-7106 Jul 06 j 08:11	1°♍04'28		
evening set	-7106 Oct 02 j 02:46	2°♍53'04		
conjunction	-7106 Oct 16 j 11:20	3°♍23'42	4°54'10	
minimum elong	-7106 Oct 16 j 11:33	3°♍23'43	4°54'26	
max. Earth dist.	-7106 Oct 18 j 20:04	3°♍28'48	33.11142 AU	
morning rise	-7106 Oct 30 j 21:53	3°♍54'31		
retrograde	-7105 Jan 29 j 00:56	5°♍45'29		
min. Earth dist.	-7105 Apr 17 j 13:12	4°♍30'25	31.22251 AU	
opposition	-7105 Apr 20 j 00:03	4°♍26'41	4°54'04	
direct	-7105 Jul 08 j 16:20	3°♍08'44		
evening set	-7105 Oct 04 j 04:04	4°♍55'50		
conjunction	-7105 Oct 18 j 17:24	5°♍26'38	4°18'58	
minimum elong	-7105 Oct 18 j 17:35	5°♍26'39	4°19'13	
max. Earth dist.	-7105 Oct 21 j 05:14	5°♍31'57	33.32213 AU	
morning rise	-7105 Nov 02 j 08:30	5°♍57'34		
retrograde	-7104 Jan 31 j 06:37	7°♍47'14		
min. Earth dist.	-7104 Apr 18 j 21:01	6°♍32'35	31.43410 AU	
opposition	-7104 Apr 21 j 09:12	6°♍28'48	4°16'34	
direct	-7104 Jul 10 j 01:22	5°♍11'17		
evening set	-7104 Oct 05 j 05:38	6°♍57'00		
conjunction	-7104 Oct 19 j 22:46	7°♍27'52	3°43'54	
minimum elong	-7104 Oct 19 j 22:56	7°♍27'52	3°44'07	
max. Earth dist.	-7104 Oct 22 j 11:22	7°♍33'12	33.53773 AU	
morning rise	-7104 Nov 03 j 18:02	7°♍58'54		
retrograde	-7103 Feb 01 j 13:44	9°♍47'18		
min. Earth dist.	-7103 Apr 21 j 02:36	8°♍33'09	31.65051 AU	
opposition	-7103 Apr 23 j 17:27	8°♍29'13	3°39'15	
direct	-7103 Jul 12 j 08:22	7°♍12'09		
evening set	-7103 Oct 07 j 07:04	8°♍56'31		
conjunction	-7103 Oct 22 j 03:37	9°♍27'25	3°09'01	
minimum elong	-7103 Oct 22 j 03:45	9°♍27'26	3°09'14	
max. Earth dist.	-7103 Oct 24 j 18:49	9°♍32'56	33.75747 AU	
morning rise	-7103 Nov 06 j 02:13	9°♍58'29		
retrograde	-7102 Feb 03 j 18:43	11°♍45'42		
min. Earth dist.	-7102 Apr 23 j 09:48	10°♍31'55	31.87095 AU	
opposition	-7102 Apr 26 j 01:13	10°♍27'58	3°02'12	
direct	-7102 Jul 14 j 17:15	9°♍11'19		
evening set	-7102 Oct 09 j 08:24	10°♍54'25		
conjunction	-7102 Oct 24 j 07:44	11°♍25'17	2°34'22	
minimum elong	-7102 Oct 24 j 07:50	11°♍25'18	2°34'34	
max. Earth dist.	-7102 Oct 26 j 23:41	11°♍30'49	33.98083 AU	
morning rise	-7102 Nov 08 j 09:14	11°♍56'20		
retrograde	-7101 Feb 06 j 00:37	13°♍42'24		
min. Earth dist.	-7101 Apr 25 j 14:13	12°♍29'05	32.09490 AU	
opposition	-7101 Apr 28 j 08:08	12°♍25'00	2°25'28	
direct	-7101 Jul 17 j 01:20	11°♍08'45		
evening set	-7101 Oct 11 j 09:46	12°♍50'38		
conjunction	-7101 Oct 26 j 11:18	13°♍21'26	2°00'01	
minimum elong	-7101 Oct 26 j 11:23	13°♍21'27	2°00'13	
max. Earth dist.	-7101 Oct 29 j 05:03	13°♍27'05	34.20720 AU	
morning rise	-7101 Nov 10 j 15:10	13°♍52'25		
retrograde	-7100 Feb 08 j 03:19	15°♍37'24		
min. Earth dist.	-7100 Apr 26 j 19:51	14°♍24'24	32.32215 AU	
opposition	-7100 Apr 29 j 14:15	14°♍20'19	1°49'05	
direct	-7100 Jul 18 j 07:47	13°♍04'27		
evening set	-7100 Oct 12 j 10:52	14°♍45'10		
conjunction	-7100 Oct 27 j 14:12	15°♍15'51	1°26'00	
minimum elong	-7100 Oct 27 j 14:16	15°♍15'51	1°26'10	
max. Earth dist.	-7100 Oct 30 j 09:29	15°♍21'35	34.43674 AU	
morning rise	-7100 Nov 11 j 19:44	15°♍46'43		
retrograde	-7099 Feb 09 j 04:01	17°♍30'39		
min. Earth dist.	-7099 Apr 28 j 23:09	16°♍18'05	32.55265 AU	
opposition	-7099 May 01 j 19:33	16°♍13'53	1°13'06	
direct	-7099 Jul 20 j 15:17	14°♍58'24		
evening set	-7099 Oct 14 j 11:49	16°♍38'01		
conjunction	-7099 Oct 29 j 16:09	17°♍08'31	0°52'20	
minimum elong	-7099 Oct 29 j 16:11	17°♍08'32	0°52'30	
max. Earth dist.	-7099 Nov 01 j 12:29	17°♍14'18	34.66943 AU	
morning rise	-7099 Nov 13 j 23:04	17°♍39'14		
retrograde	-7098 Feb 11 j 05:34	19°♍22'12		
min. Earth dist.	-7098 May 01 j 02:25	18°♍10'00	32.78694 AU	
opposition	-7098 May 04 j 00:18	18°♍05'44	0°37'34	
direct	-7098 Jul 22 j 19:25	16°♍50'37		
evening set	-7098 Oct 16 j 12:34	18°♍29'11		
conjunction	-7098 Oct 31 j 17:45	18°♍59'30	0°19'06	
minimum elong	-7098 Oct 31 j 17:46	18°♍59'30	0°19'14	
max. Earth dist.	-7098 Nov 03 j 16:29	19°♍05'26	34.90586 AU	
morning rise	-7098 Nov 16 j 01:14	19°♍30'01		
retrograde	-7097 Feb 13 j 05:28	21°♍12'04		
min. Earth dist.	-7097 May 03 j 05:07	20°♍00'13	33.02516 AU	
opposition	-7097 May 06 j 04:09	19°♍55'54	0°02'30	
desc. node	-7097 Jun 01 j 12:14	19°♍19'08		
direct	-7097 Jul 25 j 00:23	18°♍41'10		
evening set	-7097 Oct 18 j 13:19	20°♍18'46		
conjunction	-7097 Nov 02 j 18:34	20°♍48'50	-0°13'46	
minimum elong	-7097 Nov 02 j 18:34	20°♍48'50	0°13'39	
behind sun begin	-7097 Nov 02 j 14:59	20°♍48'34		
behind sun end	-7097 Nov 02 j 22:08	20°♍49'07		
max. Earth dist.	-7097 Nov 05 j 17:51	20°♍54'46	35.14617 AU	
morning rise	-7097 Nov 18 j 02:29	21°♍19'08		
retrograde	-7096 Feb 15 j 07:47	23°♍00'20		
min. Earth dist.	-7096 May 04 j 06:03	21°♍48'55	33.26756 AU	
opposition	-7096 May 07 j 07:20	21°♍44'29	-0°32'03	
direct	-7096 Jul 26 j 02:00	20°♍30'07		
evening set	-7096 Oct 19 j 13:51	22°♍06'50		
conjunction	-7096 Nov 03 j 18:55	22°♍36'38	-0°46'06	
minimum elong	-7096 Nov 03 j 18:54	22°♍36'38	0°45'59	
max. Earth dist.	-7096 Nov 06 j 20:45	22°♍42'43	35.39029 AU	
morning rise	-7096 Nov 19 j 02:29	23°♍06'39		
retrograde	-7095 Feb 16 j 08:34	24°♍47'04		
min. Earth dist.	-7095 May 06 j 08:04	23°♍35'59	33.51380 AU	
opposition	-7095 May 09 j 09:49	23°♍31'34	-1°06'04	
direct	-7095 Jul 28 j 03:55	22°♍17'36		
evening set	-7095 Oct 21 j 14:18	23°♍53'28		
conjunction	-7095 Nov 05 j 18:40	24°♍22'59	-1°17'57	
minimum elong	-7095 Nov 05 j 18:37	24°♍22'59	1°17'51	
max. Earth dist.	-7095 Nov 08 j 21:01	24°♍29'03	35.63809 AU	
morning rise	-7095 Nov 21 j 01:36	24°♍52'42		
retrograde	-7094 Feb 18 j 10:07	26°♍32'22		
min. Earth dist.	-7094 May 08 j 07:31	25°♍21'46	33.76361 AU	
opposition	-7094 May 11 j 11:42	25°♍17'13	-1°39'30	

Attention, astronomical year style is used: The year -7094 in astronomical counting style is the year 7095 BCE in historical counting style.

direct	-7094 Jul 30 j 04:33	24°♑03'39	
evening set	-7094 Oct 23 j 14:35	25°♑38'45	
conjunction	-7094 Nov 07 j 17:48	26°♑07'56	-1°49'17
minimum elong	-7094 Nov 07 j 17:44	26°♑07'56	1°49'12
max. Earth dist.	-7094 Nov 10 j 21:56	26°♑14'06	35.88886 AU
morning rise	-7094 Nov 22 j 23:43	26°♑37'21	
retrograde	-7093 Feb 20 j 09:05	28°♑16'19	
min. Earth dist.	-7093 May 10 j 08:48	27°♑06'03	34.01633 AU
opposition	-7093 May 13 j 13:07	27°♑01'31	-2°12'22
direct	-7093 Aug 01 j 07:03	25°♑48'21	
evening set	-7093 Oct 25 j 14:51	27°♑22'44	
conjunction	-7093 Nov 09 j 16:40	27°♑51'34	-2°20'05
minimum elong	-7093 Nov 09 j 16:35	27°♑51'34	2°20'01
max. Earth dist.	-7093 Nov 12 j 21:49	27°♑57'47	36.14204 AU
morning rise	-7093 Nov 24 j 20:59	28°♑20'38	
retrograde	-7092 Feb 22 j 07:08	29°♑58'57	
min. Earth dist.	-7092 May 11 j 07:53	28°♑49'06	34.27105 AU
opposition	-7092 May 14 j 13:34	28°♑44'31	-2°44'37
direct	-7092 Aug 02 j 09:52	27°♑31'44	
evening set	-7092 Oct 26 j 15:10	29°♑05'26	
conjunction	-7092 Nov 10 j 14:54	29°♑33'55	-2°50'20
minimum elong	-7092 Nov 10 j 14:48	29°♑33'55	2°50'16
max. Earth dist.	-7092 Nov 13 j 20:29	29°♑40'07	36.39660 AU
	-7092 Nov 24 j 08:03	0°♎	
morning rise	-7092 Nov 25 j 17:28	0°♎02'36	
retrograde	-7091 Feb 23 j 05:38	1°♎40'21	
min. Earth dist.	-7091 May 13 j 07:30	0°♎30'50	34.52713 AU
opposition	-7091 May 16 j 13:46	0°♎26'14	-3°16'16
	-7091 Jun 04 j 13:49	30°℞♑	
direct	-7091 Aug 04 j 09:48	29°♑13'51	
	-7091 Oct 01 j 01:13	0°♎	
evening set	-7091 Oct 28 j 15:08	0°♎46'55	
conjunction	-7091 Nov 12 j 12:43	1°♎14'59	-3°20'01
minimum elong	-7091 Nov 12 j 12:36	1°♎14'59	3°19'59
max. Earth dist.	-7091 Nov 15 j 19:49	1°♎21'15	36.65195 AU
morning rise	-7091 Nov 27 j 12:49	1°♎43'17	
retrograde	-7090 Feb 25 j 01:01	3°♎20'28	
min. Earth dist.	-7090 May 15 j 06:53	2°♎11'17	34.78359 AU
opposition	-7090 May 18 j 13:21	2°♎06'41	-3°47'17
direct	-7090 Aug 06 j 10:53	0°♎54'40	
evening set	-7090 Oct 30 j 15:18	2°♎27'08	
conjunction	-7090 Nov 14 j 10:07	2°♎54'47	-3°49'09
minimum elong	-7090 Nov 14 j 09:59	2°♎54'47	3°49'06
max. Earth dist.	-7090 Nov 17 j 16:35	3°♎00'58	36.90730 AU
morning rise	-7090 Nov 29 j 07:43	3°♎22'40	
retrograde	-7089 Feb 26 j 23:22	4°♎59'19	
min. Earth dist.	-7089 May 17 j 04:45	3°♎50'29	35.04004 AU
opposition	-7089 May 20 j 12:19	3°♎45'51	-4°17'40
direct	-7089 Aug 08 j 08:24	2°♎34'10	
evening set	-7089 Nov 01 j 15:13	4°♎06'04	
conjunction	-7089 Nov 16 j 07:10	4°♎33'18	-4°17'41
minimum elong	-7089 Nov 16 j 07:01	4°♎33'17	4°17'40
max. Earth dist.	-7089 Nov 19 j 15:03	4°♎39'31	37.16218 AU
morning rise	-7089 Dec 01 j 01:42	5°♎00'44	
retrograde	-7088 Feb 28 j 19:56	6°♎36'53	
min. Earth dist.	-7088 May 18 j 03:58	5°♎28'16	35.29591 AU
opposition	-7088 May 21 j 10:47	5°♎23'42	-4°47'25
direct	-7088 Aug 09 j 06:27	4°♎12'21	
evening set	-7088 Nov 02 j 14:57	5°♎43'42	
conjunction	-7088 Nov 17 j 03:34	6°♎10'28	-4°45'39
minimum elong	-7088 Nov 17 j 03:24	6°♎10'28	4°45'38
max. Earth dist.	-7088 Nov 20 j 11:04	6°♎16'37	37.41647 AU
morning rise	-7088 Dec 01 j 18:45	6°♎37'27	
retrograde	-7087 Mar 01 j 17:10	8°♎13'07	
min. Earth dist.	-7087 May 20 j 00:16	7°♎04'51	35.55133 AU
opposition	-7087 May 23 j 08:31	7°♎00'13	-5°16'31
direct	-7087 Aug 11 j 04:21	5°♎49'09	
evening set	-7087 Nov 04 j 14:33	7°♎20'01	
conjunction	-7087 Nov 18 j 23:28	7°♎46'19	-5°13'01
minimum elong	-7087 Nov 18 j 23:18	7°♎46'18	5°13'02
max. Earth dist.	-7087 Nov 22 j 07:48	7°♎52'29	37.67031 AU
morning rise	-7087 Dec 03 j 11:04	8°♎12'49	
retrograde	-7086 Mar 03 j 13:16	9°♎48'03	
min. Earth dist.	-7086 May 21 j 22:06	8°♎39'59	35.80679 AU
opposition	-7086 May 25 j 05:55	8°♎35'24	-5°44'58
direct	-7086 Aug 13 j 02:27	7°♎24'39	
evening set	-7086 Nov 06 j 13:50	8°♎55'02	
conjunction	-7086 Nov 20 j 18:56	9°♎20'51	-5°39'46
minimum elong	-7086 Nov 20 j 18:45	9°♎20'50	5°39'48
max. Earth dist.	-7086 Nov 24 j 04:00	9°♎27'02	37.92434 AU
morning rise	-7086 Dec 05 j 02:26	9°♎46'52	
retrograde	-7085 Mar 05 j 07:12	11°♎21'41	
min. Earth dist.	-7085 May 23 j 17:54	10°♎13'55	36.06253 AU
opposition	-7085 May 27 j 02:37	10°♎09'19	-6°12'45
direct	-7085 Aug 15 j 01:25	8°♎58'51	
evening set	-7085 Nov 08 j 13:13	10°♎28'50	
conjunction	-7085 Nov 22 j 13:56	10°♎54'09	-6°05'55
minimum elong	-7085 Nov 22 j 13:44	10°♎54'08	6°05'58
max. Earth dist.	-7085 Nov 25 j 22:58	11°♎00'17	38.17873 AU
morning rise	-7085 Dec 06 j 17:18	11°♎19'39	
retrograde	-7084 Mar 06 j 01:36	12°♎54'06	
min. Earth dist.	-7084 May 24 j 13:30	11°♎46'38	36.31908 AU
opposition	-7084 May 27 j 22:45	11°♎42'01	-6°39'51
direct	-7084 Aug 15 j 21:30	10°♎31'51	
evening set	-7084 Nov 09 j 12:16	12°♎01'28	
conjunction	-7084 Nov 23 j 08:36	12°♎26'16	-6°31'27
minimum elong	-7084 Nov 23 j 08:24	12°♎26'16	6°31'29
max. Earth dist.	-7084 Nov 26 j 19:13	12°♎32'29	38.43389 AU
morning rise	-7084 Dec 07 j 07:13	12°♎51'16	
retrograde	-7083 Mar 07 j 17:52	14°♎25'25	
min. Earth dist.	-7083 May 26 j 09:12	13°♎18'13	36.57630 AU
opposition	-7083 May 29 j 18:28	13°♎13'36	-7°06'18
direct	-7083 Aug 17 j 18:42	12°♎03'46	
evening set	-7083 Nov 11 j 11:10	13°♎33'04	
conjunction	-7083 Nov 25 j 02:34	13°♎57'20	-6°56'21
minimum elong	-7083 Nov 25 j 02:22	13°♎57'20	6°56'25
max. Earth dist.	-7083 Nov 28 j 12:41	14°♎03'29	38.68970 AU
morning rise	-7083 Dec 08 j 20:26	14°♎21'48	
retrograde	-7082 Mar 09 j 13:38	15°♎55'41	
min. Earth dist.	-7082 May 28 j 03:09	14°♎48'50	36.83420 AU
opposition	-7082 May 31 j 13:47	14°♎44'11	-7°32'04
direct	-7082 Aug 19 j 11:56	13°♎34'40	
evening set	-7082 Nov 13 j 10:00	15°♎03'41	
conjunction	-7082 Nov 26 j 20:24	15°♎27'26	-7°20'38
minimum elong	-7082 Nov 26 j 20:11	15°♎27'25	7°20'42
max. Earth dist.	-7082 Nov 30 j 07:52	15°♎33'37	38.94584 AU
morning rise	-7082 Dec 10 j 09:08	15°♎51'22	
retrograde	-7081 Mar 11 j 07:53	17°♎25'00	
min. Earth dist.	-7081 May 29 j 22:49	16°♎18'24	37.09225 AU
opposition	-7081 Jun 02 j 08:35	16°♎13'49	-7°57'10
direct	-7081 Aug 21 j 05:48	15°♎04'38	

Attention, astronomical year style is used: The year -7081 in astronomical counting style is the year 7082 BCE in historical counting style.

evening set	-7081 Nov 15 j 08:46	16°♎33'24	
conjunction	-7081 Nov 28 j 13:54	16°♎56'37	-7°44'19
minimum elong	-7081 Nov 28 j 13:40	16°♎56'36	7°44'25
max. Earth dist.	-7081 Dec 02 j 01:10	17°♎02'45	39.20188 AU
morning rise	-7081 Dec 11 j 21:09	17°♎20'00	
retrograde	-7080 Mar 12 j 02:17	18°♎53'26	
min. Earth dist.	-7080 May 30 j 16:07	17°♎47'10	37.34981 AU
opposition	-7080 Jun 03 j 02:54	17°♎42'33	-8°21'36
direct	-7080 Aug 22 j 00:27	16°♎33'41	
evening set	-7080 Nov 16 j 07:29	18°♎02'16	
conjunction	-7080 Nov 29 j 06:52	18°♎24'55	-8°07'23
minimum elong	-7080 Nov 29 j 06:39	18°♎24'54	8°07'29
max. Earth dist.	-7080 Dec 02 j 18:15	18°♎31'01	39.45691 AU
morning rise	-7080 Dec 12 j 08:35	18°♎47'45	
retrograde	-7079 Mar 13 j 20:11	20°♎21'01	
min. Earth dist.	-7079 Jun 01 j 10:46	19°♎15'00	37.60625 AU
opposition	-7079 Jun 04 j 20:56	19°♎10'26	-8°45'24
direct	-7079 Aug 23 j 18:31	18°♎01'54	
evening set	-7079 Nov 18 j 06:04	19°♎30'17	
conjunction	-7079 Nov 30 j 23:47	19°♎52'24	-8°29'52
minimum elong	-7079 Nov 30 j 23:33	19°♎52'23	8°30'00
max. Earth dist.	-7079 Dec 04 j 11:36	19°♎58'29	39.71051 AU
morning rise	-7079 Dec 13 j 19:25	20°♎14'39	
retrograde	-7078 Mar 15 j 10:56	21°♎47'46	
min. Earth dist.	-7078 Jun 03 j 04:32	20°♎42'01	37.86076 AU
opposition	-7078 Jun 06 j 14:28	20°♎37'29	-9°08'34
direct	-7078 Aug 25 j 14:12	19°♎29'14	
evening set	-7078 Nov 20 j 04:45	20°♎57'28	
conjunction	-7078 Dec 02 j 16:13	21°♎19'00	-8°51'46
minimum elong	-7078 Dec 02 j 16:00	21°♎18'59	8°51'53
max. Earth dist.	-7078 Dec 06 j 02:53	21°♎24'59	39.96181 AU
morning rise	-7078 Dec 15 j 05:50	21°♎40'41	
retrograde	-7077 Mar 17 j 02:33	23°♎13'40	
min. Earth dist.	-7077 Jun 04 j 21:46	22°♎08'11	38.11287 AU
opposition	-7077 Jun 08 j 07:44	22°♎03'39	-9°31'06
direct	-7077 Aug 27 j 07:43	20°♎55'42	
evening set	-7077 Nov 22 j 03:17	22°♎23'47	
conjunction	-7077 Dec 04 j 08:34	22°♎44'44	-9°13'05
minimum elong	-7077 Dec 04 j 08:20	22°♎44'43	9°13'14
max. Earth dist.	-7077 Dec 07 j 19:56	22°♎50'43	40.21035 AU
morning rise	-7077 Dec 16 j 15:42	23°♎05'49	
retrograde	-7076 Mar 17 j 17:18	24°♎38'41	
min. Earth dist.	-7076 Jun 05 j 15:46	23°♎33'21	38.36200 AU
opposition	-7076 Jun 09 j 00:25	23°♎28'55	-9°53'02
direct	-7076 Aug 28 j 01:23	22°♎21'13	
evening set	-7076 Nov 23 j 01:45	23°♎49'10	
conjunction	-7076 Dec 05 j 00:24	24°♎09'31	-9°33'51
minimum elong	-7076 Dec 05 j 00:10	24°♎09'30	9°33'59
max. Earth dist.	-7076 Dec 08 j 10:26	24°♎15'23	40.45603 AU
morning rise	-7076 Dec 17 j 00:51	24°♎30'01	
retrograde	-7075 Mar 19 j 10:25	26°♎02'45	
min. Earth dist.	-7075 Jun 07 j 07:26	24°♎57'41	38.60837 AU
opposition	-7075 Jun 10 j 16:46	24°♎53'14	-10°14'22
direct	-7075 Aug 29 j 16:10	23°♎45'45	
evening set	-7075 Nov 24 j 23:51	25°♎13'35	
conjunction	-7075 Dec 06 j 15:42	25°♎33'21	-9°54'02
minimum elong	-7075 Dec 06 j 15:28	25°♎33'19	9°54'11
max. Earth dist.	-7075 Dec 10 j 02:03	25°♎39'11	40.69899 AU
morning rise	-7075 Dec 18 j 09:22	25°♎53'14	
retrograde	-7074 Mar 21 j 02:08	27°♎25'52	
min. Earth dist.	-7074 Jun 09 j 00:51	26°♎20'55	38.85235 AU
opposition	-7074 Jun 12 j 08:51	26°♎16'33	-10°35'05
direct	-7074 Aug 31 j 08:01	25°♎09'18	
evening set	-7074 Nov 26 j 22:01	26°♎37'02	
conjunction	-7074 Dec 08 j 06:54	26°♎56'11	-10°13'38
minimum elong	-7074 Dec 08 j 06:41	26°♎56'10	10°13'48
max. Earth dist.	-7074 Dec 11 j 17:12	27°♎01'59	40.93991 AU
morning rise	-7074 Dec 19 j 17:17	27°♎15'27	
retrograde	-7073 Mar 22 j 16:40	28°♎47'59	
min. Earth dist.	-7073 Jun 10 j 15:49	27°♎43'15	39.09445 AU
opposition	-7073 Jun 14 j 00:11	27°♎38'53	-10°55'11
direct	-7073 Sep 02 j 00:51	26°♎31'50	
evening set	-7073 Nov 28 j 20:07	27°♎59'31	
conjunction	-7073 Dec 09 j 21:36	28°♎18'03	-10°32'41
minimum elong	-7073 Dec 09 j 21:21	28°♎18'02	10°32'52
max. Earth dist.	-7073 Dec 13 j 07:15	28°♎23'46	41.17915 AU
morning rise	-7073 Dec 21 j 00:45	28°♎36'41	
	-7072 Feb 24 j 20:48	0°♏	
retrograde	-7072 Mar 23 j 07:04	0°♏09'11	
	-7072 Apr 19 j 23:05	30°℞♎	
min. Earth dist.	-7072 Jun 11 j 07:12	29°♎04'37	39.33529 AU
opposition	-7072 Jun 14 j 15:21	29°♎00'17	-11°14'40
direct	-7072 Sep 02 j 16:35	27°♎53'27	
evening set	-7072 Nov 29 j 17:55	29°♎21'06	
conjunction	-7072 Dec 10 j 12:02	29°♎39'00	-10°51'08
minimum elong	-7072 Dec 10 j 11:48	29°♎38'59	10°51'20
max. Earth dist.	-7072 Dec 13 j 22:36	29°♎44'45	41.41728 AU
morning rise	-7072 Dec 21 j 07:27	29°♎57'00	
	-7072 Dec 23 j 03:03	0°♏	
retrograde	-7071 Mar 24 j 18:04	1°♏29'29	
min. Earth dist.	-7071 Jun 12 j 22:25	0°♏25'07	39.57495 AU
opposition	-7071 Jun 16 j 06:05	0°♏20'48	-11°33'32
	-7071 Jul 02 j 13:33	30°℞♎	
direct	-7071 Sep 04 j 09:48	29°♎14'12	
	-7071 Nov 04 j 09:29	0°♏	
evening set	-7071 Dec 01 j 15:51	0°♏41'50	
conjunction	-7071 Dec 12 j 02:06	0°♏59'06	-11°09'02
minimum elong	-7071 Dec 12 j 01:51	0°♏59'05	11°09'14
max. Earth dist.	-7071 Dec 15 j 11:35	1°♏04'46	41.65446 AU
morning rise	-7071 Dec 22 j 13:43	1°♏16'29	
retrograde	-7070 Mar 26 j 07:53	2°♏48'58	
min. Earth dist.	-7070 Jun 14 j 12:07	1°♏44'51	39.81377 AU
opposition	-7070 Jun 17 j 20:29	1°♏40'31	-11°51'48
direct	-7070 Sep 06 j 00:13	0°♏34'09	
evening set	-7070 Dec 03 j 13:35	2°♏01'49	
conjunction	-7070 Dec 13 j 15:57	2°♏18'27	-11°26'21
minimum elong	-7070 Dec 13 j 15:44	2°♏18'26	11°26'34
max. Earth dist.	-7070 Dec 17 j 02:20	2°♏24'08	41.89059 AU
morning rise	-7070 Dec 23 j 19:34	2°♏35'11	
retrograde	-7069 Mar 27 j 22:23	4°♏07'42	
min. Earth dist.	-7069 Jun 16 j 03:33	3°♏03'44	40.05131 AU
opposition	-7069 Jun 19 j 10:41	2°♏59'30	-12°09'29
direct	-7069 Sep 07 j 13:35	1°♏53'22	
evening set	-7069 Dec 05 j 11:29	3°♏21'06	
conjunction	-7069 Dec 15 j 05:37	3°♏37'05	-11°43'07
minimum elong	-7069 Dec 15 j 05:23	3°♏37'04	11°43'20
max. Earth dist.	-7069 Dec 18 j 15:18	3°♏42'41	42.12536 AU
morning rise	-7069 Dec 25 j 00:47	3°♏53'10	
retrograde	-7068 Mar 28 j 12:43	5°♏25'45	
min. Earth dist.	-7068 Jun 16 j 16:34	4°♏22'03	40.28717 AU
opposition	-7068 Jun 20 j 00:16	4°♏17'48	-12°26'34

Attention, astronomical year style is used: The year -7068 in astronomical counting style is the year 7069 BCE in historical counting style.

direct	-7068 Sep 08 j 02:16	3°♏11'55	
evening set	-7068 Dec 06 j 09:19	4°♏39'45	
conjunction	-7068 Dec 15 j 18:55	4°♏55'05	-11°59'21
minimum elong	-7068 Dec 15 j 18:41	4°♏55'04	11°59'36
max. Earth dist.	-7068 Dec 19 j 04:07	5°♏00'37	42.35813 AU
morning rise	-7068 Dec 25 j 05:38	5°♏10'29	
retrograde	-7067 Mar 30 j 02:35	6°♏43'11	
min. Earth dist.	-7067 Jun 18 j 07:17	5°♏39'40	40.52089 AU
opposition	-7067 Jun 21 j 13:53	5°♏35'29	-12°43'06
direct	-7067 Sep 09 j 15:45	4°♏29'51	
evening set	-7067 Dec 08 j 07:06	5°♏57'49	
conjunction	-7067 Dec 17 j 08:03	6°♏12'29	-12°15'04
minimum elong	-7067 Dec 17 j 07:49	6°♏12'28	12°15'18
max. Earth dist.	-7067 Dec 20 j 17:31	6°♏18'00	42.58848 AU
morning rise	-7067 Dec 26 j 09:48	6°♏27'12	
retrograde	-7066 Mar 31 j 13:19	8°♏00'02	
min. Earth dist.	-7066 Jun 19 j 21:10	6°♏56'43	40.75163 AU
opposition	-7066 Jun 23 j 03:06	6°♏52'35	-12°59'05
direct	-7066 Sep 11 j 07:27	5°♏47'11	
evening set	-7066 Dec 10 j 05:15	7°♏15'18	
conjunction	-7066 Dec 18 j 21:02	7°♏29'17	-12°30'16
minimum elong	-7066 Dec 18 j 20:48	7°♏29'16	12°30'31
max. Earth dist.	-7066 Dec 22 j 04:49	7°♏34'40	42.81554 AU
morning rise	-7066 Dec 27 j 13:42	7°♏43'19	
retrograde	-7065 Apr 02 j 02:22	9°♏16'18	
min. Earth dist.	-7065 Jun 21 j 10:23	8°♏13'11	40.97894 AU
opposition	-7065 Jun 24 j 15:59	8°♏09'05	-13°14'32
direct	-7065 Sep 12 j 20:25	7°♏03'54	
evening set	-7065 Dec 12 j 03:23	8°♏32'12	
conjunction	-7065 Dec 20 j 09:54	8°♏45'29	-12°44'58
minimum elong	-7065 Dec 20 j 09:41	8°♏45'28	12°45'13
max. Earth dist.	-7065 Dec 23 j 17:49	8°♏50'51	43.03885 AU
morning rise	-7065 Dec 28 j 17:06	8°♏58'50	
retrograde	-7064 Apr 02 j 13:26	10°♏31'58	
min. Earth dist.	-7064 Jun 22 j 00:52	9°♏28'58	41.20220 AU
opposition	-7064 Jun 25 j 04:42	9°♏24'58	-13°29'29
direct	-7064 Sep 13 j 10:33	8°♏20'00	
evening set	-7064 Dec 13 j 01:38	9°♏48'29	
conjunction	-7064 Dec 20 j 22:20	10°♏01'03	-12°59'12
minimum elong	-7064 Dec 20 j 22:07	10°♏01'03	12°59'28
max. Earth dist.	-7064 Dec 24 j 04:41	10°♏06'18	43.25822 AU
morning rise	-7064 Dec 28 j 19:35	10°♏13'41	
retrograde	-7063 Apr 04 j 03:21	11°♏47'00	
min. Earth dist.	-7063 Jun 23 j 13:05	10°♏44'12	41.42150 AU
opposition	-7063 Jun 26 j 17:03	10°♏40'12	-13°43'56
direct	-7063 Sep 14 j 21:32	9°♏35'26	
evening set	-7063 Dec 14 j 23:58	11°♏04'07	
conjunction	-7063 Dec 22 j 10:31	11°♏15'58	-13°12'57
minimum elong	-7063 Dec 22 j 10:18	11°♏15'57	13°13'12
max. Earth dist.	-7063 Dec 25 j 16:25	11°♏21'08	43.47374 AU
morning rise	-7063 Dec 29 j 21:38	11°♏27'51	
retrograde	-7062 Apr 05 j 17:25	13°♏01'23	
min. Earth dist.	-7062 Jun 25 j 02:49	11°♏58'39	41.63726 AU
opposition	-7062 Jun 28 j 05:11	11°♏54'46	-13°57'52
direct	-7062 Sep 16 j 07:31	10°♏50'10	
evening set	-7062 Dec 16 j 22:35	12°♏19'06	
conjunction	-7062 Dec 23 j 22:34	12°♏30'12	-13°26'12
minimum elong	-7062 Dec 23 j 22:22	12°♏30'11	13°26'30
max. Earth dist.	-7062 Dec 27 j 04:13	12°♏35'20	43.68606 AU
morning rise	-7062 Dec 30 j 22:53	12°♏41'19	
retrograde	-7061 Apr 07 j 03:04	14°♏15'05	
min. Earth dist.	-7061 Jun 26 j 14:46	13°♏12'31	41.84986 AU
opposition	-7061 Jun 29 j 16:53	13°♏08'39	-14°11'18
direct	-7061 Sep 17 j 21:35	12°♏04'13	
evening set	-7061 Dec 18 j 21:28	13°♏33'27	
conjunction	-7061 Dec 25 j 10:13	13°♏43'45	-13°38'59
minimum elong	-7061 Dec 25 j 10:01	13°♏43'44	13°39'17
max. Earth dist.	-7061 Dec 28 j 14:26	13°♏48'46	43.89551 AU
morning rise	-7061 Dec 31 j 23:21	13°♏54'05	
	-7060 Feb 17 j 14:04	15°♏	
retrograde	-7060 Apr 07 j 12:57	15°♏28'07	
	-7060 May 28 j 14:48	15°℞♏	
min. Earth dist.	-7060 Jun 27 j 02:38	14°♏25'42	42.06003 AU
opposition	-7060 Jun 30 j 04:18	14°♏21'52	-14°24'13
direct	-7060 Sep 18 j 10:32	13°♏17'36	
evening set	-7060 Dec 19 j 20:37	14°♏47'11	
conjunction	-7060 Dec 25 j 21:44	14°♏56'41	-13°51'17
minimum elong	-7060 Dec 25 j 21:32	14°♏56'40	13°51'35
	-7060 Dec 28 j 00:23	15°♏	
max. Earth dist.	-7060 Dec 29 j 02:40	15°♏01'43	44.10277 AU
morning rise	-7060 Dec 31 j 23:01	15°♏06'11	
retrograde	-7059 Apr 08 j 21:26	16°♏40'33	
min. Earth dist.	-7059 Jun 28 j 15:01	15°♏38'15	42.26802 AU
opposition	-7059 Jul 01 j 15:32	15°♏34'29	-14°36'37
	-7059 Jul 30 j 19:45	15°℞♏	
direct	-7059 Sep 20 j 00:27	14°♏30'25	
	-7059 Nov 08 j 15:40	15°♏	
evening set	-7059 Dec 21 j 20:19	16°♏00'23	
conjunction	-7059 Dec 27 j 08:50	16°♏09'01	-14°03'05
minimum elong	-7059 Dec 27 j 08:39	16°♏09'00	14°03'23
max. Earth dist.	-7059 Dec 30 j 12:27	16°♏13'57	44.30811 AU
morning rise	-7058 Jan 01 j 21:30	16°♏17'40	
retrograde	-7058 Apr 10 j 09:00	17°♏52'25	
min. Earth dist.	-7058 Jun 30 j 01:24	16°♏50'20	42.47409 AU
opposition	-7058 Jul 03 j 02:30	16°♏46'33	-14°48'31
direct	-7058 Sep 21 j 11:04	15°♏42'39	
evening set	-7058 Dec 23 j 20:46	17°♏13'06	
conjunction	-7058 Dec 28 j 19:53	17°♏20'49	-14°14'25
minimum elong	-7058 Dec 28 j 19:42	17°♏20'48	14°14'44
max. Earth dist.	-7058 Dec 31 j 23:31	17°♏25'43	44.51144 AU
morning rise	-7057 Jan 02 j 19:04	17°♏28'33	
retrograde	-7057 Apr 11 j 21:19	19°♏03'46	
min. Earth dist.	-7057 Jul 01 j 13:43	18°♏01'48	42.67808 AU
opposition	-7057 Jul 04 j 13:12	17°♏58'06	-14°59'56
direct	-7057 Sep 22 j 20:31	16°♏54'24	
evening set	-7057 Dec 25 j 22:36	18°♏25'25	
conjunction	-7057 Dec 30 j 06:51	18°♏32'09	-14°25'17
minimum elong	-7057 Dec 30 j 06:42	18°♏32'08	14°25'36
max. Earth dist.	-7056 Jan 02 j 10:01	18°♏37'00	44.71270 AU
morning rise	-7056 Jan 03 j 15:05	18°♏38'53	
retrograde	-7056 Apr 12 j 09:39	20°♏14'38	
min. Earth dist.	-7056 Jul 02 j 00:09	19°♏12'52	42.87960 AU
opposition	-7056 Jul 04 j 23:38	19°♏09'12	-15°10'51
direct	-7056 Sep 23 j 05:37	18°♏05'41	
evening set	-7056 Dec 27 j 01:55	19°♏37'24	
conjunction	-7056 Dec 30 j 17:20	19°♏43'02	-14°35'42
minimum elong	-7056 Dec 30 j 17:09	19°♏43'01	14°36'02
morning rise	-7055 Jan 03 j 08:38	19°♏48'39	
max. Earth dist.	-7055 Jan 02 j 19:15	19°♏47'47	44.91124 AU
retrograde	-7055 Apr 13 j 20:59	21°♏25'06	
min. Earth dist.	-7055 Jul 03 j 11:30	20°♏23'28	43.07828 AU

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

opposition	-7055 Jul	06 j 10:01	20°♏19'52	-15°21'19
direct	-7055 Sep	24 j 15:14	19°♏16'32	
evening set	-7055 Dec	29 j 08:57	20°♏49'12	
conjunction	-7054 Jan	01 j 04:01	20°♏53'30	-14°45'40
minimum elong	-7054 Jan	01 j 03:52	20°♏53'29	14°46'01
morning rise	-7054 Jan	03 j 22:55	20°♏57'47	
max. Earth dist.	-7054 Jan	04 j 06:06	20°♏58'15	45.10666 AU
retrograde	-7054 Apr	15 j 03:42	22°♏35'09	
min. Earth dist.	-7054 Jul	04 j 22:56	21°♏33'39	43.27331 AU
opposition	-7054 Jul	07 j 20:04	21°♏30'06	-15°31'19
direct	-7054 Sep	26 j 04:33	20°♏26'58	
evening set	-7053 Jan	01 j 00:33	22°♏01'07	
conjunction	-7053 Jan	02 j 14:29	22°♏03'32	-14°55'14
minimum elong	-7053 Jan	02 j 14:19	22°♏03'32	14°55'34
morning rise	-7053 Jan	04 j 04:09	22°♏05'57	
max. Earth dist.	-7053 Jan	05 j 14:25	22°♏08'08	45.29822 AU
retrograde	-7053 Apr	16 j 13:05	23°♏44'46	
min. Earth dist.	-7053 Jul	06 j 09:13	22°♏43'26	43.46417 AU
opposition	-7053 Jul	09 j 05:59	22°♏39'56	-15°40'55
direct	-7053 Sep	27 j 15:44	21°♏36'57	
conjunction	-7052 Jan	04 j 00:53	23°♏13'09	-15°04'24
minimum elong	-7052 Jan	04 j 00:44	23°♏13'08	15°04'45
max. Earth dist.	-7052 Jan	07 j 00:24	23°♏17'41	45.48520 AU
retrograde	-7052 Apr	16 j 23:23	24°♏53'58	
min. Earth dist.	-7052 Jul	06 j 21:12	23°♏52'40	43.65023 AU
opposition	-7052 Jul	09 j 15:43	23°♏49'17	-15°50'06
direct	-7052 Sep	28 j 01:38	22°♏46'28	
conjunction	-7051 Jan	04 j 11:06	24°♏22'16	-15°13'10
minimum elong	-7051 Jan	04 j 10:56	24°♏22'15	15°13'30
max. Earth dist.	-7051 Jan	07 j 09:11	24°♏26'42	45.66754 AU
retrograde	-7051 Apr	18 j 09:44	26°♏02'39	
min. Earth dist.	-7051 Jul	08 j 06:54	25°♏01'30	43.83148 AU
opposition	-7051 Jul	11 j 01:12	24°♏58'08	-15°58'52
direct	-7051 Sep	29 j 10:40	23°♏55'27	
conjunction	-7050 Jan	05 j 20:53	25°♏30'51	-15°21'33
minimum elong	-7050 Jan	05 j 20:45	25°♏30'51	15°21'55
max. Earth dist.	-7050 Jan	08 j 17:25	25°♏35'10	45.84513 AU
retrograde	-7050 Apr	19 j 20:34	27°♏10'49	
min. Earth dist.	-7050 Jul	09 j 17:58	26°♏09'43	44.00826 AU
opposition	-7050 Jul	12 j 10:38	26°♏06'26	-16°07'15
direct	-7050 Sep	30 j 19:22	25°♏03'52	
conjunction	-7049 Jan	07 j 06:47	26°♏38'54	-15°29'32
minimum elong	-7049 Jan	07 j 06:39	26°♏38'53	15°29'54
max. Earth dist.	-7049 Jan	10 j 03:13	26°♏43'11	46.01854 AU
retrograde	-7049 Apr	21 j 03:24	28°♏18'26	
min. Earth dist.	-7049 Jul	11 j 04:03	27°♏17'24	44.18093 AU
opposition	-7049 Jul	13 j 19:33	27°♏14'11	-16°15'13
direct	-7049 Oct	02 j 07:00	26°♏11'44	
conjunction	-7048 Jan	08 j 16:18	27°♏46'23	-15°37'08
minimum elong	-7048 Jan	08 j 16:11	27°♏46'23	15°37'31
max. Earth dist.	-7048 Jan	11 j 10:48	27°♏50'33	46.18825 AU
retrograde	-7048 Apr	21 j 11:56	29°♏25'31	
min. Earth dist.	-7048 Jul	11 j 13:09	28°♏24'37	44.35028 AU
opposition	-7048 Jul	14 j 04:24	28°♏21'25	-16°22'46
direct	-7048 Oct	02 j 16:26	27°♏19'05	
conjunction	-7047 Jan	09 j 01:32	28°♏53'22	-15°44'20
minimum elong	-7047 Jan	09 j 01:26	28°♏53'22	15°44'42
max. Earth dist.	-7047 Jan	11 j 20:08	28°♏57'32	46.35480 AU
	-7047 Feb	26 j 22:40	0°♐	
retrograde	-7047 Apr	22 j 19:21	0°♐32'08	
	-7047 Jun	17 j 22:16	30°℞♏	
min. Earth dist.	-7047 Jul	12 j 23:33	29°♏31'17	44.51661 AU
opposition	-7047 Jul	15 j 13:09	29°♏28'10	-16°29'55
direct	-7047 Oct	04 j 03:01	28°♏25'58	
conjunction	-7046 Jan	10 j 10:46	29°♏59'55	-15°51'08
minimum elong	-7046 Jan	10 j 10:40	29°♏59'55	15°51'31
	-7046 Jan	10 j 12:05	0°♐	
max. Earth dist.	-7046 Jan	13 j 04:16	0°♐03'59	46.51874 AU
retrograde	-7046 Apr	24 j 05:49	1°♐38'19	
min. Earth dist.	-7046 Jul	14 j 07:47	0°♐37'36	44.68028 AU
opposition	-7046 Jul	16 j 21:31	0°♐34'30	-16°36'38
	-7046 Aug	16 j 04:58	30°℞♏	
direct	-7046 Oct	05 j 10:09	29°♏32'26	
	-7046 Nov	23 j 13:59	0°♐	
conjunction	-7045 Jan	11 j 19:47	1°♐06'05	-15°57'32
minimum elong	-7045 Jan	11 j 19:42	1°♐06'04	15°57'54
max. Earth dist.	-7045 Jan	14 j 12:17	1°♐10'04	46.68000 AU
retrograde	-7045 Apr	25 j 16:44	2°♐44'07	
min. Earth dist.	-7045 Jul	15 j 17:37	1°♐43'30	44.84132 AU
opposition	-7045 Jul	18 j 05:56	1°♐40'29	-16°42'57
direct	-7045 Oct	06 j 16:05	0°♐38'33	
conjunction	-7044 Jan	13 j 04:46	2°♐11'54	-16°03'32
minimum elong	-7044 Jan	13 j 04:40	2°♐11'54	16°03'56
max. Earth dist.	-7044 Jan	15 j 21:12	2°♐15'52	46.83862 AU
retrograde	-7044 Apr	25 j 23:11	3°♐49'37	
min. Earth dist.	-7044 Jul	16 j 02:22	2°♐49'07	44.99935 AU
opposition	-7044 Jul	18 j 13:57	2°♐46'09	-16°48'52
direct	-7044 Oct	07 j 02:25	1°♐44'22	
conjunction	-7043 Jan	13 j 13:27	3°♐17'27	-16°09'10
minimum elong	-7043 Jan	13 j 13:23	3°♐17'26	16°09'34
max. Earth dist.	-7043 Jan	16 j 03:56	3°♐21'17	46.99423 AU
retrograde	-7043 Apr	27 j 06:20	4°♐54'50	
min. Earth dist.	-7043 Jul	17 j 10:56	3°♐54'30	45.15424 AU
opposition	-7043 Jul	19 j 21:58	3°♐51'33	-16°54'23
direct	-7043 Oct	08 j 11:44	2°♐49'55	
conjunction	-7042 Jan	14 j 22:07	4°♐22'44	-16°14'26
minimum elong	-7042 Jan	14 j 22:01	4°♐22'44	16°14'51
max. Earth dist.	-7042 Jan	17 j 12:34	4°♐26'34	47.14632 AU
retrograde	-7042 Apr	28 j 13:12	5°♐59'50	
min. Earth dist.	-7042 Jul	18 j 20:56	4°♐59'33	45.30517 AU
opposition	-7042 Jul	21 j 05:53	4°♐56'43	-16°59'33
direct	-7042 Oct	09 j 21:38	3°♐55'14	
conjunction	-7041 Jan	16 j 06:50	5°♐27'47	-16°19'21
minimum elong	-7041 Jan	16 j 06:47	5°♐27'47	16°19'46
max. Earth dist.	-7041 Jan	18 j 19:29	5°♐31'30	47.29429 AU
retrograde	-7041 Apr	29 j 22:23	7°♐04'35	
min. Earth dist.	-7041 Jul	20 j 04:46	6°♐04'27	45.45159 AU
opposition	-7041 Jul	22 j 13:24	6°♐01'38	-17°04'22
direct	-7041 Oct	11 j 04:52	5°♐00'17	
conjunction	-7040 Jan	17 j 15:22	6°♐32'34	-16°23'57
minimum elong	-7040 Jan	17 j 15:17	6°♐32'34	16°24'21
max. Earth dist.	-7040 Jan	20 j 02:25	6°♐36'10	47.43742 AU
retrograde	-7040 Apr	30 j 08:57	8°♐09'04	
min. Earth dist.	-7040 Jul	20 j 14:37	7°♐08'57	45.59305 AU
opposition	-7040 Jul	22 j 21:05	7°♐06'16	-17°08'51
direct	-7040 Oct	11 j 10:37	6°♐05'01	
conjunction	-7039 Jan	17 j 23:45	7°♐37'02	-16°28'13
minimum elong	-7039 Jan	17 j 23:43	7°♐37'02	16°28'38

Attention, astronomical year style is used: The year -7039 in astronomical counting style is the year 7040 BCE in historical counting style.

max. Earth dist.	-7039 Jan 20 j 10:11	7°↗40'35	47.57559 AU
retrograde	-7039 May 01 j 16:56	9°↗13'13	
min. Earth dist.	-7039 Jul 21 j 23:04	8°↗13'10	45.72929 AU
opposition	-7039 Jul 24 j 04:31	8°↗10'32	-17°13'00
direct	-7039 Oct 12 j 18:10	7°↗09'23	
conjunction	-7038 Jan 19 j 07:58	8°↗41'08	-16°32'10
minimum elong	-7038 Jan 19 j 07:55	8°↗41'08	16°32'35
max. Earth dist.	-7038 Jan 21 j 16:00	8°↗44'32	47.70875 AU
retrograde	-7038 May 03 j 00:47	10°↗16'59	
min. Earth dist.	-7038 Jul 23 j 07:19	9°↗17'00	45.86080 AU
opposition	-7038 Jul 25 j 11:44	9°↗14'25	-17°16'49
direct	-7038 Oct 14 j 01:45	8°↗13'21	
conjunction	-7037 Jan 20 j 16:13	9°↗44'49	-16°35'48
minimum elong	-7037 Jan 20 j 16:11	9°↗44'49	16°36'14
max. Earth dist.	-7037 Jan 22 j 23:57	9°↗48'11	47.83734 AU
retrograde	-7037 May 04 j 03:58	11°↗20'21	
min. Earth dist.	-7037 Jul 24 j 16:21	10°↗20'22	45.98787 AU
opposition	-7037 Jul 26 j 18:51	10°↗17'52	-17°20'18
direct	-7037 Oct 15 j 13:00	9°↗16'53	
conjunction	-7036 Jan 22 j 00:08	10°↗48'04	-16°39'05
minimum elong	-7036 Jan 22 j 00:06	10°↗48'04	16°39'31
max. Earth dist.	-7036 Jan 24 j 06:09	10°↗51'19	47.96198 AU
retrograde	-7036 May 04 j 10:57	12°↗23'17	
min. Earth dist.	-7036 Jul 24 j 23:13	11°↗23'23	46.11126 AU
opposition	-7036 Jul 27 j 01:38	11°↗20'54	-17°23'26
direct	-7036 Oct 15 j 21:03	10°↗19'59	
conjunction	-7035 Jan 22 j 07:53	11°↗50'54	-16°42'03
minimum elong	-7035 Jan 22 j 07:52	11°↗50'54	16°42'30
max. Earth dist.	-7035 Jan 24 j 13:02	11°↗54'06	48.08319 AU
retrograde	-7035 May 05 j 20:31	13°↗25'49	
min. Earth dist.	-7035 Jul 26 j 07:52	12°↗25'56	46.23155 AU
opposition	-7035 Jul 28 j 08:29	12°↗23'32	-17°26'14
direct	-7035 Oct 17 j 02:03	11°↗22'41	
conjunction	-7034 Jan 23 j 15:35	12°↗53'22	-16°44'40
minimum elong	-7034 Jan 23 j 15:34	12°↗53'22	16°45'05
max. Earth dist.	-7034 Jan 25 j 20:24	12°↗56'31	48.20163 AU
retrograde	-7034 May 07 j 03:08	14°↗27'59	
min. Earth dist.	-7034 Jul 27 j 14:45	13°↗28'11	46.34894 AU
opposition	-7034 Jul 29 j 15:04	13°↗25'49	-17°28'40
direct	-7034 Oct 18 j 09:20	12°↗25'02	
conjunction	-7033 Jan 24 j 23:08	13°↗55'29	-16°46'56
minimum elong	-7033 Jan 24 j 23:07	13°↗55'29	16°47'23
max. Earth dist.	-7033 Jan 27 j 02:00	13°↗58'31	48.31730 AU
retrograde	-7033 May 08 j 10:27	15°↗29'50	
min. Earth dist.	-7033 Jul 28 j 22:06	14°↗30'05	46.46370 AU
opposition	-7033 Jul 30 j 21:32	14°↗27'46	-17°30'44
direct	-7033 Oct 19 j 15:36	13°↗27'05	
conjunction	-7032 Jan 26 j 06:40	14°↗57'20	-16°48'52
minimum elong	-7032 Jan 26 j 06:41	14°↗57'20	16°49'18
max. Earth dist.	-7032 Jan 28 j 09:44	15°↗00'22	48.43029 AU
retrograde	-7032 May 08 j 14:52	16°↗31'25	
min. Earth dist.	-7032 Jul 29 j 06:04	15°↗31'44	46.57552 AU
opposition	-7032 Jul 31 j 03:59	15°↗29'29	-17°32'29
direct	-7032 Oct 20 j 00:43	14°↗28'54	
conjunction	-7031 Jan 26 j 13:52	15°↗58'56	-16°50'29
minimum elong	-7031 Jan 26 j 13:52	15°↗58'56	16°50'56
max. Earth dist.	-7031 Jan 28 j 15:15	16°↗01'52	48.54040 AU
retrograde	-7031 May 09 j 21:20	17°↗32'48	
min. Earth dist.	-7031 Jul 30 j 12:25	16°↗33'14	46.68420 AU
opposition	-7031 Aug 01 j 10:16	16°↗31'00	-17°33'53
direct	-7031 Oct 21 j 07:43	15°↗30'31	
conjunction	-7030 Jan 27 j 21:13	17°↗00'23	-16°51'46
minimum elong	-7030 Jan 27 j 21:14	17°↗00'23	16°52'13
max. Earth dist.	-7030 Jan 29 j 21:32	17°↗03'14	48.64700 AU
retrograde	-7030 May 11 j 05:33	18°↗34'01	
min. Earth dist.	-7030 Jul 31 j 20:50	17°↗34'29	46.78909 AU
opposition	-7030 Aug 02 j 16:29	17°↗32'21	-17°34'58
direct	-7030 Oct 22 j 13:23	16°↗31'59	
conjunction	-7029 Jan 29 j 04:41	18°↗01'40	-16°52'46
minimum elong	-7029 Jan 29 j 04:41	18°↗01'40	16°53'13
max. Earth dist.	-7029 Jan 31 j 04:10	18°↗04'28	48.74960 AU
retrograde	-7029 May 12 j 13:46	19°↗35'05	
min. Earth dist.	-7029 Aug 02 j 03:45	18°↗35'38	46.88945 AU
opposition	-7029 Aug 03 j 22:34	18°↗33'33	-17°35'46
direct	-7029 Oct 23 j 18:30	17°↗33'16	
conjunction	-7028 Jan 30 j 11:51	19°↗02'48	-16°53'28
minimum elong	-7028 Jan 30 j 11:53	19°↗02'48	16°53'56
max. Earth dist.	-7028 Feb 01 j 08:53	19°↗05'27	48.84736 AU
retrograde	-7028 May 12 j 21:57	20°↗36'00	
min. Earth dist.	-7028 Aug 02 j 11:15	19°↗36'35	46.98485 AU
opposition	-7028 Aug 04 j 04:38	19°↗34'35	-17°36'16
direct	-7028 Oct 23 j 23:33	18°↗34'24	
conjunction	-7027 Jan 30 j 19:08	20°↗03'45	-16°53'55
minimum elong	-7027 Jan 30 j 19:09	20°↗03'45	16°54'22
max. Earth dist.	-7027 Feb 01 j 15:34	20°↗06'22	48.94004 AU
retrograde	-7027 May 14 j 01:16	21°↗36'44	
min. Earth dist.	-7027 Aug 03 j 19:10	20°↗37'20	47.07494 AU
opposition	-7027 Aug 05 j 10:37	20°↗35'25	-17°36'30
direct	-7027 Oct 25 j 08:41	19°↗35'18	
conjunction	-7026 Feb 01 j 02:11	21°↗04'29	-16°54'05
minimum elong	-7026 Feb 01 j 02:14	21°↗04'29	16°54'32
max. Earth dist.	-7026 Feb 02 j 20:23	21°↗06'57	49.02764 AU
retrograde	-7026 May 15 j 06:33	22°↗37'14	
min. Earth dist.	-7026 Aug 05 j 01:32	21°↗37'54	47.15999 AU
opposition	-7026 Aug 06 j 16:25	21°↗36'01	-17°36'27
direct	-7026 Oct 26 j 16:29	20°↗35'57	
conjunction	-7025 Feb 02 j 09:13	22°↗04'57	-16°53'58
minimum elong	-7025 Feb 02 j 09:15	22°↗04'57	16°54'25
max. Earth dist.	-7025 Feb 04 j 02:08	22°↗07'21	49.11026 AU
retrograde	-7025 May 16 j 14:26	23°↗37'29	
min. Earth dist.	-7025 Aug 06 j 09:30	22°↗38'08	47.24038 AU
opposition	-7025 Aug 07 j 22:05	22°↗36'21	-17°36'07
direct	-7025 Oct 27 j 21:41	21°↗36'21	
conjunction	-7024 Feb 03 j 16:11	23°↗05'10	-16°53'35
minimum elong	-7024 Feb 03 j 16:14	23°↗05'11	16°54'03
max. Earth dist.	-7024 Feb 05 j 08:18	23°↗07'31	49.18871 AU
retrograde	-7024 May 16 j 20:51	24°↗37'29	
min. Earth dist.	-7024 Aug 06 j 15:25	23°↗38'11	47.31672 AU
opposition	-7024 Aug 08 j 03:36	23°↗36'26	-17°35'29
direct	-7024 Oct 28 j 02:57	22°↗36'28	
conjunction	-7023 Feb 03 j 22:42	24°↗05'08	-16°52'54
minimum elong	-7023 Feb 03 j 22:45	24°↗05'08	16°53'21
max. Earth dist.	-7023 Feb 05 j 12:47	24°↗07'21	49.26339 AU
retrograde	-7023 May 18 j 04:19	25°↗37'14	
min. Earth dist.	-7023 Aug 07 j 22:12	24°↗37'57	47.38968 AU
opposition	-7023 Aug 09 j 09:10	24°↗36'16	-17°34'34
direct	-7023 Oct 29 j 07:31	23°↗36'20	

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

conjunction	-7022 Feb 05 j 05:30	25°♐04'52	-16°51'55
minimum elong	-7022 Feb 05 j 05:34	25°♐04'53	16°52'23
max. Earth dist.	-7022 Feb 06 j 19:40	25°♐07'05	49.33489 AU
retrograde	-7022 May 19 j 07:32	26°♐36'46	
min. Earth dist.	-7022 Aug 09 j 04:59	25°♐37'30	47.45944 AU
opposition	-7022 Aug 10 j 14:30	25°♐35'53	-17°33'19
direct	-7022 Oct 30 j 15:52	24°♐36'01	
conjunction	-7021 Feb 06 j 12:08	26°♐04'24	-16°50'39
minimum elong	-7021 Feb 06 j 12:12	26°♐04'25	16°51'06
max. Earth dist.	-7021 Feb 08 j 00:23	26°♐06'31	49.40349 AU
retrograde	-7021 May 20 j 12:27	27°♐36'08	
min. Earth dist.	-7021 Aug 10 j 10:20	26°♐36'56	47.52632 AU
opposition	-7021 Aug 11 j 19:48	26°♐35'20	-17°31'47
direct	-7021 Oct 31 j 22:19	25°♐35'31	
conjunction	-7020 Feb 07 j 18:36	27°♐03'47	-16°49'04
minimum elong	-7020 Feb 07 j 18:40	27°♐03'48	16°49'33
max. Earth dist.	-7020 Feb 09 j 06:01	27°♐05'51	49.46908 AU
retrograde	-7020 May 20 j 18:22	28°♐35'22	
min. Earth dist.	-7020 Aug 10 j 17:40	27°♐36'10	47.59014 AU
opposition	-7020 Aug 12 j 01:08	27°♐34'39	-17°29'56
direct	-7020 Nov 01 j 04:41	26°♐34'55	
conjunction	-7019 Feb 08 j 01:10	28°♐03'04	-16°47'12
minimum elong	-7019 Feb 08 j 01:15	28°♐03'05	16°47'40
max. Earth dist.	-7019 Feb 09 j 11:57	28°♐05'05	49.53172 AU
retrograde	-7019 May 22 j 02:24	29°♐34'29	
min. Earth dist.	-7019 Aug 11 j 23:08	28°♐35'23	47.65063 AU
opposition	-7019 Aug 13 j 06:13	28°♐33'53	-17°27'48
direct	-7019 Nov 02 j 08:25	27°♐34'13	
conjunction	-7018 Feb 09 j 07:34	29°♐02'17	-16°45'04
minimum elong	-7018 Feb 09 j 07:39	29°♐02'17	16°45'33
max. Earth dist.	-7018 Feb 10 j 16:08	29°♐04'09	49.59075 AU
	-7018 Mar 26 j 08:24	0°♑	
retrograde	-7018 May 23 j 11:28	0°♑33'32	
	-7018 Jul 21 j 04:32	30°℞♐	
min. Earth dist.	-7018 Aug 13 j 05:55	29°♐34'27	47.70727 AU
opposition	-7018 Aug 14 j 11:25	29°♐33'02	-17°25'23
direct	-7018 Nov 03 j 10:42	28°♐33'26	
	-7017 Feb 09 j 13:44	0°♑	
conjunction	-7017 Feb 10 j 14:14	0°♑01'25	-16°42'40
minimum elong	-7017 Feb 10 j 14:21	0°♑01'25	16°43'08
max. Earth dist.	-7017 Feb 11 j 22:21	0°♑03'16	49.64552 AU
retrograde	-7017 May 24 j 15:16	1°♑32'31	
opposition	-7017 Aug 15 j 16:26	0°♑32'07	-17°22'42
min. Earth dist.	-7017 Aug 14 j 12:42	0°♑33'27	47.75917 AU
	-7017 Sep 14 j 03:03	30°℞♐	
direct	-7017 Nov 04 j 18:03	29°♐32'34	
	-7017 Dec 25 j 18:20	0°♑	
conjunction	-7016 Feb 11 j 20:44	1°♑00'27	-16°40'00
minimum elong	-7016 Feb 11 j 20:49	1°♑00'28	16°40'28
max. Earth dist.	-7016 Feb 13 j 02:23	1°♑02'10	49.69544 AU
retrograde	-7016 May 24 j 18:48	2°♑31'25	
opposition	-7016 Aug 15 j 21:30	1°♑31'06	-17°19'46
min. Earth dist.	-7016 Aug 14 j 18:33	1°♑32'23	47.80597 AU
direct	-7016 Nov 05 j 01:41	0°♑31'35	
conjunction	-7015 Feb 12 j 03:05	1°♑59'22	-16°37'07
minimum elong	-7015 Feb 12 j 03:12	1°♑59'23	16°37'35
max. Earth dist.	-7015 Feb 13 j 07:22	2°♑01'00	49.73993 AU
retrograde	-7015 May 26 j 00:08	3°♑30'12	
min. Earth dist.	-7015 Aug 16 j 02:11	2°♑31'06	47.84721 AU
opposition	-7015 Aug 17 j 02:39	2°♑29'56	-17°16'36
direct	-7015 Nov 06 j 08:14	1°♑30'27	
conjunction	-7014 Feb 13 j 09:36	2°♑58'07	-16°33'59
minimum elong	-7014 Feb 13 j 09:42	2°♑58'08	16°34'26
max. Earth dist.	-7014 Feb 14 j 12:30	2°♑59'40	49.77906 AU
retrograde	-7014 May 27 j 06:12	4°♑28'47	
min. Earth dist.	-7014 Aug 17 j 07:40	3°♑29'42	47.88303 AU
opposition	-7014 Aug 18 j 07:27	3°♑28'34	-17°13'11
direct	-7014 Nov 07 j 13:14	2°♑29'05	
conjunction	-7013 Feb 14 j 15:56	3°♑56'39	-16°30'36
minimum elong	-7013 Feb 14 j 16:04	3°♑56'40	16°31'05
max. Earth dist.	-7013 Feb 15 j 16:23	3°♑58'03	49.81294 AU
retrograde	-7013 May 28 j 13:52	5°♑27'09	
opposition	-7013 Aug 19 j 12:22	4°♑26'58	-17°09'31
min. Earth dist.	-7013 Aug 18 j 14:26	4°♑28'01	47.91395 AU
direct	-7013 Nov 08 j 16:47	3°♑27'30	
conjunction	-7012 Feb 15 j 22:11	4°♑54'58	-16°26'59
minimum elong	-7012 Feb 15 j 22:18	4°♑54'58	16°27'27
max. Earth dist.	-7012 Feb 16 j 22:19	4°♑56'21	49.84218 AU
retrograde	-7012 May 28 j 17:36	6°♑25'18	
opposition	-7012 Aug 19 j 17:08	5°♑25'09	-17°05'35
min. Earth dist.	-7012 Aug 18 j 20:37	5°♑26'08	47.94041 AU
direct	-7012 Nov 08 j 23:34	4°♑25'40	
conjunction	-7011 Feb 16 j 04:16	5°♑53'03	-16°23'05
minimum elong	-7011 Feb 16 j 04:24	5°♑53'03	16°23'35
max. Earth dist.	-7011 Feb 17 j 02:18	5°♑54'19	49.86748 AU
retrograde	-7011 May 29 j 22:07	7°♑23'15	
opposition	-7011 Aug 20 j 21:43	6°♑23'07	-17°01'23
min. Earth dist.	-7011 Aug 20 j 01:36	6°♑24'05	47.96326 AU
direct	-7011 Nov 10 j 05:20	5°♑23'39	
conjunction	-7010 Feb 17 j 10:22	6°♑50'57	-16°18'56
minimum elong	-7010 Feb 17 j 10:30	6°♑50'58	16°19'24
max. Earth dist.	-7010 Feb 18 j 07:30	6°♑52'09	49.88927 AU
retrograde	-7010 May 31 j 02:15	8°♑21'02	
min. Earth dist.	-7010 Aug 21 j 08:21	7°♑21'49	47.98276 AU
opposition	-7010 Aug 22 j 02:28	7°♑20'57	-16°56'55
direct	-7010 Nov 11 j 12:00	6°♑21'29	
conjunction	-7009 Feb 18 j 16:31	7°♑48'43	-16°14'31
minimum elong	-7009 Feb 18 j 16:40	7°♑48'44	16°14'59
max. Earth dist.	-7009 Feb 19 j 12:56	7°♑49'53	49.90804 AU
retrograde	-7009 Jun 01 j 08:24	9°♑18'42	
opposition	-7009 Aug 23 j 06:54	8°♑18'40	-16°52'09
min. Earth dist.	-7009 Aug 22 j 12:59	8°♑19'32	47.99922 AU
direct	-7009 Nov 12 j 16:21	7°♑19'13	
conjunction	-7008 Feb 19 j 22:27	8°♑46'25	-16°09'49
minimum elong	-7008 Feb 19 j 22:36	8°♑46'26	16°10'17
max. Earth dist.	-7008 Feb 20 j 16:49	8°♑47'28	49.92385 AU
retrograde	-7008 Jun 01 j 17:07	10°♑16'18	
opposition	-7008 Aug 23 j 11:32	9°♑16'21	-16°47'07
min. Earth dist.	-7008 Aug 22 j 18:57	9°♑17'08	48.01282 AU
direct	-7008 Nov 12 j 17:42	8°♑16'56	
conjunction	-7007 Feb 20 j 04:24	9°♑44'06	-16°04'51
minimum elong	-7007 Feb 20 j 04:32	9°♑44'07	16°05'19
max. Earth dist.	-7007 Feb 20 j 22:43	9°♑45'09	49.93673 AU
retrograde	-7007 Jun 02 j 21:34	11°♑13'55	
opposition	-7007 Aug 24 j 16:05	10°♑14'01	-16°41'48
min. Earth dist.	-7007 Aug 24 j 00:47	10°♑14'45	48.02312 AU
direct	-7007 Nov 13 j 23:27	9°♑14'39	
conjunction	-7006 Feb 21 j 10:25	10°♑41'49	-15°59'37

Attention, astronomical year style is used: The year -7006 in astronomical counting style is the year 7007 BCE in historical counting style.

minimum elong	-7006 Feb 21 j 10:35	10°♑41'50	16°00'05
max. Earth dist.	-7006 Feb 22 j 02:40	10°♑42'45	49.94626 AU
retrograde	-7006 Jun 04 j 01:00	12°♑11'34	
opposition	-7006 Aug 25 j 20:26	11°♑11'45	-16°36'13
min. Earth dist.	-7006 Aug 25 j 05:49	11°♑12'27	48.02982 AU
direct	-7006 Nov 15 j 05:58	10°♑12'25	
conjunction	-7005 Feb 22 j 16:34	11°♑39'35	-15°54'08
minimum elong	-7005 Feb 22 j 16:42	11°♑39'36	15°54'36
max. Earth dist.	-7005 Feb 23 j 07:35	11°♑40'27	49.95168 AU
retrograde	-7005 Jun 05 j 05:26	13°♑09'18	
opposition	-7005 Aug 27 j 01:02	12°♑09'32	-16°30'23
min. Earth dist.	-7005 Aug 26 j 12:46	12°♑10'08	48.03210 AU
direct	-7005 Nov 16 j 12:29	11°♑10'14	
conjunction	-7004 Feb 23 j 22:36	12°♑37'24	-15°48'24
minimum elong	-7004 Feb 23 j 22:47	12°♑37'25	15°48'52
max. Earth dist.	-7004 Feb 24 j 12:23	12°♑38'11	49.95254 AU
retrograde	-7004 Jun 05 j 11:47	14°♑07'04	
opposition	-7004 Aug 27 j 05:28	13°♑07'22	-16°24'19
min. Earth dist.	-7004 Aug 26 j 17:46	13°♑07'56	48.02939 AU
direct	-7004 Nov 16 j 16:33	12°♑08'05	
conjunction	-7003 Feb 24 j 04:39	13°♑35'14	-15°42'27
minimum elong	-7003 Feb 24 j 04:48	13°♑35'15	15°42'55
max. Earth dist.	-7003 Feb 24 j 15:50	13°♑35'53	49.94819 AU
retrograde	-7003 Jun 06 j 19:37	15°♑04'50	
opposition	-7003 Aug 28 j 09:59	14°♑05'11	-16°18'00
min. Earth dist.	-7003 Aug 28 j 00:22	14°♑05'38	48.02147 AU
direct	-7003 Nov 17 j 19:08	13°♑05'53	
conjunction	-7002 Feb 25 j 10:51	14°♑33'03	-15°36'16
minimum elong	-7002 Feb 25 j 11:02	14°♑33'03	15°36'45
max. Earth dist.	-7002 Feb 25 j 21:24	14°♑33'39	49.93860 AU
retrograde	-7002 Jun 08 j 00:28	16°♑02'34	
opposition	-7002 Aug 29 j 14:28	15°♑02'56	-16°11'28
min. Earth dist.	-7002 Aug 29 j 06:24	15°♑03'19	48.00815 AU
direct	-7002 Nov 19 j 00:42	14°♑03'37	
conjunction	-7001 Feb 26 j 16:53	15°♑30'46	-15°29'52
minimum elong	-7001 Feb 26 j 17:03	15°♑30'46	15°30'19
max. Earth dist.	-7001 Feb 27 j 00:52	15°♑31'13	49.92393 AU
retrograde	-7001 Jun 09 j 05:02	17°♑00'12	
opposition	-7001 Aug 30 j 18:44	16°♑00'34	-16°04'42
min. Earth dist.	-7001 Aug 30 j 11:28	16°♑00'55	47.99005 AU
direct	-7001 Nov 20 j 06:26	15°♑01'13	
conjunction	-7000 Feb 27 j 22:54	16°♑28'21	-15°23'13
minimum elong	-7000 Feb 27 j 23:05	16°♑28'22	15°23'41
max. Earth dist.	-7000 Feb 28 j 05:48	16°♑28'45	49.90461 AU
retrograde	-7000 Jun 09 j 07:37	17°♑57'44	
opposition	-7000 Aug 30 j 23:11	16°♑58'06	-15°57'40
min. Earth dist.	-7000 Aug 30 j 18:07	16°♑58'20	47.96763 AU
direct	-7000 Nov 20 j 13:31	15°♑58'43	
conjunction	-6999 Feb 28 j 04:45	17°♑25'49	-15°16'19
minimum elong	-6999 Feb 28 j 04:55	17°♑25'50	15°16'46
max. Earth dist.	-6999 Feb 28 j 10:46	17°♑26'10	49.88146 AU
retrograde	-6999 Jun 10 j 12:12	18°♑55'08	
opposition	-6999 Sep 01 j 03:26	17°♑55'30	-15°50'23
min. Earth dist.	-6999 Aug 31 j 22:37	17°♑55'44	47.94149 AU
direct	-6999 Nov 21 j 19:16	16°♑56'04	
conjunction	-6998 Mar 01 j 10:38	18°♑23'11	-15°09'10
minimum elong	-6998 Mar 01 j 10:49	18°♑23'12	15°09'38
max. Earth dist.	-6998 Mar 01 j 14:30	18°♑23'24	49.85478 AU
retrograde	-6998 Jun 11 j 20:54	19°♑52'27	
opposition	-6998 Sep 02 j 07:43	18°♑52'49	-15°42'50
min. Earth dist.	-6998 Sep 02 j 04:30	18°♑52'58	47.91219 AU
direct	-6998 Nov 22 j 20:36	17°♑53'21	
conjunction	-6997 Mar 02 j 16:41	19°♑20'28	-15°01'45
minimum elong	-6997 Mar 02 j 16:52	19°♑20'29	15°02'12
max. Earth dist.	-6997 Mar 02 j 20:29	19°♑20'41	49.82512 AU
retrograde	-6997 Jun 13 j 02:08	20°♑49'42	
opposition	-6997 Sep 03 j 12:04	19°♑50'04	-15°35'01
min. Earth dist.	-6997 Sep 03 j 09:49	19°♑50'10	47.87987 AU
direct	-6997 Nov 24 j 01:14	18°♑50'34	
evening set	-6996 Mar 01 j 03:29	20°♑15'18	
conjunction	-6996 Mar 02 j 22:22	20°♑17'44	-14°54'05
minimum elong	-6996 Mar 02 j 22:33	20°♑17'44	14°54'32
max. Earth dist.	-6996 Mar 03 j 00:18	20°♑17'50	49.79268 AU
morning rise	-6996 Mar 04 j 17:40	20°♑20'11	
retrograde	-6996 Jun 13 j 06:20	21°♑46'55	
opposition	-6996 Sep 03 j 16:22	20°♑47'18	-15°26'55
min. Earth dist.	-6996 Sep 03 j 14:32	20°♑47'23	47.84482 AU
direct	-6996 Nov 24 j 06:32	19°♑47'48	
evening set	-6995 Mar 01 j 09:05	21°♑11'11	
conjunction	-6995 Mar 04 j 04:18	21°♑15'00	-14°46'08
minimum elong	-6995 Mar 04 j 04:30	21°♑15'01	14°46'35
max. Earth dist.	-6995 Mar 04 j 05:22	21°♑15'04	49.75734 AU
morning rise	-6995 Mar 06 j 23:58	21°♑18'50	
retrograde	-6995 Jun 14 j 09:17	22°♑44'12	
opposition	-6995 Sep 04 j 20:43	21°♑44'36	-15°18'33
min. Earth dist.	-6995 Sep 04 j 20:49	21°♑44'35	47.80672 AU
direct	-6995 Nov 25 j 13:36	20°♑45'05	
evening set	-6994 Mar 01 j 21:12	22°♑07'31	
conjunction	-6994 Mar 05 j 10:19	22°♑12'21	-14°37'56
minimum elong	-6994 Mar 05 j 10:30	22°♑12'22	14°38'24
max. Earth dist.	-6994 Mar 05 j 10:25	22°♑12'21	49.71892 AU
morning rise	-6994 Mar 08 j 23:53	22°♑17'12	
retrograde	-6994 Jun 15 j 14:31	23°♑41'34	
opposition	-6994 Sep 06 j 00:58	22°♑42'00	-15°09'55
min. Earth dist.	-6994 Sep 06 j 01:26	22°♑41'58	47.76508 AU
direct	-6994 Nov 26 j 18:36	21°♑42'28	
evening set	-6993 Mar 02 j 12:07	23°♑04'08	
conjunction	-6993 Mar 06 j 16:19	23°♑09'49	-14°29'29
minimum elong	-6993 Mar 06 j 16:31	23°♑09'49	14°29'56
max. Earth dist.	-6993 Mar 06 j 14:09	23°♑09'41	49.67652 AU
morning rise	-6993 Mar 10 j 21:04	23°♑15'32	
retrograde	-6993 Jun 16 j 22:12	24°♑39'03	
opposition	-6993 Sep 07 j 05:20	23°♑39'31	-15°01'02
min. Earth dist.	-6993 Sep 07 j 07:50	23°♑39'24	47.71928 AU
direct	-6993 Nov 27 j 20:57	22°♑39'59	
evening set	-6992 Mar 02 j 04:59	24°♑00'59	
conjunction	-6992 Mar 06 j 22:32	24°♑07'25	-14°20'48
minimum elong	-6992 Mar 06 j 22:43	24°♑07'25	14°21'15
max. Earth dist.	-6992 Mar 06 j 19:45	24°♑07'15	49.62965 AU
morning rise	-6992 Mar 11 j 16:34	24°♑13'52	
retrograde	-6992 Jun 17 j 04:05	25°♑36'40	
opposition	-6992 Sep 07 j 09:46	24°♑37'09	-14°51'55
min. Earth dist.	-6992 Sep 07 j 13:40	24°♑36'58	47.66856 AU
direct	-6992 Nov 28 j 01:37	23°♑37'36	
evening set	-6991 Mar 02 j 23:00	24°♑58'00	
conjunction	-6991 Mar 08 j 04:33	25°♑05'07	-14°11'54
minimum elong	-6991 Mar 08 j 04:46	25°♑05'08	14°12'20
max. Earth dist.	-6991 Mar 07 j 23:11	25°♑04'49	49.57775 AU
morning rise	-6991 Mar 13 j 10:42	25°♑12'16	

Attention, astronomical year style is used: The year -6991 in astronomical counting style is the year 6992 BCE in historical counting style.

retrograde	-6991 Jun 18 j 09:49	26°♑34'24	
opposition	-6991 Sep 08 j 14:12	25°♑34'54	-14°42'34
min. Earth dist.	-6991 Sep 08 j 19:07	25°♑34'40	47.61264 AU
direct	-6991 Nov 29 j 06:45	24°♑35'18	
evening set	-6990 Mar 03 j 18:03	25°♑55'09	
conjunction	-6990 Mar 09 j 10:53	26°♑02'55	-14°02'45
minimum elong	-6990 Mar 09 j 11:04	26°♑02'56	14°03'11
max. Earth dist.	-6990 Mar 09 j 04:03	26°♑02'32	49.52042 AU
morning rise	-6990 Mar 15 j 04:15	26°♑10'42	
retrograde	-6990 Jun 19 j 13:20	27°♑32'14	
opposition	-6990 Sep 09 j 18:41	26°♑32'42	-14°32'59
min. Earth dist.	-6990 Sep 10 j 02:06	26°♑32'21	47.55130 AU
direct	-6990 Nov 30 j 13:25	25°♑33'04	
evening set	-6989 Mar 04 j 14:00	26°♑52'24	
conjunction	-6989 Mar 10 j 17:12	27°♑00'45	-13°53'23
minimum elong	-6989 Mar 10 j 17:25	27°♑00'46	13°53'50
max. Earth dist.	-6989 Mar 10 j 09:02	27°♑00'17	49.45798 AU
morning rise	-6989 Mar 16 j 20:57	27°♑09'09	
retrograde	-6989 Jun 20 j 17:45	28°♑30'06	
opposition	-6989 Sep 10 j 23:06	27°♑30'34	-14°23'10
min. Earth dist.	-6989 Sep 11 j 07:02	27°♑30'11	47.48494 AU
direct	-6989 Dec 01 j 19:30	26°♑30'51	
evening set	-6988 Mar 04 j 10:08	27°♑49'43	
conjunction	-6988 Mar 10 j 23:13	27°♑58'37	-13°43'48
minimum elong	-6988 Mar 10 j 23:25	27°♑58'38	13°44'14
max. Earth dist.	-6988 Mar 10 j 12:37	27°♑58'01	49.39068 AU
morning rise	-6988 Mar 17 j 12:58	28°♑07'35	
retrograde	-6988 Jun 21 j 02:11	29°♑28'00	
opposition	-6988 Sep 11 j 03:37	28°♑28'26	-14°13'06
min. Earth dist.	-6988 Sep 11 j 13:27	28°♑27'58	47.41412 AU
direct	-6988 Dec 01 j 21:31	27°♑28'40	
evening set	-6987 Mar 05 j 06:56	28°♑47'05	
conjunction	-6987 Mar 12 j 05:31	28°♑56'32	-13°33'57
minimum elong	-6987 Mar 12 j 05:44	28°♑56'32	13°34'24
max. Earth dist.	-6987 Mar 11 j 18:41	28°♑55'55	49.31921 AU
morning rise	-6987 Mar 19 j 04:38	29°♑06'02	
	-6987 May 02 j 18:05	0°♒	
retrograde	-6987 Jun 22 j 08:25	0°♒25'57	
	-6987 Aug 12 j 03:37	30°℞♑	
opposition	-6987 Sep 12 j 08:01	29°♑26'20	-14°02'47
min. Earth dist.	-6987 Sep 12 j 19:00	29°♑25'49	47.33930 AU
direct	-6987 Dec 03 j 01:34	28°♑26'30	
evening set	-6986 Mar 06 j 04:12	29°♑44'30	
conjunction	-6986 Mar 13 j 11:43	29°♑54'28	-13°23'51
minimum elong	-6986 Mar 13 j 11:55	29°♑54'29	13°24'17
max. Earth dist.	-6986 Mar 12 j 22:43	29°♑53'44	49.24412 AU
	-6986 Mar 17 j 12:58	0°♒	
morning rise	-6986 Mar 20 j 19:53	0°♒04'29	
retrograde	-6986 Jun 23 j 13:57	1°♒23'56	
opposition	-6986 Sep 13 j 12:29	0°♒24'18	-13°52'12
min. Earth dist.	-6986 Sep 14 j 00:07	0°♒23'44	47.26111 AU
	-6986 Oct 05 j 05:35	30°℞♑	
direct	-6986 Dec 04 j 06:24	29°♑24'23	
	-6985 Feb 01 j 16:51	0°♒	
evening set	-6985 Mar 07 j 01:41	0°♒42'00	
conjunction	-6985 Mar 14 j 18:00	0°♒52'29	-13°13'30
minimum elong	-6985 Mar 14 j 18:12	0°♒52'30	13°13'56
max. Earth dist.	-6985 Mar 14 j 04:04	0°♒51'41	49.16567 AU
morning rise	-6985 Mar 22 j 10:55	1°♒02'59	
retrograde	-6985 Jun 24 j 16:04	2°♒22'00	
opposition	-6985 Sep 14 j 17:05	1°♒22'20	-13°41'20

min. Earth dist.	-6985 Sep 15 j 06:33	1°♒21'41	47.17975 AU
direct	-6985 Dec 05 j 14:46	0°♒22'22	
evening set	-6984 Mar 06 j 23:39	1°♒39'38	
max. Earth dist.	-6984 Mar 14 j 09:33	1°♒49'45	49.08441 AU
conjunction	-6984 Mar 15 j 00:17	1°♒50'35	-13°02'53
minimum elong	-6984 Mar 15 j 00:30	1°♒50'36	13°03'18
morning rise	-6984 Mar 23 j 01:28	2°♒01'35	
retrograde	-6984 Jun 24 j 20:35	3°♒20'11	
opposition	-6984 Sep 14 j 21:36	2°♒20'30	-13°30'12
min. Earth dist.	-6984 Sep 15 j 11:06	2°♒19'51	47.09552 AU
direct	-6984 Dec 05 j 20:49	1°♒20'29	
evening set	-6983 Mar 07 j 21:42	2°♒37'25	
conjunction	-6983 Mar 16 j 06:27	2°♒48'51	-12°52'00
minimum elong	-6983 Mar 16 j 06:40	2°♒48'51	12°52'26
max. Earth dist.	-6983 Mar 15 j 13:43	2°♒47'53	49.00017 AU
morning rise	-6983 Mar 24 j 15:56	3°♒00'19	
retrograde	-6983 Jun 26 j 04:28	4°♒18'33	
opposition	-6983 Sep 16 j 02:19	3°♒18'51	-13°18'48
min. Earth dist.	-6983 Sep 16 j 17:39	3°♒18'07	47.00826 AU
direct	-6983 Dec 06 j 23:14	2°♒18'47	
evening set	-6982 Mar 08 j 20:19	3°♒35'25	
conjunction	-6982 Mar 17 j 13:02	3°♒47'18	-12°40'52
minimum elong	-6982 Mar 17 j 13:15	3°♒47'19	12°41'16
max. Earth dist.	-6982 Mar 16 j 20:01	3°♒46'20	48.91272 AU
morning rise	-6982 Mar 26 j 06:15	3°♒59'14	
retrograde	-6982 Jun 27 j 11:22	5°♒17'07	
opposition	-6982 Sep 17 j 06:55	4°♒17'24	-13°07'08
min. Earth dist.	-6982 Sep 17 j 23:16	4°♒16'37	46.91742 AU
direct	-6982 Dec 08 j 03:36	3°♒17'16	
evening set	-6981 Mar 09 j 19:19	4°♒33'37	
conjunction	-6981 Mar 18 j 19:32	4°♒45'58	-12°29'28
minimum elong	-6981 Mar 18 j 19:44	4°♒45'59	12°29'53
max. Earth dist.	-6981 Mar 18 j 00:10	4°♒44'52	48.82151 AU
morning rise	-6981 Mar 27 j 20:27	4°♒58'22	
retrograde	-6981 Jun 28 j 18:54	6°♒15'53	
opposition	-6981 Sep 18 j 11:40	5°♒16'10	-12°55'12
min. Earth dist.	-6981 Sep 19 j 05:02	5°♒15'19	46.82257 AU
direct	-6981 Dec 09 j 07:49	4°♒15'58	
evening set	-6980 Mar 09 j 18:20	5°♒32'04	
max. Earth dist.	-6980 Mar 18 j 05:35	5°♒43'41	48.72574 AU
conjunction	-6980 Mar 19 j 02:05	5°♒44'52	-12°17'50
minimum elong	-6980 Mar 19 j 02:19	5°♒44'53	12°18'14
morning rise	-6980 Mar 28 j 10:25	5°♒57'41	
retrograde	-6980 Jun 28 j 23:31	7°♒14'54	
opposition	-6980 Sep 18 j 16:38	6°♒15'08	-12°43'01
min. Earth dist.	-6980 Sep 19 j 12:19	6°♒14'11	46.72287 AU
direct	-6980 Dec 09 j 14:29	5°♒14'52	
evening set	-6979 Mar 10 j 17:56	6°♒30'44	
max. Earth dist.	-6979 Mar 19 j 10:51	6°♒42'40	48.62508 AU
conjunction	-6979 Mar 20 j 08:50	6°♒43'56	-12°05'57
minimum elong	-6979 Mar 20 j 09:03	6°♒43'57	12°06'21
morning rise	-6979 Mar 30 j 00:16	6°♒57'11	
retrograde	-6979 Jun 30 j 03:02	8°♒14'05	
opposition	-6979 Sep 19 j 21:25	7°♒14'17	-12°30'35
min. Earth dist.	-6979 Sep 20 j 17:41	7°♒13'18	46.61799 AU
direct	-6979 Dec 10 j 21:57	6°♒13'55	
evening set	-6978 Mar 11 j 17:47	7°♒29'32	
conjunction	-6978 Mar 21 j 15:40	7°♒43'09	-11°53'50
minimum elong	-6978 Mar 21 j 15:54	7°♒43'10	11°54'14
max. Earth dist.	-6978 Mar 20 j 15:00	7°♒41'44	48.51905 AU

Attention, astronomical year style is used: The year -6978 in astronomical counting style is the year 6979 BCE in historical counting style.

morning rise	-6978 Mar 31 j 14:16	7°♒56'50	
retrograde	-6978 Jul 01 j 10:24	9°♒13'26	
opposition	-6978 Sep 21 j 02:30	8°♒13'33	-12°17'54
min. Earth dist.	-6978 Sep 22 j 01:01	8°♒12'28	46.50783 AU
direct	-6978 Dec 12 j 02:13	7°♒13'05	
evening set	-6977 Mar 12 j 17:48	8°♒28'27	
conjunction	-6977 Mar 22 j 22:37	8°♒42'29	-11°41'28
minimum elong	-6977 Mar 22 j 22:50	8°♒42'30	11°41'52
max. Earth dist.	-6977 Mar 21 j 21:23	8°♒41'02	48.40786 AU
morning rise	-6977 Apr 02 j 03:50	8°♒56'34	
retrograde	-6977 Jul 02 j 17:25	10°♒12'52	
opposition	-6977 Sep 22 j 07:30	9°♒12'55	-12°04'59
min. Earth dist.	-6977 Sep 23 j 07:12	9°♒11'46	46.39258 AU
direct	-6977 Dec 13 j 06:38	8°♒12'19	
evening set	-6976 Mar 12 j 18:07	9°♒27'28	
max. Earth dist.	-6976 Mar 22 j 01:46	9°♒40'18	48.29197 AU
conjunction	-6976 Mar 23 j 05:25	9°♒41'54	-11°28'52
minimum elong	-6976 Mar 23 j 05:39	9°♒41'55	11°29'17
morning rise	-6976 Apr 02 j 17:23	9°♒56'23	
retrograde	-6976 Jul 03 j 01:06	11°♒12'24	
opposition	-6976 Sep 22 j 12:30	10°♒12'21	-11°51'47
min. Earth dist.	-6976 Sep 23 j 13:12	10°♒11'09	46.27304 AU
direct	-6976 Dec 13 j 10:43	9°♒11'38	
evening set	-6975 Mar 13 j 18:23	10°♒26'34	
max. Earth dist.	-6975 Mar 23 j 07:39	10°♒39'44	48.17188 AU
conjunction	-6975 Mar 24 j 12:21	10°♒41'24	-11°16'01
minimum elong	-6975 Mar 24 j 12:33	10°♒41'24	11°16'24
morning rise	-6975 Apr 04 j 06:44	10°♒56'16	
retrograde	-6975 Jul 04 j 04:48	12°♒12'01	
opposition	-6975 Sep 23 j 17:42	11°♒11'52	-11°38'20
min. Earth dist.	-6975 Sep 24 j 20:19	11°♒10'34	46.14955 AU
direct	-6975 Dec 14 j 19:01	10°♒11'01	
evening set	-6974 Mar 14 j 19:10	11°♒25'46	
conjunction	-6974 Mar 25 j 19:23	11°♒40'59	-11°02'54
minimum elong	-6974 Mar 25 j 19:37	11°♒41'00	11°03'17
max. Earth dist.	-6974 Mar 24 j 13:44	11°♒39'16	48.04829 AU
morning rise	-6974 Apr 05 j 20:02	11°♒56'14	
retrograde	-6974 Jul 05 j 08:58	13°♒11'45	
opposition	-6974 Sep 24 j 22:43	12°♒11'31	-11°24'36
min. Earth dist.	-6974 Sep 26 j 01:32	12°♒10'12	46.02279 AU
direct	-6974 Dec 16 j 02:37	11°♒10'32	
evening set	-6973 Mar 15 j 20:05	12°♒25'07	
max. Earth dist.	-6973 Mar 25 j 18:48	12°♒38'53	47.92157 AU
conjunction	-6973 Mar 27 j 02:26	12°♒40'43	-10°49'30
minimum elong	-6973 Mar 27 j 02:39	12°♒40'44	10°49'52
morning rise	-6973 Apr 07 j 09:20	12°♒56'21	
retrograde	-6973 Jul 06 j 16:27	14°♒11'39	
opposition	-6973 Sep 26 j 04:07	13°♒11'20	-11°10'34
min. Earth dist.	-6973 Sep 27 j 08:40	13°♒09'56	45.89325 AU
direct	-6973 Dec 17 j 06:38	12°♒10'14	
evening set	-6972 Mar 15 j 21:00	13°♒24'41	
max. Earth dist.	-6972 Mar 26 j 01:51	13°♒38'49	47.79223 AU
conjunction	-6972 Mar 27 j 09:29	13°♒40'39	-10°35'50
minimum elong	-6972 Mar 27 j 09:42	13°♒40'40	10°36'13
morning rise	-6972 Apr 07 j 22:13	13°♒56'40	
	-6972 Jun 04 j 00:13	15°♒	
retrograde	-6972 Jul 06 j 23:15	15°♒11'47	
	-6972 Aug 09 j 01:11	15°℞♒	
opposition	-6972 Sep 26 j 09:31	14°♒11'23	-10°56'16
min. Earth dist.	-6972 Sep 27 j 14:34	14°♒09'58	45.76105 AU
direct	-6972 Dec 17 j 12:07	13°♒10'11	
evening set	-6971 Mar 16 j 22:26	14°♒24'30	
max. Earth dist.	-6971 Mar 27 j 07:00	14°♒38'54	47.66040 AU
conjunction	-6971 Mar 28 j 16:40	14°♒40'52	-10°21'54
minimum elong	-6971 Mar 28 j 16:53	14°♒40'53	10°22'16
morning rise	-6971 Apr 09 j 11:22	14°♒57'15	
	-6971 Apr 11 j 11:23	15°♒	
retrograde	-6971 Jul 08 j 08:16	16°♒12'11	
opposition	-6971 Sep 27 j 14:51	15°♒11'44	-10°41'39
min. Earth dist.	-6971 Sep 28 j 20:42	15°♒10'17	45.62635 AU
	-6971 Oct 07 j 15:51	15°℞♒	
direct	-6971 Dec 18 j 15:57	14°♒10'26	
	-6970 Feb 27 j 08:11	15°♒	
evening set	-6970 Mar 18 j 00:02	15°♒24'41	
max. Earth dist.	-6970 Mar 28 j 13:46	15°♒39'25	47.52571 AU
conjunction	-6970 Mar 30 j 00:10	15°♒41'25	-10°07'41
minimum elong	-6970 Mar 30 j 00:23	15°♒41'26	10°08'03
morning rise	-6970 Apr 11 j 00:30	15°♒58'11	
retrograde	-6970 Jul 09 j 14:48	17°♒12'58	
opposition	-6970 Sep 28 j 20:31	16°♒12'28	-10°26'46
min. Earth dist.	-6970 Sep 30 j 04:17	16°♒10'54	45.48855 AU
direct	-6970 Dec 19 j 22:50	15°♒11'04	
evening set	-6969 Mar 19 j 02:02	16°♒25'16	
max. Earth dist.	-6969 Mar 29 j 20:06	16°♒40'16	47.38780 AU
conjunction	-6969 Mar 31 j 07:39	16°♒42'21	-9°53'11
minimum elong	-6969 Mar 31 j 07:52	16°♒42'22	9°53'32
morning rise	-6969 Apr 12 j 13:30	16°♒59'28	
retrograde	-6969 Jul 10 j 19:38	18°♒14'09	
opposition	-6969 Sep 30 j 02:07	17°♒13'35	-10°11'35
min. Earth dist.	-6969 Oct 01 j 10:10	17°♒12'01	45.34718 AU
direct	-6969 Dec 21 j 06:35	16°♒12'05	
evening set	-6968 Mar 19 j 04:15	17°♒26'14	
max. Earth dist.	-6968 Mar 30 j 01:28	17°♒41'28	47.24586 AU
conjunction	-6968 Mar 31 j 15:18	17°♒43'41	-9°38'26
minimum elong	-6968 Mar 31 j 15:30	17°♒43'42	9°38'47
morning rise	-6968 Apr 13 j 02:39	18°♒01'10	
retrograde	-6968 Jul 11 j 02:58	19°♒15'45	
opposition	-6968 Sep 30 j 08:01	18°♒15'07	-9°56'08
min. Earth dist.	-6968 Oct 01 j 18:18	18°♒13'26	45.20160 AU
direct	-6968 Dec 21 j 12:01	17°♒13'31	
evening set	-6967 Mar 20 j 06:42	18°♒27'37	
max. Earth dist.	-6967 Mar 31 j 08:51	18°♒43'10	47.09942 AU
conjunction	-6967 Apr 01 j 23:12	18°♒45'26	-9°23'24
minimum elong	-6967 Apr 01 j 23:25	18°♒45'26	9°23'44
morning rise	-6967 Apr 14 j 15:40	19°♒03'16	
retrograde	-6967 Jul 12 j 11:36	20°♒17'45	
opposition	-6967 Oct 01 j 14:02	19°♒17'01	-9°40'24
min. Earth dist.	-6967 Oct 03 j 01:21	19°♒15'17	45.05113 AU
direct	-6967 Dec 22 j 16:40	18°♒15'17	
evening set	-6966 Mar 21 j 09:41	19°♒29'21	
max. Earth dist.	-6966 Apr 01 j 14:04	19°♒45'06	46.94805 AU
conjunction	-6966 Apr 03 j 07:11	19°♒47'31	-9°08'07
minimum elong	-6966 Apr 03 j 07:23	19°♒47'32	9°08'27
morning rise	-6966 Apr 16 j 04:54	20°♒05'42	
retrograde	-6966 Jul 13 j 21:40	21°♒20'05	
opposition	-6966 Oct 02 j 20:04	20°♒19'16	-9°24'24
min. Earth dist.	-6966 Oct 04 j 08:45	20°♒17'27	44.89581 AU
direct	-6966 Dec 23 j 20:21	19°♒17'22	
evening set	-6965 Mar 22 j 12:45	20°♒31'25	
max. Earth dist.	-6965 Apr 02 j 21:12	20°♒47'26	46.79173 AU
conjunction	-6965 Apr 04 j 15:25	20°♒49'56	-8°52'35

Attention, astronomical year style is used: The year -6965 in astronomical counting style is the year 6966 BCE in historical counting style.

minimum elong	-6965 Apr 04 j 15:38	20°♒49'56	8°52'55	
morning rise	-6965 Apr 17 j 17:59	21°♒08'27		
retrograde	-6965 Jul 15 j 03:53	22°♒22'44		
opposition	-6965 Oct 04 j 02:25	21°♒21'47	-9°08'07	
min. Earth dist.	-6965 Oct 05 j 17:03	21°♒19'53	44.73570 AU	
direct	-6965 Dec 25 j 05:01	20°♒19'44		
evening set	-6964 Mar 22 j 15:59	21°♒33'46		
max. Earth dist.	-6964 Apr 03 j 03:56	21°♒50'01	46.63102 AU	
conjunction	-6964 Apr 04 j 23:27	21°♒52'37	-8°36'46	
minimum elong	-6964 Apr 04 j 23:38	21°♒52'37	8°37'06	
morning rise	-6964 Apr 18 j 06:51	22°♒11'28		
retrograde	-6964 Jul 15 j 09:10	23°♒25'40		
opposition	-6964 Oct 04 j 08:41	22°♒24'35	-8°51'34	
min. Earth dist.	-6964 Oct 05 j 23:42	22°♒22'39	44.57141 AU	
direct	-6964 Dec 25 j 14:36	21°♒22'21		
evening set	-6963 Mar 23 j 19:34	22°♒36'22		
max. Earth dist.	-6963 Apr 04 j 10:11	22°♒52'50	46.46622 AU	
conjunction	-6963 Apr 06 j 07:45	22°♒55'33	-8°20'42	
minimum elong	-6963 Apr 06 j 07:57	22°♒55'34	8°21'01	
morning rise	-6963 Apr 19 j 19:54	23°♒14'44		
retrograde	-6963 Jul 16 j 15:55	24°♒28'52		
opposition	-6963 Oct 05 j 15:06	23°♒27'39	-8°34'43	
min. Earth dist.	-6963 Oct 07 j 08:15	23°♒25'36	44.40348 AU	
direct	-6963 Dec 26 j 21:40	22°♒25'13		
evening set	-6962 Mar 24 j 23:24	23°♒39'15		
max. Earth dist.	-6962 Apr 05 j 18:29	23°♒56'01	46.29808 AU	
conjunction	-6962 Apr 07 j 16:18	23°♒58'45	-8°04'20	
minimum elong	-6962 Apr 07 j 16:29	23°♒58'46	8°04'38	
morning rise	-6962 Apr 21 j 08:49	24°♒18'16		
retrograde	-6962 Jul 17 j 22:55	25°♒32'21		
opposition	-6962 Oct 06 j 21:41	24°♒30'59	-8°17'33	
min. Earth dist.	-6962 Oct 08 j 15:13	24°♒28'54	44.23238 AU	
direct	-6962 Dec 28 j 05:04	23°♒28'22		
evening set	-6961 Mar 26 j 03:33	24°♒42'25		
max. Earth dist.	-6961 Apr 07 j 00:48	24°♒59'22	46.12704 AU	
conjunction	-6961 Apr 09 j 00:42	25°♒02'14	-7°47'41	
minimum elong	-6961 Apr 09 j 00:53	25°♒02'15	7°48'00	
morning rise	-6961 Apr 22 j 21:43	25°♒22'05		
retrograde	-6961 Jul 19 j 09:54	26°♒36'08		
opposition	-6961 Oct 08 j 04:24	25°♒34'37	-8°00'06	
min. Earth dist.	-6961 Oct 09 j 22:55	25°♒32'29	44.05877 AU	
direct	-6961 Dec 29 j 09:01	24°♒31'49		
evening set	-6960 Mar 26 j 07:51	25°♒45'55		
max. Earth dist.	-6960 Apr 07 j 09:13	26°♒03'10	45.95354 AU	
conjunction	-6960 Apr 09 j 09:27	26°♒06'04	-7°30'45	
minimum elong	-6960 Apr 09 j 09:38	26°♒06'05	7°31'03	
morning rise	-6960 Apr 23 j 10:33	26°♒26'13		
retrograde	-6960 Jul 19 j 19:10	27°♒40'16		
opposition	-6960 Oct 08 j 11:21	26°♒38'37	-7°42'20	
min. Earth dist.	-6960 Oct 10 j 07:15	26°♒36'24	43.88281 AU	
direct	-6960 Dec 29 j 15:52	25°♒35'38		
evening set	-6959 Mar 27 j 12:33	26°♒49'49		
max. Earth dist.	-6959 Apr 08 j 16:52	27°♒07'19	45.77792 AU	
conjunction	-6959 Apr 10 j 18:14	27°♒10'18	-7°13'31	
minimum elong	-6959 Apr 10 j 18:25	27°♒10'18	7°13'49	
morning rise	-6959 Apr 24 j 23:30	27°♒30'45		
retrograde	-6959 Jul 21 j 02:58	28°♒44'49		
opposition	-6959 Oct 09 j 18:22	27°♒43'02	-7°24'15	
min. Earth dist.	-6959 Oct 11 j 14:17	27°♒40'49	43.70462 AU	
direct	-6959 Dec 31 j 00:09	26°♒39'53		
evening set	-6958 Mar 28 j 17:41	27°♒54'11		
max. Earth dist.	-6958 Apr 10 j 00:17	28°♒11'53	45.59972 AU	
conjunction	-6958 Apr 12 j 03:22	28°♒14'59	-6°56'00	
minimum elong	-6958 Apr 12 j 03:33	28°♒14'59	6°56'16	
morning rise	-6958 Apr 26 j 12:34	28°♒35'45		
retrograde	-6958 Jul 22 j 09:45	29°♒49'52		
opposition	-6958 Oct 11 j 01:39	28°♒47'57	-7°05'52	
min. Earth dist.	-6958 Oct 12 j 23:34	28°♒45'38	43.52378 AU	
direct	-6957 Jan 01 j 08:46	27°♒44'39		
evening set	-6957 Mar 29 j 23:09	28°♒59'05		
max. Earth dist.	-6957 Apr 11 j 09:30	29°♒17'03	45.41869 AU	
conjunction	-6957 Apr 13 j 12:46	29°♒20'11	-6°38'11	
minimum elong	-6957 Apr 13 j 12:56	29°♒20'11	6°38'28	
morning rise	-6957 Apr 28 j 01:36	29°♒41'16		
	-6957 May 11 j 14:16	0°♓		
retrograde	-6957 Jul 23 j 17:40	0°♓55'27		
	-6957 Oct 06 j 23:05	30°℞♒		
opposition	-6957 Oct 12 j 09:08	29°♒53'25	-6°47'10	
min. Earth dist.	-6957 Oct 14 j 07:35	29°♒51'04	43.33973 AU	
direct	-6956 Jan 02 j 16:42	28°♒49'57		
	-6956 Mar 27 j 00:28	0°♓		
evening set	-6956 Mar 30 j 04:57	0°♓04'32		
max. Earth dist.	-6956 Apr 11 j 16:22	0°♓22'39	45.23406 AU	
conjunction	-6956 Apr 13 j 22:06	0°♓25'56	-6°20'05	
minimum elong	-6956 Apr 13 j 22:16	0°♓25'57	6°20'20	
morning rise	-6956 Apr 28 j 14:42	0°♓47'19		
retrograde	-6956 Jul 24 j 05:08	2°♓01'37		
opposition	-6956 Oct 12 j 16:49	0°♓59'27	-6°28'10	
min. Earth dist.	-6956 Oct 14 j 16:49	0°♓57'01	43.15188 AU	
	-6956 Dec 14 j 17:24	30°℞♒		
direct	-6955 Jan 02 j 21:25	29°♒55'48		
	-6955 Jan 22 j 03:51	0°♓		
evening set	-6955 Mar 31 j 11:10	1°♓10'33		
max. Earth dist.	-6955 Apr 13 j 01:27	1°♓28'55	45.04513 AU	
conjunction	-6955 Apr 15 j 08:01	1°♓32'16	-6°01'42	
minimum elong	-6955 Apr 15 j 08:11	1°♓32'16	6°01'57	
morning rise	-6955 Apr 30 j 03:54	1°♓53'57		
retrograde	-6955 Jul 25 j 15:00	3°♓08'21		
opposition	-6955 Oct 14 j 00:44	2°♓06'02	-6°08'52	
min. Earth dist.	-6955 Oct 16 j 02:29	2°♓03'30	42.95946 AU	
direct	-6954 Jan 04 j 05:35	1°♓02'11		
evening set	-6954 Apr 01 j 17:59	2°♓17'09		
max. Earth dist.	-6954 Apr 14 j 09:41	2°♓35'40	44.85164 AU	
conjunction	-6954 Apr 16 j 18:06	2°♓39'09	-5°43'01	
minimum elong	-6954 Apr 16 j 18:15	2°♓39'09	5°43'17	
morning rise	-6954 May 01 j 17:21	3°♓01'07		
retrograde	-6954 Jul 27 j 01:05	4°♓15'38		
opposition	-6954 Oct 15 j 08:51	3°♓13'10	-5°49'15	
min. Earth dist.	-6954 Oct 17 j 11:16	3°♓10'35	42.76242 AU	
direct	-6953 Jan 05 j 15:15	2°♓09'06		
evening set	-6953 Apr 03 j 00:59	3°♓24'15		
max. Earth dist.	-6953 Apr 15 j 17:52	3°♓42'56	44.65334 AU	
conjunction	-6953 Apr 18 j 04:18	3°♓46'33	-5°24'04	
minimum elong	-6953 Apr 18 j 04:26	3°♓46'34	5°24'20	
morning rise	-6953 May 03 j 06:36	4°♓08'49		
retrograde	-6953 Jul 28 j 09:45	5°♓23'28		
opposition	-6953 Oct 16 j 17:16	4°♓20'49	-5°29'21	
min. Earth dist.	-6953 Oct 18 j 22:02	4°♓18'06	42.56083 AU	
direct	-6952 Jan 07 j 00:55	3°♓16'31		
evening set	-6952 Apr 03 j 08:19	4°♓31'53		
max. Earth dist.	-6952 Apr 16 j 03:44	4°♓50'48	44.45078 AU	

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

conjunction	-6952 Apr 18 j 14:45	4°♓54'28	-5°04'50
minimum elong	-6952 Apr 18 j 14:54	4°♓54'29	5°05'05
morning rise	-6952 May 03 j 19:56	5°♓17'01	
retrograde	-6952 Jul 28 j 17:40	6°♓31'49	
opposition	-6952 Oct 17 j 01:41	5°♓28'58	-5°09'08
min. Earth dist.	-6952 Oct 19 j 06:50	5°♓26'13	42.35517 AU
direct	-6951 Jan 07 j 10:54	4°♓24'26	
evening set	-6951 Apr 04 j 16:05	5°♓40'01	
max. Earth dist.	-6951 Apr 17 j 11:51	5°♓59'03	44.24434 AU
conjunction	-6951 Apr 20 j 01:16	6°♓02'53	-4°45'18
minimum elong	-6951 Apr 20 j 01:24	6°♓02'53	4°45'32
morning rise	-6951 May 05 j 09:22	6°♓25'42	
retrograde	-6951 Jul 30 j 05:18	7°♓40'41	
opposition	-6951 Oct 18 j 10:25	6°♓37'37	-4°48'36
min. Earth dist.	-6951 Oct 20 j 17:10	6°♓34'47	42.14604 AU
direct	-6950 Jan 08 j 17:26	5°♓32'50	
evening set	-6950 Apr 06 j 00:10	6°♓48'41	
max. Earth dist.	-6950 Apr 18 j 22:32	7°♓07'57	44.03454 AU
conjunction	-6950 Apr 21 j 12:11	7°♓11'49	-4°25'29
minimum elong	-6950 Apr 21 j 12:19	7°♓11'49	4°25'42
morning rise	-6950 May 06 j 22:41	7°♓34'54	
retrograde	-6950 Jul 31 j 16:44	8°♓50'04	
opposition	-6950 Oct 19 j 19:23	7°♓46'48	-4°27'45
min. Earth dist.	-6950 Oct 22 j 03:18	7°♓43'54	41.93389 AU
direct	-6949 Jan 10 j 01:25	6°♓41'45	
evening set	-6949 Apr 07 j 08:45	7°♓57'53	
max. Earth dist.	-6949 Apr 20 j 07:57	8°♓17'18	43.82219 AU
conjunction	-6949 Apr 22 j 23:07	8°♓21'17	-4°05'21
minimum elong	-6949 Apr 22 j 23:14	8°♓21'18	4°05'34
morning rise	-6949 May 08 j 12:09	8°♓44'38	
retrograde	-6949 Aug 02 j 05:14	10°♓00'01	
opposition	-6949 Oct 21 j 04:33	8°♓56'32	-4°06'34
min. Earth dist.	-6949 Oct 23 j 12:38	8°♓53'37	41.71959 AU
direct	-6948 Jan 11 j 09:36	7°♓51'14	
evening set	-6948 Apr 07 j 17:28	9°♓07'41	
max. Earth dist.	-6948 Apr 20 j 17:58	9°♓27'17	43.60765 AU
conjunction	-6948 Apr 23 j 10:12	9°♓31'21	-3°44'56
minimum elong	-6948 Apr 23 j 10:19	9°♓31'21	3°45'09
morning rise	-6948 May 09 j 01:22	9°♓54'57	
retrograde	-6948 Aug 02 j 14:20	11°♓10'35	
opposition	-6948 Oct 21 j 14:07	10°♓06'53	-3°45'05
min. Earth dist.	-6948 Oct 23 j 23:53	10°♓03'52	41.50337 AU
direct	-6947 Jan 11 j 21:25	9°♓01'20	
evening set	-6947 Apr 09 j 02:48	10°♓18'08	
max. Earth dist.	-6947 Apr 22 j 05:21	10°♓37'57	43.39143 AU
conjunction	-6947 Apr 24 j 21:43	10°♓42'03	-3°24'13
minimum elong	-6947 Apr 24 j 21:49	10°♓42'04	3°24'25
morning rise	-6947 May 10 j 14:53	11°♓05'54	
retrograde	-6947 Aug 03 j 23:01	12°♓21'49	
opposition	-6947 Oct 22 j 23:40	11°♓17'55	-3°23'16
min. Earth dist.	-6947 Oct 25 j 09:22	11°♓14'53	41.28546 AU
direct	-6946 Jan 13 j 09:31	10°♓12'08	
evening set	-6946 Apr 10 j 12:47	11°♓29'18	
max. Earth dist.	-6946 Apr 23 j 15:04	11°♓49'13	43.17336 AU
conjunction	-6946 Apr 26 j 09:29	11°♓53'29	-3°03'12
minimum elong	-6946 Apr 26 j 09:35	11°♓53'29	3°03'24
morning rise	-6946 May 12 j 04:34	12°♓17'35	
retrograde	-6946 Aug 05 j 11:10	13°♓33'48	
opposition	-6946 Oct 24 j 09:44	12°♓29'43	-3°01'07
min. Earth dist.	-6946 Oct 26 j 21:00	12°♓26'35	41.06576 AU
direct	-6945 Jan 14 j 17:29	11°♓23'41	
evening set	-6945 Apr 11 j 22:59	12°♓41'15	
max. Earth dist.	-6945 Apr 25 j 03:10	13°♓01'24	42.95315 AU
conjunction	-6945 Apr 27 j 21:33	13°♓05'41	-2°41'53
minimum elong	-6945 Apr 27 j 21:38	13°♓05'41	2°42'03
morning rise	-6945 May 13 j 18:04	13°♓30'01	
retrograde	-6945 Aug 06 j 22:43	14°♓46'36	
opposition	-6945 Oct 25 j 20:04	13°♓42'18	-2°38'39
min. Earth dist.	-6945 Oct 28 j 08:07	13°♓39'08	40.84364 AU
direct	-6944 Jan 16 j 03:25	12°♓36'02	
evening set	-6944 Apr 12 j 09:58	13°♓54'02	
max. Earth dist.	-6944 Apr 25 j 13:39	14°♓14'16	42.73033 AU
conjunction	-6944 Apr 28 j 09:52	14°♓18'42	-2°20'16
minimum elong	-6944 Apr 28 j 09:57	14°♓18'42	2°20'27
morning rise	-6944 May 14 j 07:57	14°♓43'16	
retrograde	-6944 Aug 07 j 14:04	16°♓00'13	
opposition	-6944 Oct 26 j 06:33	14°♓55'43	-2°15'52
min. Earth dist.	-6944 Oct 28 j 19:25	14°♓52'29	40.61874 AU
direct	-6943 Jan 16 j 11:46	13°♓49'10	
evening set	-6943 Apr 13 j 21:25	15°♓07'39	
max. Earth dist.	-6943 Apr 27 j 01:18	15°♓28'01	42.50412 AU
conjunction	-6943 Apr 29 j 22:44	15°♓32'33	-1°58'21
minimum elong	-6943 Apr 29 j 22:48	15°♓32'33	1°58'30
morning rise	-6943 May 15 j 21:51	15°♓57'20	
retrograde	-6943 Aug 09 j 04:17	17°♓14'40	
opposition	-6943 Oct 27 j 17:38	16°♓09'56	-1°52'45
min. Earth dist.	-6943 Oct 30 j 08:35	16°♓06'35	40.39026 AU
direct	-6942 Jan 17 j 22:40	15°♓03'07	
evening set	-6942 Apr 15 j 09:32	16°♓22'05	
max. Earth dist.	-6942 Apr 28 j 13:26	16°♓42'35	42.27427 AU
conjunction	-6942 May 01 j 11:52	16°♓47'12	-1°36'09
minimum elong	-6942 May 01 j 11:55	16°♓47'12	1°36'18
morning rise	-6942 May 17 j 11:58	17°♓12'12	
retrograde	-6942 Aug 10 j 15:40	18°♓29'56	
opposition	-6942 Oct 29 j 04:52	17°♓24'57	-1°29'20
min. Earth dist.	-6942 Oct 31 j 20:03	17°♓21'34	40.15809 AU
direct	-6941 Jan 19 j 12:09	16°♓17'50	
evening set	-6941 Apr 16 j 22:13	17°♓37'18	
max. Earth dist.	-6941 Apr 30 j 00:35	17°♓57'49	42.04060 AU
conjunction	-6941 May 03 j 01:18	18°♓02'38	-1°13'40
minimum elong	-6941 May 03 j 01:21	18°♓02'38	1°13'48
morning rise	-6941 May 19 j 02:09	18°♓27'50	
retrograde	-6941 Aug 12 j 03:24	19°♓45'59	
opposition	-6941 Oct 30 j 16:36	18°♓40'44	-1°05'36
min. Earth dist.	-6941 Nov 02 j 09:45	18°♓37'14	39.92241 AU
direct	-6940 Jan 21 j 00:15	17°♓33'18	
evening set	-6940 Apr 17 j 11:08	18°♓53'17	
max. Earth dist.	-6940 Apr 30 j 14:12	19°♓13'58	41.80352 AU
conjunction	-6940 May 03 j 14:59	19°♓18'48	-0°50'53
minimum elong	-6940 May 03 j 15:00	19°♓18'48	0°51'02
morning rise	-6940 May 19 j 16:14	19°♓44'12	
retrograde	-6940 Aug 12 j 14:59	21°♓02'48	
opposition	-6940 Oct 31 j 04:33	19°♓57'17	-0°41'33
min. Earth dist.	-6940 Nov 02 j 22:22	19°♓53'43	39.68348 AU
direct	-6939 Jan 21 j 12:38	18°♓49'30	
evening set	-6939 Apr 19 j 00:58	20°♓10'01	
max. Earth dist.	-6939 May 02 j 02:06	20°♓30'43	41.56344 AU
conjunction	-6939 May 05 j 04:59	20°♓35'44	-0°27'50
minimum elong	-6939 May 05 j 05:00	20°♓35'44	0°27'57
morning rise	-6939 May 21 j 06:40	21°♓01'19	
retrograde	-6939 Aug 14 j 06:07	22°♓20'24	

Attention, astronomical year style is used: The year -6939 in astronomical counting style is the year 6940 BCE in historical counting style.

opposition	-6939 Nov 01 j 16:40	21°♓14'34	-0°17'12
min. Earth dist.	-6939 Nov 04 j 11:28	21°♓10'56	39.44204 AU
direct	-6938 Jan 22 j 22:36	20°♓06'26	
evening set	-6938 Apr 20 j 15:13	21°♓27'33	
max. Earth dist.	-6938 May 03 j 16:06	21°♓48'21	41.32089 AU
conjunction	-6938 May 06 j 19:29	21°♓53'26	-0°04'33
minimum elong	-6938 May 06 j 19:29	21°♓53'26	0°04'40
behind sun begin	-6938 May 06 j 13:07	21°♓53'01	
behind sun end	-6938 May 07 j 01:52	21°♓53'50	
morning rise	-6938 May 22 j 20:59	22°♓19'11	
asc. node	-6938 Jul 15 j 19:20	23°♓26'31	
retrograde	-6938 Aug 15 j 20:45	23°♓38'46	
opposition	-6938 Nov 03 j 05:25	22°♓32'38	0°07'28
min. Earth dist.	-6938 Nov 06 j 01:33	22°♓28'55	39.19857 AU
direct	-6937 Jan 24 j 11:20	21°♓24'09	
evening set	-6937 Apr 22 j 06:01	22°♓45'54	
max. Earth dist.	-6937 May 05 j 06:01	23°♓06'47	41.07674 AU
conjunction	-6937 May 08 j 09:59	23°♓11'56	0°19'10
minimum elong	-6937 May 08 j 09:58	23°♓11'56	0°19'04
morning rise	-6937 May 24 j 11:19	23°♓37'50	
retrograde	-6937 Aug 17 j 12:35	24°♓57'59	
opposition	-6937 Nov 04 j 18:22	23°♓51'32	0°32'26
min. Earth dist.	-6937 Nov 07 j 14:15	23°♓47'49	38.95391 AU
direct	-6936 Jan 26 j 01:25	22°♓42'42	
evening set	-6936 Apr 22 j 21:29	24°♓05'07	
max. Earth dist.	-6936 May 05 j 19:45	24°♓26'03	40.83144 AU
conjunction	-6936 May 09 j 01:00	24°♓31'19	0°43'02
minimum elong	-6936 May 09 j 00:59	24°♓31'19	0°42'57
morning rise	-6936 May 25 j 01:44	24°♓57'22	
retrograde	-6936 Aug 18 j 03:24	26°♓18'07	
opposition	-6936 Nov 05 j 07:44	25°♓11'22	0°57'42
min. Earth dist.	-6936 Nov 08 j 05:13	25°♓07'32	38.70857 AU
direct	-6935 Jan 26 j 14:55	24°♓02'12	
evening set	-6935 Apr 24 j 13:35	25°♓25'20	
max. Earth dist.	-6935 May 07 j 11:33	25°♓46'23	40.58564 AU
conjunction	-6935 May 10 j 16:28	25°♓51'40	1°07'11
minimum elong	-6935 May 10 j 16:26	25°♓51'40	1°07'06
morning rise	-6935 May 26 j 16:22	26°♓17'51	
retrograde	-6935 Aug 19 j 16:32	27°♓39'15	
opposition	-6935 Nov 06 j 21:33	26°♓32'14	1°23'15
min. Earth dist.	-6935 Nov 09 j 18:43	26°♓28'23	38.46276 AU
direct	-6934 Jan 28 j 05:54	25°♓22'43	
evening set	-6934 Apr 26 j 06:32	26°♓46'38	
max. Earth dist.	-6934 May 09 j 01:37	27°♓07'39	40.33931 AU
conjunction	-6934 May 12 j 08:14	27°♓13'06	1°31'35
minimum elong	-6934 May 12 j 08:11	27°♓13'06	1°31'31
morning rise	-6934 May 28 j 07:07	27°♓39'24	
retrograde	-6934 Aug 21 j 08:57	29°♓01'30	
opposition	-6934 Nov 08 j 11:46	27°♓54'12	1°49'05
min. Earth dist.	-6934 Nov 11 j 09:54	27°♓50'17	38.21661 AU
direct	-6933 Jan 29 j 17:31	26°♓44'22	
evening set	-6933 Apr 28 j 00:05	28°♓09'06	
max. Earth dist.	-6933 May 10 j 18:19	28°♓30'13	40.09232 AU
conjunction	-6933 May 14 j 00:37	28°♓35'41	1°56'15
minimum elong	-6933 May 14 j 00:33	28°♓35'41	1°56'11
morning rise	-6933 May 29 j 21:55	29°♓02'06	
	-6933 Jul 10 j 01:41	0°♈	
retrograde	-6933 Aug 23 j 01:19	0°♈24'58	
	-6933 Oct 06 j 19:05	30°♑♓	
opposition	-6933 Nov 10 j 02:33	29°♓17'23	2°15'12
min. Earth dist.	-6933 Nov 13 j 01:33	29°♓13'24	37.96965 AU
direct	-6932 Jan 31 j 06:04	28°♓07'14	
evening set	-6932 Apr 28 j 18:25	29°♓32'51	
max. Earth dist.	-6932 May 11 j 09:40	29°♓53'56	39.84429 AU
conjunction	-6932 May 14 j 17:10	29°♓59'31	2°21'09
minimum elong	-6932 May 14 j 17:05	29°♓59'31	2°21'06
	-6932 May 14 j 23:56	0°♈	
morning rise	-6932 May 30 j 12:56	0°♈26'02	
retrograde	-6932 Aug 23 j 20:29	1°♈49'41	
opposition	-6932 Nov 10 j 17:40	0°♈41'50	2°41'35
min. Earth dist.	-6932 Nov 13 j 16:54	0°♈37'49	37.72147 AU
	-6932 Dec 13 j 20:37	30°♑♓	
direct	-6931 Jan 31 j 19:34	29°♓31'21	
	-6931 Mar 21 j 05:59	0°♈	
evening set	-6931 Apr 30 j 13:40	0°♈57'53	
max. Earth dist.	-6931 May 13 j 01:53	1°♈18'56	39.59441 AU
conjunction	-6931 May 16 j 10:31	1°♈24'39	2°46'17
minimum elong	-6931 May 16 j 10:25	1°♈24'38	2°46'14
morning rise	-6931 Jun 01 j 04:07	1°♈51'13	
retrograde	-6931 Aug 25 j 14:56	3°♈15'43	
opposition	-6931 Nov 12 j 09:25	2°♈07'34	3°08'13
min. Earth dist.	-6931 Nov 15 j 10:28	2°♈03'26	37.47137 AU
direct	-6930 Feb 02 j 12:04	0°♈56'44	
evening set	-6930 May 02 j 09:49	2°♈24'15	
max. Earth dist.	-6930 May 14 j 19:26	2°♈45'17	39.34252 AU
conjunction	-6930 May 18 j 04:20	2°♈51'04	3°11'38
minimum elong	-6930 May 18 j 04:13	2°♈51'03	3°11'37
morning rise	-6930 Jun 02 j 19:34	3°♈17'41	
retrograde	-6930 Aug 27 j 09:21	4°♈43'03	
opposition	-6930 Nov 14 j 01:41	3°♈34'35	3°35'07
min. Earth dist.	-6930 Nov 17 j 02:40	3°♈30'25	37.21920 AU
direct	-6929 Feb 04 j 06:20	2°♈23'23	
evening set	-6929 May 04 j 06:43	3°♈51'53	
max. Earth dist.	-6929 May 16 j 11:37	4°♈12'46	39.08834 AU
conjunction	-6929 May 19 j 22:27	4°♈18'44	3°37'13
minimum elong	-6929 May 19 j 22:19	4°♈18'44	3°37'11
morning rise	-6929 Jun 04 j 10:59	4°♈45'24	
retrograde	-6929 Aug 29 j 03:10	6°♈11'40	
opposition	-6929 Nov 15 j 18:31	5°♈02'52	4°02'15
min. Earth dist.	-6929 Nov 18 j 21:11	4°♈58'35	36.96505 AU
direct	-6928 Feb 05 j 22:04	3°♈51'16	
evening set	-6928 May 05 j 04:26	5°♈20'49	
max. Earth dist.	-6928 May 17 j 06:38	5°♈41'39	38.83217 AU
conjunction	-6928 May 20 j 17:17	5°♈47'40	4°02'59
minimum elong	-6928 May 20 j 17:09	5°♈47'40	4°02'59
morning rise	-6928 Jun 05 j 02:38	6°♈14'20	
retrograde	-6928 Aug 29 j 19:21	7°♈41'33	
opposition	-6928 Nov 16 j 11:41	6°♈32'23	4°29'36
min. Earth dist.	-6928 Nov 19 j 14:46	6°♈28'03	36.70912 AU
direct	-6927 Feb 06 j 15:41	5°♈20'23	
evening set	-6927 May 07 j 03:12	6°♈51'00	
max. Earth dist.	-6927 May 19 j 00:06	7°♈11'39	38.57447 AU
conjunction	-6927 May 22 j 12:30	7°♈17'51	4°28'57
minimum elong	-6927 May 22 j 12:20	7°♈17'50	4°28'57
morning rise	-6927 Jun 06 j 18:33	7°♈44'29	
retrograde	-6927 Aug 31 j 15:46	9°♈12'42	
opposition	-6927 Nov 18 j 05:26	8°♈03'09	4°57'10
min. Earth dist.	-6927 Nov 21 j 09:04	7°♈58'46	36.45209 AU
direct	-6926 Feb 08 j 06:30	6°♈50'43	
evening set	-6926 May 09 j 02:40	8°♈22'28	
max. Earth dist.	-6926 May 20 j 19:53	8°♈43'01	38.31563 AU

Attention, astronomical year style is used: The year -6926 in astronomical counting style is the year 6927 BCE in historical counting style.

conjunction	-6926 May 24 j 08:17	8°♈49'16	4°55'05
minimum elong	-6926 May 24 j 08:06	8°♈49'15	4°55'07
morning rise	-6926 Jun 08 j 10:19	9°♈15'52	
retrograde	-6926 Sep 02 j 11:19	10°♈45'07	
opposition	-6926 Nov 19 j 23:52	9°♈35'11	5°24'56
min. Earth dist.	-6926 Nov 23 j 04:37	9°♈30'42	36.19444 AU
direct	-6925 Feb 09 j 22:45	8°♈22'19	
evening set	-6925 May 11 j 03:10	9°♈55'14	
max. Earth dist.	-6925 May 22 j 15:44	10°♈15'38	38.05664 AU
conjunction	-6925 May 26 j 04:26	10°♈21'57	5°21'22
minimum elong	-6925 May 26 j 04:14	10°♈21'56	5°21'23
morning rise	-6925 Jun 10 j 02:20	10°♈48'28	
retrograde	-6925 Sep 04 j 09:36	12°♈18'49	
opposition	-6925 Nov 21 j 18:43	11°♈08'29	5°52'50
min. Earth dist.	-6925 Nov 24 j 22:54	11°♈04'01	35.93715 AU
direct	-6924 Feb 11 j 18:29	9°♈55'11	
evening set	-6924 May 12 j 04:24	11°♈29'21	
max. Earth dist.	-6924 May 23 j 11:34	11°♈49'32	37.79801 AU
conjunction	-6924 May 27 j 01:04	11°♈55'58	5°47'45
minimum elong	-6924 May 27 j 00:51	11°♈55'57	5°47'49
morning rise	-6924 Jun 10 j 18:17	12°♈22'23	
retrograde	-6924 Sep 05 j 08:16	13°♈53'54	
opposition	-6924 Nov 22 j 14:19	12°♈43'09	6°20'53
min. Earth dist.	-6924 Nov 25 j 19:41	12°♈38'36	35.68069 AU
direct	-6923 Feb 12 j 14:05	11°♈29'25	
evening set	-6923 May 14 j 06:49	13°♈04'54	
max. Earth dist.	-6923 May 25 j 09:43	13°♈24'57	37.54046 AU
conjunction	-6923 May 28 j 22:25	13°♈31'23	6°14'15
minimum elong	-6923 May 28 j 22:11	13°♈31'22	6°14'18
morning rise	-6923 Jun 12 j 10:29	13°♈57'39	
retrograde	-6923 Sep 07 j 05:15	15°♈30'23	
opposition	-6923 Nov 24 j 10:23	14°♈19'16	6°49'02
min. Earth dist.	-6923 Nov 27 j 14:57	14°♈14'44	35.42555 AU
direct	-6922 Feb 14 j 11:38	13°♈05'06	
evening set	-6922 May 16 j 10:23	14°♈41'59	
max. Earth dist.	-6922 May 27 j 06:30	15°♈01'43	37.28426 AU
conjunction	-6922 May 30 j 20:18	15°♈08'18	6°40'48
minimum elong	-6922 May 30 j 20:03	15°♈08'17	6°40'53
morning rise	-6922 Jun 14 j 02:56	15°♈34'24	
retrograde	-6922 Sep 09 j 03:18	17°♈08'26	
opposition	-6922 Nov 26 j 07:14	15°♈56'57	7°17'16
min. Earth dist.	-6922 Nov 29 j 12:31	15°♈52'20	35.17206 AU
direct	-6921 Feb 16 j 06:34	14°♈42'21	
evening set	-6921 May 18 j 14:45	16°♈20'42	
max. Earth dist.	-6921 May 29 j 06:02	16°♈40'15	37.02946 AU
conjunction	-6921 Jun 01 j 18:47	16°♈46'49	7°07'24
minimum elong	-6921 Jun 01 j 18:31	16°♈46'48	7°07'28
morning rise	-6921 Jun 15 j 19:14	17°♈12'42	
retrograde	-6921 Sep 11 j 00:27	18°♈48'08	
opposition	-6921 Nov 28 j 04:47	17°♈36'16	7°45'34
min. Earth dist.	-6921 Dec 01 j 10:07	17°♈31'37	34.91989 AU
direct	-6920 Feb 18 j 03:10	16°♈21'16	
evening set	-6920 May 19 j 20:34	18°♈01'09	
max. Earth dist.	-6920 May 30 j 04:12	18°♈20'19	36.77583 AU
conjunction	-6920 Jun 02 j 17:53	18°♈27'01	7°34'01
minimum elong	-6920 Jun 02 j 17:36	18°♈27'00	7°34'07
morning rise	-6920 Jun 16 j 12:01	18°♈52'40	
retrograde	-6920 Sep 12 j 01:34	20°♈29'33	
opposition	-6920 Nov 29 j 02:46	19°♈17'19	8°13'52
min. Earth dist.	-6920 Dec 02 j 08:04	19°♈12'39	34.66886 AU
direct	-6919 Feb 18 j 22:08	18°♈01'54	
evening set	-6919 May 22 j 03:30	19°♈43'25	
max. Earth dist.	-6919 Jun 01 j 04:17	20°♈02'14	36.52276 AU
conjunction	-6919 Jun 04 j 17:54	20°♈08'59	8°00'37
minimum elong	-6919 Jun 04 j 17:36	20°♈08'58	8°00'43
morning rise	-6919 Jun 18 j 04:52	20°♈34'21	
retrograde	-6919 Sep 14 j 02:11	22°♈12'46	
opposition	-6919 Dec 01 j 01:50	21°♈00'09	8°42'11
min. Earth dist.	-6919 Dec 04 j 08:14	20°♈55'23	34.41831 AU
direct	-6918 Feb 20 j 19:24	19°♈44'19	
evening set	-6918 May 24 j 11:46	21°♈27'31	
max. Earth dist.	-6918 Jun 03 j 04:47	21°♈45'56	36.27010 AU
conjunction	-6918 Jun 06 j 18:25	21°♈52'45	8°27'11
minimum elong	-6918 Jun 06 j 18:06	21°♈52'43	8°27'20
morning rise	-6918 Jun 19 j 21:53	22°♈17'46	
retrograde	-6918 Sep 16 j 05:22	23°♈57'46	
opposition	-6918 Dec 03 j 01:31	22°♈44'46	9°10'29
min. Earth dist.	-6918 Dec 06 j 07:19	22°♈40'01	34.16819 AU
direct	-6917 Feb 22 j 19:28	21°♈28'30	
evening set	-6917 May 26 j 21:13	23°♈13'28	
max. Earth dist.	-6917 Jun 05 j 05:11	23°♈31'21	36.01761 AU
conjunction	-6917 Jun 08 j 19:44	23°♈38'19	8°53'42
minimum elong	-6917 Jun 08 j 19:24	23°♈38'17	8°53'50
morning rise	-6917 Jun 21 j 15:04	24°♈02'56	
retrograde	-6917 Sep 18 j 08:51	25°♈44'37	
opposition	-6917 Dec 05 j 02:02	24°♈31'12	9°38'42
min. Earth dist.	-6917 Dec 08 j 09:07	24°♈26'20	33.91853 AU
direct	-6916 Feb 24 j 18:52	23°♈14'28	
evening set	-6916 May 28 j 07:55	25°♈01'17	
max. Earth dist.	-6916 Jun 06 j 07:53	25°♈18'42	35.76569 AU
conjunction	-6916 Jun 09 j 21:40	25°♈25'40	9°20'06
minimum elong	-6916 Jun 09 j 21:19	25°♈25'38	9°20'16
morning rise	-6916 Jun 22 j 08:15	25°♈49'50	
retrograde	-6916 Sep 19 j 10:36	27°♈33'15	
opposition	-6916 Dec 06 j 03:15	26°♈19'25	10°06'49
min. Earth dist.	-6916 Dec 09 j 09:38	26°♈14'33	33.66954 AU
direct	-6915 Feb 25 j 20:52	25°♈02'13	
evening set	-6915 May 30 j 20:02	26°♈50'57	
max. Earth dist.	-6915 Jun 08 j 09:22	27°♈07'41	35.51455 AU
conjunction	-6915 Jun 12 j 00:17	27°♈14'49	9°46'21
minimum elong	-6915 Jun 11 j 23:56	27°♈14'47	9°46'31
morning rise	-6915 Jun 24 j 01:38	27°♈38'28	
retrograde	-6915 Sep 21 j 14:05	29°♈23'42	
opposition	-6915 Dec 08 j 05:09	28°♈09'26	10°34'46
min. Earth dist.	-6915 Dec 11 j 12:07	28°♈04'30	33.42188 AU
direct	-6914 Feb 27 j 21:20	26°♈51'45	
evening set	-6914 Jun 02 j 09:26	28°♈42'29	
max. Earth dist.	-6914 Jun 10 j 14:05	28°♈58'40	35.26494 AU
conjunction	-6914 Jun 14 j 03:42	29°♈05'46	10°12'24
minimum elong	-6914 Jun 14 j 03:18	29°♈05'44	10°12'36
morning rise	-6914 Jun 25 j 18:54	29°♈28'50	
	-6914 Jul 12 j 03:52	0°♉	
retrograde	-6914 Sep 23 j 16:44	1°♉15'58	
opposition	-6914 Dec 10 j 08:04	0°♉01'15	11°02'30
	-6914 Dec 11 j 03:54	30°♓℞	
min. Earth dist.	-6914 Dec 13 j 14:47	29°♈56'18	33.17617 AU
direct	-6913 Mar 01 j 23:06	28°♈43'05	
	-6913 May 17 j 04:14	0°♉	
evening set	-6913 Jun 05 j 00:07	0°♉35'54	
max. Earth dist.	-6913 Jun 12 j 17:34	0°♉51'19	35.01773 AU
conjunction	-6913 Jun 16 j 07:26	0°♉58'31	10°38'12

Attention, astronomical year style is used: The year -6913 in astronomical counting style is the year 6914 BCE in historical counting style.

minimum elong	-6913 Jun 16 j 07:02	0°♉58'29	10°38'24	
morning rise	-6913 Jun 27 j 12:06	1°♉20'57		
retrograde	-6913 Sep 25 j 22:06	3°♉10'05		
opposition	-6913 Dec 12 j 11:34	1°♉54'54	11°29'57	
min. Earth dist.	-6913 Dec 15 j 17:34	1°♉49'58	32.93345 AU	
direct	-6912 Mar 03 j 00:18	0°♉36'15		
evening set	-6912 Jun 06 j 16:14	2°♉31'14		
max. Earth dist.	-6912 Jun 13 j 23:19	2°♉45'57	34.77363 AU	
conjunction	-6912 Jun 17 j 12:09	2°♉53'08	11°03'41	
minimum elong	-6912 Jun 17 j 11:44	2°♉53'06	11°03'53	
morning rise	-6912 Jun 28 j 05:16	3°♉14'49		
retrograde	-6912 Sep 27 j 02:47	5°♉06'03		
opposition	-6912 Dec 13 j 15:55	3°♉50'25	11°57'03	
min. Earth dist.	-6912 Dec 16 j 22:03	3°♉45'27	32.69435 AU	
direct	-6911 Mar 05 j 02:55	2°♉31'17		
evening set	-6911 Jun 09 j 10:08	4°♉28'35		
max. Earth dist.	-6911 Jun 16 j 05:34	4°♉42'28	34.53368 AU	
conjunction	-6911 Jun 19 j 17:30	4°♉49'39	11°28'46	
minimum elong	-6911 Jun 19 j 17:06	4°♉49'37	11°28'59	
morning rise	-6911 Jun 29 j 22:27	5°♉10'32		
retrograde	-6911 Sep 29 j 10:34	7°♉03'58		
opposition	-6911 Dec 15 j 21:08	5°♉47'53	12°23'44	
min. Earth dist.	-6911 Dec 19 j 01:31	5°♉43'00	32.45973 AU	
direct	-6910 Mar 07 j 06:43	4°♉28'18		
evening set	-6910 Jun 12 j 05:21	6°♉28'00		
max. Earth dist.	-6910 Jun 18 j 12:17	6°♉40'58	34.29826 AU	
conjunction	-6910 Jun 21 j 23:36	6°♉48'09	11°53'24	
minimum elong	-6910 Jun 21 j 23:10	6°♉48'07	11°53'38	
morning rise	-6910 Jul 01 j 15:29	7°♉08'08		
retrograde	-6910 Oct 01 j 18:25	9°♉03'54		
opposition	-6910 Dec 18 j 03:22	7°♉47'24	12°49'54	
min. Earth dist.	-6910 Dec 21 j 07:56	7°♉42'29	32.23001 AU	
direct	-6909 Mar 09 j 10:30	6°♉27'22		
evening set	-6909 Jun 15 j 02:32	8°♉29'36		
max. Earth dist.	-6909 Jun 20 j 21:09	8°♉41'39	34.06798 AU	
conjunction	-6909 Jun 24 j 06:31	8°♉48'44	12°17'31	
minimum elong	-6909 Jun 24 j 06:06	8°♉48'42	12°17'46	
morning rise	-6909 Jul 03 j 08:17	9°♉07'43		
retrograde	-6909 Oct 04 j 03:57	11°♉05'56		
opposition	-6909 Dec 20 j 10:17	9°♉49'02	13°15'31	
min. Earth dist.	-6909 Dec 23 j 13:03	9°♉44'11	32.00537 AU	
direct	-6908 Mar 10 j 18:20	8°♉28'35		
evening set	-6908 Jun 17 j 01:22	10°♉33'29		
max. Earth dist.	-6908 Jun 22 j 04:47	10°♉44'19	33.84262 AU	
conjunction	-6908 Jun 25 j 14:09	10°♉51'29	12°41'04	
minimum elong	-6908 Jun 25 j 13:43	10°♉51'27	12°41'20	
morning rise	-6908 Jul 04 j 00:56	11°♉09'20		
retrograde	-6908 Oct 05 j 15:06	13°♉10'08		
opposition	-6908 Dec 21 j 18:13	11°♉52'50	13°40'31	
min. Earth dist.	-6908 Dec 24 j 20:52	11°♉47'58	31.78564 AU	
direct	-6907 Mar 13 j 00:46	10°♉31'59		
evening set	-6907 Jun 20 j 02:31	12°♉39'42		
max. Earth dist.	-6907 Jun 24 j 15:34	12°♉49'23	33.62197 AU	
conjunction	-6907 Jun 27 j 22:45	12°♉56'26	13°03'59	
minimum elong	-6907 Jun 27 j 22:19	12°♉56'23	13°04'16	
morning rise	-6907 Jul 05 j 17:04	13°♉13'00		
	-6907 Sep 06 j 04:20	15°♉		
retrograde	-6907 Oct 07 j 23:45	15°♉16'32		
	-6907 Nov 09 j 10:37	15°℞♉		
opposition	-6907 Dec 24 j 03:08	13°♉58'51	14°04'49	
min. Earth dist.	-6907 Dec 27 j 04:34	13°♉54'02	31.57039 AU	
direct	-6906 Mar 15 j 09:12	12°♉37'36		
evening set	-6906 Jun 23 j 05:54	14°♉48'16		
max. Earth dist.	-6906 Jun 27 j 00:55	14°♉56'26	33.40583 AU	
	-6906 Jun 28 j 16:33	15°♉		
conjunction	-6906 Jun 30 j 08:03	15°♉03'33	13°26'12	
minimum elong	-6906 Jun 30 j 07:36	15°♉03'31	13°26'30	
morning rise	-6906 Jul 07 j 08:37	15°♉18'42		
retrograde	-6906 Oct 10 j 11:14	17°♉25'07		
opposition	-6906 Dec 26 j 13:01	16°♉07'02	14°28'22	
min. Earth dist.	-6906 Dec 29 j 13:36	16°♉02'15	31.35972 AU	
	-6905 Feb 14 j 06:29	15°℞♉		
direct	-6905 Mar 17 j 16:45	14°♉45'22		
	-6905 Apr 17 j 12:02	15°♉		
evening set	-6905 Jun 26 j 11:58	16°♉59'12		
max. Earth dist.	-6905 Jun 29 j 13:08	17°♉05'50	33.19410 AU	
conjunction	-6905 Jul 02 j 18:12	17°♉12'50	13°47'39	
minimum elong	-6905 Jul 02 j 17:47	17°♉12'48	13°47'57	
morning rise	-6905 Jul 08 j 22:54	17°♉26'20		
retrograde	-6905 Oct 12 j 21:53	19°♉35'50		
opposition	-6905 Dec 28 j 23:56	18°♉17'21	14°51'05	
min. Earth dist.	-6904 Jan 01 j 00:00	18°♉12'34	31.15337 AU	
direct	-6904 Mar 19 j 01:27	16°♉55'17		
evening set	-6904 Jun 28 j 21:35	19°♉12'30		
max. Earth dist.	-6904 Jul 01 j 00:37	19°♉17'11	32.98702 AU	
conjunction	-6904 Jul 04 j 05:07	19°♉24'12	14°08'17	
minimum elong	-6904 Jul 04 j 04:41	19°♉24'10	14°08'36	
morning rise	-6904 Jul 09 j 11:24	19°♉35'46		
retrograde	-6904 Oct 14 j 10:45	21°♉48'37		
opposition	-6904 Dec 30 j 11:27	20°♉29'43	15°12'54	
min. Earth dist.	-6903 Jan 02 j 09:49	20°♉25'02	30.95177 AU	
direct	-6903 Mar 21 j 11:06	19°♉07'14		
evening set	-6903 Jul 02 j 12:18	21°♉28'17		
max. Earth dist.	-6903 Jul 03 j 14:01	21°♉30'39	32.78477 AU	
conjunction	-6903 Jul 06 j 16:59	21°♉37'36	14°28'01	
minimum elong	-6903 Jul 06 j 16:35	21°♉37'34	14°28'20	
morning rise	-6903 Jul 10 j 20:34	21°♉46'49		
retrograde	-6903 Oct 16 j 22:40	24°♉03'25		
opposition	-6902 Jan 02 j 00:13	22°♉44'06	15°33'43	
min. Earth dist.	-6902 Jan 04 j 22:16	22°♉39'24	30.75523 AU	
direct	-6902 Mar 23 j 21:47	21°♉21'11		
evening set	-6902 Jul 06 j 12:39	23°♉46'54		
max. Earth dist.	-6902 Jul 06 j 04:06	23°♉46'06	32.58816 AU	
conjunction	-6902 Jul 09 j 05:18	23°♉52'57	14°46'44	
minimum elong	-6902 Jul 09 j 04:53	23°♉52'55	14°47'05	
morning rise	-6902 Jul 11 j 21:02	23°♉58'55		
retrograde	-6902 Oct 19 j 13:13	26°♉20'09		
opposition	-6901 Jan 04 j 13:43	25°♉00'23	15°53'26	
min. Earth dist.	-6901 Jan 07 j 09:17	24°♉55'50	30.56453 AU	
direct	-6901 Mar 26 j 10:19	23°♉37'04		
max. Earth dist.	-6901 Jul 08 j 18:40	26°♉03'26	32.39777 AU	
conjunction	-6901 Jul 11 j 18:27	26°♉10'12	15°04'23	
minimum elong	-6901 Jul 11 j 18:04	26°♉10'10	15°04'44	
retrograde	-6901 Oct 22 j 04:00	28°♉38'44		
opposition	-6900 Jan 07 j 04:03	27°♉18'34	16°11'57	
min. Earth dist.	-6900 Jan 09 j 23:02	27°♉14'02	30.38050 AU	
direct	-6900 Mar 27 j 22:05	25°♉54'50		
max. Earth dist.	-6900 Jul 10 j 11:18	28°♉22'45	32.21469 AU	
conjunction	-6900 Jul 13 j 08:12	28°♉29'18	15°20'51	
minimum elong	-6900 Jul 13 j 07:48	28°♉29'15	15°21'13	
	-6900 Aug 24 j 20:40	0°♊		

Attention, astronomical year style is used: The year -6900 in astronomical counting style is the year 6901 BCE in historical counting style.

retrograde	-6900 Oct	23 j 20:07	0°♊59'09	
	-6900 Dec	26 j 12:36	30°℞♉	
opposition	-6899 Jan	08 j 19:16	29°♉38'34	16°29'10
min. Earth dist.	-6899 Jan	11 j 11:27	29°♉34'12	30.20390 AU
direct	-6899 Mar	30 j 14:03	28°♉14'28	
	-6899 Jun	23 j 16:36	0°♊	
max. Earth dist.	-6899 Jul	13 j 03:04	0°♊43'45	32.03960 AU
conjunction	-6899 Jul	15 j 22:33	0°♊50'13	15°36'02
minimum elong	-6899 Jul	15 j 22:12	0°♊50'11	15°36'24
retrograde	-6899 Oct	26 j 13:34	3°♊21'22	