Attention, astronomical year style is used: The year -5400 in astronomical counting style is the year 5401 BCE in historical counting style.

desc. node	-5400 Apr 07 j 16:50	24°♏57'22	
retrograde	-5400 Apr 17 j 04:53	25°♏01'58	
opposition	-5400 Jun 26 j 00:30	21°♏34'28	-0°08'41
min. Earth dist.	-5400 Jun 26 j 07:37	21°♏33'04	8.33274 AU
direct	-5400 Sep 01 j 10:13	18°♏11'56	
evening set	-5400 Dec 10 j 16:28	25°♏51'23	
conjunction	-5400 Dec 27 j 21:41	28°♏02'59	-0°23'16
minimum elong	-5400 Dec 27 j 21:40	28°♏02'59	0°23'32
max. Earth dist.	-5400 Dec 27 j 13:49	28°♏00'28	10.25877 AU
	-5399 Jan 12 j 04:24	0°♐	
morning rise	-5399 Jan 14 j 08:18	0°♐16'21	
retrograde	-5399 May 01 j 14:26	8°♐27'54	
opposition	-5399 Jul 09 j 22:32	4°♐58'42	-0°50'10
min. Earth dist.	-5399 Jul 10 j 02:30	4°♐57'55	8.18591 AU
direct	-5399 Sep 14 j 18:38	1°♐34'48	
evening set	-5399 Dec 24 j 12:32	9°♐25'07	
conjunction	-5398 Jan 10 j 22:09	11°♐40'04	-0°56'09
minimum elong	-5398 Jan 10 j 22:07	11°♐40'03	0°56'27
max. Earth dist.	-5398 Jan 10 j 18:28	11°♐38'53	10.11875 AU
morning rise	-5398 Jan 28 j 13:22	13°♐56'50	
retrograde	-5398 May 16 j 08:54	22°♐19'48	
opposition	-5398 Jul 24 j 04:26	18°♐49'11	-1°30'12
min. Earth dist.	-5398 Jul 24 j 04:56	18°♐49'05	8.05572 AU
direct	-5398 Sep 28 j 13:00	15°♐23'53	
evening set	-5397 Jan 07 j 22:21	23°♐25'02	
conjunction	-5397 Jan 25 j 12:12	25°♐43'02	-1°26'40
minimum elong	-5397 Jan 25 j 12:09	25°♐43'01	1°26'58
max. Earth dist.	-5397 Jan 25 j 13:47	25°♐43'33	9.99917 AU
morning rise	-5397 Feb 12 j 07:24	28°♐02'46	
	-5397 Feb 27 j 20:08	0°♑	
retrograde	-5397 May 31 j 10:47	6°♑35'08	
opposition	-5397 Aug 07 j 16:49	3°♑03'26	-2°05'58
min. Earth dist.	-5397 Aug 07 j 13:25	3°♑04'08	7.95015 AU
	-5397 Sep 22 j 11:31	30°℞♐	
direct	-5397 Oct 12 j 16:26	29°♐36'46	
	-5397 Nov 01 j 16:57	0°♑	
evening set	-5396 Jan 22 j 21:08	7°♑47'57	
conjunction	-5396 Feb 09 j 14:50	10°♑08'28	-1°52'30
minimum elong	-5396 Feb 09 j 14:46	10°♑08'27	1°52'49
max. Earth dist.	-5396 Feb 09 j 21:50	10°♑10'48	9.90775 AU
morning rise	-5396 Feb 27 j 13:12	12°♑30'32	
retrograde	-5396 Jun 14 j 17:12	21°♑09'11	
opposition	-5396 Aug 21 j 09:45	17°♑36'52	-2°34'31
min. Earth dist.	-5396 Aug 21 j 02:20	17°♑38'25	7.87621 AU
direct	-5396 Oct 26 j 03:56	14°♑08'58	
evening set	-5395 Feb 06 j 06:22	22°♑28'27	
conjunction	-5395 Feb 24 j 03:22	24°♑50'47	-2°11'32
minimum elong	-5395 Feb 24 j 03:19	24°♑50'46	2°11'50
max. Earth dist.	-5395 Feb 24 j 15:30	24°♑54'50	9.85101 AU
morning rise	-5395 Mar 14 j 04:05	27°♑14'20	
	-5395 Apr 05 j 02:23	0°♒	
retrograde	-5395 Jun 30 j 01:11	5°♒55'22	
opposition	-5395 Sep 05 j 05:17	2°♒22'56	-2°53'17
min. Earth dist.	-5395 Sep 04 j 18:14	2°♒25'16	7.83924 AU
	-5395 Oct 06 j 13:37	30°℞♑	
direct	-5395 Nov 09 j 22:38	28°♑54'00	
	-5395 Dec 13 j 23:34	0°♒	
evening set	-5394 Feb 21 j 22:23	7°♒19'06	
conjunction	-5394 Mar 11 j 22:06	9°♒42'24	-2°22'04
minimum elong	-5394 Mar 11 j 22:05	9°♒42'24	2°22'19
max. Earth dist.	-5394 Mar 12 j 14:42	9°♒47'57	9.83338 AU
morning rise	-5394 Mar 30 j 00:22	12°♒06'32	
	-5394 Apr 22 j 00:37	15°♒	
retrograde	-5394 Jul 15 j 06:23	20°♒45'35	
min. Earth dist.	-5394 Sep 19 j 10:50	17°♒16'30	7.84213 AU
opposition	-5394 Sep 20 j 00:41	17°♒13'35	-3°00'33
	-5394 Oct 18 j 18:44	15°℞♒	
direct	-5394 Nov 24 j 21:48	13°♒43'52	
	-5394 Dec 31 j 17:08	15°♒	
evening set	-5393 Mar 09 j 17:19	22°♒11'18	
conjunction	-5393 Mar 27 j 19:07	24°♒34'42	-2°23'11
minimum elong	-5393 Mar 27 j 19:08	24°♒34'42	2°23'23
max. Earth dist.	-5393 Mar 28 j 14:50	24°♒41'16	9.85643 AU
morning rise	-5393 Apr 14 j 22:08	26°♒58'28	
	-5393 May 09 j 04:29	0°♓	
retrograde	-5393 Jul 30 j 05:29	5°♓31'11	
opposition	-5393 Oct 04 j 17:10	2°♓00'07	-2°55'45
min. Earth dist.	-5393 Oct 04 j 01:51	2°♓03'20	7.88484 AU
	-5393 Oct 30 j 03:19	30°℞♒	
direct	-5393 Dec 09 j 22:27	28°♒29'57	
	-5392 Jan 19 j 09:36	0°♓	
evening set	-5392 Mar 24 j 10:34	6°♓56'12	
conjunction	-5392 Apr 11 j 13:34	9°♓18'47	-2°14'55
minimum elong	-5392 Apr 11 j 13:37	9°♓18'48	2°15'04
max. Earth dist.	-5392 Apr 12 j 10:46	9°♓25'47	9.91857 AU
morning rise	-5392 Apr 29 j 16:28	11°♓41'16	
retrograde	-5392 Aug 12 j 20:05	20°♓04'01	
opposition	-5392 Oct 18 j 04:38	16°♓34'21	-2°39'37
min. Earth dist.	-5392 Oct 17 j 12:59	16°♓37'37	7.96442 AU
direct	-5392 Dec 23 j 21:47	13°♓04'09	
evening set	-5391 Apr 08 j 21:43	21°♓25'47	
conjunction	-5391 Apr 27 j 00:57	23°♓46'44	-1°58'14
minimum elong	-5391 Apr 27 j 01:01	23°♓46'46	1°58'18
max. Earth dist.	-5391 Apr 27 j 22:08	23°♓53'39	10.01539 AU
morning rise	-5391 May 15 j 02:47	26°♓07'09	
	-5391 Jun 16 j 16:03	0°♈	
retrograde	-5391 Aug 27 j 00:14	4°♈17'23	
opposition	-5391 Nov 01 j 09:02	0°♈49'25	-2°13'55
min. Earth dist.	-5391 Oct 31 j 17:43	0°♈52'35	8.07537 AU
	-5391 Nov 11 j 10:19	30°℞♓	
direct	-5390 Jan 07 j 17:09	27°♓19'31	
	-5390 Mar 04 j 19:56	0°♈	
evening set	-5390 Apr 23 j 23:48	5°♈33'50	
conjunction	-5390 May 12 j 02:12	7°♈52'27	-1°34'46
minimum elong	-5390 May 12 j 02:15	7°♈52'29	1°34'45
max. Earth dist.	-5390 May 12 j 22:03	7°♈58'50	10.14016 AU
morning rise	-5390 May 30 j 02:00	10°♈10'08	
retrograde	-5390 Sep 09 j 16:25	18°♈06'28	
opposition	-5390 Nov 15 j 04:58	14°♈40'25	-1°41'05
min. Earth dist.	-5390 Nov 14 j 14:34	14°♈43'21	8.21025 AU
direct	-5389 Jan 22 j 06:56	11°♈11'09	
evening set	-5389 May 08 j 14:32	19°♈16'15	
conjunction	-5389 May 26 j 14:57	21°♈31'59	-1°06'30
minimum elong	-5389 May 26 j 15:00	21°♈32'00	1°06'25
max. Earth dist.	-5389 May 27 j 08:28	21°♈37'31	10.28452 AU
morning rise	-5389 Jun 13 j 11:41	23°♈46'28	
	-5389 Aug 13 j 05:20	0°♉	
retrograde	-5389 Sep 22 j 20:35	1°♉28'42	
	-5389 Nov 03 j 05:55	30°℞♈	

Command: swevents -p6 -doall -doing45 -mpdf -eswe -b1.1.-5400 -n183366 -roundmin

Attention, astronomical year style is used: The year -5389 in astronomical counting style is the year 5390 BCE in historical counting style.

opposition	-5389 Nov 28 j 16:09	28°♈04'37	-1°03'48
min. Earth dist.	-5389 Nov 28 j 02:58	28°♈07'16	8.36040 AU
direct	-5388 Feb 05 j 12:12	24°♈36'17	
	-5388 Apr 30 j 04:12	0°♉	
evening set	-5388 May 21 j 16:32	2°♉31'04	
conjunction	-5388 Jun 08 j 13:52	4°♉43'33	-0°35'32
minimum elong	-5388 Jun 08 j 13:54	4°♉43'34	0°35'22
max. Earth dist.	-5388 Jun 09 j 04:44	4°♉48'10	10.43941 AU
morning rise	-5388 Jun 26 j 06:34	6°♉54'35	
retrograde	-5388 Oct 04 j 15:14	14°♉23'30	
opposition	-5388 Dec 10 j 18:30	11°♉01'18	-0°24'35
min. Earth dist.	-5388 Dec 10 j 07:38	11°♉03'27	8.51680 AU
direct	-5387 Feb 18 j 07:09	7°♉34'05	
	-5387 Jun 01 j 16:13	15°♉	
evening set	-5387 Jun 04 j 05:42	15°♉18'20	
conjunction	-5387 Jun 21 j 23:02	17°♉27'27	-0°03'46
minimum elong	-5387 Jun 21 j 23:03	17°♉27'27	0°03'33
behind sun begin	-5387 Jun 21 j 15:54	17°♉25'18	
behind sun end	-5387 Jun 22 j 06:12	17°♉29'37	
max. Earth dist.	-5387 Jun 22 j 10:31	17°♉30'57	10.59572 AU
morning rise	-5387 Jul 09 j 11:07	19°♉34'59	
asc. node	-5387 Aug 05 j 06:12	22°♉36'48	
retrograde	-5387 Oct 17 j 00:58	26°♉51'57	
opposition	-5387 Dec 23 j 12:28	23°♉31'34	0°14'23
min. Earth dist.	-5387 Dec 23 j 05:12	23°♉32'59	8.67065 AU
direct	-5386 Mar 03 j 15:10	20°♉05'33	
evening set	-5386 Jun 17 j 06:35	27°♉39'48	
conjunction	-5386 Jul 04 j 19:12	29°♉45'37	0°27'22
minimum elong	-5386 Jul 04 j 19:11	29°♉45'37	0°27'38
max. Earth dist.	-5386 Jul 05 j 01:57	29°♉47'39	10.74509 AU
	-5386 Jul 06 j 18:55	0°♊	
morning rise	-5386 Jul 22 j 02:22	1°♊49'50	
retrograde	-5386 Oct 29 j 00:10	8°♊56'42	
opposition	-5385 Jan 04 j 23:16	5°♊37'59	0°51'23
min. Earth dist.	-5385 Jan 04 j 19:59	5°♊38'37	8.81440 AU
direct	-5385 Mar 16 j 16:28	2°♊13'13	
evening set	-5385 Jun 29 j 20:13	9°♊38'23	
conjunction	-5385 Jul 17 j 03:40	11°♊41'05	0°56'23
minimum elong	-5385 Jul 17 j 03:38	11°♊41'04	0°56'40
max. Earth dist.	-5385 Jul 17 j 05:18	11°♊41'34	10.88120 AU
morning rise	-5385 Aug 03 j 05:55	13°♊42'15	
retrograde	-5385 Nov 09 j 17:56	20°♊41'03	
opposition	-5384 Jan 17 j 03:55	17°♊23'40	1°25'05
min. Earth dist.	-5384 Jan 17 j 03:45	17°♊23'42	8.94269 AU
direct	-5384 Mar 28 j 08:57	14°♊00'11	
evening set	-5384 Jul 10 j 23:46	21°♊17'17	
conjunction	-5384 Jul 28 j 02:08	23°♊17'11	1°22'21
minimum elong	-5384 Jul 28 j 02:05	23°♊17'10	1°22'39
max. Earth dist.	-5384 Jul 27 j 23:45	23°♊16'29	10.99956 AU
morning rise	-5384 Aug 13 j 23:35	25°♊15'39	
	-5384 Sep 30 j 01:53	0°♋	
retrograde	-5384 Nov 20 j 06:34	2°♋08'20	
	-5383 Jan 12 j 15:52	30°℞♊	
opposition	-5383 Jan 28 j 03:32	28°♊51'57	1°54'28
min. Earth dist.	-5383 Jan 28 j 05:57	28°♊51'30	9.05129 AU
direct	-5383 Apr 09 j 16:46	25°♊29'39	
	-5383 Jun 28 j 05:34	0°♋	
evening set	-5383 Jul 22 j 18:30	2°♋39'49	
conjunction	-5383 Aug 08 j 16:09	4°♋37'20	1°44'32
minimum elong	-5383 Aug 08 j 16:07	4°♋37'19	1°44'50
max. Earth dist.	-5383 Aug 08 j 10:55	4°♋35'49	11.09630 AU
morning rise	-5383 Aug 25 j 09:07	6°♋33'34	
retrograde	-5383 Dec 01 j 16:57	13°♋22'03	
opposition	-5382 Feb 08 j 23:28	10°♋06'20	2°18'49
min. Earth dist.	-5382 Feb 09 j 04:55	10°♋05'20	9.13661 AU
direct	-5382 Apr 21 j 18:58	6°♋45'05	
evening set	-5382 Aug 03 j 06:15	13°♋49'36	
conjunction	-5382 Aug 19 j 23:30	15°♋45'11	2°02'22
minimum elong	-5382 Aug 19 j 23:28	15°♋45'11	2°02'41
max. Earth dist.	-5382 Aug 19 j 15:01	15°♋42'44	11.16828 AU
morning rise	-5382 Sep 05 j 12:39	17°♋39'40	
retrograde	-5382 Dec 13 j 00:05	24°♋25'47	
opposition	-5381 Feb 20 j 16:56	21°♋10'25	2°37'37
min. Earth dist.	-5381 Feb 21 j 02:00	21°♋08'45	9.19600 AU
direct	-5381 May 03 j 14:10	17°♋50'02	
evening set	-5381 Aug 14 j 12:24	24°♋50'15	
conjunction	-5381 Aug 31 j 01:51	26°♋44'24	2°15'29
minimum elong	-5381 Aug 31 j 01:49	26°♋44'23	2°15'47
max. Earth dist.	-5381 Aug 30 j 13:33	26°♋40'50	11.21351 AU
morning rise	-5381 Sep 16 j 12:09	28°♋37'42	
	-5381 Sep 28 j 21:13	0°♌	
retrograde	-5381 Dec 24 j 06:02	5°♌23'19	
opposition	-5380 Mar 03 j 09:15	2°♌07'55	2°50'31
min. Earth dist.	-5380 Mar 03 j 20:46	2°♌05'49	9.22775 AU
	-5380 Apr 04 j 02:03	30°℞♋	
direct	-5380 May 14 j 06:58	28°♋48'14	
	-5380 Jun 22 j 15:59	0°♌	
evening set	-5380 Aug 24 j 14:22	5°♌45'28	
max. Earth dist.	-5380 Sep 09 j 10:38	7°♌34'36	11.23070 AU
conjunction	-5380 Sep 10 j 01:02	7°♌38'46	2°23'34
minimum elong	-5380 Sep 10 j 01:00	7°♌38'46	2°23'50
morning rise	-5380 Sep 26 j 09:21	9°♌31'26	
	-5380 Nov 24 j 04:38	15°♌	
retrograde	-5379 Jan 03 j 15:11	16°♌18'21	
	-5379 Feb 14 j 06:12	15°℞♌	
opposition	-5379 Mar 15 j 01:28	13°♌02'36	2°57'15
min. Earth dist.	-5379 Mar 15 j 14:21	13°♌00'15	9.23085 AU
direct	-5379 May 25 j 21:24	9°♌43'27	
	-5379 Aug 20 j 14:42	15°♌	
evening set	-5379 Sep 04 j 14:09	16°♌39'06	
conjunction	-5379 Sep 20 j 23:05	18°♌32'09	2°26'27
minimum elong	-5379 Sep 20 j 23:05	18°♌32'09	2°26'40
max. Earth dist.	-5379 Sep 20 j 07:37	18°♌27'39	11.21927 AU
morning rise	-5379 Oct 07 j 06:16	20°♌24'47	
retrograde	-5378 Jan 15 j 02:19	27°♌14'42	
opposition	-5378 Mar 26 j 18:55	23°♌58'19	2°57'39
min. Earth dist.	-5378 Mar 27 j 09:09	23°♌55'43	9.20519 AU
direct	-5378 Jun 06 j 08:39	20°♌39'32	
evening set	-5378 Sep 15 j 13:34	27°♌35'03	
conjunction	-5378 Oct 01 j 21:36	29°♌28'24	2°24'01
minimum elong	-5378 Oct 01 j 21:37	29°♌28'25	2°24'11
max. Earth dist.	-5378 Oct 01 j 04:15	29°♌23'21	11.17969 AU
	-5378 Oct 06 j 10:07	0°♍	
morning rise	-5378 Oct 18 j 04:54	1°♍21'38	
retrograde	-5377 Jan 26 j 18:39	8°♍16'16	
opposition	-5377 Apr 07 j 15:14	4°♍59'01	2°51'34
min. Earth dist.	-5377 Apr 08 j 07:05	4°♍56'07	9.15169 AU
direct	-5377 Jun 17 j 20:37	1°♍40'24	
evening set	-5377 Sep 26 j 14:09	8°♍37'11	
conjunction	-5377 Oct 12 j 22:21	10°♍31'28	2°16'12
minimum elong	-5377 Oct 12 j 22:23	10°♍31'28	2°16'19
max. Earth dist.	-5377 Oct 12 j 03:38	10°♍25'58	11.11324 AU

Attention, astronomical year style is used: The year -5377 in astronomical counting style is the year 5378 BCE in historical counting style.

morning rise	-5377 Oct 29 j 06:59	12°♍25'55	
retrograde	-5376 Feb 07 j 14:25	19°♍26'56	
opposition	-5376 Apr 18 j 15:23	16°♍08'31	2°39'00
min. Earth dist.	-5376 Apr 19 j 07:56	16°♍05'29	9.07198 AU
direct	-5376 Jun 28 j 09:58	12°♍49'53	
evening set	-5376 Oct 06 j 18:00	19°♍49'27	
max. Earth dist.	-5376 Oct 22 j 09:16	21°♍39'48	11.02187 AU
conjunction	-5376 Oct 23 j 03:35	21°♍45'14	2°03'04
minimum elong	-5376 Oct 23 j 03:38	21°♍45'14	2°03'09
morning rise	-5376 Nov 08 j 14:26	23°♍41'28	
	-5375 Jan 17 j 10:56	0°♎	
retrograde	-5375 Feb 18 j 19:39	0°♎50'28	
	-5375 Mar 23 j 19:03	30°℞♍	
opposition	-5375 Apr 30 j 20:16	27°♍30'41	2°20'01
min. Earth dist.	-5375 May 01 j 12:01	27°♍27'46	8.96854 AU
direct	-5375 Jul 10 j 03:45	24°♍11'50	
	-5375 Oct 07 j 04:06	0°♎	
evening set	-5375 Oct 18 j 03:01	1°♎15'39	
conjunction	-5375 Nov 03 j 14:55	3°♎13'30	1°44'48
minimum elong	-5375 Nov 03 j 14:58	3°♎13'31	1°44'49
max. Earth dist.	-5375 Nov 02 j 21:40	3°♎08'19	10.90845 AU
morning rise	-5375 Nov 20 j 04:52	5°♎12'05	
retrograde	-5374 Mar 03 j 10:03	12°♎30'32	
opposition	-5374 May 13 j 07:30	9°♎09'13	1°54'51
min. Earth dist.	-5374 May 13 j 21:54	9°♎06'32	8.84489 AU
direct	-5374 Jul 21 j 23:51	5°♎49'59	
evening set	-5374 Oct 29 j 19:07	12°♎59'30	
conjunction	-5374 Nov 15 j 10:00	14°♎59'53	1°21'43
minimum elong	-5374 Nov 15 j 10:03	14°♎59'54	1°21'41
max. Earth dist.	-5374 Nov 14 j 17:33	14°♎54'53	10.77710 AU
morning rise	-5374 Dec 02 j 03:58	17°♎01'19	
retrograde	-5373 Mar 16 j 08:27	24°♎30'34	
opposition	-5373 May 26 j 01:58	21°♎07'36	1°24'00
min. Earth dist.	-5373 May 26 j 15:00	21°♎05'08	8.70579 AU
direct	-5373 Aug 03 j 02:21	17°♎47'44	
evening set	-5373 Nov 10 j 20:27	25°♎04'26	
conjunction	-5373 Nov 27 j 15:00	27°♎07'47	0°54'26
minimum elong	-5373 Nov 27 j 15:02	27°♎07'48	0°54'19
max. Earth dist.	-5373 Nov 26 j 23:55	27°♎03'08	10.63301 AU
morning rise	-5373 Dec 14 j 13:40	29°♎12'27	
	-5373 Dec 21 j 04:33	0°♏	
retrograde	-5372 Mar 28 j 17:31	6°♏53'31	
opposition	-5372 Jun 07 j 04:09	3°♏28'50	0°48'15
min. Earth dist.	-5372 Jun 07 j 15:32	3°♏26'39	8.55710 AU
direct	-5372 Aug 14 j 12:47	0°♏08'09	
evening set	-5372 Nov 22 j 08:38	7°♏33'23	
conjunction	-5372 Dec 09 j 07:27	9°♏40'00	0°23'47
minimum elong	-5372 Dec 09 j 07:28	9°♏40'00	0°23'36
max. Earth dist.	-5372 Dec 08 j 19:32	9°♏36'16	10.48232 AU
morning rise	-5372 Dec 26 j 11:01	11°♏48'10	
	-5371 Jan 22 j 23:59	15°♏	
retrograde	-5371 Apr 11 j 13:10	19°♏41'41	
opposition	-5371 Jun 20 j 14:36	16°♏15'18	0°08'50
min. Earth dist.	-5371 Jun 20 j 23:06	16°♏13'39	8.40552 AU
	-5371 Jul 07 j 02:09	15°℞♏	
direct	-5371 Aug 27 j 07:25	12°♏53'38	
desc. node	-5371 Sep 10 j 09:57	13°♏04'32	
	-5371 Oct 15 j 09:38	15°♏	
evening set	-5371 Dec 05 j 09:13	20°♏28'31	
conjunction	-5371 Dec 22 j 12:32	22°♏38'33	-0°09'03
minimum elong	-5371 Dec 22 j 12:31	22°♏38'32	0°09'18
behind sun begin	-5371 Dec 22 j 06:31	22°♏36'39	
behind sun end	-5371 Dec 22 j 18:32	22°♏40'26	
max. Earth dist.	-5371 Dec 22 j 04:49	22°♏36'06	10.33203 AU
morning rise	-5370 Jan 08 j 20:55	24°♏50'16	
	-5370 Feb 24 j 10:05	0°♐	
retrograde	-5370 Apr 25 j 18:54	2°♐56'21	
	-5370 Jun 27 j 16:49	30°℞♏	
opposition	-5370 Jul 04 j 09:26	29°♏28'19	-0°32'29
min. Earth dist.	-5370 Jul 04 j 14:02	29°♏27'25	8.25856 AU
direct	-5370 Sep 09 j 12:01	26°♏05'32	
	-5370 Nov 16 j 05:16	0°♐	
evening set	-5370 Dec 18 j 23:28	3°♐50'50	
conjunction	-5369 Jan 05 j 07:15	6°♐04'15	-0°42'17
minimum elong	-5369 Jan 05 j 07:12	6°♐04'15	0°42'34
max. Earth dist.	-5369 Jan 05 j 03:58	6°♐03'12	10.18998 AU
morning rise	-5369 Jan 22 j 20:17	8°♐19'26	
retrograde	-5369 May 10 j 10:52	16°♐37'19	
opposition	-5369 Jul 18 j 12:06	13°♐07'50	-1°13'26
min. Earth dist.	-5369 Jul 18 j 12:42	13°♐07'42	8.12411 AU
direct	-5369 Sep 23 j 01:05	9°♐43'46	
evening set	-5368 Jan 02 j 03:36	17°♐39'46	
conjunction	-5368 Jan 19 j 15:36	19°♐56'19	-1°14'04
minimum elong	-5368 Jan 19 j 15:33	19°♐56'18	1°14'22
max. Earth dist.	-5368 Jan 19 j 16:24	19°♐56'35	10.06393 AU
morning rise	-5368 Feb 06 j 08:54	22°♐14'38	
	-5368 Apr 26 j 01:10	0°♑	
retrograde	-5368 May 24 j 11:01	0°♑42'40	
	-5368 Jun 21 j 23:08	30°℞♐	
opposition	-5368 Jul 31 j 21:44	27°♐12'00	-1°51'20
min. Earth dist.	-5368 Jul 31 j 18:50	27°♐12'36	8.00945 AU
direct	-5368 Oct 05 j 23:29	23°♐46'35	
	-5368 Dec 31 j 23:26	0°♑	
evening set	-5367 Jan 15 j 20:57	1°♑52'55	
conjunction	-5367 Feb 02 j 12:47	4°♑12'10	-1°42'09
minimum elong	-5367 Feb 02 j 12:43	4°♑12'09	1°42'27
max. Earth dist.	-5367 Feb 02 j 17:19	4°♑13'41	9.96081 AU
morning rise	-5367 Feb 20 j 09:39	6°♑33'04	
retrograde	-5367 Jun 08 j 16:20	15°♑08'47	
opposition	-5367 Aug 15 j 12:48	11°♑37'20	-2°23'14
min. Earth dist.	-5367 Aug 15 j 07:05	11°♑38'30	7.92101 AU
direct	-5367 Oct 20 j 07:13	8°♑10'35	
evening set	-5366 Jan 31 j 01:44	16°♑26'09	
conjunction	-5366 Feb 17 j 21:02	18°♑47'32	-2°04'18
minimum elong	-5366 Feb 17 j 20:59	18°♑47'31	2°04'36
max. Earth dist.	-5366 Feb 18 j 05:35	18°♑50'23	9.88708 AU
morning rise	-5366 Mar 07 j 20:45	21°♑10'21	
retrograde	-5366 Jun 24 j 00:11	29°♑50'22	
opposition	-5366 Aug 30 j 07:28	26°♑18'35	-2°46'26
min. Earth dist.	-5366 Aug 29 j 23:01	26°♑20'21	7.86511 AU
direct	-5366 Nov 03 j 23:47	22°♑50'39	
	-5365 Feb 06 j 04:03	0°♒	
evening set	-5365 Feb 15 j 15:12	1°♒13'18	
conjunction	-5365 Mar 05 j 13:34	3°♒36'06	-2°18'36
minimum elong	-5365 Mar 05 j 13:32	3°♒36'06	2°18'53
max. Earth dist.	-5365 Mar 06 j 02:11	3°♒40'19	9.84898 AU
morning rise	-5365 Mar 23 j 15:19	5°♒59'58	
retrograde	-5365 Jul 09 j 06:02	14°♒40'07	
opposition	-5365 Sep 14 j 03:16	11°♒08'27	-2°58'46
min. Earth dist.	-5365 Sep 13 j 16:12	11°♒10'47	7.84688 AU
direct	-5365 Nov 18 j 22:22	7°♒39'31	
	-5364 Feb 22 j 20:27	15°♒	
evening set	-5364 Mar 02 j 09:32	16°♒06'11	

Attention, astronomical year style is used: The year -5364 in astronomical counting style is the year 5365 BCE in historical counting style.

conjunction	-5364 Mar 20 j 10:19	18°♒29'32	-2°23'48	
minimum elong	-5364 Mar 20 j 10:20	18°♒29'32	2°24'01	
max. Earth dist.	-5364 Mar 21 j 02:31	18°♒34'56	9.85042 AU	
morning rise	-5364 Apr 07 j 13:12	20°♒53'29		
retrograde	-5364 Jul 23 j 06:50	29°♒29'19		
opposition	-5364 Sep 27 j 21:21	25°♒58'13	-2°59'09	
min. Earth dist.	-5364 Sep 27 j 08:00	26°♒01'01	7.86848 AU	
direct	-5364 Dec 02 j 23:09	22°♒28'33		
	-5363 Mar 10 j 22:49	0°♓		
evening set	-5363 Mar 18 j 03:59	0°♓55'39		
conjunction	-5363 Apr 05 j 06:30	3°♓18'39	-2°19'30	
minimum elong	-5363 Apr 05 j 06:33	3°♓18'40	2°19'40	
max. Earth dist.	-5363 Apr 06 j 01:30	3°♓24'57	9.89192 AU	
morning rise	-5363 Apr 23 j 09:37	5°♓41'45		
retrograde	-5363 Aug 07 j 00:59	14°♓09'13		
opposition	-5363 Oct 12 j 11:17	10°♓39'07	-2°47'45	
min. Earth dist.	-5363 Oct 11 j 20:09	10°♓42'16	7.92859 AU	
direct	-5363 Dec 17 j 23:30	7°♓09'02		
evening set	-5362 Apr 02 j 18:05	15°♓32'59		
conjunction	-5362 Apr 20 j 21:29	17°♓54'46	-2°06'17	
minimum elong	-5362 Apr 20 j 21:32	17°♓54'47	2°06'22	
max. Earth dist.	-5362 Apr 21 j 18:05	18°♓01'31	9.97045 AU	
morning rise	-5362 May 08 j 23:55	20°♓16'09		
retrograde	-5362 Aug 21 j 10:00	28°♓32'09		
opposition	-5362 Oct 26 j 18:50	25°♓03'22	-2°25'56	
min. Earth dist.	-5362 Oct 26 j 03:11	25°♓06'37	8.02279 AU	
direct	-5361 Jan 01 j 20:25	21°♓33'15		
evening set	-5361 Apr 18 j 00:29	29°♓51'01		
	-5361 Apr 19 j 04:48	0°♈		
conjunction	-5361 May 06 j 03:36	2°♈10'47	-1°45'31	
minimum elong	-5361 May 06 j 03:40	2°♈10'48	1°45'32	
max. Earth dist.	-5361 May 07 j 00:06	2°♈17'25	10.08011 AU	
morning rise	-5361 May 24 j 04:20	4°♈29'45		
retrograde	-5361 Sep 04 j 08:21	12°♈32'18		
opposition	-5361 Nov 09 j 18:26	9°♈05'10	-1°55'53	
min. Earth dist.	-5361 Nov 09 j 03:36	9°♈08'13	8.14440 AU	
direct	-5360 Jan 16 j 12:25	5°♈35'20		
evening set	-5360 May 01 j 20:14	13°♈44'39		
conjunction	-5360 May 19 j 21:49	16°♈01'47	-1°19'05	
minimum elong	-5360 May 19 j 21:53	16°♈01'48	1°19'01	
max. Earth dist.	-5360 May 20 j 16:41	16°♈07'47	10.21330 AU	
morning rise	-5360 Jun 06 j 19:53	18°♈17'45		
retrograde	-5360 Sep 16 j 17:35	26°♈06'12		
opposition	-5360 Nov 22 j 09:27	22°♈40'53	-1°20'13	
min. Earth dist.	-5360 Nov 21 j 20:28	22°♈43'31	8.28552 AU	
direct	-5359 Jan 29 j 21:15	19°♈11'42		
evening set	-5359 May 16 j 03:31	27°♈11'07		
conjunction	-5359 Jun 03 j 02:24	29°♈25'08	-0°49'03	
minimum elong	-5359 Jun 03 j 02:26	29°♈25'09	0°48'55	
max. Earth dist.	-5359 Jun 03 j 18:15	29°♈30'06	10.36157 AU	
	-5359 Jun 07 j 17:45	0°♉		
morning rise	-5359 Jun 20 j 20:59	1°♉37'47		
retrograde	-5359 Sep 29 j 15:38	9°♉12'31		
opposition	-5359 Dec 05 j 15:28	5°♉49'03	-0°41'33	
min. Earth dist.	-5359 Dec 05 j 04:47	5°♉51'11	8.43770 AU	
direct	-5358 Feb 12 j 20:51	2°♉20'46		
evening set	-5358 May 29 j 22:08	10°♉09'45		
conjunction	-5358 Jun 16 j 17:18	12°♉20'27	-0°17'25	
minimum elong	-5358 Jun 16 j 17:19	12°♉20'27	0°17'13	
max. Earth dist.	-5358 Jun 17 j 05:08	12°♉24'05	10.51641 AU	
morning rise	-5358 Jul 04 j 07:40	14°♉29'37		
	-5358 Jul 08 j 13:07	15°♉		
retrograde	-5358 Oct 12 j 03:41	21°♉51'43		
opposition	-5358 Dec 18 j 12:42	18°♉30'03	-0°02'14	
min. Earth dist.	-5358 Dec 18 j 04:10	18°♉31'43	8.59267 AU	
asc. node	-5357 Jan 09 j 04:33	16°♉52'06		
direct	-5357 Feb 26 j 10:39	15°♉02'55		
evening set	-5357 Jun 12 j 04:05	22°♉41'35		
conjunction	-5357 Jun 29 j 18:50	24°♉48'54	0°14'12	
minimum elong	-5357 Jun 29 j 18:50	24°♉48'54	0°14'26	
behind sun begin	-5357 Jun 29 j 15:41	24°♉47'57		
behind sun end	-5357 Jun 29 j 21:58	24°♉49'50		
max. Earth dist.	-5357 Jun 30 j 03:09	24°♉51'25	10.66988 AU	
morning rise	-5357 Jul 17 j 04:23	26°♉54'38		
	-5357 Aug 13 j 19:21	0°♊		
retrograde	-5357 Oct 24 j 06:32	4°♊05'44		
opposition	-5357 Dec 31 j 02:17	0°♊45'44	0°35'47	
min. Earth dist.	-5357 Dec 30 j 20:02	0°♊46'57	8.74292 AU	
	-5356 Jan 10 j 00:44	30°℞♉		
direct	-5356 Mar 10 j 15:34	27°♉19'54		
	-5356 May 08 j 12:24	0°♊		
evening set	-5356 Jun 23 j 21:58	4°♊48'49		
conjunction	-5356 Jul 11 j 07:52	6°♊52'54	0°44'11	
minimum elong	-5356 Jul 11 j 07:50	6°♊52'53	0°44'27	
max. Earth dist.	-5356 Jul 11 j 13:05	6°♊54'27	10.81499 AU	
morning rise	-5356 Jul 28 j 12:17	8°♊55'23		
retrograde	-5356 Nov 04 j 03:45	15°♊57'22		
opposition	-5355 Jan 11 j 09:06	12°♊38'53	1°11'01	
min. Earth dist.	-5355 Jan 11 j 05:55	12°♊39'29	8.88197 AU	
direct	-5355 Mar 23 j 09:58	9°♊14'24		
evening set	-5355 Jul 06 j 05:19	16°♊34'34		
conjunction	-5355 Jul 23 j 10:05	18°♊35'39	1°11'33	
minimum elong	-5355 Jul 23 j 10:02	18°♊35'38	1°11'50	
max. Earth dist.	-5355 Jul 23 j 11:39	18°♊36'07	10.94578 AU	
morning rise	-5355 Aug 09 j 09:30	20°♊35'13		
retrograde	-5355 Nov 15 j 17:41	27°♊30'00		
opposition	-5354 Jan 23 j 10:09	24°♊12'49	1°42'19	
min. Earth dist.	-5354 Jan 23 j 10:52	24°♊12'41	9.00435 AU	
direct	-5354 Apr 04 j 19:45	20°♊49'40		
evening set	-5354 Jul 18 j 03:24	28°♊02'19		
conjunction	-5354 Aug 04 j 03:01	0°♋00'45	1°35'24	
minimum elong	-5354 Aug 04 j 02:58	0°♋00'44	1°35'42	
max. Earth dist.	-5354 Aug 03 j 23:55	29°♊59'50	11.05738 AU	
	-5354 Aug 04 j 00:28	0°♋		
morning rise	-5354 Aug 20 j 21:55	1°♋57'51		
retrograde	-5354 Nov 27 j 03:10	8°♋47'26		
opposition	-5353 Feb 04 j 07:00	5°♋31'16	2°08'52	
min. Earth dist.	-5353 Feb 04 j 10:51	5°♋30'33	9.10552 AU	
direct	-5353 Apr 17 j 00:36	2°♋09'23		
evening set	-5353 Jul 29 j 17:30	9°♋15'45		
conjunction	-5353 Aug 15 j 12:29	11°♋12'00	1°55'09	
minimum elong	-5353 Aug 15 j 12:26	11°♋11'59	1°55'27	
max. Earth dist.	-5353 Aug 15 j 05:48	11°♋10'04	11.14591 AU	
morning rise	-5353 Sep 01 j 03:19	13°♋07'04		
retrograde	-5353 Dec 08 j 11:00	19°♋53'27		
opposition	-5352 Feb 16 j 00:51	16°♋37'57	2°30'04	
min. Earth dist.	-5352 Feb 16 j 06:54	16°♋36'50	9.18195 AU	
direct	-5352 Apr 27 j 22:31	13°♋17'16		
evening set	-5352 Aug 09 j 01:22	20°♋18'39		
conjunction	-5352 Aug 25 j 16:26	22°♋13'13	2°10'19	
minimum elong	-5352 Aug 25 j 16:24	22°♋13'12	2°10'37	
max. Earth dist.	-5352 Aug 25 j 07:34	22°♋10'39	11.20841 AU	

Attention, astronomical year style is used: The year -5352 in astronomical counting style is the year 5353 BCE in historical counting style.

morning rise	-5352 Sep 11 j 03:49	24°♋06'49		
	-5352 Nov 16 j 05:09	0°♌		
retrograde	-5352 Dec 18 j 18:24	0°♌51'50		
	-5351 Jan 20 j 23:50	30°℞♋		
opposition	-5351 Feb 26 j 16:52	27°♋36'41	2°45'31	
min. Earth dist.	-5351 Feb 27 j 01:31	27°♋35'06	9.23113 AU	
direct	-5351 May 09 j 15:33	24°♋17'00		
	-5351 Aug 08 j 22:38	0°♌		
evening set	-5351 Aug 20 j 04:39	1°♌14'46		
conjunction	-5351 Sep 05 j 16:30	3°♌08'13	2°20'35	
minimum elong	-5351 Sep 05 j 16:29	3°♌08'12	2°20'53	
max. Earth dist.	-5351 Sep 05 j 04:45	3°♌04'49	11.24289 AU	
morning rise	-5351 Sep 22 j 01:24	5°♌00'54		
retrograde	-5351 Dec 30 j 02:15	11°♌46'20		
opposition	-5350 Mar 10 j 08:36	8°♌31'12	2°54'55	
min. Earth dist.	-5350 Mar 10 j 20:18	8°♌29'05	9.25145 AU	
direct	-5350 May 21 j 04:36	5°♌12'19		
evening set	-5350 Aug 31 j 05:02	12°♌07'51		
conjunction	-5350 Sep 16 j 14:26	14°♌00'44	2°25'45	
minimum elong	-5350 Sep 16 j 14:25	14°♌00'44	2°25'59	
max. Earth dist.	-5350 Sep 15 j 23:29	13°♌56'25	11.24822 AU	
	-5350 Sep 25 j 03:54	15°♌		
morning rise	-5350 Oct 02 j 21:58	15°♌53'07		
retrograde	-5349 Jan 10 j 10:16	22°♌40'44		
opposition	-5349 Mar 22 j 01:07	19°♌25'15	2°58'03	
min. Earth dist.	-5349 Mar 22 j 15:09	19°♌22'42	9.24214 AU	
direct	-5349 Jun 01 j 17:06	16°♌06'55		
evening set	-5349 Sep 11 j 04:06	23°♌01'38		
conjunction	-5349 Sep 27 j 12:13	24°♌54'31	2°25'38	
minimum elong	-5349 Sep 27 j 12:14	24°♌54'32	2°25'49	
max. Earth dist.	-5349 Sep 26 j 19:36	24°♌49'42	11.22408 AU	
morning rise	-5349 Oct 13 j 19:22	26°♌47'11		
	-5349 Nov 13 j 03:37	0°♍		
retrograde	-5348 Jan 22 j 00:41	3°♍38'45		
opposition	-5348 Apr 01 j 19:36	0°♍22'32	2°54'49	
min. Earth dist.	-5348 Apr 02 j 10:32	0°♍19'50	9.20310 AU	
	-5348 Apr 06 j 23:44	30°℞♌		
direct	-5348 Jun 12 j 05:56	27°♌04'31		
	-5348 Aug 13 j 10:12	0°♍		
evening set	-5348 Sep 21 j 03:31	3°♍59'47		
conjunction	-5348 Oct 07 j 11:34	5°♍53'21	2°20'11	
minimum elong	-5348 Oct 07 j 11:35	5°♍53'21	2°20'19	
max. Earth dist.	-5348 Oct 06 j 18:09	5°♍48'16	11.17056 AU	
morning rise	-5348 Oct 23 j 19:17	7°♍46'56		
retrograde	-5347 Feb 01 j 18:49	14°♍44'05		
opposition	-5347 Apr 13 j 17:20	11°♍26'51	2°45'07	
min. Earth dist.	-5347 Apr 14 j 09:10	11°♍23'58	9.13477 AU	
direct	-5347 Jun 23 j 16:51	8°♍08'54		
evening set	-5347 Oct 02 j 05:28	15°♍06'18		
conjunction	-5347 Oct 18 j 14:14	17°♍01'06	2°09'24	
minimum elong	-5347 Oct 18 j 14:17	17°♍01'07	2°09'29	
max. Earth dist.	-5347 Oct 17 j 19:18	16°♍55'32	11.08867 AU	
morning rise	-5347 Nov 03 j 23:45	18°♍56'13		
retrograde	-5346 Feb 13 j 20:07	26°♍00'41		
opposition	-5346 Apr 25 j 19:38	22°♍42'11	2°29'00	
min. Earth dist.	-5346 Apr 26 j 12:30	22°♍39'05	9.03903 AU	
direct	-5346 Jul 05 j 07:55	19°♍24'02		
evening set	-5346 Oct 13 j 11:43	26°♍25'07		
conjunction	-5346 Oct 29 j 22:13	28°♍21'46	1°53'24	
minimum elong	-5346 Oct 29 j 22:16	28°♍21'47	1°53'27	
max. Earth dist.	-5346 Oct 29 j 02:18	28°♍15'50	10.98128 AU	
	-5346 Nov 12 j 17:36	0°♎		
morning rise	-5346 Nov 15 j 10:38	0°♎19'02		
retrograde	-5345 Feb 26 j 04:35	7°♎32'25		
opposition	-5345 May 08 j 03:46	4°♎12'22	2°06'36	
min. Earth dist.	-5345 May 08 j 20:49	4°♎09'12	8.91971 AU	
direct	-5345 Jul 17 j 02:13	0°♎53'46		
evening set	-5345 Oct 25 j 00:02	8°♎00'01		
conjunction	-5345 Nov 10 j 13:22	9°♎59'02	1°32'28	
minimum elong	-5345 Nov 10 j 13:25	9°♎59'03	1°32'26	
max. Earth dist.	-5345 Nov 09 j 18:42	9°♎53'24	10.85263 AU	
morning rise	-5345 Nov 27 j 05:27	11°♎58'59		
retrograde	-5344 Mar 09 j 21:44	19°♎22'44		
opposition	-5344 May 19 j 18:32	16°♎00'53	1°38'17	
min. Earth dist.	-5344 May 20 j 10:04	15°♎57'57	8.78162 AU	
direct	-5344 Jul 28 j 03:13	12°♎41'34		
evening set	-5344 Nov 04 j 20:42	19°♎54'28		
conjunction	-5344 Nov 21 j 13:36	21°♎56'21	1°07'01	
minimum elong	-5344 Nov 21 j 13:39	21°♎56'22	1°06'56	
max. Earth dist.	-5344 Nov 20 j 21:04	21°♎51'17	10.70785 AU	
morning rise	-5344 Dec 08 j 09:55	23°♎59'23		
	-5343 Feb 06 j 19:57	0°♏		
retrograde	-5343 Mar 23 j 03:03	1°♏34'40		
	-5343 May 07 j 11:33	30°℞♎		
opposition	-5343 Jun 01 j 16:38	28°♎10'54	1°04'42	
min. Earth dist.	-5343 Jun 02 j 05:44	28°♎08'24	8.63049 AU	
direct	-5343 Aug 09 j 09:50	24°♎50'40		
	-5343 Oct 29 j 10:57	0°♏		
evening set	-5343 Nov 17 j 03:29	2°♏11'37		
max. Earth dist.	-5343 Dec 03 j 09:56	4°♏12'12	10.55311 AU	
conjunction	-5343 Dec 04 j 00:21	4°♏16'41	0°37'49	
minimum elong	-5343 Dec 04 j 00:23	4°♏16'42	0°37'39	
morning rise	-5343 Dec 21 j 01:28	6°♏23'11		
retrograde	-5342 Apr 05 j 18:09	14°♏10'50		
opposition	-5342 Jun 14 j 23:08	10°♏45'07	0°26'50	
min. Earth dist.	-5342 Jun 15 j 09:28	10°♏43'07	8.47305 AU	
direct	-5342 Aug 21 j 23:10	7°♏23'46		
evening set	-5342 Nov 29 j 21:57	14°♏54'03		
	-5342 Nov 30 j 17:11	15°♏		
conjunction	-5342 Dec 16 j 23:06	17°♏02'32	0°05'55	
minimum elong	-5342 Dec 16 j 23:07	17°♏02'32	0°05'42	
behind sun begin	-5342 Dec 16 j 16:17	17°♏00'24		
behind sun end	-5342 Dec 17 j 05:57	17°♏04'40		
max. Earth dist.	-5342 Dec 16 j 11:17	16°♏58'48	10.39552 AU	
morning rise	-5341 Jan 03 j 05:20	19°♏12'39		
desc. node	-5341 Feb 22 j 05:57	24°♏38'16		
retrograde	-5341 Apr 19 j 18:58	27°♏13'06		
opposition	-5341 Jun 28 j 14:07	23°♏45'30	-0°13'49	
min. Earth dist.	-5341 Jun 28 j 21:44	23°♏43'59	8.31687 AU	
direct	-5341 Sep 03 j 22:46	20°♏22'50		
evening set	-5341 Dec 13 j 05:45	28°♏03'30		
	-5341 Dec 28 j 11:14	0°♐		
conjunction	-5341 Dec 30 j 11:24	0°♐15'29	-0°27'24	
minimum elong	-5341 Dec 30 j 11:23	0°♐15'28	0°27'39	
max. Earth dist.	-5341 Dec 30 j 03:25	0°♐12'55	10.24280 AU	
morning rise	-5340 Jan 16 j 22:34	2°♐29'14		
retrograde	-5340 May 03 j 05:38	10°♐42'09		
opposition	-5340 Jul 11 j 13:12	7°♐12'50	-0°55'14	
min. Earth dist.	-5340 Jul 11 j 17:32	7°♐11'58	8.17003 AU	
direct	-5340 Sep 16 j 08:29	3°♐48'47		
evening set	-5340 Dec 26 j 03:27	11°♐40'25		
conjunction	-5339 Jan 12 j 13:35	13°♐55'45	-1°00'06	

Attention, astronomical year style is used: The year -5339 in astronomical counting style is the year 5340 BCE in historical counting style.

minimum elong	-5339 Jan 12 j 13:32	13°♐55'44	1°00'23	
max. Earth dist.	-5339 Jan 12 j 10:32	13°♐54'45	10.10319 AU	
morning rise	-5339 Jan 30 j 05:12	16°♐12'53		
retrograde	-5339 May 18 j 01:57	24°♐37'10		
opposition	-5339 Jul 25 j 20:02	21°♐06'25	-1°34'54	
min. Earth dist.	-5339 Jul 25 j 20:22	21°♐06'20	8.04083 AU	
direct	-5339 Sep 30 j 03:25	17°♐40'57		
evening set	-5338 Jan 09 j 14:52	25°♐43'26		
conjunction	-5338 Jan 27 j 05:11	28°♐01'46	-1°30'08	
minimum elong	-5338 Jan 27 j 05:07	28°♐01'45	1°30'26	
max. Earth dist.	-5338 Jan 27 j 07:49	28°♐02'38	9.98504 AU	
	-5338 Feb 11 j 05:13	0°♑		
morning rise	-5338 Feb 14 j 00:37	0°♑21'50		
retrograde	-5338 Jun 02 j 05:08	8°♑55'20		
opposition	-5338 Aug 09 j 09:18	5°♑23'31	-2°09'55	
min. Earth dist.	-5338 Aug 09 j 05:09	5°♑24'22	7.93727 AU	
direct	-5338 Oct 14 j 07:57	1°♑56'42		
evening set	-5337 Jan 24 j 15:07	10°♑09'08		
conjunction	-5337 Feb 11 j 09:11	12°♑29'56	-1°55'14	
minimum elong	-5337 Feb 11 j 09:07	12°♑29'55	1°55'32	
max. Earth dist.	-5337 Feb 11 j 17:10	12°♑32'35	9.89613 AU	
morning rise	-5337 Mar 01 j 07:44	14°♑52'14		
retrograde	-5337 Jun 17 j 12:24	23°♑31'43		
opposition	-5337 Aug 24 j 02:58	19°♑59'18	-2°37'22	
min. Earth dist.	-5337 Aug 23 j 18:44	20°♑01'01	7.86630 AU	
direct	-5337 Oct 28 j 20:45	16°♑31'14		
evening set	-5336 Feb 09 j 01:35	24°♑51'46		
conjunction	-5336 Feb 26 j 22:52	27°♑14'19	-2°13'17	
minimum elong	-5336 Feb 26 j 22:50	27°♑14'18	2°13'34	
max. Earth dist.	-5336 Feb 27 j 11:34	27°♑18'34	9.84278 AU	
morning rise	-5336 Mar 15 j 23:46	29°♑38'03		
	-5336 Mar 18 j 19:07	0°♒		
retrograde	-5336 Jul 01 j 20:17	8°♒19'29		
opposition	-5336 Sep 06 j 22:57	4°♒46'59	-2°54'47	
min. Earth dist.	-5336 Sep 06 j 11:31	4°♒49'24	7.83298 AU	
direct	-5336 Nov 11 j 15:59	1°♒17'53		
evening set	-5335 Feb 23 j 18:29	9°♒43'44		
conjunction	-5335 Mar 13 j 18:22	12°♒07'11	-2°22'40	
minimum elong	-5335 Mar 13 j 18:21	12°♒07'10	2°22'55	
max. Earth dist.	-5335 Mar 14 j 11:02	12°♒12'45	9.82907 AU	
morning rise	-5335 Mar 31 j 20:46	14°♒31'23		
	-5335 Apr 04 j 12:38	15°♒		
retrograde	-5335 Jul 17 j 01:10	23°♒10'21		
opposition	-5335 Sep 21 j 18:30	19°♒38'21	-3°00'33	
min. Earth dist.	-5335 Sep 21 j 04:45	19°♒41'14	7.83991 AU	
direct	-5335 Nov 26 j 15:25	16°♒08'28		
evening set	-5334 Mar 11 j 13:37	24°♒36'16		
conjunction	-5334 Mar 29 j 15:29	26°♒59'43	-2°22'35	
minimum elong	-5334 Mar 29 j 15:31	26°♒59'43	2°22'46	
max. Earth dist.	-5334 Mar 30 j 10:55	27°♒06'10	9.85632 AU	
morning rise	-5334 Apr 16 j 18:38	29°♒23'28		
	-5334 Apr 21 j 11:32	0°♓		
retrograde	-5334 Jul 31 j 23:57	7°♓55'39		
opposition	-5334 Oct 06 j 10:52	4°♓24'38	-2°54'15	
min. Earth dist.	-5334 Oct 05 j 19:53	4°♓27'47	7.88681 AU	
direct	-5334 Dec 11 j 16:40	0°♓54'20		
evening set	-5333 Mar 27 j 06:35	9°♓20'32		
conjunction	-5333 Apr 14 j 09:39	11°♓43'05	-2°13'10	
minimum elong	-5333 Apr 14 j 09:42	11°♓43'06	2°13'18	
max. Earth dist.	-5333 Apr 15 j 06:20	11°♓49'54	9.92262 AU	
morning rise	-5333 May 02 j 12:38	14°♓05'29		
retrograde	-5333 Aug 15 j 13:36	22°♓27'19		
opposition	-5333 Oct 20 j 21:51	18°♓57'43	-2°36'46	
min. Earth dist.	-5333 Oct 20 j 06:20	19°♓00'58	7.97032 AU	
direct	-5333 Dec 26 j 16:37	15°♓27'26		
evening set	-5332 Apr 10 j 17:11	23°♓48'41		
conjunction	-5332 Apr 28 j 20:25	26°♓09'30	-1°55'30	
minimum elong	-5332 Apr 28 j 20:29	26°♓09'31	1°55'32	
max. Earth dist.	-5332 Apr 29 j 17:13	26°♓16'17	10.02317 AU	
morning rise	-5332 May 16 j 22:13	28°♓29'45		
	-5332 May 28 j 22:49	0°♈		
retrograde	-5332 Aug 28 j 16:06	6°♈38'48		
min. Earth dist.	-5332 Nov 02 j 09:51	3°♈14'12	8.08470 AU	
opposition	-5332 Nov 03 j 01:31	3°♈10'57	-2°09'58	
	-5332 Dec 21 j 20:59	30°℞♓		
direct	-5331 Jan 09 j 12:29	29°♓41'03		
	-5331 Jan 28 j 02:49	0°♈		
evening set	-5331 Apr 25 j 18:16	7°♈54'41		
conjunction	-5331 May 13 j 20:36	10°♈13'05	-1°31'16	
minimum elong	-5331 May 13 j 20:40	10°♈13'07	1°31'14	
max. Earth dist.	-5331 May 14 j 16:36	10°♈19'30	10.15110 AU	
morning rise	-5331 May 31 j 20:11	12°♈30'32		
retrograde	-5331 Sep 11 j 06:37	20°♈25'36		
opposition	-5331 Nov 16 j 20:42	16°♈59'40	-1°36'22	
min. Earth dist.	-5331 Nov 16 j 05:37	17°♈02'45	8.22243 AU	
direct	-5330 Jan 24 j 00:50	13°♈30'30		
evening set	-5330 May 10 j 07:43	21°♈34'40		
conjunction	-5330 May 28 j 08:02	23°♈50'08	-1°02'31	
minimum elong	-5330 May 28 j 08:05	23°♈50'09	1°02'24	
max. Earth dist.	-5330 May 29 j 02:16	23°♈55'53	10.29804 AU	
morning rise	-5330 Jun 15 j 04:23	26°♈04'19		
	-5330 Jul 19 j 13:04	0°♉		
retrograde	-5330 Sep 24 j 11:27	3°♉45'17		
opposition	-5330 Nov 30 j 07:01	0°♉21'21	-0°58'39	
min. Earth dist.	-5330 Nov 29 j 17:29	0°♉24'04	8.37487 AU	
	-5330 Dec 04 j 17:33	30°℞♈		
direct	-5329 Feb 07 j 03:45	26°♈53'08		
	-5329 Apr 10 j 15:08	0°♉		
evening set	-5329 May 24 j 08:36	4°♉46'54		
conjunction	-5329 Jun 11 j 05:40	6°♉59'05	-0°31'18	
minimum elong	-5329 Jun 11 j 05:42	6°♉59'05	0°31'07	
max. Earth dist.	-5329 Jun 11 j 21:15	7°♉03'55	10.45494 AU	
morning rise	-5329 Jun 28 j 21:53	9°♉09'45		
	-5329 Aug 25 j 03:59	15°♉		
retrograde	-5329 Oct 07 j 05:24	16°♉37'23		
	-5329 Nov 20 j 04:01	15°℞♉		
opposition	-5329 Dec 13 j 08:32	13°♉15'25	-0°19'19	
min. Earth dist.	-5329 Dec 12 j 21:56	13°♉17'31	8.53317 AU	
direct	-5328 Feb 20 j 21:31	9°♉48'21		
	-5328 May 14 j 20:00	15°♉		
evening set	-5328 Jun 05 j 20:35	17°♉31'30		
asc. node	-5328 Jun 17 j 03:18	18°♉53'16		
conjunction	-5328 Jun 23 j 13:25	19°♉40'16	0°00'34	
minimum elong	-5328 Jun 23 j 13:25	19°♉40'16	0°00'47	
behind sun begin	-5328 Jun 23 j 06:13	19°♉38'06		
behind sun end	-5328 Jun 23 j 20:37	19°♉42'26		
max. Earth dist.	-5328 Jun 24 j 00:57	19°♉43'46	10.61299 AU	
morning rise	-5328 Jul 11 j 00:59	21°♉47'26		
retrograde	-5328 Oct 18 j 12:03	29°♉03'09		
opposition	-5328 Dec 25 j 01:47	25°♉43'00	0°19'29	
min. Earth dist.	-5328 Dec 24 j 18:47	25°♉44'21	8.68874 AU	
direct	-5327 Mar 05 j 06:42	22°♉17'08		
evening set	-5327 Jun 18 j 20:01	29°♉50'11		

Attention, astronomical year style is used: The year -5327 in astronomical counting style is the year 5328 BCE in historical counting style.

	-5327 Jun 20 j 05:21	0°♊		
conjunction	-5327 Jul 06 j 08:00	1°♊55'35	0°31'23	
minimum elong	-5327 Jul 06 j 07:59	1°♊55'35	0°31'39	
max. Earth dist.	-5327 Jul 06 j 14:18	1°♊57'29	10.76381 AU	
morning rise	-5327 Jul 23 j 14:44	3°♊59'25		
retrograde	-5327 Oct 30 j 11:13	11°♊05'06		
opposition	-5326 Jan 06 j 11:35	7°♊46'33	0°56'06	
min. Earth dist.	-5326 Jan 06 j 08:03	7°♊47'14	8.83356 AU	
direct	-5326 Mar 18 j 06:36	4°♊21'59		
evening set	-5326 Jul 01 j 08:16	11°♊45'53		
conjunction	-5326 Jul 18 j 15:09	13°♊48'11	1°00'01	
minimum elong	-5326 Jul 18 j 15:07	13°♊48'10	1°00'18	
max. Earth dist.	-5326 Jul 18 j 16:39	13°♊48'38	10.90040 AU	
morning rise	-5326 Aug 04 j 16:54	15°♊48'57		
retrograde	-5326 Nov 11 j 03:36	22°♊46'39		
opposition	-5325 Jan 18 j 15:10	19°♊29'25	1°29'13	
min. Earth dist.	-5325 Jan 18 j 14:26	19°♊29'34	8.96166 AU	
direct	-5325 Mar 30 j 21:19	16°♊06'09		
evening set	-5325 Jul 13 j 10:32	23°♊22'02		
conjunction	-5325 Jul 30 j 12:26	25°♊21'34	1°25'30	
minimum elong	-5325 Jul 30 j 12:23	25°♊21'33	1°25'47	
max. Earth dist.	-5325 Jul 30 j 10:38	25°♊21'02	11.01798 AU	
morning rise	-5325 Aug 16 j 09:16	27°♊19'41		
	-5325 Sep 09 j 20:39	0°♋		
retrograde	-5325 Nov 22 j 16:24	4°♋11'26		
opposition	-5324 Jan 30 j 14:05	0°♋55'13	1°57'56	
min. Earth dist.	-5324 Jan 30 j 16:36	0°♋54'45	9.06900 AU	
	-5324 Feb 12 j 01:57	30°℞♊		
direct	-5324 Apr 11 j 04:46	27°♊33'07		
	-5324 Jun 07 j 07:13	0°♋		
evening set	-5324 Jul 24 j 04:10	4°♋42'12		
conjunction	-5324 Aug 10 j 01:17	6°♋39'22	1°47'06	
minimum elong	-5324 Aug 10 j 01:14	6°♋39'21	1°47'24	
max. Earth dist.	-5324 Aug 09 j 19:59	6°♋37'50	11.11301 AU	
morning rise	-5324 Aug 26 j 17:43	8°♋35'16		
retrograde	-5324 Dec 03 j 01:28	15°♋22'59		
opposition	-5323 Feb 10 j 09:24	12°♋07'26	2°21'32	
min. Earth dist.	-5323 Feb 10 j 15:39	12°♋06'17	9.15235 AU	
direct	-5323 Apr 23 j 04:02	8°♋46'22		
evening set	-5323 Aug 04 j 15:00	15°♋49'56		
conjunction	-5323 Aug 21 j 07:42	17°♋45'14	2°04'19	
minimum elong	-5323 Aug 21 j 07:40	17°♋45'13	2°04'37	
max. Earth dist.	-5323 Aug 20 j 22:11	17°♋42'28	11.18274 AU	
morning rise	-5323 Sep 06 j 20:33	19°♋39'27		
retrograde	-5323 Dec 14 j 06:54	26°♋24'59		
opposition	-5322 Feb 22 j 02:08	23°♋09'44	2°39'33	
min. Earth dist.	-5322 Feb 22 j 11:40	23°♋07'59	9.20920 AU	
direct	-5322 May 05 j 00:21	19°♋49'30		
evening set	-5322 Aug 15 j 20:18	26°♋48'56		
conjunction	-5322 Sep 01 j 09:24	28°♋42'52	2°16'45	
minimum elong	-5322 Sep 01 j 09:22	28°♋42'51	2°17'02	
max. Earth dist.	-5322 Aug 31 j 20:44	28°♋39'12	11.22517 AU	
	-5322 Sep 12 j 13:07	0°♌		
morning rise	-5322 Sep 17 j 19:26	0°♌35'57		
retrograde	-5322 Dec 25 j 14:39	7°♌21'10		
opposition	-5321 Mar 05 j 17:55	4°♌05'51	2°51'37	
min. Earth dist.	-5321 Mar 06 j 05:15	4°♌03'47	9.23782 AU	
direct	-5321 May 16 j 17:03	0°♌46'19		
evening set	-5321 Aug 26 j 21:37	7°♌42'54		
conjunction	-5321 Sep 12 j 08:07	9°♌36'03	2°24'10	
minimum elong	-5321 Sep 12 j 08:06	9°♌36'02	2°24'25	
max. Earth dist.	-5321 Sep 11 j 17:59	9°♌31'57	11.23905 AU	
morning rise	-5321 Sep 28 j 16:08	11°♌28'34		
	-5321 Nov 01 j 11:53	15°♌		
retrograde	-5320 Jan 05 j 22:51	18°♌15'15		
opposition	-5320 Mar 16 j 09:57	14°♌59'33	2°57'32	
	-5320 Mar 16 j 07:26	15°℞♌		
min. Earth dist.	-5320 Mar 16 j 22:58	14°♌57'10	9.23744 AU	
direct	-5320 May 27 j 05:04	11°♌40'32		
	-5320 Aug 02 j 08:37	15°♌		
evening set	-5320 Sep 05 j 21:00	18°♌35'41		
conjunction	-5320 Sep 22 j 05:45	20°♌28'37	2°26'21	
minimum elong	-5320 Sep 22 j 05:45	20°♌28'37	2°26'34	
max. Earth dist.	-5320 Sep 21 j 13:42	20°♌23'58	11.22408 AU	
morning rise	-5320 Oct 08 j 12:54	22°♌21'11		
retrograde	-5319 Jan 16 j 10:26	29°♌11'03		
opposition	-5319 Mar 28 j 03:17	25°♌54'41	2°57'06	
min. Earth dist.	-5319 Mar 28 j 18:30	25°♌51'54	9.20818 AU	
direct	-5319 Jun 07 j 16:34	22°♌35'57		
evening set	-5319 Sep 16 j 20:07	29°♌31'09		
	-5319 Sep 21 j 00:53	0°♍		
max. Earth dist.	-5319 Oct 02 j 09:38	1°♍19'07	11.18087 AU	
conjunction	-5319 Oct 03 j 04:03	1°♍24'29	2°23'14	
minimum elong	-5319 Oct 03 j 04:05	1°♍24'29	2°23'24	
morning rise	-5319 Oct 19 j 11:33	3°♍17'44		
retrograde	-5318 Jan 28 j 00:48	10°♍12'29		
opposition	-5318 Apr 08 j 23:29	6°♍55'10	2°50'13	
min. Earth dist.	-5318 Apr 09 j 16:05	6°♍52'08	9.15096 AU	
direct	-5318 Jun 19 j 03:54	3°♍36'34		
evening set	-5318 Sep 27 j 20:35	10°♍33'15		
max. Earth dist.	-5318 Oct 13 j 10:08	12°♍22'03	11.11068 AU	
conjunction	-5318 Oct 14 j 04:54	12°♍27'34	2°14'46	
minimum elong	-5318 Oct 14 j 04:57	12°♍27'34	2°14'53	
morning rise	-5318 Oct 30 j 13:41	14°♍22'05		
retrograde	-5317 Feb 08 j 23:10	21°♍23'28		
opposition	-5317 Apr 20 j 23:41	18°♍04'56	2°36'53	
min. Earth dist.	-5317 Apr 21 j 16:07	18°♍01'55	9.06751 AU	
direct	-5317 Jun 30 j 19:01	14°♍46'17		
evening set	-5317 Oct 09 j 00:32	21°♍45'54		
conjunction	-5317 Oct 25 j 10:22	23°♍41'49	2°01'01	
minimum elong	-5317 Oct 25 j 10:25	23°♍41'50	2°01'05	
max. Earth dist.	-5317 Oct 24 j 16:16	23°♍36'26	11.01564 AU	
morning rise	-5317 Nov 10 j 21:23	25°♍38'11		
	-5317 Dec 22 j 19:36	0°♎		
retrograde	-5316 Feb 21 j 05:04	2°♎47'45		
	-5316 Apr 24 j 22:41	30°℞♍		
opposition	-5316 May 02 j 04:58	29°♍27'49	2°17'10	
min. Earth dist.	-5316 May 02 j 20:33	29°♍24'56	8.96053 AU	
direct	-5316 Jul 11 j 10:41	26°♍08'56		
	-5316 Sep 20 j 02:25	0°♎		
evening set	-5316 Oct 19 j 09:56	3°♎13'00		
conjunction	-5316 Nov 04 j 22:04	5°♎11'02	1°42'10	
minimum elong	-5316 Nov 04 j 22:07	5°♎11'03	1°42'11	
max. Earth dist.	-5316 Nov 04 j 04:02	5°♎05'37	10.89887 AU	
morning rise	-5316 Nov 21 j 12:24	7°♎09'50		
retrograde	-5315 Mar 04 j 18:53	14°♎29'03		
opposition	-5315 May 14 j 16:38	11°♎07'35	1°51'20	
min. Earth dist.	-5315 May 15 j 07:37	11°♎04'46	8.83367 AU	
direct	-5315 Jul 23 j 07:22	7°♎48'15		
evening set	-5315 Oct 31 j 02:43	14°♎58'17		
conjunction	-5315 Nov 16 j 17:51	16°♎58'55	1°18'36	

Attention, astronomical year style is used: The year -5315 in astronomical counting style is the year 5316 BCE in historical counting style.

minimum elong	-5315 Nov 16 j 17:54	16°♎58'56	1°18'32
max. Earth dist.	-5315 Nov 16 j 00:29	16°♎53'38	10.76454 AU
morning rise	-5315 Dec 03 j 12:19	19°♎00'37	
retrograde	-5314 Mar 17 j 18:46	26°♎30'50	
opposition	-5314 May 27 j 11:37	23°♎07'42	1°19'54
min. Earth dist.	-5314 May 28 j 01:27	23°♎05'04	8.69181 AU
direct	-5314 Aug 04 j 10:53	19°♎47'42	
evening set	-5314 Nov 12 j 04:48	27°♎05'09	
conjunction	-5314 Nov 28 j 23:46	29°♎08'49	0°50'53
minimum elong	-5314 Nov 28 j 23:48	29°♎08'49	0°50'46
max. Earth dist.	-5314 Nov 28 j 08:45	29°♎04'10	10.61795 AU
	-5314 Dec 05 j 21:27	0°♏	
morning rise	-5314 Dec 15 j 22:52	1°♏13'48	
retrograde	-5313 Mar 31 j 04:07	8°♏56'04	
opposition	-5313 Jun 09 j 14:35	5°♏31'11	0°43'41
min. Earth dist.	-5313 Jun 10 j 02:05	5°♏28'58	8.54099 AU
direct	-5313 Aug 16 j 21:58	2°♏10'21	
evening set	-5313 Nov 24 j 18:02	9°♏36'34	
conjunction	-5313 Dec 11 j 17:22	11°♏43'32	0°19'58
minimum elong	-5313 Dec 11 j 17:23	11°♏43'33	0°19'46
max. Earth dist.	-5313 Dec 11 j 06:05	11°♏40'00	10.46541 AU
morning rise	-5313 Dec 28 j 21:18	13°♏52'03	
	-5312 Jan 07 j 05:29	15°♏	
retrograde	-5312 Apr 13 j 00:57	21°♏46'58	
opposition	-5312 Jun 22 j 01:54	18°♏20'21	0°04'00
min. Earth dist.	-5312 Jun 22 j 09:48	18°♏18'48	8.38803 AU
desc. node	-5312 Jul 28 j 22:02	15°♏48'00	
	-5312 Aug 23 j 14:01	15°℞♏	
direct	-5312 Aug 28 j 18:05	14°♏58'33	
	-5312 Sep 02 j 21:19	15°♏	
evening set	-5312 Dec 06 j 20:07	22°♏34'37	
conjunction	-5312 Dec 23 j 23:53	24°♏45'02	-0°12'59
minimum elong	-5312 Dec 23 j 23:52	24°♏45'02	0°13'14
behind sun begin	-5312 Dec 23 j 19:40	24°♏43'43	
behind sun end	-5312 Dec 24 j 04:04	24°♏46'22	
max. Earth dist.	-5312 Dec 23 j 16:20	24°♏42'39	10.31417 AU
morning rise	-5311 Jan 10 j 08:40	26°♏57'09	
	-5311 Feb 04 j 23:47	0°♐	
retrograde	-5311 Apr 27 j 09:11	5°♐04'41	
opposition	-5311 Jul 05 j 21:36	1°♐36'28	-0°37'23
min. Earth dist.	-5311 Jul 06 j 01:40	1°♐35'40	8.24067 AU
	-5311 Jul 27 j 00:13	30°℞♏	
direct	-5311 Sep 10 j 22:12	28°♏13'32	
	-5311 Oct 25 j 07:53	0°♐	
evening set	-5311 Dec 20 j 11:57	6°♐00'12	
conjunction	-5310 Jan 06 j 20:03	8°♐14'00	-0°46'09
minimum elong	-5310 Jan 06 j 20:01	8°♐14'00	0°46'26
max. Earth dist.	-5310 Jan 06 j 16:25	8°♐12'50	10.17232 AU
morning rise	-5310 Jan 24 j 09:32	10°♐29'35	
retrograde	-5310 May 12 j 03:17	18°♐48'55	
opposition	-5310 Jul 20 j 01:26	15°♐19'18	-1°18'07
min. Earth dist.	-5310 Jul 20 j 01:50	15°♐19'13	8.10712 AU
direct	-5310 Sep 24 j 11:42	11°♐55'05	
evening set	-5309 Jan 03 j 17:38	19°♐52'33	
conjunction	-5309 Jan 21 j 05:55	22°♐09'27	-1°17'36
minimum elong	-5309 Jan 21 j 05:52	22°♐09'26	1°17'54
max. Earth dist.	-5309 Jan 21 j 06:27	22°♐09'38	10.04795 AU
morning rise	-5309 Feb 07 j 23:40	24°♐28'08	
	-5309 Mar 28 j 13:43	0°♑	
retrograde	-5309 May 27 j 03:37	2°♑57'29	
	-5309 Jul 27 j 16:44	30°℞♐	
opposition	-5309 Aug 03 j 12:08	29°♐26'44	-1°55'27
min. Earth dist.	-5309 Aug 03 j 09:17	29°♐27'19	7.99503 AU
direct	-5309 Oct 08 j 12:55	26°♐01'09	
	-5309 Dec 15 j 00:37	0°♑	
evening set	-5308 Jan 18 j 12:35	4°♑08'53	
conjunction	-5308 Feb 05 j 04:44	6°♑28'26	-1°45'05
minimum elong	-5308 Feb 05 j 04:41	6°♑28'25	1°45'23
max. Earth dist.	-5308 Feb 05 j 09:36	6°♑30'03	9.94825 AU
morning rise	-5308 Feb 23 j 01:59	8°♑49'37	
retrograde	-5308 Jun 10 j 08:27	17°♑26'14	
opposition	-5308 Aug 17 j 03:57	13°♑54'43	-2°26'27
min. Earth dist.	-5308 Aug 16 j 22:11	13°♑55'55	7.91075 AU
direct	-5308 Oct 21 j 23:01	10°♑27'50	
evening set	-5307 Feb 01 j 18:37	18°♑44'28	
conjunction	-5307 Feb 19 j 14:16	21°♑06'05	-2°06'23
minimum elong	-5307 Feb 19 j 14:13	21°♑06'04	2°06'40
max. Earth dist.	-5307 Feb 19 j 23:33	21°♑09'11	9.87902 AU
morning rise	-5307 Mar 09 j 14:12	23°♑29'03	
	-5307 May 07 j 02:05	0°♒	
retrograde	-5307 Jun 25 j 15:32	2°♒09'30	
	-5307 Aug 15 j 01:36	30°℞♑	
opposition	-5307 Aug 31 j 23:04	28°♑37'41	-2°48'25
min. Earth dist.	-5307 Aug 31 j 14:14	28°♑39'32	7.85935 AU
direct	-5307 Nov 05 j 16:06	25°♑09'39	
	-5306 Jan 19 j 16:47	0°♒	
evening set	-5306 Feb 17 j 08:46	3°♒32'59	
conjunction	-5306 Mar 07 j 07:27	5°♒55'57	-2°19'38
minimum elong	-5306 Mar 07 j 07:25	5°♒55'56	2°19'54
max. Earth dist.	-5306 Mar 07 j 21:04	6°♒00'30	9.84530 AU
morning rise	-5306 Mar 25 j 09:18	8°♒19'53	
	-5306 May 24 j 13:56	15°♒	
retrograde	-5306 Jul 10 j 21:30	17°♒00'03	
	-5306 Aug 27 j 23:01	15°℞♒	
opposition	-5306 Sep 15 j 19:02	13°♒28'25	-2°59'20
min. Earth dist.	-5306 Sep 15 j 07:16	13°♒30'53	7.84530 AU
direct	-5306 Nov 20 j 13:53	9°♒59'25	
	-5305 Feb 05 j 09:23	15°♒	
evening set	-5305 Mar 05 j 03:28	18°♒26'26	
conjunction	-5305 Mar 23 j 04:35	20°♒49'52	-2°23'41
minimum elong	-5305 Mar 23 j 04:36	20°♒49'52	2°23'53
max. Earth dist.	-5305 Mar 23 j 21:51	20°♒55'38	9.85081 AU
morning rise	-5305 Apr 10 j 07:29	23°♒13'49	
	-5305 Jun 11 j 02:43	0°♓	
retrograde	-5305 Jul 25 j 23:25	1°♓49'16	
	-5305 Sep 09 j 10:36	30°℞♒	
opposition	-5305 Sep 30 j 13:00	28°♒18'15	-2°58'16
min. Earth dist.	-5305 Sep 29 j 22:55	28°♒21'12	7.87074 AU
direct	-5305 Dec 05 j 14:37	24°♒48'33	
	-5304 Feb 22 j 12:43	0°♓	
evening set	-5304 Mar 19 j 22:01	3°♓15'41	
conjunction	-5304 Apr 07 j 00:46	5°♓38'41	-2°18'15
minimum elong	-5304 Apr 07 j 00:49	5°♓38'42	2°18'24
max. Earth dist.	-5304 Apr 07 j 20:40	5°♓45'16	9.89605 AU
morning rise	-5304 Apr 25 j 03:49	8°♓01'43	
retrograde	-5304 Aug 08 j 17:54	16°♓28'26	
min. Earth dist.	-5304 Oct 13 j 11:15	13°♓01'42	7.93437 AU
opposition	-5304 Oct 14 j 02:45	12°♓58'27	-2°45'29
direct	-5304 Dec 19 j 15:20	9°♓28'24	
evening set	-5303 Apr 04 j 11:47	17°♓52'04	
conjunction	-5303 Apr 22 j 15:14	20°♓13'45	-2°04'00
minimum elong	-5303 Apr 22 j 15:17	20°♓13'46	2°04'04
max. Earth dist.	-5303 Apr 23 j 12:22	20°♓20'40	9.97796 AU

Attention, astronomical year style is used: The year -5303 in astronomical counting style is the year 5304 BCE in historical counting style.

morning rise	-5303 May 10 j 17:32	22°♓35'00	
	-5303 Jul 24 j 03:20	0°♈	
retrograde	-5303 Aug 23 j 01:56	0°♈49'59	
	-5303 Sep 22 j 03:11	30℞♓	
opposition	-5303 Oct 28 j 09:56	27°♓21'24	-2°22'29
min. Earth dist.	-5303 Oct 27 j 18:27	27°♓24'37	8.03175 AU
direct	-5302 Jan 03 j 12:52	23°♓51'20	
	-5302 Apr 02 j 07:22	0°♈	
evening set	-5302 Apr 19 j 17:29	2°♈08'32	
conjunction	-5302 May 07 j 20:30	4°♈28'07	-1°42'24
minimum elong	-5302 May 07 j 20:34	4°♈28'08	1°42'24
max. Earth dist.	-5302 May 08 j 16:57	4°♈34'43	10.09061 AU
morning rise	-5302 May 25 j 21:06	6°♈46'52	
retrograde	-5302 Sep 05 j 22:10	14°♈48'15	
opposition	-5302 Nov 11 j 08:57	11°♈21'20	-1°51'34
min. Earth dist.	-5302 Nov 10 j 18:37	11°♈24'17	8.15611 AU
direct	-5301 Jan 18 j 04:38	7°♈51'36	
evening set	-5301 May 04 j 12:25	16°♈00'09	
conjunction	-5301 May 22 j 13:45	18°♈17'01	-1°15'22
minimum elong	-5301 May 22 j 13:49	18°♈17'02	1°15'18
max. Earth dist.	-5301 May 23 j 07:57	18°♈22'48	10.22622 AU
morning rise	-5301 Jun 09 j 11:40	20°♈32'44	
retrograde	-5301 Sep 19 j 06:43	28°♈19'57	
opposition	-5301 Nov 24 j 23:16	24°♈54'51	-1°15'20
min. Earth dist.	-5301 Nov 24 j 10:34	24°♈57'25	8.29934 AU
direct	-5300 Feb 01 j 12:28	21°♈25'47	
evening set	-5300 May 17 j 18:42	29°♈24'17	
	-5300 May 22 j 14:46	0°♉	
conjunction	-5300 Jun 04 j 17:14	1°♉38'01	-0°45'00
minimum elong	-5300 Jun 04 j 17:16	1°♉38'02	0°44'51
max. Earth dist.	-5300 Jun 05 j 08:23	1°♉42'45	10.37622 AU
morning rise	-5300 Jun 22 j 11:32	3°♉50'21	
retrograde	-5300 Oct 01 j 03:41	11°♉23'51	
opposition	-5300 Dec 07 j 04:30	8°♉00'35	-0°36'26
min. Earth dist.	-5300 Dec 06 j 17:29	8°♉02'47	8.45292 AU
direct	-5299 Feb 14 j 11:45	4°♉32'29	
evening set	-5299 May 31 j 12:05	12°♉20'27	
conjunction	-5299 Jun 18 j 06:54	14°♉30'49	-0°13'16
minimum elong	-5299 Jun 18 j 06:55	14°♉30'49	0°13'04
behind sun begin	-5299 Jun 18 j 02:40	14°♉29'32	
behind sun end	-5299 Jun 18 j 11:09	14°♉32'07	
max. Earth dist.	-5299 Jun 18 j 18:48	14°♉34'28	10.53213 AU
	-5299 Jun 22 j 05:46	15°♉	
morning rise	-5299 Jul 05 j 20:50	16°♉39'39	
retrograde	-5299 Oct 13 j 14:28	24°♉00'36	
asc. node	-5299 Nov 22 j 15:30	22°♉39'29	
opposition	-5299 Dec 20 j 00:57	20°♉39'07	0°02'50
min. Earth dist.	-5299 Dec 19 j 15:56	20°♉40'53	8.60862 AU
direct	-5298 Feb 28 j 01:08	17°♉12'09	
evening set	-5298 Jun 13 j 16:49	24°♉49'46	
conjunction	-5298 Jul 01 j 07:13	26°♉56'45	0°18'13
minimum elong	-5298 Jul 01 j 07:12	26°♉56'44	0°18'28
max. Earth dist.	-5298 Jul 01 j 16:09	26°♉59'26	10.68596 AU
morning rise	-5298 Jul 18 j 16:11	29°♉02'07	
	-5298 Jul 26 j 22:13	0°♊	
retrograde	-5298 Oct 25 j 18:17	6°♊12'10	
opposition	-5297 Jan 01 j 13:46	2°♊52'21	0°40'35
min. Earth dist.	-5297 Jan 01 j 07:44	2°♊53'31	8.75892 AU
	-5297 Feb 14 j 22:35	30℞♉	
direct	-5297 Mar 13 j 03:37	29°♉26'40	
	-5297 Apr 08 j 07:00	0°♊	
evening set	-5297 Jun 26 j 09:42	6°♊54'34	

conjunction	-5297 Jul 13 j 19:03	8°♊58'18	0°47'55
minimum elong	-5297 Jul 13 j 19:01	8°♊58'17	0°48'12
max. Earth dist.	-5297 Jul 14 j 00:20	8°♊59'53	10.83071 AU
morning rise	-5297 Jul 30 j 22:54	11°♊00'26	
retrograde	-5297 Nov 06 j 13:00	18°♊01'27	
opposition	-5296 Jan 13 j 19:54	14°♊43'09	1°15'20
min. Earth dist.	-5296 Jan 13 j 17:30	14°♊43'36	8.89742 AU
direct	-5296 Mar 24 j 21:01	11°♊18'47	
evening set	-5296 Jul 07 j 15:56	18°♊38'00	
conjunction	-5296 Jul 24 j 20:02	20°♊38'44	1°14'51
minimum elong	-5296 Jul 24 j 20:00	20°♊38'43	1°15'08
max. Earth dist.	-5296 Jul 24 j 20:46	20°♊38'57	10.96066 AU
morning rise	-5296 Aug 10 j 19:02	22°♊38'00	
retrograde	-5296 Nov 17 j 01:44	29°♊31'58	
opposition	-5295 Jan 24 j 20:19	26°♊14'55	1°46'02
min. Earth dist.	-5295 Jan 24 j 21:14	26°♊14'45	9.01878 AU
direct	-5295 Apr 06 j 07:57	22°♊51'53	
evening set	-5295 Jul 19 j 12:48	0°♋03'36	
	-5295 Jul 19 j 00:10	0°♋	
conjunction	-5295 Aug 05 j 11:54	2°♋01'44	1°38'11
minimum elong	-5295 Aug 05 j 11:51	2°♋01'43	1°38'29
max. Earth dist.	-5295 Aug 05 j 08:25	2°♋00'43	11.07103 AU
morning rise	-5295 Aug 22 j 06:25	3°♋58'32	
retrograde	-5295 Nov 28 j 11:38	10°♋47'28	
opposition	-5294 Feb 05 j 16:25	7°♋31'22	2°11'52
min. Earth dist.	-5294 Feb 05 j 19:48	7°♋30'44	9.11842 AU
direct	-5294 Apr 18 j 10:51	4°♋09'38	
evening set	-5294 Jul 31 j 01:55	11°♋15'08	
conjunction	-5294 Aug 16 j 20:33	13°♋11'08	1°57'20
minimum elong	-5294 Aug 16 j 20:30	13°♋11'07	1°57'38
max. Earth dist.	-5294 Aug 16 j 14:22	13°♋09'20	11.15783 AU
morning rise	-5294 Sep 02 j 10:55	15°♋05'57	
retrograde	-5294 Dec 09 j 19:05	21°♋51'48	
opposition	-5293 Feb 17 j 09:39	18°♋36'22	2°32'19
min. Earth dist.	-5293 Feb 17 j 15:38	18°♋35'16	9.19292 AU
direct	-5293 Apr 30 j 07:56	15°♋15'48	
evening set	-5293 Aug 11 j 09:00	22°♋16'25	
conjunction	-5293 Aug 27 j 23:43	24°♋10'47	2°11'52
minimum elong	-5293 Aug 27 j 23:41	24°♋10'46	2°12'10
max. Earth dist.	-5293 Aug 27 j 14:49	24°♋08'13	11.21829 AU
morning rise	-5293 Sep 13 j 10:44	26°♋04'10	
	-5293 Oct 21 j 20:05	0°♌	
retrograde	-5293 Dec 21 j 02:19	2°♌48'47	
	-5292 Feb 23 j 01:00	30℞♋	
opposition	-5292 Feb 29 j 01:23	29°♋33'42	2°46'58
min. Earth dist.	-5292 Feb 29 j 10:42	29°♋32'00	9.23998 AU
direct	-5292 May 10 j 23:45	26°♋14'07	
	-5292 Jul 22 j 05:07	0°♌	
evening set	-5292 Aug 21 j 11:33	3°♌11'14	
conjunction	-5292 Sep 06 j 23:00	5°♌04'30	2°21'28
minimum elong	-5292 Sep 06 j 22:59	5°♌04'30	2°21'44
max. Earth dist.	-5292 Sep 06 j 10:26	5°♌00'53	11.25060 AU
morning rise	-5292 Sep 23 j 07:48	6°♌57'04	
retrograde	-5292 Dec 31 j 07:43	13°♌42'15	
opposition	-5291 Mar 11 j 16:41	10°♌27'08	2°55'33
min. Earth dist.	-5291 Mar 12 j 04:45	10°♌24'56	9.25808 AU
direct	-5291 May 22 j 12:19	7°♌08'20	
evening set	-5291 Sep 01 j 11:21	14°♌03'21	
	-5291 Sep 09 j 18:03	15°♌	
conjunction	-5291 Sep 17 j 20:35	15°♌56'07	2°25'57
minimum elong	-5291 Sep 17 j 20:34	15°♌56'07	2°26'10

Attention, astronomical year style is used: The year -5291 in astronomical counting style is the year 5292 BCE in historical counting style.

max. Earth dist.	-5291 Sep 17 j 05:35	15°♌51'47	11.25369 AU
morning rise	-5291 Oct 04 j 04:02	17°♌48'24	
retrograde	-5290 Jan 11 j 18:02	24°♌35'56	
opposition	-5290 Mar 23 j 08:44	21°♌20'26	2°57'52
min. Earth dist.	-5290 Mar 23 j 22:18	21°♌17'58	9.24643 AU
direct	-5290 Jun 03 j 01:48	18°♌02'11	
evening set	-5290 Sep 12 j 09:58	24°♌56'29	
conjunction	-5290 Sep 28 j 18:07	26°♌49'20	2°25'09
minimum elong	-5290 Sep 28 j 18:08	26°♌49'21	2°25'20
max. Earth dist.	-5290 Sep 28 j 02:10	26°♌44'42	11.22725 AU
morning rise	-5290 Oct 15 j 01:09	28°♌41'58	
	-5290 Oct 26 j 17:41	0°♍	
retrograde	-5289 Jan 23 j 07:21	5°♍33'32	
opposition	-5289 Apr 04 j 03:06	2°♍17'18	2°53'49
min. Earth dist.	-5289 Apr 04 j 17:40	2°♍14'39	9.20516 AU
	-5289 May 08 j 21:50	30°℞♌	
direct	-5289 Jun 14 j 12:00	28°♌59'23	
	-5289 Jul 20 j 06:15	0°♍	
evening set	-5289 Sep 23 j 09:13	5°♍54'21	
conjunction	-5289 Oct 09 j 17:13	7°♍47'54	2°19'03
minimum elong	-5289 Oct 09 j 17:15	7°♍47'54	2°19'11
max. Earth dist.	-5289 Oct 08 j 23:36	7°♍42'45	11.17172 AU
morning rise	-5289 Oct 26 j 01:03	9°♍41'30	
retrograde	-5288 Feb 04 j 02:26	16°♍38'46	
opposition	-5288 Apr 15 j 00:54	13°♍21'31	2°43'21
min. Earth dist.	-5288 Apr 15 j 17:07	13°♍18'33	9.13503 AU
direct	-5288 Jun 25 j 00:06	10°♍03'37	
evening set	-5288 Oct 03 j 11:06	17°♍00'47	
conjunction	-5288 Oct 19 j 19:55	18°♍55'38	2°07'39
minimum elong	-5288 Oct 19 j 19:58	18°♍55'38	2°07'44
max. Earth dist.	-5288 Oct 19 j 00:26	18°♍49'53	11.08822 AU
morning rise	-5288 Nov 05 j 05:45	20°♍50'49	
retrograde	-5287 Feb 15 j 02:24	27°♍55'27	
opposition	-5287 Apr 27 j 03:04	24°♍36'54	2°26'30
min. Earth dist.	-5287 Apr 27 j 20:27	24°♍33'42	9.03766 AU
direct	-5287 Jul 06 j 14:06	21°♍18'46	
evening set	-5287 Oct 14 j 17:21	28°♍19'46	
	-5287 Oct 28 j 20:48	0°♎	
max. Earth dist.	-5287 Oct 30 j 08:31	0°♎10'39	10.97904 AU
conjunction	-5287 Oct 31 j 04:07	0°♎16'29	1°51'05
minimum elong	-5287 Oct 31 j 04:10	0°♎16'30	1°51'07
morning rise	-5287 Nov 16 j 16:47	2°♎13'51	
retrograde	-5286 Feb 27 j 11:06	9°♎27'33	
opposition	-5286 May 09 j 11:13	6°♎07'25	2°03'27
min. Earth dist.	-5286 May 10 j 04:04	6°♎04'17	8.91638 AU
direct	-5286 Jul 18 j 09:49	2°♎48'50	
evening set	-5286 Oct 26 j 05:55	9°♎55'10	
conjunction	-5286 Nov 11 j 19:35	11°♎54'19	1°29'38
minimum elong	-5286 Nov 11 j 19:38	11°♎54'20	1°29'37
max. Earth dist.	-5286 Nov 11 j 01:24	11°♎48'50	10.84829 AU
morning rise	-5286 Nov 28 j 11:52	13°♎54'23	
retrograde	-5285 Mar 12 j 07:19	21°♎18'37	
opposition	-5285 May 22 j 02:15	17°♎56'42	1°34'33
min. Earth dist.	-5285 May 22 j 17:18	17°♎53'52	8.77618 AU
direct	-5285 Jul 30 j 10:16	14°♎37'25	
evening set	-5285 Nov 07 j 03:07	21°♎50'33	
conjunction	-5285 Nov 23 j 20:17	23°♎52'36	1°03'47
minimum elong	-5285 Nov 23 j 20:19	23°♎52'36	1°03'41
max. Earth dist.	-5285 Nov 23 j 03:21	23°♎47'25	10.70149 AU
morning rise	-5285 Dec 10 j 16:58	25°♎55'50	
	-5284 Jan 16 j 16:51	0°♏	
retrograde	-5284 Mar 24 j 12:01	3°♏31'43	
opposition	-5284 Jun 03 j 00:51	0°♏07'54	1°00'30
min. Earth dist.	-5284 Jun 03 j 14:01	0°♏05'23	8.62313 AU
	-5284 Jun 04 j 18:13	30°℞♎	
direct	-5284 Aug 10 j 15:29	26°♎47'39	
	-5284 Oct 11 j 23:56	0°♏	
evening set	-5284 Nov 18 j 10:38	4°♏09'04	
conjunction	-5284 Dec 05 j 07:46	6°♏14'20	0°34'16
minimum elong	-5284 Dec 05 j 07:47	6°♏14'20	0°34'06
max. Earth dist.	-5284 Dec 04 j 16:25	6°♏09'34	10.54500 AU
morning rise	-5284 Dec 22 j 09:23	8°♏21'03	
	-5283 Feb 28 j 14:53	15°♏	
retrograde	-5283 Apr 07 j 02:44	16°♏09'28	
	-5283 May 15 j 04:38	15°℞♏	
opposition	-5283 Jun 16 j 07:51	12°♏43'42	0°22'20
min. Earth dist.	-5283 Jun 16 j 18:55	12°♏41'33	8.46411 AU
direct	-5283 Aug 23 j 07:07	9°♏22'17	
	-5283 Nov 15 j 13:41	15°♏	
evening set	-5283 Dec 01 j 05:58	16°♏53'14	
conjunction	-5283 Dec 18 j 07:28	19°♏01'57	0°02'13
minimum elong	-5283 Dec 18 j 07:28	19°♏01'57	0°01'59
behind sun begin	-5283 Dec 18 j 00:20	18°♏59'43	
behind sun end	-5283 Dec 18 j 14:35	19°♏04'11	
max. Earth dist.	-5283 Dec 17 j 19:24	18°♏58'09	10.38601 AU
morning rise	-5282 Jan 04 j 14:06	21°♏12'20	
desc. node	-5282 Jan 12 j 03:13	22°♏07'51	
retrograde	-5282 Apr 21 j 04:34	29°♏13'39	
opposition	-5282 Jun 29 j 23:25	25°♏45'59	-0°18'26
min. Earth dist.	-5282 Jun 30 j 07:32	25°♏44'23	8.30687 AU
direct	-5282 Sep 05 j 07:36	22°♏23'16	
	-5282 Dec 13 j 23:43	0°♐	
evening set	-5282 Dec 14 j 14:45	0°♐04'43	
conjunction	-5282 Dec 31 j 20:50	2°♐16'57	-0°31'04
minimum elong	-5282 Dec 31 j 20:48	2°♐16'57	0°31'20
max. Earth dist.	-5282 Dec 31 j 13:23	2°♐14'34	10.23248 AU
morning rise	-5281 Jan 18 j 08:16	4°♐30'58	
retrograde	-5281 May 05 j 16:54	12°♐44'51	
opposition	-5281 Jul 13 j 23:12	9°♐15'27	-0°59'43
min. Earth dist.	-5281 Jul 14 j 03:20	9°♐14'37	8.15964 AU
direct	-5281 Sep 18 j 17:23	5°♐51'20	
evening set	-5281 Dec 28 j 13:40	13°♐43'52	
conjunction	-5280 Jan 15 j 00:13	15°♐59'28	-1°03'32
minimum elong	-5280 Jan 15 j 00:10	15°♐59'27	1°03'50
max. Earth dist.	-5280 Jan 14 j 21:53	15°♐58'43	10.09279 AU
morning rise	-5280 Feb 01 j 16:02	18°♐16'51	
retrograde	-5280 May 19 j 13:52	26°♐42'04	
opposition	-5280 Jul 27 j 06:40	23°♐11'14	-1°38'58
min. Earth dist.	-5280 Jul 27 j 06:24	23°♐11'17	8.03076 AU
direct	-5280 Oct 01 j 13:29	19°♐45'42	
evening set	-5279 Jan 11 j 02:27	27°♐49'10	
	-5279 Jan 27 j 17:33	0°♑	
conjunction	-5279 Jan 28 j 17:03	0°♑07'46	-1°33'07
minimum elong	-5279 Jan 28 j 16:59	0°♑07'45	1°33'25
max. Earth dist.	-5279 Jan 28 j 19:59	0°♑08'44	9.97530 AU
morning rise	-5279 Feb 15 j 12:39	2°♑28'02	
retrograde	-5279 Jun 03 j 17:41	11°♑02'21	
opposition	-5279 Aug 10 j 20:30	7°♑30'28	-2°13'16
min. Earth dist.	-5279 Aug 10 j 15:52	7°♑31'25	7.92825 AU
direct	-5279 Oct 15 j 18:24	4°♑03'33	
evening set	-5278 Jan 26 j 03:49	12°♑16'57	
conjunction	-5278 Feb 12 j 22:04	14°♑37'58	-1°57'31

Attention, astronomical year style is used: The year -5278 in astronomical counting style is the year 5279 BCE in historical counting style.

minimum elong	-5278 Feb 12 j 22:00	14°♑37'57	1°57'49
max. Earth dist.	-5278 Feb 13 j 05:53	14°♑40'35	9.88785 AU
morning rise	-5278 Mar 02 j 20:48	17°♑00'28	
retrograde	-5278 Jun 19 j 01:35	25°♑40'33	
opposition	-5278 Aug 25 j 14:46	22°♑08'06	-2°39'43
min. Earth dist.	-5278 Aug 25 j 06:31	22°♑09'50	7.85909 AU
direct	-5278 Oct 30 j 07:28	18°♑39'55	
evening set	-5277 Feb 10 j 15:09	27°♑01'18	
conjunction	-5277 Feb 28 j 12:35	29°♑24'01	-2°14'41
minimum elong	-5277 Feb 28 j 12:32	29°♑24'00	2°14'57
max. Earth dist.	-5277 Mar 01 j 00:48	29°♑28'06	9.83667 AU
	-5277 Mar 05 j 00:12	0°♒	
morning rise	-5277 Mar 18 j 13:42	1°♒47'54	
retrograde	-5277 Jul 04 j 09:56	10°♒29'38	
opposition	-5277 Sep 09 j 11:08	6°♒57'08	-2°55'55
min. Earth dist.	-5277 Sep 09 j 00:05	6°♒59'28	7.82815 AU
direct	-5277 Nov 14 j 03:25	3°♒27'53	
evening set	-5276 Feb 26 j 08:46	11°♒54'25	
conjunction	-5276 Mar 15 j 08:47	14°♒17'58	-2°23'02
minimum elong	-5276 Mar 15 j 08:46	14°♒17'58	2°23'16
max. Earth dist.	-5276 Mar 16 j 00:47	14°♒23'19	9.82555 AU
	-5276 Mar 20 j 14:34	15°♒	
morning rise	-5276 Apr 02 j 11:24	16°♒42'17	
retrograde	-5276 Jul 18 j 15:01	25°♒21'10	
opposition	-5276 Sep 23 j 06:47	21°♒49'11	-3°00'21
min. Earth dist.	-5276 Sep 22 j 17:31	21°♒51'59	7.83777 AU
direct	-5276 Nov 28 j 04:25	18°♒19'11	
evening set	-5275 Mar 13 j 04:07	26°♒47'24	
conjunction	-5275 Mar 31 j 06:07	29°♒10'53	-2°21'53
minimum elong	-5275 Mar 31 j 06:09	29°♒10'53	2°22'04
max. Earth dist.	-5275 Apr 01 j 01:00	29°♒17'10	9.85559 AU
	-5275 Apr 06 j 09:52	0°♓	
morning rise	-5275 Apr 18 j 09:25	1°♓34'40	
retrograde	-5275 Aug 02 j 12:47	10°♓06'28	
opposition	-5275 Oct 07 j 23:06	6°♓35'30	-2°52'44
min. Earth dist.	-5275 Oct 07 j 08:15	6°♓38'37	7.88746 AU
direct	-5275 Dec 13 j 06:45	3°♓05'07	
evening set	-5274 Mar 28 j 20:47	11°♓31'23	
conjunction	-5274 Apr 16 j 00:00	13°♓53'55	-2°11'29
minimum elong	-5274 Apr 16 j 00:04	13°♓53'56	2°11'35
max. Earth dist.	-5274 Apr 16 j 20:33	14°♓00'42	9.92469 AU
morning rise	-5274 May 04 j 03:04	16°♓16'17	
retrograde	-5274 Aug 17 j 00:47	24°♓37'30	
opposition	-5274 Oct 22 j 09:47	21°♓07'57	-2°34'04
min. Earth dist.	-5274 Oct 21 j 17:53	21°♓11'16	7.97365 AU
direct	-5274 Dec 28 j 06:41	17°♓37'37	
evening set	-5273 Apr 13 j 07:00	25°♓58'39	
conjunction	-5273 May 01 j 10:23	28°♓19'25	-1°52'57
minimum elong	-5273 May 01 j 10:27	28°♓19'26	1°52'58
max. Earth dist.	-5273 May 02 j 07:30	28°♓26'17	10.02783 AU
	-5273 May 14 j 08:34	0°♈	
morning rise	-5273 May 19 j 12:06	0°♈39'33	
retrograde	-5273 Aug 31 j 02:34	8°♈47'48	
opposition	-5273 Nov 05 j 12:58	5°♈20'01	-2°06'20
min. Earth dist.	-5273 Nov 04 j 20:43	5°♈23'22	8.09039 AU
direct	-5272 Jan 12 j 01:12	1°♈50'06	
evening set	-5272 Apr 27 j 07:29	10°♈03'18	
conjunction	-5272 May 15 j 09:52	12°♈21'36	-1°28'03
minimum elong	-5272 May 15 j 09:56	12°♈21'37	1°28'01
max. Earth dist.	-5272 May 16 j 06:32	12°♈28'13	10.15796 AU
morning rise	-5272 Jun 02 j 09:12	14°♈38'51	
retrograde	-5272 Sep 12 j 18:18	22°♈33'03	
opposition	-5272 Nov 18 j 07:46	19°♈07'12	-1°32'04
min. Earth dist.	-5272 Nov 17 j 16:24	19°♈10'20	8.23014 AU
direct	-5271 Jan 25 j 11:39	15°♈38'03	
evening set	-5271 May 11 j 20:04	23°♈41'37	
conjunction	-5271 May 29 j 20:14	25°♈56'55	-0°58'52
minimum elong	-5271 May 29 j 20:17	25°♈56'56	0°58'45
max. Earth dist.	-5271 May 30 j 15:07	26°♈02'52	10.30674 AU
morning rise	-5271 Jun 16 j 16:15	28°♈10'53	
	-5271 Jul 01 j 19:28	0°♉	
retrograde	-5271 Sep 25 j 22:23	5°♉50'56	
opposition	-5271 Dec 01 j 17:36	2°♉27'08	-0°53'59
min. Earth dist.	-5271 Dec 01 j 04:23	2°♉29'47	8.38433 AU
	-5270 Jan 04 j 20:17	30°℞♈	
direct	-5270 Feb 08 j 14:51	28°♈58'58	
	-5270 Mar 15 j 08:18	0°♉	
evening set	-5270 May 25 j 20:08	6°♉52'03	
conjunction	-5270 Jun 12 j 16:53	9°♉04'00	-0°27'27
minimum elong	-5270 Jun 12 j 16:54	9°♉04'01	0°27'16
max. Earth dist.	-5270 Jun 13 j 08:26	9°♉08'49	10.46522 AU
morning rise	-5270 Jun 30 j 08:47	11°♉14'28	
	-5270 Aug 02 j 19:24	15°♉	
retrograde	-5270 Oct 08 j 13:51	18°♉41'11	
opposition	-5270 Dec 14 j 18:31	15°♉19'22	-0°14'33
min. Earth dist.	-5270 Dec 14 j 08:22	15°♉21'22	8.54417 AU
	-5270 Dec 18 j 20:42	15°℞♉	
direct	-5269 Feb 22 j 09:23	11°♉52'22	
	-5269 Apr 26 j 18:10	15°♉	
asc. node	-5269 May 04 j 07:52	15°♉43'00	
evening set	-5269 Jun 08 j 07:16	19°♉34'49	
conjunction	-5269 Jun 25 j 23:39	21°♉43'18	0°04'26
minimum elong	-5269 Jun 25 j 23:39	21°♉43'18	0°04'40
behind sun begin	-5269 Jun 25 j 16:36	21°♉41'11	
behind sun end	-5269 Jun 26 j 06:41	21°♉45'25	
max. Earth dist.	-5269 Jun 26 j 10:34	21°♉46'37	10.62470 AU
morning rise	-5269 Jul 13 j 10:55	23°♉50'13	
	-5269 Sep 15 j 15:26	0°♊	
retrograde	-5269 Oct 20 j 20:22	1°♊05'05	
	-5269 Nov 25 j 15:57	30°℞♉	
opposition	-5269 Dec 27 j 11:13	27°♉45'04	0°24'07
min. Earth dist.	-5269 Dec 27 j 03:55	27°♉46'28	8.70118 AU
direct	-5268 Mar 06 j 17:53	24°♉19'20	
	-5268 Jun 03 j 23:04	0°♊	
evening set	-5268 Jun 20 j 05:43	1°♊51'33	
conjunction	-5268 Jul 07 j 17:13	3°♊56'39	0°35'02
minimum elong	-5268 Jul 07 j 17:12	3°♊56'39	0°35'18
max. Earth dist.	-5268 Jul 07 j 23:36	3°♊58'34	10.77697 AU
morning rise	-5268 Jul 24 j 23:32	6°♊00'11	
retrograde	-5268 Oct 31 j 18:36	13°♊05'02	
opposition	-5267 Jan 07 j 20:24	9°♊46'35	1°00'22
min. Earth dist.	-5267 Jan 07 j 15:59	9°♊47'26	8.84736 AU
direct	-5267 Mar 19 j 16:29	6°♊22'10	
evening set	-5267 Jul 02 j 16:53	13°♊45'07	
conjunction	-5267 Jul 19 j 23:23	15°♊47'06	1°03'20
minimum elong	-5267 Jul 19 j 23:21	15°♊47'06	1°03'36
max. Earth dist.	-5267 Jul 20 j 01:49	15°♊47'50	10.91467 AU
morning rise	-5267 Aug 06 j 00:35	17°♊47'34	
retrograde	-5267 Nov 12 j 11:06	24°♊44'28	
opposition	-5266 Jan 19 j 23:18	21°♊27'20	1°32'59
min. Earth dist.	-5266 Jan 19 j 22:16	21°♊27'32	8.97617 AU
direct	-5266 Apr 01 j 06:48	18°♊04'12	
evening set	-5266 Jul 14 j 18:12	25°♊19'09	

Attention, astronomical year style is used: The year -5266 in astronomical counting style is the year 5267 BCE in historical counting style.

conjunction	-5266 Jul 31 j 19:40	27°♊18'22	1°28'21	
minimum elong	-5266 Jul 31 j 19:37	27°♊18'21	1°28'38	
max. Earth dist.	-5266 Jul 31 j 18:20	27°♊17'59	11.03244 AU	
morning rise	-5266 Aug 17 j 15:58	29°♊16'10		
	-5266 Aug 24 j 02:17	0°♋		
retrograde	-5266 Nov 23 j 23:23	6°♋07'10		
opposition	-5265 Jan 31 j 21:37	2°♋51'04	2°01'03	
min. Earth dist.	-5265 Feb 01 j 00:41	2°♋50'30	9.08331 AU	
	-5265 Mar 18 j 18:45	30°℞♊		
direct	-5265 Apr 13 j 12:03	29°♊29'08		
	-5265 May 09 j 02:14	0°♋		
evening set	-5265 Jul 26 j 11:01	6°♋37'18		
conjunction	-5265 Aug 12 j 07:34	8°♋34'11	1°49'25	
minimum elong	-5265 Aug 12 j 07:31	8°♋34'11	1°49'42	
max. Earth dist.	-5265 Aug 12 j 01:39	8°♋32'28	11.12686 AU	
morning rise	-5265 Aug 28 j 23:39	10°♋29'50		
retrograde	-5265 Dec 05 j 05:57	17°♋16'54		
opposition	-5264 Feb 12 j 16:24	14°♋01'28	2°23'57	
min. Earth dist.	-5264 Feb 12 j 22:59	14°♋00'15	9.16577 AU	
direct	-5264 Apr 24 j 11:58	10°♋40'33		
evening set	-5264 Aug 05 j 20:57	17°♋43'19		
conjunction	-5264 Aug 22 j 13:13	19°♋38'21	2°06'01	
minimum elong	-5264 Aug 22 j 13:11	19°♋38'20	2°06'19	
max. Earth dist.	-5264 Aug 22 j 03:25	19°♋35'30	11.19545 AU	
morning rise	-5264 Sep 08 j 01:47	21°♋32'20		
retrograde	-5264 Dec 15 j 12:56	28°♋17'22		
opposition	-5263 Feb 23 j 08:37	25°♋02'12	2°41'13	
min. Earth dist.	-5263 Feb 23 j 17:38	25°♋00'33	9.22118 AU	
direct	-5263 May 06 j 08:04	21°♋42'10		
evening set	-5263 Aug 17 j 01:28	28°♋40'50		
	-5263 Aug 28 j 14:39	0°♌		
conjunction	-5263 Sep 02 j 14:22	0°♌34'34	2°17'50	
minimum elong	-5263 Sep 02 j 14:20	0°♌34'33	2°18'07	
max. Earth dist.	-5263 Sep 02 j 02:21	0°♌31'05	11.23621 AU	
morning rise	-5263 Sep 19 j 00:05	2°♌27'27		
retrograde	-5263 Dec 26 j 19:38	9°♌12'16		
opposition	-5262 Mar 06 j 23:58	5°♌57'02	2°52'32	
min. Earth dist.	-5262 Mar 07 j 11:04	5°♌55'01	9.24786 AU	
direct	-5262 May 17 j 22:32	2°♌37'41		
evening set	-5262 Aug 28 j 02:17	9°♌33'37		
conjunction	-5262 Sep 13 j 12:34	11°♌26'36	2°24'36	
minimum elong	-5262 Sep 13 j 12:34	11°♌26'35	2°24'51	
max. Earth dist.	-5262 Sep 12 j 22:20	11°♌22'29	11.24797 AU	
morning rise	-5262 Sep 29 j 20:24	13°♌18'59		
	-5262 Oct 15 j 04:10	15°♌		
retrograde	-5261 Jan 07 j 04:32	20°♌05'23		
opposition	-5261 Mar 18 j 15:44	16°♌49'45	2°57'40	
min. Earth dist.	-5261 Mar 19 j 05:24	16°♌47'16	9.24521 AU	
	-5261 Apr 14 j 06:47	15°℞♌		
direct	-5261 May 29 j 10:46	13°♌30'52		
	-5261 Jul 12 j 08:30	15°♌		
evening set	-5261 Sep 08 j 01:15	20°♌25'29		
conjunction	-5261 Sep 24 j 09:47	22°♌18'19	2°26'10	
minimum elong	-5261 Sep 24 j 09:47	22°♌18'19	2°26'22	
max. Earth dist.	-5261 Sep 23 j 16:48	22°♌13'24	11.23068 AU	
morning rise	-5261 Oct 10 j 16:58	24°♌10'49		
	-5261 Dec 14 j 01:13	0°♍		
retrograde	-5260 Jan 18 j 14:01	1°♍00'31		
	-5260 Feb 24 j 00:21	30°℞♌		
opposition	-5260 Mar 29 j 08:56	27°♌44'11	2°56'28	
min. Earth dist.	-5260 Mar 30 j 00:44	27°♌41'18	9.21352 AU	
direct	-5260 Jun 08 j 21:22	24°♌25'34		
	-5260 Sep 05 j 23:33	0°♍		
evening set	-5260 Sep 17 j 23:53	1°♍20'20		
conjunction	-5260 Oct 04 j 07:49	3°♍13'36	2°22'26	
minimum elong	-5260 Oct 04 j 07:51	3°♍13'36	2°22'34	
max. Earth dist.	-5260 Oct 03 j 13:24	3°♍08'14	11.18495 AU	
morning rise	-5260 Oct 20 j 15:24	5°♍06'49		
retrograde	-5259 Jan 29 j 06:01	12°♍01'35		
opposition	-5259 Apr 10 j 04:51	8°♍44'14	2°48'51	
min. Earth dist.	-5259 Apr 10 j 21:12	8°♍41'15	9.15365 AU	
direct	-5259 Jun 20 j 10:18	5°♍25'43		
evening set	-5259 Sep 29 j 00:10	12°♍22'05		
conjunction	-5259 Oct 15 j 08:40	14°♍16'24	2°13'22	
minimum elong	-5259 Oct 15 j 08:42	14°♍16'25	2°13'28	
max. Earth dist.	-5259 Oct 14 j 14:19	14°♍11'01	11.11200 AU	
morning rise	-5259 Oct 31 j 17:28	16°♍10'56		
retrograde	-5258 Feb 10 j 04:32	23°♍12'24		
opposition	-5258 Apr 22 j 04:49	19°♍53'51	2°34'49	
min. Earth dist.	-5258 Apr 22 j 21:00	19°♍50'52	9.06739 AU	
direct	-5258 Jul 01 j 22:53	16°♍35'15		
evening set	-5258 Oct 10 j 04:06	23°♍34'42		
conjunction	-5258 Oct 26 j 14:02	25°♍30'39	1°59'04	
minimum elong	-5258 Oct 26 j 14:05	25°♍30'40	1°59'08	
max. Earth dist.	-5258 Oct 25 j 19:24	25°♍25'08	11.01419 AU	
morning rise	-5258 Nov 12 j 01:15	27°♍27'06		
	-5258 Dec 05 j 00:55	0°♎		
retrograde	-5257 Feb 22 j 09:55	4°♎36'54		
opposition	-5257 May 04 j 10:14	1°♎16'55	2°14'28	
min. Earth dist.	-5257 May 05 j 02:18	1°♎13'56	8.95765 AU	
	-5257 May 22 j 03:56	30°℞♍		
direct	-5257 Jul 13 j 14:55	27°♍58'01		
	-5257 Sep 01 j 19:48	0°♎		
evening set	-5257 Oct 21 j 13:34	5°♎02'06		
max. Earth dist.	-5257 Nov 06 j 06:50	6°♎54'31	10.89479 AU	
conjunction	-5257 Nov 07 j 01:49	7°♎00'13	1°39'44	
minimum elong	-5257 Nov 07 j 01:52	7°♎00'14	1°39'44	
morning rise	-5257 Nov 23 j 16:32	8°♎59'09		
retrograde	-5256 Mar 06 j 00:19	16°♎18'46		
opposition	-5256 May 15 j 22:04	12°♎57'12	1°48'05	
min. Earth dist.	-5256 May 16 j 13:53	12°♎54'14	8.82821 AU	
direct	-5256 Jul 24 j 12:11	9°♎37'48		
evening set	-5256 Nov 01 j 06:38	16°♎48'01		
conjunction	-5256 Nov 17 j 22:05	18°♎48'48	1°15'45	
minimum elong	-5256 Nov 17 j 22:08	18°♎48'49	1°15'40	
max. Earth dist.	-5256 Nov 17 j 04:38	18°♎43'29	10.75792 AU	
morning rise	-5256 Dec 04 j 16:54	20°♎50'41		
retrograde	-5255 Mar 18 j 23:22	28°♎21'26		
opposition	-5255 May 28 j 17:04	24°♎58'10	1°16'10	
min. Earth dist.	-5255 May 29 j 07:10	24°♎55'30	8.68392 AU	
direct	-5255 Aug 05 j 15:34	21°♎38'06		
evening set	-5255 Nov 13 j 09:11	28°♎55'56		
	-5255 Nov 22 j 03:00	0°♏		
conjunction	-5255 Nov 30 j 04:33	0°♏59'48	0°47'43	
minimum elong	-5255 Nov 30 j 04:35	0°♏59'49	0°47'35	
max. Earth dist.	-5255 Nov 29 j 13:57	0°♏55'17	10.60893 AU	
morning rise	-5255 Dec 17 j 03:53	3°♏05'00		
retrograde	-5254 Apr 01 j 10:25	10°♏47'59		
opposition	-5254 Jun 10 j 20:22	7°♏22'56	0°39'38	
min. Earth dist.	-5254 Jun 11 j 07:29	7°♏20'48	8.53086 AU	
direct	-5254 Aug 18 j 03:48	4°♏02'01		
evening set	-5254 Nov 25 j 23:06	11°♏28'47		

Attention, astronomical year style is used: The year -5254 in astronomical counting style is the year 5255 BCE in historical counting style.

conjunction	-5254 Dec 12 j 22:44	13°♏36'01	0°16'36
minimum elong	-5254 Dec 12 j 22:45	13°♏36'01	0°16'24
max. Earth dist.	-5254 Dec 12 j 11:18	13°♏32'26	10.45434 AU
	-5254 Dec 24 j 02:30	15°♏	
morning rise	-5254 Dec 30 j 02:58	15°♏44'47	
retrograde	-5253 Apr 15 j 09:21	23°♏40'34	
desc. node	-5253 Jun 22 j 01:43	20°♏24'28	
opposition	-5253 Jun 24 j 08:16	20°♏13'48	-0°00'15
min. Earth dist.	-5253 Jun 24 j 15:55	20°♏12'18	8.37612 AU
direct	-5253 Aug 30 j 22:36	16°♏51'52	
evening set	-5253 Dec 09 j 02:09	24°♏28'43	
conjunction	-5253 Dec 26 j 06:10	26°♏39'24	-0°16'25
minimum elong	-5253 Dec 26 j 06:09	26°♏39'24	0°16'39
max. Earth dist.	-5253 Dec 25 j 21:46	26°♏36'44	10.30165 AU
morning rise	-5252 Jan 12 j 15:23	28°♏51'49	
	-5252 Jan 21 j 20:29	0°♐	
retrograde	-5252 Apr 28 j 18:20	7°♐00'20	
opposition	-5252 Jul 07 j 04:37	3°♐31'58	-0°41'37
min. Earth dist.	-5252 Jul 07 j 09:04	3°♐31'05	8.22764 AU
direct	-5252 Sep 12 j 03:03	0°♐08'51	
evening set	-5252 Dec 21 j 19:06	7°♐56'34	
conjunction	-5251 Jan 08 j 03:27	10°♐10'38	-0°49'27
minimum elong	-5251 Jan 08 j 03:25	10°♐10'37	0°49'44
max. Earth dist.	-5251 Jan 07 j 23:02	10°♐09'12	10.15905 AU
morning rise	-5251 Jan 25 j 17:22	12°♐26'31	
retrograde	-5251 May 13 j 11:47	20°♐46'54	
opposition	-5251 Jul 21 j 09:12	17°♐17'10	-1°22'05
min. Earth dist.	-5251 Jul 21 j 10:14	17°♐16'58	8.09381 AU
direct	-5251 Sep 25 j 19:24	13°♐52'47	
evening set	-5250 Jan 05 j 01:56	21°♐51'24	
conjunction	-5250 Jan 22 j 14:31	24°♐08'36	-1°20'35
minimum elong	-5250 Jan 22 j 14:27	24°♐08'35	1°20'53
max. Earth dist.	-5250 Jan 22 j 15:00	24°♐08'46	10.03491 AU
morning rise	-5250 Feb 09 j 08:35	26°♐27'34	
	-5250 Mar 10 j 11:58	0°♑	
retrograde	-5250 May 28 j 12:08	4°♑57'59	
opposition	-5250 Aug 04 j 20:44	1°♑27'08	-1°58'53
min. Earth dist.	-5250 Aug 04 j 18:06	1°♑27'41	7.98265 AU
	-5250 Aug 23 j 04:18	30°℞♐	
direct	-5250 Oct 09 j 21:30	28°♐01'26	
	-5250 Nov 25 j 03:58	0°♑	
evening set	-5249 Jan 19 j 22:07	6°♑10'18	
conjunction	-5249 Feb 06 j 14:39	8°♑30'09	-1°47'31
minimum elong	-5249 Feb 06 j 14:35	8°♑30'08	1°47'48
max. Earth dist.	-5249 Feb 06 j 20:21	8°♑32'03	9.93684 AU
morning rise	-5249 Feb 24 j 12:06	10°♑51'36	
retrograde	-5249 Jun 12 j 18:04	19°♑29'06	
opposition	-5249 Aug 19 j 13:15	15°♑57'31	-2°29'04
min. Earth dist.	-5249 Aug 19 j 07:01	15°♑58'48	7.90080 AU
direct	-5249 Oct 24 j 07:51	12°♑30'30	
evening set	-5248 Feb 04 j 05:24	20°♑48'06	
conjunction	-5248 Feb 22 j 01:24	23°♑09'57	-2°08'04
minimum elong	-5248 Feb 22 j 01:21	23°♑09'56	2°08'20
max. Earth dist.	-5248 Feb 22 j 11:58	23°♑13'28	9.87067 AU
morning rise	-5248 Mar 11 j 01:26	25°♑33'06	
	-5248 Apr 16 j 20:27	0°♒	
retrograde	-5248 Jun 27 j 02:09	4°♒14'03	
opposition	-5248 Sep 02 j 08:51	0°♒42'10	-2°49'59
min. Earth dist.	-5248 Sep 01 j 23:12	0°♒44'11	7.85281 AU
	-5248 Sep 10 j 20:08	30°℞♑	
direct	-5248 Nov 07 j 01:13	27°♑14'00	
	-5247 Jan 01 j 06:00	0°♒	
evening set	-5247 Feb 18 j 20:24	5°♒38'03	
conjunction	-5247 Mar 08 j 19:20	8°♒01'08	-2°20'24
minimum elong	-5247 Mar 08 j 19:19	8°♒01'08	2°20'39
max. Earth dist.	-5247 Mar 09 j 10:02	8°♒06'03	9.84037 AU
morning rise	-5247 Mar 26 j 21:11	10°♒25'11	
	-5247 May 03 j 19:56	15°♒	
retrograde	-5247 Jul 12 j 09:10	19°♒05'29	
opposition	-5247 Sep 17 j 05:06	15°♒33'49	-2°59'41
min. Earth dist.	-5247 Sep 16 j 16:39	15°♒36'26	7.84197 AU
	-5247 Sep 23 j 23:00	15°℞♒	
direct	-5247 Nov 21 j 23:47	12°♒04'44	
	-5246 Jan 18 j 01:06	15°♒	
evening set	-5246 Mar 06 j 15:33	20°♒32'13	
conjunction	-5246 Mar 24 j 16:51	22°♒55'43	-2°23'26
minimum elong	-5246 Mar 24 j 16:52	22°♒55'43	2°23'38
max. Earth dist.	-5246 Mar 25 j 10:48	23°♒01'42	9.84896 AU
morning rise	-5246 Apr 11 j 19:45	25°♒19'44	
	-5246 May 20 j 18:35	0°♓	
retrograde	-5246 Jul 27 j 11:20	3°♓55'00	
opposition	-5246 Oct 01 j 23:15	0°♓24'01	-2°57'19
min. Earth dist.	-5246 Oct 01 j 08:56	0°♓27'02	7.87028 AU
	-5246 Oct 06 j 17:56	30°℞♒	
direct	-5246 Dec 07 j 01:13	26°♒54'16	
	-5245 Feb 04 j 07:37	0°♓	
evening set	-5245 Mar 22 j 10:20	5°♓21'40	
conjunction	-5245 Apr 09 j 13:12	7°♓44'41	-2°17'00
minimum elong	-5245 Apr 09 j 13:15	7°♓44'42	2°17'08
max. Earth dist.	-5245 Apr 10 j 09:14	7°♓51'18	9.89699 AU
morning rise	-5245 Apr 27 j 16:17	10°♓07'43	
retrograde	-5245 Aug 11 j 04:51	18°♓34'00	
opposition	-5245 Oct 16 j 13:00	15°♓04'08	-2°43'20
min. Earth dist.	-5245 Oct 15 j 21:53	15°♓07'18	7.93655 AU
direct	-5245 Dec 22 j 02:10	11°♓34'04	
evening set	-5244 Apr 06 j 00:09	19°♓57'47	
conjunction	-5244 Apr 24 j 03:35	22°♓19'25	-2°01'51
minimum elong	-5244 Apr 24 j 03:39	22°♓19'26	2°01'55
max. Earth dist.	-5244 Apr 25 j 00:15	22°♓26'11	9.98143 AU
morning rise	-5244 May 12 j 05:54	24°♓40'36	
	-5244 Jun 27 j 20:27	0°♈	
retrograde	-5244 Aug 24 j 12:05	2°♈54'58	
	-5244 Oct 23 j 02:04	30°℞♓	
opposition	-5244 Oct 29 j 20:05	29°♓26'32	-2°19'19
min. Earth dist.	-5244 Oct 29 j 05:10	29°♓29'38	8.03638 AU
direct	-5243 Jan 04 j 23:48	25°♓56'30	
	-5243 Mar 16 j 04:08	0°♈	
evening set	-5243 Apr 21 j 05:30	4°♈13'32	
conjunction	-5243 May 09 j 08:23	6°♈33'01	-1°39'31
minimum elong	-5243 May 09 j 08:27	6°♈33'02	1°39'30
max. Earth dist.	-5243 May 10 j 04:04	6°♈39'22	10.09645 AU
morning rise	-5243 May 27 j 08:58	8°♈51'39	
retrograde	-5243 Sep 07 j 07:53	16°♈52'18	
opposition	-5243 Nov 12 j 18:51	13°♈25'34	-1°47'36
min. Earth dist.	-5243 Nov 12 j 04:39	13°♈28'28	8.16301 AU
direct	-5242 Jan 19 j 15:25	9°♈55'54	
evening set	-5242 May 05 j 23:47	18°♈04'04	
conjunction	-5242 May 24 j 01:00	20°♈20'48	-1°11'58
minimum elong	-5242 May 24 j 01:03	20°♈20'49	1°11'53
max. Earth dist.	-5242 May 24 j 18:41	20°♈26'25	10.23420 AU
morning rise	-5242 Jun 10 j 22:49	22°♈36'21	
	-5242 Aug 31 j 09:55	0°♉	
retrograde	-5242 Sep 20 j 15:33	0°♉22'46	

Attention, astronomical year style is used: The year -5242 in astronomical counting style is the year 5243 BCE in historical counting style.

	-5242 Oct 10 j 23:55	30°℞♈		
opposition	-5242 Nov 26 j 08:45	26°♈57'51	-1°10'53	
min. Earth dist.	-5242 Nov 25 j 19:36	27°♈00'30	8.30815 AU	
direct	-5241 Feb 02 j 23:55	23°♈28'54		
	-5241 May 08 j 03:53	0°♉		
evening set	-5241 May 20 j 05:29	1°♉26'54		
conjunction	-5241 Jun 07 j 03:52	3°♉40'26	-0°41'18	
minimum elong	-5241 Jun 07 j 03:54	3°♉40'27	0°41'08	
max. Earth dist.	-5241 Jun 07 j 19:11	3°♉45'13	10.38590 AU	
morning rise	-5241 Jun 24 j 21:53	5°♉52'34		
retrograde	-5241 Oct 03 j 11:52	13°♉25'17		
opposition	-5241 Dec 09 j 13:32	10°♉02'11	-0°31'46	
min. Earth dist.	-5241 Dec 09 j 01:55	10°♉04'30	8.46319 AU	
direct	-5240 Feb 16 j 22:29	6°♉34'13		
evening set	-5240 Jun 01 j 22:07	14°♉21'34		
	-5240 Jun 07 j 05:15	15°♉		
conjunction	-5240 Jun 19 j 16:42	16°♉31'42	-0°09'30	
minimum elong	-5240 Jun 19 j 16:43	16°♉31'43	0°09'17	
behind sun begin	-5240 Jun 19 j 10:40	16°♉29'52		
behind sun end	-5240 Jun 19 j 22:45	16°♉33'33		
max. Earth dist.	-5240 Jun 20 j 05:22	16°♉35'35	10.54304 AU	
morning rise	-5240 Jul 07 j 06:10	18°♉40'17		
asc. node	-5240 Oct 10 j 04:25	25°♉59'14		
retrograde	-5240 Oct 14 j 23:38	26°♉00'29		
opposition	-5240 Dec 21 j 09:41	22°♉39'10	0°07'27	
min. Earth dist.	-5240 Dec 21 j 00:39	22°♉40'56	8.61995 AU	
direct	-5239 Mar 01 j 09:55	19°♉12'22		
evening set	-5239 Jun 15 j 01:58	26°♉49'15		
conjunction	-5239 Jul 02 j 15:58	28°♉56'00	0°21'54	
minimum elong	-5239 Jul 02 j 15:57	28°♉55'59	0°22'09	
max. Earth dist.	-5239 Jul 03 j 01:18	28°♉58'48	10.69765 AU	
	-5239 Jul 11 j 11:51	0°♊		
morning rise	-5239 Jul 20 j 00:29	1°♊01'07		
retrograde	-5239 Oct 27 j 01:41	8°♊10'25		
opposition	-5238 Jan 02 j 22:01	4°♊50'46	0°44'57	
min. Earth dist.	-5238 Jan 02 j 16:30	4°♊51'50	8.77089 AU	
direct	-5238 Mar 14 j 11:49	1°♊25'13		
evening set	-5238 Jun 27 j 18:03	8°♊52'23		
conjunction	-5238 Jul 15 j 02:53	10°♊55'51	0°51'20	
minimum elong	-5238 Jul 15 j 02:50	10°♊55'50	0°51'36	
max. Earth dist.	-5238 Jul 15 j 07:35	10°♊57'15	10.84274 AU	
morning rise	-5238 Aug 01 j 06:22	12°♊57'44		
retrograde	-5238 Nov 07 j 19:07	19°♊58'04		
opposition	-5237 Jan 15 j 03:31	16°♊39'53	1°19'16	
min. Earth dist.	-5237 Jan 15 j 01:20	16°♊40'18	8.90953 AU	
direct	-5237 Mar 27 j 06:39	13°♊15'39		
evening set	-5237 Jul 09 j 23:24	20°♊34'07		
conjunction	-5237 Jul 27 j 03:00	22°♊34'35	1°17'52	
minimum elong	-5237 Jul 27 j 02:57	22°♊34'34	1°18'09	
max. Earth dist.	-5237 Jul 27 j 03:16	22°♊34'39	10.97259 AU	
morning rise	-5237 Aug 13 j 01:37	24°♊33'35		
	-5237 Oct 08 j 15:24	0°♋		
retrograde	-5237 Nov 19 j 08:02	1°♋26'57		
	-5236 Jan 01 j 05:12	30°℞♊		
opposition	-5236 Jan 27 j 03:27	28°♊09'58	1°49'24	
min. Earth dist.	-5236 Jan 27 j 03:45	28°♊09'54	9.03053 AU	
direct	-5236 Apr 07 j 15:59	24°♊47'04		
	-5236 Jul 03 j 00:03	0°♋		
evening set	-5236 Jul 20 j 19:14	1°♋58'00		
conjunction	-5236 Aug 06 j 17:59	3°♋55'53	1°40'42	
minimum elong	-5236 Aug 06 j 17:56	3°♋55'52	1°40'59	
max. Earth dist.	-5236 Aug 06 j 15:09	3°♋55'03	11.08241 AU	
morning rise	-5236 Aug 23 j 12:00	5°♋52'26		
retrograde	-5236 Nov 29 j 17:01	12°♋40'51		
opposition	-5235 Feb 06 j 23:02	9°♋24'47	2°14'35	
min. Earth dist.	-5235 Feb 07 j 02:02	9°♋24'14	9.12942 AU	
direct	-5235 Apr 19 j 18:03	6°♋03'10		
evening set	-5235 Aug 01 j 07:34	13°♋07'54		
conjunction	-5235 Aug 18 j 01:51	15°♋03'40	1°59'17	
minimum elong	-5235 Aug 18 j 01:48	15°♋03'39	1°59'34	
max. Earth dist.	-5235 Aug 17 j 20:04	15°♋01'59	11.16830 AU	
morning rise	-5235 Sep 03 j 15:48	16°♋58'16		
retrograde	-5235 Dec 11 j 00:51	23°♋43'37		
opposition	-5234 Feb 18 j 15:41	20°♋28'14	2°34'18	
min. Earth dist.	-5234 Feb 18 j 22:10	20°♋27'02	9.20289 AU	
direct	-5234 May 01 j 13:47	17°♋07'45		
evening set	-5234 Aug 12 j 13:57	24°♋07'40		
conjunction	-5234 Aug 29 j 04:14	26°♋01'50	2°13'13	
minimum elong	-5234 Aug 29 j 04:12	26°♋01'49	2°13'30	
max. Earth dist.	-5234 Aug 28 j 18:38	25°♋59'04	11.22759 AU	
morning rise	-5234 Sep 14 j 15:03	27°♋55'03		
	-5234 Oct 03 j 18:22	0°♌		
retrograde	-5234 Dec 22 j 05:10	4°♌39'14		
opposition	-5233 Mar 02 j 06:57	1°♌24'09	2°48'12	
min. Earth dist.	-5233 Mar 02 j 16:41	1°♌22'23	9.24865 AU	
	-5233 Mar 22 j 02:54	30°℞♋		
direct	-5233 May 13 j 05:05	28°♋04'39		
	-5233 Jul 02 j 16:25	0°♌		
evening set	-5233 Aug 23 j 15:44	5°♌01'08		
conjunction	-5233 Sep 09 j 02:54	6°♌54'13	2°22'11	
minimum elong	-5233 Sep 09 j 02:53	6°♌54'13	2°22'27	
max. Earth dist.	-5233 Sep 08 j 14:08	6°♌50'32	11.25851 AU	
morning rise	-5233 Sep 25 j 11:34	8°♌46'38		
	-5233 Dec 08 j 02:06	15°♌		
retrograde	-5232 Jan 02 j 12:41	15°♌31'32		
	-5232 Jan 28 j 08:55	15°℞♌		
opposition	-5232 Mar 12 j 21:48	12°♌16'23	2°56'01	
min. Earth dist.	-5232 Mar 13 j 09:25	12°♌14'17	9.26520 AU	
direct	-5232 May 23 j 19:26	8°♌57'39		
	-5232 Aug 25 j 19:58	15°♌		
evening set	-5232 Sep 02 j 14:52	15°♌52'05		
max. Earth dist.	-5232 Sep 18 j 09:47	17°♌40'36	11.26000 AU	
conjunction	-5232 Sep 19 j 00:04	17°♌44'44	2°26'02	
minimum elong	-5232 Sep 19 j 00:04	17°♌44'43	2°26'15	
morning rise	-5232 Oct 05 j 07:22	19°♌36'55		
retrograde	-5231 Jan 12 j 21:56	26°♌24'12		
opposition	-5231 Mar 24 j 13:27	23°♌08'40	2°57'36	
min. Earth dist.	-5231 Mar 25 j 02:34	23°♌06'18	9.25187 AU	
direct	-5231 Jun 04 j 05:27	19°♌50'30		
evening set	-5231 Sep 13 j 13:07	26°♌44'17		
conjunction	-5231 Sep 29 j 21:14	28°♌37'04	2°24'38	
minimum elong	-5231 Sep 29 j 21:15	28°♌37'04	2°24'48	
max. Earth dist.	-5231 Sep 29 j 05:17	28°♌32'27	11.23186 AU	
	-5231 Oct 11 j 20:20	0°♍		
morning rise	-5231 Oct 16 j 04:15	0°♍29'38		
retrograde	-5230 Jan 24 j 11:30	7°♍21'03		
opposition	-5230 Apr 05 j 07:37	4°♍04'49	2°52'48	
min. Earth dist.	-5230 Apr 05 j 22:36	4°♍02'05	9.20891 AU	
direct	-5230 Jun 15 j 16:14	0°♍46'56		
evening set	-5230 Sep 24 j 12:05	7°♍41'30		
conjunction	-5230 Oct 10 j 20:01	9°♍35'00	2°17'56	
minimum elong	-5230 Oct 10 j 20:03	9°♍35'01	2°18'03	

Attention, astronomical year style is used: The year -5230 in astronomical counting style is the year 5231 BCE in historical counting style.

max. Earth dist.	-5230 Oct 10 j 01:43	9°♑29'40	11.17478 AU
morning rise	-5230 Oct 27 j 04:02	11°♑28'36	
retrograde	-5229 Feb 05 j 05:22	18°♑25'48	
opposition	-5229 Apr 17 j 05:17	15°♑08'31	2°41'38
min. Earth dist.	-5229 Apr 17 j 21:57	15°♑05'29	9.13737 AU
direct	-5229 Jun 27 j 03:44	11°♑50'40	
evening set	-5229 Oct 05 j 13:43	18°♑47'31	
conjunction	-5229 Oct 21 j 22:38	20°♑42'20	2°05'59
minimum elong	-5229 Oct 21 j 22:41	20°♑42'21	2°06'04
max. Earth dist.	-5229 Oct 21 j 03:30	20°♑36'42	11.09003 AU
morning rise	-5229 Nov 07 j 08:39	22°♑37'33	
retrograde	-5228 Feb 17 j 05:41	29°♑42'13	
opposition	-5228 Apr 28 j 07:20	26°♑23'35	2°24'08
min. Earth dist.	-5228 Apr 29 j 00:21	26°♑20'27	9.03884 AU
direct	-5228 Jul 07 j 18:54	23°♑05'29	
	-5228 Oct 14 j 22:29	0°♎	
evening set	-5228 Oct 15 j 19:49	0°♎06'12	
conjunction	-5228 Nov 01 j 06:52	2°♎02'58	1°48'55
minimum elong	-5228 Nov 01 j 06:55	2°♎02'59	1°48'57
max. Earth dist.	-5228 Oct 31 j 12:05	1°♎57'22	10.97958 AU
morning rise	-5228 Nov 17 j 19:41	4°♎00'22	
retrograde	-5227 Feb 28 j 16:21	11°♎14'09	
opposition	-5227 May 10 j 15:18	7°♎53'58	2°00'30
min. Earth dist.	-5227 May 11 j 07:31	7°♎50'57	8.91612 AU
direct	-5227 Jul 19 j 13:31	4°♎35'26	
evening set	-5227 Oct 27 j 08:34	11°♎41'35	
conjunction	-5227 Nov 12 j 22:24	13°♎40'48	1°27'02
minimum elong	-5227 Nov 12 j 22:27	13°♎40'49	1°27'00
max. Earth dist.	-5227 Nov 12 j 03:56	13°♎35'13	10.84722 AU
morning rise	-5227 Nov 29 j 14:56	15°♎40'57	
retrograde	-5226 Mar 13 j 11:24	23°♎05'23	
opposition	-5226 May 23 j 06:23	19°♎43'26	1°31'08
min. Earth dist.	-5226 May 23 j 21:32	19°♎40'34	8.77418 AU
direct	-5226 Jul 31 j 12:17	16°♎24'11	
evening set	-5226 Nov 08 j 06:01	23°♎37'21	
conjunction	-5226 Nov 24 j 23:18	25°♎39'29	1°00'50
minimum elong	-5226 Nov 24 j 23:20	25°♎39'30	1°00'44
max. Earth dist.	-5226 Nov 24 j 05:30	25°♎34'02	10.69869 AU
morning rise	-5226 Dec 11 j 20:22	27°♎42'50	
	-5226 Dec 31 j 14:27	0°♏	
retrograde	-5225 Mar 26 j 16:05	5°♏19'05	
opposition	-5225 Jun 05 j 05:15	1°♏55'15	0°56'42
min. Earth dist.	-5225 Jun 05 j 19:06	1°♏52'36	8.61941 AU
	-5225 Jul 02 j 00:11	30°℞♎	
direct	-5225 Aug 12 j 19:35	28°♎35'01	
	-5225 Sep 22 j 08:29	0°♏	
evening set	-5225 Nov 20 j 13:54	5°♏56'38	
conjunction	-5225 Dec 07 j 11:18	8°♏02'03	0°31'05
minimum elong	-5225 Dec 07 j 11:19	8°♏02'04	0°30'55
max. Earth dist.	-5225 Dec 06 j 19:43	7°♏57'12	10.54054 AU
morning rise	-5225 Dec 24 j 13:17	10°♏08'56	
	-5224 Feb 07 j 01:00	15°♏	
retrograde	-5224 Apr 08 j 07:48	17°♏57'51	
	-5224 Jun 11 j 11:57	15°℞♏	
opposition	-5224 Jun 17 j 12:30	14°♏32'04	0°18'18
min. Earth dist.	-5224 Jun 18 j 00:04	14°♏29'49	8.45883 AU
direct	-5224 Aug 24 j 11:01	11°♏10'39	
	-5224 Oct 31 j 06:06	15°♏	
evening set	-5224 Dec 02 j 09:57	18°♏42'01	
desc. node	-5224 Dec 06 j 10:06	19°♏11'56	
conjunction	-5224 Dec 19 j 11:49	20°♏50'54	-0°01'11
minimum elong	-5224 Dec 19 j 11:49	20°♏50'54	0°01'24
behind sun begin	-5224 Dec 19 j 04:41	20°♏48'40	
behind sun end	-5224 Dec 19 j 18:56	20°♏53'08	
max. Earth dist.	-5224 Dec 19 j 00:13	20°♏47'15	10.38004 AU
morning rise	-5223 Jan 05 j 18:39	23°♏01'27	
	-5223 Mar 17 j 22:48	0°♐	
retrograde	-5223 Apr 22 j 10:02	1°♐03'25	
	-5223 May 28 j 08:02	30°℞♏	
opposition	-5223 Jul 01 j 04:18	27°♏35'43	-0°22'31
min. Earth dist.	-5223 Jul 01 j 12:16	27°♏34'09	8.30031 AU
direct	-5223 Sep 06 j 11:54	24°♏13'00	
	-5223 Nov 30 j 03:52	0°♐	
evening set	-5223 Dec 15 j 19:34	1°♐55'04	
conjunction	-5222 Jan 02 j 01:57	4°♐07'30	-0°34'18
minimum elong	-5222 Jan 02 j 01:56	4°♐07'29	0°34'34
max. Earth dist.	-5222 Jan 01 j 18:54	4°♐05'13	10.22540 AU
morning rise	-5222 Jan 19 j 13:32	6°♐21'40	
retrograde	-5222 May 06 j 22:55	14°♐36'18	
opposition	-5222 Jul 15 j 04:36	11°♐06'52	-1°03'38
min. Earth dist.	-5222 Jul 15 j 08:13	11°♐06'08	8.15230 AU
direct	-5222 Sep 19 j 22:26	7°♐42'45	
evening set	-5222 Dec 29 j 19:24	15°♐36'00	
conjunction	-5221 Jan 16 j 06:08	17°♐51'48	-1°06'32
minimum elong	-5221 Jan 16 j 06:05	17°♐51'47	1°06'49
max. Earth dist.	-5221 Jan 16 j 03:41	17°♐51'00	10.08524 AU
morning rise	-5221 Feb 02 j 22:10	20°♐09'22	
retrograde	-5221 May 21 j 21:20	28°♐35'21	
opposition	-5221 Jul 29 j 12:38	25°♐04'29	-1°42'28
min. Earth dist.	-5221 Jul 29 j 12:06	25°♐04'36	8.02327 AU
direct	-5221 Oct 03 j 17:43	21°♐38'55	
evening set	-5220 Jan 13 j 09:17	29°♐43'12	
	-5220 Jan 15 j 13:04	0°♑	
conjunction	-5220 Jan 31 j 00:01	2°♑01'59	-1°35'40
minimum elong	-5220 Jan 30 j 23:57	2°♑01'57	1°35'58
max. Earth dist.	-5220 Jan 31 j 02:13	2°♑02'42	9.96795 AU
morning rise	-5220 Feb 17 j 19:52	4°♑22'27	
retrograde	-5220 Jun 05 j 02:24	12°♑57'24	
opposition	-5220 Aug 12 j 02:55	9°♑25'31	-2°16'06
min. Earth dist.	-5220 Aug 11 j 22:36	9°♑26'25	7.92128 AU
direct	-5220 Oct 16 j 23:15	5°♑58'31	
evening set	-5219 Jan 27 j 11:33	14°♑12'47	
conjunction	-5219 Feb 14 j 05:54	16°♑33'58	-1°59'27
minimum elong	-5219 Feb 14 j 05:50	16°♑33'56	1°59'44
max. Earth dist.	-5219 Feb 14 j 12:50	16°♑36'16	9.88135 AU
morning rise	-5219 Mar 04 j 04:53	18°♑56'38	
retrograde	-5219 Jun 20 j 10:29	27°♑37'12	
opposition	-5219 Aug 26 j 21:42	24°♑04'46	-2°41'39
min. Earth dist.	-5219 Aug 26 j 14:04	24°♑06'22	7.85326 AU
direct	-5219 Oct 31 j 14:04	20°♑36'29	
evening set	-5218 Feb 11 j 23:29	28°♑58'38	
	-5218 Feb 19 j 17:13	0°♒	
conjunction	-5218 Mar 01 j 21:03	1°♒21'29	-2°15'48
minimum elong	-5218 Mar 01 j 21:01	1°♒21'28	2°16'03
max. Earth dist.	-5218 Mar 02 j 08:43	1°♒25'23	9.83159 AU
morning rise	-5218 Mar 19 j 22:23	3°♒45'30	
retrograde	-5218 Jul 05 j 18:19	12°♒27'30	
opposition	-5218 Sep 10 j 18:22	8°♒55'02	-2°56'46
min. Earth dist.	-5218 Sep 10 j 07:46	8°♒57'15	7.82397 AU
direct	-5218 Nov 15 j 11:50	5°♒25'42	
evening set	-5217 Feb 27 j 17:37	13°♒52'48	
	-5217 Mar 08 j 05:00	15°♒	

Attention, astronomical year style is used: The year -5217 in astronomical counting style is the year 5218 BCE in historical counting style.

conjunction	-5217 Mar 17 j 17:52	16°♒16'27	-2°23'15
minimum elong	-5217 Mar 17 j 17:52	16°♒16'27	2°23'28
max. Earth dist.	-5217 Mar 18 j 09:41	16°♒21'45	9.82235 AU
morning rise	-5217 Apr 04 j 20:39	18°♒40'51	
retrograde	-5217 Jul 20 j 22:11	27°♒19'45	
opposition	-5217 Sep 25 j 14:06	23°♒47'47	-3°00'02
min. Earth dist.	-5217 Sep 25 j 00:52	23°♒50'35	7.83555 AU
direct	-5217 Nov 30 j 13:20	20°♒17'43	
evening set	-5216 Mar 14 j 13:17	28°♒46'16	
	-5216 Mar 23 j 21:29	0°♓	
conjunction	-5216 Apr 01 j 15:32	1°♓09'50	-2°21'10
minimum elong	-5216 Apr 01 j 15:34	1°♓09'50	2°21'19
max. Earth dist.	-5216 Apr 02 j 10:37	1°♓16'11	9.85442 AU
morning rise	-5216 Apr 19 j 18:52	3°♓33'39	
retrograde	-5216 Aug 03 j 19:08	12°♓05'12	
opposition	-5216 Oct 09 j 06:27	8°♓34'14	-2°51'16
min. Earth dist.	-5216 Oct 08 j 15:08	8°♓37'27	7.88724 AU
direct	-5216 Dec 14 j 14:41	5°♓03'49	
evening set	-5215 Mar 30 j 05:50	13°♓30'09	
conjunction	-5215 Apr 17 j 09:15	15°♓52'43	-2°09'53
minimum elong	-5215 Apr 17 j 09:19	15°♓52'44	2°09'58
max. Earth dist.	-5215 Apr 18 j 06:27	15°♓59'42	9.92554 AU
morning rise	-5215 May 05 j 12:14	18°♓15'02	
retrograde	-5215 Aug 18 j 08:01	26°♓35'49	
opposition	-5215 Oct 23 j 16:59	23°♓06'17	-2°31'35
min. Earth dist.	-5215 Oct 23 j 00:29	23°♓09'43	7.97538 AU
direct	-5215 Dec 29 j 13:46	19°♓35'53	
evening set	-5214 Apr 14 j 15:46	27°♓56'47	
	-5214 Apr 30 j 13:28	0°♈	
conjunction	-5214 May 02 j 19:18	0°♈17'31	-1°50'36
minimum elong	-5214 May 02 j 19:22	0°♈17'33	1°50'37
max. Earth dist.	-5214 May 03 j 17:11	0°♈24'39	10.03058 AU
morning rise	-5214 May 20 j 20:53	2°♈37'34	
retrograde	-5214 Sep 01 j 10:36	10°♈45'14	
opposition	-5214 Nov 06 j 19:54	7°♈17'28	-2°03'01
min. Earth dist.	-5214 Nov 06 j 03:35	7°♈20'50	8.09388 AU
direct	-5213 Jan 13 j 07:55	3°♈47'30	
evening set	-5213 Apr 29 j 15:53	12°♈00'24	
conjunction	-5213 May 17 j 18:16	14°♈18'37	-1°25'09
minimum elong	-5213 May 17 j 18:19	14°♈18'38	1°25'06
max. Earth dist.	-5213 May 18 j 15:17	14°♈25'21	10.16233 AU
morning rise	-5213 Jun 04 j 17:25	16°♈35'46	
retrograde	-5213 Sep 15 j 01:24	24°♈29'15	
opposition	-5213 Nov 20 j 14:25	21°♈03'28	-1°28'12
min. Earth dist.	-5213 Nov 19 j 23:34	21°♈06'29	8.23511 AU
direct	-5212 Jan 27 j 19:28	17°♈34'16	
evening set	-5212 May 13 j 03:58	25°♈37'27	
conjunction	-5212 May 31 j 03:54	27°♈52'36	-0°55'36
minimum elong	-5212 May 31 j 03:56	27°♈52'37	0°55'28
max. Earth dist.	-5212 May 31 j 22:26	27°♈58'26	10.31239 AU
morning rise	-5212 Jun 17 j 23:42	0°♉06'26	
	-5212 Jun 17 j 02:52	0°♉	
retrograde	-5212 Sep 27 j 03:24	7°♉45'47	
opposition	-5212 Dec 02 j 23:56	4°♉22'03	-0°49'47
min. Earth dist.	-5212 Dec 02 j 11:14	4°♉24'36	8.39055 AU
direct	-5211 Feb 09 j 22:53	0°♉53'52	
evening set	-5211 May 27 j 03:18	8°♉46'30	
conjunction	-5211 Jun 13 j 23:43	10°♉58'17	-0°24'01
minimum elong	-5211 Jun 13 j 23:44	10°♉58'17	0°23'50
max. Earth dist.	-5211 Jun 14 j 14:33	11°♉02'52	10.47199 AU
morning rise	-5211 Jul 01 j 15:26	13°♉08'33	
	-5211 Jul 17 j 09:43	15°♉	
retrograde	-5211 Oct 09 j 19:04	20°♉34'38	
opposition	-5211 Dec 16 j 00:21	17°♉12'53	-0°10'17
min. Earth dist.	-5211 Dec 15 j 14:06	17°♉14'55	8.55145 AU
	-5210 Jan 15 j 15:04	15°℞♉	
direct	-5210 Feb 23 j 16:19	13°♉45'55	
asc. node	-5210 Mar 25 j 04:56	14°♉29'24	
	-5210 Apr 03 j 11:51	15°♉	
evening set	-5210 Jun 09 j 13:43	21°♉27'52	
conjunction	-5210 Jun 27 j 05:48	23°♉36'10	0°07'51
minimum elong	-5210 Jun 27 j 05:47	23°♉36'10	0°08'05
behind sun begin	-5210 Jun 26 j 23:24	23°♉34'14	
behind sun end	-5210 Jun 27 j 12:10	23°♉38'05	
max. Earth dist.	-5210 Jun 27 j 16:29	23°♉39'24	10.63246 AU
morning rise	-5210 Jul 14 j 16:48	25°♉42'53	
	-5210 Aug 23 j 10:17	0°♊	
retrograde	-5210 Oct 22 j 00:54	2°♊57'09	
	-5210 Dec 23 j 18:53	30°℞♉	
opposition	-5210 Dec 28 j 16:38	29°♉37'12	0°28'15
min. Earth dist.	-5210 Dec 28 j 08:37	29°♉38'45	8.70938 AU
direct	-5209 Mar 09 j 00:25	26°♉11'33	
	-5209 May 19 j 06:54	0°♊	
evening set	-5209 Jun 22 j 11:33	3°♊43'14	
conjunction	-5209 Jul 09 j 22:46	5°♊48'08	0°38'18
minimum elong	-5209 Jul 09 j 22:45	5°♊48'07	0°38'33
max. Earth dist.	-5209 Jul 10 j 05:58	5°♊50'17	10.78571 AU
morning rise	-5209 Jul 27 j 04:38	7°♊51'27	
retrograde	-5209 Nov 02 j 23:17	14°♊55'45	
opposition	-5208 Jan 10 j 01:31	11°♊37'22	1°04'11
min. Earth dist.	-5208 Jan 09 j 20:39	11°♊38'18	8.85662 AU
direct	-5208 Mar 20 j 23:00	8°♊13'03	
evening set	-5208 Jul 03 j 22:02	15°♊35'22	
conjunction	-5208 Jul 21 j 04:10	17°♊37'08	1°06'16
minimum elong	-5208 Jul 21 j 04:08	17°♊37'07	1°06'32
max. Earth dist.	-5208 Jul 21 j 07:28	17°♊38'06	10.92446 AU
morning rise	-5208 Aug 07 j 04:53	19°♊37'21	
retrograde	-5208 Nov 13 j 15:40	26°♊33'40	
opposition	-5207 Jan 21 j 04:07	23°♊16'38	1°36'20
min. Earth dist.	-5207 Jan 21 j 03:24	23°♊16'47	8.98646 AU
direct	-5207 Apr 02 j 10:52	19°♊53'37	
evening set	-5207 Jul 15 j 22:38	27°♊07'52	
conjunction	-5207 Aug 01 j 23:36	29°♊06'51	1°30'52
minimum elong	-5207 Aug 01 j 23:33	29°♊06'50	1°31'09
max. Earth dist.	-5207 Aug 01 j 21:59	29°♊06'23	11.04292 AU
	-5207 Aug 09 j 13:11	0°♋	
morning rise	-5207 Aug 18 j 19:36	1°♋04'26	
retrograde	-5207 Nov 25 j 01:21	7°♋54'53	
opposition	-5206 Feb 02 j 01:58	4°♋38'53	2°03'50
min. Earth dist.	-5206 Feb 02 j 05:16	4°♋38'16	9.09398 AU
direct	-5206 Apr 14 j 17:02	1°♋17'03	
evening set	-5206 Jul 27 j 14:47	8°♋24'35	
conjunction	-5206 Aug 13 j 10:53	10°♋21'14	1°51'27
minimum elong	-5206 Aug 13 j 10:50	10°♋21'13	1°51'44
max. Earth dist.	-5206 Aug 13 j 04:34	10°♋19'24	11.13736 AU
morning rise	-5206 Aug 30 j 02:42	12°♋16'40	
retrograde	-5206 Dec 06 j 09:29	19°♋03'18	
opposition	-5205 Feb 13 j 20:15	15°♋47'57	2°26'05
min. Earth dist.	-5205 Feb 14 j 02:18	15°♋46'50	9.17608 AU
direct	-5205 Apr 26 j 17:33	12°♋27'11	
evening set	-5205 Aug 08 j 00:01	19°♋29'19	
conjunction	-5205 Aug 24 j 16:02	21°♋24'10	2°07'31

Attention, astronomical year style is used: The year -5205 in astronomical counting style is the year 5206 BCE in historical counting style.

minimum elong	-5205 Aug 24 j 15:59	21°♋24'09	2°07'48
max. Earth dist.	-5205 Aug 24 j 06:52	21°♋21'31	11.20536 AU
morning rise	-5205 Sep 10 j 04:15	23°♋17'58	
	-5205 Dec 10 j 09:16	0°♌	
retrograde	-5205 Dec 17 j 15:49	0°♌02'39	
	-5205 Dec 24 j 23:34	30°℞♋	
opposition	-5204 Feb 25 j 12:16	26°♋47'34	2°42'39
min. Earth dist.	-5204 Feb 25 j 20:43	26°♋46'02	9.23067 AU
direct	-5204 May 07 j 11:20	23°♋27'43	
	-5204 Aug 14 j 07:58	0°♌	
evening set	-5204 Aug 18 j 03:55	0°♌25'47	
conjunction	-5204 Sep 03 j 16:36	2°♌19'21	2°18'45
minimum elong	-5204 Sep 03 j 16:35	2°♌19'21	2°19'01
max. Earth dist.	-5204 Sep 03 j 05:02	2°♌16'01	11.24513 AU
morning rise	-5204 Sep 20 j 02:03	4°♌12'06	
retrograde	-5204 Dec 27 j 23:02	10°♌56'39	
opposition	-5203 Mar 08 j 03:22	7°♌41'31	2°53'16
min. Earth dist.	-5203 Mar 08 j 14:49	7°♌39'26	9.25623 AU
direct	-5203 May 19 j 01:44	4°♌22'20	
evening set	-5203 Aug 29 j 04:23	11°♌17'45	
conjunction	-5203 Sep 14 j 14:24	13°♌10'36	2°24'56
minimum elong	-5203 Sep 14 j 14:23	13°♌10'36	2°25'10
max. Earth dist.	-5203 Sep 13 j 23:27	13°♌06'18	11.25567 AU
morning rise	-5203 Sep 30 j 22:12	15°♌02'54	
	-5203 Sep 30 j 11:57	15°♌	
retrograde	-5202 Jan 08 j 05:23	21°♌49'04	
opposition	-5202 Mar 19 j 18:46	18°♌33'32	2°57'41
min. Earth dist.	-5202 Mar 20 j 08:58	18°♌30'57	9.25222 AU
direct	-5202 May 30 j 12:43	15°♌14'48	
evening set	-5202 Sep 09 j 02:54	22°♌09'00	
conjunction	-5202 Sep 25 j 11:18	24°♌01'43	2°25'54
minimum elong	-5202 Sep 25 j 11:19	24°♌01'43	2°26'05
max. Earth dist.	-5202 Sep 24 j 18:08	23°♌56'45	11.23694 AU
morning rise	-5202 Oct 11 j 18:31	25°♌54'09	
	-5202 Nov 20 j 23:22	0°♍	
retrograde	-5201 Jan 19 j 16:40	2°♍43'45	
	-5201 Mar 24 j 00:09	30°℞♌	
opposition	-5201 Mar 31 j 11:46	29°♌27'28	2°55'47
min. Earth dist.	-5201 Apr 01 j 03:15	29°♌24'39	9.21892 AU
direct	-5201 Jun 11 j 01:24	26°♌08'59	
	-5201 Aug 22 j 09:11	0°♍	
evening set	-5201 Sep 20 j 01:07	3°♍03'21	
conjunction	-5201 Oct 06 j 09:09	4°♍56'35	2°21'36
minimum elong	-5201 Oct 06 j 09:11	4°♍56'35	2°21'43
max. Earth dist.	-5201 Oct 05 j 15:30	4°♍51'27	11.18951 AU
morning rise	-5201 Oct 22 j 16:40	6°♍49'46	
retrograde	-5200 Jan 31 j 08:54	13°♍44'28	
opposition	-5200 Apr 11 j 07:32	10°♍27'09	2°47'29
min. Earth dist.	-5200 Apr 11 j 23:19	10°♍24'16	9.15726 AU
direct	-5200 Jun 21 j 12:12	7°♍08'46	
evening set	-5200 Sep 30 j 01:17	14°♍04'46	
conjunction	-5200 Oct 16 j 09:52	15°♍59'05	2°12'00
minimum elong	-5200 Oct 16 j 09:54	15°♍59'06	2°12'05
max. Earth dist.	-5200 Oct 15 j 15:22	15°♍53'40	11.11477 AU
morning rise	-5200 Nov 01 j 18:47	17°♍53'38	
retrograde	-5199 Feb 11 j 06:39	24°♍55'06	
opposition	-5199 Apr 23 j 07:20	21°♍36'32	2°32'49
min. Earth dist.	-5199 Apr 23 j 23:50	21°♍33'30	9.06919 AU
direct	-5199 Jul 03 j 00:22	18°♍18'00	
evening set	-5199 Oct 11 j 05:11	25°♍17'13	
conjunction	-5199 Oct 27 j 15:08	27°♍13'12	1°57'12
minimum elong	-5199 Oct 27 j 15:11	27°♍13'13	1°57'15
max. Earth dist.	-5199 Oct 26 j 19:39	27°♍07'25	11.01518 AU
morning rise	-5199 Nov 13 j 02:40	29°♍09'41	
	-5199 Nov 20 j 09:55	0°♎	
retrograde	-5198 Feb 23 j 12:07	6°♎19'32	
opposition	-5198 May 05 j 12:41	2°♎59'32	2°11'54
min. Earth dist.	-5198 May 06 j 05:29	2°♎56'25	8.95764 AU
	-5198 Jun 24 j 20:38	30°℞♍	
direct	-5198 Jul 14 j 16:40	29°♍40'40	
	-5198 Aug 03 j 08:10	0°♎	
evening set	-5198 Oct 22 j 14:31	6°♎44'35	
max. Earth dist.	-5198 Nov 07 j 07:59	8°♎37'03	10.89399 AU
conjunction	-5198 Nov 08 j 02:56	8°♎42'45	1°37'26
minimum elong	-5198 Nov 08 j 03:00	8°♎42'46	1°37'25
morning rise	-5198 Nov 24 j 17:55	10°♎41'45	
retrograde	-5197 Mar 08 j 01:19	18°♎01'32	
opposition	-5197 May 18 j 00:27	14°♎39'53	1°45'02
min. Earth dist.	-5197 May 18 j 16:21	14°♎36'54	8.82645 AU
direct	-5197 Jul 26 j 14:15	11°♎20'29	
evening set	-5197 Nov 03 j 07:39	18°♎30'39	
conjunction	-5197 Nov 19 j 23:26	20°♎31'32	1°13'06
minimum elong	-5197 Nov 19 j 23:29	20°♎31'33	1°13'01
max. Earth dist.	-5197 Nov 19 j 06:36	20°♎26'24	10.75535 AU
morning rise	-5197 Dec 06 j 18:26	22°♎33'30	
	-5196 Mar 10 j 14:08	0°♏	
retrograde	-5196 Mar 20 j 02:07	0°♏04'31	
	-5196 Mar 29 j 15:38	30°℞♎	
opposition	-5196 May 29 j 19:23	26°♎41'08	1°12'44
min. Earth dist.	-5196 May 30 j 08:59	26°♎38'33	8.68048 AU
direct	-5196 Aug 06 j 18:34	23°♎21'01	
	-5196 Nov 09 j 00:47	0°♏	
evening set	-5196 Nov 14 j 10:30	0°♏38'55	
conjunction	-5196 Dec 01 j 06:08	2°♏42'54	0°44'49
minimum elong	-5196 Dec 01 j 06:10	2°♏42'55	0°44'40
max. Earth dist.	-5196 Nov 30 j 15:26	2°♏38'21	10.60468 AU
morning rise	-5196 Dec 18 j 05:43	4°♏48'14	
retrograde	-5195 Apr 02 j 14:43	12°♏31'32	
opposition	-5195 Jun 11 j 22:44	9°♏06'23	0°35'56
min. Earth dist.	-5195 Jun 12 j 09:40	9°♏04'16	8.52580 AU
direct	-5195 Aug 19 j 04:09	5°♏45'23	
evening set	-5195 Nov 27 j 00:48	13°♏12'23	
	-5195 Dec 11 j 09:52	15°♏	
conjunction	-5195 Dec 14 j 00:35	15°♏19'43	0°13'34
minimum elong	-5195 Dec 14 j 00:35	15°♏19'43	0°13'22
behind sun begin	-5195 Dec 13 j 20:28	15°♏18'26	
behind sun end	-5195 Dec 14 j 04:42	15°♏21'00	
max. Earth dist.	-5195 Dec 13 j 12:11	15°♏15'50	10.44860 AU
morning rise	-5195 Dec 31 j 05:08	17°♏28'38	
retrograde	-5194 Apr 16 j 12:21	25°♏24'51	
desc. node	-5194 May 19 j 06:21	24°♏32'05	
opposition	-5194 Jun 25 j 10:52	21°♏57'58	-0°04'02
min. Earth dist.	-5194 Jun 25 j 19:00	21°♏56'22	8.36970 AU
direct	-5194 Aug 31 j 23:59	18°♏35'55	
evening set	-5194 Dec 10 j 04:17	26°♏13'10	
conjunction	-5194 Dec 27 j 08:27	28°♏24'00	-0°19'27
minimum elong	-5194 Dec 27 j 08:26	28°♏23'59	0°19'41
max. Earth dist.	-5194 Dec 26 j 23:22	28°♏21'06	10.29474 AU
	-5193 Jan 08 j 21:49	0°♐	
morning rise	-5193 Jan 13 j 18:01	0°♐36'34	
retrograde	-5193 Apr 30 j 20:32	8°♐45'36	
opposition	-5193 Jul 09 j 07:32	5°♐17'08	-0°45'19
min. Earth dist.	-5193 Jul 09 j 12:44	5°♐16'06	8.22027 AU

Attention, astronomical year style is used: The year -5193 in astronomical counting style is the year 5194 BCE in historical counting style.

direct	-5193 Sep 14 j 06:21	1°♐53'52	
evening set	-5193 Dec 23 j 21:51	9°♐42'07	
conjunction	-5192 Jan 10 j 06:29	11°♐56'22	-0°52'20
minimum elong	-5192 Jan 10 j 06:26	11°♐56'21	0°52'36
max. Earth dist.	-5192 Jan 10 j 02:05	11°♐54'57	10.15136 AU
morning rise	-5192 Jan 27 j 20:39	14°♐12'25	
retrograde	-5192 May 14 j 14:33	22°♐33'25	
opposition	-5192 Jul 22 j 12:25	19°♐03'33	-1°25'30
min. Earth dist.	-5192 Jul 22 j 13:47	19°♐03'17	8.08594 AU
direct	-5192 Sep 26 j 22:28	15°♐39'02	
evening set	-5191 Jan 06 j 05:29	23°♐38'19	
conjunction	-5191 Jan 23 j 18:22	25°♐55'42	-1°23'07
minimum elong	-5191 Jan 23 j 18:18	25°♐55'41	1°23'25
max. Earth dist.	-5191 Jan 23 j 19:27	25°♐56'04	10.02693 AU
morning rise	-5191 Feb 10 j 12:31	28°♐14'50	
	-5191 Feb 24 j 10:30	0°♑	
retrograde	-5191 May 29 j 16:40	6°♑45'53	
opposition	-5191 Aug 06 j 00:18	3°♑14'57	-2°01'47
min. Earth dist.	-5191 Aug 05 j 21:21	3°♑15'33	7.97491 AU
	-5191 Sep 27 j 05:50	30°℞♐	
direct	-5191 Oct 11 j 00:21	29°♐49'08	
	-5191 Oct 24 j 16:52	0°♑	
evening set	-5190 Jan 21 j 02:30	7°♑58'44	
conjunction	-5190 Feb 07 j 19:16	10°♑18'45	-1°49'33
minimum elong	-5190 Feb 07 j 19:13	10°♑18'44	1°49'50
max. Earth dist.	-5190 Feb 08 j 01:52	10°♑20'57	9.92945 AU
morning rise	-5190 Feb 25 j 16:46	12°♑40'21	
retrograde	-5190 Jun 13 j 23:32	21°♑18'27	
opposition	-5190 Aug 20 j 17:18	17°♑46'47	-2°31'14
min. Earth dist.	-5190 Aug 20 j 10:15	17°♑48'14	7.89425 AU
direct	-5190 Oct 25 j 11:24	14°♑19'41	
evening set	-5189 Feb 05 j 10:35	22°♑37'59	
conjunction	-5189 Feb 23 j 06:47	24°♑59'58	-2°09'25
minimum elong	-5189 Feb 23 j 06:44	24°♑59'57	2°09'41
max. Earth dist.	-5189 Feb 23 j 18:09	25°♑03'46	9.86511 AU
morning rise	-5189 Mar 13 j 06:53	27°♑23'15	
	-5189 Apr 02 j 23:44	0°♒	
retrograde	-5189 Jun 29 j 07:55	6°♒04'31	
opposition	-5189 Sep 04 j 13:16	2°♒32'35	-2°51'12
min. Earth dist.	-5189 Sep 04 j 02:58	2°♒34'45	7.84860 AU
	-5189 Oct 08 j 18:31	30°℞♑	
direct	-5189 Nov 09 j 05:33	29°♑04'20	
	-5189 Dec 10 j 09:55	0°♒	
evening set	-5188 Feb 21 j 02:19	7°♒28'53	
conjunction	-5188 Mar 10 j 01:21	9°♒52'03	-2°20'57
minimum elong	-5188 Mar 10 j 01:20	9°♒52'03	2°21'11
max. Earth dist.	-5188 Mar 10 j 16:15	9°♒57'02	9.83745 AU
morning rise	-5188 Mar 28 j 03:15	12°♒16'08	
	-5188 Apr 18 j 18:56	15°♒	
retrograde	-5188 Jul 13 j 14:34	20°♒56'25	
opposition	-5188 Sep 18 j 09:37	17°♒24'45	-2°59'50
min. Earth dist.	-5188 Sep 17 j 21:12	17°♒27'22	7.84029 AU
	-5188 Oct 20 j 05:00	15°℞♒	
direct	-5188 Nov 23 j 04:23	13°♒55'35	
	-5188 Dec 26 j 22:07	15°♒	
evening set	-5187 Mar 07 j 21:42	22°♒23'21	
conjunction	-5187 Mar 25 j 23:01	24°♒46'54	-2°23'08
minimum elong	-5187 Mar 25 j 23:02	24°♒46'54	2°23'19
max. Earth dist.	-5187 Mar 26 j 16:32	24°♒52'44	9.84832 AU
morning rise	-5187 Apr 13 j 01:59	27°♒10'55	
	-5187 May 05 j 12:56	0°♓	

retrograde	-5187 Jul 28 j 16:15	5°♓45'59	
opposition	-5187 Oct 03 j 03:52	2°♓15'03	-2°56'23
min. Earth dist.	-5187 Oct 02 j 14:05	2°♓17'57	7.87055 AU
	-5187 Nov 01 j 08:35	30°℞♒	
direct	-5187 Dec 08 j 05:33	28°♒45'15	
	-5186 Jan 13 j 21:52	0°♓	
evening set	-5186 Mar 23 j 16:25	7°♓12'47	
conjunction	-5186 Apr 10 j 19:18	9°♓35'49	-2°15'51
minimum elong	-5186 Apr 10 j 19:21	9°♓35'50	2°15'58
max. Earth dist.	-5186 Apr 11 j 14:30	9°♓42'10	9.89806 AU
morning rise	-5186 Apr 28 j 22:31	11°♓58'51	
retrograde	-5186 Aug 12 j 10:01	20°♓24'49	
opposition	-5186 Oct 17 j 17:34	16°♓55'03	-2°41'24
min. Earth dist.	-5186 Oct 17 j 03:03	16°♓58'05	7.93828 AU
direct	-5186 Dec 23 j 07:06	13°♓24'57	
evening set	-5185 Apr 08 j 06:15	21°♓48'44	
conjunction	-5185 Apr 26 j 09:42	24°♓10'22	-1°59'56
minimum elong	-5185 Apr 26 j 09:45	24°♓10'23	1°59'59
max. Earth dist.	-5185 Apr 27 j 05:23	24°♓16'49	9.98382 AU
morning rise	-5185 May 14 j 12:06	26°♓31'32	
	-5185 Jun 12 j 04:44	0°♈	
retrograde	-5185 Aug 26 j 16:49	4°♈45'28	
min. Earth dist.	-5185 Oct 31 j 09:48	1°♈20'14	8.03928 AU
opposition	-5185 Nov 01 j 00:30	1°♈17'11	-2°16'30
	-5185 Nov 16 j 22:05	30°℞♓	
direct	-5184 Jan 07 j 05:32	27°♓47'11	
	-5184 Feb 26 j 18:19	0°♈	
evening set	-5184 Apr 22 j 11:26	6°♈04'11	
conjunction	-5184 May 10 j 14:20	8°♈23'38	-1°36'59
minimum elong	-5184 May 10 j 14:24	8°♈23'39	1°36'58
max. Earth dist.	-5184 May 11 j 09:29	8°♈29'49	10.09993 AU
morning rise	-5184 May 28 j 14:53	10°♈42'14	
retrograde	-5184 Sep 08 j 11:39	18°♈42'27	
opposition	-5184 Nov 13 j 23:14	15°♈15'51	-1°44'09
min. Earth dist.	-5184 Nov 13 j 08:37	15°♈18'51	8.16690 AU
direct	-5183 Jan 20 j 21:38	11°♈46'17	
evening set	-5183 May 07 j 05:19	19°♈54'19	
conjunction	-5183 May 25 j 06:33	22°♈10'59	-1°09'00
minimum elong	-5183 May 25 j 06:37	22°♈11'00	1°08'54
max. Earth dist.	-5183 May 26 j 00:30	22°♈16'41	10.23862 AU
morning rise	-5183 Jun 12 j 04:11	24°♈26'27	
	-5183 Aug 02 j 17:41	0°♉	
retrograde	-5183 Sep 21 j 19:14	2°♉12'29	
	-5183 Nov 12 j 07:23	30°℞♈	
opposition	-5183 Nov 27 j 13:00	28°♈47'42	-1°07'00
min. Earth dist.	-5183 Nov 26 j 23:23	28°♈50'27	8.31290 AU
direct	-5182 Feb 04 j 04:59	25°♈18'52	
	-5182 Apr 23 j 02:27	0°♉	
evening set	-5182 May 21 j 10:48	3°♉16'39	
conjunction	-5182 Jun 08 j 09:08	5°♉30'07	-0°38'04
minimum elong	-5182 Jun 08 j 09:10	5°♉30'07	0°37'54
max. Earth dist.	-5182 Jun 09 j 01:05	5°♉35'05	10.39113 AU
morning rise	-5182 Jun 26 j 02:51	7°♉42'07	
	-5182 Sep 18 j 12:11	15°♉	
retrograde	-5182 Oct 04 j 17:26	15°♉14'25	
	-5182 Oct 20 j 22:42	15°℞♉	
opposition	-5182 Dec 10 j 17:40	11°♉51'29	-0°27'42
min. Earth dist.	-5182 Dec 10 j 06:10	11°♉53'47	8.46869 AU
direct	-5181 Feb 18 j 01:41	8°♉23'39	
	-5181 May 25 j 04:09	15°♉	
evening set	-5181 Jun 04 j 03:12	16°♉10'44	

Attention, astronomical year style is used: The year -5181 in astronomical counting style is the year 5182 BCE in historical counting style.

conjunction	-5181 Jun 21 j 21:32	18°♉20'46	-0°06'12	
minimum elong	-5181 Jun 21 j 21:33	18°♉20'47	0°05'59	
behind sun begin	-5181 Jun 21 j 14:41	18°♉18'41		
behind sun end	-5181 Jun 22 j 04:25	18°♉22'52		
max. Earth dist.	-5181 Jun 22 j 10:29	18°♉24'44	10.54889 AU	
morning rise	-5181 Jul 09 j 10:39	20°♉29'13		
asc. node	-5181 Sep 03 j 01:20	26°♉07'56		
retrograde	-5181 Oct 17 j 03:25	27°♉49'00		
opposition	-5181 Dec 23 j 13:49	24°♉27'51	0°11'30	
min. Earth dist.	-5181 Dec 23 j 05:25	24°♉29'30	8.62605 AU	
direct	-5180 Mar 02 j 14:09	21°♉01'10		
evening set	-5180 Jun 16 j 06:35	28°♉37'46		
	-5180 Jun 27 j 17:24	0°♊		
conjunction	-5180 Jul 03 j 20:10	0°♊44'20	0°25'07	
minimum elong	-5180 Jul 03 j 20:08	0°♊44'20	0°25'22	
max. Earth dist.	-5180 Jul 04 j 04:57	0°♊46'59	10.70397 AU	
morning rise	-5180 Jul 21 j 04:25	2°♊49'19		
retrograde	-5180 Oct 28 j 04:04	9°♊58'16		
opposition	-5179 Jan 04 j 01:58	6°♊38'45	0°48'46	
min. Earth dist.	-5179 Jan 03 j 20:38	6°♊39'46	8.77746 AU	
direct	-5179 Mar 15 j 17:31	3°♊13'18		
evening set	-5179 Jun 28 j 22:08	10°♊40'07		
conjunction	-5179 Jul 16 j 06:33	12°♊43'24	0°54'19	
minimum elong	-5179 Jul 16 j 06:31	12°♊43'23	0°54'35	
max. Earth dist.	-5179 Jul 16 j 10:45	12°♊44'39	10.84943 AU	
morning rise	-5179 Aug 02 j 09:48	14°♊45'07		
retrograde	-5179 Nov 08 j 22:20	21°♊45'07		
opposition	-5178 Jan 16 j 07:04	18°♊27'01	1°22'43	
min. Earth dist.	-5178 Jan 16 j 04:20	18°♊27'32	8.91632 AU	
direct	-5178 Mar 28 j 10:37	15°♊02'53		
evening set	-5178 Jul 11 j 02:54	22°♊20'56		
conjunction	-5178 Jul 28 j 06:12	24°♊21'14	1°20'30	
minimum elong	-5178 Jul 28 j 06:10	24°♊21'14	1°20'46	
max. Earth dist.	-5178 Jul 28 j 06:59	24°♊21'28	10.97937 AU	
morning rise	-5178 Aug 14 j 04:27	26°♊20'04		
	-5178 Sep 17 j 18:40	0°♋		
retrograde	-5178 Nov 20 j 10:35	3°♋13'07		
	-5177 Jan 27 j 10:26	30°℞♊		
opposition	-5177 Jan 28 j 06:47	29°♊56'11	1°52'21	
min. Earth dist.	-5177 Jan 28 j 06:35	29°♊56'13	9.03725 AU	
direct	-5177 Apr 09 j 20:07	26°♊33'23		
	-5177 Jun 17 j 08:58	0°♋		
evening set	-5177 Jul 22 j 22:14	3°♋43'51		
conjunction	-5177 Aug 08 j 20:40	5°♋41'34	1°42'54	
minimum elong	-5177 Aug 08 j 20:37	5°♋41'33	1°43'11	
max. Earth dist.	-5177 Aug 08 j 18:34	5°♋40'57	11.08902 AU	
morning rise	-5177 Aug 25 j 14:14	7°♋37'56		
retrograde	-5177 Dec 01 j 20:29	14°♋26'03		
opposition	-5176 Feb 09 j 02:13	11°♋10'02	2°16'58	
min. Earth dist.	-5176 Feb 09 j 05:31	11°♋09'25	9.13598 AU	
direct	-5176 Apr 20 j 21:29	7°♋48'28		
evening set	-5176 Aug 02 j 10:03	14°♋52'43		
conjunction	-5176 Aug 19 j 03:55	16°♋48'19	2°00'59	
minimum elong	-5176 Aug 19 j 03:52	16°♋48'18	2°01'16	
max. Earth dist.	-5176 Aug 18 j 21:50	16°♋46'33	11.17469 AU	
morning rise	-5176 Sep 04 j 17:38	18°♋42'46		
retrograde	-5176 Dec 12 j 01:11	25°♋27'49		
opposition	-5175 Feb 19 j 18:32	22°♋12'26	2°36'02	
min. Earth dist.	-5175 Feb 20 j 01:22	22°♋11'10	9.20921 AU	
direct	-5175 May 02 j 15:59	18°♋51'59		
evening set	-5175 Aug 13 j 15:51	25°♋51'25		

conjunction	-5175 Aug 30 j 05:49	27°♋45'25	2°14'22	
minimum elong	-5175 Aug 30 j 05:47	27°♋45'24	2°14'39	
max. Earth dist.	-5175 Aug 29 j 19:54	27°♋42'33	11.23366 AU	
morning rise	-5175 Sep 15 j 16:31	29°♋38'30		
	-5175 Sep 18 j 20:58	0°♌		
retrograde	-5175 Dec 23 j 07:07	6°♌22'26		
opposition	-5174 Mar 03 j 09:21	3°♌07'19	2°49'15	
min. Earth dist.	-5174 Mar 03 j 18:37	3°♌05'38	9.25451 AU	
	-5174 Apr 28 j 05:03	30°℞♋		
direct	-5174 May 14 j 09:19	29°♋47'50		
	-5174 May 30 j 09:43	0°♌		
evening set	-5174 Aug 24 j 17:06	6°♌43'50		
conjunction	-5174 Sep 10 j 04:09	8°♌36'49	2°22'47	
minimum elong	-5174 Sep 10 j 04:08	8°♌36'48	2°23'02	
max. Earth dist.	-5174 Sep 09 j 16:10	8°♌33'21	11.26405 AU	
morning rise	-5174 Sep 26 j 12:35	10°♌29'06		
	-5174 Nov 11 j 02:17	15°♌		
retrograde	-5173 Jan 03 j 14:09	17°♌13'45		
	-5173 Feb 28 j 16:09	15°℞♌		
opposition	-5173 Mar 14 j 23:56	13°♌58'33	2°56'23	
min. Earth dist.	-5173 Mar 15 j 10:50	13°♌56'34	9.27041 AU	
direct	-5173 May 25 j 21:15	10°♌39'53		
	-5173 Aug 11 j 18:14	15°♌		
evening set	-5173 Sep 04 j 15:47	17°♌33'48		
max. Earth dist.	-5173 Sep 20 j 11:05	19°♌22'22	11.26488 AU	
conjunction	-5173 Sep 21 j 00:53	19°♌26'21	2°26'03	
minimum elong	-5173 Sep 21 j 00:53	19°♌26'21	2°26'15	
morning rise	-5173 Oct 07 j 08:03	21°♌18'27		
retrograde	-5172 Jan 14 j 23:45	28°♌05'32		
opposition	-5172 Mar 25 j 15:27	24°♌49'58	2°57'15	
min. Earth dist.	-5172 Mar 26 j 04:41	24°♌47'34	9.25644 AU	
direct	-5172 Jun 05 j 07:17	21°♌31'50		
evening set	-5172 Sep 14 j 13:38	28°♌25'09		
	-5172 Sep 28 j 07:58	0°♍		
conjunction	-5172 Sep 30 j 21:37	0°♍17'51	2°24'05	
minimum elong	-5172 Sep 30 j 21:38	0°♍17'51	2°24'14	
max. Earth dist.	-5172 Sep 30 j 05:08	0°♍13'05	11.23615 AU	
morning rise	-5172 Oct 17 j 04:46	2°♍10'23		
retrograde	-5171 Jan 25 j 11:49	9°♍01'35		
opposition	-5171 Apr 06 j 09:18	5°♍45'20	2°51'47	
min. Earth dist.	-5171 Apr 07 j 00:44	5°♍42'31	9.21289 AU	
direct	-5171 Jun 16 j 17:08	2°♍27'28		
evening set	-5171 Sep 25 j 12:15	9°♍21'38		
conjunction	-5171 Oct 11 j 20:12	11°♍15'05	2°16'51	
minimum elong	-5171 Oct 11 j 20:14	11°♍15'05	2°16'57	
max. Earth dist.	-5171 Oct 11 j 02:05	11°♍09'47	11.17851 AU	
morning rise	-5171 Oct 28 j 04:22	13°♍08'38		
retrograde	-5170 Feb 06 j 05:15	20°♍05'43		
opposition	-5170 Apr 18 j 06:37	16°♍48'24	2°39'58	
min. Earth dist.	-5170 Apr 18 j 22:52	16°♍45'25	9.14082 AU	
direct	-5170 Jun 28 j 05:35	13°♍30'35		
evening set	-5170 Oct 06 j 13:34	20°♍27'03		
conjunction	-5170 Oct 22 j 22:42	22°♍21'51	2°04'24	
minimum elong	-5170 Oct 22 j 22:45	22°♍21'52	2°04'28	
max. Earth dist.	-5170 Oct 22 j 04:33	22°♍16'31	11.09335 AU	
morning rise	-5170 Nov 08 j 08:45	24°♍17'02		
	-5169 Jan 07 j 18:49	0°♎		
retrograde	-5169 Feb 18 j 07:53	1°♎21'36		
	-5169 Apr 01 j 23:00	30°℞♍		
opposition	-5169 Apr 30 j 08:32	28°♍02'56	2°21'54	
min. Earth dist.	-5169 May 01 j 00:38	27°♍59'59	9.04201 AU	
direct	-5169 Jul 09 j 20:12	24°♍44'55		

Attention, astronomical year style is used: The year -5169 in astronomical counting style is the year 5170 BCE in historical counting style.

	-5169 Oct 02 j 07:14	0°♎	
evening set	-5169 Oct 17 j 19:31	1°♎45'13	
conjunction	-5169 Nov 03 j 06:42	3°♎41'58	1°46'54
minimum elong	-5169 Nov 03 j 06:45	3°♎41'59	1°46'54
max. Earth dist.	-5169 Nov 02 j 12:12	3°♎36'27	10.98270 AU
morning rise	-5169 Nov 19 j 19:41	5°♎39'22	
retrograde	-5168 Mar 01 j 16:52	12°♎53'02	
opposition	-5168 May 11 j 16:20	9°♎32'50	1°57'46
min. Earth dist.	-5168 May 12 j 08:20	9°♎29'51	8.91904 AU
direct	-5168 Jul 20 j 13:02	6°♎14'20	
evening set	-5168 Oct 28 j 08:16	13°♎20'11	
conjunction	-5168 Nov 13 j 22:10	15°♎19'23	1°24'39
minimum elong	-5168 Nov 13 j 22:13	15°♎19'24	1°24'36
max. Earth dist.	-5168 Nov 13 j 03:00	15°♎13'36	10.84994 AU
morning rise	-5168 Nov 30 j 15:01	17°♎19'33	
retrograde	-5167 Mar 14 j 11:33	24°♎43'53	
opposition	-5167 May 24 j 07:08	21°♎21'57	1°28'00
min. Earth dist.	-5167 May 24 j 22:56	21°♎18'58	8.77645 AU
direct	-5167 Aug 01 j 12:59	18°♎02'44	
evening set	-5167 Nov 09 j 05:39	25°♎15'42	
conjunction	-5167 Nov 25 j 23:06	27°♎17'51	0°58'10
minimum elong	-5167 Nov 25 j 23:09	27°♎17'51	0°58'03
max. Earth dist.	-5167 Nov 25 j 05:13	27°♎12'22	10.70056 AU
morning rise	-5167 Dec 12 j 20:27	29°♎21'15	
	-5167 Dec 18 j 06:38	0°♏	
retrograde	-5166 Mar 27 j 16:32	6°♏57'30	
opposition	-5166 Jun 06 j 05:55	3°♏33'41	0°53'17
min. Earth dist.	-5166 Jun 06 j 20:07	3°♏30'58	8.62067 AU
direct	-5166 Aug 13 j 19:38	0°♏13'30	
evening set	-5166 Nov 21 j 13:32	7°♏35'02	
conjunction	-5166 Dec 08 j 11:14	9°♏40'30	0°28'15
minimum elong	-5166 Dec 08 j 11:15	9°♏40'30	0°28'04
max. Earth dist.	-5166 Dec 07 j 20:17	9°♏35'51	10.54123 AU
morning rise	-5166 Dec 25 j 13:21	11°♏47'25	
	-5165 Jan 22 j 09:45	15°♏	
retrograde	-5165 Apr 10 j 07:53	19°♏36'30	
opposition	-5165 Jun 19 j 13:07	16°♏10'43	0°14'45
min. Earth dist.	-5165 Jun 20 j 00:22	16°♏08'32	8.45889 AU
	-5165 Jul 05 j 01:22	15°℞♏	
direct	-5165 Aug 26 j 11:51	12°♏49'23	
	-5165 Oct 15 j 14:04	15°♏	
desc. node	-5165 Nov 05 j 03:02	16°♏56'42	
evening set	-5165 Dec 04 j 09:58	20°♏20'47	
conjunction	-5165 Dec 21 j 12:05	22°♏29'45	-0°04'05
minimum elong	-5165 Dec 21 j 12:05	22°♏29'45	0°04'18
behind sun begin	-5165 Dec 21 j 05:04	22°♏27'34	
behind sun end	-5165 Dec 21 j 19:06	22°♏31'57	
max. Earth dist.	-5165 Dec 21 j 00:44	22°♏26'11	10.37945 AU
morning rise	-5164 Jan 07 j 19:03	24°♏40'22	
	-5164 Feb 25 j 12:44	0°♐	
retrograde	-5164 Apr 23 j 11:17	2°♐42'33	
	-5164 Jun 22 j 14:15	30°℞♏	
opposition	-5164 Jul 02 j 04:50	29°♏14'53	-0°26'03
min. Earth dist.	-5164 Jul 02 j 12:21	29°♏13'24	8.29911 AU
direct	-5164 Sep 07 j 12:01	25°♏52'13	
	-5164 Nov 16 j 11:55	0°♐	
evening set	-5164 Dec 16 j 20:02	3°♐34'29	
conjunction	-5163 Jan 03 j 02:32	5°♐47'00	-0°37'05
minimum elong	-5163 Jan 03 j 02:30	5°♐46'59	0°37'21
max. Earth dist.	-5163 Jan 02 j 18:50	5°♐44'31	10.22360 AU
morning rise	-5163 Jan 20 j 14:18	8°♐01'16	
retrograde	-5163 May 08 j 01:24	16°♐16'11	
opposition	-5163 Jul 16 j 05:19	12°♐46'48	-1°06'58
min. Earth dist.	-5163 Jul 16 j 09:01	12°♐46'03	8.14995 AU
direct	-5163 Sep 20 j 21:17	9°♐22'42	
evening set	-5163 Dec 30 j 20:17	17°♐16'19	
conjunction	-5162 Jan 17 j 07:03	19°♐32'11	-1°09'04
minimum elong	-5162 Jan 17 j 07:00	19°♐32'10	1°09'20
max. Earth dist.	-5162 Jan 17 j 03:34	19°♐31'03	10.08244 AU
morning rise	-5162 Feb 03 j 23:18	21°♐49'52	
	-5162 May 05 j 13:06	0°♑	
retrograde	-5162 May 23 j 00:14	0°♑16'11	
	-5162 Jun 09 j 09:27	30°℞♐	
opposition	-5162 Jul 30 j 13:36	26°♐45'22	-1°45'23
min. Earth dist.	-5162 Jul 30 j 13:42	26°♐45'21	8.02009 AU
direct	-5162 Oct 04 j 17:41	23°♐19'47	
	-5161 Jan 03 j 08:47	0°♑	
evening set	-5161 Jan 14 j 10:39	1°♑24'33	
conjunction	-5161 Feb 01 j 01:29	3°♑43'25	-1°37'47
minimum elong	-5161 Feb 01 j 01:25	3°♑43'24	1°38'04
max. Earth dist.	-5161 Feb 01 j 02:47	3°♑43'51	9.96451 AU
morning rise	-5161 Feb 18 j 21:35	6°♑03'59	
retrograde	-5161 Jun 07 j 04:22	14°♑39'17	
opposition	-5161 Aug 14 j 04:05	11°♑07'28	-2°18'25
min. Earth dist.	-5161 Aug 14 j 00:37	11°♑08'11	7.91765 AU
direct	-5161 Oct 19 j 01:05	7°♑40'25	
evening set	-5160 Jan 29 j 13:32	15°♑55'14	
conjunction	-5160 Feb 16 j 08:03	18°♑16'31	-2°00'59
minimum elong	-5160 Feb 16 j 08:00	18°♑16'30	2°01'16
max. Earth dist.	-5160 Feb 16 j 14:31	18°♑18'41	9.87759 AU
morning rise	-5160 Mar 05 j 07:12	20°♑39'17	
retrograde	-5160 Jun 21 j 11:33	29°♑20'09	
opposition	-5160 Aug 27 j 23:07	25°♑47'46	-2°43'11
min. Earth dist.	-5160 Aug 27 j 16:01	25°♑49'15	7.84948 AU
direct	-5160 Nov 01 j 16:26	22°♑19'27	
	-5159 Feb 07 j 16:35	0°♒	
evening set	-5159 Feb 13 j 01:57	0°♒42'07	
conjunction	-5159 Mar 02 j 23:43	3°♒05'04	-2°16'39
minimum elong	-5159 Mar 02 j 23:41	3°♒05'04	2°16'54
max. Earth dist.	-5159 Mar 03 j 11:28	3°♒09'01	9.82785 AU
morning rise	-5159 Mar 21 j 01:05	5°♒29'10	
retrograde	-5159 Jul 06 j 19:15	14°♒11'25	
opposition	-5159 Sep 11 j 20:00	10°♒38'58	-2°57'23
min. Earth dist.	-5159 Sep 11 j 09:20	10°♒41'12	7.82041 AU
direct	-5159 Nov 16 j 13:49	7°♒09'35	
	-5158 Feb 24 j 02:29	15°♒	
evening set	-5158 Feb 28 j 20:28	15°♒37'08	
conjunction	-5158 Mar 18 j 20:58	18°♒00'54	-2°23'20
minimum elong	-5158 Mar 18 j 20:57	18°♒00'54	2°23'32
max. Earth dist.	-5158 Mar 19 j 13:18	18°♒06'22	9.81900 AU
morning rise	-5158 Apr 05 j 23:45	20°♒25'22	
retrograde	-5158 Jul 21 j 23:47	29°♒04'24	
opposition	-5158 Sep 26 j 15:54	25°♒32'26	-2°59'39
min. Earth dist.	-5158 Sep 26 j 02:16	25°♒35'18	7.83250 AU
direct	-5158 Dec 01 j 14:29	22°♒02'17	
	-5157 Mar 12 j 16:20	0°♓	
evening set	-5157 Mar 16 j 16:30	0°♓31'12	
conjunction	-5157 Apr 03 j 18:59	2°♓54'51	-2°20'28
minimum elong	-5157 Apr 03 j 19:01	2°♓54'52	2°20'36
max. Earth dist.	-5157 Apr 04 j 14:39	3°♓01'24	9.85172 AU
morning rise	-5157 Apr 21 j 22:18	5°♓18'44	
retrograde	-5157 Aug 05 j 22:21	13°♓50'17	

Attention, astronomical year style is used: The year -5157 in astronomical counting style is the year 5158 BCE in historical counting style.

opposition	-5157 Oct 11 j 08:24	10°♓19'17	-2°49'55	
min. Earth dist.	-5157 Oct 10 j 16:50	10°♓22'33	7.88486 AU	
direct	-5157 Dec 16 j 16:08	6°♓48'46		
evening set	-5156 Mar 31 j 09:18	15°♓15'22		
conjunction	-5156 Apr 18 j 12:51	17°♓38'00	-2°08'26	
minimum elong	-5156 Apr 18 j 12:54	17°♓38'01	2°08'31	
max. Earth dist.	-5156 Apr 19 j 10:27	17°♓45'07	9.92359 AU	
morning rise	-5156 May 06 j 15:45	20°♓00'21		
retrograde	-5156 Aug 19 j 11:40	28°♓20'59		
opposition	-5156 Oct 24 j 19:05	24°♓51'26	-2°29'22	
min. Earth dist.	-5156 Oct 24 j 02:45	24°♓54'50	7.97380 AU	
direct	-5156 Dec 30 j 16:10	21°♓20'56		
evening set	-5155 Apr 15 j 19:12	29°♓41'58		
	-5155 Apr 18 j 03:38	0°♈		
conjunction	-5155 May 03 j 22:44	2°♈02'44	-1°48'32	
minimum elong	-5155 May 03 j 22:48	2°♈02'45	1°48'32	
max. Earth dist.	-5155 May 04 j 20:39	2°♈09'52	10.02950 AU	
morning rise	-5155 May 22 j 00:16	4°♈22'48		
retrograde	-5155 Sep 02 j 12:58	12°♈30'13		
opposition	-5155 Nov 07 j 22:04	9°♈02'26	-2°00'06	
min. Earth dist.	-5155 Nov 07 j 06:23	9°♈05'41	8.09324 AU	
direct	-5154 Jan 14 j 11:00	5°♈32'22		
evening set	-5154 Apr 30 j 19:11	13°♈45'19		
conjunction	-5154 May 18 j 21:28	16°♈03'30	-1°22'35	
minimum elong	-5154 May 18 j 21:32	16°♈03'31	1°22'31	
max. Earth dist.	-5154 May 19 j 17:52	16°♈10'02	10.16219 AU	
morning rise	-5154 Jun 05 j 20:37	18°♈20'38		
retrograde	-5154 Sep 16 j 02:41	26°♈13'49		
opposition	-5154 Nov 21 j 16:32	22°♈48'02	-1°24'46	
min. Earth dist.	-5154 Nov 21 j 02:13	22°♈50'57	8.23541 AU	
direct	-5153 Jan 28 j 22:42	19°♈18'45		
evening set	-5153 May 15 j 07:08	27°♈21'54		
conjunction	-5153 Jun 02 j 06:53	29°♈37'00	-0°52'42	
minimum elong	-5153 Jun 02 j 06:56	29°♈37'01	0°52'34	
max. Earth dist.	-5153 Jun 03 j 00:32	29°♈42'33	10.31315 AU	
	-5153 Jun 05 j 07:57	0°♉		
morning rise	-5153 Jun 20 j 02:39	1°♉50'46		
retrograde	-5153 Sep 29 j 05:09	9°♉29'50		
opposition	-5153 Dec 05 j 01:57	6°♉06'05	-0°46'04	
min. Earth dist.	-5153 Dec 04 j 13:08	6°♉08'39	8.39172 AU	
direct	-5152 Feb 12 j 01:33	2°♉37'52		
evening set	-5152 May 28 j 06:10	10°♉30'22		
conjunction	-5152 Jun 15 j 02:24	12°♉42'05	-0°20'58	
minimum elong	-5152 Jun 15 j 02:25	12°♉42'05	0°20'46	
max. Earth dist.	-5152 Jun 15 j 16:58	12°♉46'35	10.47364 AU	
morning rise	-5152 Jul 02 j 17:57	14°♉52'17		
	-5152 Jul 03 j 19:28	15°♉		
retrograde	-5152 Oct 10 j 20:06	22°♉18'06		
opposition	-5152 Dec 17 j 02:20	18°♉56'21	-0°06'29	
min. Earth dist.	-5152 Dec 16 j 15:19	18°♉58'31	8.55351 AU	
asc. node	-5151 Feb 17 j 13:58	15°♉32'03		
direct	-5151 Feb 24 j 19:38	15°♉29'23		
evening set	-5151 Jun 10 j 16:10	23°♉11'08		
conjunction	-5151 Jun 28 j 08:07	25°♉19'21	0°10'53	
minimum elong	-5151 Jun 28 j 08:06	25°♉19'21	0°11'08	
behind sun begin	-5151 Jun 28 j 02:47	25°♉17'45		
behind sun end	-5151 Jun 28 j 13:25	25°♉20'57		
max. Earth dist.	-5151 Jun 28 j 19:33	25°♉22'50	10.63505 AU	
morning rise	-5151 Jul 15 j 18:48	27°♉25'58		
	-5151 Aug 07 j 07:27	0°♊		
retrograde	-5151 Oct 23 j 02:41	4°♊40'01		
opposition	-5151 Dec 29 j 18:31	1°♊20'05	0°31'56	
min. Earth dist.	-5151 Dec 29 j 10:05	1°♊21'43	8.71242 AU	
	-5150 Jan 16 j 11:22	30°℞♉		
direct	-5150 Mar 10 j 03:04	27°♉54'29		
	-5150 Apr 30 j 18:21	0°♊		
evening set	-5150 Jun 23 j 13:49	5°♊25'56		
conjunction	-5150 Jul 11 j 00:49	7°♊30'44	0°41'12	
minimum elong	-5150 Jul 11 j 00:47	7°♊30'43	0°41'28	
max. Earth dist.	-5150 Jul 11 j 08:54	7°♊33'09	10.78933 AU	
morning rise	-5150 Jul 28 j 06:16	9°♊33'55		
retrograde	-5150 Nov 04 j 01:37	16°♊37'58		
opposition	-5149 Jan 11 j 03:22	13°♊19'39	1°07'36	
min. Earth dist.	-5149 Jan 10 j 22:43	13°♊20'33	8.86090 AU	
direct	-5149 Mar 22 j 23:54	9°♊55'24		
evening set	-5149 Jul 06 j 00:03	17°♊17'27		
conjunction	-5149 Jul 23 j 05:45	19°♊19'04	1°08'55	
minimum elong	-5149 Jul 23 j 05:43	19°♊19'03	1°09'11	
max. Earth dist.	-5149 Jul 23 j 09:05	19°♊20'03	10.92946 AU	
morning rise	-5149 Aug 09 j 06:10	21°♊19'10		
retrograde	-5149 Nov 15 j 15:37	28°♊15'12		
opposition	-5148 Jan 23 j 05:56	24°♊58'14	1°39'20	
min. Earth dist.	-5148 Jan 23 j 05:15	24°♊58'22	8.99229 AU	
direct	-5148 Apr 03 j 13:29	21°♊35'16		
evening set	-5148 Jul 17 j 00:04	28°♊49'09		
	-5148 Jul 27 j 04:43	0°♋		
conjunction	-5148 Aug 03 j 00:37	0°♋47'58	1°33'08	
minimum elong	-5148 Aug 03 j 00:34	0°♋47'57	1°33'25	
max. Earth dist.	-5148 Aug 02 j 22:49	0°♋47'26	11.04941 AU	
morning rise	-5148 Aug 19 j 20:24	2°♋45'24		
retrograde	-5148 Nov 26 j 02:17	9°♋35'34		
opposition	-5147 Feb 03 j 03:26	6°♋19'37	2°06'19	
min. Earth dist.	-5147 Feb 03 j 05:59	6°♋19'08	9.10106 AU	
direct	-5147 Apr 15 j 19:47	2°♋57'53		
evening set	-5147 Jul 28 j 15:40	10°♋04'58		
conjunction	-5147 Aug 14 j 11:30	12°♋01'28	1°53'15	
minimum elong	-5147 Aug 14 j 11:28	12°♋01'27	1°53'32	
max. Earth dist.	-5147 Aug 14 j 05:57	11°♋59'51	11.14478 AU	
morning rise	-5147 Aug 31 j 03:01	13°♋56'44		
retrograde	-5147 Dec 07 j 09:44	20°♋43'04		
opposition	-5146 Feb 14 j 21:18	17°♋27'47	2°27'59	
min. Earth dist.	-5146 Feb 15 j 02:35	17°♋26'48	9.18374 AU	
direct	-5146 Apr 27 j 18:26	14°♋07'10		
evening set	-5146 Aug 09 j 00:25	21°♋08'50		
conjunction	-5146 Aug 25 j 16:13	23°♋03'31	2°08'50	
minimum elong	-5146 Aug 25 j 16:10	23°♋03'30	2°09'06	
max. Earth dist.	-5146 Aug 25 j 07:52	23°♋01'06	11.21309 AU	
morning rise	-5146 Sep 11 j 04:05	24°♋57'10		
	-5146 Nov 02 j 16:02	0°♌		
retrograde	-5146 Dec 18 j 17:08	1°♌41'35		
	-5145 Feb 04 j 08:26	30°℞♋		
opposition	-5145 Feb 26 j 13:11	28°♋26'37	2°43'55	
min. Earth dist.	-5145 Feb 26 j 21:42	28°♋25'04	9.23842 AU	
direct	-5145 May 09 j 12:21	25°♋06'55		
	-5145 Aug 01 j 01:21	0°♌		
evening set	-5145 Aug 20 j 03:54	2°♌04'31		
conjunction	-5145 Sep 05 j 16:15	3°♌57'57	2°19'32	
minimum elong	-5145 Sep 05 j 16:14	3°♌57'57	2°19'48	
max. Earth dist.	-5145 Sep 05 j 04:22	3°♌54'31	11.25281 AU	
morning rise	-5145 Sep 22 j 01:34	5°♌50'34		
retrograde	-5145 Dec 29 j 21:52	12°♌34'52		
opposition	-5144 Mar 09 j 04:04	9°♌19'51	2°53'51	

Attention, astronomical year style is used: The year -5144 in astronomical counting style is the year 5145 BCE in historical counting style.

min. Earth dist.	-5144 Mar 09 j 15:56	9°♌17'41	9.26383 AU
direct	-5144 May 20 j 01:19	6°♌00'48	
evening set	-5144 Aug 30 j 03:55	12°♌55'47	
conjunction	-5144 Sep 15 j 13:44	14°♌48'31	2°25'10
minimum elong	-5144 Sep 15 j 13:43	14°♌48'31	2°25'23
max. Earth dist.	-5144 Sep 14 j 22:34	14°♌44'08	11.26308 AU
	-5144 Sep 17 j 05:33	15°♌	
morning rise	-5144 Oct 01 j 21:31	16°♌40'43	
retrograde	-5143 Jan 09 j 05:11	23°♌26'41	
opposition	-5143 Mar 20 j 19:01	20°♌11'14	2°57'37
min. Earth dist.	-5143 Mar 21 j 08:51	20°♌08'43	9.25934 AU
direct	-5143 May 31 j 14:18	16°♌52'38	
evening set	-5143 Sep 10 j 02:00	23°♌46'23	
conjunction	-5143 Sep 26 j 10:26	25°♌39'02	2°25'36
minimum elong	-5143 Sep 26 j 10:27	25°♌39'02	2°25'46
max. Earth dist.	-5143 Sep 25 j 18:01	25°♌34'17	11.24368 AU
morning rise	-5143 Oct 12 j 17:33	27°♌31'23	
	-5143 Nov 04 j 16:02	0°♍	
retrograde	-5142 Jan 20 j 16:41	4°♍20'46	
opposition	-5142 Apr 01 j 11:44	1°♍04'34	2°55'04
min. Earth dist.	-5142 Apr 02 j 02:33	1°♍01'52	9.22516 AU
	-5142 Apr 16 j 13:07	30°℞♌	
direct	-5142 Jun 12 j 00:49	27°♌46'14	
	-5142 Aug 04 j 23:57	0°♍	
evening set	-5142 Sep 20 j 23:55	4°♍40'09	
conjunction	-5142 Oct 07 j 07:58	6°♍33'19	2°20'46
minimum elong	-5142 Oct 07 j 08:00	6°♍33'19	2°20'54
max. Earth dist.	-5142 Oct 06 j 14:35	6°♍28'15	11.19528 AU
morning rise	-5142 Oct 23 j 15:28	8°♍26'26	
retrograde	-5141 Feb 01 j 08:12	15°♍20'58	
opposition	-5141 Apr 13 j 07:23	12°♍03'42	2°46'10
min. Earth dist.	-5141 Apr 13 j 23:18	12°♍00'48	9.16246 AU
direct	-5141 Jun 23 j 11:18	8°♍45'25	
evening set	-5141 Oct 01 j 23:50	15°♍41'02	
conjunction	-5141 Oct 18 j 08:22	17°♍35'17	2°10'41
minimum elong	-5141 Oct 18 j 08:25	17°♍35'18	2°10'46
max. Earth dist.	-5141 Oct 17 j 13:12	17°♍29'40	11.11950 AU
morning rise	-5141 Nov 03 j 17:32	19°♍29'48	
retrograde	-5140 Feb 13 j 06:05	26°♍31'06	
opposition	-5140 Apr 24 j 06:58	23°♍12'34	2°30'56
min. Earth dist.	-5140 Apr 25 j 00:08	23°♍09'25	9.07328 AU
direct	-5140 Jul 03 j 23:53	19°♍54'05	
evening set	-5140 Oct 12 j 03:26	26°♍52'56	
conjunction	-5140 Oct 28 j 13:31	28°♍48'53	1°55'28
minimum elong	-5140 Oct 28 j 13:34	28°♍48'54	1°55'30
max. Earth dist.	-5140 Oct 27 j 17:57	28°♍43'05	11.01871 AU
	-5140 Nov 07 j 14:02	0°♎	
morning rise	-5140 Nov 14 j 01:16	0°♎45'23	
retrograde	-5139 Feb 24 j 09:41	7°♎55'06	
opposition	-5139 May 06 j 11:58	4°♎35'03	2°09'31
min. Earth dist.	-5139 May 07 j 04:54	4°♎31'55	8.96044 AU
direct	-5139 Jul 15 j 15:48	1°♎16'13	
evening set	-5139 Oct 23 j 12:34	8°♎19'49	
max. Earth dist.	-5139 Nov 08 j 06:59	10°♎12'31	10.89609 AU
conjunction	-5139 Nov 09 j 01:15	10°♎18'00	1°35'20
minimum elong	-5139 Nov 09 j 01:18	10°♎18'01	1°35'18
morning rise	-5139 Nov 25 j 16:18	12°♎17'00	
retrograde	-5138 Mar 09 j 00:54	19°♎36'43	
opposition	-5138 May 18 j 23:27	16°♎15'00	1°42'14
min. Earth dist.	-5138 May 19 j 14:47	16°♎12'08	8.82779 AU
direct	-5138 Jul 27 j 14:05	12°♎55'37	
evening set	-5138 Nov 04 j 05:39	20°♎05'31	
conjunction	-5138 Nov 20 j 21:37	22°♎06'25	1°10'41
minimum elong	-5138 Nov 20 j 21:39	22°♎06'26	1°10'36
max. Earth dist.	-5138 Nov 20 j 04:44	22°♎01'17	10.75598 AU
morning rise	-5138 Dec 07 j 16:45	24°♎08'25	
	-5137 Feb 04 j 12:55	0°♏	
retrograde	-5137 Mar 22 j 02:15	1°♏39'25	
	-5137 May 07 j 18:28	30°℞♎	
opposition	-5137 May 31 j 18:21	28°♎15'57	1°09'38
min. Earth dist.	-5137 Jun 01 j 07:46	28°♎13'24	8.68034 AU
direct	-5137 Aug 08 j 15:57	24°♎55'49	
	-5137 Oct 28 j 06:12	0°♏	
evening set	-5137 Nov 16 j 08:33	2°♏13'34	
conjunction	-5137 Dec 03 j 04:17	4°♏17'35	0°42'13
minimum elong	-5137 Dec 03 j 04:19	4°♏17'35	0°42'04
max. Earth dist.	-5137 Dec 02 j 12:41	4°♏12'45	10.60388 AU
morning rise	-5137 Dec 20 j 04:11	6°♏22'58	
retrograde	-5136 Apr 03 j 12:47	14°♏06'18	
opposition	-5136 Jun 12 j 21:37	10°♏41'04	0°32'39
min. Earth dist.	-5136 Jun 13 j 09:09	10°♏38'50	8.52420 AU
direct	-5136 Aug 20 j 02:32	7°♏19'59	
evening set	-5136 Nov 27 j 23:01	14°♏46'59	
	-5136 Nov 29 j 17:14	15°♏	
conjunction	-5136 Dec 14 j 22:54	16°♏54'23	0°10'52
minimum elong	-5136 Dec 14 j 22:55	16°♏54'24	0°10'40
behind sun begin	-5136 Dec 14 j 17:25	16°♏52'41	
behind sun end	-5136 Dec 15 j 04:25	16°♏56'06	
max. Earth dist.	-5136 Dec 14 j 09:48	16°♏50'17	10.44633 AU
morning rise	-5135 Jan 01 j 03:46	19°♏03'23	
retrograde	-5135 Apr 17 j 10:34	26°♏59'44	
desc. node	-5135 Apr 19 j 08:01	26°♏59'33	
opposition	-5135 Jun 26 j 09:40	23°♏32'45	-0°07'22
min. Earth dist.	-5135 Jun 26 j 18:38	23°♏30'59	8.36668 AU
direct	-5135 Sep 01 j 23:14	20°♏10'35	
evening set	-5135 Dec 11 j 02:40	27°♏47'58	
conjunction	-5135 Dec 28 j 07:04	29°♏58'53	-0°22'06
minimum elong	-5135 Dec 28 j 07:03	29°♏58'53	0°22'20
max. Earth dist.	-5135 Dec 27 j 22:06	29°♏56'02	10.29107 AU
	-5135 Dec 28 j 10:34	0°♐	
morning rise	-5134 Jan 14 j 16:47	2°♐11'33	
retrograde	-5134 May 01 j 19:33	10°♐20'52	
opposition	-5134 Jul 10 j 06:26	6°♐52'16	-0°48'32
min. Earth dist.	-5134 Jul 10 j 11:53	6°♐51'11	8.21599 AU
direct	-5134 Sep 15 j 05:05	3°♐28'54	
evening set	-5134 Dec 24 j 20:33	11°♐17'25	
conjunction	-5133 Jan 11 j 05:28	13°♐31'46	-0°54'49
minimum elong	-5133 Jan 11 j 05:25	13°♐31'46	0°55'06
max. Earth dist.	-5133 Jan 11 j 01:36	13°♐30'31	10.14648 AU
morning rise	-5133 Jan 28 j 19:42	15°♐47'56	
retrograde	-5133 May 16 j 14:20	24°♐09'18	
opposition	-5133 Jul 24 j 11:27	20°♐39'20	-1°28'26
min. Earth dist.	-5133 Jul 24 j 12:30	20°♐39'07	8.08062 AU
direct	-5133 Sep 28 j 21:16	17°♐14'43	
evening set	-5132 Jan 08 j 04:53	25°♐14'26	
conjunction	-5132 Jan 25 j 17:57	27°♐31'57	-1°25'18
minimum elong	-5132 Jan 25 j 17:53	27°♐31'56	1°25'35
max. Earth dist.	-5132 Jan 25 j 19:15	27°♐32'23	10.02117 AU
morning rise	-5132 Feb 12 j 12:09	29°♐51'11	
	-5132 Feb 13 j 15:34	0°♑	
retrograde	-5132 May 30 j 16:38	8°♑22'41	
opposition	-5132 Aug 06 j 23:29	4°♑51'39	-2°04'14

Attention, astronomical year style is used: The year -5132 in astronomical counting style is the year 5133 BCE in historical counting style.

min. Earth dist.	-5132 Aug 06 j 20:09	4°♑52'19	7.96898 AU
direct	-5132 Oct 11 j 23:23	1°♑25'45	
evening set	-5131 Jan 22 j 02:30	9°♑35'56	
conjunction	-5131 Feb 08 j 19:22	11°♑56'05	-1°51'15
minimum elong	-5131 Feb 08 j 19:18	11°♑56'04	1°51'32
max. Earth dist.	-5131 Feb 09 j 01:47	11°♑58'13	9.92342 AU
morning rise	-5131 Feb 26 j 16:56	14°♑17'48	
retrograde	-5131 Jun 15 j 00:01	22°♑56'22	
opposition	-5131 Aug 21 j 16:55	19°♑24'39	-2°33'01
min. Earth dist.	-5131 Aug 21 j 09:42	19°♑26'09	7.88846 AU
direct	-5131 Oct 26 j 09:59	15°♑57'30	
evening set	-5130 Feb 06 j 11:09	24°♑16'25	
conjunction	-5130 Feb 24 j 07:23	26°♑38'32	-2°10'31
minimum elong	-5130 Feb 24 j 07:20	26°♑38'31	2°10'47
max. Earth dist.	-5130 Feb 24 j 18:19	26°♑42'11	9.85977 AU
morning rise	-5130 Mar 14 j 07:38	29°♑01'56	
	-5130 Mar 21 j 19:04	0°♒	
retrograde	-5130 Jun 30 j 09:06	7°♒43'36	
opposition	-5130 Sep 05 j 13:17	4°♒11'40	-2°52'10
min. Earth dist.	-5130 Sep 05 j 03:11	4°♒13'47	7.84408 AU
direct	-5130 Nov 10 j 04:33	0°♒43'20	
evening set	-5129 Feb 22 j 03:29	9°♒08'25	
conjunction	-5129 Mar 12 j 02:34	11°♒31'41	-2°21'22
minimum elong	-5129 Mar 12 j 02:33	11°♒31'41	2°21'35
max. Earth dist.	-5129 Mar 12 j 16:53	11°♒36'28	9.83396 AU
morning rise	-5129 Mar 30 j 04:40	13°♒55'52	
	-5129 Apr 07 j 10:49	15°♒	
retrograde	-5129 Jul 15 j 15:50	22°♒36'15	
opposition	-5129 Sep 20 j 09:49	19°♒04'36	-2°59'53
min. Earth dist.	-5129 Sep 19 j 21:55	19°♒07'06	7.83789 AU
direct	-5129 Nov 25 j 04:21	15°♒35'20	
evening set	-5128 Mar 08 j 23:11	24°♒03'28	
conjunction	-5128 Mar 27 j 00:33	26°♒27'03	-2°22'48
minimum elong	-5128 Mar 27 j 00:34	26°♒27'04	2°22'58
max. Earth dist.	-5128 Mar 27 j 17:22	26°♒32'40	9.84690 AU
morning rise	-5128 Apr 14 j 03:41	28°♒51'08	
	-5128 Apr 23 j 01:23	0°♓	
retrograde	-5128 Jul 29 j 17:22	7°♓26'05	
opposition	-5128 Oct 04 j 04:11	3°♓55'12	-2°55'30
min. Earth dist.	-5128 Oct 03 j 14:47	3°♓58'01	7.86989 AU
direct	-5128 Dec 09 j 06:54	0°♓25'22	
evening set	-5127 Mar 24 j 17:49	8°♓53'05	
conjunction	-5127 Apr 11 j 20:47	11°♓16'08	-2°14'47
minimum elong	-5127 Apr 11 j 20:50	11°♓16'09	2°14'53
max. Earth dist.	-5127 Apr 12 j 15:29	11°♓22'20	9.89804 AU
morning rise	-5127 Apr 30 j 00:06	13°♓39'12	
retrograde	-5127 Aug 13 j 10:07	22°♓04'59	
opposition	-5127 Oct 18 j 17:52	18°♓35'18	-2°39'37
min. Earth dist.	-5127 Oct 18 j 03:19	18°♓38'20	7.93872 AU
direct	-5127 Dec 24 j 09:04	15°♓05'14	
evening set	-5126 Apr 09 j 07:37	23°♓29'06	
conjunction	-5126 Apr 27 j 11:13	25°♓50'45	-1°58'13
minimum elong	-5126 Apr 27 j 11:17	25°♓50'47	1°58'15
max. Earth dist.	-5126 Apr 28 j 06:49	25°♓57'10	9.98471 AU
morning rise	-5126 May 15 j 13:40	28°♓11'56	
	-5126 May 29 j 22:53	0°♈	
retrograde	-5126 Aug 27 j 16:09	6°♈25'41	
min. Earth dist.	-5126 Nov 01 j 09:35	3°♈00'37	8.04041 AU
opposition	-5126 Nov 02 j 00:44	2°♈57'29	-2°14'00
	-5126 Dec 14 j 20:20	30°℞♓	
direct	-5125 Jan 08 j 06:38	29°♓27'32	
	-5125 Feb 01 j 15:20	0°♈	
evening set	-5125 Apr 24 j 12:49	7°♈44'35	
conjunction	-5125 May 12 j 15:52	10°♈04'03	-1°34'44
minimum elong	-5125 May 12 j 15:56	10°♈04'04	1°34'41
max. Earth dist.	-5125 May 13 j 11:27	10°♈10'22	10.10141 AU
morning rise	-5125 May 30 j 16:18	12°♈22'37	
retrograde	-5125 Sep 10 j 12:13	20°♈22'39	
opposition	-5125 Nov 15 j 23:35	16°♈56'10	-1°41'04
min. Earth dist.	-5125 Nov 15 j 08:36	16°♈59'14	8.16850 AU
direct	-5124 Jan 22 j 21:36	13°♈26'41	
evening set	-5124 May 08 j 06:37	21°♈34'42	
conjunction	-5124 May 26 j 07:52	23°♈51'21	-1°06'21
minimum elong	-5124 May 26 j 07:55	23°♈51'22	1°06'14
max. Earth dist.	-5124 May 27 j 02:31	23°♈57'17	10.24051 AU
morning rise	-5124 Jun 13 j 05:17	26°♈06'46	
	-5124 Jul 16 j 21:51	0°♉	
retrograde	-5124 Sep 22 j 21:08	3°♉52'38	
opposition	-5124 Nov 28 j 13:28	0°♉27'57	-1°03'33
min. Earth dist.	-5124 Nov 28 j 00:04	0°♉30'39	8.31494 AU
	-5124 Dec 04 j 08:20	30°℞♈	
direct	-5123 Feb 05 j 04:14	26°♈59'13	
	-5123 Apr 07 j 07:37	0°♉	
evening set	-5123 May 22 j 12:00	4°♉56'58	
conjunction	-5123 Jun 09 j 10:12	7°♉10'23	-0°35'11
minimum elong	-5123 Jun 09 j 10:14	7°♉10'23	0°35'02
max. Earth dist.	-5123 Jun 10 j 02:17	7°♉15'24	10.39341 AU
morning rise	-5123 Jun 27 j 03:42	9°♉22'20	
	-5123 Aug 20 j 00:26	15°♉	
retrograde	-5123 Oct 05 j 17:35	16°♉54'27	
	-5123 Nov 22 j 14:14	15°℞♉	
opposition	-5123 Dec 11 j 18:09	13°♉31'39	-0°24'05
min. Earth dist.	-5123 Dec 11 j 07:18	13°♉33'48	8.47116 AU
direct	-5122 Feb 19 j 02:49	10°♉03'52	
	-5122 May 11 j 07:44	15°♉	
evening set	-5122 Jun 05 j 04:19	17°♉50'56	
conjunction	-5122 Jun 22 j 22:21	20°♉00'52	-0°03'15
minimum elong	-5122 Jun 22 j 22:23	20°♉00'53	0°03'03
behind sun begin	-5122 Jun 22 j 15:11	19°♉58'42	
behind sun end	-5122 Jun 23 j 05:34	20°♉03'04	
max. Earth dist.	-5122 Jun 23 j 10:40	20°♉04'38	10.55150 AU
morning rise	-5122 Jul 10 j 11:21	22°♉09'16	
asc. node	-5122 Jul 30 j 23:52	24°♉31'30	
retrograde	-5122 Oct 18 j 03:06	29°♉28'53	
opposition	-5122 Dec 24 j 14:18	26°♉07'51	0°15'06
min. Earth dist.	-5122 Dec 24 j 06:12	26°♉09'26	8.62882 AU
direct	-5121 Mar 04 j 15:51	22°♉41'13	
	-5121 Jun 15 j 19:20	0°♊	
evening set	-5121 Jun 18 j 07:33	0°♊17'45	
conjunction	-5121 Jul 05 j 20:47	2°♊24'13	0°27'59
minimum elong	-5121 Jul 05 j 20:46	2°♊24'13	0°28'14
max. Earth dist.	-5121 Jul 06 j 04:54	2°♊26'40	10.70682 AU
morning rise	-5121 Jul 23 j 04:51	4°♊29'06	
retrograde	-5121 Oct 30 j 04:23	11°♊37'56	
opposition	-5120 Jan 06 j 02:27	8°♊18'28	0°52'11
min. Earth dist.	-5120 Jan 05 j 20:36	8°♊19'36	8.78039 AU
direct	-5120 Mar 16 j 18:27	4°♊53'06	
evening set	-5120 Jun 29 j 22:48	12°♊19'47	
conjunction	-5120 Jul 17 j 06:59	14°♊22'58	0°56'59
minimum elong	-5120 Jul 17 j 06:57	14°♊22'57	0°57'15
max. Earth dist.	-5120 Jul 17 j 11:37	14°♊24'21	10.85240 AU
morning rise	-5120 Aug 03 j 09:55	16°♊24'36	

Attention, astronomical year style is used: The year -5120 in astronomical counting style is the year 5121 BCE in historical counting style.

retrograde	-5120 Nov 09 j 22:00	23°♊24'29	
opposition	-5119 Jan 17 j 07:32	20°♊06'24	1°25'49
min. Earth dist.	-5119 Jan 17 j 04:17	20°♊07'02	8.91929 AU
direct	-5119 Mar 29 j 11:50	16°♊42'20	
evening set	-5119 Jul 12 j 03:19	24°♊00'13	
conjunction	-5119 Jul 29 j 06:24	26°♊00'24	1°22'52
minimum elong	-5119 Jul 29 j 06:21	26°♊00'23	1°23'08
max. Earth dist.	-5119 Jul 29 j 07:58	26°♊00'51	10.98230 AU
morning rise	-5119 Aug 15 j 04:15	27°♊59'07	
	-5119 Sep 02 j 06:32	0°♋	
retrograde	-5119 Nov 21 j 11:48	4°♋52'03	
opposition	-5118 Jan 29 j 07:13	1°♋35'09	1°55'01
min. Earth dist.	-5118 Jan 29 j 07:20	1°♋35'08	9.04016 AU
	-5118 Feb 20 j 08:21	30℞♊	
direct	-5118 Apr 10 j 20:17	28°♊12'22	
	-5118 May 29 j 07:03	0°♋	
evening set	-5118 Jul 23 j 22:31	5°♋22'38	
conjunction	-5118 Aug 09 j 20:34	7°♋20'14	1°44'53
minimum elong	-5118 Aug 09 j 20:31	7°♋20'14	1°45'09
max. Earth dist.	-5118 Aug 09 j 18:18	7°♋19'35	11.09180 AU
morning rise	-5118 Aug 26 j 13:53	9°♋16'31	
retrograde	-5118 Dec 02 j 19:05	16°♋04'29	
opposition	-5117 Feb 10 j 02:38	12°♋48'28	2°19'05
min. Earth dist.	-5117 Feb 10 j 06:26	12°♋47'46	9.13879 AU
direct	-5117 Apr 22 j 21:12	9°♋26'55	
evening set	-5117 Aug 04 j 10:01	16°♋30'56	
conjunction	-5117 Aug 21 j 03:30	18°♋26'24	2°02'30
minimum elong	-5117 Aug 21 j 03:28	18°♋26'24	2°02'47
max. Earth dist.	-5117 Aug 20 j 20:55	18°♋24'30	11.17737 AU
morning rise	-5117 Sep 06 j 17:04	20°♋20'47	
retrograde	-5117 Dec 14 j 00:58	27°♋05'45	
opposition	-5116 Feb 21 j 18:52	23°♋50'18	2°37'35
min. Earth dist.	-5116 Feb 22 j 01:16	23°♋49'08	9.21190 AU
direct	-5116 May 03 j 18:11	20°♋29'51	
evening set	-5116 Aug 14 j 15:20	27°♋29'01	
conjunction	-5116 Aug 31 j 05:09	29°♋22'56	2°15'23
minimum elong	-5116 Aug 31 j 05:07	29°♋22'55	2°15'39
max. Earth dist.	-5116 Aug 30 j 19:52	29°♋20'15	11.23622 AU
	-5116 Sep 05 j 13:43	0°♌	
morning rise	-5116 Sep 16 j 15:39	1°♌15'56	
retrograde	-5116 Dec 24 j 06:50	7°♌59'46	
opposition	-5115 Mar 04 j 09:28	4°♌44'36	2°50'10
min. Earth dist.	-5115 Mar 04 j 17:55	4°♌43'03	9.25697 AU
direct	-5115 May 15 j 09:04	1°♌25'08	
evening set	-5115 Aug 25 j 16:17	8°♌20'48	
conjunction	-5115 Sep 11 j 03:16	10°♌13'43	2°23'16
minimum elong	-5115 Sep 11 j 03:15	10°♌13'43	2°23'30
max. Earth dist.	-5115 Sep 10 j 16:01	10°♌10'29	11.26636 AU
morning rise	-5115 Sep 27 j 11:29	12°♌05'56	
	-5115 Oct 24 j 19:44	15°♌	
retrograde	-5114 Jan 04 j 13:47	18°♌50'29	
opposition	-5114 Mar 15 j 23:53	15°♌35'16	2°56'39
min. Earth dist.	-5114 Mar 16 j 10:49	15°♌33'16	9.27261 AU
	-5114 Mar 24 j 02:51	15℞♌	
direct	-5114 May 26 j 20:56	12°♌16'35	
	-5114 Jul 26 j 08:29	15°♌	
evening set	-5114 Sep 05 j 14:45	19°♌10'13	
conjunction	-5114 Sep 21 j 23:40	21°♌02'42	2°26'01
minimum elong	-5114 Sep 21 j 23:40	21°♌02'42	2°26'12
max. Earth dist.	-5114 Sep 21 j 09:28	20°♌58'37	11.26700 AU
morning rise	-5114 Oct 08 j 06:51	22°♌54'45	

retrograde	-5113 Jan 15 j 22:23	29°♌41'45	
opposition	-5113 Mar 27 j 15:25	26°♌26'09	2°56'52
min. Earth dist.	-5113 Mar 28 j 04:59	26°♌23'41	9.25849 AU
direct	-5113 Jun 07 j 06:35	23°♌08'02	
evening set	-5113 Sep 16 j 12:13	0°♍01'02	
	-5113 Sep 16 j 08:32	0°♍	
conjunction	-5113 Oct 02 j 20:08	1°♍53'42	2°23'31
minimum elong	-5113 Oct 02 j 20:09	1°♍53'42	2°23'39
max. Earth dist.	-5113 Oct 02 j 03:39	1°♍48'55	11.23818 AU
morning rise	-5113 Oct 19 j 03:24	3°♍46'13	
retrograde	-5112 Jan 27 j 10:23	10°♍37'24	
opposition	-5112 Apr 07 j 09:03	7°♍21'04	2°50'46
min. Earth dist.	-5112 Apr 08 j 00:05	7°♍18'20	9.21485 AU
direct	-5112 Jun 17 j 17:27	4°♍03'15	
evening set	-5112 Sep 26 j 10:37	10°♍57'07	
conjunction	-5112 Oct 12 j 18:43	12°♍50'34	2°15'46
minimum elong	-5112 Oct 12 j 18:46	12°♍50'34	2°15'52
max. Earth dist.	-5112 Oct 12 j 01:38	12°♍45'35	11.18047 AU
morning rise	-5112 Oct 29 j 02:54	14°♍44'07	
retrograde	-5111 Feb 07 j 05:33	21°♍41'09	
opposition	-5111 Apr 19 j 06:02	18°♍23'47	2°38'21
min. Earth dist.	-5111 Apr 19 j 21:19	18°♍21'00	9.14276 AU
direct	-5111 Jun 29 j 05:17	15°♍06'03	
evening set	-5111 Oct 07 j 11:50	22°♍02'13	
conjunction	-5111 Oct 23 j 21:04	23°♍57'02	2°02'51
minimum elong	-5111 Oct 23 j 21:07	23°♍57'03	2°02'54
max. Earth dist.	-5111 Oct 23 j 03:25	23°♍51'50	11.09541 AU
morning rise	-5111 Nov 09 j 07:13	25°♍52'14	
	-5111 Dec 18 j 23:30	0°♎	
retrograde	-5110 Feb 19 j 06:34	2°♎56'44	
	-5110 Apr 26 j 08:36	30℞♍	
opposition	-5110 May 01 j 07:56	29°♍38'04	2°19'44
min. Earth dist.	-5110 May 01 j 23:39	29°♍35'10	9.04422 AU
direct	-5110 Jul 10 j 17:54	26°♍20'08	
	-5110 Sep 17 j 21:49	0°♎	
evening set	-5110 Oct 18 j 17:41	3°♎20'09	
max. Earth dist.	-5110 Nov 03 j 10:05	5°♎11'18	10.98528 AU
conjunction	-5110 Nov 04 j 04:52	5°♎16'53	1°44'56
minimum elong	-5110 Nov 04 j 04:55	5°♎16'54	1°44'56
morning rise	-5110 Nov 20 j 18:08	7°♎14'19	
retrograde	-5109 Mar 03 j 15:57	14°♎27'53	
opposition	-5109 May 13 j 15:38	11°♎07'42	1°55'09
min. Earth dist.	-5109 May 14 j 07:55	11°♎04'40	8.92189 AU
direct	-5109 Jul 22 j 12:09	7°♎49'15	
evening set	-5109 Oct 30 j 06:18	14°♎54'47	
conjunction	-5109 Nov 15 j 20:21	16°♎54'00	1°22'22
minimum elong	-5109 Nov 15 j 20:24	16°♎54'01	1°22'18
max. Earth dist.	-5109 Nov 15 j 01:24	16°♎48'17	10.85315 AU
morning rise	-5109 Dec 02 j 13:29	18°♎54'11	
retrograde	-5108 Mar 15 j 09:42	26°♎18'22	
opposition	-5108 May 25 j 06:03	22°♎56'27	1°25'01
min. Earth dist.	-5108 May 25 j 21:57	22°♎53'28	8.77976 AU
direct	-5108 Aug 02 j 11:32	19°♎37'18	
evening set	-5108 Nov 10 j 03:35	26°♎50'00	
conjunction	-5108 Nov 26 j 21:19	28°♎52'09	0°55'38
minimum elong	-5108 Nov 26 j 21:21	28°♎52'10	0°55'31
max. Earth dist.	-5108 Nov 26 j 04:16	28°♎46'56	10.70387 AU
	-5108 Dec 06 j 03:04	0°♏	
morning rise	-5108 Dec 13 j 18:46	0°♏55'33	
retrograde	-5107 Mar 28 j 14:19	8°♏31'41	
opposition	-5107 Jun 07 j 04:31	5°♏07'54	0°50'04

Attention, astronomical year style is used: The year -5107 in astronomical counting style is the year 5108 BCE in historical counting style.

min. Earth dist.	-5107 Jun 07 j 18:10	5°♏05'18	8.62387 AU
direct	-5107 Aug 14 j 18:57	1°♏47'49	
evening set	-5107 Nov 22 j 11:27	9°♏09'08	
conjunction	-5107 Dec 09 j 09:20	11°♏14'36	0°25'35
minimum elong	-5107 Dec 09 j 09:21	11°♏14'37	0°25'24
max. Earth dist.	-5107 Dec 08 j 18:48	11°♏10'05	10.54423 AU
morning rise	-5107 Dec 26 j 11:31	13°♏21'32	
	-5106 Jan 09 j 06:01	15°♏	
retrograde	-5106 Apr 11 j 07:52	21°♏10'32	
opposition	-5106 Jun 20 j 11:32	17°♏44'48	0°11'25
min. Earth dist.	-5106 Jun 20 j 22:13	17°♏42'44	8.46169 AU
	-5106 Jul 31 j 23:09	15°℞♏	
direct	-5106 Aug 27 j 09:30	14°♏23'34	
	-5106 Sep 22 j 09:17	15°♏	
desc. node	-5106 Oct 05 j 19:56	15°♏45'59	
evening set	-5106 Dec 05 j 07:59	21°♏54'49	
conjunction	-5106 Dec 22 j 10:11	24°♏03'47	-0°06'45
minimum elong	-5106 Dec 22 j 10:10	24°♏03'47	0°06'58
behind sun begin	-5106 Dec 22 j 03:33	24°♏01'43	
behind sun end	-5106 Dec 22 j 16:47	24°♏05'51	
max. Earth dist.	-5106 Dec 21 j 22:17	24°♏00'02	10.38201 AU
morning rise	-5105 Jan 08 j 17:21	26°♏14'25	
	-5105 Feb 10 j 05:08	0°♐	
retrograde	-5105 Apr 25 j 11:17	4°♐16'32	
opposition	-5105 Jul 04 j 03:12	0°♐48'57	-0°29'19
min. Earth dist.	-5105 Jul 04 j 10:48	0°♐47'27	8.30140 AU
	-5105 Jul 14 j 13:45	30°℞♏	
direct	-5105 Sep 09 j 08:37	27°♏26'21	
	-5105 Nov 02 j 10:52	0°♐	
evening set	-5105 Dec 18 j 18:13	5°♐08'35	
conjunction	-5104 Jan 05 j 00:46	7°♐21'05	-0°39'39
minimum elong	-5104 Jan 05 j 00:44	7°♐21'04	0°39'54
max. Earth dist.	-5104 Jan 04 j 16:05	7°♐18'17	10.22564 AU
morning rise	-5104 Jan 22 j 12:47	9°♐35'22	
retrograde	-5104 May 09 j 00:06	17°♐50'14	
opposition	-5104 Jul 17 j 03:34	14°♐20'56	-1°10'00
min. Earth dist.	-5104 Jul 17 j 08:03	14°♐20'02	8.15166 AU
direct	-5104 Sep 21 j 19:26	10°♐56'52	
evening set	-5104 Dec 31 j 18:35	18°♐50'32	
conjunction	-5103 Jan 18 j 05:26	21°♐06'24	-1°11'21
minimum elong	-5103 Jan 18 j 05:23	21°♐06'23	1°11'38
max. Earth dist.	-5103 Jan 18 j 01:27	21°♐05'06	10.08388 AU
morning rise	-5103 Feb 04 j 21:50	23°♐24'04	
	-5103 Apr 07 j 11:33	0°♑	
retrograde	-5103 May 23 j 21:26	1°♑50'22	
	-5103 Jul 10 j 01:29	30°℞♐	
opposition	-5103 Jul 31 j 11:47	28°♐19'39	-1°48'00
min. Earth dist.	-5103 Jul 31 j 12:36	28°♐19'29	8.02127 AU
direct	-5103 Oct 05 j 16:59	24°♐54'04	
	-5103 Dec 22 j 06:00	0°♑	
evening set	-5102 Jan 15 j 09:05	2°♑58'55	
conjunction	-5102 Feb 02 j 00:03	5°♑17'49	-1°39'40
minimum elong	-5102 Feb 01 j 24:00	5°♑17'47	1°39'56
max. Earth dist.	-5102 Feb 02 j 01:28	5°♑18'17	9.96544 AU
morning rise	-5102 Feb 19 j 20:12	7°♑38'23	
retrograde	-5102 Jun 08 j 01:30	16°♑13'41	
opposition	-5102 Aug 15 j 02:14	12°♑41'54	-2°20'26
min. Earth dist.	-5102 Aug 14 j 23:00	12°♑42'34	7.91840 AU
direct	-5102 Oct 19 j 23:12	9°♑14'52	
evening set	-5101 Jan 30 j 12:09	17°♑29'46	
conjunction	-5101 Feb 17 j 06:53	19°♑51'05	-2°02'20
minimum elong	-5101 Feb 17 j 06:49	19°♑51'04	2°02'36
max. Earth dist.	-5101 Feb 17 j 13:50	19°♑53'25	9.87811 AU
morning rise	-5101 Mar 07 j 06:00	22°♑13'51	
	-5101 May 22 j 17:13	0°♒	
retrograde	-5101 Jun 23 j 09:53	0°♒54'42	
	-5101 Jul 25 j 06:00	30°℞♑	
opposition	-5101 Aug 29 j 21:09	27°♑22'20	-2°44'29
min. Earth dist.	-5101 Aug 29 j 13:50	27°♑23'52	7.84985 AU
direct	-5101 Nov 03 j 14:04	23°♑54'00	
	-5100 Jan 28 j 03:07	0°♒	
evening set	-5100 Feb 15 j 00:51	2°♒16'48	
conjunction	-5100 Mar 03 j 22:46	4°♒39'47	-2°17'22
minimum elong	-5100 Mar 03 j 22:44	4°♒39'46	2°17'36
max. Earth dist.	-5100 Mar 04 j 11:02	4°♒43'53	9.82799 AU
morning rise	-5100 Mar 22 j 00:04	7°♒03'52	
	-5100 Jun 08 j 22:25	15°♒	
retrograde	-5100 Jul 07 j 18:15	15°♒46'02	
	-5100 Aug 05 j 15:54	15°℞♒	
opposition	-5100 Sep 12 j 17:57	12°♒13'36	-2°57'50
min. Earth dist.	-5100 Sep 12 j 06:55	12°♒15'55	7.82042 AU
direct	-5100 Nov 17 j 11:24	8°♒44'11	
	-5099 Feb 12 j 13:46	15°♒	
evening set	-5099 Mar 01 j 19:26	17°♒11'52	
conjunction	-5099 Mar 19 j 20:02	19°♒35'39	-2°23'22
minimum elong	-5099 Mar 19 j 20:02	19°♒35'39	2°23'33
max. Earth dist.	-5099 Mar 20 j 12:37	19°♒41'12	9.81887 AU
morning rise	-5099 Apr 06 j 22:45	22°♒00'08	
	-5099 Jun 26 j 13:55	0°♓	
retrograde	-5099 Jul 22 j 23:08	0°♓39'02	
	-5099 Aug 18 j 09:00	30°℞♒	
opposition	-5099 Sep 27 j 13:52	27°♒07'03	-2°59'14
min. Earth dist.	-5099 Sep 27 j 00:15	27°♒09'56	7.83227 AU
direct	-5099 Dec 02 j 12:34	23°♒36'52	
	-5098 Mar 01 j 03:07	0°♓	
evening set	-5098 Mar 17 j 15:29	2°♓05'53	
conjunction	-5098 Apr 04 j 18:02	4°♓29'33	-2°19'48
minimum elong	-5098 Apr 04 j 18:04	4°♓29'34	2°19'56
max. Earth dist.	-5098 Apr 05 j 13:29	4°♓36'02	9.85140 AU
morning rise	-5098 Apr 22 j 21:22	6°♓53'27	
retrograde	-5098 Aug 06 j 21:11	15°♓24'49	
opposition	-5098 Oct 12 j 06:22	11°♓53'49	-2°48'41
min. Earth dist.	-5098 Oct 11 j 15:22	11°♓56'59	7.88443 AU
direct	-5098 Dec 17 j 14:40	8°♓23'13	
evening set	-5097 Apr 02 j 08:25	16°♓49'55	
conjunction	-5097 Apr 20 j 11:57	19°♓12'34	-2°07'08
minimum elong	-5097 Apr 20 j 12:00	19°♓12'35	2°07'12
max. Earth dist.	-5097 Apr 21 j 08:46	19°♓19'26	9.92307 AU
morning rise	-5097 May 08 j 14:54	21°♓34'56	
retrograde	-5097 Aug 21 j 09:25	29°♓55'21	
opposition	-5097 Oct 26 j 17:02	26°♓25'48	-2°27'24
min. Earth dist.	-5097 Oct 26 j 01:36	26°♓29'01	7.97316 AU
direct	-5096 Jan 01 j 14:24	22°♓55'13	
	-5096 Apr 06 j 15:07	0°♈	
evening set	-5096 Apr 16 j 18:15	1°♈16'19	
conjunction	-5096 May 04 j 21:43	3°♈37'06	-1°46'41
minimum elong	-5096 May 04 j 21:47	3°♈37'07	1°46'41
max. Earth dist.	-5096 May 05 j 18:27	3°♈43'51	10.02878 AU
morning rise	-5096 May 22 j 23:19	5°♈57'10	
retrograde	-5096 Sep 03 j 10:54	14°♈04'23	
opposition	-5096 Nov 08 j 20:05	10°♈36'36	-1°57'32
min. Earth dist.	-5096 Nov 08 j 05:02	10°♈39'43	8.09244 AU
direct	-5095 Jan 15 j 09:27	7°♈06'26	

Attention, astronomical year style is used: The year -5095 in astronomical counting style is the year 5096 BCE in historical counting style.

evening set	-5095 May 01 j 17:58	15°♈19'25	
conjunction	-5095 May 19 j 20:12	17°♈37'37	-1°20'19
minimum elong	-5095 May 19 j 20:16	17°♈37'39	1°20'15
max. Earth dist.	-5095 May 20 j 15:32	17°♈43'49	10.16131 AU
morning rise	-5095 Jun 06 j 19:26	19°♈54'46	
retrograde	-5095 Sep 17 j 00:27	27°♈47'48	
opposition	-5095 Nov 22 j 14:31	24°♈21'59	-1°21'47
min. Earth dist.	-5095 Nov 22 j 00:08	24°♈24'55	8.23443 AU
direct	-5094 Jan 29 j 21:36	20°♈52'37	
evening set	-5094 May 16 j 05:52	28°♈55'49	
	-5094 May 24 j 20:11	0°♉	
conjunction	-5094 Jun 03 j 05:37	1°♉10'56	-0°50'10
minimum elong	-5094 Jun 03 j 05:40	1°♉10'56	0°50'02
max. Earth dist.	-5094 Jun 03 j 22:54	1°♉16'22	10.31212 AU
morning rise	-5094 Jun 21 j 01:20	3°♉24'42	
retrograde	-5094 Sep 30 j 02:17	11°♉03'40	
opposition	-5094 Dec 05 j 23:53	7°♉39'53	-0°42'50
min. Earth dist.	-5094 Dec 05 j 10:38	7°♉42'33	8.39055 AU
direct	-5093 Feb 13 j 01:04	4°♉11'38	
evening set	-5093 May 30 j 04:50	12°♉04'12	
conjunction	-5093 Jun 17 j 01:04	14°♉15'54	-0°18'18
minimum elong	-5093 Jun 17 j 01:04	14°♉15'55	0°18'06
max. Earth dist.	-5093 Jun 17 j 16:06	14°♉20'33	10.47248 AU
	-5093 Jun 22 j 23:26	15°♉	
morning rise	-5093 Jul 04 j 16:24	16°♉26'05	
retrograde	-5093 Oct 12 j 18:55	23°♉51'54	
opposition	-5093 Dec 19 j 00:31	20°♉30'08	-0°03'10
min. Earth dist.	-5093 Dec 18 j 13:18	20°♉32'20	8.55229 AU
asc. node	-5092 Jan 18 j 11:22	18°♉17'52	
direct	-5092 Feb 26 j 17:35	17°♉03'09	
evening set	-5092 Jun 11 j 14:42	24°♉44'58	
conjunction	-5092 Jun 29 j 06:32	26°♉53'11	0°13'34
minimum elong	-5092 Jun 29 j 06:31	26°♉53'10	0°13'48
behind sun begin	-5092 Jun 29 j 02:48	26°♉52'03	
behind sun end	-5092 Jun 29 j 10:14	26°♉54'18	
max. Earth dist.	-5092 Jun 29 j 18:37	26°♉56'51	10.63390 AU
morning rise	-5092 Jul 16 j 16:56	28°♉59'45	
	-5092 Jul 25 j 05:55	0°♊	
retrograde	-5092 Oct 24 j 01:41	6°♊13'51	
opposition	-5092 Dec 30 j 16:53	2°♊53'57	0°35'10
min. Earth dist.	-5092 Dec 30 j 08:55	2°♊55'30	8.71141 AU
	-5091 Feb 13 j 14:11	30°℞♉	
direct	-5091 Mar 11 j 00:12	29°♉28'21	
	-5091 Apr 05 j 10:29	0°♊	
evening set	-5091 Jun 24 j 12:23	6°♊59'54	
conjunction	-5091 Jul 11 j 23:06	9°♊04'40	0°43'46
minimum elong	-5091 Jul 11 j 23:04	9°♊04'39	0°44'01
max. Earth dist.	-5091 Jul 12 j 07:00	9°♊07'02	10.78852 AU
morning rise	-5091 Jul 29 j 04:23	11°♊07'49	
retrograde	-5091 Nov 04 j 22:37	18°♊11'57	
opposition	-5090 Jan 12 j 01:49	14°♊53'41	1°10'37
min. Earth dist.	-5090 Jan 11 j 21:27	14°♊54'31	8.86048 AU
direct	-5090 Mar 23 j 22:52	11°♊29'27	
evening set	-5090 Jul 06 j 22:37	18°♊51'36	
conjunction	-5090 Jul 24 j 03:58	20°♊53'09	1°11'15
minimum elong	-5090 Jul 24 j 03:56	20°♊53'09	1°11'30
max. Earth dist.	-5090 Jul 24 j 06:52	20°♊54'01	10.92945 AU
morning rise	-5090 Aug 10 j 04:16	22°♊53'13	
retrograde	-5090 Nov 16 j 14:12	29°♊49'21	
opposition	-5089 Jan 24 j 04:31	26°♊32'25	1°42'00
min. Earth dist.	-5089 Jan 24 j 03:10	26°♊32'40	8.99286 AU
direct	-5089 Apr 05 j 12:54	23°♊09'31	
	-5089 Jul 15 j 12:25	0°♋	
evening set	-5089 Jul 18 j 22:26	0°♋23'22	
conjunction	-5089 Aug 04 j 22:44	2°♋22'07	1°35'09
minimum elong	-5089 Aug 04 j 22:41	2°♋22'06	1°35'25
max. Earth dist.	-5089 Aug 04 j 21:38	2°♋21'48	11.05060 AU
morning rise	-5089 Aug 21 j 18:15	4°♋19'29	
retrograde	-5089 Nov 28 j 00:22	11°♋09'43	
opposition	-5088 Feb 05 j 02:05	7°♋53'46	2°08'32
min. Earth dist.	-5088 Feb 05 j 03:38	7°♋53'29	9.10285 AU
direct	-5088 Apr 16 j 18:17	4°♋32'08	
evening set	-5088 Jul 29 j 13:50	11°♋39'05	
conjunction	-5088 Aug 15 j 09:31	13°♋35'30	1°54'52
minimum elong	-5088 Aug 15 j 09:29	13°♋35'29	1°55'09
max. Earth dist.	-5088 Aug 15 j 05:10	13°♋34'14	11.14712 AU
morning rise	-5088 Sep 01 j 00:42	15°♋30'41	
retrograde	-5088 Dec 08 j 08:56	22°♋17'01	
opposition	-5087 Feb 15 j 19:56	19°♋01'47	2°29'40
min. Earth dist.	-5087 Feb 16 j 01:08	19°♋00'50	9.18653 AU
direct	-5087 Apr 28 j 17:10	15°♋41'15	
evening set	-5087 Aug 09 j 22:29	22°♋42'46	
conjunction	-5087 Aug 26 j 13:59	24°♋37'22	2°09'59
minimum elong	-5087 Aug 26 j 13:57	24°♋37'21	2°10'16
max. Earth dist.	-5087 Aug 26 j 05:40	24°♋34'57	11.21621 AU
morning rise	-5087 Sep 12 j 01:42	26°♋30'57	
	-5087 Oct 15 j 11:25	0°♌	
retrograde	-5087 Dec 19 j 14:09	3°♌15'19	
opposition	-5086 Feb 27 j 11:47	0°♌00'25	2°45'02
	-5086 Feb 27 j 14:02	30°℞♋	
min. Earth dist.	-5086 Feb 27 j 20:39	29°♋58'48	9.24189 AU
direct	-5086 May 10 j 09:27	26°♋40'48	
	-5086 Jul 16 j 22:26	0°♌	
evening set	-5086 Aug 21 j 01:47	3°♌38'13	
conjunction	-5086 Sep 06 j 13:52	5°♌31'34	2°20'13
minimum elong	-5086 Sep 06 j 13:50	5°♌31'33	2°20'27
max. Earth dist.	-5086 Sep 06 j 01:43	5°♌28'04	11.25649 AU
morning rise	-5086 Sep 22 j 23:07	7°♌24'08	
retrograde	-5086 Dec 30 j 19:41	14°♌08'25	
opposition	-5085 Mar 11 j 02:35	10°♌53'26	2°54'22
min. Earth dist.	-5085 Mar 11 j 14:01	10°♌51'21	9.26774 AU
direct	-5085 May 22 j 01:03	7°♌34'30	
evening set	-5085 Sep 01 j 01:30	14°♌29'15	
	-5085 Sep 05 j 14:04	15°♌	
conjunction	-5085 Sep 17 j 11:16	16°♌21'55	2°25'20
minimum elong	-5085 Sep 17 j 11:15	16°♌21'55	2°25'33
max. Earth dist.	-5085 Sep 16 j 21:00	16°♌17'48	11.26713 AU
morning rise	-5085 Oct 03 j 18:55	18°♌14'02	
retrograde	-5084 Jan 11 j 04:02	24°♌59'58	
opposition	-5084 Mar 21 j 17:25	21°♌44'33	2°57'30
min. Earth dist.	-5084 Mar 22 j 06:17	21°♌42'13	9.26349 AU
direct	-5084 Jun 01 j 12:44	18°♌26'06	
evening set	-5084 Sep 10 j 23:22	25°♌19'33	
conjunction	-5084 Sep 27 j 07:51	27°♌12'09	2°25'16
minimum elong	-5084 Sep 27 j 07:51	27°♌12'09	2°25'26
max. Earth dist.	-5084 Sep 26 j 16:07	27°♌07'36	11.24789 AU
morning rise	-5084 Oct 13 j 14:52	29°♌04'28	
	-5084 Oct 21 j 21:53	0°♍	
retrograde	-5083 Jan 21 j 14:45	5°♍53'45	
opposition	-5083 Apr 02 j 10:01	2°♍37'35	2°54'20
min. Earth dist.	-5083 Apr 03 j 00:40	2°♍34'55	9.22938 AU
	-5083 May 14 j 04:58	30°℞♌	

Attention, astronomical year style is used: The year -5083 in astronomical counting style is the year 5084 BCE in historical counting style.

direct	-5083 Jun	12 j 22:06	29°♌19'22	
	-5083 Jul	12 j 04:05	0°♍	
evening set	-5083 Sep	21 j 21:11	6°♍12'59	
max. Earth dist.	-5083 Oct	07 j 11:19	8°♍00'55	11.19953 AU
conjunction	-5083 Oct	08 j 05:08	8°♍06'05	2°19'57
minimum elong	-5083 Oct	08 j 05:10	8°♍06'06	2°20'04
morning rise	-5083 Oct	24 j 12:46	9°♍59'11	
retrograde	-5082 Feb	02 j 05:57	16°♍53'34	
opposition	-5082 Apr	14 j 05:32	13°♍36'21	2°44'51
min. Earth dist.	-5082 Apr	14 j 21:56	13°♍33'22	9.16665 AU
direct	-5082 Jun	24 j 08:59	10°♍18'08	
evening set	-5082 Oct	02 j 20:50	17°♍13'24	
max. Earth dist.	-5082 Oct	18 j 10:12	19°♍02'00	11.12371 AU
conjunction	-5082 Oct	19 j 05:22	19°♍07'37	2°09'24
minimum elong	-5082 Oct	19 j 05:25	19°♍07'38	2°09'29
morning rise	-5082 Nov	04 j 14:42	21°♍02'07	
retrograde	-5081 Feb	14 j 02:03	28°♍03'16	
opposition	-5081 Apr	26 j 04:58	24°♍44'43	2°29'05
min. Earth dist.	-5081 Apr	26 j 21:57	24°♍41'36	9.07738 AU
direct	-5081 Jul	05 j 21:40	21°♍26'18	
evening set	-5081 Oct	14 j 00:06	28°♍24'46	
	-5081 Oct	27 j 12:34	0°♎	
conjunction	-5081 Oct	30 j 10:24	0°♎20'41	1°53'46
minimum elong	-5081 Oct	30 j 10:27	0°♎20'42	1°53'48
max. Earth dist.	-5081 Oct	29 j 15:46	0°♎15'10	11.02272 AU
morning rise	-5081 Nov	15 j 22:14	2°♎17'09	
retrograde	-5080 Feb	26 j 08:22	9°♎26'42	
opposition	-5080 May	07 j 09:37	6°♎06'38	2°07'12
min. Earth dist.	-5080 May	08 j 01:46	6°♎03'38	8.96427 AU
direct	-5080 Jul	16 j 14:46	2°♎47'50	
evening set	-5080 Oct	24 j 09:10	9°♎51'02	
conjunction	-5080 Nov	09 j 22:00	11°♎49'12	1°33'17
minimum elong	-5080 Nov	09 j 22:03	11°♎49'13	1°33'15
max. Earth dist.	-5080 Nov	09 j 04:04	11°♎43'49	10.89974 AU
morning rise	-5080 Nov	26 j 13:09	13°♎48'11	
retrograde	-5079 Mar	09 j 22:34	21°♎07'38	
opposition	-5079 May	19 j 20:46	17°♎45'55	1°39'33
min. Earth dist.	-5079 May	20 j 11:44	17°♎43'06	8.83121 AU
direct	-5079 Jul	28 j 09:57	14°♎26'32	
evening set	-5079 Nov	05 j 02:07	21°♎36'04	
conjunction	-5079 Nov	21 j 18:06	23°♎36'56	1°08'24
minimum elong	-5079 Nov	21 j 18:09	23°♎36'56	1°08'18
max. Earth dist.	-5079 Nov	21 j 00:31	23°♎31'35	10.75922 AU
morning rise	-5079 Dec	08 j 13:29	25°♎38'55	
	-5078 Jan	17 j 21:33	0°♏	
retrograde	-5078 Mar	22 j 22:11	3°♏09'40	
	-5078 May	29 j 14:44	30°℞♎	
opposition	-5078 Jun	01 j 15:30	29°♎46'10	1°06'41
min. Earth dist.	-5078 Jun	02 j 05:23	29°♎43'32	8.68329 AU
direct	-5078 Aug	09 j 12:51	26°♎26'00	
	-5078 Oct	14 j 20:24	0°♏	
evening set	-5078 Nov	17 j 04:46	3°♏43'25	
max. Earth dist.	-5078 Dec	03 j 08:38	5°♏42'28	10.60663 AU
conjunction	-5078 Dec	04 j 00:35	5°♏47'24	0°39'45
minimum elong	-5078 Dec	04 j 00:37	5°♏47'25	0°39'36
morning rise	-5078 Dec	21 j 00:44	7°♏52'46	
	-5077 Mar	09 j 12:30	15°♏	
retrograde	-5077 Apr	05 j 09:04	15°♏35'54	
	-5077 May	02 j 11:27	15°℞♏	
opposition	-5077 Jun	14 j 18:27	12°♏10'36	0°29'34
min. Earth dist.	-5077 Jun	15 j 06:33	12°♏08'16	8.52660 AU
direct	-5077 Aug	21 j 23:57	8°♏49'28	
	-5077 Nov	19 j 06:55	15°♏	
evening set	-5077 Nov	29 j 19:09	16°♏16'11	
conjunction	-5077 Dec	16 j 19:16	18°♏23'34	0°08'23
minimum elong	-5077 Dec	16 j 19:17	18°♏23'35	0°08'10
behind sun begin	-5077 Dec	16 j 12:58	18°♏21'37	
behind sun end	-5077 Dec	17 j 01:35	18°♏25'32	
max. Earth dist.	-5077 Dec	16 j 06:32	18°♏19'35	10.44838 AU
morning rise	-5076 Jan	03 j 00:13	20°♏32'33	
desc. node	-5076 Mar	22 j 11:57	27°♏52'24	
retrograde	-5076 Apr	18 j 06:37	28°♏28'42	
opposition	-5076 Jun	27 j 06:00	25°♏01'39	-0°10'27
min. Earth dist.	-5076 Jun	27 j 15:03	24°♏59'53	8.36831 AU
direct	-5076 Sep	02 j 19:44	21°♏39'26	
evening set	-5076 Dec	11 j 22:45	29°♏16'38	
	-5076 Dec	17 j 16:36	0°♐	
conjunction	-5076 Dec	29 j 03:21	1°♐27'33	-0°24'32
minimum elong	-5076 Dec	29 j 03:20	1°♐27'32	0°24'46
max. Earth dist.	-5076 Dec	28 j 18:54	1°♐24'51	10.29218 AU
morning rise	-5075 Jan	15 j 13:03	3°♐40'10	
retrograde	-5075 May	02 j 15:21	11°♐49'22	
opposition	-5075 Jul	11 j 02:30	8°♐20'42	-0°51'27
min. Earth dist.	-5075 Jul	11 j 07:29	8°♐19'42	8.21664 AU
direct	-5075 Sep	16 j 01:37	4°♐57'17	
evening set	-5075 Dec	25 j 16:35	12°♐45'42	
conjunction	-5074 Jan	12 j 01:35	15°♐00'04	-0°57'03
minimum elong	-5074 Jan	12 j 01:32	15°♐00'04	0°57'19
max. Earth dist.	-5074 Jan	11 j 21:33	14°♐58'46	10.14656 AU
morning rise	-5074 Jan	29 j 15:50	17°♐16'13	
retrograde	-5074 May	17 j 10:27	25°♐37'34	
opposition	-5074 Jul	25 j 07:21	22°♐07'31	-1°31'02
min. Earth dist.	-5074 Jul	25 j 08:10	22°♐07'21	8.08022 AU
direct	-5074 Sep	29 j 16:54	18°♐42'50	
evening set	-5073 Jan	09 j 01:04	26°♐42'37	
conjunction	-5073 Jan	26 j 14:09	29°♐00'09	-1°27'12
minimum elong	-5073 Jan	26 j 14:06	29°♐00'07	1°27'28
max. Earth dist.	-5073 Jan	26 j 14:35	29°♐00'17	10.02026 AU
	-5073 Feb	03 j 04:22	0°♑	
morning rise	-5073 Feb	13 j 08:28	1°♑19'25	
retrograde	-5073 Jun	01 j 13:30	9°♑50'56	
opposition	-5073 Aug	08 j 19:18	6°♑19'52	-2°06'22
min. Earth dist.	-5073 Aug	08 j 16:23	6°♑20'28	7.96758 AU
direct	-5073 Oct	13 j 17:49	2°♑53'53	
evening set	-5072 Jan	23 j 22:55	11°♑04'18	
conjunction	-5072 Feb	10 j 15:46	13°♑24'29	-1°52'43
minimum elong	-5072 Feb	10 j 15:42	13°♑24'28	1°52'59
max. Earth dist.	-5072 Feb	10 j 20:58	13°♑26'13	9.92159 AU
morning rise	-5072 Feb	28 j 13:29	15°♑46'15	
retrograde	-5072 Jun	15 j 21:32	24°♑24'55	
opposition	-5072 Aug	22 j 12:49	20°♑53'13	-2°34'32
min. Earth dist.	-5072 Aug	22 j 06:24	20°♑54'33	7.88629 AU
direct	-5072 Oct	27 j 05:31	17°♑25'59	
evening set	-5071 Feb	07 j 07:42	25°♑45'16	
conjunction	-5071 Feb	25 j 03:57	28°♑07'25	-2°11'26
minimum elong	-5071 Feb	25 j 03:54	28°♑07'24	2°11'41
max. Earth dist.	-5071 Feb	25 j 13:54	28°♑10'45	9.85743 AU
	-5071 Mar	11 j 06:20	0°♒	
morning rise	-5071 Mar	15 j 04:21	0°♒30'54	
retrograde	-5071 Jul	01 j 06:06	9°♒12'43	
opposition	-5071 Sep	06 j 09:21	5°♒40'50	-2°52'57
min. Earth dist.	-5071 Sep	05 j 23:57	5°♒42'48	7.84178 AU

Attention, astronomical year style is used: The year -5071 in astronomical counting style is the year 5072 BCE in historical counting style.

direct	-5071 Nov 11 j 01:24	2°♒12'28	
evening set	-5070 Feb 23 j 00:17	10°♒37'55	
conjunction	-5070 Mar 12 j 23:29	13°♒01'15	-2°21'40
minimum elong	-5070 Mar 12 j 23:28	13°♒01'15	2°21'52
max. Earth dist.	-5070 Mar 13 j 13:26	13°♒05'55	9.83196 AU
	-5070 Mar 27 j 20:07	15°♒	
morning rise	-5070 Mar 31 j 01:43	15°♒25'30	
retrograde	-5070 Jul 16 j 11:52	24°♒05'59	
opposition	-5070 Sep 21 j 05:58	20°♒34'22	-2°59'52
min. Earth dist.	-5070 Sep 20 j 18:14	20°♒36'50	7.83637 AU
direct	-5070 Nov 26 j 01:57	17°♒05'05	
evening set	-5069 Mar 10 j 20:12	25°♒33'27	
conjunction	-5069 Mar 28 j 21:45	27°♒57'06	-2°22'27
minimum elong	-5069 Mar 28 j 21:46	27°♒57'06	2°22'36
max. Earth dist.	-5069 Mar 29 j 14:42	28°♒02'45	9.84591 AU
	-5069 Apr 13 j 08:12	0°♓	
morning rise	-5069 Apr 16 j 00:57	0°♓21'12	
retrograde	-5069 Jul 31 j 12:33	8°♓56'05	
min. Earth dist.	-5069 Oct 05 j 10:43	5°♓28'06	7.86926 AU
opposition	-5069 Oct 06 j 00:22	5°♓25'14	-2°54'40
direct	-5069 Dec 11 j 04:06	1°♓55'23	
evening set	-5068 Mar 25 j 14:51	10°♓23'14	
conjunction	-5068 Apr 12 j 18:00	12°♓46'20	-2°13'49
minimum elong	-5068 Apr 12 j 18:03	12°♓46'21	2°13'54
max. Earth dist.	-5068 Apr 13 j 13:06	12°♓52'39	9.89762 AU
morning rise	-5068 Apr 30 j 21:17	15°♓09'23	
retrograde	-5068 Aug 14 j 05:35	23°♓35'07	
opposition	-5068 Oct 19 j 14:03	20°♓05'27	-2°38'04
min. Earth dist.	-5068 Oct 18 j 23:06	20°♓08'34	7.93828 AU
direct	-5068 Dec 25 j 04:37	16°♓35'24	
evening set	-5067 Apr 10 j 04:37	24°♓59'23	
conjunction	-5067 Apr 28 j 08:23	27°♓21'05	-1°56'41
minimum elong	-5067 Apr 28 j 08:27	27°♓21'07	1°56'43
max. Earth dist.	-5067 Apr 29 j 04:31	27°♓27'41	9.98423 AU
morning rise	-5067 May 16 j 10:45	29°♓42'17	
	-5067 May 18 j 18:16	0°♈	
retrograde	-5067 Aug 28 j 13:48	7°♈56'00	
opposition	-5067 Nov 02 j 21:00	4°♈27'51	-2°11'48
min. Earth dist.	-5067 Nov 02 j 05:45	4°♈31'00	8.03971 AU
direct	-5066 Jan 09 j 01:48	0°♈57'54	
evening set	-5066 Apr 25 j 09:57	9°♈15'08	
conjunction	-5066 May 13 j 13:05	11°♈34'40	-1°32'44
minimum elong	-5066 May 13 j 13:09	11°♈34'41	1°32'42
max. Earth dist.	-5066 May 14 j 08:58	11°♈41'05	10.10055 AU
morning rise	-5066 May 31 j 13:27	13°♈53'15	
retrograde	-5066 Sep 11 j 10:10	21°♈53'17	
opposition	-5066 Nov 16 j 20:04	18°♈26'52	-1°38'22
min. Earth dist.	-5066 Nov 16 j 05:38	18°♈29'49	8.16739 AU
direct	-5065 Jan 23 j 17:43	14°♈57'24	
evening set	-5065 May 10 j 04:01	23°♈05'39	
conjunction	-5065 May 28 j 05:11	25°♈22'20	-1°04'01
minimum elong	-5065 May 28 j 05:14	25°♈22'21	1°03'54
max. Earth dist.	-5065 May 28 j 23:30	25°♈28'10	10.23922 AU
morning rise	-5065 Jun 15 j 02:31	27°♈37'47	
	-5065 Jul 04 j 20:52	0°♉	
retrograde	-5065 Sep 24 j 17:45	5°♉23'41	
opposition	-5065 Nov 30 j 10:15	1°♉59'07	-1°00'31
min. Earth dist.	-5065 Nov 29 j 21:39	2°♉01'39	8.31350 AU
	-5065 Dec 26 j 16:12	30°℞♈	
direct	-5064 Feb 07 j 01:49	28°♈30'23	
	-5064 Mar 20 j 05:00	0°♉	
evening set	-5064 May 23 j 09:31	6°♉28'24	
conjunction	-5064 Jun 10 j 07:31	8°♉41'49	-0°32'39
minimum elong	-5064 Jun 10 j 07:33	8°♉41'49	0°32'29
max. Earth dist.	-5064 Jun 10 j 22:42	8°♉46'33	10.39185 AU
morning rise	-5064 Jun 28 j 01:00	10°♉53'48	
	-5064 Aug 03 j 14:46	15°♉	
retrograde	-5064 Oct 06 j 14:05	18°♉26'02	
opposition	-5064 Dec 12 j 15:13	15°♉03'18	-0°20'52
min. Earth dist.	-5064 Dec 12 j 04:39	15°♉05'23	8.46957 AU
	-5064 Dec 13 j 07:46	15°℞♉	
direct	-5063 Feb 20 j 00:24	11°♉35'32	
	-5063 Apr 27 j 02:20	15°♉	
evening set	-5063 Jun 06 j 01:54	19°♉22'50	
conjunction	-5063 Jun 23 j 19:47	21°♉32'47	-0°00'35
minimum elong	-5063 Jun 23 j 19:47	21°♉32'47	0°00'22
behind sun begin	-5063 Jun 23 j 12:36	21°♉30'36	
behind sun end	-5063 Jun 24 j 02:59	21°♉34'58	
max. Earth dist.	-5063 Jun 24 j 07:21	21°♉36'19	10.54987 AU
asc. node	-5063 Jun 30 j 14:08	22°♉22'37	
morning rise	-5063 Jul 11 j 08:44	23°♉41'11	
	-5063 Sep 15 j 02:39	0°♊	
retrograde	-5063 Oct 19 j 00:22	1°♊00'57	
	-5063 Nov 22 j 10:54	30°℞♉	
opposition	-5063 Dec 25 j 11:33	27°♉39'57	0°18'20
min. Earth dist.	-5063 Dec 25 j 02:59	27°♉41'37	8.62718 AU
direct	-5062 Mar 05 j 13:10	24°♉13'21	
	-5062 Jun 03 j 06:55	0°♊	
evening set	-5062 Jun 19 j 05:19	1°♊50'05	
conjunction	-5062 Jul 06 j 18:27	3°♊56'34	0°30'33
minimum elong	-5062 Jul 06 j 18:26	3°♊56'34	0°30'48
max. Earth dist.	-5062 Jul 07 j 02:47	3°♊59'05	10.70518 AU
morning rise	-5062 Jul 24 j 02:18	6°♊01'27	
retrograde	-5062 Oct 31 j 01:36	13°♊10'26	
opposition	-5061 Jan 06 j 23:59	9°♊51'00	0°55'16
min. Earth dist.	-5061 Jan 06 j 17:38	9°♊52'13	8.77873 AU
direct	-5061 Mar 18 j 16:39	6°♊25'40	
evening set	-5061 Jul 01 j 20:41	13°♊52'30	
conjunction	-5061 Jul 19 j 04:44	15°♊55'39	0°59'24
minimum elong	-5061 Jul 19 j 04:41	15°♊55'39	0°59'40
max. Earth dist.	-5061 Jul 19 j 10:14	15°♊57'18	10.85081 AU
morning rise	-5061 Aug 05 j 07:19	17°♊57'15	
retrograde	-5061 Nov 11 j 21:03	24°♊57'19	
opposition	-5060 Jan 19 j 05:31	21°♊39'15	1°28'38
min. Earth dist.	-5060 Jan 19 j 02:28	21°♊39'50	8.91781 AU
direct	-5060 Mar 30 j 09:24	18°♊15'12	
evening set	-5060 Jul 13 j 01:12	25°♊33'09	
conjunction	-5060 Jul 30 j 04:01	27°♊33'19	1°25'01
minimum elong	-5060 Jul 30 j 03:58	27°♊33'18	1°25'17
max. Earth dist.	-5060 Jul 30 j 05:37	27°♊33'47	10.98089 AU
morning rise	-5060 Aug 16 j 01:40	29°♊32'01	
	-5060 Aug 20 j 03:24	0°♋	
retrograde	-5060 Nov 22 j 08:38	6°♋25'05	
opposition	-5059 Jan 30 j 05:25	3°♋08'10	1°57'26
min. Earth dist.	-5059 Jan 30 j 05:57	3°♋08'04	9.03896 AU
	-5059 Mar 25 j 05:05	30°℞♊	
direct	-5059 Apr 11 j 17:31	29°♊45'22	
	-5059 Apr 29 j 06:41	0°♋	
evening set	-5059 Jul 24 j 20:28	6°♋55'42	
conjunction	-5059 Aug 10 j 18:10	8°♋53'15	1°46'40
minimum elong	-5059 Aug 10 j 18:08	8°♋53'14	1°46'57
max. Earth dist.	-5059 Aug 10 j 15:21	8°♋52'25	11.09068 AU

Attention, astronomical year style is used: The year -5059 in astronomical counting style is the year 5060 BCE in historical counting style.

morning rise	-5059 Aug 27 j 11:23	10°♋49'30	
retrograde	-5059 Dec 03 j 16:35	17°♋37'36	
opposition	-5058 Feb 11 j 00:50	14°♋21'32	2°21'03
min. Earth dist.	-5058 Feb 11 j 04:16	14°♋20'54	9.13787 AU
direct	-5058 Apr 23 j 20:50	10°♋59'58	
evening set	-5058 Aug 05 j 07:51	18°♋03'59	
conjunction	-5058 Aug 22 j 01:08	19°♋59'25	2°03'53
minimum elong	-5058 Aug 22 j 01:06	19°♋59'24	2°04'09
max. Earth dist.	-5058 Aug 21 j 19:02	19°♋57'38	11.17656 AU
morning rise	-5058 Sep 07 j 14:31	21°♋53'44	
retrograde	-5058 Dec 14 j 23:14	28°♋38'49	
opposition	-5057 Feb 22 j 17:14	25°♋23'18	2°39'00
min. Earth dist.	-5057 Feb 22 j 22:43	25°♋22'18	9.21124 AU
direct	-5057 May 05 j 16:32	22°♋02'52	
evening set	-5057 Aug 16 j 12:56	29°♋01'55	
	-5057 Aug 25 j 00:56	0°♌	
conjunction	-5057 Sep 02 j 02:39	0°♌55'47	2°16'18
minimum elong	-5057 Sep 02 j 02:37	0°♌55'47	2°16'33
max. Earth dist.	-5057 Sep 01 j 18:25	0°♌53'25	11.23572 AU
morning rise	-5057 Sep 18 j 12:54	2°♌48'45	
retrograde	-5057 Dec 26 j 05:28	9°♌32'42	
opposition	-5056 Mar 05 j 07:57	6°♌17'27	2°51'00
min. Earth dist.	-5056 Mar 05 j 16:09	6°♌15'57	9.25667 AU
direct	-5056 May 16 j 07:20	2°♌57'59	
evening set	-5056 Aug 26 j 13:52	9°♌53'32	
conjunction	-5056 Sep 12 j 00:40	11°♌46'24	2°23'42
minimum elong	-5056 Sep 12 j 00:39	11°♌46'24	2°23'55
max. Earth dist.	-5056 Sep 11 j 13:21	11°♌43'09	11.26626 AU
morning rise	-5056 Sep 28 j 08:50	13°♌38'36	
	-5056 Oct 10 j 15:57	15°♌	
retrograde	-5055 Jan 05 j 11:15	20°♌23'11	
opposition	-5055 Mar 16 j 22:16	17°♌07'54	2°56'51
min. Earth dist.	-5055 Mar 17 j 09:35	17°♌05'51	9.27277 AU
	-5055 Apr 17 j 19:37	15°℞♌	
direct	-5055 May 27 j 18:24	13°♌49'13	
	-5055 Jul 05 j 20:48	15°♌	
evening set	-5055 Sep 06 j 12:09	20°♌42'42	
conjunction	-5055 Sep 22 j 20:55	22°♌35'09	2°25'56
minimum elong	-5055 Sep 22 j 20:55	22°♌35'09	2°26'06
max. Earth dist.	-5055 Sep 22 j 06:32	22°♌31'00	11.26739 AU
morning rise	-5055 Oct 09 j 04:10	24°♌27'12	
	-5055 Dec 08 j 07:35	0°♍	
retrograde	-5054 Jan 16 j 19:08	1°♍14'14	
	-5054 Feb 26 j 11:12	30°℞♌	
opposition	-5054 Mar 28 j 13:40	27°♌58'34	2°56'28
min. Earth dist.	-5054 Mar 29 j 02:51	27°♌56'10	9.25907 AU
direct	-5054 Jun 08 j 05:12	24°♌40'26	
	-5054 Sep 03 j 07:13	0°♍	
evening set	-5054 Sep 17 j 09:20	1°♍33'17	
conjunction	-5054 Oct 03 j 17:19	3°♍25'55	2°22'56
minimum elong	-5054 Oct 03 j 17:21	3°♍25'56	2°23'04
max. Earth dist.	-5054 Oct 03 j 01:49	3°♍21'26	11.23899 AU
morning rise	-5054 Oct 20 j 00:33	5°♍18'25	
retrograde	-5053 Jan 28 j 09:10	12°♍09'38	
opposition	-5053 Apr 09 j 07:12	8°♍53'15	2°49'46
min. Earth dist.	-5053 Apr 09 j 21:12	8°♍50'42	9.21585 AU
direct	-5053 Jun 19 j 15:59	5°♍35'28	
evening set	-5053 Sep 28 j 07:35	12°♍29'05	
conjunction	-5053 Oct 14 j 15:48	14°♍22'32	2°14'43
minimum elong	-5053 Oct 14 j 15:50	14°♍22'33	2°14'48
max. Earth dist.	-5053 Oct 13 j 23:31	14°♍17'47	11.18175 AU

morning rise	-5053 Oct 31 j 00:01	16°♍16'06	
retrograde	-5052 Feb 09 j 03:02	23°♍13'06	
opposition	-5052 Apr 20 j 04:02	19°♍55'43	2°36'47
min. Earth dist.	-5052 Apr 20 j 18:52	19°♍53'00	9.14428 AU
direct	-5052 Jun 30 j 01:56	16°♍38'01	
evening set	-5052 Oct 08 j 08:43	23°♍33'59	
conjunction	-5052 Oct 24 j 17:58	25°♍28'47	2°01'21
minimum elong	-5052 Oct 24 j 18:01	25°♍28'47	2°01'24
max. Earth dist.	-5052 Oct 24 j 00:01	25°♍23'30	11.09731 AU
morning rise	-5052 Nov 10 j 04:21	27°♍23'59	
	-5052 Dec 03 j 21:19	0°♎	
retrograde	-5051 Feb 20 j 04:27	4°♎28'25	
opposition	-5051 May 02 j 05:45	1°♎09'46	2°17'39
min. Earth dist.	-5051 May 02 j 21:46	1°♎06'49	9.04646 AU
	-5051 May 18 j 09:06	30°℞♍	
direct	-5051 Jul 11 j 15:46	27°♍51'52	
	-5051 Sep 01 j 11:08	0°♎	
evening set	-5051 Oct 19 j 14:22	4°♎51'38	
max. Earth dist.	-5051 Nov 04 j 07:03	6°♎42'50	10.98806 AU
conjunction	-5051 Nov 05 j 01:38	6°♎48'22	1°43'03
minimum elong	-5051 Nov 05 j 01:41	6°♎48'23	1°43'03
morning rise	-5051 Nov 21 j 15:07	8°♎45'48	
retrograde	-5050 Mar 04 j 12:00	15°♎59'16	
opposition	-5050 May 14 j 13:14	12°♎39'04	1°52'37
min. Earth dist.	-5050 May 15 j 05:22	12°♎36'04	8.92515 AU
direct	-5050 Jul 23 j 09:05	9°♎20'42	
evening set	-5050 Oct 31 j 02:45	16°♎25'55	
conjunction	-5050 Nov 16 j 17:02	18°♎25'06	1°20'10
minimum elong	-5050 Nov 16 j 17:04	18°♎25'07	1°20'06
max. Earth dist.	-5050 Nov 15 j 23:20	18°♎19'46	10.85696 AU
morning rise	-5050 Dec 03 j 10:15	20°♎25'16	
retrograde	-5049 Mar 17 j 06:29	27°♎49'17	
opposition	-5049 May 27 j 03:20	24°♎27'21	1°22'10
min. Earth dist.	-5049 May 27 j 18:21	24°♎24'31	8.78400 AU
direct	-5049 Aug 04 j 09:46	21°♎08'16	
evening set	-5049 Nov 11 j 23:53	28°♎20'35	
	-5049 Nov 25 j 15:38	0°♏	
conjunction	-5049 Nov 28 j 17:50	0°♏22'43	0°53'14
minimum elong	-5049 Nov 28 j 17:52	0°♏22'44	0°53'06
max. Earth dist.	-5049 Nov 28 j 01:25	0°♏17'42	10.70837 AU
morning rise	-5049 Dec 15 j 15:22	2°♏26'05	
retrograde	-5048 Mar 29 j 12:40	10°♏01'59	
opposition	-5048 Jun 08 j 01:24	6°♏38'13	0°47'00
min. Earth dist.	-5048 Jun 08 j 14:22	6°♏35'44	8.62851 AU
direct	-5048 Aug 15 j 15:16	3°♏18'13	
evening set	-5048 Nov 23 j 07:44	10°♏39'11	
conjunction	-5048 Dec 10 j 05:38	12°♏44'36	0°23'04
minimum elong	-5048 Dec 10 j 05:39	12°♏44'36	0°22'54
max. Earth dist.	-5048 Dec 09 j 14:37	12°♏39'56	10.54887 AU
morning rise	-5048 Dec 27 j 07:59	14°♏51'30	
	-5048 Dec 28 j 11:56	15°♏	
retrograde	-5047 Apr 12 j 04:52	22°♏40'13	
opposition	-5047 Jun 21 j 08:08	19°♏14'34	0°08'17
min. Earth dist.	-5047 Jun 21 j 18:58	19°♏12'28	8.46623 AU
direct	-5047 Aug 28 j 04:34	15°♏53'23	
desc. node	-5047 Sep 07 j 10:04	15°♏59'01	
evening set	-5047 Dec 06 j 04:08	23°♏24'23	
conjunction	-5047 Dec 23 j 06:19	25°♏33'17	-0°09'15
minimum elong	-5047 Dec 23 j 06:18	25°♏33'17	0°09'28
behind sun begin	-5047 Dec 23 j 00:21	25°♏31'25	
behind sun end	-5047 Dec 23 j 12:16	25°♏35'09	

Attention, astronomical year style is used: The year -5047 in astronomical counting style is the year 5048 BCE in historical counting style.

max. Earth dist.	-5047 Dec 22 j 17:41	25°♏29'18	10.38644 AU
morning rise	-5046 Jan 09 j 13:41	27°♏43'52	
	-5046 Jan 28 j 11:54	0°♐	
retrograde	-5046 Apr 26 j 06:36	5°♐45'46	
opposition	-5046 Jul 04 j 23:36	2°♐18'15	-0°32'21
min. Earth dist.	-5046 Jul 05 j 07:54	2°♐16'37	8.30559 AU
	-5046 Aug 06 j 02:59	30°℞♏	
direct	-5046 Sep 10 j 05:41	28°♏55'42	
	-5046 Oct 14 j 13:58	0°♐	
evening set	-5046 Dec 19 j 14:15	6°♐37'43	
conjunction	-5045 Jan 05 j 20:54	8°♐50'10	-0°42'00
minimum elong	-5045 Jan 05 j 20:52	8°♐50'10	0°42'16
max. Earth dist.	-5045 Jan 05 j 12:07	8°♐47'21	10.22959 AU
morning rise	-5045 Jan 23 j 09:02	11°♐04'25	
retrograde	-5045 May 10 j 19:22	19°♐19'05	
opposition	-5045 Jul 18 j 23:41	15°♐49'51	-1°12'47
min. Earth dist.	-5045 Jul 19 j 04:43	15°♐48'51	8.15530 AU
direct	-5045 Sep 23 j 16:15	12°♐25'49	
evening set	-5044 Jan 02 j 14:43	20°♐19'20	
conjunction	-5044 Jan 20 j 01:43	22°♐35'10	-1°13'27
minimum elong	-5044 Jan 20 j 01:40	22°♐35'09	1°13'43
max. Earth dist.	-5044 Jan 19 j 22:06	22°♐34'00	10.08711 AU
morning rise	-5044 Feb 06 j 18:05	24°♐52'48	
	-5044 Mar 22 j 06:15	0°♑	
retrograde	-5044 May 24 j 17:14	3°♑18'55	
	-5044 Jul 29 j 21:47	30°℞♐	
opposition	-5044 Aug 01 j 07:33	29°♐48'15	-1°50'23
min. Earth dist.	-5044 Aug 01 j 08:22	29°♐48'05	8.02416 AU
direct	-5044 Oct 06 j 12:36	26°♐22'43	
	-5044 Dec 09 j 15:32	0°♑	
evening set	-5043 Jan 16 j 05:16	4°♑27'29	
conjunction	-5043 Feb 02 j 20:21	6°♑46'20	-1°41'22
minimum elong	-5043 Feb 02 j 20:17	6°♑46'19	1°41'38
max. Earth dist.	-5043 Feb 02 j 22:11	6°♑46'56	9.96788 AU
morning rise	-5043 Feb 20 j 16:23	9°♑06'51	
retrograde	-5043 Jun 08 j 22:06	17°♑42'01	
opposition	-5043 Aug 15 j 21:52	14°♑10'16	-2°22'15
min. Earth dist.	-5043 Aug 15 j 18:18	14°♑11'00	7.92052 AU
direct	-5043 Oct 20 j 18:49	10°♑43'16	
evening set	-5042 Jan 31 j 08:21	18°♑58'09	
conjunction	-5042 Feb 18 j 03:09	21°♑19'26	-2°03'32
minimum elong	-5042 Feb 18 j 03:05	21°♑19'25	2°03'47
max. Earth dist.	-5042 Feb 18 j 10:15	21°♑21'48	9.87980 AU
morning rise	-5042 Mar 08 j 02:12	23°♑42'09	
	-5042 May 02 j 23:46	0°♒	
retrograde	-5042 Jun 24 j 06:22	2°♒22'53	
	-5042 Aug 16 j 13:44	30°℞♑	
opposition	-5042 Aug 30 j 16:41	28°♑50'32	-2°45'36
min. Earth dist.	-5042 Aug 30 j 09:11	28°♑52'06	7.85122 AU
direct	-5042 Nov 04 j 09:43	25°♑22'12	
	-5041 Jan 16 j 12:01	0°♒	
evening set	-5041 Feb 15 j 21:16	3°♒45'03	
conjunction	-5041 Mar 05 j 19:14	6°♒08'01	-2°17'59
minimum elong	-5041 Mar 05 j 19:12	6°♒08'01	2°18'12
max. Earth dist.	-5041 Mar 06 j 07:03	6°♒11'59	9.82898 AU
morning rise	-5041 Mar 23 j 20:31	8°♒32'05	
	-5041 May 20 j 09:17	15°♒	
retrograde	-5041 Jul 09 j 14:22	17°♒14'06	
	-5041 Aug 29 j 15:46	15°℞♒	
opposition	-5041 Sep 14 j 13:23	13°♒41'42	-2°58'12
min. Earth dist.	-5041 Sep 14 j 02:43	13°♒43'56	7.82107 AU
direct	-5041 Nov 19 j 06:48	10°♒12'15	
	-5040 Feb 02 j 00:56	15°♒	
evening set	-5040 Mar 02 j 15:57	18°♒40'02	
conjunction	-5040 Mar 20 j 16:31	21°♒03'49	-2°23'21
minimum elong	-5040 Mar 20 j 16:31	21°♒03'50	2°23'32
max. Earth dist.	-5040 Mar 21 j 08:08	21°♒09'03	9.81919 AU
morning rise	-5040 Apr 07 j 19:18	23°♒28'17	
	-5040 Jun 05 j 05:07	0°♓	
retrograde	-5040 Jul 23 j 19:03	2°♓07'03	
	-5040 Sep 11 j 02:31	30°℞♒	
opposition	-5040 Sep 28 j 09:23	28°♒35'06	-2°58'49
min. Earth dist.	-5040 Sep 27 j 20:36	28°♒37'48	7.83228 AU
direct	-5040 Dec 03 j 07:54	25°♒04'51	
	-5039 Feb 17 j 14:32	0°♓	
evening set	-5039 Mar 18 j 11:53	3°♓33'58	
conjunction	-5039 Apr 05 j 14:24	5°♓57'40	-2°19'10
minimum elong	-5039 Apr 05 j 14:27	5°♓57'41	2°19'17
max. Earth dist.	-5039 Apr 06 j 08:37	6°♓03'44	9.85113 AU
morning rise	-5039 Apr 23 j 17:53	8°♓21'35	
retrograde	-5039 Aug 07 j 16:56	16°♓52'48	
min. Earth dist.	-5039 Oct 12 j 11:50	13°♓24'48	7.88386 AU
opposition	-5039 Oct 13 j 01:55	13°♓21'50	-2°47'31
direct	-5039 Dec 18 j 10:07	9°♓51'10	
evening set	-5038 Apr 03 j 04:50	18°♓17'59	
conjunction	-5038 Apr 21 j 08:24	20°♓40'40	-2°05'55
minimum elong	-5038 Apr 21 j 08:28	20°♓40'41	2°05'58
max. Earth dist.	-5038 Apr 22 j 03:58	20°♓47'06	9.92224 AU
morning rise	-5038 May 09 j 11:32	23°♓03'04	
	-5038 Jul 14 j 07:54	0°♈	
retrograde	-5038 Aug 22 j 05:22	1°♈23'21	
	-5038 Sep 30 j 10:37	30°℞♓	
opposition	-5038 Oct 27 j 12:32	27°♓53'48	-2°25'33
min. Earth dist.	-5038 Oct 26 j 21:40	27°♓56'54	7.97202 AU
direct	-5037 Jan 02 j 10:51	24°♓23'08	
	-5037 Mar 27 j 06:19	0°♈	
evening set	-5037 Apr 18 j 14:40	2°♈44'24	
conjunction	-5037 May 06 j 18:12	5°♈05'12	-1°44'59
minimum elong	-5037 May 06 j 18:16	5°♈05'14	1°44'58
max. Earth dist.	-5037 May 07 j 14:02	5°♈11'40	10.02737 AU
morning rise	-5037 May 24 j 19:55	7°♈25'19	
retrograde	-5037 Sep 05 j 05:58	15°♈32'28	
opposition	-5037 Nov 10 j 15:43	12°♈04'39	-1°55'09
min. Earth dist.	-5037 Nov 10 j 00:32	12°♈07'47	8.09070 AU
direct	-5036 Jan 17 j 06:34	8°♈34'26	
evening set	-5036 May 02 j 14:15	16°♈47'33	
conjunction	-5036 May 20 j 16:34	19°♈05'47	-1°18'14
minimum elong	-5036 May 20 j 16:38	19°♈05'48	1°18'09
max. Earth dist.	-5036 May 21 j 11:46	19°♈11'57	10.15933 AU
morning rise	-5036 Jun 07 j 15:46	21°♈22'57	
retrograde	-5036 Sep 17 j 19:30	29°♈16'01	
opposition	-5036 Nov 23 j 10:12	25°♈50'09	-1°19'01
min. Earth dist.	-5036 Nov 22 j 19:22	25°♈53'11	8.23214 AU
direct	-5035 Jan 30 j 18:05	22°♈20'45	
	-5035 May 13 j 19:42	0°♉	
evening set	-5035 May 17 j 02:07	0°♉24'05	
conjunction	-5035 Jun 04 j 01:58	2°♉39'14	-0°47'49
minimum elong	-5035 Jun 04 j 02:01	2°♉39'15	0°47'41
max. Earth dist.	-5035 Jun 04 j 19:47	2°♉44'51	10.30965 AU
morning rise	-5035 Jun 21 j 21:33	4°♉53'01	
retrograde	-5035 Sep 30 j 22:55	12°♉32'04	
opposition	-5035 Dec 06 j 19:41	9°♉08'15	-0°39'50
min. Earth dist.	-5035 Dec 06 j 06:29	9°♉10'54	8.38781 AU

Attention, astronomical year style is used: The year -5034 in astronomical counting style is the year 5035 BCE in historical counting style.

direct	-5034 Feb 13 j 19:59	5°♉39'56	
evening set	-5034 May 31 j 01:13	13°♉32'42	
	-5034 Jun 11 j 21:54	15°♉	
conjunction	-5034 Jun 17 j 21:24	15°♉44'27	-0°15'49
minimum elong	-5034 Jun 17 j 21:25	15°♉44'27	0°15'38
behind sun begin	-5034 Jun 17 j 20:09	15°♉44'04	
behind sun end	-5034 Jun 17 j 22:41	15°♉44'50	
max. Earth dist.	-5034 Jun 18 j 12:48	15°♉49'12	10.46959 AU
morning rise	-5034 Jul 05 j 12:33	17°♉54'38	
retrograde	-5034 Oct 13 j 15:42	25°♉20'33	
opposition	-5034 Dec 19 j 20:34	21°♉58'47	-0°00'06
min. Earth dist.	-5034 Dec 19 j 10:01	22°♉00'52	8.54923 AU
asc. node	-5034 Dec 20 j 20:04	21°♉54'08	
direct	-5033 Feb 27 j 12:42	18°♉31'45	
evening set	-5033 Jun 13 j 11:12	26°♉13'48	
conjunction	-5033 Jul 01 j 02:46	28°♉22'01	0°16'02
minimum elong	-5033 Jul 01 j 02:45	28°♉22'01	0°16'16
max. Earth dist.	-5033 Jul 01 j 14:28	28°♉25'34	10.63073 AU
	-5033 Jul 14 j 13:31	0°♊	
morning rise	-5033 Jul 18 j 13:03	0°♊28'38	
retrograde	-5033 Oct 25 j 20:54	7°♊42'54	
opposition	-5032 Jan 01 j 13:12	4°♊23'00	0°38'10
min. Earth dist.	-5032 Jan 01 j 05:42	4°♊24'27	8.70828 AU
direct	-5032 Mar 11 j 21:26	0°♊57'21	
evening set	-5032 Jun 25 j 08:53	8°♊29'09	
conjunction	-5032 Jul 12 j 19:20	10°♊33'55	0°46'08
minimum elong	-5032 Jul 12 j 19:18	10°♊33'54	0°46'23
max. Earth dist.	-5032 Jul 13 j 02:30	10°♊36'04	10.78541 AU
morning rise	-5032 Jul 30 j 00:33	12°♊37'05	
retrograde	-5032 Nov 05 j 19:02	19°♊41'27	
opposition	-5031 Jan 12 j 22:13	16°♊23'10	1°13'25
min. Earth dist.	-5031 Jan 12 j 17:26	16°♊24'05	8.85754 AU
direct	-5031 Mar 24 j 19:55	12°♊58'57	
evening set	-5031 Jul 07 j 19:08	20°♊21'19	
conjunction	-5031 Jul 25 j 00:21	22°♊22'53	1°13'24
minimum elong	-5031 Jul 25 j 00:18	22°♊22'52	1°13'40
max. Earth dist.	-5031 Jul 25 j 03:33	22°♊23'50	10.92671 AU
morning rise	-5031 Aug 11 j 00:27	24°♊22'56	
	-5031 Oct 08 j 18:59	0°♋	
retrograde	-5031 Nov 17 j 10:22	1°♋19'19	
	-5031 Dec 28 j 02:58	30°℞♊	
opposition	-5030 Jan 25 j 01:06	28°♊02'22	1°44'29
min. Earth dist.	-5030 Jan 24 j 22:59	28°♊02'46	8.99043 AU
direct	-5030 Apr 06 j 09:17	24°♊39'30	
	-5030 Jul 02 j 18:26	0°♋	
evening set	-5030 Jul 19 j 19:04	1°♋53'32	
conjunction	-5030 Aug 05 j 19:14	3°♋52'16	1°37'01
minimum elong	-5030 Aug 05 j 19:11	3°♋52'15	1°37'17
max. Earth dist.	-5030 Aug 05 j 19:14	3°♋52'16	11.04859 AU
morning rise	-5030 Aug 22 j 14:26	5°♋49'37	
retrograde	-5030 Nov 28 j 22:19	12°♋40'02	
opposition	-5029 Feb 05 j 23:02	9°♋24'06	2°10'37
min. Earth dist.	-5029 Feb 06 j 00:23	9°♋23'51	9.10136 AU
direct	-5029 Apr 18 j 15:16	6°♋02'30	
evening set	-5029 Jul 31 j 10:31	13°♋09'31	
conjunction	-5029 Aug 17 j 05:57	15°♋05'54	1°56'23
minimum elong	-5029 Aug 17 j 05:54	15°♋05'53	1°56'39
max. Earth dist.	-5029 Aug 17 j 01:56	15°♋04'44	11.14613 AU
morning rise	-5029 Sep 02 j 20:56	17°♋01'04	
retrograde	-5029 Dec 10 j 05:13	23°♋47'32	
opposition	-5028 Feb 17 j 17:06	20°♋32'17	2°31'16
min. Earth dist.	-5028 Feb 17 j 22:39	20°♋31'16	9.18610 AU
direct	-5028 Apr 29 j 12:52	17°♋11'48	
evening set	-5028 Aug 10 j 19:04	24°♋13'18	
conjunction	-5028 Aug 27 j 10:18	26°♋07'51	2°11'04
minimum elong	-5028 Aug 27 j 10:16	26°♋07'51	2°11'20
max. Earth dist.	-5028 Aug 27 j 01:35	26°♋05'20	11.21612 AU
morning rise	-5028 Sep 12 j 22:00	28°♋01'26	
	-5028 Oct 01 j 00:10	0°♌	
retrograde	-5028 Dec 20 j 10:23	4°♌45'56	
opposition	-5027 Feb 28 j 08:56	1°♌31'01	2°46'04
min. Earth dist.	-5027 Feb 28 j 17:27	1°♌29'27	9.24214 AU
	-5027 Mar 21 j 22:20	30°℞♋	
direct	-5027 May 11 j 07:34	28°♋11'26	
	-5027 Jun 29 j 04:57	0°♌	
evening set	-5027 Aug 21 j 22:17	5°♌08'50	
conjunction	-5027 Sep 07 j 10:16	7°♌02'09	2°20'50
minimum elong	-5027 Sep 07 j 10:14	7°♌02'08	2°21'04
max. Earth dist.	-5027 Sep 06 j 22:43	6°♌58'49	11.25692 AU
morning rise	-5027 Sep 23 j 19:24	8°♌54'41	
	-5027 Dec 03 j 09:10	15°♌	
retrograde	-5027 Dec 31 j 17:16	15°♌39'05	
	-5026 Jan 29 j 13:21	15°℞♌	
opposition	-5026 Mar 11 j 23:47	12°♌24'06	2°54'49
min. Earth dist.	-5026 Mar 12 j 10:15	12°♌22'12	9.26832 AU
direct	-5026 May 22 j 22:08	9°♌05'16	
	-5026 Aug 23 j 22:15	15°♌	
evening set	-5026 Sep 01 j 21:58	15°♌59'54	
conjunction	-5026 Sep 18 j 07:43	17°♌52'34	2°25'28
minimum elong	-5026 Sep 18 j 07:42	17°♌52'33	2°25'40
max. Earth dist.	-5026 Sep 17 j 18:25	17°♌48'43	11.26784 AU
morning rise	-5026 Oct 04 j 15:12	19°♌44'40	
retrograde	-5025 Jan 12 j 01:03	26°♌30'42	
opposition	-5025 Mar 23 j 14:55	23°♌15'18	2°57'22
min. Earth dist.	-5025 Mar 24 j 03:28	23°♌13'01	9.26432 AU
direct	-5025 Jun 03 j 09:06	19°♌56'56	
evening set	-5025 Sep 12 j 19:48	26°♌50'15	
conjunction	-5025 Sep 29 j 04:10	28°♌42'51	2°24'55
minimum elong	-5025 Sep 29 j 04:11	28°♌42'51	2°25'04
max. Earth dist.	-5025 Sep 28 j 12:17	28°♌38'15	11.24886 AU
	-5025 Oct 10 j 07:50	0°♍	
morning rise	-5025 Oct 15 j 11:16	0°♍35'09	
retrograde	-5024 Jan 23 j 12:19	7°♍24'31	
opposition	-5024 Apr 03 j 07:36	4°♍08'23	2°53'36
min. Earth dist.	-5024 Apr 03 j 22:35	4°♍05'39	9.23046 AU
direct	-5024 Jun 13 j 19:25	0°♍50'14	
evening set	-5024 Sep 22 j 17:38	7°♍43'41	
max. Earth dist.	-5024 Oct 08 j 07:33	9°♍31'33	11.20074 AU
conjunction	-5024 Oct 09 j 01:33	9°♍36'47	2°19'07
minimum elong	-5024 Oct 09 j 01:35	9°♍36'48	2°19'13
morning rise	-5024 Oct 25 j 09:21	11°♍29'54	
retrograde	-5023 Feb 03 j 01:47	18°♍24'20	
opposition	-5023 Apr 15 j 02:59	15°♍07'07	2°43'33
min. Earth dist.	-5023 Apr 15 j 19:16	15°♍04'08	9.16790 AU
direct	-5023 Jun 25 j 06:06	11°♍48'57	
evening set	-5023 Oct 03 j 17:10	18°♍44'03	
max. Earth dist.	-5023 Oct 19 j 07:40	20°♍32'56	11.12504 AU
conjunction	-5023 Oct 20 j 01:52	20°♍38'16	2°08'07
minimum elong	-5023 Oct 20 j 01:55	20°♍38'17	2°08'11
morning rise	-5023 Nov 05 j 11:14	22°♍32'47	
retrograde	-5022 Feb 15 j 00:15	29°♍33'57	
opposition	-5022 Apr 27 j 02:24	26°♍15'24	2°27'15

Attention, astronomical year style is used: The year -5022 in astronomical counting style is the year 5023 BCE in historical counting style.

min. Earth dist.	-5022 Apr 27 j 18:25	26°♍12'27	9.07871 AU
direct	-5022 Jul 06 j 20:01	22°♍57'02	
evening set	-5022 Oct 14 j 20:24	29°♍55'15	
	-5022 Oct 15 j 12:46	0°♎	
conjunction	-5022 Oct 31 j 06:52	1°♎51'12	1°52'04
minimum elong	-5022 Oct 31 j 06:54	1°♎51'12	1°52'05
max. Earth dist.	-5022 Oct 30 j 12:51	1°♎45'52	11.02413 AU
morning rise	-5022 Nov 16 j 18:45	3°♎47'41	
retrograde	-5021 Feb 27 j 05:46	10°♎57'12	
opposition	-5021 May 09 j 07:02	7°♎37'06	2°04'54
min. Earth dist.	-5021 May 09 j 22:40	7°♎34'12	8.96570 AU
direct	-5021 Jul 18 j 10:31	4°♎18'21	
evening set	-5021 Oct 26 j 05:33	11°♎21'18	
conjunction	-5021 Nov 11 j 18:26	13°♎19'28	1°31'15
minimum elong	-5021 Nov 11 j 18:29	13°♎19'29	1°31'12
max. Earth dist.	-5021 Nov 11 j 00:04	13°♎13'58	10.90131 AU
morning rise	-5021 Nov 28 j 09:51	15°♎18'28	
retrograde	-5020 Mar 10 j 19:09	22°♎37'51	
opposition	-5020 May 20 j 17:58	19°♎16'05	1°36'52
min. Earth dist.	-5020 May 21 j 09:17	19°♎13'13	8.83280 AU
direct	-5020 Jul 29 j 06:58	15°♎56'43	
evening set	-5020 Nov 05 j 22:27	23°♎06'02	
conjunction	-5020 Nov 22 j 14:31	25°♎06'54	1°06'06
minimum elong	-5020 Nov 22 j 14:34	25°♎06'55	1°05'59
max. Earth dist.	-5020 Nov 21 j 20:45	25°♎01'29	10.76096 AU
morning rise	-5020 Dec 09 j 10:10	27°♎08'54	
	-5019 Jan 03 j 14:33	0°♏	
retrograde	-5019 Mar 23 j 18:48	4°♏39'32	
opposition	-5019 Jun 02 j 12:29	1°♏16'00	1°03'44
min. Earth dist.	-5019 Jun 03 j 02:45	1°♏13'18	8.68502 AU
	-5019 Jun 19 j 14:20	30°℞♎	
direct	-5019 Aug 10 j 09:57	27°♎55'49	
	-5019 Sep 29 j 00:08	0°♏	
evening set	-5019 Nov 18 j 00:55	5°♏13'00	
conjunction	-5019 Dec 04 j 20:57	7°♏16'59	0°37'17
minimum elong	-5019 Dec 04 j 20:58	7°♏17'00	0°37'08
max. Earth dist.	-5019 Dec 04 j 05:45	7°♏12'17	10.60842 AU
morning rise	-5019 Dec 21 j 21:11	9°♏22'21	
	-5018 Feb 14 j 03:41	15°♏	
retrograde	-5018 Apr 06 j 04:59	17°♏05'22	
	-5018 May 28 j 20:44	15°℞♏	
opposition	-5018 Jun 15 j 15:10	13°♏40'01	0°26'28
min. Earth dist.	-5018 Jun 16 j 02:54	13°♏37'45	8.52841 AU
direct	-5018 Aug 22 j 20:52	10°♏18'53	
	-5018 Nov 07 j 02:28	15°♏	
evening set	-5018 Nov 30 j 15:16	17°♏45'22	
conjunction	-5018 Dec 17 j 15:36	19°♏52'46	0°05'52
minimum elong	-5018 Dec 17 j 15:37	19°♏52'46	0°05'41
behind sun begin	-5018 Dec 17 j 08:48	19°♏50'39	
behind sun end	-5018 Dec 17 j 22:26	19°♏54'53	
max. Earth dist.	-5018 Dec 17 j 03:36	19°♏49'00	10.45017 AU
morning rise	-5017 Jan 03 j 20:36	22°♏01'43	
desc. node	-5017 Feb 23 j 07:48	27°♏27'20	
retrograde	-5017 Apr 20 j 02:53	29°♏57'44	
opposition	-5017 Jun 29 j 02:21	26°♏30'37	-0°13'32
min. Earth dist.	-5017 Jun 29 j 10:45	26°♏28'59	8.37009 AU
direct	-5017 Sep 04 j 16:37	23°♏08'23	
	-5017 Dec 07 j 16:15	0°♐	
evening set	-5017 Dec 13 j 18:54	0°♐45'24	
conjunction	-5017 Dec 30 j 23:35	2°♐56'19	-0°26'58
minimum elong	-5017 Dec 30 j 23:34	2°♐56'18	0°27'12
max. Earth dist.	-5017 Dec 30 j 14:59	2°♐53'34	10.29384 AU
morning rise	-5016 Jan 17 j 09:22	5°♐08'56	
retrograde	-5016 May 03 j 12:44	13°♐17'57	
opposition	-5016 Jul 11 j 22:34	9°♐49'15	-0°54'22
min. Earth dist.	-5016 Jul 12 j 03:19	9°♐48'18	8.21820 AU
direct	-5016 Sep 16 j 20:34	6°♐25'48	
evening set	-5016 Dec 26 j 12:40	14°♐14'05	
conjunction	-5015 Jan 12 j 21:36	16°♐28'25	-0°59'17
minimum elong	-5015 Jan 12 j 21:33	16°♐28'24	0°59'32
max. Earth dist.	-5015 Jan 12 j 16:40	16°♐26'49	10.14797 AU
morning rise	-5015 Jan 30 j 11:59	18°♐44'33	
retrograde	-5015 May 18 j 07:33	27°♐05'44	
opposition	-5015 Jul 26 j 03:12	23°♐35'40	-1°33'37
min. Earth dist.	-5015 Jul 26 j 04:27	23°♐35'25	8.08147 AU
direct	-5015 Sep 30 j 11:50	20°♐10'56	
evening set	-5014 Jan 09 j 21:00	28°♐10'40	
	-5014 Jan 23 j 20:26	0°♑	
conjunction	-5014 Jan 27 j 10:04	0°♑28'09	-1°29'05
minimum elong	-5014 Jan 27 j 10:00	0°♑28'08	1°29'21
max. Earth dist.	-5014 Jan 27 j 09:38	0°♑28'00	10.02136 AU
morning rise	-5014 Feb 14 j 04:32	2°♑47'24	
retrograde	-5014 Jun 02 j 09:41	11°♑18'46	
opposition	-5014 Aug 09 j 14:57	7°♑47'43	-2°08'27
min. Earth dist.	-5014 Aug 09 j 12:49	7°♑48'09	7.96850 AU
direct	-5014 Oct 14 j 14:12	4°♑21'40	
evening set	-5013 Jan 24 j 18:49	12°♑32'06	
conjunction	-5013 Feb 11 j 11:44	14°♑52'16	-1°54'09
minimum elong	-5013 Feb 11 j 11:40	14°♑52'15	1°54'24
max. Earth dist.	-5013 Feb 11 j 16:26	14°♑53'50	9.92233 AU
morning rise	-5013 Mar 01 j 09:34	17°♑14'02	
retrograde	-5013 Jun 17 j 16:09	25°♑52'34	
opposition	-5013 Aug 24 j 08:14	22°♑20'53	-2°35'59
min. Earth dist.	-5013 Aug 24 j 02:26	22°♑22'05	7.88685 AU
direct	-5013 Oct 29 j 02:16	18°♑53'37	
evening set	-5012 Feb 09 j 03:38	27°♑12'57	
conjunction	-5012 Feb 26 j 23:59	29°♑35'08	-2°12'19
minimum elong	-5012 Feb 26 j 23:56	29°♑35'07	2°12'34
max. Earth dist.	-5012 Feb 27 j 09:57	29°♑38'28	9.85785 AU
	-5012 Mar 01 j 02:24	0°♒	
morning rise	-5012 Mar 16 j 00:22	1°♒58'35	
retrograde	-5012 Jul 02 j 00:03	10°♒40'19	
opposition	-5012 Sep 07 j 04:35	7°♒08'28	-2°53'40
min. Earth dist.	-5012 Sep 06 j 19:14	7°♒10'26	7.84219 AU
direct	-5012 Nov 11 j 20:59	3°♒40'06	
evening set	-5011 Feb 23 j 20:11	12°♒05'38	
conjunction	-5011 Mar 13 j 19:32	14°♒29'00	-2°21'56
minimum elong	-5011 Mar 13 j 19:31	14°♒28'59	2°22'08
max. Earth dist.	-5011 Mar 14 j 10:08	14°♒33'53	9.83249 AU
	-5011 Mar 17 j 16:12	15°♒	
morning rise	-5011 Mar 31 j 21:42	16°♒53'14	
retrograde	-5011 Jul 17 j 06:37	25°♒33'37	
opposition	-5011 Sep 22 j 01:09	22°♒02'02	-2°59'48
min. Earth dist.	-5011 Sep 21 j 12:49	22°♒04'37	7.83725 AU
direct	-5011 Nov 26 j 20:42	18°♒32'45	
evening set	-5010 Mar 11 j 16:07	27°♒01'07	
conjunction	-5010 Mar 29 j 17:50	29°♒24'47	-2°22'07
minimum elong	-5010 Mar 29 j 17:52	29°♒24'47	2°22'15
max. Earth dist.	-5010 Mar 30 j 11:45	29°♒30'46	9.84729 AU
	-5010 Apr 03 j 03:26	0°♓	
morning rise	-5010 Apr 16 j 20:58	1°♓48'51	
retrograde	-5010 Aug 01 j 08:07	10°♓23'30	

Attention, astronomical year style is used: The year -5010 in astronomical counting style is the year 5011 BCE in historical counting style.

opposition	-5010 Oct 06 j 19:22	6°♓52'39	-2°53'51
min. Earth dist.	-5010 Oct 06 j 05:11	6°♓55'38	7.87112 AU
direct	-5010 Dec 11 j 22:28	3°♓22'48	
evening set	-5009 Mar 27 j 10:48	11°♓50'31	
conjunction	-5009 Apr 14 j 14:02	14°♓13'36	-2°12'53
minimum elong	-5009 Apr 14 j 14:05	14°♓13'37	2°12'58
max. Earth dist.	-5009 Apr 15 j 09:40	14°♓20'06	9.89984 AU
morning rise	-5009 May 02 j 17:12	16°♓36'37	
retrograde	-5009 Aug 16 j 01:50	25°♓01'58	
opposition	-5009 Oct 21 j 08:53	21°♓32'20	-2°36'33
min. Earth dist.	-5009 Oct 20 j 18:04	21°♓35'25	7.94058 AU
direct	-5009 Dec 26 j 23:29	18°♓02'15	
evening set	-5008 Apr 11 j 00:20	26°♓26'07	
conjunction	-5008 Apr 29 j 04:05	28°♓47'47	-1°55'15
minimum elong	-5008 Apr 29 j 04:09	28°♓47'48	1°55'16
max. Earth dist.	-5008 Apr 30 j 00:04	28°♓54'20	9.98645 AU
	-5008 May 08 j 09:03	0°♈	
morning rise	-5008 May 17 j 06:23	1°♈08'57	
retrograde	-5008 Aug 29 j 09:06	9°♈22'20	
opposition	-5008 Nov 03 j 15:47	5°♈54'14	-2°09'43
min. Earth dist.	-5008 Nov 03 j 01:16	5°♈57'15	8.04166 AU
direct	-5007 Jan 09 j 21:16	2°♈24'18	
evening set	-5007 Apr 26 j 05:24	10°♈41'27	
conjunction	-5007 May 14 j 08:29	13°♈00'57	-1°30'53
minimum elong	-5007 May 14 j 08:33	13°♈00'58	1°30'50
max. Earth dist.	-5007 May 15 j 03:32	13°♈07'06	10.10212 AU
morning rise	-5007 Jun 01 j 08:52	15°♈19'31	
retrograde	-5007 Sep 12 j 04:23	23°♈19'21	
opposition	-5007 Nov 17 j 14:48	19°♈53'00	-1°35'51
min. Earth dist.	-5007 Nov 17 j 01:21	19°♈55'46	8.16850 AU
direct	-5006 Jan 24 j 13:01	16°♈23'31	
evening set	-5006 May 10 j 23:30	24°♈31'49	
conjunction	-5006 May 29 j 00:33	26°♈48'30	-1°01'51
minimum elong	-5006 May 29 j 00:36	26°♈48'31	1°01'44
max. Earth dist.	-5006 May 29 j 17:29	26°♈53'52	10.23980 AU
morning rise	-5006 Jun 15 j 21:56	29°♈03'56	
	-5006 Jun 23 j 12:22	0°♉	
retrograde	-5006 Sep 25 j 12:20	6°♉49'44	
opposition	-5006 Dec 01 j 05:00	3°♉25'14	-0°57'42
min. Earth dist.	-5006 Nov 30 j 16:50	3°♉27'41	8.31357 AU
	-5005 Jan 30 j 18:23	30°℞♈	
direct	-5005 Feb 07 j 20:58	29°♈56'31	
	-5005 Feb 16 j 00:04	0°♉	
evening set	-5005 May 25 j 05:00	7°♉54'39	
conjunction	-5005 Jun 12 j 02:54	10°♉08'05	-0°30'18
minimum elong	-5005 Jun 12 j 02:56	10°♉08'05	0°30'08
max. Earth dist.	-5005 Jun 12 j 17:06	10°♉12'30	10.39137 AU
morning rise	-5005 Jun 29 j 20:22	12°♉20'03	
	-5005 Jul 22 j 15:18	15°♉	
retrograde	-5005 Oct 08 j 09:02	19°♉52'20	
opposition	-5005 Dec 14 j 10:13	16°♉29'38	-0°17'55
min. Earth dist.	-5005 Dec 13 j 23:22	16°♉31'47	8.46858 AU
	-5004 Jan 02 j 21:21	15°℞♉	
direct	-5004 Feb 21 j 19:52	13°♉01'55	
	-5004 Apr 11 j 01:28	15°♉	
asc. node	-5004 Jun 02 j 16:35	20°♉19'16	
evening set	-5004 Jun 06 j 21:19	20°♉49'22	
conjunction	-5004 Jun 24 j 15:12	22°♉59'20	0°01'54
minimum elong	-5004 Jun 24 j 15:12	22°♉59'20	0°02'07
behind sun begin	-5004 Jun 24 j 07:59	22°♉57'09	
behind sun end	-5004 Jun 24 j 22:24	23°♉01'32	
max. Earth dist.	-5004 Jun 25 j 02:49	23°♉02'54	10.54839 AU
morning rise	-5004 Jul 12 j 03:59	25°♉07'45	
	-5004 Aug 26 j 23:56	0°♊	
retrograde	-5004 Oct 19 j 19:28	2°♊27'41	
	-5004 Dec 14 j 19:12	30°℞♉	
opposition	-5004 Dec 26 j 06:48	29°♉06'42	0°21'17
min. Earth dist.	-5004 Dec 25 j 21:57	29°♉08'26	8.62520 AU
direct	-5003 Mar 06 j 09:09	25°♉40'09	
	-5003 May 21 j 12:59	0°♊	
evening set	-5003 Jun 20 j 00:58	3°♊17'06	
conjunction	-5003 Jul 07 j 14:04	5°♊23'36	0°32'55
minimum elong	-5003 Jul 07 j 14:02	5°♊23'35	0°33'10
max. Earth dist.	-5003 Jul 07 j 22:53	5°♊26'16	10.70277 AU
morning rise	-5003 Jul 24 j 21:40	7°♊28'28	
retrograde	-5003 Oct 31 j 22:32	14°♊37'41	
opposition	-5002 Jan 07 j 19:34	11°♊18'17	0°58'06
min. Earth dist.	-5002 Jan 07 j 13:42	11°♊19'25	8.77592 AU
direct	-5002 Mar 19 j 11:07	7°♊52'59	
evening set	-5002 Jul 02 j 16:39	15°♊20'05	
conjunction	-5002 Jul 20 j 00:29	17°♊23'16	1°01'37
minimum elong	-5002 Jul 20 j 00:26	17°♊23'15	1°01'53
max. Earth dist.	-5002 Jul 20 j 05:47	17°♊24'51	10.84761 AU
morning rise	-5002 Aug 06 j 02:53	19°♊24'52	
retrograde	-5002 Nov 12 j 16:27	26°♊25'11	
opposition	-5001 Jan 20 j 01:37	23°♊07'10	1°31'13
min. Earth dist.	-5001 Jan 19 j 23:14	23°♊07'37	8.91436 AU
direct	-5001 Apr 01 j 04:33	19°♊43'07	
evening set	-5001 Jul 14 j 21:18	27°♊01'21	
conjunction	-5001 Jul 31 j 23:48	29°♊01'31	1°26'59
minimum elong	-5001 Jul 31 j 23:45	29°♊01'30	1°27'15
max. Earth dist.	-5001 Aug 01 j 00:36	29°♊01'45	10.97712 AU
	-5001 Aug 09 j 06:29	0°♋	
morning rise	-5001 Aug 17 j 21:22	1°♋00'15	
retrograde	-5001 Nov 24 j 04:40	7°♋53'39	
opposition	-5000 Feb 01 j 01:49	4°♋36'43	1°59'41
min. Earth dist.	-5000 Feb 01 j 02:14	4°♋36'38	9.03504 AU
direct	-5000 Apr 12 j 15:10	1°♋13'55	
evening set	-5000 Jul 25 j 16:39	8°♋24'31	
conjunction	-5000 Aug 11 j 14:12	10°♋22'05	1°48'20
minimum elong	-5000 Aug 11 j 14:10	10°♋22'04	1°48'36
max. Earth dist.	-5000 Aug 11 j 11:26	10°♋21'16	11.08654 AU
morning rise	-5000 Aug 28 j 07:18	12°♋18'21	
retrograde	-5000 Dec 04 j 13:20	19°♋06'48	
opposition	-4999 Feb 11 j 21:25	15°♋50'41	2°22'51
min. Earth dist.	-4999 Feb 12 j 00:06	15°♋50'12	9.13359 AU
direct	-4999 Apr 24 j 17:03	12°♋29'07	
evening set	-4999 Aug 06 j 04:10	19°♋33'22	
conjunction	-4999 Aug 22 j 21:24	21°♋28'50	2°05'10
minimum elong	-4999 Aug 22 j 21:22	21°♋28'49	2°05'25
max. Earth dist.	-4999 Aug 22 j 16:14	21°♋27'20	11.17215 AU
morning rise	-4999 Sep 08 j 10:32	23°♋23'10	
	-4999 Dec 02 j 17:20	0°♌	
retrograde	-4999 Dec 15 j 20:27	0°♌08'36	
	-4999 Dec 29 j 01:07	30°℞♋	
opposition	-4998 Feb 23 j 14:13	26°♋53'03	2°40'19
min. Earth dist.	-4998 Feb 23 j 19:35	26°♋52'04	9.20676 AU
direct	-4998 May 06 j 13:08	23°♋32'36	
	-4998 Aug 12 j 15:48	0°♌	
evening set	-4998 Aug 17 j 09:27	0°♌31'52	
conjunction	-4998 Sep 02 j 22:59	2°♌25'45	2°17'09
minimum elong	-4998 Sep 02 j 22:57	2°♌25'45	2°17'23

Attention, astronomical year style is used: The year -4998 in astronomical counting style is the year 4999 BCE in historical counting style.

max. Earth dist.	-4998 Sep 02 j 14:48	2°♌23'24	11.23124 AU
morning rise	-4998 Sep 19 j 09:06	4°♌18'45	
retrograde	-4998 Dec 27 j 02:19	11°♌03'01	
opposition	-4997 Mar 07 j 05:18	7°♌47'44	2°51'46
min. Earth dist.	-4997 Mar 07 j 13:53	7°♌46'10	9.25232 AU
direct	-4997 May 18 j 03:25	4°♌28'15	
evening set	-4997 Aug 28 j 10:28	11°♌23'57	
conjunction	-4997 Sep 13 j 21:04	13°♌16'51	2°24'05
minimum elong	-4997 Sep 13 j 21:03	13°♌16'51	2°24'17
max. Earth dist.	-4997 Sep 13 j 09:26	13°♌13'29	11.26206 AU
	-4997 Sep 28 j 21:07	15°♌	
morning rise	-4997 Sep 30 j 05:19	15°♌09'06	
retrograde	-4996 Jan 07 j 07:33	21°♌54'00	
opposition	-4996 Mar 17 j 19:44	18°♌38'39	2°57'02
min. Earth dist.	-4996 Mar 18 j 06:49	18°♌36'38	9.26879 AU
direct	-4996 May 28 j 16:04	15°♌19'56	
evening set	-4996 Sep 07 j 08:44	22°♌13'33	
conjunction	-4996 Sep 23 j 17:32	24°♌06'02	2°25'49
minimum elong	-4996 Sep 23 j 17:33	24°♌06'03	2°25'59
max. Earth dist.	-4996 Sep 23 j 03:55	24°♌02'07	11.26363 AU
morning rise	-4996 Oct 10 j 00:47	25°♌58'08	
	-4996 Nov 18 j 15:06	0°♍	
retrograde	-4995 Jan 17 j 17:41	2°♍45'28	
	-4995 Mar 22 j 11:41	30°℞♌	
opposition	-4995 Mar 29 j 11:11	29°♌29'42	2°56'02
min. Earth dist.	-4995 Mar 29 j 23:23	29°♌27'30	9.25553 AU
direct	-4995 Jun 09 j 03:25	26°♌11'36	
	-4995 Aug 20 j 05:50	0°♍	
evening set	-4995 Sep 18 j 05:58	3°♍04'28	
conjunction	-4995 Oct 04 j 14:03	4°♍57'10	2°22'20
minimum elong	-4995 Oct 04 j 14:04	4°♍57'11	2°22'28
max. Earth dist.	-4995 Oct 03 j 23:30	4°♍52'58	11.23575 AU
morning rise	-4995 Oct 20 j 21:14	6°♍49'44	
retrograde	-4994 Jan 29 j 06:29	13°♍41'11	
opposition	-4994 Apr 10 j 04:57	10°♍24'43	2°48'45
min. Earth dist.	-4994 Apr 10 j 18:23	10°♍22'17	9.21292 AU
direct	-4994 Jun 20 j 12:01	7°♍06'58	
evening set	-4994 Sep 29 j 04:19	14°♍00'36	
conjunction	-4994 Oct 15 j 12:31	15°♍54'05	2°13'38
minimum elong	-4994 Oct 15 j 12:34	15°♍54'06	2°13'43
max. Earth dist.	-4994 Oct 14 j 20:11	15°♍49'20	11.17929 AU
morning rise	-4994 Oct 31 j 20:55	17°♍47'42	
retrograde	-4993 Feb 10 j 01:04	24°♍44'54	
opposition	-4993 Apr 22 j 02:00	21°♍27'29	2°35'11
min. Earth dist.	-4993 Apr 22 j 17:01	21°♍24'44	9.14230 AU
direct	-4993 Jul 01 j 23:25	18°♍09'47	
evening set	-4993 Oct 10 j 05:24	25°♍05'41	
conjunction	-4993 Oct 26 j 14:44	27°♍00'32	1°59'49
minimum elong	-4993 Oct 26 j 14:47	27°♍00'33	1°59'52
max. Earth dist.	-4993 Oct 25 j 20:56	26°♍55'18	11.09595 AU
morning rise	-4993 Nov 12 j 01:23	28°♍55'49	
	-4993 Nov 21 j 11:44	0°♎	
retrograde	-4992 Feb 22 j 00:50	6°♎00'23	
opposition	-4992 May 03 j 03:39	2°♎41'41	2°15'32
min. Earth dist.	-4992 May 03 j 19:25	2°♎38'47	9.04567 AU
	-4992 Jun 15 j 00:16	30°℞♍	
direct	-4992 Jul 12 j 12:52	29°♍23'48	
	-4992 Aug 08 j 14:54	0°♎	
evening set	-4992 Oct 20 j 11:03	6°♎23'29	
conjunction	-4992 Nov 05 j 22:33	8°♎20'15	1°41'08
minimum elong	-4992 Nov 05 j 22:36	8°♎20'16	1°41'07
max. Earth dist.	-4992 Nov 05 j 05:13	8°♎15'06	10.98798 AU
morning rise	-4992 Nov 22 j 12:09	10°♎17'43	
retrograde	-4991 Mar 05 j 09:52	17°♎31'15	
opposition	-4991 May 15 j 10:58	14°♎11'01	1°50'03
min. Earth dist.	-4991 May 16 j 02:00	14°♎08'13	8.92586 AU
direct	-4991 Jul 24 j 08:01	10°♎52'41	
evening set	-4991 Oct 31 j 23:26	17°♎57'42	
conjunction	-4991 Nov 17 j 13:55	19°♎56'55	1°17'56
minimum elong	-4991 Nov 17 j 13:58	19°♎56'55	1°17'51
max. Earth dist.	-4991 Nov 16 j 21:20	19°♎51'55	10.85855 AU
morning rise	-4991 Dec 04 j 07:13	21°♎57'05	
retrograde	-4990 Mar 18 j 05:24	29°♎21'01	
opposition	-4990 May 28 j 01:01	25°♎59'04	1°19'15
min. Earth dist.	-4990 May 28 j 14:55	25°♎56'27	8.78652 AU
direct	-4990 Aug 05 j 06:14	22°♎40'03	
evening set	-4990 Nov 12 j 20:34	29°♎52'02	
	-4990 Nov 13 j 23:09	0°♏	
conjunction	-4990 Nov 29 j 14:33	1°♏54'08	0°50'46
minimum elong	-4990 Nov 29 j 14:35	1°♏54'09	0°50'38
max. Earth dist.	-4990 Nov 28 j 22:09	1°♏49'07	10.71177 AU
morning rise	-4990 Dec 16 j 12:19	3°♏57'30	
retrograde	-4989 Mar 31 j 09:37	11°♏33'10	
opposition	-4989 Jun 09 j 22:50	8°♏09'24	0°43'53
min. Earth dist.	-4989 Jun 10 j 11:40	8°♏06'58	8.63263 AU
direct	-4989 Aug 17 j 11:31	4°♏49'27	
evening set	-4989 Nov 25 j 04:22	12°♏10'04	
max. Earth dist.	-4989 Dec 11 j 11:02	14°♏10'41	10.55361 AU
conjunction	-4989 Dec 12 j 02:18	14°♏15'26	0°20'30
minimum elong	-4989 Dec 12 j 02:19	14°♏15'26	0°20'19
	-4989 Dec 18 j 01:42	15°♏	
morning rise	-4989 Dec 29 j 04:53	16°♏22'17	
retrograde	-4988 Apr 13 j 00:27	24°♏10'41	
opposition	-4988 Jun 22 j 05:06	20°♏45'04	0°05'06
min. Earth dist.	-4988 Jun 22 j 16:20	20°♏42'53	8.47141 AU
desc. node	-4988 Aug 09 j 08:24	17°♏44'36	
direct	-4988 Aug 29 j 02:29	17°♏23'55	
evening set	-4988 Dec 07 j 00:34	24°♏54'33	
conjunction	-4988 Dec 24 j 02:52	27°♏03'24	-0°11'47
minimum elong	-4988 Dec 24 j 02:51	27°♏03'24	0°12'00
behind sun begin	-4988 Dec 23 j 21:56	27°♏01'51	
behind sun end	-4988 Dec 24 j 07:46	27°♏04'56	
max. Earth dist.	-4988 Dec 23 j 14:38	26°♏59'33	10.39197 AU
morning rise	-4987 Jan 10 j 10:19	29°♏13'55	
	-4987 Jan 16 j 16:28	0°♐	
retrograde	-4987 Apr 27 j 03:06	7°♐15'27	
opposition	-4987 Jul 05 j 20:12	3°♐47'59	-0°35'26
min. Earth dist.	-4987 Jul 06 j 04:35	3°♐46'20	8.31138 AU
direct	-4987 Sep 11 j 02:16	0°♐25'29	
evening set	-4987 Dec 20 j 10:27	8°♐07'07	
conjunction	-4986 Jan 06 j 17:15	10°♐19'29	-0°44'24
minimum elong	-4986 Jan 06 j 17:13	10°♐19'29	0°44'39
max. Earth dist.	-4986 Jan 06 j 09:23	10°♐16'58	10.23549 AU
morning rise	-4986 Jan 24 j 05:20	12°♐33'38	
retrograde	-4986 May 11 j 15:37	20°♐47'55	
opposition	-4986 Jul 19 j 19:50	17°♐18'44	-1°15'35
min. Earth dist.	-4986 Jul 20 j 00:24	17°♐17'49	8.16133 AU
direct	-4986 Sep 24 j 12:32	13°♐54'47	
evening set	-4985 Jan 03 j 10:53	21°♐47'55	
conjunction	-4985 Jan 20 j 21:59	24°♐03'40	-1°15'33
minimum elong	-4985 Jan 20 j 21:56	24°♐03'39	1°15'49
max. Earth dist.	-4985 Jan 20 j 18:49	24°♐02'38	10.09307 AU

Attention, astronomical year style is used: The year -4985 in astronomical counting style is the year 4986 BCE in historical counting style.

morning rise	-4985 Feb 07 j 14:16	26°♐21'10	
	-4985 Mar 09 j 22:07	0°♑	
retrograde	-4985 May 26 j 13:05	4°♑46'51	
opposition	-4985 Aug 03 j 03:10	1°♑16'14	-1°52'44
min. Earth dist.	-4985 Aug 03 j 03:28	1°♑16'10	8.03009 AU
	-4985 Aug 19 j 02:35	30°℞♐	
direct	-4985 Oct 08 j 08:37	27°♐50'46	
	-4985 Nov 25 j 21:27	0°♑	
evening set	-4984 Jan 18 j 01:18	5°♑55'12	
conjunction	-4984 Feb 04 j 16:22	8°♑13'57	-1°43'03
minimum elong	-4984 Feb 04 j 16:18	8°♑13'56	1°43'19
max. Earth dist.	-4984 Feb 04 j 17:53	8°♑14'27	9.97358 AU
morning rise	-4984 Feb 22 j 12:21	10°♑34'21	
retrograde	-4984 Jun 09 j 17:27	19°♑09'03	
opposition	-4984 Aug 16 j 17:08	15°♑37'23	-2°24'01
min. Earth dist.	-4984 Aug 16 j 13:32	15°♑38'08	7.92603 AU
direct	-4984 Oct 21 j 13:55	12°♑10'26	
evening set	-4983 Feb 01 j 04:05	20°♑25'00	
conjunction	-4983 Feb 18 j 22:46	22°♑46'11	-2°04'42
minimum elong	-4983 Feb 18 j 22:43	22°♑46'10	2°04'57
max. Earth dist.	-4983 Feb 19 j 04:59	22°♑48'15	9.88501 AU
morning rise	-4983 Mar 08 j 21:50	25°♑08'48	
	-4983 Apr 18 j 14:58	0°♒	
retrograde	-4983 Jun 25 j 01:38	3°♒49'04	
opposition	-4983 Aug 31 j 11:37	0°♒16'49	-2°46'41
min. Earth dist.	-4983 Aug 31 j 04:41	0°♒18'16	7.85610 AU
	-4983 Sep 03 j 20:11	30°℞♑	
direct	-4983 Nov 05 j 03:53	26°♑48'30	
	-4982 Jan 03 j 18:22	0°♒	
evening set	-4982 Feb 16 j 16:46	5°♒11'05	
conjunction	-4982 Mar 06 j 14:38	7°♒33'59	-2°18'34
minimum elong	-4982 Mar 06 j 14:37	7°♒33'58	2°18'46
max. Earth dist.	-4982 Mar 07 j 01:11	7°♒37'30	9.83350 AU
morning rise	-4982 Mar 24 j 16:02	9°♒57'58	
	-4982 May 05 j 22:01	15°♒	
retrograde	-4982 Jul 10 j 09:48	18°♒39'32	
opposition	-4982 Sep 15 j 07:59	15°♒07'13	-2°58'31
min. Earth dist.	-4982 Sep 14 j 22:20	15°♒09'15	7.82512 AU
	-4982 Sep 16 j 18:20	15°℞♒	
direct	-4982 Nov 20 j 01:30	11°♒37'46	
	-4981 Jan 20 j 13:50	15°♒	
evening set	-4981 Mar 04 j 11:14	20°♒05'23	
conjunction	-4981 Mar 22 j 11:47	22°♒29'06	-2°23'19
minimum elong	-4981 Mar 22 j 11:47	22°♒29'06	2°23'29
max. Earth dist.	-4981 Mar 23 j 02:02	22°♒33'52	9.82275 AU
morning rise	-4981 Apr 09 j 14:41	24°♒53'31	
	-4981 May 22 j 15:11	0°♓	
retrograde	-4981 Jul 25 j 13:53	3°♓31'52	
opposition	-4981 Sep 30 j 03:45	0°♓00'01	-2°58'23
min. Earth dist.	-4981 Sep 29 j 15:52	0°♓02'32	7.83524 AU
	-4981 Sep 30 j 03:52	30°℞♒	
direct	-4981 Dec 05 j 03:18	26°♒29'46	
	-4980 Feb 06 j 06:53	0°♓	
evening set	-4980 Mar 19 j 06:51	4°♓58'46	
conjunction	-4980 Apr 06 j 09:25	7°♓22'25	-2°18'32
minimum elong	-4980 Apr 06 j 09:27	7°♓22'26	2°18'39
max. Earth dist.	-4980 Apr 07 j 02:37	7°♓28'09	9.85351 AU
morning rise	-4980 Apr 24 j 12:57	9°♓46'18	
retrograde	-4980 Aug 08 j 10:47	18°♓17'14	
opposition	-4980 Oct 13 j 20:04	14°♓46'20	-2°46'22
min. Earth dist.	-4980 Oct 13 j 06:20	14°♓49'13	7.88558 AU
direct	-4980 Dec 19 j 06:01	11°♓15'39	
evening set	-4979 Apr 03 j 23:34	19°♓42'25	
conjunction	-4979 Apr 22 j 03:17	22°♓05'06	-2°04'46
minimum elong	-4979 Apr 22 j 03:21	22°♓05'07	2°04'48
max. Earth dist.	-4979 Apr 22 j 22:23	22°♓11'24	9.92333 AU
morning rise	-4979 May 10 j 06:27	24°♓27'30	
	-4979 Jun 27 j 18:22	0°♈	
retrograde	-4979 Aug 22 j 22:18	2°♈47'36	
	-4979 Oct 19 j 20:16	30°℞♓	
opposition	-4979 Oct 28 j 06:31	29°♓18'05	-2°23'48
min. Earth dist.	-4979 Oct 27 j 15:35	29°♓21'12	7.97237 AU
direct	-4978 Jan 03 j 05:58	25°♓47'25	
	-4978 Mar 15 j 10:28	0°♈	
evening set	-4978 Apr 19 j 09:22	4°♈08'41	
conjunction	-4978 May 07 j 13:04	6°♈29'32	-1°43'22
minimum elong	-4978 May 07 j 13:08	6°♈29'33	1°43'21
max. Earth dist.	-4978 May 08 j 08:54	6°♈35'59	10.02704 AU
morning rise	-4978 May 25 j 14:43	8°♈49'39	
retrograde	-4978 Sep 05 j 23:52	16°♈56'44	
opposition	-4978 Nov 11 j 09:42	13°♈28'55	-1°52'55
min. Earth dist.	-4978 Nov 10 j 18:26	13°♈32'04	8.08957 AU
direct	-4977 Jan 17 j 24:00	9°♈58'41	
evening set	-4977 May 04 j 09:00	18°♈11'54	
conjunction	-4977 May 22 j 11:25	20°♈30'12	-1°16'16
minimum elong	-4977 May 22 j 11:28	20°♈30'13	1°16'11
max. Earth dist.	-4977 May 23 j 06:52	20°♈36'26	10.15751 AU
morning rise	-4977 Jun 09 j 10:27	22°♈47'22	
	-4977 Aug 23 j 14:20	0°♉	
retrograde	-4977 Sep 19 j 15:08	0°♉40'29	
	-4977 Oct 16 j 18:59	30°℞♈	
opposition	-4977 Nov 25 j 04:22	27°♈14'36	-1°16'25
min. Earth dist.	-4977 Nov 24 j 13:56	27°♈17'33	8.22960 AU
direct	-4976 Feb 01 j 11:11	23°♈45'09	
	-4976 May 02 j 20:02	0°♉	
evening set	-4976 May 17 j 20:54	1°♉48'41	
conjunction	-4976 Jun 04 j 20:43	4°♉03'54	-0°45'37
minimum elong	-4976 Jun 04 j 20:46	4°♉03'55	0°45'29
max. Earth dist.	-4976 Jun 05 j 14:31	4°♉09'31	10.30649 AU
morning rise	-4976 Jun 22 j 16:11	6°♉17'43	
retrograde	-4976 Oct 01 j 17:51	13°♉56'53	
opposition	-4976 Dec 07 j 14:03	10°♉33'04	-0°37'01
min. Earth dist.	-4976 Dec 07 j 01:46	10°♉35'32	8.38409 AU
direct	-4975 Feb 14 j 14:13	7°♉04'40	
evening set	-4975 May 31 j 20:07	14°♉57'45	
	-4975 Jun 01 j 03:34	15°♉	
conjunction	-4975 Jun 18 j 16:10	17°♉09'32	-0°13'30
minimum elong	-4975 Jun 18 j 16:11	17°♉09'32	0°13'19
behind sun begin	-4975 Jun 18 j 12:06	17°♉08'17	
behind sun end	-4975 Jun 18 j 20:15	17°♉10'47	
max. Earth dist.	-4975 Jun 19 j 06:43	17°♉14'02	10.46529 AU
morning rise	-4975 Jul 06 j 07:17	19°♉19'47	
retrograde	-4975 Oct 14 j 09:15	26°♉45'56	
asc. node	-4975 Nov 23 j 22:33	25°♉22'18	
opposition	-4975 Dec 20 j 15:09	23°♉24'08	0°02'48
min. Earth dist.	-4975 Dec 20 j 05:17	23°♉26'04	8.54451 AU
direct	-4974 Feb 28 j 08:27	19°♉57'01	
evening set	-4974 Jun 14 j 06:20	27°♉39'28	
conjunction	-4974 Jul 01 j 21:42	29°♉47'43	0°18'22
minimum elong	-4974 Jul 01 j 21:41	29°♉47'42	0°18'36
max. Earth dist.	-4974 Jul 02 j 08:21	29°♉50'57	10.62554 AU
	-4974 Jul 03 j 14:01	0°♊	
morning rise	-4974 Jul 19 j 07:57	1°♊54'22	

Attention, astronomical year style is used: The year -4974 in astronomical counting style is the year 4975 BCE in historical counting style.

retrograde	-4974 Oct 26 j 16:02	9°♊08'57		
opposition	-4973 Jan 02 j 08:02	5°♊49'00	0°41'01	
min. Earth dist.	-4973 Jan 02 j 00:23	5°♊50'30	8.70277 AU	
direct	-4973 Mar 13 j 16:13	2°♊23'19		
evening set	-4973 Jun 27 j 04:08	9°♊55'31		
conjunction	-4973 Jul 14 j 14:28	12°♊00'20	0°48'23	
minimum elong	-4973 Jul 14 j 14:26	12°♊00'19	0°48'37	
max. Earth dist.	-4973 Jul 14 j 21:33	12°♊02'28	10.77964 AU	
morning rise	-4973 Jul 31 j 19:33	14°♊03'33		
retrograde	-4973 Nov 07 j 14:02	21°♊08'19		
opposition	-4972 Jan 14 j 17:30	17°♊49'58	1°16'05	
min. Earth dist.	-4972 Jan 14 j 12:03	17°♊51'01	8.85162 AU	
direct	-4972 Mar 25 j 15:13	14°♊25'43		
evening set	-4972 Jul 08 j 14:32	21°♊48'29		
conjunction	-4972 Jul 25 j 19:42	23°♊50'06	1°15'28	
minimum elong	-4972 Jul 25 j 19:39	23°♊50'05	1°15'44	
max. Earth dist.	-4972 Jul 25 j 23:50	23°♊51'19	10.92076 AU	
morning rise	-4972 Aug 11 j 19:34	25°♊50'12		
	-4972 Sep 20 j 14:31	0°♋		
retrograde	-4972 Nov 18 j 07:05	2°♋47'01		
	-4971 Jan 19 j 04:58	30°℞♊		
opposition	-4971 Jan 25 j 20:49	29°♊30'01	1°46'53	
min. Earth dist.	-4971 Jan 25 j 18:41	29°♊30'25	8.98458 AU	
direct	-4971 Apr 07 j 05:04	26°♊07'08		
	-4971 Jun 19 j 05:25	0°♋		
evening set	-4971 Jul 20 j 14:51	3°♋21'32		
conjunction	-4971 Aug 06 j 14:50	5°♋20'18	1°38'49	
minimum elong	-4971 Aug 06 j 14:47	5°♋20'18	1°39'05	
max. Earth dist.	-4971 Aug 06 j 15:09	5°♋20'24	11.04297 AU	
morning rise	-4971 Aug 23 j 09:51	7°♋17'41		
retrograde	-4971 Nov 29 j 17:58	14°♋08'30		
opposition	-4970 Feb 06 j 19:11	10°♋52'32	2°12'37	
min. Earth dist.	-4970 Feb 06 j 20:55	10°♋52'13	9.09621 AU	
direct	-4970 Apr 19 j 09:32	7°♋30'54		
evening set	-4970 Aug 01 j 06:35	14°♋38'14		
conjunction	-4970 Aug 18 j 01:43	16°♋34'38	1°57'50	
minimum elong	-4970 Aug 18 j 01:40	16°♋34'37	1°58'06	
max. Earth dist.	-4970 Aug 17 j 21:19	16°♋33'21	11.14148 AU	
morning rise	-4970 Sep 03 j 16:39	18°♋29'50		
retrograde	-4970 Dec 11 j 00:39	25°♋16'39		
opposition	-4969 Feb 18 j 13:41	22°♋01'21	2°32'48	
min. Earth dist.	-4969 Feb 18 j 18:51	22°♋00'24	9.18207 AU	
direct	-4969 May 01 j 10:16	18°♋40'49		
evening set	-4969 Aug 12 j 15:06	25°♋42'31		
conjunction	-4969 Aug 29 j 06:12	27°♋37'05	2°12'07	
minimum elong	-4969 Aug 29 j 06:10	27°♋37'04	2°12'22	
max. Earth dist.	-4969 Aug 28 j 22:02	27°♋34'44	11.21259 AU	
morning rise	-4969 Sep 14 j 17:47	29°♋30'40		
	-4969 Sep 19 j 02:08	0°♌		
retrograde	-4969 Dec 22 j 07:51	6°♌15'28		
opposition	-4968 Mar 01 j 05:43	3°♌00'29	2°47'05	
min. Earth dist.	-4968 Mar 01 j 13:12	2°♌59'07	9.23907 AU	
	-4968 Apr 21 j 21:03	30°℞♋		
direct	-4968 May 12 j 04:50	29°♋40'56		
	-4968 Jun 01 j 07:08	0°♌		
evening set	-4968 Aug 22 j 18:25	6°♌38'26		
conjunction	-4968 Sep 08 j 06:24	8°♌31'46	2°21'25	
minimum elong	-4968 Sep 08 j 06:23	8°♌31'45	2°21'38	
max. Earth dist.	-4968 Sep 07 j 19:58	8°♌28'45	11.25423 AU	
morning rise	-4968 Sep 24 j 15:21	10°♌24'19		
	-4968 Nov 10 j 04:25	15°♌		

retrograde	-4967 Jan 01 j 14:14	17°♌08'57		
	-4967 Feb 25 j 10:21	15°℞♌		
opposition	-4967 Mar 12 j 20:45	13°♌53'57	2°55'16	
min. Earth dist.	-4967 Mar 13 j 06:45	13°♌52'08	9.26599 AU	
direct	-4967 May 23 j 18:07	10°♌35'08		
	-4967 Aug 10 j 12:21	15°♌		
evening set	-4967 Sep 02 j 18:17	17°♌29'51		
conjunction	-4967 Sep 19 j 03:55	19°♌22'31	2°25'35	
minimum elong	-4967 Sep 19 j 03:55	19°♌22'31	2°25'46	
max. Earth dist.	-4967 Sep 18 j 14:45	19°♌18'43	11.26585 AU	
morning rise	-4967 Oct 05 j 11:24	21°♌14'39		
retrograde	-4966 Jan 12 j 22:22	28°♌00'54		
opposition	-4966 Mar 24 j 12:14	24°♌45'30	2°57'12	
min. Earth dist.	-4966 Mar 25 j 01:05	24°♌43'10	9.26270 AU	
direct	-4966 Jun 04 j 05:41	21°♌27'11		
evening set	-4966 Sep 13 j 16:11	28°♌20'31		
	-4966 Sep 28 j 03:05	0°♍		
max. Earth dist.	-4966 Sep 29 j 08:20	0°♍08'27	11.24763 AU	
conjunction	-4966 Sep 30 j 00:26	0°♍13'07	2°24'32	
minimum elong	-4966 Sep 30 j 00:27	0°♍13'07	2°24'41	
morning rise	-4966 Oct 16 j 07:40	2°♍05'28		
retrograde	-4965 Jan 24 j 07:52	8°♍55'02		
opposition	-4965 Apr 05 j 05:06	5°♍38'52	2°52'51	
min. Earth dist.	-4965 Apr 05 j 19:50	5°♍36'11	9.22955 AU	
direct	-4965 Jun 15 j 16:10	2°♍20'47		
evening set	-4965 Sep 24 j 14:02	9°♍14'13		
conjunction	-4965 Oct 10 j 22:06	11°♍07'20	2°18'15	
minimum elong	-4965 Oct 10 j 22:08	11°♍07'21	2°18'21	
max. Earth dist.	-4965 Oct 10 j 04:59	11°♍02'22	11.20020 AU	
morning rise	-4965 Oct 27 j 05:57	13°♍00'29		
retrograde	-4964 Feb 05 j 00:18	19°♍55'04		
opposition	-4964 Apr 16 j 00:26	16°♍37'50	2°42'13	
min. Earth dist.	-4964 Apr 16 j 15:45	16°♍35'02	9.16762 AU	
direct	-4964 Jun 26 j 04:32	13°♍19'45		
evening set	-4964 Oct 04 j 13:40	20°♍14'45		
conjunction	-4964 Oct 20 j 22:33	22°♍09'01	2°06'48	
minimum elong	-4964 Oct 20 j 22:36	22°♍09'02	2°06'51	
max. Earth dist.	-4964 Oct 20 j 05:14	22°♍03'56	11.12506 AU	
morning rise	-4964 Nov 06 j 07:58	24°♍03'33		
	-4963 Jan 09 j 23:56	0°♎		
retrograde	-4963 Feb 15 j 21:56	1°♎04'49		
	-4963 Mar 25 j 15:36	30°℞♍		
opposition	-4963 Apr 27 j 23:58	27°♍46'15	2°25'22	
min. Earth dist.	-4963 Apr 28 j 15:20	27°♍43'25	9.07896 AU	
direct	-4963 Jul 07 j 16:03	24°♍27'59		
	-4963 Oct 03 j 00:48	0°♎		
evening set	-4963 Oct 15 j 16:58	1°♎26'03		
max. Earth dist.	-4963 Oct 31 j 09:16	3°♎16'37	11.02474 AU	
conjunction	-4963 Nov 01 j 03:28	3°♎22'01	1°50'20	
minimum elong	-4963 Nov 01 j 03:31	3°♎22'01	1°50'21	
morning rise	-4963 Nov 17 j 15:35	5°♎18'32		
retrograde	-4962 Feb 28 j 02:58	12°♎28'05		
opposition	-4962 May 10 j 04:44	9°♎08'00	2°02'33	
min. Earth dist.	-4962 May 10 j 20:32	9°♎05'04	8.96656 AU	
direct	-4962 Jul 19 j 07:46	5°♎49'17		
evening set	-4962 Oct 27 j 02:07	12°♎52'04		
conjunction	-4962 Nov 12 j 15:05	14°♎50'15	1°29'10	
minimum elong	-4962 Nov 12 j 15:08	14°♎50'16	1°29'07	
max. Earth dist.	-4962 Nov 11 j 20:42	14°♎44'44	10.90258 AU	
morning rise	-4962 Nov 29 j 06:48	16°♎49'18		
retrograde	-4961 Mar 12 j 16:10	24°♎08'38		

Attention, astronomical year style is used: The year -4961 in astronomical counting style is the year 4962 BCE in historical counting style.

opposition	-4961 May 22 j 15:32	20°♎46'53	1°34'07
min. Earth dist.	-4961 May 23 j 07:01	20°♎43'58	8.83433 AU
direct	-4961 Jul 31 j 03:59	17°♎27'31	
evening set	-4961 Nov 07 j 18:55	24°♎36'37	
conjunction	-4961 Nov 24 j 11:15	26°♎37'30	1°03'44
minimum elong	-4961 Nov 24 j 11:17	26°♎37'31	1°03'38
max. Earth dist.	-4961 Nov 23 j 18:23	26°♎32'23	10.76279 AU
morning rise	-4961 Dec 11 j 07:03	28°♎39'32	
	-4961 Dec 22 j 18:21	0°♏	
retrograde	-4960 Mar 24 j 15:05	6°♏10'05	
opposition	-4960 Jun 03 j 09:44	2°♏46'31	1°00'43
min. Earth dist.	-4960 Jun 03 j 23:28	2°♏43'54	8.68708 AU
	-4960 Jul 16 j 12:16	30°℞♎	
direct	-4960 Aug 11 j 07:40	29°♎26'22	
	-4960 Sep 05 j 16:01	0°♏	
evening set	-4960 Nov 18 j 21:21	6°♏43'19	
conjunction	-4960 Dec 05 j 17:35	8°♏47'18	0°34'47
minimum elong	-4960 Dec 05 j 17:36	8°♏47'19	0°34'37
max. Earth dist.	-4960 Dec 05 j 03:14	8°♏42'52	10.61065 AU
morning rise	-4960 Dec 22 j 17:52	10°♏52'39	
	-4959 Jan 28 j 21:27	15°♏	
retrograde	-4959 Apr 07 j 02:19	18°♏35'33	
opposition	-4959 Jun 16 j 12:06	15°♏10'09	0°23'19
min. Earth dist.	-4959 Jun 16 j 22:58	15°♏08'03	8.53085 AU
	-4959 Jun 18 j 16:45	15°℞♏	
direct	-4959 Aug 23 j 18:09	11°♏49'03	
	-4959 Oct 24 j 09:06	15°♏	
evening set	-4959 Dec 01 j 11:37	19°♏15'16	
conjunction	-4959 Dec 18 j 12:01	21°♏22'38	0°03'19
minimum elong	-4959 Dec 18 j 12:01	21°♏22'38	0°03'08
behind sun begin	-4959 Dec 18 j 04:56	21°♏20'26	
behind sun end	-4959 Dec 18 j 19:05	21°♏24'50	
max. Earth dist.	-4959 Dec 17 j 23:55	21°♏18'51	10.45274 AU
morning rise	-4958 Jan 04 j 17:08	23°♏31'35	
desc. node	-4958 Jan 25 j 13:27	25°♏59'40	
	-4958 Mar 09 j 23:38	0°♐	
retrograde	-4958 Apr 21 j 01:08	1°♐27'24	
	-4958 Jun 02 j 17:49	30°℞♏	
opposition	-4958 Jun 29 j 23:03	28°♏00'16	-0°16'40
min. Earth dist.	-4958 Jun 30 j 07:12	27°♏58'40	8.37280 AU
direct	-4958 Sep 05 j 11:30	24°♏38'01	
	-4958 Nov 26 j 00:14	0°♐	
evening set	-4958 Dec 14 j 15:10	2°♐14'47	
conjunction	-4958 Dec 31 j 19:50	4°♐25'38	-0°29'26
minimum elong	-4958 Dec 31 j 19:48	4°♐25'38	0°29'40
max. Earth dist.	-4958 Dec 31 j 10:28	4°♐22'39	10.29664 AU
morning rise	-4957 Jan 18 j 05:50	6°♐38'14	
retrograde	-4957 May 05 j 09:03	14°♐46'59	
opposition	-4957 Jul 13 j 18:53	11°♐18'16	-0°57'19
min. Earth dist.	-4957 Jul 14 j 00:08	11°♐17'13	8.22099 AU
direct	-4957 Sep 18 j 16:52	7°♐54'46	
evening set	-4957 Dec 28 j 08:47	15°♐42'52	
conjunction	-4956 Jan 14 j 17:43	17°♐57'09	-1°01'31
minimum elong	-4956 Jan 14 j 17:40	17°♐57'08	1°01'47
max. Earth dist.	-4956 Jan 14 j 12:15	17°♐55'22	10.15071 AU
morning rise	-4956 Feb 01 j 08:13	20°♐13'13	
retrograde	-4956 May 19 j 02:13	28°♐34'07	
opposition	-4956 Jul 26 j 23:04	25°♐04'03	-1°36'11
min. Earth dist.	-4956 Jul 27 j 01:03	25°♐03'39	8.08410 AU
direct	-4956 Oct 01 j 08:57	21°♐39'15	
evening set	-4955 Jan 10 j 16:53	29°♐38'48	
	-4955 Jan 13 j 10:36	0°♑	

conjunction	-4955 Jan 28 j 06:01	1°♑56'15	-1°30'59
minimum elong	-4955 Jan 28 j 05:57	1°♑56'13	1°31'14
max. Earth dist.	-4955 Jan 28 j 05:39	1°♑56'08	10.02380 AU
morning rise	-4955 Feb 15 j 00:29	4°♑15'26	
retrograde	-4955 Jun 03 j 03:46	12°♑46'33	
opposition	-4955 Aug 10 j 10:27	9°♑15'28	-2°10'31
min. Earth dist.	-4955 Aug 10 j 08:36	9°♑15'50	7.97077 AU
direct	-4955 Oct 15 j 10:34	5°♑49'22	
evening set	-4954 Jan 25 j 14:28	13°♑59'38	
conjunction	-4954 Feb 12 j 07:31	16°♑19'46	-1°55'34
minimum elong	-4954 Feb 12 j 07:28	16°♑19'45	1°55'49
max. Earth dist.	-4954 Feb 12 j 12:41	16°♑21'29	9.92430 AU
morning rise	-4954 Mar 02 j 05:17	18°♑41'28	
retrograde	-4954 Jun 18 j 10:45	27°♑19'47	
opposition	-4954 Aug 25 j 03:22	23°♑48'05	-2°37'24
min. Earth dist.	-4954 Aug 24 j 21:23	23°♑49'19	7.88858 AU
direct	-4954 Oct 29 j 21:05	20°♑20'46	
evening set	-4953 Feb 09 j 23:19	28°♑40'01	
	-4953 Feb 20 j 01:26	0°♒	
conjunction	-4953 Feb 27 j 19:48	1°♒02'11	-2°13'11
minimum elong	-4953 Feb 27 j 19:45	1°♒02'10	2°13'25
max. Earth dist.	-4953 Feb 28 j 06:12	1°♒05'39	9.85924 AU
morning rise	-4953 Mar 17 j 20:04	3°♒25'35	
retrograde	-4953 Jul 03 j 19:49	12°♒07'07	
opposition	-4953 Sep 08 j 23:24	8°♒35'15	-2°54'22
min. Earth dist.	-4953 Sep 08 j 13:41	8°♒37'17	7.84336 AU
direct	-4953 Nov 13 j 15:39	5°♒06'52	
evening set	-4952 Feb 25 j 15:49	13°♒32'23	
	-4952 Mar 07 j 16:27	15°♒	
conjunction	-4952 Mar 14 j 15:14	15°♒55'44	-2°22'12
minimum elong	-4952 Mar 14 j 15:13	15°♒55'44	2°22'23
max. Earth dist.	-4952 Mar 15 j 06:10	16°♒00'44	9.83348 AU
morning rise	-4952 Apr 01 j 17:18	18°♒19'56	
retrograde	-4952 Jul 18 j 02:39	27°♒00'09	
opposition	-4952 Sep 22 j 19:53	23°♒28'34	-2°59'44
min. Earth dist.	-4952 Sep 22 j 07:20	23°♒31'13	7.83824 AU
direct	-4952 Nov 27 j 15:31	19°♒59'18	
evening set	-4951 Mar 12 j 11:36	28°♒27'40	
	-4951 Mar 24 j 03:18	0°♓	
conjunction	-4951 Mar 30 j 13:22	0°♓51'19	-2°21'45
minimum elong	-4951 Mar 30 j 13:23	0°♓51'19	2°21'53
max. Earth dist.	-4951 Mar 31 j 07:24	0°♓57'20	9.84847 AU
morning rise	-4951 Apr 17 j 16:28	3°♓15'22	
retrograde	-4951 Aug 02 j 03:33	11°♓49'47	
opposition	-4951 Oct 07 j 14:04	8°♓18'58	-2°53'01
min. Earth dist.	-4951 Oct 07 j 00:05	8°♓21'54	7.87263 AU
direct	-4951 Dec 12 j 17:35	4°♓49'05	
evening set	-4950 Mar 28 j 06:17	13°♓16'44	
conjunction	-4950 Apr 15 j 09:30	15°♓39'46	-2°11'57
minimum elong	-4950 Apr 15 j 09:33	15°♓39'47	2°12'01
max. Earth dist.	-4950 Apr 16 j 04:42	15°♓46'07	9.90178 AU
morning rise	-4950 May 03 j 12:44	18°♓02'45	
retrograde	-4950 Aug 16 j 20:13	26°♓27'43	
opposition	-4950 Oct 22 j 03:24	22°♓58'07	-2°35'03
min. Earth dist.	-4950 Oct 21 j 13:19	23°♓01'04	7.94275 AU
direct	-4950 Dec 27 j 18:35	19°♓28'00	
evening set	-4949 Apr 12 j 19:38	27°♓51'42	
	-4949 Apr 29 j 06:34	0°♈	
conjunction	-4949 Apr 30 j 23:18	0°♈13'20	-1°53'49
minimum elong	-4949 Apr 30 j 23:23	0°♈13'21	1°53'49
max. Earth dist.	-4949 May 01 j 18:13	0°♈19'31	9.98868 AU

Attention, astronomical year style is used: The year -4949 in astronomical counting style is the year 4950 BCE in historical counting style.

morning rise	-4949 May 19 j 01:41	2°♈34'26	
retrograde	-4949 Aug 31 j 03:03	10°♈47'28	
opposition	-4949 Nov 05 j 10:13	7°♈19'25	-2°07'39
min. Earth dist.	-4949 Nov 04 j 20:27	7°♈22'16	8.04369 AU
direct	-4948 Jan 11 j 15:49	3°♈49'26	
evening set	-4948 Apr 27 j 00:20	12°♈06'27	
conjunction	-4948 May 15 j 03:20	14°♈25'56	-1°29'03
minimum elong	-4948 May 15 j 03:24	14°♈25'57	1°28'59
max. Earth dist.	-4948 May 15 j 21:13	14°♈31'42	10.10379 AU
morning rise	-4948 Jun 02 j 03:49	16°♈44'29	
retrograde	-4948 Sep 12 j 22:46	24°♈44'05	
opposition	-4948 Nov 18 j 09:08	21°♈17'46	-1°33'21
min. Earth dist.	-4948 Nov 17 j 19:56	21°♈20'28	8.16968 AU
direct	-4947 Jan 25 j 08:03	17°♈48'18	
evening set	-4947 May 11 j 18:20	25°♈56'34	
conjunction	-4947 May 29 j 19:24	28°♈13'14	-0°59'43
minimum elong	-4947 May 29 j 19:27	28°♈13'15	0°59'36
max. Earth dist.	-4947 May 30 j 11:33	28°♈18'22	10.24042 AU
	-4947 Jun 12 j 20:56	0°♉	
morning rise	-4947 Jun 16 j 16:48	0°♉28'40	
retrograde	-4947 Sep 26 j 06:06	8°♉14'23	
opposition	-4947 Dec 01 j 23:18	4°♉49'55	-0°54'56
min. Earth dist.	-4947 Dec 01 j 10:52	4°♉52'26	8.31353 AU
direct	-4946 Feb 08 j 16:25	1°♉21'14	
evening set	-4946 May 25 j 23:55	9°♉19'27	
conjunction	-4946 Jun 12 j 21:52	11°♉32'54	-0°28'00
minimum elong	-4946 Jun 12 j 21:53	11°♉32'54	0°27'50
max. Earth dist.	-4946 Jun 13 j 12:07	11°♉37'21	10.39071 AU
morning rise	-4946 Jun 30 j 15:11	13°♉44'52	
	-4946 Jul 11 j 01:03	15°♉	
retrograde	-4946 Oct 09 j 03:31	21°♉17'14	
opposition	-4946 Dec 15 j 04:48	17°♉54'35	-0°15'00
min. Earth dist.	-4946 Dec 14 j 17:52	17°♉56'45	8.46720 AU
	-4945 Jan 28 j 00:20	15℞♉	
direct	-4945 Feb 22 j 14:53	14°♉26'54	
	-4945 Mar 20 j 03:37	15°♉	
asc. node	-4945 May 07 j 06:12	18°♉35'58	
evening set	-4945 Jun 08 j 16:22	22°♉14'32	
conjunction	-4945 Jun 26 j 10:12	24°♉24'32	0°04'17
minimum elong	-4945 Jun 26 j 10:12	24°♉24'32	0°04'29
behind sun begin	-4945 Jun 26 j 03:07	24°♉22'23	
behind sun end	-4945 Jun 26 j 17:16	24°♉26'41	
max. Earth dist.	-4945 Jun 26 j 22:14	24°♉28'13	10.54640 AU
morning rise	-4945 Jul 13 j 22:44	26°♉32'56	
	-4945 Aug 13 j 15:36	0°♊	
retrograde	-4945 Oct 21 j 15:55	3°♊53'05	
opposition	-4945 Dec 28 j 01:46	0°♊32'09	0°24'12
min. Earth dist.	-4945 Dec 27 j 17:29	0°♊33'46	8.62264 AU
	-4944 Jan 03 j 22:49	30℞♉	
direct	-4944 Mar 07 j 02:24	27°♉05'38	
	-4944 May 07 j 08:52	0°♊	
evening set	-4944 Jun 20 j 20:17	4°♊42'51	
conjunction	-4944 Jul 08 j 09:11	6°♊49'23	0°35'15
minimum elong	-4944 Jul 08 j 09:09	6°♊49'23	0°35'29
max. Earth dist.	-4944 Jul 08 j 17:42	6°♊51'58	10.69964 AU
morning rise	-4944 Jul 25 j 16:37	8°♊54'18	
retrograde	-4944 Nov 01 j 17:09	16°♊03'46	
opposition	-4943 Jan 08 j 14:49	12°♊44'26	1°00'54
min. Earth dist.	-4943 Jan 08 j 09:48	12°♊45'24	8.77235 AU
direct	-4943 Mar 20 j 06:08	9°♊19'08	
evening set	-4943 Jul 03 j 12:15	16°♊46'37	

conjunction	-4943 Jul 20 j 19:48	18°♊49'49	1°03'48
minimum elong	-4943 Jul 20 j 19:45	18°♊49'48	1°04'03
max. Earth dist.	-4943 Jul 21 j 00:01	18°♊51'05	10.84350 AU
morning rise	-4943 Aug 06 j 22:08	20°♊51'29	
retrograde	-4943 Nov 13 j 11:37	27°♊52'10	
opposition	-4942 Jan 20 j 21:11	24°♊34'09	1°33'47
min. Earth dist.	-4942 Jan 20 j 18:53	24°♊34'35	8.90986 AU
direct	-4942 Apr 02 j 01:11	21°♊10'07	
evening set	-4942 Jul 15 j 17:07	28°♊28'46	
	-4942 Jul 28 j 17:17	0°♋	
conjunction	-4942 Aug 01 j 19:24	0°♋28'58	1°28'56
minimum elong	-4942 Aug 01 j 19:21	0°♋28'57	1°29'12
max. Earth dist.	-4942 Aug 01 j 19:56	0°♋29'07	10.97216 AU
morning rise	-4942 Aug 18 j 16:49	2°♋27'43	
retrograde	-4942 Nov 25 j 00:52	9°♋21'34	
opposition	-4941 Feb 01 j 21:48	6°♋04'37	2°01'54
min. Earth dist.	-4941 Feb 01 j 21:40	6°♋04'38	9.02970 AU
direct	-4941 Apr 14 j 10:45	2°♋41'51	
evening set	-4941 Jul 27 j 12:37	9°♋52'48	
conjunction	-4941 Aug 13 j 10:05	11°♋50'25	1°49'58
minimum elong	-4941 Aug 13 j 10:02	11°♋50'24	1°50'14
max. Earth dist.	-4941 Aug 13 j 08:04	11°♋49'50	11.08084 AU
morning rise	-4941 Aug 30 j 02:55	13°♋46'44	
retrograde	-4941 Dec 06 j 10:37	20°♋35'39	
opposition	-4940 Feb 13 j 17:52	17°♋19'31	2°24'39
min. Earth dist.	-4940 Feb 13 j 20:28	17°♋19'02	9.12760 AU
direct	-4940 Apr 25 j 13:22	13°♋57'56	
evening set	-4940 Aug 07 j 00:24	21°♋02'33	
conjunction	-4940 Aug 23 j 17:29	22°♋58'04	2°06'25
minimum elong	-4940 Aug 23 j 17:27	22°♋58'03	2°06'41
max. Earth dist.	-4940 Aug 23 j 12:28	22°♋56'36	11.16586 AU
morning rise	-4940 Sep 09 j 06:27	24°♋52'28	
	-4940 Nov 01 j 14:27	0°♌	
retrograde	-4940 Dec 16 j 17:30	1°♌38'21	
	-4939 Feb 01 j 09:01	30℞♋	
opposition	-4939 Feb 24 j 11:04	28°♋22'45	2°41'37
min. Earth dist.	-4939 Feb 24 j 17:05	28°♋21'38	9.20031 AU
direct	-4939 May 07 j 08:41	25°♋02'16	
	-4939 Jul 30 j 14:40	0°♌	
evening set	-4939 Aug 18 j 05:59	2°♌01'53	
conjunction	-4939 Sep 03 j 19:16	3°♌55'50	2°17'59
minimum elong	-4939 Sep 03 j 19:14	3°♌55'49	2°18'13
max. Earth dist.	-4939 Sep 03 j 10:24	3°♌53'16	11.22457 AU
morning rise	-4939 Sep 20 j 05:24	5°♌48'55	
retrograde	-4939 Dec 27 j 22:03	12°♌33'39	
opposition	-4938 Mar 08 j 02:31	9°♌18'16	2°52'31
min. Earth dist.	-4938 Mar 08 j 11:08	9°♌16'42	9.24558 AU
direct	-4938 May 19 j 00:23	5°♌58'44	
evening set	-4938 Aug 29 j 07:06	12°♌54'46	
conjunction	-4938 Sep 14 j 17:39	14°♌47'44	2°24'26
minimum elong	-4938 Sep 14 j 17:38	14°♌47'44	2°24'38
max. Earth dist.	-4938 Sep 14 j 06:21	14°♌44'28	11.25523 AU
	-4938 Sep 16 j 12:11	15°♌	
morning rise	-4938 Oct 01 j 01:51	16°♌40'03	
retrograde	-4937 Jan 08 j 06:00	23°♌25'27	
opposition	-4937 Mar 19 j 17:20	20°♌09'59	2°57'12
min. Earth dist.	-4937 Mar 20 j 03:31	20°♌08'07	9.26194 AU
direct	-4937 May 30 j 14:08	16°♌51'14	
evening set	-4937 Sep 09 j 05:26	23°♌45'05	
conjunction	-4937 Sep 25 j 14:21	25°♌37'40	2°25'42
minimum elong	-4937 Sep 25 j 14:21	25°♌37'40	2°25'51

Attention, astronomical year style is used: The year -4937 in astronomical counting style is the year 4938 BCE in historical counting style.

max. Earth dist.	-4937 Sep 25 j 01:45	25°♌34'02	11.25677 AU
morning rise	-4937 Oct 11 j 21:31	27°♌29'51	
	-4937 Nov 04 j 03:18	0°♍	
retrograde	-4936 Jan 19 j 15:14	4°♍17'38	
opposition	-4936 Mar 30 j 09:06	1°♍01'45	2°55'36
min. Earth dist.	-4936 Mar 30 j 20:47	0°♍59'38	9.24872 AU
	-4936 Apr 13 j 18:47	30°℞♌	
direct	-4936 Jun 09 j 23:45	27°♌43'36	
	-4936 Aug 03 j 15:57	0°♍	
evening set	-4936 Sep 19 j 02:59	4°♍36'43	
conjunction	-4936 Oct 05 j 11:03	6°♍29'30	2°21'42
minimum elong	-4936 Oct 05 j 11:05	6°♍29'31	2°21'50
max. Earth dist.	-4936 Oct 04 j 20:27	6°♍25'16	11.22906 AU
morning rise	-4936 Oct 21 j 18:21	8°♍22'09	
retrograde	-4935 Jan 30 j 05:17	15°♍14'01	
opposition	-4935 Apr 11 j 03:09	11°♍57'28	2°47'42
min. Earth dist.	-4935 Apr 11 j 16:51	11°♍54'59	9.20639 AU
direct	-4935 Jun 21 j 10:03	8°♍39'39	
evening set	-4935 Sep 30 j 01:31	15°♍33'29	
conjunction	-4935 Oct 16 j 09:43	17°♍27'04	2°12'31
minimum elong	-4935 Oct 16 j 09:46	17°♍27'05	2°12'36
max. Earth dist.	-4935 Oct 15 j 17:12	17°♍22'15	11.17307 AU
morning rise	-4935 Nov 01 j 18:21	19°♍20'49	
retrograde	-4934 Feb 10 j 22:00	26°♍18'24	
opposition	-4934 Apr 23 j 00:33	23°♍00'52	2°33'33
min. Earth dist.	-4934 Apr 23 j 15:27	22°♍58'08	9.13635 AU
direct	-4934 Jul 02 j 20:46	19°♍43'07	
evening set	-4934 Oct 11 j 02:40	26°♍39'11	
conjunction	-4934 Oct 27 j 12:13	28°♍34'08	1°58'15
minimum elong	-4934 Oct 27 j 12:16	28°♍34'09	1°58'16
max. Earth dist.	-4934 Oct 26 j 19:28	28°♍29'12	11.09043 AU
	-4934 Nov 08 j 17:02	0°♎	
morning rise	-4934 Nov 12 j 23:02	0°♎29'31	
retrograde	-4933 Feb 22 j 23:34	7°♎34'29	
opposition	-4933 May 05 j 02:21	4°♎15'39	2°13'21
min. Earth dist.	-4933 May 05 j 17:04	4°♎12'57	9.04058 AU
direct	-4933 Jul 14 j 12:17	0°♎57'45	
evening set	-4933 Oct 22 j 08:39	7°♎57'33	
conjunction	-4933 Nov 07 j 20:25	9°♎54'25	1°39'08
minimum elong	-4933 Nov 07 j 20:28	9°♎54'26	1°39'06
max. Earth dist.	-4933 Nov 07 j 04:08	9°♎49'34	10.98345 AU
morning rise	-4933 Nov 24 j 10:09	11°♎52'00	
retrograde	-4932 Mar 06 j 10:06	19°♎05'49	
opposition	-4932 May 16 j 09:45	15°♎45'30	1°47'23
min. Earth dist.	-4932 May 16 j 23:47	15°♎42'53	8.92199 AU
direct	-4932 Jul 25 j 05:38	12°♎27'11	
evening set	-4932 Nov 01 j 21:22	19°♎32'14	
conjunction	-4932 Nov 18 j 11:58	21°♎31'32	1°15'35
minimum elong	-4932 Nov 18 j 12:00	21°♎31'32	1°15'29
max. Earth dist.	-4932 Nov 17 j 19:31	21°♎26'34	10.85555 AU
morning rise	-4932 Dec 05 j 05:32	23°♎31'49	
	-4931 Feb 13 j 03:23	0°♏	
retrograde	-4931 Mar 19 j 03:40	0°♏55'56	
	-4931 Apr 22 j 17:12	30°℞♎	
opposition	-4931 May 29 j 00:02	27°♎33'55	1°16'11
min. Earth dist.	-4931 May 29 j 13:38	27°♎31'21	8.78446 AU
direct	-4931 Aug 06 j 04:02	24°♎14'53	
	-4931 Nov 01 j 09:49	0°♏	
evening set	-4931 Nov 13 j 18:38	1°♏26'51	
conjunction	-4931 Nov 30 j 12:43	3°♏29'00	0°48'11
minimum elong	-4931 Nov 30 j 12:45	3°♏29'01	0°48'02
max. Earth dist.	-4931 Nov 29 j 20:26	3°♏24'01	10.71082 AU
morning rise	-4931 Dec 17 j 10:48	5°♏32'25	
retrograde	-4930 Apr 01 j 08:03	13°♏08'09	
opposition	-4930 Jun 10 j 21:55	9°♏44'20	0°40'34
min. Earth dist.	-4930 Jun 11 j 10:51	9°♏41'52	8.63266 AU
direct	-4930 Aug 18 j 10:52	6°♏24'21	
evening set	-4930 Nov 26 j 02:35	13°♏44'51	
	-4930 Dec 06 j 07:06	15°♏	
max. Earth dist.	-4930 Dec 12 j 10:24	15°♏45'47	10.55457 AU
conjunction	-4930 Dec 13 j 00:45	15°♏50'14	0°17'47
minimum elong	-4930 Dec 13 j 00:46	15°♏50'14	0°17'36
morning rise	-4930 Dec 30 j 03:33	17°♏57'08	
retrograde	-4929 Apr 14 j 23:19	25°♏45'27	
opposition	-4929 Jun 24 j 03:55	22°♏19'49	0°01'43
min. Earth dist.	-4929 Jun 24 j 14:50	22°♏17'42	8.47317 AU
desc. node	-4929 Jul 10 j 06:23	21°♏06'33	
direct	-4929 Aug 31 j 01:08	18°♏58'41	
evening set	-4929 Dec 08 j 22:54	26°♏29'09	
conjunction	-4929 Dec 26 j 01:26	28°♏38'00	-0°14'30
minimum elong	-4929 Dec 26 j 01:26	28°♏38'00	0°14'43
behind sun begin	-4929 Dec 25 j 22:26	28°♏37'04	
behind sun end	-4929 Dec 26 j 04:25	28°♏38'56	
max. Earth dist.	-4929 Dec 25 j 14:19	28°♏34'30	10.39434 AU
	-4928 Jan 05 j 21:18	0°♐	
morning rise	-4928 Jan 12 j 08:56	0°♐48'30	
retrograde	-4928 Apr 28 j 01:21	8°♐49'53	
opposition	-4928 Jul 06 j 18:47	5°♐22'26	-0°38'45
min. Earth dist.	-4928 Jul 07 j 02:21	5°♐20'56	8.31439 AU
direct	-4928 Sep 12 j 01:14	2°♐00'00	
evening set	-4928 Dec 21 j 08:49	9°♐41'25	
conjunction	-4927 Jan 07 j 15:44	11°♐53'47	-0°46'59
minimum elong	-4927 Jan 07 j 15:41	11°♐53'46	0°47'13
max. Earth dist.	-4927 Jan 07 j 08:25	11°♐51'26	10.23894 AU
morning rise	-4927 Jan 25 j 03:49	14°♐07'52	
retrograde	-4927 May 12 j 14:12	22°♐21'57	
opposition	-4927 Jul 20 j 18:11	18°♐52'48	-1°18'37
min. Earth dist.	-4927 Jul 20 j 22:00	18°♐52'02	8.16533 AU
direct	-4927 Sep 25 j 10:34	15°♐28'55	
evening set	-4926 Jan 04 j 09:16	23°♐21'50	
conjunction	-4926 Jan 21 j 20:22	25°♐37'31	-1°17'49
minimum elong	-4926 Jan 21 j 20:18	25°♐37'30	1°18'05
max. Earth dist.	-4926 Jan 21 j 16:55	25°♐36'24	10.09746 AU
morning rise	-4926 Feb 08 j 12:45	27°♐54'59	
	-4926 Feb 25 j 07:30	0°♑	
retrograde	-4926 May 27 j 12:07	6°♑20'20	
opposition	-4926 Aug 04 j 01:14	2°♑49'48	-1°55'18
min. Earth dist.	-4926 Aug 04 j 01:28	2°♑49'46	8.03490 AU
	-4926 Sep 14 j 00:00	30°℞♐	
direct	-4926 Oct 09 j 05:39	29°♐24'23	
	-4926 Nov 03 j 06:19	0°♑	
evening set	-4925 Jan 18 j 23:40	7°♑28'36	
conjunction	-4925 Feb 05 j 14:41	9°♑47'15	-1°44'53
minimum elong	-4925 Feb 05 j 14:38	9°♑47'14	1°45'08
max. Earth dist.	-4925 Feb 05 j 15:23	9°♑47'29	9.97871 AU
morning rise	-4925 Feb 23 j 10:48	12°♑07'35	
retrograde	-4925 Jun 11 j 16:18	20°♑41'51	
opposition	-4925 Aug 18 j 14:51	17°♑10'18	-2°25'57
min. Earth dist.	-4925 Aug 18 j 11:49	17°♑10'56	7.93143 AU
direct	-4925 Oct 23 j 11:10	13°♑43'23	
evening set	-4924 Feb 03 j 02:14	21°♑57'43	
conjunction	-4924 Feb 20 j 20:51	24°♑18'47	-2°05'58

Attention, astronomical year style is used: The year -4924 in astronomical counting style is the year 4925 BCE in historical counting style.

minimum elong	-4924 Feb 20 j 20:48	24°♒18'46	2°06'12
max. Earth dist.	-4924 Feb 21 j 02:18	24°♒20'36	9.89063 AU
morning rise	-4924 Mar 09 j 20:00	26°♒41'19	
	-4924 Apr 05 j 12:35	0°♓	
retrograde	-4924 Jun 25 j 23:39	5°♓21'05	
opposition	-4924 Sep 01 j 08:56	1°♓48'57	-2°47'50
min. Earth dist.	-4924 Sep 01 j 02:41	1°♓50'15	7.86188 AU
	-4924 Sep 24 j 06:43	30°♑♒	
direct	-4924 Nov 06 j 02:20	28°♒20'41	
	-4924 Dec 18 j 03:19	0°♓	
evening set	-4923 Feb 17 j 14:33	6°♓42'59	
conjunction	-4923 Mar 07 j 12:27	9°♓05'46	-2°19'11
minimum elong	-4923 Mar 07 j 12:25	9°♓05'45	2°19'23
max. Earth dist.	-4923 Mar 07 j 22:31	9°♓09'08	9.83939 AU
morning rise	-4923 Mar 25 j 13:53	11°♓29'39	
	-4923 Apr 22 j 19:45	15°♓	
retrograde	-4923 Jul 11 j 06:04	20°♓10'40	
opposition	-4923 Sep 16 j 04:50	16°♓38'28	-2°58'51
min. Earth dist.	-4923 Sep 15 j 19:37	16°♓40'24	7.83104 AU
	-4923 Oct 06 j 13:06	15°♑♓	
direct	-4923 Nov 20 j 23:55	13°♓09'04	
	-4922 Jan 04 j 14:25	15°♓	
evening set	-4922 Mar 05 j 08:40	21°♓36'21	
conjunction	-4922 Mar 23 j 09:19	23°♓59'59	-2°23'17
minimum elong	-4922 Mar 23 j 09:20	23°♓59'59	2°23'26
max. Earth dist.	-4922 Mar 23 j 23:25	24°♓04'42	9.82861 AU
morning rise	-4922 Apr 10 j 12:13	26°♓24'17	
	-4922 May 09 j 13:16	0°♓	
retrograde	-4922 Jul 26 j 08:57	5°♓02'04	
opposition	-4922 Oct 01 j 00:05	1°♓30'20	-2°57'54
min. Earth dist.	-4922 Sep 30 j 12:13	1°♓32'49	7.84091 AU
	-4922 Oct 19 j 11:44	30°♑♓	
direct	-4922 Dec 06 j 00:40	28°♓00'07	
	-4921 Jan 21 j 17:50	0°♓	
evening set	-4921 Mar 21 j 03:57	6°♓28'47	
conjunction	-4921 Apr 08 j 06:38	8°♓52'22	-2°17'52
minimum elong	-4921 Apr 08 j 06:40	8°♓52'22	2°17'58
max. Earth dist.	-4921 Apr 09 j 00:02	8°♓58'09	9.85892 AU
morning rise	-4921 Apr 26 j 10:04	11°♓16'07	
retrograde	-4921 Aug 10 j 05:54	19°♓46'31	
opposition	-4921 Oct 15 j 15:57	16°♓15'41	-2°45'08
min. Earth dist.	-4921 Oct 15 j 01:55	16°♓18'38	7.89060 AU
direct	-4921 Dec 21 j 01:58	12°♓45'04	
evening set	-4920 Apr 04 j 20:11	21°♓11'29	
conjunction	-4920 Apr 22 j 24:00	23°♓34'06	-2°03'31
minimum elong	-4920 Apr 23 j 00:04	23°♓34'07	2°03'33
max. Earth dist.	-4920 Apr 23 j 19:30	23°♓40'31	9.92796 AU
morning rise	-4920 May 11 j 03:01	25°♓56'24	
	-4920 Jun 13 j 21:57	0°♈	
retrograde	-4920 Aug 23 j 18:22	4°♈16'02	
min. Earth dist.	-4920 Oct 28 j 11:08	0°♈49'40	7.97646 AU
opposition	-4920 Oct 29 j 02:04	0°♈46'33	-2°21'55
	-4920 Nov 07 j 11:13	30°♑♓	
direct	-4919 Jan 04 j 00:39	27°♓15'54	
	-4919 Mar 01 j 08:04	0°♈	
evening set	-4919 Apr 20 j 05:33	5°♈36'53	
conjunction	-4919 May 08 j 09:19	7°♈57'41	-1°41'39
minimum elong	-4919 May 08 j 09:23	7°♈57'43	1°41'38
max. Earth dist.	-4919 May 09 j 05:16	8°♈04'11	10.03058 AU
morning rise	-4919 May 26 j 10:51	10°♈17'44	
retrograde	-4919 Sep 06 j 20:36	18°♈24'24	
opposition	-4919 Nov 12 j 04:58	14°♈56'38	-1°50'33
min. Earth dist.	-4919 Nov 11 j 14:21	14°♈59'39	8.09241 AU
direct	-4918 Jan 18 j 19:21	11°♈26'22	
evening set	-4918 May 05 j 05:01	19°♈39'25	
conjunction	-4918 May 23 j 07:21	21°♈57'40	-1°14'13
minimum elong	-4918 May 23 j 07:24	21°♈57'41	1°14'08
max. Earth dist.	-4918 May 24 j 02:16	22°♈03'44	10.15964 AU
morning rise	-4918 Jun 10 j 06:17	24°♈14'48	
	-4918 Aug 02 j 10:57	0°♉	
retrograde	-4918 Sep 20 j 09:53	2°♉07'35	
	-4918 Nov 09 j 13:10	30°♑♈	
opposition	-4918 Nov 25 j 23:30	28°♈41'45	-1°13'42
min. Earth dist.	-4918 Nov 25 j 10:10	28°♈44'29	8.23097 AU
direct	-4917 Feb 02 j 07:20	25°♈12'14	
	-4917 Apr 21 j 19:05	0°♉	
evening set	-4917 May 19 j 16:40	3°♉15'43	
conjunction	-4917 Jun 06 j 16:18	5°♉30'53	-0°43'21
minimum elong	-4917 Jun 06 j 16:20	5°♉30'53	0°43'13
max. Earth dist.	-4917 Jun 07 j 08:51	5°♉36'05	10.30705 AU
morning rise	-4917 Jun 24 j 11:43	7°♉44'40	
	-4917 Sep 12 j 18:59	15°♉	
retrograde	-4917 Oct 03 j 12:05	15°♉23'41	
	-4917 Oct 24 j 08:06	15°♑♉	
opposition	-4917 Dec 09 j 09:10	11°♉59'52	-0°34'08
min. Earth dist.	-4917 Dec 08 j 21:37	12°♉02'11	8.38393 AU
direct	-4916 Feb 16 j 10:18	8°♉31'24	
	-4916 May 20 j 19:50	15°♉	
evening set	-4916 Jun 01 j 15:35	16°♉24'29	
conjunction	-4916 Jun 19 j 11:28	18°♉36'15	-0°11'08
minimum elong	-4916 Jun 19 j 11:28	18°♉36'15	0°10'57
behind sun begin	-4916 Jun 19 j 06:03	18°♉34'36	
behind sun end	-4916 Jun 19 j 16:53	18°♉37'55	
max. Earth dist.	-4916 Jun 20 j 00:42	18°♉40'21	10.46429 AU
morning rise	-4916 Jul 07 j 02:34	20°♉46'30	
retrograde	-4916 Oct 15 j 04:18	28°♉12'39	
asc. node	-4916 Oct 27 j 17:06	28°♉04'07	
opposition	-4916 Dec 21 j 10:13	24°♉50'47	0°05'44
min. Earth dist.	-4916 Dec 21 j 00:18	24°♉52'45	8.54275 AU
direct	-4915 Mar 01 j 03:47	21°♉23'38	
evening set	-4915 Jun 15 j 01:47	29°♉06'10	
	-4915 Jun 22 j 12:40	0°♊	
conjunction	-4915 Jul 02 j 17:05	1°♊14'26	0°20'44
minimum elong	-4915 Jul 02 j 17:04	1°♊14'26	0°20'57
max. Earth dist.	-4915 Jul 03 j 03:20	1°♊17'34	10.62298 AU
morning rise	-4915 Jul 20 j 03:12	3°♊21'06	
retrograde	-4915 Oct 27 j 10:33	10°♊35'49	
opposition	-4914 Jan 03 j 03:13	7°♊15'48	0°43'52
min. Earth dist.	-4914 Jan 02 j 19:16	7°♊17'21	8.69943 AU
direct	-4914 Mar 14 j 12:21	3°♊50'03	
evening set	-4914 Jun 27 j 23:41	11°♊22'28	
conjunction	-4914 Jul 15 j 09:56	13°♊27'18	0°50'38
minimum elong	-4914 Jul 15 j 09:54	13°♊27'18	0°50'53
max. Earth dist.	-4914 Jul 15 j 17:26	13°♊29'33	10.77558 AU
morning rise	-4914 Aug 01 j 14:44	15°♊30'32	
retrograde	-4914 Nov 08 j 10:38	22°♊35'34	
opposition	-4913 Jan 15 j 13:07	19°♊17'10	1°18'45
min. Earth dist.	-4913 Jan 15 j 07:58	19°♊18'09	8.84692 AU
direct	-4913 Mar 27 j 10:35	15°♊52'52	
evening set	-4913 Jul 10 j 10:11	23°♊15'54	
conjunction	-4913 Jul 27 j 15:10	25°♊17'33	1°17'32
minimum elong	-4913 Jul 27 j 15:07	25°♊17'32	1°17'47
max. Earth dist.	-4913 Jul 27 j 19:20	25°♊18'48	10.91548 AU

Attention, astronomical year style is used: The year -4913 in astronomical counting style is the year 4914 BCE in historical counting style.

morning rise	-4913 Aug 13 j 14:49	27°♊17'40	
	-4913 Sep 07 j 03:36	0°♋	
retrograde	-4913 Nov 20 j 03:05	4°♋14'51	
opposition	-4912 Jan 27 j 16:50	0°♋57'48	1°49'15
min. Earth dist.	-4912 Jan 27 j 15:25	0°♋58'04	8.97894 AU
	-4912 Feb 09 j 16:11	30°℞♊	
direct	-4912 Apr 07 j 23:32	27°♊34'52	
	-4912 Jun 03 j 13:35	0°♋	
evening set	-4912 Jul 21 j 10:48	4°♋49'37	
conjunction	-4912 Aug 07 j 10:30	6°♋48'25	1°40'36
minimum elong	-4912 Aug 07 j 10:27	6°♋48'25	1°40'51
max. Earth dist.	-4912 Aug 07 j 10:02	6°♋48'17	11.03698 AU
morning rise	-4912 Aug 24 j 05:27	8°♋45'52	
retrograde	-4912 Nov 30 j 13:09	15°♋37'06	
opposition	-4911 Feb 07 j 15:26	12°♋21'04	2°14'37
min. Earth dist.	-4911 Feb 07 j 17:14	12°♋20'44	9.09014 AU
direct	-4911 Apr 20 j 06:45	8°♋59'23	
evening set	-4911 Aug 02 j 02:44	16°♋07'06	
conjunction	-4911 Aug 18 j 21:41	18°♋03'32	1°59'16
minimum elong	-4911 Aug 18 j 21:39	18°♋03'31	1°59'31
max. Earth dist.	-4911 Aug 18 j 17:17	18°♋02'15	11.13536 AU
morning rise	-4911 Sep 04 j 12:31	19°♋58'46	
retrograde	-4911 Dec 11 j 21:51	26°♋46'02	
opposition	-4910 Feb 19 j 10:23	23°♋30'39	2°34'20
min. Earth dist.	-4910 Feb 19 j 14:40	23°♋29'52	9.17602 AU
direct	-4910 May 02 j 07:03	20°♋10'07	
evening set	-4910 Aug 13 j 11:24	27°♋12'06	
conjunction	-4910 Aug 30 j 02:27	29°♋06'43	2°13'08
minimum elong	-4910 Aug 30 j 02:25	29°♋06'43	2°13'23
max. Earth dist.	-4910 Aug 29 j 19:23	29°♋04'41	11.20665 AU
	-4910 Sep 06 j 18:44	0°♌	
morning rise	-4910 Sep 15 j 13:49	1°♌00'21	
retrograde	-4910 Dec 23 j 04:46	7°♌45'35	
opposition	-4909 Mar 03 j 02:53	4°♌30'32	2°48'05
min. Earth dist.	-4909 Mar 03 j 09:57	4°♌29'15	9.23324 AU
direct	-4909 May 14 j 01:00	1°♌10'59	
evening set	-4909 Aug 24 j 15:01	8°♌08'45	
conjunction	-4909 Sep 10 j 02:53	10°♌02'08	2°22'00
minimum elong	-4909 Sep 10 j 02:52	10°♌02'07	2°22'12
max. Earth dist.	-4909 Sep 09 j 16:41	9°♌59'11	11.24849 AU
morning rise	-4909 Sep 26 j 11:45	11°♌54'44	
	-4909 Oct 25 j 17:08	15°♌	
retrograde	-4908 Jan 03 j 12:13	18°♌39'48	
opposition	-4908 Mar 13 j 18:17	15°♌24'46	2°55'42
min. Earth dist.	-4908 Mar 14 j 04:40	15°♌22'53	9.26036 AU
	-4908 Mar 19 j 10:37	15°℞♌	
direct	-4908 May 24 j 14:55	12°♌05'57	
	-4908 Jul 26 j 05:27	15°♌	
evening set	-4908 Sep 03 j 15:11	19°♌00'57	
max. Earth dist.	-4908 Sep 19 j 11:01	20°♌49'45	11.26029 AU
conjunction	-4908 Sep 20 j 00:40	20°♌53'41	2°25'41
minimum elong	-4908 Sep 20 j 00:40	20°♌53'41	2°25'51
morning rise	-4908 Oct 06 j 08:15	22°♌45'55	
retrograde	-4907 Jan 13 j 18:53	29°♌32'36	
opposition	-4907 Mar 25 j 10:07	26°♌17'10	2°57'02
min. Earth dist.	-4907 Mar 25 j 23:01	26°♌14'50	9.25722 AU
direct	-4907 Jun 05 j 02:48	22°♌58'52	
evening set	-4907 Sep 14 j 13:18	29°♌52'30	
	-4907 Sep 15 j 15:46	0°♍	
conjunction	-4907 Sep 30 j 21:34	1°♍45'11	2°24'07
minimum elong	-4907 Sep 30 j 21:35	1°♍45'11	2°24'15
max. Earth dist.	-4907 Sep 30 j 06:04	1°♍40'41	11.24225 AU
morning rise	-4907 Oct 17 j 04:50	3°♍37'37	
retrograde	-4906 Jan 25 j 07:10	10°♍27'41	
opposition	-4906 Apr 06 j 03:23	7°♍11'29	2°52'03
min. Earth dist.	-4906 Apr 06 j 17:13	7°♍08'58	9.22427 AU
direct	-4906 Jun 16 j 15:13	3°♍53'27	
evening set	-4906 Sep 25 j 11:26	10°♍47'07	
conjunction	-4906 Oct 11 j 19:39	12°♍40'22	2°17'19
minimum elong	-4906 Oct 11 j 19:41	12°♍40'22	2°17'26
max. Earth dist.	-4906 Oct 11 j 03:34	12°♍35'41	11.19510 AU
morning rise	-4906 Oct 28 j 03:31	14°♍33'37	
retrograde	-4905 Feb 05 j 23:12	21°♍28'39	
opposition	-4905 Apr 17 j 23:10	18°♍11'24	2°40'48
min. Earth dist.	-4905 Apr 18 j 13:46	18°♍08'44	9.16271 AU
direct	-4905 Jun 28 j 01:14	14°♍53'24	
evening set	-4905 Oct 06 j 11:25	21°♍48'37	
conjunction	-4905 Oct 22 j 20:23	23°♍42'59	2°05'23
minimum elong	-4905 Oct 22 j 20:26	23°♍43'00	2°05'26
max. Earth dist.	-4905 Oct 22 j 03:02	23°♍37'54	11.12043 AU
morning rise	-4905 Nov 08 j 06:02	25°♍37'39	
	-4905 Dec 20 j 22:16	0°♎	
retrograde	-4904 Feb 17 j 21:14	2°♎39'19	
	-4904 Apr 20 j 00:04	30°℞♍	
opposition	-4904 Apr 28 j 23:02	29°♍20'45	2°23'23
min. Earth dist.	-4904 Apr 29 j 14:36	29°♍17'54	9.07458 AU
direct	-4904 Jul 08 j 14:17	26°♍02'31	
	-4904 Sep 18 j 22:28	0°♎	
evening set	-4904 Oct 16 j 15:02	3°♎00'49	
max. Earth dist.	-4904 Nov 01 j 07:16	4°♎51'25	11.02077 AU
conjunction	-4904 Nov 02 j 01:37	4°♎56'52	1°48'28
minimum elong	-4904 Nov 02 j 01:40	4°♎56'52	1°48'28
morning rise	-4904 Nov 18 j 14:02	6°♎53'31	
retrograde	-4903 Mar 01 j 01:53	14°♎03'25	
opposition	-4903 May 11 j 04:03	10°♎43'19	2°00'01
min. Earth dist.	-4903 May 11 j 19:57	10°♎40'22	8.96294 AU
direct	-4903 Jul 20 j 06:15	7°♎24'39	
evening set	-4903 Oct 28 j 00:21	14°♎27'35	
conjunction	-4903 Nov 13 j 13:35	16°♎25'51	1°26'54
minimum elong	-4903 Nov 13 j 13:38	16°♎25'52	1°26'51
max. Earth dist.	-4903 Nov 12 j 20:11	16°♎20'38	10.89944 AU
morning rise	-4903 Nov 30 j 05:29	18°♎25'00	
retrograde	-4902 Mar 13 j 14:55	25°♎44'41	
opposition	-4902 May 23 j 15:03	22°♎22'52	1°31'09
min. Earth dist.	-4902 May 24 j 05:46	22°♎20'06	8.83166 AU
direct	-4902 Aug 01 j 03:44	19°♎03'33	
evening set	-4902 Nov 08 j 17:22	26°♎12'42	
conjunction	-4902 Nov 25 j 10:00	28°♎13'41	1°01'11
minimum elong	-4902 Nov 25 j 10:02	28°♎13'42	1°01'04
max. Earth dist.	-4902 Nov 24 j 18:16	28°♎08'54	10.76063 AU
	-4902 Dec 10 j 01:03	0°♏	
morning rise	-4902 Dec 12 j 05:57	0°♏15'47	
retrograde	-4901 Mar 26 j 16:12	7°♏46'34	
opposition	-4901 Jun 05 j 09:16	4°♏22'58	0°57'25
min. Earth dist.	-4901 Jun 05 j 21:57	4°♏20'33	8.68548 AU
direct	-4901 Aug 13 j 06:44	1°♏02'50	
evening set	-4901 Nov 20 j 20:10	8°♏19'46	
conjunction	-4901 Dec 07 j 16:32	10°♏23'49	0°32'01
minimum elong	-4901 Dec 07 j 16:33	10°♏23'49	0°31'51
max. Earth dist.	-4901 Dec 07 j 02:16	10°♏19'25	10.60959 AU
morning rise	-4901 Dec 24 j 17:02	12°♏29'15	
	-4900 Jan 15 j 08:12	15°♏	

Attention, astronomical year style is used: The year -4900 in astronomical counting style is the year 4901 BCE in historical counting style.

retrograde	-4900 Apr 08 j 02:53	20°♏12'12		
opposition	-4900 Jun 17 j 11:35	16°♏46'47	0°19'50	
min. Earth dist.	-4900 Jun 17 j 22:05	16°♏44'45	8.53040 AU	
	-4900 Jul 11 j 18:41	15°℞♏		
direct	-4900 Aug 24 j 15:50	13°♏25'40		
	-4900 Oct 06 j 04:19	15°♏		
evening set	-4900 Dec 02 j 10:35	20°♏51'51		
conjunction	-4900 Dec 19 j 11:01	22°♏59'13	0°00'26	
minimum elong	-4900 Dec 19 j 11:01	22°♏59'13	0°00'15	
behind sun begin	-4900 Dec 19 j 03:58	22°♏57'02		
behind sun end	-4900 Dec 19 j 18:04	23°♏01'25		
max. Earth dist.	-4900 Dec 18 j 22:34	22°♏55'20	10.45293 AU	
desc. node	-4900 Dec 24 j 12:01	23°♏37'13		
morning rise	-4899 Jan 05 j 16:25	25°♏08'13		
	-4899 Feb 18 j 19:22	0°♐		
retrograde	-4899 Apr 21 j 23:39	3°♐03'59		
	-4899 Jun 26 j 00:07	30°℞♏		
opposition	-4899 Jun 30 j 22:30	29°♏36'49	-0°20'09	
min. Earth dist.	-4899 Jul 01 j 06:53	29°♏35'11	8.37361 AU	
direct	-4899 Sep 06 j 11:08	26°♏14'32		
	-4899 Nov 12 j 06:13	0°♐		
evening set	-4899 Dec 15 j 14:04	3°♐51'11		
conjunction	-4898 Jan 01 j 18:51	6°♐02'02	-0°32'10	
minimum elong	-4898 Jan 01 j 18:50	6°♐02'01	0°32'24	
max. Earth dist.	-4898 Jan 01 j 09:40	5°♐59'06	10.29806 AU	