Attention, astronomical year style is used: The year -9400 in astronomical counting style is the year 9401 BCE in historical counting style.

conjunction	-9400 Jan 07 j 05:04	10°♏29'12	-1°17'25	
minimum elong	-9400 Jan 07 j 04:59	10°♏29'08	1°17'44	
max. Earth dist.	-9400 Jan 08 j 15:28	10°♏49'19	6.06224 AU	
morning rise	-9400 Jan 20 j 20:59	13°♏40'31		
	-9400 Jan 26 j 14:29	15°♏		
	-9400 Apr 12 j 11:48	0°♐		
retrograde	-9400 May 30 j 13:10	3°♐31'47		
	-9400 Jul 17 j 13:37	30°℞♏		
min. Earth dist.	-9400 Jul 28 j 04:39	28°♏34'18	4.07981 AU	
opposition	-9400 Jul 29 j 02:37	28°♏26'47	-2°16'56	
direct	-9400 Sep 25 j 09:02	23°♏27'57		
	-9400 Nov 30 j 13:57	0°♐		
evening set	-9399 Jan 29 j 17:08	12°♐36'49		
conjunction	-9399 Feb 12 j 09:50	15°♐46'13	-1°37'11	
minimum elong	-9399 Feb 12 j 09:49	15°♐46'12	1°37'43	
max. Earth dist.	-9399 Feb 13 j 15:51	16°♐03'33	6.10573 AU	
morning rise	-9399 Feb 26 j 03:24	18°♐55'57		
	-9399 Apr 19 j 01:29	0°♑		
retrograde	-9399 Jul 04 j 04:15	8°♑11'06		
opposition	-9399 Sep 01 j 06:13	3°♑08'03	-2°19'27	
min. Earth dist.	-9399 Aug 31 j 16:22	3°♑12'47	4.14233 AU	
	-9399 Sep 26 j 03:19	30°℞♐		
direct	-9399 Oct 30 j 08:34	28°♐06'05		
	-9399 Dec 03 j 22:47	0°♑		
evening set	-9398 Mar 07 j 05:49	17°♑05'51		
conjunction	-9398 Mar 20 j 22:50	20°♑12'09	-1°22'17	
minimum elong	-9398 Mar 20 j 22:55	20°♑12'12	1°22'51	
max. Earth dist.	-9398 Mar 21 j 12:57	20°♑20'09	6.18218 AU	
morning rise	-9398 Apr 03 j 14:45	23°♑17'45		
	-9398 May 04 j 08:51	0°♒		
retrograde	-9398 Aug 06 j 05:49	11°♒43'03		
opposition	-9398 Oct 04 j 08:11	6°♒43'29	-1°34'46	
min. Earth dist.	-9398 Oct 04 j 04:53	6°♒44'36	4.22493 AU	
direct	-9398 Dec 03 j 14:38	1°♒39'36		
	-9397 Mar 17 j 17:31	15°♒		
evening set	-9397 Apr 11 j 08:38	20°♒20'22		
conjunction	-9397 Apr 24 j 21:56	23°♒21'50	-0°40'29	
minimum elong	-9397 Apr 24 j 22:00	23°♒21'52	0°40'53	
max. Earth dist.	-9397 Apr 24 j 16:00	23°♒18'31	6.26531 AU	
morning rise	-9397 May 08 j 08:30	26°♒21'48		
	-9397 May 24 j 23:10	0°♓		
retrograde	-9397 Sep 07 j 06:01	14°♓02'52		
opposition	-9397 Nov 05 j 15:28	9°♓07'06	-0°21'50	
min. Earth dist.	-9397 Nov 06 j 01:18	9°♓03'51	4.30044 AU	
direct	-9396 Jan 06 j 04:13	4°♓03'03		
asc. node	-9396 Feb 21 j 22:03	7°♓11'22		
evening set	-9396 May 13 j 20:02	22°♓23'51		
max. Earth dist.	-9396 May 26 j 03:14	25°♓07'14	6.32770 AU	
conjunction	-9396 May 27 j 01:31	25°♓19'36	0°12'53	
minimum elong	-9396 May 27 j 01:30	25°♓19'35	0°12'47	
behind sun begin	-9396 May 26 j 20:28	25°♓16'49		
behind sun end	-9396 May 27 j 06:32	25°♓22'22		
morning rise	-9396 Jun 09 j 03:25	28°♓13'32		
	-9396 Jun 17 j 05:35	0°♈		
retrograde	-9396 Oct 07 j 15:29	15°♈29'43		
opposition	-9396 Dec 06 j 16:00	10°♈36'46	0°55'40	
min. Earth dist.	-9396 Dec 07 j 10:41	10°♈30'43	4.34537 AU	
direct	-9395 Feb 06 j 23:43	5°♈34'13		
evening set	-9395 Jun 14 j 22:44	23°♈41'08		
max. Earth dist.	-9395 Jun 26 j 11:15	26°♈14'26	6.35108 AU	

conjunction	-9395 Jun 27 j 18:19	26°♈31'43	1°01'36	
minimum elong	-9395 Jun 27 j 18:14	26°♈31'40	1°01'47	
morning rise	-9395 Jul 10 j 10:43	29°♈20'45		
	-9395 Jul 13 j 09:53	0°♉		
	-9395 Oct 07 j 00:44	15°♉		
retrograde	-9395 Nov 08 j 07:46	16°♉36'11		
	-9395 Dec 10 j 20:36	15°℞♉		
opposition	-9394 Jan 07 j 23:30	11°♉44'33	1°56'24	
min. Earth dist.	-9394 Jan 08 j 23:05	11°♉37'03	4.34673 AU	
direct	-9394 Mar 11 j 13:20	6°♉44'40		
	-9394 May 30 j 03:09	15°♉		
evening set	-9394 Jul 16 j 05:34	24°♉46'21		
max. Earth dist.	-9394 Jul 27 j 08:57	27°♉16'08	6.32882 AU	
conjunction	-9394 Jul 28 j 17:11	27°♉34'15	1°32'27	
minimum elong	-9394 Jul 28 j 17:08	27°♉34'14	1°32'53	
	-9394 Aug 08 j 12:53	0°♊		
morning rise	-9394 Aug 10 j 03:04	0°♊21'20		
retrograde	-9394 Dec 10 j 20:18	17°♊58'47		
opposition	-9393 Feb 10 j 01:28	13°♊06'31	2°24'01	
min. Earth dist.	-9393 Feb 10 j 22:05	12°♊59'59	4.30335 AU	
direct	-9393 Apr 13 j 03:57	8°♊09'37		
evening set	-9393 Aug 16 j 09:03	26°♊14'52		
conjunction	-9393 Aug 28 j 18:15	29°♊04'01	1°36'32	
minimum elong	-9393 Aug 28 j 18:17	29°♊04'02	1°37'06	
max. Earth dist.	-9393 Aug 27 j 19:59	28°♊51'18	6.26718 AU	
	-9393 Sep 01 j 20:20	0°♋		
morning rise	-9393 Sep 10 j 03:15	1°♋53'14		
retrograde	-9392 Jan 13 j 17:26	20°♋09'43		
opposition	-9392 Mar 15 j 04:45	15°♋15'10	2°08'48	
min. Earth dist.	-9392 Mar 15 j 16:27	15°♋11'26	4.22749 AU	
direct	-9392 May 15 j 07:26	10°♋20'54		
evening set	-9392 Sep 16 j 03:46	28°♋37'04		
	-9392 Sep 22 j 03:20	0°♌		
conjunction	-9392 Sep 28 j 16:58	1°♌31'25	1°10'58	
minimum elong	-9392 Sep 28 j 17:03	1°♌31'27	1°11'29	
max. Earth dist.	-9392 Sep 28 j 09:06	1°♌26'51	6.18393 AU	
morning rise	-9392 Oct 11 j 08:11	4°♌26'54		
	-9392 Nov 29 j 12:50	15°♌		
retrograde	-9391 Feb 17 j 00:02	23°♌29'54		
opposition	-9391 Apr 19 j 08:14	18°♌31'40	1°11'20	
min. Earth dist.	-9391 Apr 19 j 06:01	18°♌32'22	4.14215 AU	
	-9391 May 19 j 21:08	15°℞♌		
direct	-9391 Jun 18 j 03:53	13°♌38'40		
	-9391 Jul 17 j 05:20	15°♌		
	-9391 Oct 09 j 19:57	0°♍		
evening set	-9391 Oct 19 j 07:21	2°♍11'39		
conjunction	-9391 Nov 01 j 05:33	5°♍13'21	0°21'23	
minimum elong	-9391 Nov 01 j 05:35	5°♍13'22	0°21'42	
max. Earth dist.	-9391 Nov 01 j 18:23	5°♍20'53	6.10511 AU	
morning rise	-9391 Nov 14 j 06:47	8°♍16'50		
retrograde	-9390 Mar 25 j 07:40	28°♍00'05		
desc. node	-9390 Mar 28 j 05:24	27°♍59'17		
opposition	-9390 May 25 j 02:57	22°♍58'05	-0°12'52	
min. Earth dist.	-9390 May 24 j 12:33	23°♍02'51	4.07624 AU	
direct	-9390 Jul 22 j 19:45	18°♍04'35		
	-9390 Oct 23 j 15:29	0°♎		
evening set	-9390 Nov 23 j 06:40	6°♎56'42		
conjunction	-9390 Dec 06 j 13:55	10°♎04'29	-0°36'50	
minimum elong	-9390 Dec 06 j 13:52	10°♎04'27	0°36'52	
max. Earth dist.	-9390 Dec 07 j 18:08	10°♎21'06	6.05813 AU	

Attention, astronomical year style is used: The year -9390 in astronomical counting style is the year 9391 BCE in historical counting style.

morning rise	-9390 Dec 20 j 00:54	13°♎14'10	
	-9389 Mar 15 j 06:39	0°♏	
retrograde	-9389 Apr 30 j 18:06	3°♏16'13	
	-9389 Jun 16 j 05:36	30°℞♎	
opposition	-9389 Jun 29 j 21:19	28°♎11'34	-1°34'03
min. Earth dist.	-9389 Jun 28 j 22:34	28°♎19'16	4.05378 AU
direct	-9389 Aug 26 j 23:53	23°♎15'40	
	-9389 Nov 01 j 19:00	0°♏	
evening set	-9389 Dec 29 j 19:45	12°♏22'33	
	-9388 Jan 10 j 01:30	15°♏	
conjunction	-9388 Jan 12 j 09:40	15°♏32'52	-1°22'07
minimum elong	-9388 Jan 12 j 09:35	15°♏32'49	1°22'28
max. Earth dist.	-9388 Jan 13 j 21:50	15°♏54'01	6.06112 AU
morning rise	-9388 Jan 26 j 02:00	18°♏44'24	
	-9388 Mar 18 j 05:11	0°♐	
retrograde	-9388 Jun 04 j 13:38	8°♐33'42	
opposition	-9388 Aug 02 j 23:34	3°♐28'48	-2°20'24
min. Earth dist.	-9388 Aug 02 j 02:39	3°♐35'58	4.08316 AU
	-9388 Aug 31 j 06:48	30°℞♏	
direct	-9388 Sep 30 j 08:03	28°♏29'29	
	-9388 Oct 30 j 13:59	0°♐	
evening set	-9387 Feb 03 j 22:08	17°♐38'49	
conjunction	-9387 Feb 17 j 15:07	20°♐48'01	-1°37'05
minimum elong	-9387 Feb 17 j 15:07	20°♐48'01	1°37'37
max. Earth dist.	-9387 Feb 18 j 20:23	21°♐04'53	6.11308 AU
morning rise	-9387 Mar 03 j 08:47	23°♐57'25	
	-9387 Mar 30 j 12:30	0°♑	
retrograde	-9387 Jul 08 j 21:27	13°♑06'17	
opposition	-9387 Sep 05 j 23:56	8°♑03'34	-2°15'37
min. Earth dist.	-9387 Sep 05 j 10:06	8°♑08'17	4.15277 AU
direct	-9387 Nov 04 j 04:49	3°♑01'12	
evening set	-9386 Mar 12 j 07:02	21°♑58'33	
conjunction	-9386 Mar 25 j 23:43	25°♑04'12	-1°17'41
minimum elong	-9386 Mar 25 j 23:48	25°♑04'15	1°18'13
max. Earth dist.	-9386 Mar 26 j 11:03	25°♑10'37	6.19469 AU
morning rise	-9386 Apr 08 j 15:09	28°♑09'02	
	-9386 Apr 16 j 21:55	0°♒	
	-9386 Jul 11 j 20:32	15°♒	
retrograde	-9386 Aug 10 j 20:10	16°♒27'01	
	-9386 Sep 09 j 14:44	15°℞♒	
opposition	-9386 Oct 08 j 22:33	11°♒27'57	-1°25'37
min. Earth dist.	-9386 Oct 08 j 21:45	11°♒28'13	4.23774 AU
direct	-9386 Dec 08 j 10:49	6°♒23'54	
	-9385 Feb 26 j 21:13	15°♒	
evening set	-9385 Apr 16 j 03:46	25°♒01'05	
conjunction	-9385 Apr 29 j 16:17	28°♒01'43	-0°33'17
minimum elong	-9385 Apr 29 j 16:20	28°♒01'45	0°33'39
max. Earth dist.	-9385 Apr 29 j 08:38	27°♒57'27	6.27727 AU
	-9385 May 08 j 12:20	0°♓	
morning rise	-9385 May 13 j 01:42	1°♓00'45	
retrograde	-9385 Sep 11 j 14:40	18°♓36'26	
opposition	-9385 Nov 10 j 03:14	13°♓41'07	-0°10'42
min. Earth dist.	-9385 Nov 10 j 13:46	13°♓37'39	4.31046 AU
asc. node	-9384 Jan 02 j 01:38	8°♓44'16	
direct	-9384 Jan 10 j 18:42	8°♓37'11	
evening set	-9384 May 18 j 09:40	26°♓55'08	
conjunction	-9384 May 31 j 13:41	29°♓50'00	0°20'19
minimum elong	-9384 May 31 j 13:39	29°♓49'59	0°20'14
max. Earth dist.	-9384 May 30 j 13:07	29°♓36'22	6.33494 AU
	-9384 Jun 01 j 07:43	0°♈	
morning rise	-9384 Jun 13 j 14:17	2°♈43'06	
retrograde	-9384 Oct 12 j 01:42	19°♈57'20	
opposition	-9384 Dec 11 j 03:40	15°♈04'45	1°05'35
min. Earth dist.	-9384 Dec 12 j 00:16	14°♈58'06	4.34931 AU
direct	-9383 Feb 11 j 14:23	10°♈02'32	
evening set	-9383 Jun 19 j 08:12	28°♈07'55	
	-9383 Jun 27 j 18:24	0°♉	
max. Earth dist.	-9383 Jun 30 j 18:14	0°♉39'58	6.35114 AU
conjunction	-9383 Jul 02 j 02:32	0°♉57'57	1°07'13
minimum elong	-9383 Jul 02 j 02:27	0°♉57'54	1°07'28
morning rise	-9383 Jul 14 j 17:49	3°♉46'30	
	-9383 Sep 08 j 10:27	15°♉	
retrograde	-9383 Nov 12 j 18:25	21°♉03'44	
opposition	-9382 Jan 12 j 12:55	16°♉12'09	2°02'31
min. Earth dist.	-9382 Jan 13 j 12:02	16°♉04'47	4.34316 AU
	-9382 Jan 22 j 01:51	15°℞♉	
direct	-9382 Mar 16 j 01:18	11°♉12'39	
	-9382 May 07 j 00:23	15°♉	
evening set	-9382 Jul 20 j 13:43	29°♉14'32	
	-9382 Jul 23 j 22:59	0°♊	
max. Earth dist.	-9382 Jul 31 j 17:50	1°♊45'01	6.32184 AU
conjunction	-9382 Aug 02 j 00:40	2°♊02'23	1°34'45
minimum elong	-9382 Aug 02 j 00:37	2°♊02'22	1°35'12
morning rise	-9382 Aug 14 j 09:55	4°♊49'31	
retrograde	-9382 Dec 15 j 12:24	22°♊31'48	
opposition	-9381 Feb 14 j 18:17	17°♊39'25	2°24'34
min. Earth dist.	-9381 Feb 15 j 14:42	17°♊32'57	4.29341 AU
direct	-9381 Apr 17 j 18:31	12°♊42'59	
	-9381 Aug 17 j 02:35	0°♋	
evening set	-9381 Aug 20 j 18:35	0°♋49'49	
max. Earth dist.	-9381 Sep 01 j 05:52	3°♋26'55	6.25509 AU
conjunction	-9381 Sep 02 j 03:53	3°♋39'31	1°34'42
minimum elong	-9381 Sep 02 j 03:56	3°♋39'32	1°35'16
morning rise	-9381 Sep 14 j 13:32	6°♋29'30	
retrograde	-9380 Jan 18 j 14:23	24°♋52'51	
opposition	-9380 Mar 20 j 01:38	19°♋57'51	2°03'06
min. Earth dist.	-9380 Mar 20 j 10:59	19°♋54'52	4.21409 AU
direct	-9380 May 19 j 23:11	15°♋03'54	
	-9380 Sep 05 j 21:16	0°♌	
evening set	-9380 Sep 20 j 17:12	3°♌22'44	
conjunction	-9380 Oct 03 j 07:38	6°♌18'09	1°05'12
minimum elong	-9380 Oct 03 j 07:43	6°♌18'12	1°05'41
max. Earth dist.	-9380 Oct 03 j 03:54	6°♌15'59	6.17075 AU
morning rise	-9380 Oct 15 j 23:58	9°♌14'46	
	-9380 Nov 10 j 13:56	15°♌	
retrograde	-9379 Feb 22 j 02:36	28°♌24'40	
opposition	-9379 Apr 24 j 08:44	23°♌25'58	1°00'32
min. Earth dist.	-9379 Apr 24 j 05:01	23°♌27'10	4.13032 AU
direct	-9379 Jun 23 j 00:16	18°♌33'08	
	-9379 Sep 22 j 09:11	0°♍	
evening set	-9379 Oct 24 j 03:07	7°♍09'01	
conjunction	-9379 Nov 06 j 02:30	10°♍11'42	0°13'16
minimum elong	-9379 Nov 06 j 02:31	10°♍11'43	0°13'31
behind sun begin	-9379 Nov 05 j 21:55	10°♍09'02	
behind sun end	-9379 Nov 06 j 07:06	10°♍14'24	
max. Earth dist.	-9379 Nov 06 j 17:05	10°♍20'16	6.09599 AU
morning rise	-9379 Nov 19 j 05:22	13°♍16'17	
desc. node	-9378 Feb 04 j 21:02	28°♍52'01	
	-9378 Feb 13 j 03:38	0°♎	
retrograde	-9378 Mar 30 j 09:49	3°♎03'41	
	-9378 May 14 j 20:31	30°℞♍	
min. Earth dist.	-9378 May 29 j 11:02	28°♍06'56	4.07105 AU
opposition	-9378 May 30 j 04:18	28°♍01'12	-0°25'15
direct	-9378 Jul 27 j 17:45	23°♍07'30	

Attention, astronomical year style is used: The year -9378 in astronomical counting style is the year 9379 BCE in historical counting style.

	-9378 Oct 03 j 08:23	0°♎		
evening set	-9378 Nov 28 j 08:13	12°♎01'37		
conjunction	-9378 Dec 11 j 16:41	15°♎09'54	-0°44'26	
minimum elong	-9378 Dec 11 j 16:37	15°♎09'51	0°44'31	
max. Earth dist.	-9378 Dec 13 j 00:14	15°♎28'28	6.05744 AU	
morning rise	-9378 Dec 25 j 04:28	18°♎19'58		
	-9377 Feb 17 j 03:33	0°♏		
retrograde	-9377 May 05 j 20:43	8°♏21'10		
opposition	-9377 Jul 04 j 20:43	3°♏16'17	-1°43'09	
min. Earth dist.	-9377 Jul 03 j 22:13	3°♏23'55	4.05787 AU	
	-9377 Jul 31 j 08:25	30°℞♎		
direct	-9377 Sep 01 j 00:12	28°♎19'56		
	-9377 Oct 02 j 15:44	0°♏		
	-9377 Dec 24 j 09:11	15°♏		
evening set	-9376 Jan 03 j 23:48	17°♏26'37		
conjunction	-9376 Jan 17 j 14:11	20°♏36'44	-1°26'13	
minimum elong	-9376 Jan 17 j 14:07	20°♏36'42	1°26'37	
max. Earth dist.	-9376 Jan 19 j 02:22	20°♏57'51	6.06930 AU	
morning rise	-9376 Jan 31 j 06:56	23°♏47'59		
	-9376 Feb 27 j 19:42	0°♐		
retrograde	-9376 Jun 09 j 08:26	13°♐31'26		
opposition	-9376 Aug 07 j 18:22	8°♐26'39	-2°22'45	
min. Earth dist.	-9376 Aug 06 j 21:14	8°♐33'53	4.09476 AU	
direct	-9376 Oct 05 j 04:18	3°♐26'52		
evening set	-9375 Feb 08 j 23:57	22°♐33'42		
conjunction	-9375 Feb 22 j 16:55	25°♐42'17	-1°36'18	
minimum elong	-9375 Feb 22 j 16:57	25°♐42'17	1°36'52	
max. Earth dist.	-9375 Feb 23 j 19:14	25°♐57'23	6.12686 AU	
morning rise	-9375 Mar 08 j 10:25	28°♐50'57		
	-9375 Mar 13 j 12:06	0°♑		
retrograde	-9375 Jul 13 j 11:46	17°♑51'40		
opposition	-9375 Sep 10 j 13:44	12°♑49'21	-2°10'59	
min. Earth dist.	-9375 Sep 10 j 02:36	12°♑53'09	4.16715 AU	
direct	-9375 Nov 09 j 00:09	7°♑46'36		
evening set	-9374 Mar 17 j 03:25	26°♑40'20		
conjunction	-9374 Mar 30 j 19:53	29°♑45'18	-1°12'44	
minimum elong	-9374 Mar 30 j 19:58	29°♑45'21	1°13'16	
max. Earth dist.	-9374 Mar 31 j 05:08	29°♑50'31	6.20855 AU	
	-9374 Mar 31 j 21:55	0°♒		
morning rise	-9374 Apr 13 j 10:33	2°♒49'16		
	-9374 Jun 12 j 07:03	15°♒		
retrograde	-9374 Aug 15 j 04:19	21°♒00'01		
opposition	-9374 Oct 13 j 08:22	16°♒01'29	-1°16'19	
min. Earth dist.	-9374 Oct 13 j 08:53	16°♒01'19	4.24978 AU	
	-9374 Oct 21 j 01:01	15°℞♒		
direct	-9374 Dec 13 j 00:01	10°♒57'18		
	-9373 Feb 04 j 00:25	15°♒		
evening set	-9373 Apr 20 j 18:29	29°♒31'31		
	-9373 Apr 22 j 21:55	0°♓		
conjunction	-9373 May 04 j 05:56	2°♓31'23	-0°26'10	
minimum elong	-9373 May 04 j 05:58	2°♓31'25	0°26'29	
max. Earth dist.	-9373 May 03 j 17:44	2°♓24'35	6.28655 AU	
morning rise	-9373 May 17 j 14:28	5°♓29'39		
retrograde	-9373 Sep 15 j 23:04	23°♓01'27		
opposition	-9373 Nov 14 j 12:02	18°♓06'34	0°00'06	
asc. node	-9373 Nov 14 j 00:29	18°♓10'22		
min. Earth dist.	-9373 Nov 15 j 01:29	18°♓02'09	4.31624 AU	
direct	-9372 Jan 15 j 07:45	13°♓02'43		
	-9372 May 16 j 19:11	0°♈		
evening set	-9372 May 22 j 19:53	1°♈19'17		
conjunction	-9372 Jun 04 j 22:49	4°♈13'36	0°27'25	
minimum elong	-9372 Jun 04 j 22:47	4°♈13'34	0°27'23	
max. Earth dist.	-9372 Jun 03 j 21:01	3°♈59'16	6.33670 AU	
morning rise	-9372 Jun 17 j 22:03	7°♈06'05		
retrograde	-9372 Oct 16 j 09:00	24°♈20'28		
opposition	-9372 Dec 15 j 13:38	19°♈28'07	1°14'54	
min. Earth dist.	-9372 Dec 16 j 10:22	19°♈21'26	4.34726 AU	
direct	-9371 Feb 15 j 23:54	14°♈26'13		
	-9371 Jun 12 j 02:51	0°♉		
evening set	-9371 Jun 23 j 16:44	2°♉32'06		
max. Earth dist.	-9371 Jul 05 j 00:39	5°♉03'20	6.34532 AU	
conjunction	-9371 Jul 06 j 09:48	5°♉21'49	1°12'21	
minimum elong	-9371 Jul 06 j 09:43	5°♉21'47	1°12'38	
morning rise	-9371 Jul 19 j 00:06	8°♉10'11		
	-9371 Aug 19 j 23:34	15°♉		
retrograde	-9371 Nov 17 j 07:59	25°♉31'08		
opposition	-9370 Jan 17 j 02:36	20°♉39'35	2°07'54	
min. Earth dist.	-9370 Jan 18 j 02:36	20°♉31'57	4.33417 AU	
direct	-9370 Mar 20 j 14:31	15°♉40'30		
	-9370 Jul 07 j 23:26	0°♊		
evening set	-9370 Jul 24 j 22:24	3°♊44'10		
max. Earth dist.	-9370 Aug 05 j 02:35	6°♊15'08	6.31025 AU	
conjunction	-9370 Aug 06 j 08:51	6°♊32'14	1°36'27	
minimum elong	-9370 Aug 06 j 08:49	6°♊32'13	1°36'56	
morning rise	-9370 Aug 18 j 17:54	9°♊19'43		
retrograde	-9370 Dec 20 j 05:29	27°♊08'17		
opposition	-9369 Feb 19 j 12:45	22°♊15'36	2°24'11	
min. Earth dist.	-9369 Feb 20 j 06:48	22°♊09'53	4.28026 AU	
direct	-9369 Apr 22 j 08:12	17°♊19'35		
	-9369 Jul 31 j 12:18	0°♋		
evening set	-9369 Aug 25 j 05:42	5°♋28'46		
conjunction	-9369 Sep 06 j 15:27	8°♋19'11	1°32'11	
minimum elong	-9369 Sep 06 j 15:30	8°♋19'13	1°32'45	
max. Earth dist.	-9369 Sep 05 j 21:14	8°♋08'44	6.24157 AU	
morning rise	-9369 Sep 19 j 01:36	11°♋09'59		
retrograde	-9368 Jan 23 j 14:30	29°♋40'25		
opposition	-9368 Mar 25 j 00:41	24°♋44'57	1°56'25	
min. Earth dist.	-9368 Mar 25 j 08:36	24°♋42'25	4.20107 AU	
direct	-9368 May 24 j 18:44	19°♋51'17		
	-9368 Aug 19 j 03:15	0°♌		
evening set	-9368 Sep 25 j 08:48	8°♌12'20		
conjunction	-9368 Oct 08 j 00:14	11°♌08'43	0°58'51	
minimum elong	-9368 Oct 08 j 00:18	11°♌08'46	0°59'20	
max. Earth dist.	-9368 Oct 07 j 22:46	11°♌07'52	6.15943 AU	
morning rise	-9368 Oct 20 j 18:05	14°♌06'27		
	-9368 Oct 24 j 14:53	15°♌		
	-9367 Jan 10 j 05:51	0°♍		
retrograde	-9367 Feb 27 j 03:37	3°♍22'02		
	-9367 Apr 16 j 17:33	30°℞♌		
opposition	-9367 Apr 29 j 09:55	28°♌22'43	0°49'08	
min. Earth dist.	-9367 Apr 29 j 02:51	28°♌25'01	4.12154 AU	
direct	-9367 Jun 27 j 20:47	23°♌29'53		
	-9367 Sep 02 j 00:33	0°♍		
evening set	-9367 Oct 28 j 23:56	12°♍07'37		
conjunction	-9367 Nov 11 j 00:46	15°♍11'09	0°05'00	
minimum elong	-9367 Nov 11 j 00:46	15°♍11'09	0°05'12	
behind sun begin	-9367 Nov 10 j 16:52	15°♍06'32		
behind sun end	-9367 Nov 11 j 08:40	15°♍15'47		
max. Earth dist.	-9367 Nov 11 j 19:26	15°♍22'08	6.09043 AU	
morning rise	-9367 Nov 24 j 04:52	18°♍16'33		
desc. node	-9367 Dec 14 j 20:14	22°♍59'59		
	-9366 Jan 17 j 16:00	0°♎		
retrograde	-9366 Apr 04 j 14:05	8°♎06'30		

Attention, astronomical year style is used: The year -9366 in astronomical counting style is the year 9367 BCE in historical counting style.

min. Earth dist.	-9366 Jun 03 j 11:39	3°♎09'29	4.06905 AU
opposition	-9366 Jun 04 j 05:24	3°♎03'34	-0°37'28
	-9366 Jun 29 j 02:21	30°℞♍	
direct	-9366 Aug 01 j 17:46	28°♍09'35	
	-9366 Sep 04 j 02:55	0°♎	
evening set	-9366 Dec 03 j 09:44	17°♎04'49	
conjunction	-9366 Dec 16 j 19:07	20°♎13'26	-0°51'43
minimum elong	-9366 Dec 16 j 19:01	20°♎13'23	0°51'51
max. Earth dist.	-9366 Dec 18 j 03:49	20°♎32'39	6.05892 AU
morning rise	-9366 Dec 30 j 07:53	23°♎23'48	
	-9365 Jan 28 j 12:14	0°♏	
retrograde	-9365 May 10 j 20:18	13°♏23'17	
opposition	-9365 Jul 09 j 18:53	8°♏18'18	-1°51'28
min. Earth dist.	-9365 Jul 08 j 19:25	8°♏26'16	4.06296 AU
direct	-9365 Sep 05 j 21:12	3°♏21'33	
	-9365 Dec 06 j 17:40	15°♏	
evening set	-9364 Jan 09 j 03:23	22°♏28'09	
conjunction	-9364 Jan 22 j 18:12	25°♏38'05	-1°29'43
minimum elong	-9364 Jan 22 j 18:08	25°♏38'03	1°30'08
max. Earth dist.	-9364 Jan 24 j 04:49	25°♏58'14	6.07732 AU
morning rise	-9364 Feb 05 j 11:14	28°♏49'01	
	-9364 Feb 10 j 14:38	0°♐	
retrograde	-9364 Jun 14 j 03:51	18°♐27'02	
opposition	-9364 Aug 12 j 12:21	13°♐22'30	-2°24'09
min. Earth dist.	-9364 Aug 11 j 17:01	13°♐29'07	4.10494 AU
direct	-9364 Oct 10 j 01:52	8°♐22'15	
evening set	-9363 Feb 14 j 01:28	27°♐27'28	
	-9363 Feb 25 j 04:29	0°♑	
conjunction	-9363 Feb 27 j 18:42	0°♑35'38	-1°34'54
minimum elong	-9363 Feb 27 j 18:45	0°♑35'40	1°35'28
max. Earth dist.	-9363 Feb 28 j 19:51	0°♑50'02	6.13848 AU
morning rise	-9363 Mar 13 j 11:54	3°♑43'41	
retrograde	-9363 Jul 18 j 02:00	22°♑37'15	
opposition	-9363 Sep 15 j 03:40	17°♑35'30	-2°05'34
min. Earth dist.	-9363 Sep 14 j 17:42	17°♑38'53	4.17911 AU
direct	-9363 Nov 13 j 17:21	12°♑32'31	
	-9362 Mar 15 j 18:02	0°♒	
evening set	-9362 Mar 22 j 00:21	1°♒23'42	
conjunction	-9362 Apr 04 j 16:15	4°♒28'01	-1°07'20
minimum elong	-9362 Apr 04 j 16:21	4°♒28'04	1°07'51
max. Earth dist.	-9362 Apr 04 j 20:50	4°♒30'36	6.21996 AU
morning rise	-9362 Apr 18 j 06:29	7°♒31'18	
	-9362 May 23 j 01:37	15°♒	
retrograde	-9362 Aug 19 j 15:29	25°♒36'03	
opposition	-9362 Oct 17 j 19:45	20°♒38'03	-1°06'31
min. Earth dist.	-9362 Oct 17 j 22:51	20°♒37'01	4.25959 AU
direct	-9362 Dec 17 j 16:16	15°♒33'47	
	-9361 Apr 06 j 13:52	0°♓	
evening set	-9361 Apr 25 j 10:13	4°♓05'45	
conjunction	-9361 May 08 j 20:53	7°♓04'58	-0°18'48
minimum elong	-9361 May 08 j 20:55	7°♓04'59	0°19'05
max. Earth dist.	-9361 May 08 j 07:25	6°♓57'28	6.29421 AU
morning rise	-9361 May 22 j 04:09	10°♓02'27	
retrograde	-9361 Sep 20 j 07:24	27°♓31'00	
asc. node	-9361 Sep 24 j 19:18	27°♓29'01	
opposition	-9361 Nov 18 j 22:30	22°♓36'36	0°11'05
min. Earth dist.	-9361 Nov 19 j 12:37	22°♓31'58	4.32128 AU
direct	-9360 Jan 19 j 19:40	17°♓32'59	
	-9360 Apr 30 j 04:23	0°♈	
evening set	-9360 May 27 j 07:51	5°♈48'19	
max. Earth dist.	-9360 Jun 08 j 04:36	8°♈26'02	6.33868 AU
conjunction	-9360 Jun 09 j 09:17	8°♈41'58	0°34'29
minimum elong	-9360 Jun 09 j 09:14	8°♈41'56	0°34'31
morning rise	-9360 Jun 22 j 07:24	11°♈33'52	
retrograde	-9360 Oct 20 j 20:40	28°♈48'25	
opposition	-9360 Dec 20 j 01:44	23°♈56'19	1°24'00
min. Earth dist.	-9360 Dec 21 j 00:02	23°♈49'08	4.34629 AU
direct	-9359 Feb 20 j 13:32	18°♈54'45	
	-9359 May 26 j 03:35	0°♉	
evening set	-9359 Jun 28 j 02:04	7°♉00'30	
max. Earth dist.	-9359 Jul 09 j 09:50	9°♉31'50	6.34143 AU
conjunction	-9359 Jul 10 j 18:09	9°♉49'53	1°17'12
minimum elong	-9359 Jul 10 j 18:04	9°♉49'51	1°17'30
morning rise	-9359 Jul 23 j 07:21	12°♉37'58	
	-9359 Aug 03 j 01:18	15°♉	
	-9359 Nov 17 j 03:31	0°♊	
retrograde	-9359 Nov 21 j 20:11	0°♊02'05	
	-9359 Nov 26 j 12:57	30°℞♉	
opposition	-9358 Jan 21 j 17:36	25°♉10'28	2°12'38
min. Earth dist.	-9358 Jan 22 j 16:01	25°♉03'21	4.32802 AU
direct	-9358 Mar 25 j 02:33	20°♉11'54	
	-9358 Jun 20 j 11:19	0°♊	
evening set	-9358 Jul 29 j 07:31	8°♊16'06	
conjunction	-9358 Aug 10 j 17:23	11°♊04'14	1°37'38
minimum elong	-9358 Aug 10 j 17:21	11°♊04'13	1°38'09
max. Earth dist.	-9358 Aug 09 j 12:42	10°♊47'59	6.30238 AU
morning rise	-9358 Aug 23 j 02:10	13°♊51'54	
	-9358 Nov 20 j 18:54	0°♋	
retrograde	-9358 Dec 25 j 00:10	1°♋45'28	
	-9357 Jan 28 j 10:55	30°℞♊	
opposition	-9357 Feb 24 j 07:21	26°♊52'29	2°22'57
min. Earth dist.	-9357 Feb 25 j 00:50	26°♊46'57	4.27121 AU
direct	-9357 Apr 27 j 01:04	21°♊56'51	
	-9357 Jul 12 j 23:22	0°♋	
evening set	-9357 Aug 29 j 16:13	10°♋06'50	
max. Earth dist.	-9357 Sep 10 j 10:17	12°♋48'33	6.23222 AU
conjunction	-9357 Sep 11 j 02:24	12°♋57'49	1°29'10
minimum elong	-9357 Sep 11 j 02:27	12°♋57'51	1°29'43
morning rise	-9357 Sep 23 j 13:19	15°♋49'19	
	-9357 Dec 03 j 21:19	0°♌	
retrograde	-9356 Jan 28 j 10:01	4°♌25'09	
	-9356 Mar 25 j 21:20	30°℞♋	
opposition	-9356 Mar 29 j 21:53	29°♋29'07	1°49'04
min. Earth dist.	-9356 Mar 30 j 02:41	29°♋27'35	4.19208 AU
direct	-9356 May 29 j 11:05	24°♋35'40	
	-9356 Jul 29 j 03:49	0°♌	
evening set	-9356 Sep 29 j 22:33	12°♌57'42	
	-9356 Oct 08 j 17:01	15°♌	
conjunction	-9356 Oct 12 j 15:08	15°♌54'54	0°52'16
minimum elong	-9356 Oct 12 j 15:13	15°♌54'57	0°52'43
max. Earth dist.	-9356 Oct 12 j 17:15	15°♌56'08	6.15165 AU
morning rise	-9356 Oct 25 j 10:10	18°♌53'33	
	-9356 Dec 16 j 05:29	0°♍	
retrograde	-9355 Mar 04 j 04:15	8°♍13'31	
opposition	-9355 May 04 j 08:30	3°♍13'38	0°37'39
min. Earth dist.	-9355 May 04 j 00:31	3°♍16'15	4.11533 AU
	-9355 May 31 j 10:11	30°℞♌	
direct	-9355 Jul 02 j 17:15	28°♌20'41	
	-9355 Aug 03 j 15:59	0°♍	
desc. node	-9355 Oct 25 j 01:10	14°♍58'12	
evening set	-9355 Nov 02 j 18:23	16°♍59'38	
conjunction	-9355 Nov 15 j 20:21	20°♍03'51	-0°03'15
minimum elong	-9355 Nov 15 j 20:21	20°♍03'51	0°03'05

Attention, astronomical year style is used: The year -9355 in astronomical counting style is the year 9356 BCE in historical counting style.

behind sun begin	-9355 Nov 15 j 12:12	19°♍59'05	
behind sun end	-9355 Nov 16 j 04:30	20°♍08'37	
max. Earth dist.	-9355 Nov 16 j 16:55	20°♍15'56	6.08633 AU
morning rise	-9355 Nov 29 j 01:51	23°♍10'00	
	-9355 Dec 29 j 08:06	0°♎	
retrograde	-9354 Apr 09 j 12:53	13°♎01'44	
min. Earth dist.	-9354 Jun 08 j 07:29	8°♎04'52	4.06762 AU
opposition	-9354 Jun 09 j 02:51	7°♎58'24	-0°49'06
direct	-9354 Aug 06 j 12:10	3°♎04'06	
evening set	-9354 Dec 08 j 08:46	22°♎00'37	
conjunction	-9354 Dec 21 j 18:59	25°♎09'30	-0°58'26
minimum elong	-9354 Dec 21 j 18:54	25°♎09'27	0°58'37
max. Earth dist.	-9354 Dec 23 j 03:41	25°♎28'42	6.06000 AU
morning rise	-9353 Jan 04 j 08:31	28°♎20'06	
	-9353 Jan 11 j 13:00	0°♏	
	-9353 Mar 30 j 03:33	15°♏	
retrograde	-9353 May 15 j 17:02	18°♏18'01	
	-9353 Jul 01 j 04:05	15℞♏	
opposition	-9353 Jul 14 j 13:48	13°♏12'55	-1°58'48
min. Earth dist.	-9353 Jul 13 j 15:12	13°♏20'37	4.06650 AU
direct	-9353 Sep 10 j 17:29	8°♏15'39	
	-9353 Nov 16 j 17:52	15°♏	
evening set	-9352 Jan 14 j 04:21	27°♏22'51	
	-9352 Jan 25 j 11:27	0°♐	
conjunction	-9352 Jan 27 j 19:49	0°♐32'46	-1°32'29
minimum elong	-9352 Jan 27 j 19:46	0°♐32'44	1°32'57
max. Earth dist.	-9352 Jan 29 j 06:26	0°♐52'52	6.08292 AU
morning rise	-9352 Feb 10 j 12:59	3°♐43'29	
retrograde	-9352 Jun 18 j 21:45	23°♐16'52	
min. Earth dist.	-9352 Aug 16 j 09:56	18°♐18'54	4.11219 AU
opposition	-9352 Aug 17 j 04:12	18°♐12'39	-2°24'34
direct	-9352 Oct 14 j 19:36	13°♐12'00	
	-9351 Feb 08 j 23:06	0°♑	
evening set	-9351 Feb 19 j 01:22	2°♑16'38	
conjunction	-9351 Mar 04 j 18:31	5°♑24'28	-1°32'52
minimum elong	-9351 Mar 04 j 18:34	5°♑24'30	1°33'26
max. Earth dist.	-9351 Mar 05 j 15:30	5°♑36'27	6.14666 AU
morning rise	-9351 Mar 18 j 11:43	8°♑32'07	
retrograde	-9351 Jul 22 j 15:26	27°♑19'55	
opposition	-9351 Sep 19 j 16:45	22°♑18'38	-1°59'25
min. Earth dist.	-9351 Sep 19 j 08:44	22°♑21'21	4.18747 AU
direct	-9351 Nov 18 j 10:36	17°♑15'20	
	-9350 Feb 26 j 20:30	0°♒	
evening set	-9350 Mar 26 j 20:40	6°♒05'11	
conjunction	-9350 Apr 09 j 12:19	9°♒09'03	-1°01'30
minimum elong	-9350 Apr 09 j 12:24	9°♒09'06	1°01'59
max. Earth dist.	-9350 Apr 09 j 15:25	9°♒10'47	6.22821 AU
morning rise	-9350 Apr 23 j 01:43	12°♒11'42	
	-9350 May 05 j 18:12	15°♒	
	-9350 Aug 13 j 08:30	0°♓	
retrograde	-9350 Aug 24 j 02:31	0°♓11'27	
	-9350 Sep 03 j 19:02	30℞♒	
opposition	-9350 Oct 22 j 07:13	25°♒14'03	-0°56'18
min. Earth dist.	-9350 Oct 22 j 11:38	25°♒12'34	4.26696 AU
direct	-9350 Dec 22 j 06:38	20°♒09'49	
	-9349 Mar 19 j 17:50	0°♓	
evening set	-9349 Apr 30 j 02:21	8°♓40'10	
conjunction	-9349 May 13 j 11:51	11°♓38'43	-0°11'17
minimum elong	-9349 May 13 j 11:52	11°♓38'43	0°11'33
behind sun begin	-9349 May 13 j 06:03	11°♓35'30	
behind sun end	-9349 May 13 j 17:41	11°♓41'56	
max. Earth dist.	-9349 May 12 j 19:00	11°♓29'20	6.30022 AU
morning rise	-9349 May 26 j 18:09	14°♓35'32	
asc. node	-9349 Aug 04 j 18:26	28°♓06'06	
	-9349 Aug 19 j 19:14	0°♈	
retrograde	-9349 Sep 24 j 18:01	2°♈01'26	
	-9349 Oct 30 j 19:50	30℞♓	
opposition	-9349 Nov 23 j 10:06	27°♓07'25	0°22'03
min. Earth dist.	-9349 Nov 24 j 01:46	27°♓02'17	4.32561 AU
direct	-9348 Jan 24 j 10:08	22°♓03'59	
	-9348 Apr 11 j 10:30	0°♈	
evening set	-9348 May 31 j 19:53	10°♈17'57	
conjunction	-9348 Jun 13 j 20:07	13°♈10'57	0°41'25
minimum elong	-9348 Jun 13 j 20:03	13°♈10'55	0°41'29
max. Earth dist.	-9348 Jun 12 j 16:08	12°♈55'24	6.34103 AU
morning rise	-9348 Jun 26 j 16:44	16°♈02'11	
	-9348 Sep 08 j 13:52	0°♉	
retrograde	-9348 Oct 25 j 06:20	3°♉16'45	
	-9348 Dec 11 j 23:52	30℞♈	
opposition	-9348 Dec 24 j 14:26	28°♈24'49	1°32'39
min. Earth dist.	-9348 Dec 25 j 12:18	28°♈17'48	4.34661 AU
direct	-9347 Feb 25 j 02:00	23°♈23'41	
	-9347 May 06 j 13:17	0°♉	
evening set	-9347 Jul 02 j 11:36	11°♉28'32	
max. Earth dist.	-9347 Jul 13 j 17:15	13°♉58'56	6.33937 AU
conjunction	-9347 Jul 15 j 02:20	14°♉17'27	1°21'36
minimum elong	-9347 Jul 15 j 02:15	14°♉17'25	1°21'56
	-9347 Jul 18 j 06:22	15°♉	
morning rise	-9347 Jul 27 j 14:43	17°♉05'13	
	-9347 Oct 01 j 11:35	0°♊	
retrograde	-9347 Nov 26 j 10:18	4°♊31'51	
	-9346 Jan 23 j 17:57	30℞♉	
opposition	-9346 Jan 26 j 08:32	29°♉40'09	2°16'35
min. Earth dist.	-9346 Jan 27 j 07:20	29°♉32'55	4.32365 AU
direct	-9346 Mar 29 j 17:19	24°♉41'57	
	-9346 May 30 j 15:28	0°♊	
evening set	-9346 Aug 02 j 15:46	12°♊46'01	
max. Earth dist.	-9346 Aug 13 j 22:40	15°♊19'07	6.29580 AU
conjunction	-9346 Aug 15 j 01:23	15°♊34'15	1°38'15
minimum elong	-9346 Aug 15 j 01:22	15°♊34'15	1°38'47
morning rise	-9346 Aug 27 j 09:57	18°♊22'07	
	-9346 Oct 23 j 04:43	0°♋	
retrograde	-9346 Dec 29 j 15:16	6°♋20'18	
opposition	-9345 Mar 01 j 00:59	1°♋26'59	2°20'51
min. Earth dist.	-9345 Mar 01 j 16:26	1°♋22'06	4.26278 AU
	-9345 Mar 12 j 15:27	30℞♊	
direct	-9345 May 01 j 14:42	26°♊31'45	
	-9345 Jun 19 j 06:48	0°♋	
evening set	-9345 Sep 03 j 01:50	14°♋42'32	
conjunction	-9345 Sep 15 j 12:28	17°♋34'07	1°25'37
minimum elong	-9345 Sep 15 j 12:31	17°♋34'10	1°26'11
max. Earth dist.	-9345 Sep 14 j 22:14	17°♋25'55	6.22255 AU
morning rise	-9345 Sep 28 j 00:10	20°♋26'24	
	-9345 Nov 11 j 10:31	0°♌	
retrograde	-9344 Feb 02 j 07:39	9°♌08'05	
opposition	-9344 Apr 03 j 18:24	4°♌11'35	1°41'04
min. Earth dist.	-9344 Apr 03 j 22:26	4°♌10'18	4.18154 AU
	-9344 May 13 j 05:15	30℞♋	
direct	-9344 Jun 03 j 04:59	29°♋18'16	
	-9344 Jun 24 j 01:06	0°♌	
	-9344 Sep 22 j 17:41	15°♌	
evening set	-9344 Oct 04 j 12:10	17°♌42'14	
conjunction	-9344 Oct 17 j 05:59	20°♌40'26	0°45'22
minimum elong	-9344 Oct 17 j 06:03	20°♌40'28	0°45'47

Attention, astronomical year style is used: The year -9344 in astronomical counting style is the year 9345 BCE in historical counting style.

max. Earth dist.	-9344 Oct 17 j 10:23	20°♌43'00	6.14133 AU
morning rise	-9344 Oct 30 j 02:27	23°♌40'10	
	-9344 Nov 27 j 05:39	0°♍	
retrograde	-9343 Mar 09 j 03:46	13°♍05'31	
opposition	-9343 May 09 j 06:37	8°♍05'08	0°25'55
min. Earth dist.	-9343 May 08 j 20:38	8°♍08'25	4.10612 AU
direct	-9343 Jul 07 j 10:43	3°♍12'08	
desc. node	-9343 Sep 04 j 09:42	8°♍30'22	
evening set	-9343 Nov 07 j 14:01	21°♍53'54	
conjunction	-9343 Nov 20 j 17:14	24°♍59'00	-0°11'22
minimum elong	-9343 Nov 20 j 17:13	24°♍58'59	0°11'14
behind sun begin	-9343 Nov 20 j 11:10	24°♍55'27	
behind sun end	-9343 Nov 20 j 23:16	25°♍02'32	
max. Earth dist.	-9343 Nov 21 j 15:11	25°♍11'54	6.07895 AU
morning rise	-9343 Dec 04 j 00:04	28°♍06'03	
	-9343 Dec 12 j 04:33	0°♎	
retrograde	-9342 Apr 14 j 14:00	18°♎01'00	
min. Earth dist.	-9342 Jun 13 j 05:37	13°♎03'54	4.06271 AU
opposition	-9342 Jun 14 j 01:25	12°♎57'16	-1°00'30
direct	-9342 Aug 11 j 09:04	8°♎02'36	
evening set	-9342 Dec 13 j 09:57	27°♎01'55	
conjunction	-9342 Dec 26 j 21:14	0°♏11'19	-1°04'50
minimum elong	-9342 Dec 26 j 21:09	0°♏11'16	1°05'03
	-9342 Dec 26 j 01:57	0°♏	
max. Earth dist.	-9342 Dec 28 j 07:55	0°♏31'40	6.05793 AU
morning rise	-9341 Jan 09 j 11:30	3°♏22'17	
	-9341 Mar 04 j 09:00	15°♏	
retrograde	-9341 May 20 j 17:29	23°♏19'35	
opposition	-9341 Jul 19 j 11:03	18°♏14'30	-2°05'25
min. Earth dist.	-9341 Jul 18 j 12:44	18°♏22'06	4.06765 AU
	-9341 Aug 14 j 11:47	15°℞♏	
direct	-9341 Sep 15 j 14:39	13°♏16'48	
	-9341 Oct 17 j 21:04	15°♏	
	-9340 Jan 08 j 18:31	0°♐	
evening set	-9340 Jan 19 j 08:43	2°♐25'31	
conjunction	-9340 Feb 02 j 00:30	5°♐35'25	-1°34'39
minimum elong	-9340 Feb 02 j 00:28	5°♐35'23	1°35'09
max. Earth dist.	-9340 Feb 03 j 08:39	5°♐54'04	6.08691 AU
morning rise	-9340 Feb 15 j 18:05	8°♐46'03	
retrograde	-9340 Jun 23 j 17:28	28°♐15'08	
opposition	-9340 Aug 21 j 22:48	23°♐11'12	-2°24'00
min. Earth dist.	-9340 Aug 21 j 05:19	23°♐17'11	4.11868 AU
direct	-9340 Oct 19 j 17:08	18°♐10'05	
	-9339 Jan 22 j 03:59	0°♑	
evening set	-9339 Feb 24 j 04:27	7°♑14'17	
conjunction	-9339 Mar 09 j 21:50	10°♑21'50	-1°30'08
minimum elong	-9339 Mar 09 j 21:54	10°♑21'52	1°30'42
max. Earth dist.	-9339 Mar 10 j 17:55	10°♑33'18	6.15546 AU
morning rise	-9339 Mar 23 j 14:39	13°♑28'58	
	-9339 Jun 20 j 08:52	0°♒	
retrograde	-9339 Jul 27 j 08:30	2°♒10'29	
	-9339 Sep 02 j 01:40	30°℞♑	
opposition	-9339 Sep 24 j 08:50	27°♑09'44	-1°52'18
min. Earth dist.	-9339 Sep 24 j 02:20	27°♑11'57	4.19770 AU
direct	-9339 Nov 23 j 06:27	22°♑06'17	
	-9338 Feb 07 j 05:18	0°♒	
evening set	-9338 Mar 31 j 19:25	10°♒53'42	
conjunction	-9338 Apr 14 j 10:26	13°♒56'54	-0°55'10
minimum elong	-9338 Apr 14 j 10:30	13°♒56'57	0°55'36
max. Earth dist.	-9338 Apr 14 j 10:45	13°♒57'05	6.23941 AU
	-9338 Apr 19 j 02:50	15°♒	
morning rise	-9338 Apr 27 j 23:10	16°♒58'49	
	-9338 Jul 02 j 13:10	0°♓	
retrograde	-9338 Aug 28 j 14:18	4°♓52'30	
opposition	-9338 Oct 26 j 21:02	29°♒55'33	-0°45'36
	-9338 Oct 26 j 07:41	30°℞♒	
min. Earth dist.	-9338 Oct 27 j 02:23	29°♒53'46	4.27833 AU
direct	-9338 Dec 27 j 00:09	24°♒51'21	
	-9337 Feb 25 j 19:36	0°♓	
evening set	-9337 May 04 j 19:20	13°♓18'14	
max. Earth dist.	-9337 May 17 j 10:26	16°♓06'15	6.31124 AU
conjunction	-9337 May 18 j 03:42	16°♓15'50	-0°03'42
minimum elong	-9337 May 18 j 03:41	16°♓15'50	0°03'54
behind sun begin	-9337 May 17 j 19:37	16°♓11'22	
behind sun end	-9337 May 18 j 11:45	16°♓20'18	
morning rise	-9337 May 31 j 08:33	19°♓11'38	
asc. node	-9337 Jun 14 j 01:39	22°♓11'17	
	-9337 Jul 23 j 13:15	0°♈	
retrograde	-9337 Sep 29 j 03:30	6°♈33'14	
opposition	-9337 Nov 27 j 22:17	1°♈39'34	0°32'51
min. Earth dist.	-9337 Nov 28 j 14:42	1°♈34'13	4.33544 AU
	-9337 Dec 10 j 21:57	30°℞♓	
direct	-9336 Jan 29 j 01:29	26°♓36'26	
	-9336 Mar 18 j 03:02	0°♈	
evening set	-9336 Jun 05 j 07:20	14°♈46'50	
max. Earth dist.	-9336 Jun 17 j 00:03	17°♈22'15	6.34874 AU
conjunction	-9336 Jun 18 j 05:59	17°♈38'51	0°48'00
minimum elong	-9336 Jun 18 j 05:54	17°♈38'49	0°48'07
morning rise	-9336 Jul 01 j 01:21	20°♈29'14	
	-9336 Aug 16 j 03:46	0°♉	
retrograde	-9336 Oct 29 j 15:29	7°♉42'12	
opposition	-9336 Dec 29 j 02:15	2°♉50'20	1°40'33
min. Earth dist.	-9336 Dec 30 j 00:47	2°♉43'07	4.35181 AU
	-9335 Jan 21 j 17:38	30°℞♈	
direct	-9335 Mar 01 j 15:26	27°♈49'31	
	-9335 Apr 09 j 12:52	0°♉	
	-9335 Jul 02 j 21:08	15°♉	
evening set	-9335 Jul 06 j 18:34	15°♉51'40	
max. Earth dist.	-9335 Jul 18 j 00:43	18°♉22'20	6.34149 AU
conjunction	-9335 Jul 19 j 08:20	18°♉40'02	1°25'24
minimum elong	-9335 Jul 19 j 08:16	18°♉40'00	1°25'47
morning rise	-9335 Jul 31 j 19:37	21°♉27'16	
	-9335 Sep 10 j 09:36	0°♊	
retrograde	-9335 Nov 30 j 19:28	8°♊55'17	
opposition	-9334 Jan 30 j 21:07	4°♊03'27	2°19'34
min. Earth dist.	-9334 Jan 31 j 19:15	3°♊56'27	4.32254 AU
	-9334 Mar 09 j 13:34	30°℞♉	
direct	-9334 Apr 03 j 04:42	29°♉05'41	
	-9334 Apr 27 j 19:36	0°♊	
evening set	-9334 Aug 06 j 21:04	17°♊08'30	
max. Earth dist.	-9334 Aug 18 j 03:02	19°♊41'18	6.29137 AU
conjunction	-9334 Aug 19 j 06:11	19°♊56'43	1°38'16
minimum elong	-9334 Aug 19 j 06:11	19°♊56'43	1°38'48
morning rise	-9334 Aug 31 j 14:48	22°♊44'46	
	-9334 Oct 04 j 02:09	0°♋	
retrograde	-9333 Jan 03 j 05:22	10°♋47'05	
opposition	-9333 Mar 05 j 15:36	5°♋53'25	2°17'57
min. Earth dist.	-9333 Mar 06 j 06:48	5°♋48'35	4.25512 AU
direct	-9333 May 06 j 03:16	0°♋58'25	
evening set	-9333 Sep 07 j 08:23	19°♋09'58	
conjunction	-9333 Sep 19 j 19:47	22°♋02'17	1°21'40
minimum elong	-9333 Sep 19 j 19:51	22°♋02'19	1°22'13
max. Earth dist.	-9333 Sep 19 j 07:28	21°♋55'11	6.21249 AU
morning rise	-9333 Oct 02 j 08:18	24°♋55'23	

Attention, astronomical year style is used: The year -9333 in astronomical counting style is the year 9334 BCE in historical counting style.

	-9333 Oct 24 j 23:52	0°♌		
retrograde	-9332 Feb 07 j 01:01	13°♌43'05		
opposition	-9332 Apr 08 j 11:38	8°♌46'09	1°32'41	
min. Earth dist.	-9332 Apr 08 j 14:09	8°♌45'20	4.16974 AU	
direct	-9332 Jun 07 j 17:25	3°♌52'59		
	-9332 Sep 06 j 04:32	15°♌		
evening set	-9332 Oct 08 j 23:30	22°♌19'43		
conjunction	-9332 Oct 21 j 18:29	25°♌18'59	0°38'22	
minimum elong	-9332 Oct 21 j 18:32	25°♌19'01	0°38'44	
max. Earth dist.	-9332 Oct 21 j 23:47	25°♌22'06	6.12891 AU	
morning rise	-9332 Nov 03 j 16:26	28°♌19'55		
	-9332 Nov 10 j 21:41	0°♍		
retrograde	-9331 Mar 14 j 02:04	17°♍51'46		
opposition	-9331 May 14 j 02:38	12°♍50'53	0°14'16	
min. Earth dist.	-9331 May 13 j 15:33	12°♍54'32	4.09401 AU	
direct	-9331 Jul 12 j 03:01	7°♍57'44		
desc. node	-9331 Jul 17 j 14:20	8°♍00'48		
evening set	-9331 Nov 12 j 08:22	26°♍43'44		
conjunction	-9331 Nov 25 j 13:02	29°♍49'54	-0°19'14	
minimum elong	-9331 Nov 25 j 13:00	29°♍49'52	0°19'10	
	-9331 Nov 26 j 06:12	0°♎		
max. Earth dist.	-9331 Nov 26 j 13:49	0°♎04'29	6.06848 AU	
morning rise	-9331 Dec 08 j 21:06	2°♎57'58		
retrograde	-9330 Apr 19 j 14:57	22°♎57'12		
opposition	-9330 Jun 18 j 22:50	17°♎53'13	-1°11'19	
min. Earth dist.	-9330 Jun 18 j 02:30	18°♎00'03	4.05523 AU	
direct	-9330 Aug 16 j 04:03	12°♎58'17		
	-9330 Dec 09 j 17:45	0°♏		
evening set	-9330 Dec 18 j 11:25	2°♏01'36		
conjunction	-9330 Dec 31 j 23:28	5°♏11'33	-1°10'40	
minimum elong	-9330 Dec 31 j 23:23	5°♏11'29	1°10'55	
max. Earth dist.	-9329 Jan 02 j 09:36	5°♏31'35	6.05391 AU	
morning rise	-9329 Jan 14 j 14:42	8°♏23'02		
	-9329 Feb 12 j 21:21	15°♏		
retrograde	-9329 May 25 j 16:04	28°♏20'11		
min. Earth dist.	-9329 Jul 23 j 08:52	23°♏22'54	4.06779 AU	
opposition	-9329 Jul 24 j 07:46	23°♏15'05	-2°11'02	
direct	-9329 Sep 20 j 11:49	18°♏16'54		
	-9329 Dec 22 j 01:05	0°♐		
evening set	-9328 Jan 24 j 13:07	7°♐27'27		
conjunction	-9328 Feb 07 j 05:31	10°♐37'23	-1°36'04	
minimum elong	-9328 Feb 07 j 05:30	10°♐37'22	1°36'35	
max. Earth dist.	-9328 Feb 08 j 14:27	10°♐56'28	6.09122 AU	
morning rise	-9328 Feb 20 j 23:08	13°♐47'50		
	-9328 May 14 j 04:00	0°♑		
retrograde	-9328 Jun 28 j 14:28	3°♑12'09		
	-9328 Aug 12 j 19:26	30°℞♐		
opposition	-9328 Aug 26 j 17:18	28°♐08'32	-2°22'19	
min. Earth dist.	-9328 Aug 26 j 01:13	28°♐14'03	4.12659 AU	
direct	-9328 Oct 24 j 14:55	23°♐07'02		
	-9327 Jan 01 j 16:47	0°♑		
evening set	-9327 Mar 01 j 06:49	12°♑09'52		
conjunction	-9327 Mar 15 j 00:05	15°♑16'56	-1°26'45	
minimum elong	-9327 Mar 15 j 00:09	15°♑16'59	1°27'20	
max. Earth dist.	-9327 Mar 15 j 18:09	15°♑27'14	6.16611 AU	
morning rise	-9327 Mar 28 j 16:38	18°♑23'29		
	-9327 May 23 j 13:24	0°♒		
retrograde	-9327 Jul 31 j 21:52	6°♒57'53		
opposition	-9327 Sep 28 j 23:46	1°♒57'35	-1°44'29	
min. Earth dist.	-9327 Sep 28 j 17:57	1°♒59'33	4.20979 AU	
	-9327 Oct 13 j 21:21	30°℞♑		
direct	-9327 Nov 28 j 00:47	26°♑53'52		

	-9326 Jan 12 j 15:11	0°♒		
	-9326 Apr 02 j 19:47	15°♒		
evening set	-9326 Apr 05 j 16:28	15°♒38'07		
conjunction	-9326 Apr 19 j 06:46	18°♒40'31	-0°48'31	
minimum elong	-9326 Apr 19 j 06:50	18°♒40'33	0°48'57	
max. Earth dist.	-9326 Apr 19 j 04:45	18°♒39'23	6.25189 AU	
morning rise	-9326 May 02 j 18:33	21°♒41'31		
	-9326 Jun 10 j 23:32	0°♓		
retrograde	-9326 Sep 02 j 01:37	9°♓29'00		
opposition	-9326 Oct 31 j 09:14	4°♓32'33	-0°34'44	
min. Earth dist.	-9326 Oct 31 j 16:50	4°♓30'02	4.28968 AU	
	-9326 Dec 13 j 08:01	30°℞♒		
direct	-9326 Dec 31 j 17:15	29°♒28'24		
	-9325 Jan 19 j 05:46	0°♓		
asc. node	-9325 Apr 23 j 10:14	14°♓23'26		
evening set	-9325 May 09 j 10:19	17°♓52'00		
conjunction	-9325 May 22 j 17:26	20°♓48'44	0°04'01	
minimum elong	-9325 May 22 j 17:26	20°♓48'44	0°03'52	
behind sun begin	-9325 May 22 j 09:23	20°♓44'17		
behind sun end	-9325 May 23 j 01:30	20°♓53'11		
max. Earth dist.	-9325 May 21 j 21:44	20°♓37'48	6.32031 AU	
morning rise	-9325 Jun 04 j 21:03	23°♓43'40		
	-9325 Jul 04 j 05:44	0°♈		
retrograde	-9325 Oct 03 j 11:37	11°♈02'08		
opposition	-9325 Dec 02 j 09:28	6°♈08'47	0°43'24	
min. Earth dist.	-9325 Dec 03 j 02:48	6°♈03'09	4.34164 AU	
direct	-9324 Feb 02 j 14:41	1°♈05'52		
evening set	-9324 Jun 09 j 17:37	19°♈14'14		
max. Earth dist.	-9324 Jun 21 j 08:48	21°♈48'49	6.35147 AU	
conjunction	-9324 Jun 22 j 14:55	22°♈05'33	0°54'21	
minimum elong	-9324 Jun 22 j 14:50	22°♈05'31	0°54'29	
morning rise	-9324 Jul 05 j 08:53	24°♈55'15		
	-9324 Jul 28 j 22:13	0°♉		
retrograde	-9324 Nov 03 j 01:23	12°♉08'43		
opposition	-9323 Jan 02 j 14:29	7°♉17'02	1°48'02	
min. Earth dist.	-9323 Jan 03 j 13:49	7°♉09'35	4.35095 AU	
direct	-9323 Mar 06 j 04:42	2°♉16'38		
	-9323 Jun 16 j 14:12	15°♉		
evening set	-9323 Jul 11 j 02:39	20°♉18'18		
max. Earth dist.	-9323 Jul 22 j 06:20	22°♉47'53	6.33684 AU	
conjunction	-9323 Jul 23 j 15:21	23°♉06'23	1°28'50	
minimum elong	-9323 Jul 23 j 15:17	23°♉06'21	1°29'15	
morning rise	-9323 Aug 05 j 02:02	25°♉53'31		
	-9323 Aug 23 j 20:13	0°♊		
retrograde	-9323 Dec 05 j 08:58	13°♊25'21		
opposition	-9322 Feb 04 j 12:08	8°♊33'22	2°21'56	
min. Earth dist.	-9322 Feb 05 j 09:54	8°♊26'27	4.31455 AU	
direct	-9322 Apr 07 j 17:47	3°♊35'56		
evening set	-9322 Aug 11 j 05:20	21°♊39'54		
conjunction	-9322 Aug 23 j 14:32	24°♊28'31	1°37'44	
minimum elong	-9322 Aug 23 j 14:33	24°♊28'31	1°38'17	
max. Earth dist.	-9322 Aug 22 j 13:52	24°♊14'29	6.28071 AU	
morning rise	-9322 Sep 04 j 23:10	27°♊17'02		
	-9322 Sep 17 j 02:18	0°♋		
retrograde	-9321 Jan 07 j 23:48	15°♋25'35		
opposition	-9321 Mar 10 j 10:37	10°♋31'36	2°14'10	
min. Earth dist.	-9321 Mar 11 j 00:30	10°♋27'11	4.24251 AU	
direct	-9321 May 10 j 18:18	5°♋36'57		
evening set	-9321 Sep 11 j 19:55	23°♋50'48		
conjunction	-9321 Sep 24 j 07:58	26°♋44'01	1°17'02	
minimum elong	-9321 Sep 24 j 08:03	26°♋44'04	1°17'34	

Attention, astronomical year style is used: The year -9321 in astronomical counting style is the year 9322 BCE in historical counting style.

max. Earth dist.	-9321 Sep 23 j 20:47	26°♋37'32	6.19909 AU	
morning rise	-9321 Oct 06 j 21:43	29°♋38'12		
	-9321 Oct 08 j 11:43	0°♌		
	-9321 Dec 24 j 15:28	15°♌		
retrograde	-9320 Feb 12 j 01:13	18°♌33'03		
	-9320 Apr 02 j 09:01	15°℞♌		
opposition	-9320 Apr 13 j 10:32	13°♌35'34	1°23'15	
min. Earth dist.	-9320 Apr 13 j 10:52	13°♌35'27	4.15651 AU	
direct	-9320 Jun 12 j 11:43	8°♌42'31		
	-9320 Aug 16 j 21:30	15°♌		
evening set	-9320 Oct 13 j 16:41	27°♌12'21		
	-9320 Oct 25 j 15:25	0°♍		
conjunction	-9320 Oct 26 j 13:10	0°♍12'45	0°30'44	
minimum elong	-9320 Oct 26 j 13:13	0°♍12'47	0°31'05	
max. Earth dist.	-9320 Oct 26 j 22:43	0°♍18'21	6.11751 AU	
morning rise	-9320 Nov 08 j 12:30	3°♍14'50		
retrograde	-9319 Mar 19 j 05:37	22°♍52'04		
opposition	-9319 May 19 j 03:37	17°♍50'44	0°01'57	
min. Earth dist.	-9319 May 18 j 14:57	17°♍54'55	4.08580 AU	
desc. node	-9319 May 27 j 21:29	16°♍42'11		
direct	-9319 Jul 17 j 00:27	12°♍57'32		
	-9319 Nov 09 j 17:52	0°♎		
evening set	-9319 Nov 17 j 08:13	1°♎46'10		
conjunction	-9319 Nov 30 j 13:56	4°♎53'01	-0°27'19	
minimum elong	-9319 Nov 30 j 13:53	4°♎52'59	0°27'18	
max. Earth dist.	-9319 Dec 01 j 15:59	5°♎08'21	6.06430 AU	
morning rise	-9319 Dec 13 j 23:24	8°♎01'49		
retrograde	-9318 Apr 24 j 16:16	28°♎02'02		
opposition	-9318 Jun 23 j 22:59	22°♎57'42	-1°21'53	
min. Earth dist.	-9318 Jun 23 j 00:44	23°♎05'13	4.05587 AU	
direct	-9318 Aug 21 j 02:58	18°♎02'22		
	-9318 Nov 22 j 02:52	0°♏		
evening set	-9318 Dec 23 j 15:03	7°♏06'25		
conjunction	-9317 Jan 06 j 04:00	10°♏16'25	-1°16'05	
minimum elong	-9317 Jan 06 j 03:54	10°♏16'22	1°16'23	
max. Earth dist.	-9317 Jan 07 j 16:24	10°♏37'45	6.05927 AU	
morning rise	-9317 Jan 19 j 19:34	13°♏27'47		
	-9317 Jan 26 j 11:07	15°♏		
	-9317 Apr 13 j 21:25	0°♐		
retrograde	-9317 May 30 j 15:25	3°♐20'35		
	-9317 Jul 16 j 03:58	30°℞♏		
min. Earth dist.	-9317 Jul 28 j 06:29	28°♏22'58	4.07739 AU	
opposition	-9317 Jul 29 j 04:20	28°♏15'30	-2°15'38	
direct	-9317 Sep 25 j 10:56	23°♏16'49		
	-9317 Dec 01 j 15:31	0°♐		
evening set	-9316 Jan 29 j 16:11	12°♐25'27		
conjunction	-9316 Feb 12 j 08:45	15°♐34'52	-1°36'48	
minimum elong	-9316 Feb 12 j 08:44	15°♐34'52	1°37'19	
max. Earth dist.	-9316 Feb 13 j 16:01	15°♐52'55	6.10392 AU	
morning rise	-9316 Feb 26 j 02:26	18°♐44'43		
	-9316 Apr 19 j 00:07	0°♑		
retrograde	-9316 Jul 03 j 04:37	8°♑01'00		
opposition	-9316 Aug 31 j 08:24	2°♑57'43	-2°19'39	
min. Earth dist.	-9316 Aug 30 j 16:52	3°♑03'02	4.14112 AU	
	-9316 Sep 23 j 14:49	30°℞♐		
direct	-9316 Oct 29 j 09:02	27°♐55'47		
	-9316 Dec 04 j 14:04	0°♑		
evening set	-9315 Mar 06 j 05:06	16°♑55'03		
conjunction	-9315 Mar 19 j 22:06	20°♑01'23	-1°22'55	
minimum elong	-9315 Mar 19 j 22:11	20°♑01'26	1°23'28	
max. Earth dist.	-9315 Mar 20 j 12:38	20°♑09'38	6.18126 AU	
morning rise	-9315 Apr 02 j 14:11	23°♑07'04		
	-9315 May 04 j 04:57	0°♒		
retrograde	-9315 Aug 05 j 08:52	11°♒33'22		
opposition	-9315 Oct 03 j 10:31	6°♒33'35	-1°36'18	
min. Earth dist.	-9315 Oct 03 j 07:45	6°♒34'31	4.22386 AU	
direct	-9315 Dec 02 j 17:14	1°♒29'40		
	-9314 Mar 17 j 12:29	15°♒		
evening set	-9314 Apr 10 j 08:18	20°♒10'15		
conjunction	-9314 Apr 23 j 21:58	23°♒11'54	-0°41'52	
minimum elong	-9314 Apr 23 j 22:02	23°♒11'56	0°42'16	
max. Earth dist.	-9314 Apr 23 j 17:12	23°♒09'13	6.26378 AU	
morning rise	-9314 May 07 j 08:48	26°♒12'02		
	-9314 May 24 j 17:44	0°♓		
retrograde	-9314 Sep 06 j 07:10	13°♓54'12		
opposition	-9314 Nov 04 j 17:28	8°♓58'14	-0°24'07	
min. Earth dist.	-9314 Nov 05 j 02:17	8°♓55'18	4.29847 AU	
direct	-9313 Jan 05 j 04:07	3°♓54'07		
asc. node	-9313 Mar 04 j 20:40	8°♓41'24		
evening set	-9313 May 13 j 21:12	22°♓15'36		
max. Earth dist.	-9313 May 26 j 04:19	24°♓59'00	6.32533 AU	
conjunction	-9313 May 27 j 03:02	25°♓11'37	0°11'16	
minimum elong	-9313 May 27 j 03:01	25°♓11'36	0°11'09	
behind sun begin	-9313 May 26 j 21:00	25°♓08'17		
behind sun end	-9313 May 27 j 09:01	25°♓14'55		
morning rise	-9313 Jun 09 j 05:26	28°♓05'51		
	-9313 Jun 17 j 21:45	0°♈		
retrograde	-9313 Oct 07 j 19:23	15°♈22'59		
opposition	-9313 Dec 06 j 18:04	10°♈30'01	0°53'23	
min. Earth dist.	-9313 Dec 07 j 13:42	10°♈23'40	4.34262 AU	
direct	-9312 Feb 07 j 02:10	5°♈27'23		
evening set	-9312 Jun 14 j 01:35	23°♈35'35		
conjunction	-9312 Jun 26 j 21:42	26°♈26'31	1°00'13	
minimum elong	-9312 Jun 26 j 21:37	26°♈26'28	1°00'24	
max. Earth dist.	-9312 Jun 25 j 13:49	26°♈08'47	6.34811 AU	
morning rise	-9312 Jul 09 j 14:35	29°♈15'53		
	-9312 Jul 12 j 22:32	0°♉		
	-9312 Oct 06 j 22:16	15°♉		
retrograde	-9312 Nov 07 j 10:41	16°♉32'03		
	-9312 Dec 09 j 05:43	15°℞♉		
opposition	-9311 Jan 07 j 01:55	11°♉40'25	1°54'46	
min. Earth dist.	-9311 Jan 08 j 01:00	11°♉33'03	4.34388 AU	
direct	-9311 Mar 10 j 14:29	6°♉40'24		
	-9311 May 29 j 14:16	15°♉		
evening set	-9311 Jul 15 j 10:09	24°♉43'40		
conjunction	-9311 Jul 27 j 22:09	27°♉31'50	1°31'40	
minimum elong	-9311 Jul 27 j 22:06	27°♉31'48	1°32'06	
max. Earth dist.	-9311 Jul 26 j 14:35	27°♉14'04	6.32651 AU	
	-9311 Aug 07 j 22:00	0°♊		
morning rise	-9311 Aug 09 j 08:10	0°♊19'06		
retrograde	-9311 Dec 10 j 00:41	17°♊56'45		
opposition	-9310 Feb 09 j 04:24	13°♊04'40	2°23'26	
min. Earth dist.	-9310 Feb 10 j 01:42	12°♊57'55	4.30178 AU	
direct	-9310 Apr 12 j 07:36	8°♊07'43		
evening set	-9310 Aug 15 j 14:52	26°♊14'11		
max. Earth dist.	-9310 Aug 27 j 00:06	28°♊49'43	6.26648 AU	
conjunction	-9310 Aug 28 j 00:02	29°♊03'23	1°36'32	
minimum elong	-9310 Aug 28 j 00:04	29°♊03'24	1°37'06	
	-9310 Sep 01 j 03:13	0°♋		
morning rise	-9310 Sep 09 j 09:12	1°♋52'41		
retrograde	-9309 Jan 12 j 20:55	20°♋08'39		
opposition	-9309 Mar 15 j 07:46	15°♋14'14	2°09'24	
min. Earth dist.	-9309 Mar 15 j 18:57	15°♋10'40	4.22790 AU	
direct	-9309 May 15 j 10:24	10°♋19'55		

Attention, astronomical year style is used: The year -9309 in astronomical counting style is the year 9310 BCE in historical counting style.

evening set	-9309 Sep 16 j 09:32	28°♋36'33	
	-9309 Sep 22 j 10:04	0°♌	
conjunction	-9309 Sep 28 j 22:42	1°♌30'47	1°11'46
minimum elong	-9309 Sep 28 j 22:47	1°♌30'50	1°12'16
max. Earth dist.	-9309 Sep 28 j 16:12	1°♌27'01	6.18558 AU
morning rise	-9309 Oct 11 j 13:28	4°♌26'03	
	-9309 Nov 29 j 20:19	15°♌	
retrograde	-9308 Feb 17 j 03:37	23°♌27'41	
opposition	-9308 Apr 18 j 11:18	18°♌29'40	1°13'01
min. Earth dist.	-9308 Apr 18 j 09:43	18°♌30'11	4.14507 AU
	-9308 May 18 j 16:07	15°℞♌	
direct	-9308 Jun 17 j 08:17	13°♌36'47	
	-9308 Jul 16 j 18:15	15°♌	
	-9308 Oct 09 j 05:02	0°♍	
evening set	-9308 Oct 18 j 11:53	2°♍08'55	
conjunction	-9308 Oct 31 j 09:30	5°♍10'15	0°22'47
minimum elong	-9308 Oct 31 j 09:33	5°♍10'16	0°23'05
max. Earth dist.	-9308 Oct 31 j 21:02	5°♍17'01	6.10902 AU
morning rise	-9308 Nov 13 j 10:29	8°♍13'24	
retrograde	-9307 Mar 24 j 07:30	27°♍54'39	
desc. node	-9307 Apr 06 j 16:15	27°♍37'41	
opposition	-9307 May 24 j 05:11	22°♍52'45	-0°10'32
min. Earth dist.	-9307 May 23 j 13:41	22°♍57'53	4.08091 AU
direct	-9307 Jul 21 j 22:36	17°♍59'21	
	-9307 Oct 23 j 05:57	0°♎	
evening set	-9307 Nov 22 j 08:33	6°♎49'32	
conjunction	-9307 Dec 05 j 15:31	9°♎56'56	-0°35'15
minimum elong	-9307 Dec 05 j 15:28	9°♎56'53	0°35'17
max. Earth dist.	-9307 Dec 06 j 21:01	10°♎14'17	6.06322 AU
morning rise	-9307 Dec 19 j 01:51	13°♎06'10	
	-9306 Mar 15 j 12:06	0°♏	
retrograde	-9306 Apr 29 j 19:12	3°♏06'11	
	-9306 Jun 13 j 22:18	30°℞♎	
opposition	-9306 Jun 28 j 22:35	28°♎01'37	-1°31'51
min. Earth dist.	-9306 Jun 28 j 00:40	28°♎09'02	4.05873 AU
direct	-9306 Aug 26 j 03:03	23°♎05'53	
	-9306 Nov 01 j 19:28	0°♏	
evening set	-9306 Dec 28 j 18:40	12°♏10'15	
	-9305 Jan 09 j 21:35	15°♏	
conjunction	-9305 Jan 11 j 08:07	15°♏20'11	-1°20'57
minimum elong	-9305 Jan 11 j 08:02	15°♏20'08	1°21'19
max. Earth dist.	-9305 Jan 12 j 20:03	15°♏41'11	6.06546 AU
morning rise	-9305 Jan 25 j 00:15	18°♏31'25	
	-9305 Mar 19 j 08:07	0°♐	
retrograde	-9305 Jun 04 j 11:19	8°♐19'36	
opposition	-9305 Aug 02 j 23:43	3°♐14'39	-2°19'19
min. Earth dist.	-9305 Aug 02 j 01:41	3°♐22'11	4.08659 AU
	-9305 Aug 28 j 22:37	30°℞♏	
direct	-9305 Sep 30 j 07:05	28°♏15'31	
	-9305 Nov 01 j 22:22	0°♐	
evening set	-9304 Feb 03 j 18:52	17°♐22'51	
conjunction	-9304 Feb 17 j 11:37	20°♐31'51	-1°36'54
minimum elong	-9304 Feb 17 j 11:37	20°♐31'51	1°37'27
max. Earth dist.	-9304 Feb 18 j 16:18	20°♐48'23	6.11523 AU
morning rise	-9304 Mar 02 j 05:13	23°♐41'07	
	-9304 Mar 30 j 15:45	0°♑	
retrograde	-9304 Jul 07 j 21:01	12°♑50'22	
opposition	-9304 Sep 04 j 23:41	7°♑47'30	-2°16'09
min. Earth dist.	-9304 Sep 04 j 10:43	7°♑51'56	4.15334 AU
direct	-9304 Nov 03 j 05:03	2°♑45'13	
evening set	-9303 Mar 11 j 03:25	21°♑41'50	
conjunction	-9303 Mar 24 j 20:19	24°♑47'35	-1°18'34
minimum elong	-9303 Mar 24 j 20:24	24°♑47'38	1°19'06
max. Earth dist.	-9303 Mar 25 j 08:59	24°♑54'45	6.19358 AU
morning rise	-9303 Apr 07 j 11:48	27°♑52'31	
	-9303 Apr 17 j 00:22	0°♒	
	-9303 Jul 13 j 15:25	15°♒	
retrograde	-9303 Aug 09 j 19:04	16°♒11'58	
	-9303 Sep 05 j 19:21	15°℞♒	
opposition	-9303 Oct 07 j 22:13	11°♒12'45	-1°27'32
min. Earth dist.	-9303 Oct 07 j 20:31	11°♒13'19	4.23520 AU
direct	-9303 Dec 07 j 08:18	6°♒08'43	
	-9302 Feb 27 j 02:52	15°♒	
evening set	-9302 Apr 15 j 01:38	24°♒46'38	
conjunction	-9302 Apr 28 j 14:19	27°♒47'32	-0°34'52
minimum elong	-9302 Apr 28 j 14:23	27°♒47'34	0°35'14
max. Earth dist.	-9302 Apr 28 j 05:24	27°♒42'33	6.27340 AU
	-9302 May 08 j 11:48	0°♓	
morning rise	-9302 May 12 j 00:17	0°♓46'55	
retrograde	-9302 Sep 10 j 17:11	18°♓24'37	
opposition	-9302 Nov 09 j 03:46	13°♓29'09	-0°13'12
min. Earth dist.	-9302 Nov 09 j 15:20	13°♓25'20	4.30559 AU
direct	-9301 Jan 09 j 19:07	8°♓25'07	
asc. node	-9301 Jan 13 j 14:55	8°♓26'29	
evening set	-9301 May 18 j 09:47	26°♓44'50	
conjunction	-9301 May 31 j 14:31	29°♓40'11	0°18'37
minimum elong	-9301 May 31 j 14:29	29°♓40'10	0°18'32
max. Earth dist.	-9301 May 30 j 14:42	29°♓26'58	6.32944 AU
	-9301 Jun 02 j 02:12	0°♈	
morning rise	-9301 Jun 13 j 15:32	2°♈33'42	
retrograde	-9301 Oct 12 j 03:26	19°♈49'49	
opposition	-9301 Dec 11 j 05:01	14°♈57'08	1°03'18
min. Earth dist.	-9301 Dec 12 j 00:40	14°♈50'47	4.34372 AU
direct	-9300 Feb 11 j 13:17	9°♈54'48	
evening set	-9300 Jun 18 j 11:17	28°♈02'28	
	-9300 Jun 27 j 07:05	0°♉	
max. Earth dist.	-9300 Jun 29 j 21:25	0°♉34'44	6.34606 AU
conjunction	-9300 Jul 01 j 06:00	0°♉52'54	1°05'53
minimum elong	-9300 Jul 01 j 05:56	0°♉52'51	1°06'07
morning rise	-9300 Jul 13 j 21:47	3°♉41'51	
	-9300 Sep 07 j 23:52	15°♉	
retrograde	-9300 Nov 11 j 23:40	21°♉00'17	
opposition	-9299 Jan 11 j 15:36	16°♉08'45	2°01'02
min. Earth dist.	-9299 Jan 12 j 15:31	16°♉01'08	4.33906 AU
	-9299 Jan 20 j 17:17	15°℞♉	
direct	-9299 Mar 15 j 04:29	11°♉09'10	
	-9299 May 06 j 12:26	15°♉	
evening set	-9299 Jul 19 j 18:52	29°♉12'51	
	-9299 Jul 23 j 07:05	0°♊	
max. Earth dist.	-9299 Jul 30 j 23:04	1°♊43'26	6.31928 AU
conjunction	-9299 Aug 01 j 06:09	2°♊00'57	1°34'05
minimum elong	-9299 Aug 01 j 06:06	2°♊00'55	1°34'32
morning rise	-9299 Aug 13 j 15:42	4°♊48'18	
retrograde	-9299 Dec 14 j 15:42	22°♊30'33	
opposition	-9298 Feb 13 j 21:23	17°♊38'12	2°24'08
min. Earth dist.	-9298 Feb 14 j 16:35	17°♊32'07	4.29295 AU
direct	-9298 Apr 16 j 20:42	12°♊41'41	
	-9298 Aug 16 j 09:48	0°♋	
evening set	-9298 Aug 20 j 00:33	0°♋49'05	
conjunction	-9298 Sep 01 j 09:56	3°♋38'43	1°34'48
minimum elong	-9298 Sep 01 j 09:58	3°♋38'45	1°35'23
max. Earth dist.	-9298 Aug 31 j 13:29	3°♋27'02	6.25696 AU
morning rise	-9298 Sep 13 j 19:21	6°♋28'34	

Attention, astronomical year style is used: The year -9297 in astronomical counting style is the year 9298 BCE in historical counting style.

retrograde	-9297 Jan 17 j 17:56	24°♋50'06	
opposition	-9297 Mar 20 j 04:16	19°♋55'14	2°03'52
min. Earth dist.	-9297 Mar 20 j 14:20	19°♋52'02	4.21822 AU
direct	-9297 May 20 j 04:02	15°♋01'14	
	-9297 Sep 06 j 08:29	0°♌	
evening set	-9297 Sep 20 j 22:00	3°♌18'52	
conjunction	-9297 Oct 03 j 11:59	6°♌13'52	1°06'08
minimum elong	-9297 Oct 03 j 12:03	6°♌13'54	1°06'38
max. Earth dist.	-9297 Oct 03 j 07:13	6°♌11'06	6.17666 AU
morning rise	-9297 Oct 16 j 04:05	9°♌10'04	
	-9297 Nov 11 j 03:32	15°♌	
retrograde	-9296 Feb 22 j 01:12	28°♌16'42	
opposition	-9296 Apr 23 j 09:31	23°♌18'04	1°02'29
min. Earth dist.	-9296 Apr 23 j 04:54	23°♌19'34	4.13750 AU
direct	-9296 Jun 22 j 02:00	18°♌25'13	
	-9296 Sep 22 j 05:09	0°♍	
evening set	-9296 Oct 23 j 04:44	6°♍58'34	
conjunction	-9296 Nov 05 j 03:44	10°♍00'43	0°14'52
minimum elong	-9296 Nov 05 j 03:46	10°♍00'44	0°15'08
behind sun begin	-9296 Nov 05 j 00:50	9°♍59'01	
behind sun end	-9296 Nov 05 j 06:41	10°♍02'27	
max. Earth dist.	-9296 Nov 05 j 19:05	10°♍09'43	6.10354 AU
morning rise	-9296 Nov 18 j 05:54	13°♍04'40	
	-9295 Feb 13 j 23:45	0°♎	
desc. node	-9295 Feb 15 j 12:22	0°♎11'06	
retrograde	-9295 Mar 29 j 08:32	2°♎48'43	
	-9295 May 11 j 17:05	30°℞♍	
min. Earth dist.	-9295 May 28 j 11:25	27°♍51'36	4.07790 AU
opposition	-9295 May 29 j 03:12	27°♍46'22	-0°22'35
direct	-9295 Jul 26 j 19:20	22°♍52'42	
	-9295 Oct 03 j 18:25	0°♎	
evening set	-9295 Nov 27 j 06:16	11°♎44'11	
conjunction	-9295 Dec 10 j 14:09	14°♎52'00	-0°42'42
minimum elong	-9295 Dec 10 j 14:05	14°♎51'57	0°42'46
max. Earth dist.	-9295 Dec 11 j 20:14	15°♎09'41	6.06278 AU
morning rise	-9295 Dec 24 j 01:36	18°♎01'40	
	-9294 Feb 17 j 17:18	0°♏	
retrograde	-9294 May 04 j 16:25	8°♏01'05	
opposition	-9294 Jul 03 j 18:19	2°♏56'21	-1°40'53
min. Earth dist.	-9294 Jul 02 j 19:23	3°♏04'07	4.06112 AU
	-9294 Jul 27 j 02:06	30°℞♎	
direct	-9294 Aug 30 j 21:06	28°♎00'11	
	-9294 Oct 04 j 16:37	0°♏	
	-9294 Dec 24 j 17:44	15°♏	
evening set	-9293 Jan 02 j 19:10	17°♏05'20	
conjunction	-9293 Jan 16 j 09:14	20°♏15'17	-1°25'07
minimum elong	-9293 Jan 16 j 09:09	20°♏15'15	1°25'30
max. Earth dist.	-9293 Jan 17 j 20:01	20°♏35'36	6.07022 AU
morning rise	-9293 Jan 30 j 01:44	23°♏26'25	
	-9293 Feb 28 j 06:23	0°♐	
retrograde	-9293 Jun 09 j 05:59	13°♐10'49	
opposition	-9293 Aug 07 j 16:26	8°♐06'01	-2°21'56
min. Earth dist.	-9293 Aug 06 j 20:12	8°♐12'57	4.09319 AU
direct	-9293 Oct 05 j 02:38	3°♐06'25	
evening set	-9292 Feb 08 j 19:02	22°♐13'27	
conjunction	-9292 Feb 22 j 12:08	25°♐22'14	-1°36'19
minimum elong	-9292 Feb 22 j 12:09	25°♐22'15	1°36'53
max. Earth dist.	-9292 Feb 23 j 15:40	25°♐38'04	6.12318 AU
morning rise	-9292 Mar 07 j 05:36	28°♐31'07	
	-9292 Mar 13 j 18:15	0°♑	
retrograde	-9292 Jul 12 j 11:03	17°♑34'35	
opposition	-9292 Sep 09 j 13:05	12°♑32'14	-2°11'51
min. Earth dist.	-9292 Sep 09 j 01:06	12°♑36'20	4.16193 AU
direct	-9292 Nov 07 j 21:03	7°♑29'41	
evening set	-9291 Mar 16 j 00:44	26°♑25'05	
conjunction	-9291 Mar 29 j 17:14	29°♑30'23	-1°13'45
minimum elong	-9291 Mar 29 j 17:20	29°♑30'26	1°14'16
max. Earth dist.	-9291 Mar 30 j 01:26	29°♑35'01	6.20224 AU
	-9291 Mar 31 j 21:38	0°♒	
morning rise	-9291 Apr 12 j 08:24	2°♒34'48	
	-9291 Jun 12 j 12:27	15°♒	
retrograde	-9291 Aug 14 j 06:59	20°♒48'53	
opposition	-9291 Oct 12 j 09:47	15°♒50'13	-1°18'17
min. Earth dist.	-9291 Oct 12 j 10:29	15°♒49'59	4.24310 AU
	-9291 Oct 18 j 15:52	15°℞♒	
direct	-9291 Dec 12 j 00:33	10°♒46'05	
	-9290 Feb 04 j 05:50	15°♒	
evening set	-9290 Apr 19 j 18:27	29°♒22'27	
	-9290 Apr 22 j 14:11	0°♓	
conjunction	-9290 May 03 j 06:30	2°♓22'47	-0°27'40
minimum elong	-9290 May 03 j 06:32	2°♓22'49	0°27'59
max. Earth dist.	-9290 May 02 j 20:39	2°♓17'18	6.28022 AU
morning rise	-9290 May 16 j 15:18	5°♓21'29	
retrograde	-9290 Sep 15 j 02:10	22°♓55'50	
opposition	-9290 Nov 13 j 14:47	18°♓00'51	-0°02'11
min. Earth dist.	-9290 Nov 14 j 02:41	17°♓56'57	4.31088 AU
asc. node	-9290 Nov 24 j 08:56	16°♓37'06	
direct	-9289 Jan 14 j 07:45	12°♓57'02	
	-9289 May 17 j 05:18	0°♈	
evening set	-9289 May 22 j 22:46	1°♈15'23	
max. Earth dist.	-9289 Jun 03 j 23:41	3°♈55'24	6.33278 AU
conjunction	-9289 Jun 05 j 02:00	4°♈10'01	0°25'54
minimum elong	-9289 Jun 05 j 01:58	4°♈10'00	0°25'52
morning rise	-9289 Jun 18 j 01:53	7°♈02'54	
retrograde	-9289 Oct 16 j 14:52	24°♈18'20	
opposition	-9289 Dec 15 j 17:07	19°♈25'56	1°12'54
min. Earth dist.	-9289 Dec 16 j 14:12	19°♈19'07	4.34504 AU
direct	-9288 Feb 16 j 03:34	14°♈23'55	
	-9288 Jun 11 j 09:59	0°♉	
evening set	-9288 Jun 22 j 21:07	2°♉30'39	
max. Earth dist.	-9288 Jul 04 j 06:58	5°♉02'52	6.34509 AU
conjunction	-9288 Jul 05 j 14:44	5°♉20'35	1°11'12
minimum elong	-9288 Jul 05 j 14:39	5°♉20'32	1°11'29
morning rise	-9288 Jul 18 j 05:15	8°♉09'05	
	-9288 Aug 19 j 07:05	15°♉	
retrograde	-9288 Nov 16 j 10:29	25°♉29'23	
opposition	-9287 Jan 16 j 05:32	20°♉37'49	2°06'36
min. Earth dist.	-9287 Jan 17 j 04:05	20°♉30'38	4.33601 AU
direct	-9287 Mar 19 j 16:07	15°♉38'40	
	-9287 Jul 07 j 07:52	0°♊	
evening set	-9287 Jul 24 j 03:08	3°♊41'57	
max. Earth dist.	-9287 Aug 04 j 07:42	6°♊13'01	6.31411 AU
conjunction	-9287 Aug 05 j 13:40	6°♊29'56	1°35'56
minimum elong	-9287 Aug 05 j 13:37	6°♊29'55	1°36'25
morning rise	-9287 Aug 17 j 22:48	9°♊17'17	
retrograde	-9287 Dec 19 j 08:27	27°♊03'37	
opposition	-9286 Feb 18 j 14:18	22°♊11'01	2°23'58
min. Earth dist.	-9286 Feb 19 j 09:26	22°♊04'57	4.28572 AU
direct	-9286 Apr 21 j 12:12	17°♊14'51	
	-9286 Jul 31 j 02:27	0°♋	
evening set	-9286 Aug 24 j 09:14	5°♋22'36	
conjunction	-9286 Sep 05 j 18:51	8°♋12'42	1°32'32
minimum elong	-9286 Sep 05 j 18:54	8°♋12'44	1°33'06

Attention, astronomical year style is used: The year -9286 in astronomical counting style is the year 9287 BCE in historical counting style.

max. Earth dist.	-9286 Sep 04 j 23:43	8°♋01'45	6.24814 AU	
morning rise	-9286 Sep 18 j 04:52	11°♋03'09		
retrograde	-9285 Jan 22 j 11:35	29°♋30'11		
opposition	-9285 Mar 24 j 23:42	24°♋34'49	1°57'35	
min. Earth dist.	-9285 Mar 25 j 07:09	24°♋32'26	4.20833 AU	
direct	-9285 May 24 j 18:31	19°♋41'03		
	-9285 Aug 20 j 02:49	0°♌		
evening set	-9285 Sep 25 j 09:53	8°♌00'05		
conjunction	-9285 Oct 08 j 00:57	10°♌55'59	1°00'07	
minimum elong	-9285 Oct 08 j 01:02	10°♌56'01	1°00'37	
max. Earth dist.	-9285 Oct 07 j 23:17	10°♌55'01	6.16664 AU	
morning rise	-9285 Oct 20 j 18:11	13°♌53'10		
	-9285 Oct 25 j 14:21	15°♌		
	-9284 Jan 12 j 04:25	0°♍		
retrograde	-9284 Feb 27 j 01:01	3°♍05'22		
	-9284 Apr 13 j 07:38	30°℞♌		
opposition	-9284 Apr 28 j 07:09	28°♌06'13	0°51'35	
min. Earth dist.	-9284 Apr 28 j 01:56	28°♌07'54	4.12788 AU	
direct	-9284 Jun 26 j 21:11	23°♌13'17		
	-9284 Sep 02 j 14:08	0°♍		
evening set	-9284 Oct 27 j 21:57	11°♍49'01		
conjunction	-9284 Nov 09 j 22:11	14°♍52'05	0°06'53	
minimum elong	-9284 Nov 09 j 22:12	14°♍52'06	0°07'06	
behind sun begin	-9284 Nov 09 j 14:41	14°♍47'42		
behind sun end	-9284 Nov 10 j 05:44	14°♍56'30		
max. Earth dist.	-9284 Nov 10 j 15:03	15°♍01'59	6.09524 AU	
morning rise	-9284 Nov 23 j 01:53	17°♍57'03		
desc. node	-9284 Dec 26 j 22:32	25°♍32'50		
	-9283 Jan 18 j 08:34	0°♎		
retrograde	-9283 Apr 03 j 08:27	7°♎44'57		
min. Earth dist.	-9283 Jun 02 j 07:48	2°♎48'01	4.07181 AU	
opposition	-9283 Jun 03 j 01:27	2°♎42'09	-0°34'32	
	-9283 Jun 24 j 14:40	30°℞♍		
direct	-9283 Jul 31 j 13:43	27°♍48'12		
	-9283 Sep 06 j 05:40	0°♎		
evening set	-9283 Dec 02 j 05:21	16°♎42'23		
conjunction	-9283 Dec 15 j 14:18	19°♎50'47	-0°49'54	
minimum elong	-9283 Dec 15 j 14:13	19°♎50'44	0°50'02	
max. Earth dist.	-9283 Dec 16 j 21:20	20°♎09'02	6.05922 AU	
morning rise	-9283 Dec 29 j 02:40	23°♎00'58		
	-9282 Jan 29 j 01:08	0°♏		
retrograde	-9282 May 09 j 16:14	13°♏01'01		
opposition	-9282 Jul 08 j 15:37	7°♏56'03	-1°49'20	
min. Earth dist.	-9282 Jul 07 j 17:16	8°♏03'38	4.06047 AU	
direct	-9282 Sep 04 j 18:52	2°♏59'22		
	-9282 Dec 07 j 06:24	15°♏		
evening set	-9281 Jan 07 j 22:16	22°♏06'28		
conjunction	-9281 Jan 21 j 13:04	25°♏16'35	-1°28'44	
minimum elong	-9281 Jan 21 j 13:00	25°♏16'33	1°29'09	
max. Earth dist.	-9281 Jan 23 j 00:30	25°♏37'14	6.07240 AU	
morning rise	-9281 Feb 04 j 05:55	28°♏27'43		
	-9281 Feb 10 j 22:19	0°♐		
retrograde	-9281 Jun 14 j 03:07	18°♐08'44		
opposition	-9281 Aug 12 j 11:18	13°♐04'10	-2°23'38	
min. Earth dist.	-9281 Aug 11 j 15:35	13°♐10'55	4.09815 AU	
direct	-9281 Oct 09 j 22:41	8°♐04'06		
evening set	-9280 Feb 13 j 22:22	27°♐11'19		
	-9280 Feb 26 j 04:54	0°♑		
conjunction	-9280 Feb 27 j 15:31	0°♑19'52	-1°35'02	
minimum elong	-9280 Feb 27 j 15:33	0°♑19'53	1°35'36	
max. Earth dist.	-9280 Feb 28 j 15:37	0°♑33'42	6.13033 AU	
morning rise	-9280 Mar 12 j 09:06	3°♑28'25		
retrograde	-9280 Jul 17 j 04:07	22°♑26'10		
opposition	-9280 Sep 14 j 05:28	17°♑24'14	-2°06'33	
min. Earth dist.	-9280 Sep 13 j 19:07	17°♑27'46	4.17057 AU	
direct	-9280 Nov 12 j 17:43	12°♑21'20		
	-9279 Mar 15 j 09:51	0°♒		
evening set	-9279 Mar 21 j 00:30	1°♒15'09		
conjunction	-9279 Apr 03 j 16:50	4°♒19'58	-1°08'19	
minimum elong	-9279 Apr 03 j 16:56	4°♒20'01	1°08'50	
max. Earth dist.	-9279 Apr 04 j 00:17	4°♒24'10	6.21212 AU	
morning rise	-9279 Apr 17 j 07:14	7°♒23'42		
	-9279 May 22 j 16:03	15°♒		
retrograde	-9279 Aug 18 j 20:27	25°♒31'46		
opposition	-9279 Oct 16 j 23:55	20°♒33'39	-1°08'21	
min. Earth dist.	-9279 Oct 17 j 01:30	20°♒33'07	4.25341 AU	
direct	-9279 Dec 16 j 18:01	15°♒29'32		
	-9278 Apr 05 j 22:17	0°♓		
evening set	-9278 Apr 24 j 13:22	4°♓03'05		
max. Earth dist.	-9278 May 07 j 11:22	6°♓55'25	6.29043 AU	
conjunction	-9278 May 08 j 00:14	7°♓02'35	-0°20'11	
minimum elong	-9278 May 08 j 00:16	7°♓02'36	0°20'29	
morning rise	-9278 May 21 j 08:04	10°♓00'25		
retrograde	-9278 Sep 19 j 13:24	27°♓30'11		
asc. node	-9278 Oct 04 j 13:11	27°♓08'01		
opposition	-9278 Nov 18 j 03:27	22°♓35'36	0°08'57	
min. Earth dist.	-9278 Nov 18 j 16:50	22°♓31'12	4.32035 AU	
direct	-9277 Jan 19 j 00:15	17°♓31'55		
	-9277 Apr 30 j 10:33	0°♈		
evening set	-9277 May 27 j 12:05	5°♈47'06		
conjunction	-9277 Jun 09 j 14:03	8°♈40'50	0°33'02	
minimum elong	-9277 Jun 09 j 14:00	8°♈40'48	0°33'04	
max. Earth dist.	-9277 Jun 08 j 12:24	8°♈26'36	6.34092 AU	
morning rise	-9277 Jun 22 j 12:20	11°♈32'46		
retrograde	-9277 Oct 20 j 23:20	28°♈45'59		
opposition	-9277 Dec 20 j 05:12	23°♈53'46	1°21'59	
min. Earth dist.	-9277 Dec 21 j 01:59	23°♈47'05	4.35134 AU	
direct	-9276 Feb 20 j 16:25	18°♈52'10		
	-9276 May 25 j 14:43	0°♉		
evening set	-9276 Jun 27 j 05:52	6°♉56'04		
conjunction	-9276 Jul 09 j 22:00	9°♉45'14	1°16'02	
minimum elong	-9276 Jul 09 j 21:56	9°♉45'12	1°16'20	
max. Earth dist.	-9276 Jul 08 j 13:08	9°♉26'54	6.34882 AU	
morning rise	-9276 Jul 22 j 11:33	12°♉33'07		
	-9276 Aug 02 j 14:49	15°♉		
retrograde	-9276 Nov 20 j 21:47	29°♉53'59		
opposition	-9275 Jan 20 j 18:19	25°♉02'22	2°11'15	
min. Earth dist.	-9275 Jan 21 j 17:41	24°♉54'57	4.33689 AU	
direct	-9275 Mar 24 j 05:39	20°♉03'35		
	-9275 Jun 20 j 09:03	0°♊		
evening set	-9275 Jul 28 j 09:07	8°♊05'10		
conjunction	-9275 Aug 09 j 19:11	10°♊52'59	1°37'10	
minimum elong	-9275 Aug 09 j 19:09	10°♊52'58	1°37'41	
max. Earth dist.	-9275 Aug 08 j 14:30	10°♊36'47	6.31195 AU	
morning rise	-9275 Aug 22 j 03:52	13°♊40'15		
	-9275 Nov 22 j 08:46	0°♋		
retrograde	-9275 Dec 23 j 19:31	1°♋29'43		
	-9274 Jan 24 j 12:15	30°℞♊		
opposition	-9274 Feb 23 j 04:18	26°♊36'50	2°22'53	
min. Earth dist.	-9274 Feb 23 j 21:54	26°♊31'16	4.28064 AU	
direct	-9274 Apr 25 j 22:54	21°♊41'04		
	-9274 Jul 13 j 10:38	0°♋		
evening set	-9274 Aug 28 j 15:27	9°♋48'45		
max. Earth dist.	-9274 Sep 09 j 07:21	12°♋28'58	6.24056 AU	

Attention, astronomical year style is used: The year -9274 in astronomical counting style is the year 9275 BCE in historical counting style.

conjunction	-9274 Sep 10 j 01:21	12°♋39'18	1°29'44
minimum elong	-9274 Sep 10 j 01:24	12°♋39'19	1°30'18
morning rise	-9274 Sep 22 j 11:57	15°♋30'20	
	-9274 Dec 05 j 04:46	0°♌	
retrograde	-9273 Jan 27 j 05:09	4°♌02'37	
	-9273 Mar 22 j 17:10	30°℞♋	
opposition	-9273 Mar 29 j 16:15	29°♋06'51	1°50'43
min. Earth dist.	-9273 Mar 29 j 23:35	29°♋04'30	4.19844 AU
direct	-9273 May 29 j 08:43	24°♋13'15	
	-9273 Jul 31 j 07:30	0°♌	
evening set	-9273 Sep 29 j 19:17	12°♌34'08	
	-9273 Oct 10 j 06:16	15°♌	
conjunction	-9273 Oct 12 j 11:29	15°♌31'01	0°53'54
minimum elong	-9273 Oct 12 j 11:33	15°♌31'03	0°54'21
max. Earth dist.	-9273 Oct 12 j 11:11	15°♌30'50	6.15553 AU
morning rise	-9273 Oct 25 j 06:05	18°♌29'17	
	-9273 Dec 18 j 06:30	0°♍	
retrograde	-9272 Mar 02 j 20:58	7°♍47'37	
opposition	-9272 May 03 j 02:01	2°♍48'01	0°40'37
min. Earth dist.	-9272 May 02 j 18:55	2°♍50'20	4.11646 AU
	-9272 May 25 j 23:32	30°℞♌	
direct	-9272 Jul 01 j 11:00	27°♌55'07	
	-9272 Aug 06 j 11:31	0°♍	
evening set	-9272 Nov 01 j 13:44	16°♍34'26	
desc. node	-9272 Nov 07 j 11:53	17°♍57'43	
conjunction	-9272 Nov 14 j 15:18	19°♍38'33	-0°01'04
minimum elong	-9272 Nov 14 j 15:18	19°♍38'33	0°00'54
behind sun begin	-9272 Nov 14 j 07:07	19°♍33'46	
behind sun end	-9272 Nov 14 j 23:28	19°♍43'20	
max. Earth dist.	-9272 Nov 15 j 09:35	19°♍49'18	6.08462 AU
morning rise	-9272 Nov 27 j 20:22	22°♍44'36	
	-9272 Dec 30 j 01:19	0°♎	
retrograde	-9271 Apr 08 j 08:18	12°♎37'29	
opposition	-9271 Jun 07 j 21:56	7°♎34'19	-0°46'01
min. Earth dist.	-9271 Jun 07 j 03:57	7°♎40'20	4.06300 AU
direct	-9271 Aug 05 j 07:56	2°♎40'06	
evening set	-9271 Dec 07 j 04:12	21°♎38'28	
conjunction	-9271 Dec 20 j 14:20	24°♎47'38	-0°56'38
minimum elong	-9271 Dec 20 j 14:15	24°♎47'35	0°56'49
max. Earth dist.	-9271 Dec 21 j 23:27	25°♎07'07	6.05317 AU
morning rise	-9270 Jan 03 j 03:39	27°♎58'30	
	-9270 Jan 11 j 21:16	0°♏	
	-9270 Mar 31 j 10:06	15°♏	
retrograde	-9270 May 14 j 16:08	17°♏59'49	
	-9270 Jun 27 j 16:39	15°℞♏	
opposition	-9270 Jul 13 j 12:10	12°♏54'49	-1°56'51
min. Earth dist.	-9270 Jul 12 j 13:31	13°♏02'32	4.05816 AU
direct	-9270 Sep 09 j 14:11	7°♏57'47	
	-9270 Nov 17 j 04:49	15°♏	
evening set	-9269 Jan 13 j 01:44	27°♏07'36	
	-9269 Jan 25 j 10:17	0°♐	
conjunction	-9269 Jan 26 j 17:01	0°♐17'54	-1°31'38
minimum elong	-9269 Jan 26 j 16:57	0°♐17'52	1°32'05
max. Earth dist.	-9269 Jan 28 j 02:51	0°♐37'36	6.07383 AU
morning rise	-9269 Feb 09 j 10:26	3°♐29'08	
retrograde	-9269 Jun 18 j 23:21	23°♐06'53	
min. Earth dist.	-9269 Aug 16 j 10:49	18°♐09'08	4.10323 AU
opposition	-9269 Aug 17 j 06:06	18°♐02'32	-2°24'13
direct	-9269 Oct 14 j 20:16	13°♐02'00	
	-9268 Feb 09 j 13:06	0°♑	
evening set	-9268 Feb 19 j 01:27	2°♑09'06	
conjunction	-9268 Mar 03 j 18:56	5°♑17'24	-1°33'03
minimum elong	-9268 Mar 03 j 18:59	5°♑17'25	1°33'36
max. Earth dist.	-9268 Mar 04 j 18:55	5°♑31'08	6.13879 AU
morning rise	-9268 Mar 17 j 12:11	8°♑25'28	
retrograde	-9268 Jul 21 j 21:03	27°♑16'43	
opposition	-9268 Sep 18 j 21:16	22°♑15'15	-2°00'21
min. Earth dist.	-9268 Sep 18 j 12:15	22°♑18'19	4.18127 AU
direct	-9268 Nov 17 j 13:22	17°♑12'04	
	-9267 Feb 26 j 03:32	0°♒	
evening set	-9267 Mar 25 j 23:23	6°♒03'15	
conjunction	-9267 Apr 08 j 15:10	9°♒07'23	-1°02'27
minimum elong	-9267 Apr 08 j 15:15	9°♒07'26	1°02'56
max. Earth dist.	-9267 Apr 08 j 19:24	9°♒09'46	6.22404 AU
morning rise	-9267 Apr 22 j 04:59	12°♒10'21	
	-9267 May 04 j 23:40	15°♒	
	-9267 Aug 12 j 11:42	0°♓	
retrograde	-9267 Aug 23 j 07:33	0°♓11'44	
	-9267 Sep 03 j 02:39	30°℞♒	
opposition	-9267 Oct 21 j 12:44	25°♒14'02	-0°58'04
min. Earth dist.	-9267 Oct 21 j 15:44	25°♒13'02	4.26514 AU
direct	-9267 Dec 21 j 10:43	20°♒09'47	
	-9266 Mar 18 j 21:41	0°♓	
evening set	-9266 Apr 29 j 06:06	8°♓40'00	
conjunction	-9266 May 12 j 15:58	11°♓38'38	-0°12'40
minimum elong	-9266 May 12 j 16:00	11°♓38'39	0°12'55
behind sun begin	-9266 May 12 j 11:04	11°♓35'55	
behind sun end	-9266 May 12 j 20:55	11°♓41'22	
max. Earth dist.	-9266 May 12 j 01:52	11°♓30'48	6.30098 AU
morning rise	-9266 May 25 j 22:28	14°♓35'31	
asc. node	-9266 Aug 14 j 12:56	29°♓29'15	
	-9266 Aug 19 j 01:14	0°♈	
retrograde	-9266 Sep 23 j 22:29	2°♈00'59	
	-9266 Oct 29 j 22:41	30°℞♓	
opposition	-9266 Nov 22 j 14:43	27°♓06'48	0°19'54
min. Earth dist.	-9266 Nov 23 j 05:23	27°♓02'00	4.32863 AU
direct	-9265 Jan 23 j 14:31	22°♓03'20	
	-9265 Apr 11 j 17:03	0°♈	
evening set	-9265 May 31 j 23:38	10°♈15'51	
max. Earth dist.	-9265 Jun 12 j 19:38	12°♈52'59	6.34595 AU
conjunction	-9265 Jun 14 j 00:05	13°♈08'45	0°39'57
minimum elong	-9265 Jun 14 j 00:01	13°♈08'43	0°40'01
morning rise	-9265 Jun 26 j 21:09	15°♈59'57	
	-9265 Sep 09 j 05:09	0°♉	
retrograde	-9265 Oct 25 j 08:53	3°♉12'24	
	-9265 Dec 11 j 11:22	30°℞♈	
opposition	-9265 Dec 24 j 16:49	28°♈20'20	1°30'37
min. Earth dist.	-9265 Dec 25 j 14:48	28°♈13'16	4.35297 AU
direct	-9264 Feb 25 j 05:28	23°♈19'00	
	-9264 May 06 j 04:37	0°♉	
evening set	-9264 Jul 01 j 14:11	11°♉21'48	
max. Earth dist.	-9264 Jul 12 j 21:27	13°♉52'46	6.34675 AU
conjunction	-9264 Jul 14 j 05:20	14°♉10'34	1°20'28
minimum elong	-9264 Jul 14 j 05:15	14°♉10'32	1°20'49
	-9264 Jul 17 j 21:48	15°♉	
morning rise	-9264 Jul 26 j 17:43	16°♉58'05	
	-9264 Oct 01 j 14:05	0°♊	
retrograde	-9264 Nov 25 j 08:40	4°♊21'35	
	-9263 Jan 21 j 08:55	30°℞♉	
opposition	-9263 Jan 25 j 08:00	29°♉29'54	2°15'20
min. Earth dist.	-9263 Jan 26 j 06:46	29°♉22'41	4.33142 AU
direct	-9263 Mar 28 j 17:49	24°♉31'33	
	-9263 May 30 j 20:12	0°♊	
evening set	-9263 Aug 01 j 16:50	12°♊33'33	
max. Earth dist.	-9263 Aug 12 j 21:20	15°♊05'05	6.30328 AU

Attention, astronomical year style is used: The year -9263 in astronomical counting style is the year 9264 BCE in historical counting style.

conjunction	-9263 Aug 14 j 02:20	15°♊21'29	1°37'54
minimum elong	-9263 Aug 14 j 02:19	15°♊21'29	1°38'26
morning rise	-9263 Aug 26 j 11:00	18°♊09'04	
	-9263 Oct 23 j 15:43	0°♋	
retrograde	-9263 Dec 28 j 12:52	6°♋04'02	
opposition	-9262 Feb 27 j 21:52	1°♋10'49	2°21'02
min. Earth dist.	-9262 Feb 28 j 15:01	1°♋05'22	4.26929 AU
	-9262 Mar 09 j 07:11	30°℞♊	
direct	-9262 Apr 30 j 14:05	26°♊15'20	
	-9262 Jun 20 j 06:15	0°♋	
evening set	-9262 Sep 02 j 01:08	14°♋24'52	
conjunction	-9262 Sep 14 j 11:42	17°♋16'12	1°26'20
minimum elong	-9262 Sep 14 j 11:46	17°♋16'14	1°26'53
max. Earth dist.	-9262 Sep 13 j 20:14	17°♋07'18	6.22761 AU
morning rise	-9262 Sep 26 j 23:04	20°♋08'08	
	-9262 Nov 12 j 00:41	0°♌	
retrograde	-9261 Feb 01 j 02:10	8°♌47'23	
opposition	-9261 Apr 03 j 13:36	3°♌51'09	1°42'53
min. Earth dist.	-9261 Apr 03 j 18:34	3°♌49'33	4.18491 AU
	-9261 May 08 j 07:09	30°℞♋	
direct	-9261 Jun 03 j 00:56	28°♋57'47	
	-9261 Jun 28 j 15:05	0°♌	
	-9261 Sep 24 j 03:56	15°♌	
evening set	-9261 Oct 04 j 10:13	17°♌21'36	
conjunction	-9261 Oct 17 j 03:34	20°♌19'33	0°47'01
minimum elong	-9261 Oct 17 j 03:38	20°♌19'35	0°47'26
max. Earth dist.	-9261 Oct 17 j 05:27	20°♌20'39	6.14276 AU
morning rise	-9261 Oct 29 j 23:37	23°♌19'02	
	-9261 Nov 28 j 18:10	0°♍	
retrograde	-9260 Mar 07 j 23:27	12°♍43'47	
opposition	-9260 May 08 j 02:16	7°♍43'38	0°28'48
min. Earth dist.	-9260 May 07 j 17:25	7°♍46'32	4.10561 AU
direct	-9260 Jul 06 j 07:40	2°♍50'40	
desc. node	-9260 Sep 16 j 23:34	10°♍35'23	
evening set	-9260 Nov 06 j 11:09	21°♍33'09	
conjunction	-9260 Nov 19 j 14:08	24°♍38'13	-0°09'20
minimum elong	-9260 Nov 19 j 14:07	24°♍38'13	0°09'12
behind sun begin	-9260 Nov 19 j 07:12	24°♍34'09	
behind sun end	-9260 Nov 19 j 21:03	24°♍42'16	
max. Earth dist.	-9260 Nov 20 j 12:15	24°♍51'14	6.07707 AU
morning rise	-9260 Dec 02 j 20:32	27°♍45'12	
	-9260 Dec 12 j 13:03	0°♎	
retrograde	-9259 Apr 13 j 11:37	17°♎41'03	
opposition	-9259 Jun 12 j 22:46	12°♎37'32	-0°57'39
min. Earth dist.	-9259 Jun 12 j 03:16	12°♎44'03	4.06002 AU
direct	-9259 Aug 10 j 06:13	7°♎43'06	
evening set	-9259 Dec 12 j 07:06	26°♎43'09	
conjunction	-9259 Dec 25 j 17:57	29°♎52'34	-1°03'10
minimum elong	-9259 Dec 25 j 17:51	29°♎52'30	1°03'23
	-9259 Dec 26 j 06:36	0°♏	
max. Earth dist.	-9259 Dec 27 j 03:28	0°♏12'15	6.05488 AU
morning rise	-9258 Jan 08 j 08:09	3°♏03'38	
	-9258 Mar 04 j 19:58	15°♏	
retrograde	-9258 May 19 j 15:03	23°♏02'32	
min. Earth dist.	-9258 Jul 17 j 10:48	18°♏05'23	4.06471 AU
opposition	-9258 Jul 18 j 10:10	17°♏57'25	-2°03'36
	-9258 Aug 10 j 18:17	15°℞♏	
direct	-9258 Sep 14 j 13:22	12°♏59'53	
	-9258 Oct 19 j 10:52	15°♏	
	-9257 Jan 08 j 21:05	0°♐	
evening set	-9257 Jan 18 j 05:38	2°♐08'49	
conjunction	-9257 Jan 31 j 21:26	5°♐18'47	-1°33'54
minimum elong	-9257 Jan 31 j 21:24	5°♐18'45	1°34'23
max. Earth dist.	-9257 Feb 02 j 08:15	5°♐39'00	6.08455 AU
morning rise	-9257 Feb 14 j 14:46	8°♐29'29	
retrograde	-9257 Jun 23 j 18:27	28°♐00'06	
opposition	-9257 Aug 21 j 23:12	22°♐56'02	-2°23'43
min. Earth dist.	-9257 Aug 21 j 05:31	23°♐02'05	4.11697 AU
direct	-9257 Oct 19 j 17:06	17°♐55'04	
	-9256 Jan 23 j 07:03	0°♑	
evening set	-9256 Feb 24 j 01:38	6°♑58'50	
conjunction	-9256 Mar 08 j 18:56	10°♑06'25	-1°30'29
minimum elong	-9256 Mar 08 j 19:00	10°♑06'27	1°31'04
max. Earth dist.	-9256 Mar 09 j 15:50	10°♑18'21	6.15416 AU
morning rise	-9256 Mar 22 j 11:58	13°♑13'40	
	-9256 Jun 21 j 12:19	0°♒	
retrograde	-9256 Jul 26 j 07:22	1°♒56'20	
	-9256 Aug 29 j 21:14	30°℞♑	
opposition	-9256 Sep 23 j 09:13	26°♑55'20	-1°53'34
min. Earth dist.	-9256 Sep 23 j 01:32	26°♑57'56	4.19668 AU
direct	-9256 Nov 22 j 05:11	21°♑51'52	
	-9255 Feb 07 j 11:19	0°♒	
evening set	-9255 Mar 30 j 17:05	10°♒39'01	
conjunction	-9255 Apr 13 j 08:16	13°♒42'18	-0°56'27
minimum elong	-9255 Apr 13 j 08:21	13°♒42'21	0°56'54
max. Earth dist.	-9255 Apr 13 j 09:26	13°♒42'58	6.23836 AU
	-9255 Apr 19 j 02:39	15°♒	
morning rise	-9255 Apr 26 j 21:12	16°♒44'20	
	-9255 Jul 03 j 00:13	0°♓	
retrograde	-9255 Aug 27 j 15:34	4°♓39'03	
	-9255 Oct 23 j 15:02	30°℞♒	
opposition	-9255 Oct 25 j 21:19	29°♒41'56	-0°47'53
min. Earth dist.	-9255 Oct 26 j 03:05	29°♒40'01	4.27692 AU
direct	-9255 Dec 26 j 00:06	24°♒37'43	
	-9254 Feb 26 j 05:09	0°♓	
evening set	-9254 May 03 j 17:58	13°♓04'53	
max. Earth dist.	-9254 May 16 j 09:08	15°♓52'57	6.30920 AU
conjunction	-9254 May 17 j 02:44	16°♓02'44	-0°05'25
minimum elong	-9254 May 17 j 02:44	16°♓02'44	0°05'37
behind sun begin	-9254 May 16 j 18:53	15°♓58'24	
behind sun end	-9254 May 17 j 10:35	16°♓07'04	
morning rise	-9254 May 30 j 08:05	18°♓58'49	
asc. node	-9254 Jun 25 j 22:49	24°♓41'51	
	-9254 Jul 23 j 18:03	0°♈	
retrograde	-9254 Sep 28 j 03:35	6°♈21'26	
opposition	-9254 Nov 26 j 22:16	1°♈27'38	0°30'19
min. Earth dist.	-9254 Nov 27 j 14:29	1°♈22'20	4.33287 AU
	-9254 Dec 08 j 07:01	30°℞♓	
direct	-9253 Jan 28 j 00:02	26°♓24'21	
	-9253 Mar 19 j 14:16	0°♈	
evening set	-9253 Jun 05 j 07:40	14°♈35'57	
max. Earth dist.	-9253 Jun 17 j 01:30	17°♈12'00	6.34585 AU
conjunction	-9253 Jun 18 j 06:52	17°♈28'19	0°46'24
minimum elong	-9253 Jun 18 j 06:48	17°♈28'17	0°46'29
morning rise	-9253 Jul 01 j 02:36	20°♈18'59	
	-9253 Aug 17 j 02:50	0°♉	
retrograde	-9253 Oct 29 j 16:51	7°♉32'46	
opposition	-9253 Dec 29 j 02:24	2°♉40'57	1°38'32
min. Earth dist.	-9253 Dec 30 j 01:26	2°♉33'35	4.34868 AU
	-9252 Jan 20 j 05:42	30°℞♈	
direct	-9252 Feb 29 j 15:42	27°♈40'03	
	-9252 Apr 09 j 23:14	0°♉	
	-9252 Jul 02 j 13:40	15°♉	
evening set	-9252 Jul 05 j 20:51	15°♉43'51	
max. Earth dist.	-9252 Jul 17 j 01:22	18°♉13'43	6.33834 AU

Attention, astronomical year style is used: The year -9252 in astronomical counting style is the year 9253 BCE in historical counting style.

conjunction	-9252 Jul 18 j 10:55	18°♉32'30	1°24'21	
minimum elong	-9252 Jul 18 j 10:51	18°♉32'27	1°24'44	
morning rise	-9252 Jul 30 j 22:42	21°♉20'03		
	-9252 Sep 10 j 03:02	0°♊		
retrograde	-9252 Nov 29 j 21:33	8°♊48'35		
opposition	-9251 Jan 29 j 21:53	3°♊56'49	2°18'35	
min. Earth dist.	-9251 Jan 30 j 20:22	3°♊49'41	4.31969 AU	
	-9251 Mar 07 j 01:25	30°℞♉		
direct	-9251 Apr 02 j 05:32	28°♉58'52		
	-9251 Apr 28 j 08:48	0°♊		
evening set	-9251 Aug 06 j 00:47	17°♊03'24		
max. Earth dist.	-9251 Aug 17 j 08:00	19°♊36'54	6.28922 AU	
conjunction	-9251 Aug 18 j 10:16	19°♊51'49	1°38'00	
minimum elong	-9251 Aug 18 j 10:16	19°♊51'49	1°38'32	
morning rise	-9251 Aug 30 j 18:50	22°♊39'58		
	-9251 Oct 03 j 15:14	0°♋		
retrograde	-9250 Jan 02 j 07:07	10°♋42'11		
opposition	-9250 Mar 04 j 16:48	5°♋48'43	2°18'14	
min. Earth dist.	-9250 Mar 05 j 08:10	5°♋43'50	4.25398 AU	
direct	-9250 May 05 j 04:53	0°♋53'41		
evening set	-9250 Sep 06 j 13:01	19°♋06'18		
max. Earth dist.	-9250 Sep 18 j 10:26	21°♋50'38	6.21239 AU	
conjunction	-9250 Sep 19 j 00:10	21°♋58'34	1°22'15	
minimum elong	-9250 Sep 19 j 00:14	21°♋58'36	1°22'49	
morning rise	-9250 Oct 01 j 12:38	24°♋51'36		
	-9250 Oct 24 j 10:59	0°♌		
retrograde	-9249 Feb 06 j 03:09	13°♌38'29		
opposition	-9249 Apr 08 j 13:12	8°♌41'41	1°34'09	
min. Earth dist.	-9249 Apr 08 j 15:39	8°♌40'54	4.17080 AU	
direct	-9249 Jun 07 j 20:00	3°♌48'29		
	-9249 Sep 06 j 16:48	15°♌		
evening set	-9249 Oct 09 j 03:20	22°♌15'11		
conjunction	-9249 Oct 21 j 22:07	25°♌14'14	0°39'40	
minimum elong	-9249 Oct 21 j 22:11	25°♌14'17	0°40'02	
max. Earth dist.	-9249 Oct 22 j 04:43	25°♌18'06	6.13122 AU	
morning rise	-9249 Nov 03 j 19:33	28°♌14'52		
	-9249 Nov 11 j 09:37	0°♍		
retrograde	-9248 Mar 13 j 03:16	17°♍45'03		
opposition	-9248 May 13 j 04:08	12°♍44'21	0°16'33	
min. Earth dist.	-9248 May 12 j 17:12	12°♍47'56	4.09756 AU	
direct	-9248 Jul 11 j 05:29	7°♍51'20		
desc. node	-9248 Jul 27 j 07:35	8°♍17'13		
evening set	-9248 Nov 11 j 10:24	26°♍35'51		
conjunction	-9248 Nov 24 j 14:27	29°♍41'36	-0°17'36	
minimum elong	-9248 Nov 24 j 14:25	29°♍41'35	0°17'32	
	-9248 Nov 25 j 21:43	0°♎		
max. Earth dist.	-9248 Nov 25 j 13:58	29°♍55'26	6.07287 AU	
morning rise	-9248 Dec 07 j 22:13	2°♎49'18		
retrograde	-9247 Apr 18 j 13:05	22°♎46'26		
opposition	-9247 Jun 17 j 23:23	17°♎42'30	-1°08'55	
min. Earth dist.	-9247 Jun 17 j 02:09	17°♎49'38	4.06003 AU	
direct	-9247 Aug 15 j 05:33	12°♎47'39		
	-9247 Dec 09 j 15:13	0°♏		
evening set	-9247 Dec 17 j 10:23	1°♏48'34		
conjunction	-9247 Dec 30 j 22:11	4°♏58'08	-1°09'16	
minimum elong	-9247 Dec 30 j 22:06	4°♏58'05	1°09'32	
max. Earth dist.	-9246 Jan 01 j 09:55	5°♏19'06	6.05883 AU	
morning rise	-9246 Jan 13 j 12:50	8°♏09'12		
	-9246 Feb 12 j 21:51	15°♏		
retrograde	-9246 May 24 j 15:32	28°♏04'43		
min. Earth dist.	-9246 Jul 22 j 09:09	23°♏07'13	4.07227 AU	
opposition	-9246 Jul 23 j 07:28	22°♏59'36	-2°09'28	
direct	-9246 Sep 19 j 12:37	18°♏01'35		
	-9246 Dec 22 j 06:35	0°♐		
evening set	-9245 Jan 23 j 09:21	7°♐09'33		
conjunction	-9245 Feb 06 j 01:24	10°♐19'11	-1°35'32	
minimum elong	-9245 Feb 06 j 01:22	10°♐19'10	1°36'03	
max. Earth dist.	-9245 Feb 07 j 10:09	10°♐38'09	6.09475 AU	
morning rise	-9245 Feb 19 j 18:58	13°♐29'26		
	-9245 May 16 j 10:56	0°♑		
retrograde	-9245 Jun 28 j 10:38	2°♑53'17		
	-9245 Aug 10 j 05:25	30°℞♐		
opposition	-9245 Aug 26 j 15:54	27°♐49'32	-2°22'20	
min. Earth dist.	-9245 Aug 25 j 22:45	27°♐55'24	4.12895 AU	
direct	-9245 Oct 24 j 12:17	22°♐48'08		
	-9244 Jan 03 j 09:04	0°♑		
evening set	-9244 Feb 29 j 01:53	11°♑49'27		
conjunction	-9244 Mar 13 j 19:05	14°♑56'26	-1°27'22	
minimum elong	-9244 Mar 13 j 19:09	14°♑56'29	1°27'56	
max. Earth dist.	-9244 Mar 14 j 12:59	15°♑06'37	6.16706 AU	
morning rise	-9244 Mar 27 j 11:42	18°♑02'58		
	-9244 May 24 j 07:17	0°♒		
retrograde	-9244 Jul 30 j 20:53	6°♒38'12		
opposition	-9244 Sep 27 j 22:04	1°♒37'44	-1°46'07	
min. Earth dist.	-9244 Sep 27 j 17:12	1°♒39'23	4.20916 AU	
	-9244 Oct 10 j 04:10	30°℞♑		
direct	-9244 Nov 26 j 23:17	26°♑34'03		
	-9243 Jan 14 j 00:31	0°♒		
	-9243 Apr 03 j 03:18	15°♒		
evening set	-9243 Apr 04 j 12:02	15°♒18'12		
conjunction	-9243 Apr 18 j 02:40	18°♒20'48	-0°50'02	
minimum elong	-9243 Apr 18 j 02:45	18°♒20'51	0°50'28	
max. Earth dist.	-9243 Apr 18 j 01:10	18°♒19'57	6.24959 AU	
morning rise	-9243 May 01 j 14:45	21°♒22'02		
	-9243 Jun 11 j 11:23	0°♓		
retrograde	-9243 Aug 31 j 23:23	9°♓11'10		
opposition	-9243 Oct 30 j 07:41	4°♓14'32	-0°37'17	
min. Earth dist.	-9243 Oct 30 j 14:29	4°♓12'17	4.28610 AU	
	-9243 Dec 07 j 12:55	30°℞♒		
direct	-9243 Dec 30 j 13:25	29°♒10'19		
	-9242 Jan 22 j 21:43	0°♓		
asc. node	-9242 May 05 j 22:44	17°♓03'50		
evening set	-9242 May 08 j 07:51	17°♓35'14		
conjunction	-9242 May 21 j 15:22	20°♓32'20	0°02'10	
minimum elong	-9242 May 21 j 15:22	20°♓32'20	0°02'01	
behind sun begin	-9242 May 21 j 07:13	20°♓27'49		
behind sun end	-9242 May 21 j 23:32	20°♓36'51		
max. Earth dist.	-9242 May 20 j 19:10	20°♓21'07	6.31571 AU	
morning rise	-9242 Jun 03 j 19:32	23°♓27'40		
	-9242 Jul 04 j 11:12	0°♈		
retrograde	-9242 Oct 02 j 13:03	10°♈48'01		
opposition	-9242 Dec 01 j 08:47	5°♈54'37	0°40'49	
min. Earth dist.	-9242 Dec 02 j 03:01	5°♈48'41	4.33633 AU	
direct	-9241 Feb 01 j 13:52	0°♈51'36		
evening set	-9241 Jun 09 j 17:49	19°♈02'07		
max. Earth dist.	-9241 Jun 21 j 08:48	21°♈36'44	6.34581 AU	
conjunction	-9241 Jun 22 j 15:43	21°♈53'55	0°52'46	
minimum elong	-9241 Jun 22 j 15:38	21°♈53'53	0°52'54	
morning rise	-9241 Jul 05 j 10:15	24°♈44'04		
	-9241 Jul 29 j 20:33	0°♉		
retrograde	-9241 Nov 03 j 02:37	11°♉59'10		
opposition	-9240 Jan 02 j 14:48	7°♉07'27	1°46'09	
min. Earth dist.	-9240 Jan 03 j 13:35	7°♉00'09	4.34558 AU	
direct	-9240 Mar 05 j 03:21	2°♉06'55		

Attention, astronomical year style is used: The year -9240 in astronomical counting style is the year 9241 BCE in historical counting style.

	-9240 Jun 16 j 07:38	15°♉		
evening set	-9240 Jul 10 j 05:30	20°♉10'59		
max. Earth dist.	-9240 Jul 21 j 10:38	22°♉41'28	6.33246 AU	
conjunction	-9240 Jul 22 j 18:40	22°♉59'27	1°27'52	
minimum elong	-9240 Jul 22 j 18:36	22°♉59'25	1°28'18	
morning rise	-9240 Aug 04 j 05:34	25°♉46'52		
	-9240 Aug 23 j 11:50	0°♊		
retrograde	-9240 Dec 04 j 12:05	13°♊19'30		
opposition	-9239 Feb 03 j 13:42	8°♊27'40	2°21'09	
min. Earth dist.	-9239 Feb 04 j 11:43	8°♊20'41	4.31166 AU	
direct	-9239 Apr 06 j 19:45	3°♊30'13		
evening set	-9239 Aug 10 j 09:52	21°♊35'41		
conjunction	-9239 Aug 22 j 19:05	24°♊24'23	1°37'35	
minimum elong	-9239 Aug 22 j 19:05	24°♊24'24	1°38'08	
max. Earth dist.	-9239 Aug 21 j 17:24	24°♊09'46	6.27971 AU	
morning rise	-9239 Sep 04 j 03:57	27°♊13'01		
	-9239 Sep 16 j 14:11	0°♋		
retrograde	-9238 Jan 07 j 01:59	15°♋20'57		
opposition	-9238 Mar 09 j 12:24	10°♋27'03	2°14'36	
min. Earth dist.	-9238 Mar 10 j 01:26	10°♋22'54	4.24375 AU	
direct	-9238 May 09 j 20:16	5°♋32'21		
evening set	-9238 Sep 11 j 00:17	23°♋46'10		
conjunction	-9238 Sep 23 j 12:19	26°♋39'11	1°17'44	
minimum elong	-9238 Sep 23 j 12:24	26°♋39'14	1°18'17	
max. Earth dist.	-9238 Sep 23 j 02:57	26°♋33'46	6.20256 AU	
morning rise	-9238 Oct 06 j 01:36	29°♋33'04		
	-9238 Oct 08 j 00:35	0°♌		
	-9238 Dec 24 j 13:47	15°♌		
retrograde	-9237 Feb 11 j 02:11	18°♌25'32		
	-9237 Apr 01 j 09:28	15°℞♌		
opposition	-9237 Apr 13 j 11:25	13°♌28'13	1°24'54	
min. Earth dist.	-9237 Apr 13 j 12:09	13°♌27'59	4.16201 AU	
direct	-9237 Jun 12 j 14:21	8°♌35'12		
	-9237 Aug 17 j 18:24	15°♌		
evening set	-9237 Oct 13 j 19:01	27°♌03'10		
conjunction	-9237 Oct 26 j 14:49	0°♍03'02	0°32'12	
minimum elong	-9237 Oct 26 j 14:53	0°♍03'04	0°32'33	
	-9237 Oct 26 j 09:38	0°♍		
max. Earth dist.	-9237 Oct 26 j 22:58	0°♍07'48	6.12423 AU	
morning rise	-9237 Nov 08 j 13:48	3°♍04'38		
retrograde	-9236 Mar 18 j 01:57	22°♍38'35		
opposition	-9236 May 18 j 02:36	17°♍37'19	0°04'31	
min. Earth dist.	-9236 May 17 j 13:14	17°♍41'43	4.09292 AU	
desc. node	-9236 Jun 07 j 12:09	15°♍04'24		
direct	-9236 Jul 16 j 00:35	12°♍44'08		
	-9236 Nov 09 j 20:06	0°♎		
evening set	-9236 Nov 16 j 06:41	1°♎29'59		
conjunction	-9236 Nov 29 j 12:03	4°♎36'21	-0°25'31	
minimum elong	-9236 Nov 29 j 12:00	4°♎36'19	0°25'29	
max. Earth dist.	-9236 Nov 30 j 14:52	4°♎52'08	6.07096 AU	
morning rise	-9236 Dec 12 j 20:47	7°♎44'35		
retrograde	-9235 Apr 23 j 13:29	27°♎42'19		
opposition	-9235 Jun 22 j 20:26	22°♎38'07	-1°19'19	
min. Earth dist.	-9235 Jun 21 j 23:33	22°♎45'08	4.06107 AU	
direct	-9235 Aug 20 j 02:20	17°♎42'54		
	-9235 Nov 22 j 14:10	0°♏		
evening set	-9235 Dec 22 j 10:20	6°♏44'40		
conjunction	-9234 Jan 04 j 22:45	9°♏54'20	-1°14'41	
minimum elong	-9234 Jan 04 j 22:39	9°♏54'16	1°14'59	
max. Earth dist.	-9234 Jan 06 j 09:38	10°♏14'45	6.06237 AU	
morning rise	-9234 Jan 18 j 14:08	13°♏05'27		
	-9234 Jan 26 j 20:32	15°♏		
	-9234 Apr 15 j 13:37	0°♐		
retrograde	-9234 May 29 j 10:11	2°♐57'58		
	-9234 Jul 12 j 01:07	30°℞♏		
min. Earth dist.	-9234 Jul 27 j 02:36	28°♏00'37	4.07819 AU	
opposition	-9234 Jul 28 j 01:08	27°♏52'55	-2°14'16	
direct	-9234 Sep 24 j 06:23	22°♏54'27		
	-9234 Dec 02 j 13:14	0°♐		
evening set	-9233 Jan 28 j 09:57	12°♐02'21		
conjunction	-9233 Feb 11 j 02:21	15°♐11'47	-1°36'27	
minimum elong	-9233 Feb 11 j 02:20	15°♐11'46	1°36'58	
max. Earth dist.	-9233 Feb 12 j 08:59	15°♐29'29	6.10243 AU	
morning rise	-9233 Feb 24 j 19:57	18°♐21'41		
	-9233 Apr 20 j 18:23	0°♑		
retrograde	-9233 Jul 03 j 02:50	7°♑40'05		
opposition	-9233 Aug 31 j 06:14	2°♑36'44	-2°20'03	
min. Earth dist.	-9233 Aug 30 j 15:37	2°♑41'44	4.13753 AU	
	-9233 Sep 20 j 09:55	30°℞♐		
direct	-9233 Oct 29 j 06:29	27°♐34'58		
	-9233 Dec 07 j 11:25	0°♑		
evening set	-9232 Mar 04 j 23:57	16°♑35'10		
conjunction	-9232 Mar 18 j 17:13	19°♑41'48	-1°23'43	
minimum elong	-9232 Mar 18 j 17:18	19°♑41'51	1°24'15	
max. Earth dist.	-9232 Mar 19 j 09:09	19°♑50'51	6.17600 AU	
morning rise	-9232 Apr 01 j 09:28	22°♑47'49		
	-9232 May 04 j 12:32	0°♒		
retrograde	-9232 Aug 04 j 07:37	11°♒17'16		
opposition	-9232 Oct 02 j 09:49	6°♒17'22	-1°38'07	
min. Earth dist.	-9232 Oct 02 j 05:47	6°♒18'44	4.21767 AU	
direct	-9232 Dec 01 j 13:47	1°♒13'34		
	-9231 Mar 17 j 13:47	15°♒		
evening set	-9231 Apr 09 j 06:03	19°♒56'08		
conjunction	-9231 Apr 22 j 19:55	22°♒58'10	-0°43'21	
minimum elong	-9231 Apr 22 j 19:59	22°♒58'12	0°43'45	
max. Earth dist.	-9231 Apr 22 j 14:42	22°♒55'15	6.25724 AU	
morning rise	-9231 May 06 j 07:17	25°♒58'47		
	-9231 May 24 j 16:18	0°♓		
retrograde	-9231 Sep 05 j 10:20	13°♓43'53		
opposition	-9231 Nov 03 j 18:39	8°♓47'46	-0°26'30	
min. Earth dist.	-9231 Nov 04 j 03:52	8°♓44'43	4.29220 AU	
direct	-9230 Jan 04 j 04:56	3°♓43'39		
asc. node	-9230 Mar 15 j 23:08	10°♓28'03		
evening set	-9230 May 12 j 21:42	22°♓07'07		
max. Earth dist.	-9230 May 25 j 07:12	24°♓51'55	6.31996 AU	
conjunction	-9230 May 26 j 04:12	25°♓03'35	0°09'38	
minimum elong	-9230 May 26 j 04:11	25°♓03'34	0°09'31	
behind sun begin	-9230 May 25 j 21:26	24°♓59'51		
behind sun end	-9230 May 26 j 10:55	25°♓07'18		
morning rise	-9230 Jun 08 j 07:00	27°♓58'14		
	-9230 Jun 17 j 13:10	0°♈		
retrograde	-9230 Oct 06 j 21:24	15°♈17'06		
opposition	-9230 Dec 05 j 20:05	10°♈24'00	0°51'08	
min. Earth dist.	-9230 Dec 06 j 14:07	10°♈18'09	4.33865 AU	
direct	-9229 Feb 06 j 01:51	5°♈21'17		
evening set	-9229 Jun 14 j 04:34	23°♈30'51		
max. Earth dist.	-9229 Jun 25 j 17:37	26°♈04'34	6.34601 AU	
conjunction	-9229 Jun 27 j 01:01	26°♈22'03	0°58'51	
minimum elong	-9229 Jun 27 j 00:56	26°♈22'00	0°59'03	
morning rise	-9229 Jul 09 j 18:22	29°♈11'40		
	-9229 Jul 13 j 09:59	0°♉		
	-9229 Oct 07 j 19:26	15°♉		
retrograde	-9229 Nov 07 j 14:55	16°♉27'54		

Attention, astronomical year style is used: The year -9229 in astronomical counting style is the year 9230 BCE in historical counting style.

	-9229 Dec 08 j 14:12	15°℞♉	
opposition	-9228 Jan 07 j 04:11	11°♉36'16	1°53'10
min. Earth dist.	-9228 Jan 08 j 03:43	11°♉28'46	4.34367 AU
direct	-9228 Mar 09 j 17:40	6°♉36'08	
	-9228 May 29 j 02:18	15°♉	
evening set	-9228 Jul 14 j 14:00	24°♉39'37	
max. Earth dist.	-9228 Jul 25 j 18:34	27°♉10'00	6.32829 AU
conjunction	-9228 Jul 27 j 02:17	27°♉27'49	1°30'54
minimum elong	-9228 Jul 27 j 02:14	27°♉27'47	1°31'20
	-9228 Aug 07 j 09:32	0°♊	
morning rise	-9228 Aug 08 j 12:34	0°♊15'07	
retrograde	-9228 Dec 09 j 01:34	17°♊51'12	
opposition	-9227 Feb 08 j 05:36	12°♊59'05	2°22'51
min. Earth dist.	-9227 Feb 09 j 01:53	12°♊52'39	4.30552 AU
direct	-9227 Apr 11 j 08:25	8°♊02'00	
evening set	-9227 Aug 14 j 18:16	26°♊07'32	
max. Earth dist.	-9227 Aug 26 j 04:43	28°♊43'31	6.27197 AU
conjunction	-9227 Aug 27 j 03:30	28°♊56'31	1°36'36
minimum elong	-9227 Aug 27 j 03:31	28°♊56'32	1°37'09
	-9227 Aug 31 j 18:48	0°♋	
morning rise	-9227 Sep 08 j 12:25	1°♋45'30	
retrograde	-9226 Jan 11 j 20:56	19°♋58'27	
opposition	-9226 Mar 14 j 07:06	15°♋04'09	2°10'08
min. Earth dist.	-9226 Mar 14 j 19:29	15°♋00'12	4.23463 AU
direct	-9226 May 14 j 12:20	10°♋09'43	
evening set	-9226 Sep 15 j 11:03	28°♋24'29	
	-9226 Sep 22 j 08:37	0°♌	
conjunction	-9226 Sep 27 j 23:45	1°♌18'14	1°12'46
minimum elong	-9226 Sep 27 j 23:50	1°♌18'17	1°13'17
max. Earth dist.	-9226 Sep 27 j 15:18	1°♌13'21	6.19284 AU
morning rise	-9226 Oct 10 j 14:17	4°♌13'02	
	-9226 Nov 30 j 03:06	15°♌	
retrograde	-9225 Feb 15 j 22:35	23°♌11'02	
opposition	-9225 Apr 18 j 08:17	18°♌13'08	1°15'09
min. Earth dist.	-9225 Apr 18 j 06:27	18°♌13'43	4.15226 AU
	-9225 May 15 j 14:38	15°℞♌	
direct	-9225 Jun 17 j 06:26	13°♌20'09	
	-9225 Jul 19 j 15:24	15°♌	
	-9225 Oct 10 j 11:57	0°♍	
evening set	-9225 Oct 18 j 10:11	1°♍50'04	
conjunction	-9225 Oct 31 j 07:27	4°♍50'54	0°24'35
minimum elong	-9225 Oct 31 j 07:29	4°♍50'56	0°24'53
max. Earth dist.	-9225 Oct 31 j 19:10	4°♍57'47	6.11547 AU
morning rise	-9225 Nov 13 j 07:40	7°♍53'28	
retrograde	-9224 Mar 23 j 03:16	27°♍31'53	
desc. node	-9224 Apr 18 j 20:22	26°♍24'56	
min. Earth dist.	-9224 May 22 j 11:08	22°♍34'39	4.08578 AU
opposition	-9224 May 23 j 00:47	22°♍30'08	-0°07'33
direct	-9224 Jul 20 j 20:45	17°♍36'44	
	-9224 Oct 23 j 22:00	0°♎	
evening set	-9224 Nov 21 j 03:57	6°♎25'08	
conjunction	-9224 Dec 04 j 10:20	9°♎32'10	-0°33'16
minimum elong	-9224 Dec 04 j 10:17	9°♎32'08	0°33'17
max. Earth dist.	-9224 Dec 05 j 13:42	9°♎48'15	6.06598 AU
morning rise	-9224 Dec 17 j 20:22	12°♎41'07	
	-9223 Mar 17 j 16:15	0°♏	
retrograde	-9223 Apr 28 j 12:31	2°♏40'20	
	-9223 Jun 09 j 04:19	30°℞♎	
opposition	-9223 Jun 27 j 17:43	27°♎35'51	-1°29'15
min. Earth dist.	-9223 Jun 26 j 19:32	27°♎43'21	4.05896 AU
direct	-9223 Aug 24 j 21:24	22°♎40'12	
	-9223 Nov 02 j 22:39	0°♏	
evening set	-9223 Dec 27 j 12:21	11°♏44'13	
conjunction	-9222 Jan 10 j 01:34	14°♏54'09	-1°19'37
minimum elong	-9222 Jan 10 j 01:29	14°♏54'06	1°19'58
	-9222 Jan 10 j 11:34	15°♏	
max. Earth dist.	-9222 Jan 11 j 12:20	15°♏14'30	6.06310 AU
morning rise	-9222 Jan 23 j 17:27	18°♏05'25	
	-9222 Mar 20 j 07:28	0°♐	
retrograde	-9222 Jun 03 j 08:06	7°♐55'40	
opposition	-9222 Aug 01 j 20:31	2°♐50'40	-2°18'13
min. Earth dist.	-9222 Jul 31 j 23:29	2°♐57'52	4.08164 AU
	-9222 Aug 24 j 01:47	30°℞♏	
direct	-9222 Sep 29 j 04:01	27°♏51'40	
	-9222 Nov 04 j 10:06	0°♐	
evening set	-9221 Feb 02 j 13:09	17°♐00'21	
conjunction	-9221 Feb 16 j 06:02	20°♐09'42	-1°36'42
minimum elong	-9221 Feb 16 j 06:02	20°♐09'42	1°37'15
max. Earth dist.	-9221 Feb 17 j 11:54	20°♐26'56	6.10823 AU
morning rise	-9221 Mar 01 j 23:41	23°♐19'21	
	-9221 Apr 01 j 01:54	0°♑	
retrograde	-9221 Jul 07 j 20:16	12°♑32'30	
opposition	-9221 Sep 04 j 22:55	7°♑29'34	-2°16'47
min. Earth dist.	-9221 Sep 04 j 08:49	7°♑34'23	4.14512 AU
direct	-9221 Nov 03 j 01:19	2°♑27'28	
evening set	-9220 Mar 10 j 00:55	21°♑26'43	
conjunction	-9220 Mar 23 j 17:53	24°♑32'55	-1°19'24
minimum elong	-9220 Mar 23 j 17:58	24°♑32'58	1°19'56
max. Earth dist.	-9220 Mar 24 j 05:57	24°♑39'46	6.18484 AU
morning rise	-9220 Apr 06 j 09:52	27°♑38'25	
	-9220 Apr 16 j 23:24	0°♒	
	-9220 Jul 14 j 18:51	15°♒	
retrograde	-9220 Aug 08 j 22:32	16°♒01'59	
	-9220 Sep 02 j 21:52	15°℞♒	
opposition	-9220 Oct 07 j 00:18	11°♒02'37	-1°29'17
min. Earth dist.	-9220 Oct 06 j 22:27	11°♒03'14	4.22694 AU
direct	-9220 Dec 06 j 09:18	5°♒58'40	
	-9219 Feb 26 j 21:44	15°♒	
evening set	-9219 Apr 14 j 02:28	24°♒39'09	
conjunction	-9219 Apr 27 j 15:43	27°♒40'32	-0°36'15
minimum elong	-9219 Apr 27 j 15:47	27°♒40'34	0°36'37
max. Earth dist.	-9219 Apr 27 j 09:54	27°♒37'17	6.26667 AU
	-9219 May 08 j 01:22	0°♓	
morning rise	-9219 May 11 j 01:56	0°♓40'21	
retrograde	-9219 Sep 09 j 20:56	18°♓20'36	
opposition	-9219 Nov 08 j 07:29	13°♓25'01	-0°15'23
min. Earth dist.	-9219 Nov 08 j 16:53	13°♓21'55	4.30121 AU
direct	-9218 Jan 08 j 20:10	8°♓21'04	
asc. node	-9218 Jan 23 j 17:40	8°♓41'24	
evening set	-9218 May 17 j 13:05	26°♓41'53	
conjunction	-9218 May 30 j 18:02	29°♓37'27	0°17'06
minimum elong	-9218 May 30 j 18:01	29°♓37'26	0°17'01
max. Earth dist.	-9218 May 29 j 18:41	29°♓24'29	6.32797 AU
	-9218 Jun 01 j 10:38	0°♈	
morning rise	-9218 Jun 12 j 19:39	2°♈31'14	
retrograde	-9218 Oct 11 j 08:55	19°♈47'29	
opposition	-9218 Dec 10 j 08:45	14°♈54'42	1°01'10
min. Earth dist.	-9218 Dec 11 j 04:16	14°♈48'23	4.34522 AU
direct	-9217 Feb 10 j 17:40	9°♈52'17	
evening set	-9217 Jun 18 j 14:59	27°♈59'13	
	-9217 Jun 27 j 16:57	0°♉	
max. Earth dist.	-9217 Jun 30 j 03:27	0°♉32'33	6.35047 AU
conjunction	-9217 Jul 01 j 10:11	0°♉49'39	1°04'35

Attention, astronomical year style is used: The year -9217 in astronomical counting style is the year 9218 BCE in historical counting style.

minimum elong	-9217 Jul	01 j 10:06	0°♉49'36	1°04'49
morning rise	-9217 Jul	14 j 02:08	3°♉38'32	
	-9217 Sep	08 j 14:28	15°♉	
retrograde	-9217 Nov	12 j 00:04	20°♉54'42	
opposition	-9216 Jan	11 j 17:03	16°♉03'06	1°59'24
min. Earth dist.	-9216 Jan	12 j 15:32	15°♉55'56	4.34592 AU
	-9216 Jan	20 j 00:42	15°℞♉	
direct	-9216 Mar	14 j 05:20	11°♉03'24	
	-9216 May	06 j 08:49	15°♉	
evening set	-9216 Jul	18 j 21:25	29°♉04'58	
	-9216 Jul	22 j 23:56	0°♊	
max. Earth dist.	-9216 Jul	30 j 01:40	1°♊35'18	6.32796 AU
conjunction	-9216 Jul	31 j 08:44	1°♊52'46	1°33'20
minimum elong	-9216 Jul	31 j 08:41	1°♊52'44	1°33'48
morning rise	-9216 Aug	12 j 18:21	4°♊39'47	
retrograde	-9216 Dec	13 j 15:11	22°♊18'14	
opposition	-9215 Feb	12 j 19:51	17°♊25'59	2°23'35
min. Earth dist.	-9215 Feb	13 j 16:34	17°♊19'25	4.30247 AU
direct	-9215 Apr	15 j 22:01	12°♊29'16	
	-9215 Aug	16 j 12:20	0°♋	
evening set	-9215 Aug	19 j 00:35	0°♋34'04	
max. Earth dist.	-9215 Aug	30 j 11:34	3°♋10'35	6.26636 AU
conjunction	-9215 Aug	31 j 09:51	3°♋23'18	1°35'01
minimum elong	-9215 Aug	31 j 09:53	3°♋23'19	1°35'36
morning rise	-9215 Sep	12 j 19:10	6°♋12'41	
retrograde	-9214 Jan	16 j 11:09	24°♋30'07	
opposition	-9214 Mar	18 j 23:13	19°♋35'23	2°04'56
min. Earth dist.	-9214 Mar	19 j 09:34	19°♋32'06	4.22674 AU
direct	-9214 May	18 j 23:48	14°♋41'14	
	-9214 Sep	06 j 20:32	0°♌	
evening set	-9214 Sep	19 j 19:21	2°♌56'56	
conjunction	-9214 Oct	02 j 09:01	5°♌51'29	1°07'27
minimum elong	-9214 Oct	02 j 09:06	5°♌51'32	1°07'57
max. Earth dist.	-9214 Oct	02 j 03:07	5°♌48'03	6.18346 AU
morning rise	-9214 Oct	15 j 00:31	8°♌47'10	
	-9214 Nov	11 j 19:23	15°♌	
retrograde	-9213 Feb	20 j 19:03	27°♌50'54	
opposition	-9213 Apr	23 j 02:43	22°♌52'32	1°05'08
min. Earth dist.	-9213 Apr	23 j 00:44	22°♌53'11	4.14185 AU
direct	-9213 Jun	21 j 22:19	17°♌59'36	
	-9213 Sep	24 j 01:11	0°♍	
evening set	-9213 Oct	22 j 23:47	6°♍32'14	
conjunction	-9213 Nov	04 j 22:14	9°♍34'06	0°16'58
minimum elong	-9213 Nov	04 j 22:16	9°♍34'07	0°17'13
max. Earth dist.	-9213 Nov	05 j 10:43	9°♍41'25	6.10511 AU
morning rise	-9213 Nov	18 j 00:02	12°♍37'47	
	-9212 Feb	17 j 12:58	0°♎	
desc. node	-9212 Mar	01 j 02:02	1°♎13'47	
retrograde	-9212 Mar	28 j 00:51	2°♎21'19	
	-9212 May	06 j 11:39	30°℞♍	
opposition	-9212 May	27 j 20:34	27°♍19'11	-0°19'19
min. Earth dist.	-9212 May	27 j 05:07	27°♍24'18	4.07658 AU
direct	-9212 Jul	25 j 12:14	22°♍25'36	
	-9212 Oct	04 j 22:27	0°♎	
evening set	-9212 Nov	26 j 00:18	11°♎17'52	
conjunction	-9212 Dec	09 j 07:55	14°♎25'44	-0°40'38
minimum elong	-9212 Dec	09 j 07:51	14°♎25'42	0°40'42
max. Earth dist.	-9212 Dec	10 j 12:41	14°♎42'40	6.05878 AU
morning rise	-9212 Dec	22 j 19:01	17°♎35'28	
	-9211 Feb	18 j 17:17	0°♏	
retrograde	-9211 May	03 j 12:31	7°♏37'14	
opposition	-9211 Jul	02 j 14:08	2°♏32'32	-1°38'24
min. Earth dist.	-9211 Jul	01 j 16:24	2°♏39'54	4.05460 AU
	-9211 Jul	22 j 08:46	30°℞♎	
direct	-9211 Aug	29 j 17:19	27°♎36'28	
	-9211 Oct	06 j 21:49	0°♏	
	-9211 Dec	25 j 02:51	15°♏	
evening set	-9210 Jan	01 j 14:07	16°♏43'43	
conjunction	-9210 Jan	15 j 04:11	19°♏54'03	-1°23'53
minimum elong	-9210 Jan	15 j 04:06	19°♏54'00	1°24'16
max. Earth dist.	-9210 Jan	16 j 16:04	20°♏15'02	6.06202 AU
morning rise	-9210 Jan	28 j 20:37	23°♏05'34	
	-9210 Feb	28 j 14:28	0°♐	
retrograde	-9210 Jun	08 j 05:33	12°♐53'58	
opposition	-9210 Aug	06 j 15:39	7°♐49'08	-2°21'03
min. Earth dist.	-9210 Aug	05 j 18:31	7°♐56'22	4.08424 AU
direct	-9210 Oct	03 j 23:24	2°♐49'43	
evening set	-9209 Feb	07 j 16:38	21°♐59'19	
conjunction	-9209 Feb	21 j 09:40	25°♐08'31	-1°36'12
minimum elong	-9209 Feb	21 j 09:41	25°♐08'31	1°36'45
max. Earth dist.	-9209 Feb	22 j 12:58	25°♐24'14	6.11420 AU
morning rise	-9209 Mar	07 j 03:30	28°♐17'55	
	-9209 Mar	14 j 15:08	0°♑	
retrograde	-9209 Jul	12 j 13:45	17°♑25'32	
opposition	-9209 Sep	09 j 15:30	12°♑22'56	-2°12'29
min. Earth dist.	-9209 Sep	09 j 02:49	12°♑27'16	4.15372 AU
direct	-9209 Nov	07 j 22:28	7°♑20'25	
evening set	-9208 Mar	15 j 01:12	26°♑17'55	
conjunction	-9208 Mar	28 j 18:07	29°♑23'38	-1°14'32
minimum elong	-9208 Mar	28 j 18:12	29°♑23'41	1°15'04
max. Earth dist.	-9208 Mar	29 j 05:40	29°♑30'10	6.19560 AU
	-9208 Mar	31 j 10:21	0°♒	
morning rise	-9208 Apr	11 j 09:25	2°♒28'26	
	-9208 Jun	12 j 02:17	15°♒	
retrograde	-9208 Aug	13 j 11:37	20°♒45'10	
opposition	-9208 Oct	11 j 14:01	15°♒46'17	-1°19'55
min. Earth dist.	-9208 Oct	11 j 13:06	15°♒46'35	4.23845 AU
	-9208 Oct	17 j 08:16	15°℞♒	
direct	-9208 Dec	11 j 02:38	10°♒42'12	
	-9207 Feb	03 j 18:29	15°♒	
evening set	-9207 Apr	18 j 21:14	29°♒19'23	
	-9207 Apr	21 j 22:25	0°♓	
conjunction	-9207 May	02 j 09:24	2°♓19'55	-0°29'00
minimum elong	-9207 May	02 j 09:27	2°♓19'56	0°29'18
max. Earth dist.	-9207 May	01 j 23:56	2°♓14'38	6.27780 AU
morning rise	-9207 May	15 j 18:44	5°♓18'52	
retrograde	-9207 Sep	14 j 07:27	22°♓53'57	
opposition	-9207 Nov	12 j 19:19	17°♓58'44	-0°04'17
min. Earth dist.	-9207 Nov	13 j 06:45	17°♓54'58	4.31077 AU
asc. node	-9207 Dec	04 j 03:03	15°♓19'09	
direct	-9206 Jan	13 j 12:07	12°♓54'48	
	-9206 May	16 j 13:40	0°♈	
evening set	-9206 May	22 j 02:10	1°♈12'37	
max. Earth dist.	-9206 Jun	03 j 06:17	3°♈54'13	6.33506 AU
conjunction	-9206 Jun	04 j 05:56	4°♈07'20	0°24'25
minimum elong	-9206 Jun	04 j 05:53	4°♈07'19	0°24'23
morning rise	-9206 Jun	17 j 05:58	7°♈00'13	
retrograde	-9206 Oct	15 j 16:57	24°♈14'27	
opposition	-9206 Dec	14 j 20:00	19°♈21'54	1°10'47
min. Earth dist.	-9206 Dec	15 j 15:47	19°♈15'31	4.34932 AU
direct	-9205 Feb	15 j 05:45	14°♈19'48	
	-9205 Jun	11 j 23:04	0°♉	
evening set	-9205 Jun	23 j 00:18	2°♉25'01	
max. Earth dist.	-9205 Jul	04 j 09:24	4°♉56'38	6.35098 AU

Attention, astronomical year style is used: The year -9205 in astronomical counting style is the year 9206 BCE in historical counting style.

conjunction	-9205 Jul 05 j 18:02	5°♉14'49	1°09'56	
minimum elong	-9205 Jul 05 j 17:57	5°♉14'46	1°10'12	
morning rise	-9205 Jul 18 j 08:58	8°♉03'12		
	-9205 Aug 19 j 23:53	15°♉		
retrograde	-9205 Nov 16 j 12:09	25°♉20'52		
opposition	-9204 Jan 16 j 06:07	20°♉29'17	2°05'03	
min. Earth dist.	-9204 Jan 17 j 05:46	20°♉21'45	4.34287 AU	
direct	-9204 Mar 18 j 18:51	15°♉29'55		
	-9204 Jul 07 j 04:38	0°♊		
evening set	-9204 Jul 23 j 04:48	3°♊31'18		
max. Earth dist.	-9204 Aug 03 j 09:34	6°♊02'10	6.32142 AU	
conjunction	-9204 Aug 04 j 15:35	6°♊19'05	1°35'18	
minimum elong	-9204 Aug 04 j 15:33	6°♊19'03	1°35'47	
morning rise	-9204 Aug 17 j 00:41	9°♊06'09		
retrograde	-9204 Dec 18 j 04:45	26°♊49'13		
opposition	-9203 Feb 17 j 11:57	21°♊56'41	2°23'38	
min. Earth dist.	-9203 Feb 18 j 06:58	21°♊50'40	4.29298 AU	
direct	-9203 Apr 20 j 10:23	17°♊00'23		
	-9203 Jul 31 j 07:49	0°♋		
evening set	-9203 Aug 23 j 09:20	5°♋06'32		
conjunction	-9203 Sep 04 j 18:46	7°♋56'18	1°32'53	
minimum elong	-9203 Sep 04 j 18:49	7°♋56'20	1°33'26	
max. Earth dist.	-9203 Sep 03 j 22:06	7°♋44'28	6.25469 AU	
morning rise	-9203 Sep 17 j 04:34	10°♋46'24		
retrograde	-9202 Jan 21 j 08:17	29°♋10'27		
opposition	-9202 Mar 23 j 19:17	24°♋15'19	1°58'52	
min. Earth dist.	-9202 Mar 24 j 05:03	24°♋12'12	4.21350 AU	
direct	-9202 May 23 j 17:06	19°♋21'25		
	-9202 Aug 20 j 16:09	0°♌		
evening set	-9202 Sep 24 j 08:11	7°♌39'44		
conjunction	-9202 Oct 06 j 22:55	10°♌35'21	1°01'31	
minimum elong	-9202 Oct 06 j 23:00	10°♌35'24	1°01'59	
max. Earth dist.	-9202 Oct 06 j 19:02	10°♌33'05	6.17005 AU	
morning rise	-9202 Oct 19 j 15:47	13°♌32'13		
	-9202 Oct 26 j 00:31	15°♌		
	-9201 Jan 13 j 23:45	0°♍		
retrograde	-9201 Feb 25 j 18:51	2°♍42'47		
	-9201 Apr 09 j 22:26	30°℞♌		
opposition	-9201 Apr 28 j 01:59	27°♌43'57	0°54'14	
min. Earth dist.	-9201 Apr 27 j 21:12	27°♌45'30	4.12948 AU	
direct	-9201 Jun 26 j 16:10	22°♌51'06		
	-9201 Sep 04 j 11:40	0°♍		
evening set	-9201 Oct 27 j 18:55	11°♍27'04		
conjunction	-9201 Nov 09 j 18:45	14°♍29'59	0°08'52	
minimum elong	-9201 Nov 09 j 18:46	14°♍30'00	0°09'05	
behind sun begin	-9201 Nov 09 j 11:50	14°♍25'56		
behind sun end	-9201 Nov 10 j 01:42	14°♍34'03		
max. Earth dist.	-9201 Nov 10 j 10:13	14°♍39'04	6.09508 AU	
morning rise	-9201 Nov 22 j 21:57	17°♍34'46		
desc. node	-9200 Jan 09 j 16:14	28°♍01'01		
	-9200 Jan 20 j 04:47	0°♎		
retrograde	-9200 Apr 02 j 04:54	7°♎23'01		
opposition	-9200 Jun 01 j 21:33	2°♎20'26	-0°31'31	
min. Earth dist.	-9200 Jun 01 j 04:58	2°♎25'57	4.07007 AU	
	-9200 Jun 20 j 06:44	30°℞♍		
direct	-9200 Jul 30 j 11:03	27°♍26'40		
	-9200 Sep 08 j 02:27	0°♎		
evening set	-9200 Dec 01 j 01:47	16°♎21'35		
conjunction	-9200 Dec 14 j 10:30	19°♎30'01	-0°48'02	
minimum elong	-9200 Dec 14 j 10:25	19°♎29'59	0°48'10	
max. Earth dist.	-9200 Dec 15 j 18:17	19°♎48'44	6.05662 AU	
morning rise	-9200 Dec 27 j 22:34	22°♎40'15		
	-9199 Jan 29 j 10:50	0°♏		
retrograde	-9199 May 08 j 13:55	12°♏41'40		
opposition	-9199 Jul 07 j 13:30	7°♏36'51	-1°47'04	
min. Earth dist.	-9199 Jul 06 j 14:37	7°♏44'37	4.05766 AU	
direct	-9199 Sep 03 j 15:39	2°♏40'28		
	-9199 Dec 07 j 14:01	15°♏		
evening set	-9198 Jan 06 j 18:45	21°♏48'00		
conjunction	-9198 Jan 20 j 09:11	24°♏58'08	-1°27'39	
minimum elong	-9198 Jan 20 j 09:06	24°♏58'06	1°28'04	
max. Earth dist.	-9198 Jan 21 j 20:07	25°♏18'32	6.06974 AU	
morning rise	-9198 Feb 03 j 02:03	28°♏09'24		
	-9198 Feb 11 j 02:21	0°♐		
retrograde	-9198 Jun 13 j 01:14	17°♐52'05		
opposition	-9198 Aug 11 j 10:41	12°♐47'24	-2°22'51	
min. Earth dist.	-9198 Aug 10 j 14:06	12°♐54'28	4.09594 AU	
direct	-9198 Oct 08 j 22:01	7°♐47'30		
evening set	-9197 Feb 12 j 18:41	26°♐54'30		
conjunction	-9197 Feb 26 j 11:58	0°♑03'07	-1°35'03	
minimum elong	-9197 Feb 26 j 12:00	0°♑03'09	1°35'37	
	-9197 Feb 26 j 06:31	0°♑		
max. Earth dist.	-9197 Feb 27 j 14:58	0°♑18'38	6.12886 AU	
morning rise	-9197 Mar 12 j 05:24	3°♑11'43		
retrograde	-9197 Jul 17 j 04:22	22°♑10'45		
opposition	-9197 Sep 14 j 05:22	17°♑08'39	-2°07'22	
min. Earth dist.	-9197 Sep 13 j 18:21	17°♑12'24	4.16971 AU	
direct	-9197 Nov 12 j 16:34	12°♑05'50		
	-9196 Mar 15 j 11:34	0°♒		
evening set	-9196 Mar 19 j 21:20	0°♒59'05		
conjunction	-9196 Apr 02 j 13:39	4°♒03'56	-1°09'22	
minimum elong	-9196 Apr 02 j 13:45	4°♒03'59	1°09'52	
max. Earth dist.	-9196 Apr 02 j 20:58	4°♒08'03	6.21144 AU	
morning rise	-9196 Apr 16 j 04:25	7°♒07'48		
	-9196 May 22 j 20:51	15°♒		
retrograde	-9196 Aug 17 j 19:26	25°♒16'45		
opposition	-9196 Oct 15 j 23:26	20°♒18'22	-1°10'25	
min. Earth dist.	-9196 Oct 16 j 00:39	20°♒17'58	4.25266 AU	
direct	-9196 Dec 15 j 16:22	15°♒14'09		
	-9195 Apr 06 j 00:48	0°♓		
evening set	-9195 Apr 23 j 10:46	3°♓47'36		
conjunction	-9195 May 06 j 22:03	6°♓47'16	-0°21'52	
minimum elong	-9195 May 06 j 22:06	6°♓47'18	0°22'10	
max. Earth dist.	-9195 May 06 j 10:27	6°♓40'49	6.28937 AU	
morning rise	-9195 May 20 j 06:07	9°♓45'16		
retrograde	-9195 Sep 18 j 13:07	27°♓15'49		
asc. node	-9195 Oct 16 j 11:28	26°♓00'48		
opposition	-9195 Nov 17 j 02:35	22°♓21'05	0°06'20	
min. Earth dist.	-9195 Nov 17 j 15:54	22°♓16'43	4.31875 AU	
direct	-9194 Jan 17 j 22:16	17°♓17'20		
	-9194 Apr 30 j 12:33	0°♈		
evening set	-9194 May 26 j 10:48	5°♈33'08		
max. Earth dist.	-9194 Jun 07 j 09:45	8°♈11'57	6.33857 AU	
conjunction	-9194 Jun 08 j 13:09	8°♈27'09	0°31'17	
minimum elong	-9194 Jun 08 j 13:06	8°♈27'07	0°31'18	
morning rise	-9194 Jun 21 j 12:05	11°♈19'25		
retrograde	-9194 Oct 19 j 23:53	28°♈33'24		
opposition	-9194 Dec 19 j 04:16	23°♈41'06	1°19'40	
min. Earth dist.	-9194 Dec 20 j 01:51	23°♈34'08	4.34837 AU	
direct	-9193 Feb 19 j 15:10	18°♈39'16		
	-9193 May 26 j 14:15	0°♉		
evening set	-9193 Jun 27 j 06:21	6°♉44'40		
conjunction	-9193 Jul 09 j 23:07	9°♉34'13	1°14'44	

Attention, astronomical year style is used: The year -9193 in astronomical counting style is the year 9194 BCE in historical counting style.

minimum elong	-9193 Jul 09 j 23:03	9°♉34'10	1°15'01
max. Earth dist.	-9193 Jul 08 j 14:56	9°♉16'15	6.34548 AU
morning rise	-9193 Jul 22 j 12:55	12°♉22'23	
	-9193 Aug 03 j 11:56	15°♉	
retrograde	-9193 Nov 20 j 21:33	29°♉43'52	
opposition	-9192 Jan 20 j 17:40	24°♉52'17	2°09'54
min. Earth dist.	-9192 Jan 21 j 16:54	24°♉44'54	4.33345 AU
direct	-9192 Mar 23 j 04:28	19°♉53'23	
	-9192 Jun 20 j 05:03	0°♊	
evening set	-9192 Jul 27 j 11:36	7°♊56'49	
conjunction	-9192 Aug 08 j 21:46	10°♊44'51	1°36'38
minimum elong	-9192 Aug 08 j 21:44	10°♊44'50	1°37'09
max. Earth dist.	-9192 Aug 07 j 15:21	10°♊27'40	6.30865 AU
morning rise	-9192 Aug 21 j 06:47	13°♊32'22	
	-9192 Nov 22 j 19:53	0°♋	
retrograde	-9192 Dec 22 j 21:44	1°♋22'13	
	-9191 Jan 22 j 03:27	30°℞♊	
opposition	-9191 Feb 22 j 04:41	26°♊29'26	2°22'47
min. Earth dist.	-9191 Feb 22 j 23:17	26°♊23'32	4.27777 AU
direct	-9191 Apr 25 j 00:30	21°♊33'29	
	-9191 Jul 13 j 03:31	0°♋	
evening set	-9191 Aug 27 j 19:04	9°♋42'49	
max. Earth dist.	-9191 Sep 08 j 11:19	12°♋23'16	6.23844 AU
conjunction	-9191 Sep 09 j 05:07	12°♋33'29	1°30'05
minimum elong	-9191 Sep 09 j 05:10	12°♋33'31	1°30'39
morning rise	-9191 Sep 21 j 15:36	15°♋24'35	
	-9191 Dec 04 j 23:51	0°♌	
retrograde	-9190 Jan 26 j 05:46	3°♌56'39	
	-9190 Mar 20 j 23:37	30°℞♋	
opposition	-9190 Mar 28 j 17:17	29°♋01'02	1°51'51
min. Earth dist.	-9190 Mar 29 j 00:07	28°♋58'51	4.19750 AU
direct	-9190 May 28 j 09:41	24°♋07'26	
	-9190 Jul 30 j 23:47	0°♌	
evening set	-9190 Sep 28 j 23:20	12°♌29'06	
	-9190 Oct 09 j 18:54	15°♌	
conjunction	-9190 Oct 11 j 15:11	15°♌25'49	0°55'00
minimum elong	-9190 Oct 11 j 15:16	15°♌25'52	0°55'27
max. Earth dist.	-9190 Oct 11 j 14:26	15°♌25'23	6.15575 AU
morning rise	-9190 Oct 24 j 09:29	18°♌23'56	
	-9190 Dec 17 j 21:32	0°♍	
retrograde	-9189 Mar 02 j 22:39	7°♍41'24	
opposition	-9189 May 03 j 03:37	2°♍41'54	0°42'41
min. Earth dist.	-9189 May 02 j 20:41	2°♍44'09	4.11789 AU
	-9189 May 25 j 02:53	30°℞♌	
direct	-9189 Jul 01 j 14:14	27°♌49'00	
	-9189 Aug 07 j 12:17	0°♍	
evening set	-9189 Nov 01 j 16:27	16°♍27'42	
conjunction	-9189 Nov 14 j 17:41	19°♍31'33	0°00'32
minimum elong	-9189 Nov 14 j 17:42	19°♍31'33	0°00'42
behind sun begin	-9189 Nov 14 j 09:31	19°♍26'46	
behind sun end	-9189 Nov 15 j 01:52	19°♍36'20	
max. Earth dist.	-9189 Nov 15 j 13:13	19°♍43'01	6.08729 AU
desc. node	-9189 Nov 18 j 04:36	20°♍20'18	
morning rise	-9189 Nov 27 j 22:17	22°♍37'17	
	-9189 Dec 30 j 17:16	0°♎	
retrograde	-9188 Apr 07 j 08:43	12°♎28'31	
opposition	-9188 Jun 06 j 23:21	7°♎25'28	-0°43'38
min. Earth dist.	-9188 Jun 06 j 04:57	7°♎31'36	4.06684 AU
direct	-9188 Aug 04 j 09:50	2°♎31'24	
evening set	-9188 Dec 06 j 04:40	21°♎27'45	
conjunction	-9188 Dec 19 j 14:13	24°♎36'29	-0°55'08
minimum elong	-9188 Dec 19 j 14:07	24°♎36'26	0°55'19
max. Earth dist.	-9188 Dec 20 j 22:25	24°♎55'25	6.05767 AU
morning rise	-9187 Jan 02 j 03:15	27°♎46'59	
	-9187 Jan 11 j 17:03	0°♏	
	-9187 Apr 01 j 02:27	15°♏	
retrograde	-9187 May 13 j 14:09	17°♏46'33	
	-9187 Jun 24 j 21:04	15°℞♏	
opposition	-9187 Jul 12 j 12:36	12°♏41'31	-1°54'59
min. Earth dist.	-9187 Jul 11 j 13:15	12°♏49'27	4.06283 AU
direct	-9187 Sep 08 j 15:34	7°♏44'35	
	-9187 Nov 17 j 11:06	15°♏	
evening set	-9186 Jan 11 j 23:05	26°♏51'44	
conjunction	-9186 Jan 25 j 14:11	0°♐01'42	-1°30'48
minimum elong	-9186 Jan 25 j 14:07	0°♐01'40	1°31'15
	-9186 Jan 25 j 11:16	0°♐	
max. Earth dist.	-9186 Jan 27 j 02:06	0°♐22'36	6.07838 AU
morning rise	-9186 Feb 08 j 07:08	3°♐12'35	
retrograde	-9186 Jun 17 j 22:32	22°♐49'18	
min. Earth dist.	-9186 Aug 15 j 10:26	17°♐51'23	4.10717 AU
opposition	-9186 Aug 16 j 05:30	17°♐44'52	-2°23'42
direct	-9186 Oct 13 j 19:52	12°♐44'30	
	-9185 Feb 09 j 19:38	0°♑	
evening set	-9185 Feb 17 j 20:50	1°♑49'17	
conjunction	-9185 Mar 03 j 14:03	4°♑57'21	-1°33'18
minimum elong	-9185 Mar 03 j 14:05	4°♑57'22	1°33'52
max. Earth dist.	-9185 Mar 04 j 13:42	5°♑10'53	6.14159 AU
morning rise	-9185 Mar 17 j 07:25	8°♑05'18	
retrograde	-9185 Jul 21 j 17:29	26°♑56'40	
opposition	-9185 Sep 18 j 19:33	21°♑55'00	-2°01'30
min. Earth dist.	-9185 Sep 18 j 09:52	21°♑58'18	4.18277 AU
direct	-9185 Nov 17 j 10:29	16°♑51'53	
	-9184 Feb 27 j 14:41	0°♒	
evening set	-9184 Mar 24 j 18:20	5°♒42'07	
conjunction	-9184 Apr 07 j 10:17	8°♒46'17	-1°03'44
minimum elong	-9184 Apr 07 j 10:22	8°♒46'20	1°04'13
max. Earth dist.	-9184 Apr 07 j 14:56	8°♒48'54	6.22410 AU
morning rise	-9184 Apr 21 j 00:16	11°♒49'19	
	-9184 May 05 j 09:37	15°♒	
retrograde	-9184 Aug 22 j 06:37	29°♒51'46	
opposition	-9184 Oct 20 j 10:45	24°♒53'58	-1°00'26
min. Earth dist.	-9184 Oct 20 j 14:24	24°♒52'45	4.26368 AU
direct	-9184 Dec 20 j 08:12	19°♒49'45	
	-9183 Mar 19 j 10:40	0°♓	
evening set	-9183 Apr 28 j 02:12	8°♓20'25	
conjunction	-9183 May 11 j 12:28	11°♓19'20	-0°14'30
minimum elong	-9183 May 11 j 12:29	11°♓19'21	0°14'45
behind sun begin	-9183 May 11 j 09:20	11°♓17'37	
behind sun end	-9183 May 11 j 15:38	11°♓21'06	
max. Earth dist.	-9183 May 10 j 21:35	11°♓11'04	6.29794 AU
morning rise	-9183 May 24 j 19:28	14°♓16'33	
	-9183 Aug 20 j 19:10	0°♈	
asc. node	-9183 Aug 27 j 03:46	0°♈35'10	
retrograde	-9183 Sep 22 j 21:01	1°♈43'43	
	-9183 Oct 26 j 01:12	30°℞♓	
opposition	-9183 Nov 21 j 12:59	26°♓49'23	0°17'11
min. Earth dist.	-9183 Nov 22 j 03:36	26°♓44'35	4.32440 AU
direct	-9182 Jan 22 j 11:01	21°♓45'48	
	-9182 Apr 12 j 03:35	0°♈	
evening set	-9182 May 30 j 22:02	10°♈00'08	
conjunction	-9182 Jun 12 j 23:05	12°♈53'29	0°38'12
minimum elong	-9182 Jun 12 j 23:02	12°♈53'27	0°38'16
max. Earth dist.	-9182 Jun 11 j 19:09	12°♈37'58	6.34095 AU
morning rise	-9182 Jun 25 j 20:37	15°♈45'05	

Attention, astronomical year style is used: The year -9182 in astronomical counting style is the year 9183 BCE in historical counting style.

	-9182 Sep 09 j 23:13	0°♉	
retrograde	-9182 Oct 24 j 09:28	2°♉59'14	
	-9182 Dec 08 j 14:48	30°℞♈	
opposition	-9182 Dec 23 j 15:50	28°♈07'12	1°28'25
min. Earth dist.	-9182 Dec 24 j 14:11	28°♈00'02	4.34751 AU
direct	-9181 Feb 24 j 03:56	23°♈05'49	
	-9181 May 07 j 08:51	0°♉	
evening set	-9181 Jul 01 j 15:23	11°♉11'05	
max. Earth dist.	-9181 Jul 12 j 21:11	13°♉41'26	6.34128 AU
conjunction	-9181 Jul 14 j 06:54	14°♉00'17	1°19'16
minimum elong	-9181 Jul 14 j 06:49	14°♉00'14	1°19'37
	-9181 Jul 18 j 17:45	15°♉	
morning rise	-9181 Jul 26 j 19:54	16°♉48'14	
	-9181 Oct 02 j 16:17	0°♊	
retrograde	-9181 Nov 25 j 10:51	4°♊13'08	
	-9180 Jan 20 j 06:52	30°℞♉	
opposition	-9180 Jan 25 j 08:24	29°♉21'31	2°14'11
min. Earth dist.	-9180 Jan 26 j 07:22	29°♉14'13	4.32652 AU
direct	-9180 Mar 27 j 17:51	24°♉23'03	
	-9180 May 30 j 16:53	0°♊	
evening set	-9180 Jul 31 j 20:12	12°♊27'25	
max. Earth dist.	-9180 Aug 12 j 02:29	14°♊59'59	6.29968 AU
conjunction	-9180 Aug 13 j 06:08	15°♊15'39	1°37'30
minimum elong	-9180 Aug 13 j 06:07	15°♊15'38	1°38'02
morning rise	-9180 Aug 25 j 14:49	18°♊03'25	
	-9180 Oct 23 j 07:41	0°♋	
retrograde	-9180 Dec 27 j 14:43	5°♋58'48	
opposition	-9179 Feb 26 j 23:17	1°♋05'46	2°21'05
min. Earth dist.	-9179 Feb 27 j 16:00	1°♋00'28	4.26757 AU
	-9179 Mar 07 j 16:27	30°℞♊	
direct	-9179 Apr 29 j 15:39	26°♊10'19	
	-9179 Jun 19 j 22:46	0°♋	
evening set	-9179 Sep 01 j 05:47	14°♋20'57	
conjunction	-9179 Sep 13 j 16:08	17°♋12'14	1°26'46
minimum elong	-9179 Sep 13 j 16:12	17°♋12'16	1°27'20
max. Earth dist.	-9179 Sep 12 j 23:55	17°♋02'54	6.22798 AU
morning rise	-9179 Sep 26 j 03:29	20°♋04'07	
	-9179 Nov 11 j 13:30	0°♌	
retrograde	-9178 Jan 31 j 04:10	8°♌42'13	
opposition	-9178 Apr 02 j 15:02	3°♌46'06	1°44'09
min. Earth dist.	-9178 Apr 02 j 19:46	3°♌44'35	4.18743 AU
	-9178 May 06 j 07:25	30°℞♋	
direct	-9178 Jun 02 j 03:44	28°♋52'41	
	-9178 Jun 28 j 19:18	0°♌	
	-9178 Sep 23 j 17:31	15°♌	
evening set	-9178 Oct 03 j 13:45	17°♌15'49	
conjunction	-9178 Oct 16 j 06:52	20°♌13'27	0°48'14
minimum elong	-9178 Oct 16 j 06:56	20°♌13'30	0°48'38
max. Earth dist.	-9178 Oct 16 j 10:11	20°♌15'23	6.14722 AU
morning rise	-9178 Oct 29 j 02:24	23°♌12'32	
	-9178 Nov 28 j 09:44	0°♍	
retrograde	-9177 Mar 07 j 23:08	12°♍34'34	
opposition	-9177 May 08 j 02:39	7°♍34'35	0°31'03
min. Earth dist.	-9177 May 07 j 17:50	7°♍37'27	4.11161 AU
direct	-9177 Jul 06 j 09:07	2°♍41'41	
desc. node	-9177 Sep 28 j 08:24	12°♍39'17	
evening set	-9177 Nov 06 j 11:49	21°♍21'46	
conjunction	-9177 Nov 19 j 14:08	24°♍26'17	-0°07'39
minimum elong	-9177 Nov 19 j 14:07	24°♍26'16	0°07'31
behind sun begin	-9177 Nov 19 j 06:40	24°♍21'55	
behind sun end	-9177 Nov 19 j 21:33	24°♍30'38	
max. Earth dist.	-9177 Nov 20 j 10:44	24°♍38'24	6.08361 AU
morning rise	-9177 Dec 02 j 20:07	27°♍32'45	
	-9177 Dec 13 j 10:37	0°♎	
retrograde	-9176 Apr 12 j 07:27	17°♎25'42	
opposition	-9176 Jun 11 j 21:23	12°♎22'13	-0°55'03
min. Earth dist.	-9176 Jun 11 j 01:32	12°♎28'51	4.06611 AU
direct	-9176 Aug 09 j 06:13	7°♎27'49	
evening set	-9176 Dec 11 j 04:04	26°♎25'11	
conjunction	-9176 Dec 24 j 14:39	29°♎34'12	-1°01'37
minimum elong	-9176 Dec 24 j 14:33	29°♎34'09	1°01'50
max. Earth dist.	-9176 Dec 26 j 01:00	29°♎54'22	6.05982 AU
	-9176 Dec 26 j 10:35	0°♏	
morning rise	-9175 Jan 07 j 04:14	2°♏44'51	
	-9175 Mar 05 j 10:07	15°♏	
retrograde	-9175 May 18 j 12:38	22°♏42'20	
min. Earth dist.	-9175 Jul 16 j 09:26	17°♏44'52	4.06778 AU
opposition	-9175 Jul 17 j 07:45	17°♏37'17	-2°01'48
	-9175 Aug 06 j 15:56	15°℞♏	
direct	-9175 Sep 13 j 11:59	12°♏39'54	
	-9175 Oct 21 j 07:16	15°♏	
	-9174 Jan 09 j 05:44	0°♐	
evening set	-9174 Jan 17 j 00:19	1°♐47'08	
conjunction	-9174 Jan 30 j 15:43	4°♐56'56	-1°33'12
minimum elong	-9174 Jan 30 j 15:40	4°♐56'55	1°33'42
max. Earth dist.	-9174 Feb 01 j 01:10	5°♐16'21	6.08535 AU
morning rise	-9174 Feb 13 j 09:03	8°♐07'35	
retrograde	-9174 Jun 22 j 14:01	27°♐39'06	
opposition	-9174 Aug 20 j 20:47	22°♐34'57	-2°23'35
min. Earth dist.	-9174 Aug 20 j 02:20	22°♐41'16	4.11561 AU
direct	-9174 Oct 18 j 13:04	17°♐34'07	
	-9173 Jan 23 j 17:52	0°♑	
evening set	-9173 Feb 22 j 20:09	6°♑37'58	
conjunction	-9173 Mar 08 j 13:29	9°♑45'41	-1°30'57
minimum elong	-9173 Mar 08 j 13:33	9°♑45'43	1°31'32
max. Earth dist.	-9173 Mar 09 j 10:28	9°♑57'40	6.15089 AU
morning rise	-9173 Mar 22 j 06:36	12°♑53'09	
	-9173 Jun 24 j 09:12	0°♒	
retrograde	-9173 Jul 26 j 07:24	1°♒38'24	
	-9173 Aug 26 j 22:17	30°℞♑	
opposition	-9173 Sep 23 j 08:06	26°♑37'16	-1°55'01
min. Earth dist.	-9173 Sep 23 j 01:07	26°♑39'38	4.19188 AU
direct	-9173 Nov 22 j 03:20	21°♑33'54	
	-9172 Feb 08 j 21:25	0°♒	
evening set	-9172 Mar 29 j 13:41	10°♒22'27	
conjunction	-9172 Apr 12 j 05:14	13°♒26'08	-0°57'47
minimum elong	-9172 Apr 12 j 05:19	13°♒26'11	0°58'14
max. Earth dist.	-9172 Apr 12 j 07:14	13°♒27'15	6.23245 AU
	-9172 Apr 19 j 04:19	15°♒	
morning rise	-9172 Apr 25 j 18:32	16°♒28'34	
	-9172 Jul 03 j 11:47	0°♓	
retrograde	-9172 Aug 26 j 15:14	4°♓26'10	
	-9172 Oct 21 j 00:05	30°℞♒	
opposition	-9172 Oct 24 j 21:32	29°♒28'52	-0°50'11
min. Earth dist.	-9172 Oct 25 j 02:05	29°♒27'21	4.27069 AU
direct	-9172 Dec 24 j 21:49	24°♒24'38	
	-9171 Feb 26 j 11:11	0°♓	
evening set	-9171 May 02 j 17:32	12°♓53'51	
max. Earth dist.	-9171 May 15 j 09:36	15°♓42'37	6.30330 AU
conjunction	-9171 May 16 j 02:41	15°♓52'07	-0°07'03
minimum elong	-9171 May 16 j 02:41	15°♓52'07	0°07'16
behind sun begin	-9171 May 15 j 19:12	15°♓47'58	
behind sun end	-9171 May 16 j 10:11	15°♓56'16	
morning rise	-9171 May 29 j 08:33	18°♓48'39	

Attention, astronomical year style is used: The year -9171 in astronomical counting style is the year 9172 BCE in historical counting style.

asc. node	-9171 Jul 07 j 05:51	26°♓59'37	
	-9171 Jul 23 j 16:24	0°♈	
retrograde	-9171 Sep 27 j 07:09	6°♈13'25	
opposition	-9171 Nov 25 j 23:59	1°♈19'30	0°27'57
min. Earth dist.	-9171 Nov 26 j 16:21	1°♈14'10	4.32781 AU
	-9171 Dec 06 j 06:22	30°℞♓	
direct	-9170 Jan 27 j 01:30	26°♓16'10	
	-9170 Mar 19 j 14:11	0°♈	
evening set	-9170 Jun 04 j 09:43	14°♈29'26	
max. Earth dist.	-9170 Jun 16 j 04:16	17°♈05'57	6.34202 AU
conjunction	-9170 Jun 17 j 09:28	17°♈22'11	0°44'55
minimum elong	-9170 Jun 17 j 09:25	17°♈22'08	0°45'01
morning rise	-9170 Jun 30 j 05:46	20°♈13'13	
	-9170 Aug 16 j 18:04	0°♉	
retrograde	-9170 Oct 28 j 19:22	7°♉27'49	
opposition	-9170 Dec 28 j 04:32	2°♉35'53	1°36'42
min. Earth dist.	-9170 Dec 29 j 02:33	2°♉28'49	4.34650 AU
	-9169 Jan 18 j 12:44	30°℞♈	
direct	-9169 Feb 28 j 16:36	27°♈34'49	
	-9169 Apr 10 j 19:22	0°♉	
	-9169 Jul 03 j 01:13	15°♉	
evening set	-9169 Jul 06 j 00:38	15°♉39'32	
max. Earth dist.	-9169 Jul 17 j 07:04	18°♉10'24	6.33815 AU
conjunction	-9169 Jul 18 j 15:07	18°♉28'21	1°23'23
minimum elong	-9169 Jul 18 j 15:03	18°♉28'19	1°23'46
morning rise	-9169 Jul 31 j 03:04	21°♉16'00	
	-9169 Sep 10 j 16:14	0°♊	
retrograde	-9169 Nov 30 j 00:09	8°♊43'43	
opposition	-9168 Jan 29 j 23:42	3°♊52'00	2°17'39
min. Earth dist.	-9168 Jan 30 j 22:15	3°♊44'51	4.32147 AU
	-9168 Mar 05 j 02:07	30°℞♉	
direct	-9168 Apr 01 j 08:19	28°♉53'58	
	-9168 Apr 28 j 12:41	0°♊	
evening set	-9168 Aug 05 j 04:52	16°♊58'12	
max. Earth dist.	-9168 Aug 16 j 10:51	19°♊30'55	6.29283 AU
conjunction	-9168 Aug 17 j 14:18	19°♊46'30	1°37'47
minimum elong	-9168 Aug 17 j 14:18	19°♊46'30	1°38'19
morning rise	-9168 Aug 29 j 23:04	22°♊34'32	
	-9168 Oct 03 j 06:58	0°♋	
retrograde	-9167 Jan 01 j 07:36	10°♋34'29	
opposition	-9167 Mar 03 j 17:16	5°♋41'02	2°18'31
min. Earth dist.	-9167 Mar 04 j 08:19	5°♋36'16	4.25920 AU
direct	-9167 May 04 j 06:12	0°♋45'50	
evening set	-9167 Sep 05 j 15:41	18°♋57'08	
conjunction	-9167 Sep 18 j 02:47	21°♋49'04	1°22'57
minimum elong	-9167 Sep 18 j 02:51	21°♋49'07	1°23'30
max. Earth dist.	-9167 Sep 17 j 14:09	21°♋41'47	6.21884 AU
morning rise	-9167 Sep 30 j 14:48	24°♋41'41	
	-9167 Oct 24 j 08:20	0°♌	
retrograde	-9166 Feb 05 j 01:24	13°♌25'11	
opposition	-9166 Apr 07 j 11:39	8°♌28'34	1°35'49
min. Earth dist.	-9166 Apr 07 j 15:03	8°♌27'29	4.17795 AU
direct	-9166 Jun 06 j 20:28	3°♌35'20	
	-9166 Sep 06 j 20:41	15°♌	
evening set	-9166 Oct 08 j 03:32	21°♌59'57	
conjunction	-9166 Oct 20 j 21:40	24°♌58'27	0°41'12
minimum elong	-9166 Oct 20 j 21:44	24°♌58'29	0°41'35
max. Earth dist.	-9166 Oct 21 j 02:02	25°♌01'00	6.13824 AU
morning rise	-9166 Nov 02 j 18:44	27°♌58'34	
	-9166 Nov 11 j 13:29	0°♍	
retrograde	-9165 Mar 12 j 21:41	17°♍25'31	
opposition	-9165 May 13 j 00:35	12°♍24'55	0°19'18
min. Earth dist.	-9165 May 12 j 13:39	12°♍28'31	4.10373 AU
direct	-9165 Jul 11 j 03:17	7°♍31'54	
desc. node	-9165 Aug 09 j 04:06	8°♍54'32	
evening set	-9165 Nov 11 j 07:06	26°♍14'18	
conjunction	-9165 Nov 24 j 10:49	29°♍19'39	-0°15'39
minimum elong	-9165 Nov 24 j 10:48	29°♍19'38	0°15'34
behind sun begin	-9165 Nov 24 j 08:44	29°♍18'26	
behind sun end	-9165 Nov 24 j 12:51	29°♍20'51	
max. Earth dist.	-9165 Nov 25 j 10:42	29°♍33'42	6.07767 AU
	-9165 Nov 27 j 07:24	0°♎	
morning rise	-9165 Dec 07 j 17:54	2°♎26'53	
retrograde	-9164 Apr 17 j 08:54	22°♎22'18	
opposition	-9164 Jun 16 j 19:06	17°♎18'30	-1°06'06
min. Earth dist.	-9164 Jun 15 j 23:26	17°♎25'05	4.06274 AU
direct	-9164 Aug 14 j 02:46	12°♎23'45	
	-9164 Dec 10 j 05:04	0°♏	
evening set	-9164 Dec 16 j 04:45	1°♏23'28	
conjunction	-9164 Dec 29 j 16:04	4°♏32'50	-1°07'41
minimum elong	-9164 Dec 29 j 15:59	4°♏32'47	1°07'56
max. Earth dist.	-9164 Dec 31 j 01:40	4°♏52'33	6.05906 AU
morning rise	-9163 Jan 12 j 06:37	7°♏43'50	
	-9163 Feb 13 j 14:43	15°♏	
retrograde	-9163 May 23 j 10:03	27°♏40'07	
min. Earth dist.	-9163 Jul 21 j 04:43	22°♏42'50	4.06988 AU
opposition	-9163 Jul 22 j 03:35	22°♏35'02	-2°07'50
direct	-9163 Sep 18 j 07:19	17°♏37'10	
	-9163 Dec 22 j 22:14	0°♐	
evening set	-9162 Jan 22 j 03:11	6°♐45'38	
conjunction	-9162 Feb 04 j 19:09	9°♐55'27	-1°34'59
minimum elong	-9162 Feb 04 j 19:07	9°♐55'26	1°35'29
max. Earth dist.	-9162 Feb 06 j 03:30	10°♐14'12	6.09000 AU
morning rise	-9162 Feb 18 j 12:39	13°♐05'55	
	-9162 May 18 j 03:06	0°♑	
retrograde	-9162 Jun 27 j 09:47	2°♑33'03	
	-9162 Aug 06 j 08:13	30°℞♐	
opposition	-9162 Aug 25 j 14:13	27°♐29'12	-2°22'28
min. Earth dist.	-9162 Aug 24 j 21:56	27°♐34'47	4.12216 AU
direct	-9162 Oct 23 j 09:53	22°♐27'58	
	-9161 Jan 03 j 23:56	0°♑	
evening set	-9161 Feb 27 j 21:43	11°♑31'22	
conjunction	-9161 Mar 13 j 15:12	14°♑38'49	-1°27'56
minimum elong	-9161 Mar 13 j 15:16	14°♑38'51	1°28'29
max. Earth dist.	-9161 Mar 14 j 10:27	14°♑49'47	6.15886 AU
morning rise	-9161 Mar 27 j 08:03	17°♑45'50	
	-9161 May 25 j 15:25	0°♒	
retrograde	-9161 Jul 30 j 21:14	6°♒25'14	
opposition	-9161 Sep 27 j 22:48	1°♒24'39	-1°47'37
min. Earth dist.	-9161 Sep 27 j 16:24	1°♒26'49	4.20052 AU
	-9161 Oct 08 j 12:18	30°℞♑	
direct	-9161 Nov 26 j 20:49	26°♑21'07	
	-9160 Jan 15 j 11:57	0°♒	
	-9160 Apr 02 j 21:02	15°♒	
evening set	-9160 Apr 03 j 11:35	15°♒08'06	
conjunction	-9160 Apr 17 j 02:27	18°♒11'12	-0°51'18
minimum elong	-9160 Apr 17 j 02:31	18°♒11'14	0°51'44
max. Earth dist.	-9160 Apr 17 j 01:06	18°♒10'27	6.24140 AU
morning rise	-9160 Apr 30 j 15:04	21°♒12'59	
	-9160 Jun 11 j 04:24	0°♓	
retrograde	-9160 Aug 31 j 04:39	9°♓05'35	
opposition	-9160 Oct 29 j 10:58	4°♓08'51	-0°39'24
min. Earth dist.	-9160 Oct 29 j 17:42	4°♓06'36	4.27918 AU
	-9160 Dec 05 j 07:39	30°℞♒	

Attention, astronomical year style is used: The year -9159 in astronomical counting style is the year 9160 BCE in historical counting style.

direct	-9160 Dec 29 j 16:04	29°♒04'42	
	-9159 Jan 23 j 05:44	0°♓	
evening set	-9159 May 07 j 10:21	17°♓31'40	
asc. node	-9159 May 16 j 05:05	19°♓28'22	
conjunction	-9159 May 20 j 18:28	20°♓29'10	0°00'38
minimum elong	-9159 May 20 j 18:28	20°♓29'11	0°00'29
behind sun begin	-9159 May 20 j 10:19	20°♓24'40	
behind sun end	-9159 May 21 j 02:38	20°♓33'41	
max. Earth dist.	-9159 May 20 j 00:46	20°♓19'20	6.31095 AU
morning rise	-9159 Jun 02 j 22:59	23°♓24'53	
	-9159 Jul 03 j 19:33	0°♈	
retrograde	-9159 Oct 01 j 16:43	10°♈46'42	
opposition	-9159 Nov 30 j 12:52	5°♈53'09	0°38'40
min. Earth dist.	-9159 Dec 01 j 04:57	5°♈47'55	4.33429 AU
direct	-9158 Jan 31 j 15:53	0°♈50'08	
evening set	-9158 Jun 08 j 22:08	19°♈01'04	
conjunction	-9158 Jun 21 j 20:19	21°♈52'58	0°51'24
minimum elong	-9158 Jun 21 j 20:15	21°♈52'56	0°51'32
max. Earth dist.	-9158 Jun 20 j 14:36	21°♈36'27	6.34689 AU
morning rise	-9158 Jul 04 j 15:15	24°♈43'14	
	-9158 Jul 29 j 03:30	0°♉	
retrograde	-9158 Nov 02 j 07:05	11°♉57'15	
opposition	-9157 Jan 01 j 17:57	7°♉05'30	1°44'22
min. Earth dist.	-9157 Jan 02 j 16:50	6°♉58'11	4.34946 AU
direct	-9157 Mar 05 j 07:55	2°♉04'51	
	-9157 Jun 16 j 17:09	15°♉	
evening set	-9157 Jul 10 j 09:26	20°♉07'33	
conjunction	-9157 Jul 22 j 22:50	22°♉55'52	1°26'57
minimum elong	-9157 Jul 22 j 22:46	22°♉55'50	1°27'22
max. Earth dist.	-9157 Jul 21 j 14:45	22°♉37'54	6.33874 AU
morning rise	-9157 Aug 04 j 09:57	25°♉43'07	
	-9157 Aug 24 j 00:03	0°♊	
retrograde	-9157 Dec 04 j 11:49	13°♊12'39	
opposition	-9156 Feb 03 j 14:13	8°♊20'46	2°20'13
min. Earth dist.	-9156 Feb 04 j 11:26	8°♊14'02	4.31975 AU
direct	-9156 Apr 05 j 20:30	3°♊23'06	
evening set	-9156 Aug 09 j 11:54	21°♊26'11	
conjunction	-9156 Aug 21 j 21:08	24°♊14'32	1°37'28
minimum elong	-9156 Aug 21 j 21:09	24°♊14'32	1°38'01
max. Earth dist.	-9156 Aug 20 j 20:08	24°♊00'19	6.28885 AU
morning rise	-9156 Sep 03 j 05:44	27°♊02'42	
	-9156 Sep 16 j 11:26	0°♋	
retrograde	-9155 Jan 05 j 23:51	15°♋06'30	
opposition	-9155 Mar 08 j 09:46	10°♋12'44	2°15'04
min. Earth dist.	-9155 Mar 09 j 00:29	10°♋08'04	4.25298 AU
direct	-9155 May 08 j 20:25	5°♋17'52	
evening set	-9155 Sep 09 j 23:45	23°♋29'15	
conjunction	-9155 Sep 22 j 11:20	26°♋21'45	1°18'40
minimum elong	-9155 Sep 22 j 11:24	26°♋21'48	1°19'12
max. Earth dist.	-9155 Sep 21 j 23:00	26°♋14'38	6.21089 AU
morning rise	-9155 Oct 05 j 00:23	29°♋15'08	
	-9155 Oct 08 j 06:48	0°♌	
	-9155 Dec 26 j 01:56	15°♌	
retrograde	-9154 Feb 09 j 19:02	18°♌03'50	
	-9154 Mar 28 j 04:18	15°℞♌	
opposition	-9154 Apr 12 j 05:52	13°♌06'41	1°27'00
min. Earth dist.	-9154 Apr 12 j 07:12	13°♌06'15	4.16870 AU
direct	-9154 Jun 11 j 10:00	8°♌13'32	
	-9154 Aug 18 j 17:20	15°♌	
evening set	-9154 Oct 12 j 15:33	26°♌39'58	
conjunction	-9154 Oct 25 j 11:03	29°♌39'27	0°34'03
minimum elong	-9154 Oct 25 j 11:06	29°♌39'29	0°34'24
max. Earth dist.	-9154 Oct 25 j 18:31	29°♌43'49	6.12871 AU
	-9154 Oct 26 j 22:10	0°♍	
morning rise	-9154 Nov 07 j 09:18	2°♍40'34	
retrograde	-9153 Mar 17 j 20:28	22°♍12'39	
opposition	-9153 May 17 j 20:27	17°♍11'37	0°07'37
min. Earth dist.	-9153 May 17 j 09:26	17°♍15'14	4.09466 AU
desc. node	-9153 Jun 21 j 11:04	13°♍17'02	
direct	-9153 Jul 15 j 20:43	12°♍18'26	
	-9153 Nov 11 j 11:36	0°♎	
evening set	-9153 Nov 16 j 01:23	1°♎04'02	
conjunction	-9153 Nov 29 j 06:12	4°♎10'14	-0°23'24
minimum elong	-9153 Nov 29 j 06:10	4°♎10'12	0°23'23
max. Earth dist.	-9153 Nov 30 j 06:17	4°♎24'24	6.06986 AU
morning rise	-9153 Dec 12 j 14:43	7°♎18'23	
retrograde	-9152 Apr 22 j 07:11	27°♎16'58	
opposition	-9152 Jun 21 j 15:25	22°♎12'52	-1°16'30
min. Earth dist.	-9152 Jun 20 j 18:18	22°♎19'59	4.05723 AU
direct	-9152 Aug 18 j 20:16	17°♎17'45	
	-9152 Nov 23 j 05:52	0°♏	
evening set	-9152 Dec 21 j 04:56	6°♏20'49	
conjunction	-9151 Jan 03 j 17:13	9°♏30'42	-1°13'09
minimum elong	-9151 Jan 03 j 17:08	9°♏30'38	1°13'28
max. Earth dist.	-9151 Jan 05 j 03:40	9°♏50'54	6.05630 AU
morning rise	-9151 Jan 17 j 08:22	12°♏42'03	
	-9151 Jan 27 j 07:22	15°♏	
	-9151 Apr 17 j 04:41	0°♐	
retrograde	-9151 May 28 j 08:39	2°♐37'51	
	-9151 Jul 08 j 04:24	30°℞♏	
opposition	-9151 Jul 26 j 23:08	27°♏32'46	-2°12'52
min. Earth dist.	-9151 Jul 26 j 01:26	27°♏40'11	4.07032 AU
direct	-9151 Sep 23 j 04:19	22°♏34'25	
	-9151 Dec 03 j 03:44	0°♐	
evening set	-9150 Jan 27 j 06:22	11°♐44'39	
conjunction	-9150 Feb 09 j 22:51	14°♐54'30	-1°36'00
minimum elong	-9150 Feb 09 j 22:50	14°♐54'29	1°36'31
max. Earth dist.	-9150 Feb 11 j 07:00	15°♐13'06	6.09363 AU
morning rise	-9150 Feb 23 j 16:32	18°♐04'52	
	-9150 Apr 21 j 00:16	0°♑	
retrograde	-9150 Jul 02 j 03:48	7°♑27'26	
opposition	-9150 Aug 30 j 07:24	2°♑23'56	-2°20'16
min. Earth dist.	-9150 Aug 29 j 15:09	2°♑29'29	4.12877 AU
	-9150 Sep 17 j 15:12	30°℞♐	
direct	-9150 Oct 28 j 04:45	27°♐22'18	
	-9150 Dec 08 j 04:07	0°♑	
evening set	-9149 Mar 04 j 23:24	16°♑24'56	
conjunction	-9149 Mar 18 j 16:42	19°♑31'58	-1°24'15
minimum elong	-9149 Mar 18 j 16:47	19°♑32'01	1°24'48
max. Earth dist.	-9149 Mar 19 j 08:46	19°♑41'07	6.16795 AU
morning rise	-9149 Apr 01 j 09:22	22°♑38'29	
	-9149 May 05 j 05:12	0°♒	
retrograde	-9149 Aug 04 j 12:24	11°♒11'27	
opposition	-9149 Oct 02 j 13:34	6°♒11'17	-1°39'29
min. Earth dist.	-9149 Oct 02 j 09:13	6°♒12'45	4.21093 AU
direct	-9149 Dec 01 j 16:56	1°♒07'29	
	-9148 Mar 17 j 00:51	15°♒	
evening set	-9148 Apr 08 j 08:11	19°♒51'42	
conjunction	-9148 Apr 21 j 22:31	22°♒54'06	-0°44'31
minimum elong	-9148 Apr 21 j 22:36	22°♒54'08	0°44'56
max. Earth dist.	-9148 Apr 21 j 20:28	22°♒52'57	6.25236 AU
morning rise	-9148 May 05 j 10:04	25°♒55'01	
	-9148 May 24 j 01:52	0°♓	

Attention, astronomical year style is used: The year -9148 in astronomical counting style is the year 9149 BCE in historical counting style.

retrograde	-9148 Sep 04 j 14:34	13°♓41'51		
opposition	-9148 Nov 02 j 23:17	8°♓45'33	-0°28'28	
min. Earth dist.	-9148 Nov 03 j 06:30	8°♓43'10	4.28949 AU	
direct	-9147 Jan 03 j 07:22	3°♓41'26		
asc. node	-9147 Mar 25 j 13:27	12°♓17'19		
evening set	-9147 May 12 j 01:36	22°♓05'18		
max. Earth dist.	-9147 May 24 j 11:23	24°♓50'18	6.31955 AU	
conjunction	-9147 May 25 j 08:15	25°♓01'53	0°08'12	
minimum elong	-9147 May 25 j 08:14	25°♓01'53	0°08'05	
behind sun begin	-9147 May 25 j 01:00	24°♓57'53		
behind sun end	-9147 May 25 j 15:28	25°♓05'52		
morning rise	-9147 Jun 07 j 11:34	27°♓56'42		
	-9147 Jun 16 j 20:33	0°♈		
retrograde	-9147 Oct 06 j 03:13	15°♈15'25		
opposition	-9147 Dec 05 j 00:23	10°♈22'12	0°49'03	
min. Earth dist.	-9147 Dec 05 j 18:38	10°♈16'16	4.34038 AU	
direct	-9146 Feb 05 j 06:56	5°♈19'21		
evening set	-9146 Jun 13 j 08:32	23°♈28'08		
max. Earth dist.	-9146 Jun 24 j 23:31	26°♈02'41	6.34968 AU	
conjunction	-9146 Jun 26 j 05:29	26°♈19'21	0°57'32	
minimum elong	-9146 Jun 26 j 05:25	26°♈19'18	0°57'43	
morning rise	-9146 Jul 08 j 23:02	29°♈08'56		
	-9146 Jul 12 j 19:42	0°♉		
	-9146 Oct 07 j 17:46	15°♉		
retrograde	-9146 Nov 06 j 16:12	16°♉23'21		
	-9146 Dec 06 j 19:58	15°℞♉		
opposition	-9145 Jan 06 j 06:22	11°♉31'39	1°51'27	
min. Earth dist.	-9145 Jan 07 j 04:46	11°♉24'30	4.34893 AU	
direct	-9145 Mar 09 j 19:09	6°♉31'23		
	-9145 May 29 j 17:10	15°♉		
evening set	-9145 Jul 14 j 17:23	24°♉33'24		
max. Earth dist.	-9145 Jul 25 j 21:51	27°♉03'31	6.33470 AU	
conjunction	-9145 Jul 27 j 05:46	27°♉21'26	1°30'04	
minimum elong	-9145 Jul 27 j 05:42	27°♉21'24	1°30'30	
morning rise	-9145 Aug 08 j 16:10	0°♊08'31		
	-9145 Aug 08 j 00:52	0°♊		
retrograde	-9145 Dec 09 j 02:39	17°♊41'43		
opposition	-9144 Feb 08 j 05:29	12°♊49'43	2°22'06	
min. Earth dist.	-9144 Feb 09 j 03:19	12°♊42'48	4.31238 AU	
direct	-9144 Apr 10 j 10:45	7°♊52'28		
evening set	-9144 Aug 13 j 20:01	25°♊56'22		
max. Earth dist.	-9144 Aug 25 j 04:38	28°♊31'06	6.27869 AU	
conjunction	-9144 Aug 26 j 05:12	28°♊45'05	1°36'36	
minimum elong	-9144 Aug 26 j 05:13	28°♊45'06	1°37'10	
	-9144 Aug 31 j 16:49	0°♋		
morning rise	-9144 Sep 07 j 14:05	1°♋33'47		
retrograde	-9143 Jan 10 j 17:04	19°♋43'39		
opposition	-9143 Mar 13 j 04:25	14°♋49'29	2°10'51	
min. Earth dist.	-9143 Mar 13 j 16:54	14°♋45'31	4.24073 AU	
direct	-9143 May 13 j 10:02	9°♋54'56		
evening set	-9143 Sep 14 j 11:00	28°♋08'37		
	-9143 Sep 22 j 12:15	0°♌		
conjunction	-9143 Sep 26 j 23:31	1°♌02'04	1°13'47	
minimum elong	-9143 Sep 26 j 23:35	1°♌02'07	1°14'18	
max. Earth dist.	-9143 Sep 26 j 14:21	0°♌56'46	6.19775 AU	
morning rise	-9143 Oct 09 j 13:32	3°♌56'29		
	-9143 Nov 30 j 15:17	15°♌		
retrograde	-9142 Feb 14 j 19:44	22°♌52'15		
opposition	-9142 Apr 17 j 04:25	17°♌54'39	1°17'19	
min. Earth dist.	-9142 Apr 17 j 04:57	17°♌54'28	4.15549 AU	
	-9142 May 11 j 09:17	15°℞♌		
direct	-9142 Jun 16 j 05:18	13°♌01'39		
	-9142 Jul 21 j 12:49	15°♌		
	-9142 Oct 10 j 18:53	0°♍		
evening set	-9142 Oct 17 j 08:30	1°♍31'19		
conjunction	-9142 Oct 30 j 05:15	4°♍31'55	0°26'21	
minimum elong	-9142 Oct 30 j 05:17	4°♍31'56	0°26'40	
max. Earth dist.	-9142 Oct 30 j 14:23	4°♍37'16	6.11682 AU	
morning rise	-9142 Nov 12 j 05:10	7°♍34'16		
retrograde	-9141 Mar 22 j 22:30	27°♍12'08		
desc. node	-9141 May 01 j 18:42	24°♍49'02		
opposition	-9141 May 22 j 21:10	22°♍10'41	-0°04'39	
min. Earth dist.	-9141 May 22 j 07:21	22°♍15'14	4.08541 AU	
direct	-9141 Jul 20 j 16:45	17°♍17'27		
	-9141 Oct 25 j 06:13	0°♎		
evening set	-9141 Nov 21 j 01:14	6°♎06'21		
conjunction	-9141 Dec 04 j 07:20	9°♎13'21	-0°31'21	
minimum elong	-9141 Dec 04 j 07:17	9°♎13'19	0°31'22	
max. Earth dist.	-9141 Dec 05 j 10:28	9°♎29'20	6.06432 AU	
morning rise	-9141 Dec 17 j 16:56	12°♎22'14		
	-9140 Mar 19 j 02:05	0°♏		
retrograde	-9140 Apr 27 j 11:11	2°♏22'38		
	-9140 Jun 05 j 13:06	30°℞♎		
opposition	-9140 Jun 26 j 15:53	27°♎18'17	-1°26'46	
min. Earth dist.	-9140 Jun 25 j 18:28	27°♎25'31	4.05637 AU	
direct	-9140 Aug 23 j 20:20	22°♎22'51		
	-9140 Nov 03 j 08:58	0°♏		
evening set	-9140 Dec 26 j 09:26	11°♏27'26		
conjunction	-9139 Jan 08 j 22:29	14°♏37'26	-1°18'17	
minimum elong	-9139 Jan 08 j 22:23	14°♏37'23	1°18'38	
max. Earth dist.	-9139 Jan 10 j 10:43	14°♏58'39	6.06032 AU	
	-9139 Jan 10 j 13:01	15°♏		
morning rise	-9139 Jan 22 j 14:12	17°♏48'48		
	-9139 Mar 20 j 14:50	0°♐		
retrograde	-9139 Jun 02 j 07:08	7°♐40'38		
opposition	-9139 Jul 31 j 20:17	2°♐35'39	-2°16'58	
min. Earth dist.	-9139 Jul 30 j 21:56	2°♐43'18	4.07926 AU	
	-9139 Aug 20 j 20:45	30°℞♏		
direct	-9139 Sep 28 j 01:59	27°♏36'54		
	-9139 Nov 05 j 12:01	0°♐		
evening set	-9138 Feb 01 j 10:23	16°♐45'31		
conjunction	-9138 Feb 15 j 02:58	19°♐54'51	-1°36'22	
minimum elong	-9138 Feb 15 j 02:58	19°♐54'51	1°36'55	
max. Earth dist.	-9138 Feb 16 j 08:54	20°♐12'07	6.10647 AU	
morning rise	-9138 Feb 28 j 20:45	23°♐04'37		
	-9138 Apr 01 j 02:34	0°♑		
retrograde	-9138 Jul 06 j 20:14	12°♑19'09		
opposition	-9138 Sep 03 j 23:34	7°♑15'59	-2°17'05	
min. Earth dist.	-9138 Sep 03 j 09:01	7°♑20'58	4.14408 AU	
direct	-9138 Nov 02 j 02:15	2°♑13'57		
evening set	-9137 Mar 09 j 22:07	21°♑12'30		
conjunction	-9137 Mar 23 j 15:19	24°♑18'46	-1°20'07	
minimum elong	-9137 Mar 23 j 15:24	24°♑18'49	1°20'39	
max. Earth dist.	-9137 Mar 24 j 06:14	24°♑27'14	6.18454 AU	
morning rise	-9137 Apr 06 j 07:16	27°♑24'18		
	-9137 Apr 17 j 22:32	0°♒		
	-9137 Jul 17 j 17:22	15°♒		
retrograde	-9137 Aug 08 j 22:30	15°♒48'33		
	-9137 Aug 30 j 23:25	15°℞♒		
opposition	-9137 Oct 07 j 00:33	10°♒48'57	-1°30'58	
min. Earth dist.	-9137 Oct 06 j 21:39	10°♒49'55	4.22708 AU	
direct	-9137 Dec 06 j 08:01	5°♒44'59		
	-9136 Feb 28 j 01:24	15°♒		
evening set	-9136 Apr 13 j 00:11	24°♒24'45		

Attention, astronomical year style is used: The year -9136 in astronomical counting style is the year 9137 BCE in historical counting style.

conjunction	-9136 Apr 26 j 13:31	27°♒26'11	-0°37'45
minimum elong	-9136 Apr 26 j 13:35	27°♒26'13	0°38'06
max. Earth dist.	-9136 Apr 26 j 06:39	27°♒22'21	6.26672 AU
	-9136 May 08 j 01:11	0°♓	
morning rise	-9136 May 10 j 00:14	0°♓26'08	
retrograde	-9136 Sep 08 j 21:30	18°♓06'50	
opposition	-9136 Nov 07 j 07:13	13°♓10'59	-0°17'51
min. Earth dist.	-9136 Nov 07 j 17:13	13°♓07'40	4.30082 AU
direct	-9135 Jan 07 j 19:42	8°♓06'51	
asc. node	-9135 Feb 04 j 09:16	9°♓15'19	
evening set	-9135 May 16 j 11:20	26°♓27'37	
conjunction	-9135 May 29 j 16:54	29°♓23'25	0°15'21
minimum elong	-9135 May 29 j 16:53	29°♓23'24	0°15'16
behind sun begin	-9135 May 29 j 14:25	29°♓22'03	
behind sun end	-9135 May 29 j 19:21	29°♓24'46	
max. Earth dist.	-9135 May 28 j 18:43	29°♓11'06	6.32694 AU
	-9135 Jun 01 j 10:46	0°♈	
morning rise	-9135 Jun 11 j 18:47	2°♈17'23	
retrograde	-9135 Oct 10 j 07:57	19°♈34'05	
opposition	-9135 Dec 09 j 07:47	14°♈41'10	0°58'43
min. Earth dist.	-9135 Dec 10 j 02:54	14°♈34'59	4.34342 AU
direct	-9134 Feb 09 j 15:04	9°♈38'36	
evening set	-9134 Jun 17 j 14:53	27°♈46'28	
	-9134 Jun 27 j 15:40	0°♉	
max. Earth dist.	-9134 Jun 29 j 01:42	0°♉18'57	6.34787 AU
conjunction	-9134 Jun 30 j 10:25	0°♉37'10	1°03'07
minimum elong	-9134 Jun 30 j 10:21	0°♉37'07	1°03'21
morning rise	-9134 Jul 13 j 02:59	3°♉26'22	
	-9134 Sep 08 j 19:59	15°♉	
retrograde	-9134 Nov 11 j 01:42	20°♉43'05	
opposition	-9133 Jan 10 j 16:16	15°♉51'28	1°57'43
min. Earth dist.	-9133 Jan 11 j 16:22	15°♉43'46	4.34258 AU
	-9133 Jan 17 j 10:19	15°℞♉	
direct	-9133 Mar 14 j 05:17	10°♉51'31	
	-9133 May 07 j 17:16	15°♉	
evening set	-9133 Jul 18 j 23:01	28°♉54'51	
	-9133 Jul 23 j 19:32	0°♊	
max. Earth dist.	-9133 Jul 30 j 03:27	1°♊25'19	6.32415 AU
conjunction	-9133 Jul 31 j 10:51	1°♊42'59	1°32'34
minimum elong	-9133 Jul 31 j 10:48	1°♊42'58	1°33'01
morning rise	-9133 Aug 12 j 20:41	4°♊30'16	
retrograde	-9133 Dec 13 j 15:07	22°♊09'20	
opposition	-9132 Feb 12 j 19:46	17°♊17'07	2°23'06
min. Earth dist.	-9132 Feb 13 j 16:03	17°♊10'42	4.29860 AU
direct	-9132 Apr 14 j 20:56	12°♊20'17	
	-9132 Aug 16 j 04:03	0°♋	
evening set	-9132 Aug 18 j 04:01	0°♋27'08	
conjunction	-9132 Aug 30 j 13:20	3°♋16'32	1°35'06
minimum elong	-9132 Aug 30 j 13:22	3°♋16'33	1°35'40
max. Earth dist.	-9132 Aug 29 j 14:33	3°♋03'31	6.26275 AU
morning rise	-9132 Sep 11 j 22:40	6°♋06'04	
retrograde	-9131 Jan 15 j 14:28	24°♋24'01	
opposition	-9131 Mar 18 j 00:33	19°♋29'26	2°05'42
min. Earth dist.	-9131 Mar 18 j 12:11	19°♋25'43	4.22365 AU
direct	-9131 May 18 j 02:51	14°♋35'10	
	-9131 Sep 06 j 09:09	0°♌	
evening set	-9131 Sep 18 j 23:52	2°♌52'30	
conjunction	-9131 Oct 01 j 13:24	5°♌47'06	1°08'18
minimum elong	-9131 Oct 01 j 13:29	5°♌47'09	1°08'48
max. Earth dist.	-9131 Oct 01 j 06:49	5°♌43'17	6.18119 AU
morning rise	-9131 Oct 14 j 04:46	8°♌42'48	
	-9131 Nov 11 j 07:22	15°♌	
retrograde	-9130 Feb 19 j 20:19	27°♌46'27	
opposition	-9130 Apr 22 j 04:57	22°♌48'15	1°06'52
min. Earth dist.	-9130 Apr 22 j 02:00	22°♌49'13	4.14087 AU
direct	-9130 Jun 21 j 00:10	17°♌55'22	
	-9130 Sep 23 j 12:38	0°♍	
evening set	-9130 Oct 22 j 04:11	6°♍28'31	
conjunction	-9130 Nov 04 j 02:19	9°♍30'13	0°18'19
minimum elong	-9130 Nov 04 j 02:21	9°♍30'14	0°18'34
max. Earth dist.	-9130 Nov 04 j 15:22	9°♍37'53	6.10545 AU
morning rise	-9130 Nov 17 j 03:39	12°♍33'43	
	-9129 Feb 17 j 08:01	0°♎	
desc. node	-9129 Mar 10 j 23:57	1°♎48'49	
retrograde	-9129 Mar 28 j 03:50	2°♎16'34	
	-9129 May 05 j 21:03	30°℞♍	
opposition	-9129 May 27 j 23:36	27°♍14'31	-0°17'08
min. Earth dist.	-9129 May 27 j 08:23	27°♍19'33	4.07822 AU
direct	-9129 Jul 25 j 17:04	22°♍21'01	
	-9129 Oct 05 j 12:27	0°♎	
evening set	-9129 Nov 26 j 03:04	11°♎12'13	
conjunction	-9129 Dec 09 j 10:20	14°♎19'48	-0°39'11
minimum elong	-9129 Dec 09 j 10:16	14°♎19'46	0°39'15
max. Earth dist.	-9129 Dec 10 j 16:27	14°♎37'32	6.06165 AU
morning rise	-9129 Dec 22 j 21:03	17°♎29'15	
	-9128 Feb 19 j 09:57	0°♏	
retrograde	-9128 May 02 j 13:42	7°♏29'37	
opposition	-9128 Jul 01 j 16:46	2°♏24'59	-1°36'26
min. Earth dist.	-9128 Jun 30 j 18:04	2°♏32'39	4.05858 AU
	-9128 Jul 20 j 09:49	30°℞♎	
direct	-9128 Aug 28 j 19:43	27°♎29'08	
	-9128 Oct 07 j 01:56	0°♏	
	-9128 Dec 24 j 19:51	15°♏	
evening set	-9128 Dec 31 j 14:34	16°♏34'05	
conjunction	-9127 Jan 14 j 04:06	19°♏44'00	-1°22'52
minimum elong	-9127 Jan 14 j 04:01	19°♏43'57	1°23'15
max. Earth dist.	-9127 Jan 15 j 15:28	20°♏04'40	6.06655 AU
morning rise	-9127 Jan 27 j 20:21	22°♏55'12	
	-9127 Feb 28 j 10:19	0°♐	
retrograde	-9127 Jun 07 j 04:59	12°♐42'17	
opposition	-9127 Aug 05 j 17:07	7°♐37'22	-2°20'07
min. Earth dist.	-9127 Aug 04 j 19:36	7°♐44'44	4.08881 AU
direct	-9127 Oct 03 j 01:53	2°♐38'05	
evening set	-9126 Feb 06 j 14:19	21°♐45'04	
conjunction	-9126 Feb 20 j 07:17	24°♐54'00	-1°36'06
minimum elong	-9126 Feb 20 j 07:18	24°♐54'00	1°36'39
max. Earth dist.	-9126 Feb 21 j 12:51	25°♐11'01	6.11850 AU
morning rise	-9126 Mar 06 j 00:47	28°♐03'07	
	-9126 Mar 14 j 14:54	0°♑	
retrograde	-9126 Jul 11 j 13:43	17°♑10'06	
opposition	-9126 Sep 08 j 15:41	12°♑07'25	-2°13'04
min. Earth dist.	-9126 Sep 08 j 02:45	12°♑11'50	4.15735 AU
direct	-9126 Nov 06 j 22:01	7°♑05'04	
evening set	-9125 Mar 14 j 21:34	26°♑00'39	
conjunction	-9125 Mar 28 j 14:22	29°♑06'13	-1°15'28
minimum elong	-9125 Mar 28 j 14:27	29°♑06'16	1°16'00
max. Earth dist.	-9125 Mar 29 j 00:56	29°♑12'12	6.19796 AU
	-9125 Apr 01 j 13:28	0°♒	
morning rise	-9125 Apr 11 j 05:57	2°♒11'00	
	-9125 Jun 13 j 17:57	15°♒	
retrograde	-9125 Aug 13 j 10:01	20°♒28'03	
opposition	-9125 Oct 11 j 13:03	15°♒28'59	-1°21'53
min. Earth dist.	-9125 Oct 11 j 12:15	15°♒29'15	4.23944 AU
	-9125 Oct 15 j 03:15	15°℞♒	

Attention, astronomical year style is used: The year -9125 in astronomical counting style is the year 9126 BCE in historical counting style.

direct	-9125 Dec 11 j 00:49	10°♒24'53		
	-9124 Feb 05 j 15:11	15°♒		
evening set	-9124 Apr 17 j 17:42	29°♒01'39		
	-9124 Apr 22 j 02:52	0°♓		
conjunction	-9124 May 01 j 06:17	2°♓02'20	-0°30'39	
minimum elong	-9124 May 01 j 06:20	2°♓02'22	0°30'58	
max. Earth dist.	-9124 Apr 30 j 21:43	1°♓57'33	6.27732 AU	
morning rise	-9124 May 14 j 15:49	5°♓01'25		
retrograde	-9124 Sep 13 j 06:50	22°♓37'30		
opposition	-9124 Nov 11 j 17:55	17°♓42'12	-0°06'55	
min. Earth dist.	-9124 Nov 12 j 05:27	17°♓38'24	4.30883 AU	
asc. node	-9124 Dec 16 j 03:44	13°♓46'21		
direct	-9123 Jan 12 j 09:18	12°♓38'16		
	-9123 May 16 j 16:18	0°♈		
evening set	-9123 May 21 j 00:12	0°♈57'02		
max. Earth dist.	-9123 Jun 02 j 02:44	3°♈37'52	6.33167 AU	
conjunction	-9123 Jun 03 j 04:20	3°♈52'04	0°22'38	
minimum elong	-9123 Jun 03 j 04:18	3°♈52'03	0°22'35	
morning rise	-9123 Jun 16 j 05:04	6°♈45'21		
retrograde	-9123 Oct 14 j 17:45	24°♈01'01		
opposition	-9123 Dec 13 j 18:58	19°♈08'24	1°08'24	
min. Earth dist.	-9123 Dec 14 j 15:43	19°♈01'42	4.34480 AU	
direct	-9122 Feb 14 j 03:56	14°♈06'08		
	-9122 Jun 11 j 20:53	0°♉		
evening set	-9122 Jun 22 j 00:33	2°♉13'30		
max. Earth dist.	-9122 Jul 03 j 11:00	4°♉45'56	6.34577 AU	
conjunction	-9122 Jul 04 j 19:00	5°♉03'46	1°08'33	
minimum elong	-9122 Jul 04 j 18:55	5°♉03'44	1°08'49	
morning rise	-9122 Jul 17 j 10:16	7°♉52'33		
	-9122 Aug 19 j 21:41	15°♉		
retrograde	-9122 Nov 15 j 12:53	25°♉11'41		
opposition	-9121 Jan 15 j 05:57	20°♉20'10	2°03'34	
min. Earth dist.	-9121 Jan 16 j 05:22	20°♉12'43	4.33743 AU	
direct	-9121 Mar 18 j 17:30	15°♉20'45		
	-9121 Jul 07 j 20:05	0°♊		
evening set	-9121 Jul 23 j 07:51	3°♊24'45		
max. Earth dist.	-9121 Aug 03 j 11:16	5°♊55'04	6.31629 AU	
conjunction	-9121 Aug 04 j 18:49	6°♊12'52	1°34'39	
minimum elong	-9121 Aug 04 j 18:47	6°♊12'51	1°35'08	
morning rise	-9121 Aug 17 j 04:20	9°♊00'18		
retrograde	-9121 Dec 18 j 08:24	26°♊44'28		
opposition	-9120 Feb 17 j 13:27	21°♊52'04	2°23'20	
min. Earth dist.	-9120 Feb 18 j 09:16	21°♊45'47	4.28871 AU	
direct	-9120 Apr 19 j 12:43	16°♊55'40		
	-9120 Jul 30 j 17:52	0°♋		
evening set	-9120 Aug 22 j 14:07	5°♋03'55		
conjunction	-9120 Sep 03 j 23:46	7°♋53'53	1°33'03	
minimum elong	-9120 Sep 03 j 23:48	7°♋53'54	1°33'37	
max. Earth dist.	-9120 Sep 03 j 03:45	7°♋42'25	6.25192 AU	
morning rise	-9120 Sep 16 j 09:30	10°♋44'05		
retrograde	-9119 Jan 20 j 10:06	29°♋08'07		
opposition	-9119 Mar 22 j 21:38	24°♋13'07	1°59'43	
min. Earth dist.	-9119 Mar 23 j 06:24	24°♋10'20	4.21282 AU	
direct	-9119 May 22 j 19:22	19°♋19'13		
	-9119 Aug 20 j 00:26	0°♌		
evening set	-9119 Sep 23 j 13:29	7°♌38'07		
conjunction	-9119 Oct 06 j 03:56	10°♌33'33	1°02'26	
minimum elong	-9119 Oct 06 j 04:01	10°♌33'36	1°02'55	
max. Earth dist.	-9119 Oct 06 j 00:10	10°♌31'22	6.17144 AU	
morning rise	-9119 Oct 18 j 20:31	13°♌30'14		
	-9119 Oct 25 j 08:49	15°♌		
	-9118 Jan 13 j 13:28	0°♍		
retrograde	-9118 Feb 24 j 21:32	2°♍39'15		
	-9118 Apr 08 j 12:04	30°℞♌		
opposition	-9118 Apr 27 j 04:22	27°♌40'28	0°56'04	
min. Earth dist.	-9118 Apr 26 j 23:45	27°♌41'58	4.13277 AU	
direct	-9118 Jun 25 j 20:38	22°♌47'35		
	-9118 Sep 04 j 00:10	0°♍		
evening set	-9118 Oct 26 j 22:20	11°♍22'11		
conjunction	-9118 Nov 08 j 21:47	14°♍24'42	0°10'20	
minimum elong	-9118 Nov 08 j 21:49	14°♍24'43	0°10'32	
behind sun begin	-9118 Nov 08 j 15:27	14°♍21'00		
behind sun end	-9118 Nov 09 j 04:10	14°♍28'26		
max. Earth dist.	-9118 Nov 09 j 14:08	14°♍34'17	6.09985 AU	
morning rise	-9118 Nov 22 j 00:30	17°♍29'03		
desc. node	-9117 Jan 19 j 05:01	29°♍52'22		
	-9117 Jan 19 j 21:58	0°♎		
retrograde	-9117 Apr 02 j 04:40	7°♎14'36		
opposition	-9117 Jun 01 j 22:46	2°♎12'05	-0°29'08	
min. Earth dist.	-9117 Jun 01 j 05:50	2°♎17'42	4.07573 AU	
	-9117 Jun 19 j 03:47	30°℞♍		
direct	-9117 Jul 30 j 12:47	27°♍18'22		
	-9117 Sep 09 j 08:45	0°♎		
evening set	-9117 Dec 01 j 02:05	16°♎10'40		
conjunction	-9117 Dec 14 j 10:13	19°♎18'36	-0°46'29	
minimum elong	-9117 Dec 14 j 10:08	19°♎18'33	0°46'37	
max. Earth dist.	-9117 Dec 15 j 16:29	19°♎36'24	6.06216 AU	
morning rise	-9117 Dec 27 j 21:56	22°♎28'23		
	-9116 Jan 30 j 09:26	0°♏		
retrograde	-9116 May 07 j 11:27	12°♏27'41		
opposition	-9116 Jul 06 j 13:16	7°♏22'49	-1°45'04	
min. Earth dist.	-9116 Jul 05 j 14:25	7°♏30'34	4.06209 AU	
direct	-9116 Sep 02 j 16:43	2°♏26'28		
	-9116 Dec 07 j 16:56	15°♏		
evening set	-9115 Jan 05 j 15:56	21°♏31'43		
conjunction	-9115 Jan 19 j 06:14	24°♏41'37	-1°26'42	
minimum elong	-9115 Jan 19 j 06:10	24°♏41'35	1°27'07	
max. Earth dist.	-9115 Jan 20 j 18:20	25°♏02'40	6.07264 AU	
morning rise	-9115 Feb 01 j 22:41	27°♏52'37		
	-9115 Feb 11 j 04:34	0°♐		
retrograde	-9115 Jun 12 j 00:50	17°♐35'03		
opposition	-9115 Aug 10 j 10:03	12°♐30'20	-2°22'11	
min. Earth dist.	-9115 Aug 09 j 14:02	12°♐37'11	4.09692 AU	
direct	-9115 Oct 07 j 21:11	7°♐30'35		
evening set	-9114 Feb 11 j 14:48	26°♐36'38		
conjunction	-9114 Feb 25 j 07:50	29°♐45'14	-1°35'09	
minimum elong	-9114 Feb 25 j 07:52	29°♐45'15	1°35'43	
max. Earth dist.	-9114 Feb 26 j 09:43	0°♑00'05	6.12772 AU	
	-9114 Feb 26 j 09:34	0°♑		
morning rise	-9114 Mar 11 j 01:28	2°♑53'56		
retrograde	-9114 Jul 16 j 02:45	21°♑54'40		
opposition	-9114 Sep 13 j 05:07	16°♑52'23	-2°08'18	
min. Earth dist.	-9114 Sep 12 j 17:37	16°♑56'19	4.16679 AU	
direct	-9114 Nov 11 j 14:47	11°♑49'39		
	-9113 Mar 16 j 12:30	0°♒		
evening set	-9113 Mar 19 j 18:30	0°♒43'38		
conjunction	-9113 Apr 02 j 11:06	3°♒48'45	-1°10'25	
minimum elong	-9113 Apr 02 j 11:11	3°♒48'48	1°10'56	
max. Earth dist.	-9113 Apr 02 j 19:16	3°♒53'22	6.20716 AU	
morning rise	-9113 Apr 16 j 02:02	6°♒52'54		
	-9113 May 23 j 23:31	15°♒		
retrograde	-9113 Aug 17 j 21:46	25°♒04'24		
opposition	-9113 Oct 16 j 00:23	20°♒05'54	-1°12'26	

Attention, astronomical year style is used: The year -9113 in astronomical counting style is the year 9114 BCE in historical counting style.

min. Earth dist.	-9113 Oct 16 j 01:51	20°♒05'24	4.24747 AU
direct	-9113 Dec 15 j 16:10	15°♒01'44	
	-9112 Apr 05 j 20:57	0°♓	
evening set	-9112 Apr 22 j 10:29	3°♓36'52	
conjunction	-9112 May 05 j 22:10	6°♓36'56	-0°23'24
minimum elong	-9112 May 05 j 22:12	6°♓36'58	0°23'42
max. Earth dist.	-9112 May 05 j 10:21	6°♓30'21	6.28367 AU
morning rise	-9112 May 19 j 06:46	9°♓35'23	
retrograde	-9112 Sep 17 j 15:39	27°♓08'18	
asc. node	-9112 Oct 27 j 01:31	24°♓44'22	
opposition	-9112 Nov 16 j 04:52	22°♓13'24	0°04'02
min. Earth dist.	-9112 Nov 16 j 17:34	22°♓09'13	4.31323 AU
direct	-9111 Jan 16 j 22:48	17°♓09'34	
	-9111 Apr 30 j 02:46	0°♈	
evening set	-9111 May 25 j 13:06	5°♈27'16	
conjunction	-9111 Jun 07 j 16:01	8°♈21'42	0°29'47
minimum elong	-9111 Jun 07 j 15:58	8°♈21'40	0°29'48
max. Earth dist.	-9111 Jun 06 j 14:13	8°♈07'21	6.33390 AU
morning rise	-9111 Jun 20 j 15:20	11°♈14'20	
retrograde	-9111 Oct 19 j 04:03	28°♈29'42	
opposition	-9111 Dec 18 j 07:22	23°♈37'21	1°17'43
min. Earth dist.	-9111 Dec 19 j 04:31	23°♈30'32	4.34489 AU
direct	-9110 Feb 18 j 17:45	18°♈35'28	
	-9110 May 25 j 23:52	0°♉	
evening set	-9110 Jun 26 j 10:51	6°♉42'14	
max. Earth dist.	-9110 Jul 07 j 18:43	9°♉13'30	6.34347 AU
conjunction	-9110 Jul 09 j 03:55	9°♉32'01	1°13'38
minimum elong	-9110 Jul 09 j 03:50	9°♉31'58	1°13'56
morning rise	-9110 Jul 21 j 18:15	12°♉20'27	
	-9110 Aug 02 j 20:39	15°♉	
retrograde	-9110 Nov 20 j 01:58	29°♉41'56	
opposition	-9109 Jan 19 j 20:51	24°♉50'21	2°08'43
min. Earth dist.	-9109 Jan 20 j 20:01	24°♉42'59	4.33312 AU
direct	-9109 Mar 23 j 07:56	19°♉51'18	
	-9109 Jun 20 j 13:17	0°♊	
evening set	-9109 Jul 27 j 16:54	7°♊55'14	
max. Earth dist.	-9109 Aug 07 j 22:32	10°♊27'00	6.31020 AU
conjunction	-9109 Aug 09 j 03:26	10°♊43'19	1°36'11
minimum elong	-9109 Aug 09 j 03:24	10°♊43'18	1°36'43
morning rise	-9109 Aug 21 j 12:23	13°♊30'48	
	-9109 Nov 23 j 12:38	0°♋	
retrograde	-9109 Dec 22 j 23:51	1°♋19'10	
	-9108 Jan 21 j 15:58	30°℞♊	
opposition	-9108 Feb 22 j 07:08	26°♊26'30	2°22'40
min. Earth dist.	-9108 Feb 23 j 01:17	26°♊20'45	4.28118 AU
direct	-9108 Apr 24 j 03:37	21°♊30'31	
	-9108 Jul 12 j 14:47	0°♋	
evening set	-9108 Aug 26 j 23:56	9°♋39'09	
conjunction	-9108 Sep 08 j 09:42	12°♋29'33	1°30'27
minimum elong	-9108 Sep 08 j 09:45	12°♋29'35	1°31'00
max. Earth dist.	-9108 Sep 07 j 14:47	12°♋18'42	6.24335 AU
morning rise	-9108 Sep 20 j 20:07	15°♋20'23	
	-9108 Dec 04 j 19:41	0°♌	
retrograde	-9107 Jan 25 j 06:55	3°♌49'48	
	-9107 Mar 19 j 02:50	30°℞♋	
opposition	-9107 Mar 27 j 18:11	28°♋54'18	1°52'59
min. Earth dist.	-9107 Mar 28 j 01:27	28°♋51'59	4.20349 AU
direct	-9107 May 27 j 12:35	24°♋00'35	
	-9107 Jul 30 j 19:56	0°♌	
evening set	-9107 Sep 28 j 02:05	12°♌20'39	
	-9107 Oct 09 j 12:34	15°♌	

conjunction	-9107 Oct 10 j 17:42	15°♌16'58	0°56'12
minimum elong	-9107 Oct 10 j 17:47	15°♌17'00	0°56'38
max. Earth dist.	-9107 Oct 10 j 17:21	15°♌16'45	6.16231 AU
morning rise	-9107 Oct 23 j 11:27	18°♌14'35	
	-9107 Dec 17 j 22:18	0°♍	
retrograde	-9106 Mar 01 j 20:50	7°♍28'46	
opposition	-9106 May 02 j 02:32	2°♍29'30	0°44'58
min. Earth dist.	-9106 May 01 j 20:10	2°♍31'34	4.12452 AU
	-9106 May 22 j 05:06	30°℞♌	
direct	-9106 Jun 30 j 14:20	27°♌36'39	
	-9106 Aug 08 j 08:44	0°♍	
evening set	-9106 Oct 31 j 16:17	16°♍13'14	
conjunction	-9106 Nov 13 j 16:51	19°♍16'34	0°02'19
minimum elong	-9106 Nov 13 j 16:51	19°♍16'34	0°02'30
behind sun begin	-9106 Nov 13 j 08:42	19°♍11'48	
behind sun end	-9106 Nov 14 j 01:00	19°♍21'20	
max. Earth dist.	-9106 Nov 14 j 10:12	19°♍26'45	6.09315 AU
morning rise	-9106 Nov 26 j 21:00	22°♍21'49	
desc. node	-9106 Nov 29 j 09:10	22°♍56'50	
	-9106 Dec 30 j 22:01	0°♎	
retrograde	-9105 Apr 07 j 04:04	12°♎10'41	
opposition	-9105 Jun 06 j 20:55	7°♎07'43	-0°40'54
min. Earth dist.	-9105 Jun 06 j 02:45	7°♎13'46	4.07120 AU
direct	-9105 Aug 04 j 08:43	2°♎13'42	
evening set	-9105 Dec 06 j 01:15	21°♎08'19	
conjunction	-9105 Dec 19 j 10:34	24°♎16'48	-0°53'27
minimum elong	-9105 Dec 19 j 10:29	24°♎16'45	0°53'38
max. Earth dist.	-9105 Dec 20 j 19:16	24°♎36'01	6.06019 AU
morning rise	-9104 Jan 01 j 23:04	27°♎27'00	
	-9104 Jan 12 j 23:52	0°♏	
	-9104 Apr 02 j 18:02	15°♏	
retrograde	-9104 May 12 j 11:54	17°♏26'12	
	-9104 Jun 20 j 21:21	15°℞♏	
min. Earth dist.	-9104 Jul 10 j 11:53	12°♏28'48	4.06303 AU
opposition	-9104 Jul 11 j 10:07	12°♏21'16	-1°52'59
direct	-9104 Sep 07 j 13:40	7°♏24'29	
	-9104 Nov 18 j 03:37	15°♏	
evening set	-9103 Jan 10 j 18:29	26°♏31'12	
conjunction	-9103 Jan 24 j 09:13	29°♏41'09	-1°29'56
minimum elong	-9103 Jan 24 j 09:09	29°♏41'06	1°30'23
	-9103 Jan 25 j 17:36	0°♐	
max. Earth dist.	-9103 Jan 25 j 19:15	0°♐00'57	6.07604 AU
morning rise	-9103 Feb 07 j 02:13	2°♐52'08	
retrograde	-9103 Jun 16 j 19:38	22°♐30'55	
min. Earth dist.	-9103 Aug 14 j 08:21	17°♐33'10	4.10254 AU
opposition	-9103 Aug 15 j 04:05	17°♐26'25	-2°23'18
direct	-9103 Oct 12 j 16:44	12°♐26'11	
	-9102 Feb 09 j 22:14	0°♑	
evening set	-9102 Feb 16 j 17:01	1°♑32'17	
conjunction	-9102 Mar 02 j 10:21	4°♑40'40	-1°33'32
minimum elong	-9102 Mar 02 j 10:23	4°♑40'42	1°34'05
max. Earth dist.	-9102 Mar 03 j 10:25	4°♑54'29	6.13514 AU
morning rise	-9102 Mar 16 j 03:46	7°♑48'59	
retrograde	-9102 Jul 20 j 19:55	26°♑44'03	
opposition	-9102 Sep 17 j 20:32	21°♑42'17	-2°02'36
min. Earth dist.	-9102 Sep 17 j 11:22	21°♑45'24	4.17505 AU
direct	-9102 Nov 16 j 10:04	16°♑39'17	
	-9101 Feb 27 j 10:12	0°♒	
evening set	-9101 Mar 24 j 17:27	5°♒31'57	
conjunction	-9101 Apr 07 j 09:44	8°♒36'38	-1°04'48
minimum elong	-9101 Apr 07 j 09:50	8°♒36'41	1°05'17
max. Earth dist.	-9101 Apr 07 j 15:23	8°♒39'49	6.21573 AU

Attention, astronomical year style is used: The year -9101 in astronomical counting style is the year 9102 BCE in historical counting style.

morning rise	-9101 Apr 21 j 00:07	11°♒40'13	
	-9101 May 06 j 01:38	15°♒	
retrograde	-9101 Aug 22 j 09:18	29°♒46'23	
opposition	-9101 Oct 20 j 13:57	24°♒48'26	-1°02'22
min. Earth dist.	-9101 Oct 20 j 16:07	24°♒47'42	4.25566 AU
direct	-9101 Dec 20 j 08:40	19°♒44'15	
	-9100 Mar 18 j 20:50	0°♓	
evening set	-9100 Apr 27 j 04:54	8°♓17'30	
conjunction	-9100 May 10 j 15:31	11°♓16'52	-0°15'54
minimum elong	-9100 May 10 j 15:33	11°♓16'53	0°16'09
max. Earth dist.	-9100 May 10 j 01:54	11°♓09'17	6.29123 AU
morning rise	-9100 May 23 j 23:00	14°♓14'33	
	-9100 Aug 20 j 00:13	0°♈	
asc. node	-9100 Sep 05 j 19:01	1°♈18'01	
retrograde	-9100 Sep 22 j 03:40	1°♈44'04	
	-9100 Oct 25 j 08:04	30°℞♓	
opposition	-9100 Nov 20 j 18:02	26°♓49'38	0°15'08
min. Earth dist.	-9100 Nov 21 j 08:14	26°♓44'59	4.31964 AU
direct	-9099 Jan 21 j 15:46	21°♓46'05	
	-9099 Apr 11 j 05:46	0°♈	
evening set	-9099 May 30 j 03:06	10°♈01'41	
max. Earth dist.	-9099 Jun 11 j 01:40	12°♈40'22	6.33872 AU
conjunction	-9099 Jun 12 j 04:37	12°♈55'20	0°36'51
minimum elong	-9099 Jun 12 j 04:34	12°♈55'18	0°36'55
morning rise	-9099 Jun 25 j 02:36	15°♈47'12	
	-9099 Sep 08 j 22:17	0°♉	
retrograde	-9099 Oct 23 j 14:22	3°♉01'31	
	-9099 Dec 08 j 03:21	30°℞♈	
opposition	-9099 Dec 22 j 20:54	28°♈09'20	1°26'38
min. Earth dist.	-9099 Dec 23 j 17:48	28°♈02'37	4.34809 AU
direct	-9098 Feb 23 j 08:14	23°♈07'49	
	-9098 May 06 j 09:35	0°♉	
evening set	-9098 Jun 30 j 21:13	11°♉12'43	
max. Earth dist.	-9098 Jul 12 j 05:22	13°♉44'11	6.34477 AU
conjunction	-9098 Jul 13 j 13:05	14°♉01'54	1°18'15
minimum elong	-9098 Jul 13 j 13:00	14°♉01'52	1°18'36
	-9098 Jul 17 j 21:04	15°♉	
morning rise	-9098 Jul 26 j 02:11	16°♉49'47	
	-9098 Oct 01 j 21:16	0°♊	
retrograde	-9098 Nov 24 j 14:13	4°♊12'31	
	-9097 Jan 19 j 08:08	30°℞♉	
opposition	-9097 Jan 24 j 11:47	29°♉20'53	2°13'01
min. Earth dist.	-9097 Jan 25 j 10:39	29°♉13'38	4.33240 AU
direct	-9097 Mar 27 j 22:45	24°♉22'17	
	-9097 May 31 j 00:54	0°♊	
evening set	-9097 Aug 01 j 01:01	12°♊24'45	
max. Earth dist.	-9097 Aug 12 j 05:50	14°♊56'16	6.30729 AU
conjunction	-9097 Aug 13 j 10:50	15°♊12'40	1°37'07
minimum elong	-9097 Aug 13 j 10:49	15°♊12'40	1°37'38
morning rise	-9097 Aug 25 j 19:40	18°♊00'10	
	-9097 Oct 23 j 23:59	0°♋	
retrograde	-9097 Dec 27 j 14:57	5°♋51'52	
opposition	-9096 Feb 26 j 23:52	0°♋58'50	2°21'03
min. Earth dist.	-9096 Feb 27 j 16:46	0°♋53'29	4.27612 AU
	-9096 Mar 05 j 18:37	30°℞♊	
direct	-9096 Apr 28 j 17:41	26°♊03'08	
	-9096 Jun 19 j 23:08	0°♋	
evening set	-9096 Aug 31 j 08:06	14°♋11'20	
conjunction	-9096 Sep 12 j 18:25	17°♋02'12	1°27'17
minimum elong	-9096 Sep 12 j 18:28	17°♋02'14	1°27'51
max. Earth dist.	-9096 Sep 12 j 02:34	16°♋53'06	6.23669 AU
morning rise	-9096 Sep 25 j 05:17	19°♋53'33	
	-9096 Nov 11 j 16:14	0°♌	
retrograde	-9095 Jan 30 j 01:28	8°♌27'37	
opposition	-9095 Apr 01 j 12:40	3°♌31'40	1°45'35
min. Earth dist.	-9095 Apr 01 j 18:51	3°♌29'42	4.19546 AU
	-9095 May 02 j 09:24	30°℞♋	
direct	-9095 Jun 01 j 03:28	28°♋38'09	
	-9095 Jun 30 j 15:11	0°♌	
	-9095 Sep 23 j 21:58	15°♌	
evening set	-9095 Oct 02 j 13:23	16°♌59'11	
conjunction	-9095 Oct 15 j 05:54	19°♌56'18	0°49'41
minimum elong	-9095 Oct 15 j 05:59	19°♌56'21	0°50'06
max. Earth dist.	-9095 Oct 15 j 06:06	19°♌56'25	6.15367 AU
morning rise	-9095 Oct 28 j 01:05	22°♌54'54	
	-9095 Nov 28 j 18:34	0°♍	
retrograde	-9094 Mar 06 j 17:34	12°♍14'08	
opposition	-9094 May 06 j 22:29	7°♍14'17	0°33'44
min. Earth dist.	-9094 May 06 j 14:25	7°♍16'55	4.11577 AU
direct	-9094 Jul 05 j 06:20	2°♍21'20	
desc. node	-9094 Oct 10 j 13:02	15°♍07'48	
evening set	-9094 Nov 05 j 08:43	21°♍00'25	
conjunction	-9094 Nov 18 j 10:45	24°♍04'41	-0°05'42
minimum elong	-9094 Nov 18 j 10:44	24°♍04'41	0°05'34
behind sun begin	-9094 Nov 18 j 02:52	24°♍00'04	
behind sun end	-9094 Nov 18 j 18:36	24°♍09'17	
max. Earth dist.	-9094 Nov 19 j 07:06	24°♍16'39	6.08528 AU
morning rise	-9094 Dec 01 j 16:04	27°♍10'50	
	-9094 Dec 13 j 20:58	0°♎	
retrograde	-9093 Apr 12 j 04:25	17°♎03'24	
opposition	-9093 Jun 11 j 17:39	12°♎00'05	-0°52'12
min. Earth dist.	-9093 Jun 10 j 23:31	12°♎06'09	4.06504 AU
direct	-9093 Aug 09 j 03:26	7°♎05'48	
evening set	-9093 Dec 11 j 00:02	26°♎03'35	
conjunction	-9093 Dec 24 j 10:11	29°♎12'37	-0°59'56
minimum elong	-9093 Dec 24 j 10:06	29°♎12'34	1°00'09
max. Earth dist.	-9093 Dec 25 j 18:11	29°♎31'25	6.05617 AU
	-9093 Dec 27 j 18:50	0°♏	
morning rise	-9092 Jan 06 j 23:45	2°♏23'23	
	-9092 Mar 06 j 02:38	15°♏	
retrograde	-9092 May 17 j 09:34	22°♏23'05	
min. Earth dist.	-9092 Jul 15 j 06:52	17°♏25'53	4.06189 AU
opposition	-9092 Jul 16 j 05:52	17°♏18'03	-2°00'00
	-9092 Aug 02 j 20:48	15°℞♏	
direct	-9092 Sep 12 j 08:29	12°♏20'49	
	-9092 Oct 22 j 18:50	15°♏	
	-9091 Jan 09 j 09:03	0°♐	
evening set	-9091 Jan 15 j 21:11	1°♐29'54	
conjunction	-9091 Jan 29 j 12:38	4°♐40'02	-1°32'27
minimum elong	-9091 Jan 29 j 12:35	4°♐40'01	1°32'56
max. Earth dist.	-9091 Jan 30 j 22:32	4°♐59'45	6.07795 AU
morning rise	-9091 Feb 12 j 05:53	7°♐51'02	
retrograde	-9091 Jun 21 j 16:29	27°♐26'29	
opposition	-9091 Aug 19 j 22:10	22°♐22'14	-2°23'19
min. Earth dist.	-9091 Aug 19 j 04:11	22°♐28'24	4.10731 AU
direct	-9091 Oct 17 j 13:41	17°♐21'34	
	-9090 Jan 23 j 13:58	0°♑	
evening set	-9090 Feb 21 j 19:27	6°♑27'46	
conjunction	-9090 Mar 07 j 12:59	9°♑35'57	-1°31'12
minimum elong	-9090 Mar 07 j 13:03	9°♑35'59	1°31'46
max. Earth dist.	-9090 Mar 08 j 11:45	9°♑48'58	6.14245 AU
morning rise	-9090 Mar 21 j 06:20	12°♑43'54	
	-9090 Jun 24 j 11:48	0°♒	
retrograde	-9090 Jul 25 j 10:38	1°♒33'01	

Attention, astronomical year style is used: The year -9090 in astronomical counting style is the year 9091 BCE in historical counting style.

	-9090 Aug 25 j 04:15	30°℞♑	
opposition	-9090 Sep 22 j 12:02	26°♑31'42	-1°56'01
min. Earth dist.	-9090 Sep 22 j 03:07	26°♑34'44	4.18419 AU
direct	-9090 Nov 21 j 04:20	21°♑28'27	
	-9089 Feb 08 j 09:04	0°♒	
evening set	-9089 Mar 29 j 16:09	10°♒19'08	
conjunction	-9089 Apr 12 j 07:52	13°♒23'10	-0°58'44
minimum elong	-9089 Apr 12 j 07:57	13°♒23'13	0°59'10
max. Earth dist.	-9089 Apr 12 j 10:32	13°♒24'41	6.22609 AU
	-9089 Apr 19 j 12:00	15°♒	
morning rise	-9089 Apr 25 j 21:36	16°♒26'03	
	-9089 Jul 03 j 18:19	0°♓	
retrograde	-9089 Aug 26 j 22:29	4°♓26'14	
	-9089 Oct 21 j 05:28	30°℞♒	
opposition	-9089 Oct 25 j 03:16	29°♒28'45	-0°51'53
min. Earth dist.	-9089 Oct 25 j 07:42	29°♒27'16	4.26600 AU
direct	-9089 Dec 25 j 03:16	24°♒24'31	
	-9088 Feb 26 j 14:43	0°♓	
evening set	-9088 May 01 j 22:06	12°♓54'50	
conjunction	-9088 May 15 j 07:45	15°♓53'23	-0°08'20
minimum elong	-9088 May 15 j 07:45	15°♓53'23	0°08'32
behind sun begin	-9088 May 15 j 00:38	15°♓49'26	
behind sun end	-9088 May 15 j 14:52	15°♓57'20	
max. Earth dist.	-9088 May 14 j 16:51	15°♓45'06	6.30060 AU
morning rise	-9088 May 28 j 13:53	18°♓50'09	
asc. node	-9088 Jul 16 j 03:40	28°♓50'23	
	-9088 Jul 22 j 17:40	0°♈	
retrograde	-9088 Sep 26 j 12:17	6°♈15'44	
opposition	-9088 Nov 25 j 05:52	1°♈21'39	0°26'02
min. Earth dist.	-9088 Nov 25 j 20:23	1°♈16'54	4.32722 AU
	-9088 Dec 05 j 19:03	30°℞♓	
direct	-9087 Jan 26 j 05:40	26°♓18'16	
	-9087 Mar 18 j 13:01	0°♈	
evening set	-9087 Jun 03 j 15:18	14°♈31'27	
max. Earth dist.	-9087 Jun 15 j 10:53	17°♈08'29	6.34362 AU
conjunction	-9087 Jun 16 j 15:18	17°♈24'16	0°43'38
minimum elong	-9087 Jun 16 j 15:14	17°♈24'14	0°43'44
morning rise	-9087 Jun 29 j 11:57	20°♈15'22	
	-9087 Aug 15 j 20:17	0°♉	
retrograde	-9087 Oct 28 j 01:22	7°♉29'02	
opposition	-9087 Dec 27 j 09:23	2°♉37'03	1°34'59
min. Earth dist.	-9087 Dec 28 j 07:47	2°♉29'52	4.34987 AU
	-9086 Jan 17 j 21:28	30°℞♈	
direct	-9086 Feb 27 j 22:43	27°♈35'53	
	-9086 Apr 09 j 21:02	0°♉	
	-9086 Jul 02 j 06:27	15°♉	
evening set	-9086 Jul 05 j 05:57	15°♉39'34	
conjunction	-9086 Jul 17 j 20:43	18°♉28'19	1°22'26
minimum elong	-9086 Jul 17 j 20:38	18°♉28'16	1°22'49
max. Earth dist.	-9086 Jul 16 j 12:12	18°♉10'08	6.34292 AU
morning rise	-9086 Jul 30 j 08:55	21°♉15'52	
	-9086 Sep 09 j 23:46	0°♊	
retrograde	-9086 Nov 29 j 02:14	8°♊41'18	
opposition	-9085 Jan 29 j 02:14	3°♊49'35	2°16'38
min. Earth dist.	-9085 Jan 30 j 00:19	3°♊42'35	4.32724 AU
	-9085 Mar 04 j 16:14	30°℞♉	
direct	-9085 Apr 01 j 10:52	28°♉51'22	
	-9085 Apr 29 j 05:46	0°♊	
evening set	-9085 Aug 05 j 09:05	16°♊54'12	
conjunction	-9085 Aug 17 j 18:38	19°♊42'17	1°37'31
minimum elong	-9085 Aug 17 j 18:37	19°♊42'16	1°38'03
max. Earth dist.	-9085 Aug 16 j 15:42	19°♊27'01	6.29913 AU
morning rise	-9085 Aug 30 j 03:12	22°♊30'01	
	-9085 Oct 03 j 21:24	0°♋	
retrograde	-9084 Jan 01 j 08:49	10°♋27'04	
opposition	-9084 Mar 02 j 17:42	5°♋33'47	2°18'41
min. Earth dist.	-9084 Mar 03 j 10:17	5°♋28'32	4.26543 AU
direct	-9084 May 03 j 08:43	0°♋38'28	
evening set	-9084 Sep 04 j 18:15	18°♋48'24	
conjunction	-9084 Sep 17 j 05:01	21°♋40'00	1°23'34
minimum elong	-9084 Sep 17 j 05:05	21°♋40'03	1°24'08
max. Earth dist.	-9084 Sep 16 j 13:41	21°♋31'10	6.22431 AU
morning rise	-9084 Sep 29 j 16:56	24°♋32'18	
	-9084 Oct 24 j 04:29	0°♌	
retrograde	-9083 Feb 03 j 23:01	13°♌13'17	
opposition	-9083 Apr 06 j 10:12	8°♌16'49	1°37'23
min. Earth dist.	-9083 Apr 06 j 14:01	8°♌15'36	4.18221 AU
direct	-9083 Jun 05 j 19:37	3°♌23'29	
	-9083 Sep 06 j 20:38	15°♌	
evening set	-9083 Oct 07 j 04:17	21°♌47'27	
conjunction	-9083 Oct 19 j 22:13	24°♌45'43	0°42'39
minimum elong	-9083 Oct 19 j 22:17	24°♌45'45	0°43'02
max. Earth dist.	-9083 Oct 20 j 02:23	24°♌48'09	6.14094 AU
morning rise	-9083 Nov 01 j 18:39	27°♌45'30	
	-9083 Nov 11 j 12:28	0°♍	
retrograde	-9082 Mar 11 j 20:45	17°♍11'13	
opposition	-9082 May 11 j 22:57	12°♍10'55	0°21'50
min. Earth dist.	-9082 May 11 j 13:58	12°♍13'51	4.10466 AU
direct	-9082 Jul 10 j 03:36	7°♍17'57	
desc. node	-9082 Aug 20 j 02:44	9°♍58'51	
evening set	-9082 Nov 10 j 06:41	26°♍00'31	
conjunction	-9082 Nov 23 j 09:53	29°♍05'43	-0°13'52
minimum elong	-9082 Nov 23 j 09:51	29°♍05'42	0°13'47
behind sun begin	-9082 Nov 23 j 05:30	29°♍03'09	
behind sun end	-9082 Nov 23 j 14:12	29°♍08'14	
max. Earth dist.	-9082 Nov 24 j 07:31	29°♍18'26	6.07690 AU
	-9082 Nov 27 j 06:09	0°♎	
morning rise	-9082 Dec 06 j 16:45	2°♎12'52	
retrograde	-9081 Apr 17 j 07:05	22°♎08'50	
opposition	-9081 Jun 16 j 18:35	17°♎05'13	-1°03'36
min. Earth dist.	-9081 Jun 15 j 22:10	17°♎12'03	4.06070 AU
direct	-9081 Aug 14 j 01:29	12°♎10'39	
	-9081 Dec 11 j 01:49	0°♏	
evening set	-9081 Dec 16 j 03:49	1°♏10'57	
conjunction	-9081 Dec 29 j 15:00	4°♏20'23	-1°06'14
minimum elong	-9081 Dec 29 j 14:54	4°♏20'20	1°06'29
max. Earth dist.	-9081 Dec 31 j 01:30	4°♏40'39	6.05645 AU
morning rise	-9080 Jan 12 j 05:13	7°♏31'25	
	-9080 Feb 14 j 11:56	15°♏	
retrograde	-9080 May 22 j 11:36	27°♏29'20	
min. Earth dist.	-9080 Jul 20 j 06:31	22°♏31'55	4.06718 AU
opposition	-9080 Jul 21 j 05:00	22°♏24'15	-2°06'18
direct	-9080 Sep 17 j 09:09	17°♏26'35	
	-9080 Dec 22 j 17:31	0°♐	
evening set	-9079 Jan 21 j 02:28	6°♐35'14	
conjunction	-9079 Feb 03 j 18:20	9°♐45'06	-1°34'22
minimum elong	-9079 Feb 03 j 18:18	9°♐45'05	1°34'52
max. Earth dist.	-9079 Feb 05 j 04:34	10°♐04'57	6.08777 AU
morning rise	-9079 Feb 17 j 11:46	12°♐55'40	
	-9079 May 18 j 10:25	0°♑	
retrograde	-9079 Jun 26 j 10:49	2°♑24'07	
	-9079 Aug 04 j 03:54	30°℞♐	
opposition	-9079 Aug 24 j 16:37	27°♐20'09	-2°22'17
min. Earth dist.	-9079 Aug 23 j 22:27	27°♐26'22	4.12088 AU

Attention, astronomical year style is used: The year -9079 in astronomical counting style is the year 9080 BCE in historical counting style.

direct	-9079 Oct 22 j 10:18	22°♐19'05	
	-9078 Jan 03 j 20:20	0°♑	
evening set	-9078 Feb 26 j 21:10	11°♑21'51	
conjunction	-9078 Mar 12 j 14:28	14°♑29'16	-1°28'17
minimum elong	-9078 Mar 12 j 14:32	14°♑29'18	1°28'51
max. Earth dist.	-9078 Mar 13 j 10:00	14°♑40'24	6.15855 AU
morning rise	-9078 Mar 26 j 07:31	17°♑36'20	
	-9078 May 25 j 13:06	0°♒	
retrograde	-9078 Jul 29 j 23:45	6°♒16'26	
opposition	-9078 Sep 27 j 01:15	1°♒15'34	-1°48'47
min. Earth dist.	-9078 Sep 26 j 18:52	1°♒17'44	4.20102 AU
	-9078 Oct 06 j 10:29	30°℞♑	
direct	-9078 Nov 25 j 23:47	26°♑12'00	
	-9077 Jan 15 j 15:29	0°♒	
evening set	-9077 Apr 03 j 10:51	14°♒57'54	
	-9077 Apr 03 j 14:38	15°♒	
conjunction	-9077 Apr 17 j 02:04	18°♒01'01	-0°52'29
minimum elong	-9077 Apr 17 j 02:08	18°♒01'04	0°52'55
max. Earth dist.	-9077 Apr 17 j 02:58	18°♒01'32	6.24240 AU
morning rise	-9077 Apr 30 j 14:46	21°♒02'48	
	-9077 Jun 12 j 01:57	0°♓	
retrograde	-9077 Aug 31 j 05:02	8°♓55'26	
opposition	-9077 Oct 29 j 12:18	3°♓58'27	-0°41'32
min. Earth dist.	-9077 Oct 29 j 17:52	3°♓56'35	4.28027 AU
	-9077 Dec 03 j 02:50	30°℞♒	
direct	-9077 Dec 29 j 15:46	28°♒54'12	
	-9076 Jan 25 j 13:36	0°♓	
evening set	-9076 May 06 j 10:02	17°♓20'25	
conjunction	-9076 May 19 j 18:18	20°♓17'59	-0°01'02
minimum elong	-9076 May 19 j 18:18	20°♓17'59	0°01'12
behind sun begin	-9076 May 19 j 10:08	20°♓13'28	
behind sun end	-9076 May 20 j 02:29	20°♓22'30	
max. Earth dist.	-9076 May 18 j 23:12	20°♓07'22	6.31163 AU
asc. node	-9076 May 27 j 06:03	21°♓57'50	
morning rise	-9076 Jun 01 j 23:21	23°♓13'49	
	-9076 Jul 03 j 18:15	0°♈	
retrograde	-9076 Sep 30 j 18:55	10°♈35'36	
opposition	-9076 Nov 29 j 13:24	5°♈41'54	0°36'17
min. Earth dist.	-9076 Nov 30 j 06:48	5°♈36'13	4.33416 AU
direct	-9075 Jan 30 j 17:01	0°♈38'39	
evening set	-9075 Jun 07 j 22:22	18°♈49'47	
conjunction	-9075 Jun 20 j 21:12	21°♈41'57	0°49'52
minimum elong	-9075 Jun 20 j 21:07	21°♈41'55	0°50'00
max. Earth dist.	-9075 Jun 19 j 15:24	21°♈25'24	6.34574 AU
morning rise	-9075 Jul 03 j 16:29	24°♈32'26	
	-9075 Jul 29 j 01:42	0°♉	
retrograde	-9075 Nov 01 j 06:57	11°♉46'40	
opposition	-9075 Dec 31 j 17:47	6°♉54'50	1°42'29
min. Earth dist.	-9074 Jan 01 j 16:25	6°♉47'35	4.34730 AU
direct	-9074 Mar 04 j 06:07	1°♉53'58	
	-9074 Jun 16 j 13:26	15°♉	
evening set	-9074 Jul 09 j 11:21	19°♉58'05	
max. Earth dist.	-9074 Jul 20 j 15:54	22°♉28'04	6.33567 AU
conjunction	-9074 Jul 22 j 01:06	22°♉46'40	1°25'59
minimum elong	-9074 Jul 22 j 01:02	22°♉46'38	1°26'24
morning rise	-9074 Aug 03 j 12:34	25°♉34'11	
	-9074 Aug 23 j 19:10	0°♊	
retrograde	-9074 Dec 03 j 14:42	13°♊04'16	
opposition	-9073 Feb 02 j 14:39	8°♊12'29	2°19'23
min. Earth dist.	-9073 Feb 03 j 13:43	8°♊05'10	4.31583 AU
direct	-9073 Apr 05 j 21:59	3°♊14'39	
evening set	-9073 Aug 09 j 15:32	21°♊19'54	
max. Earth dist.	-9073 Aug 20 j 22:12	23°♊53'17	6.28439 AU
conjunction	-9073 Aug 22 j 00:59	24°♊08'30	1°37'17
minimum elong	-9073 Aug 22 j 00:59	24°♊08'31	1°37'50
morning rise	-9073 Sep 03 j 09:48	26°♊56'55	
	-9073 Sep 17 j 01:36	0°♋	
retrograde	-9072 Jan 06 j 01:40	15°♋01'37	
opposition	-9072 Mar 07 j 11:25	10°♋07'57	2°15'28
min. Earth dist.	-9072 Mar 08 j 01:43	10°♋03'24	4.24846 AU
direct	-9072 May 07 j 21:03	5°♋12'59	
evening set	-9072 Sep 09 j 05:04	23°♋26'43	
conjunction	-9072 Sep 21 j 16:43	26°♋19'24	1°19'15
minimum elong	-9072 Sep 21 j 16:47	26°♋19'26	1°19'47
max. Earth dist.	-9072 Sep 21 j 04:55	26°♋12'35	6.20674 AU
morning rise	-9072 Oct 04 j 05:32	29°♋12'53	
	-9072 Oct 07 j 15:51	0°♌	
	-9072 Dec 25 j 11:10	15°♌	
retrograde	-9071 Feb 09 j 00:22	18°♌02'24	
	-9071 Mar 27 j 03:11	15°℞♌	
opposition	-9071 Apr 11 j 09:19	13°♌05'27	1°28'22
min. Earth dist.	-9071 Apr 11 j 11:50	13°♌04'38	4.16525 AU
direct	-9071 Jun 10 j 14:59	8°♌12'18	
	-9071 Aug 18 j 00:01	15°♌	
evening set	-9071 Oct 11 j 21:48	26°♌40'23	
conjunction	-9071 Oct 24 j 16:58	29°♌39'52	0°35'10
minimum elong	-9071 Oct 24 j 17:02	29°♌39'54	0°35'31
max. Earth dist.	-9071 Oct 24 j 23:26	29°♌43'39	6.12625 AU
	-9071 Oct 26 j 03:21	0°♍	
morning rise	-9071 Nov 06 j 15:07	2°♍41'00	
retrograde	-9070 Mar 16 j 23:58	22°♍13'20	
opposition	-9070 May 17 j 01:12	17°♍12'27	0°09'30
min. Earth dist.	-9070 May 16 j 12:49	17°♍16'32	4.09361 AU
desc. node	-9070 Jun 29 j 07:12	12°♍44'17	
direct	-9070 Jul 15 j 00:55	12°♍19'24	
	-9070 Nov 10 j 15:15	0°♎	
evening set	-9070 Nov 15 j 07:06	1°♎05'13	
conjunction	-9070 Nov 28 j 11:40	4°♎11'17	-0°22'06
minimum elong	-9070 Nov 28 j 11:37	4°♎11'15	0°22'05
max. Earth dist.	-9070 Nov 29 j 13:12	4°♎26'19	6.07034 AU
morning rise	-9070 Dec 11 j 19:42	7°♎19'15	
retrograde	-9069 Apr 22 j 12:50	27°♎17'22	
opposition	-9069 Jun 21 j 20:54	22°♎13'19	-1°14'40
min. Earth dist.	-9069 Jun 20 j 23:59	22°♎20'21	4.05913 AU
direct	-9069 Aug 19 j 03:16	17°♎18'22	
	-9069 Nov 23 j 11:09	0°♏	
evening set	-9069 Dec 21 j 09:01	6°♏20'00	
conjunction	-9068 Jan 03 j 20:59	9°♏29'36	-1°12'06
minimum elong	-9068 Jan 03 j 20:54	9°♏29'33	1°12'24
max. Earth dist.	-9068 Jan 05 j 08:58	9°♏50'42	6.05949 AU
morning rise	-9068 Jan 17 j 11:54	12°♏40'42	
	-9068 Jan 27 j 13:18	15°♏	
	-9068 Apr 16 j 15:35	0°♐	
retrograde	-9068 May 27 j 11:38	2°♐35'16	
	-9068 Jul 07 j 00:13	30°℞♏	
min. Earth dist.	-9068 Jul 25 j 04:45	27°♏38'03	4.07457 AU
opposition	-9068 Jul 26 j 03:48	27°♏30'11	-2°11'42
direct	-9068 Sep 22 j 08:06	22°♏32'03	
	-9068 Dec 02 j 14:26	0°♐	
evening set	-9067 Jan 26 j 08:10	11°♐39'49	
conjunction	-9067 Feb 09 j 00:15	14°♐49'18	-1°35'37
minimum elong	-9067 Feb 09 j 00:14	14°♐49'18	1°36'08
max. Earth dist.	-9067 Feb 10 j 08:06	15°♐07'44	6.09840 AU

Attention, astronomical year style is used: The year -9067 in astronomical counting style is the year 9068 BCE in historical counting style.

morning rise	-9067 Feb 22 j 17:50	17°♐59'24	
	-9067 Apr 20 j 15:22	0°♑	
retrograde	-9067 Jul 01 j 05:55	7°♑20'51	
opposition	-9067 Aug 29 j 10:50	2°♑17'13	-2°20'19
min. Earth dist.	-9067 Aug 28 j 18:40	2°♑22'45	4.13350 AU
	-9067 Sep 15 j 20:31	30°℞♐	
direct	-9067 Oct 27 j 09:21	27°♐15'42	
	-9067 Dec 08 j 04:53	0°♑	
evening set	-9066 Mar 03 j 22:50	16°♑15'48	
conjunction	-9066 Mar 17 j 16:14	19°♑22'38	-1°24'48
minimum elong	-9066 Mar 17 j 16:18	19°♑22'41	1°25'21
max. Earth dist.	-9066 Mar 18 j 10:24	19°♑32'58	6.17226 AU
morning rise	-9066 Mar 31 j 08:43	22°♑28'55	
	-9066 May 05 j 00:08	0°♒	
retrograde	-9066 Aug 03 j 13:30	11°♒01'17	
opposition	-9066 Oct 01 j 15:17	6°♒01'01	-1°40'53
min. Earth dist.	-9066 Oct 01 j 10:17	6°♒02'43	4.21444 AU
direct	-9066 Nov 30 j 17:28	0°♒57'19	
	-9065 Mar 17 j 21:18	15°♒	
evening set	-9065 Apr 08 j 06:58	19°♒39'59	
conjunction	-9065 Apr 21 j 21:18	22°♒42'18	-0°45'52
minimum elong	-9065 Apr 21 j 21:22	22°♒42'20	0°46'16
max. Earth dist.	-9065 Apr 21 j 17:33	22°♒40'12	6.25455 AU
morning rise	-9065 May 05 j 09:16	25°♒43'16	
	-9065 May 24 j 23:19	0°♓	
retrograde	-9065 Sep 04 j 16:01	13°♓30'12	
opposition	-9065 Nov 02 j 23:52	8°♓33'46	-0°30'46
min. Earth dist.	-9065 Nov 03 j 08:07	8°♓31'02	4.29020 AU
direct	-9064 Jan 03 j 07:55	3°♓29'32	
asc. node	-9064 Apr 05 j 21:14	14°♓27'33	
evening set	-9064 May 11 j 00:42	21°♓53'19	
max. Earth dist.	-9064 May 23 j 11:49	24°♓38'58	6.31870 AU
conjunction	-9064 May 24 j 07:57	24°♓50'09	0°06'32
minimum elong	-9064 May 24 j 07:55	24°♓50'08	0°06'25
behind sun begin	-9064 May 24 j 00:16	24°♓45'54	
behind sun end	-9064 May 24 j 15:35	24°♓54'22	
morning rise	-9064 Jun 06 j 11:30	27°♓45'08	
	-9064 Jun 16 j 17:55	0°♈	
retrograde	-9064 Oct 05 j 03:33	15°♈04'34	
opposition	-9064 Dec 04 j 00:28	10°♈11'16	0°46'40
min. Earth dist.	-9064 Dec 04 j 18:28	10°♈05'25	4.33808 AU
direct	-9063 Feb 04 j 05:06	5°♈08'20	
evening set	-9063 Jun 12 j 09:20	23°♈18'23	
max. Earth dist.	-9063 Jun 23 j 22:33	25°♈52'04	6.34602 AU
conjunction	-9063 Jun 25 j 06:39	26°♈09'55	0°56'04
minimum elong	-9063 Jun 25 j 06:34	26°♈09'53	0°56'16
morning rise	-9063 Jul 08 j 00:50	28°♈59'54	
	-9063 Jul 12 j 13:55	0°♉	
	-9063 Oct 08 j 08:16	15°♉	
retrograde	-9063 Nov 05 j 19:36	16°♉15'27	
	-9063 Dec 04 j 08:58	15°℞♉	
opposition	-9062 Jan 05 j 07:04	11°♉23'47	1°49'44
min. Earth dist.	-9062 Jan 06 j 07:07	11°♉16'05	4.34417 AU
direct	-9062 Mar 08 j 20:03	6°♉23'19	
	-9062 May 29 j 09:52	15°♉	
evening set	-9062 Jul 13 j 20:26	24°♉27'41	
max. Earth dist.	-9062 Jul 25 j 01:07	26°♉58'01	6.32927 AU
conjunction	-9062 Jul 26 j 09:23	27°♉16'08	1°29'14
minimum elong	-9062 Jul 26 j 09:19	27°♉16'07	1°29'40
morning rise	-9062 Aug 07 j 20:03	0°♊03'35	
	-9062 Aug 07 j 13:38	0°♊	
retrograde	-9062 Dec 08 j 04:58	17°♊38'03	
opposition	-9061 Feb 07 j 07:15	12°♊46'08	2°21'28
min. Earth dist.	-9061 Feb 08 j 04:32	12°♊39'23	4.30696 AU
direct	-9061 Apr 10 j 11:08	7°♊48'48	
evening set	-9061 Aug 14 j 01:31	25°♊55'19	
max. Earth dist.	-9061 Aug 25 j 10:02	28°♊30'10	6.27387 AU
conjunction	-9061 Aug 26 j 10:49	28°♊44'17	1°36'32
minimum elong	-9061 Aug 26 j 10:49	28°♊44'18	1°37'06
	-9061 Aug 31 j 23:39	0°♋	
morning rise	-9061 Sep 07 j 19:46	1°♋33'13	
retrograde	-9060 Jan 10 j 22:47	19°♋43'59	
opposition	-9060 Mar 12 j 08:07	14°♋49'58	2°11'20
min. Earth dist.	-9060 Mar 12 j 21:34	14°♋45'41	4.23710 AU
direct	-9060 May 12 j 15:11	9°♋55'21	
evening set	-9060 Sep 13 j 17:47	28°♋10'42	
	-9060 Sep 21 j 15:17	0°♌	
conjunction	-9060 Sep 26 j 06:13	1°♌04'13	1°14'25
minimum elong	-9060 Sep 26 j 06:18	1°♌04'15	1°14'56
max. Earth dist.	-9060 Sep 25 j 20:49	0°♌58'46	6.19575 AU
morning rise	-9060 Oct 08 j 20:11	3°♌58'39	
	-9060 Nov 29 j 16:42	15°♌	
retrograde	-9059 Feb 13 j 22:57	22°♌54'05	
opposition	-9059 Apr 16 j 08:53	17°♌56'34	1°18'43
min. Earth dist.	-9059 Apr 16 j 08:05	17°♌56'49	4.15559 AU
	-9059 May 10 j 21:25	15°℞♌	
direct	-9059 Jun 15 j 09:35	13°♌03'34	
	-9059 Jul 20 j 11:26	15°♌	
	-9059 Oct 09 j 22:05	0°♍	
evening set	-9059 Oct 16 j 15:01	1°♍33'11	
conjunction	-9059 Oct 29 j 11:28	4°♍33'32	0°27'31
minimum elong	-9059 Oct 29 j 11:30	4°♍33'34	0°27'50
max. Earth dist.	-9059 Oct 29 j 21:35	4°♍39'28	6.11885 AU
morning rise	-9059 Nov 11 j 10:53	7°♍35'35	
retrograde	-9058 Mar 22 j 02:45	27°♍11'47	
desc. node	-9058 May 09 j 22:42	23°♍44'32	
opposition	-9058 May 22 j 01:33	22°♍10'19	-0°02'40
min. Earth dist.	-9058 May 21 j 12:10	22°♍14'44	4.08900 AU
direct	-9058 Jul 19 j 23:29	17°♍17'04	
	-9058 Oct 24 j 13:53	0°♎	
evening set	-9058 Nov 20 j 05:24	6°♎04'06	
conjunction	-9058 Dec 03 j 11:04	9°♎10'41	-0°29'58
minimum elong	-9058 Dec 03 j 11:01	9°♎10'40	0°29'59
max. Earth dist.	-9058 Dec 04 j 14:46	9°♎26'59	6.06885 AU
morning rise	-9058 Dec 16 j 20:16	12°♎19'10	
	-9057 Mar 19 j 21:17	0°♏	
retrograde	-9057 Apr 27 j 12:27	2°♏17'20	
	-9057 Jun 04 j 21:10	30°℞♎	
opposition	-9057 Jun 26 j 19:06	27°♎12'59	-1°24'48
min. Earth dist.	-9057 Jun 25 j 21:04	27°♎20'24	4.06115 AU
direct	-9057 Aug 23 j 23:35	22°♎17'37	
	-9057 Nov 04 j 01:11	0°♏	
evening set	-9057 Dec 26 j 10:41	11°♏19'42	
conjunction	-9056 Jan 08 j 23:15	14°♏29'19	-1°17'13
minimum elong	-9056 Jan 08 j 23:10	14°♏29'16	1°17'34
max. Earth dist.	-9056 Jan 10 j 10:13	14°♏49'47	6.06443 AU
	-9056 Jan 11 j 03:40	15°♏	
morning rise	-9056 Jan 22 j 14:45	17°♏40'22	
	-9056 Mar 20 j 11:13	0°♐	
retrograde	-9056 Jun 01 j 07:46	7°♐31'09	
opposition	-9056 Jul 30 j 22:32	2°♐26'05	-2°15'56
min. Earth dist.	-9056 Jul 30 j 00:34	2°♐33'35	4.08192 AU
	-9056 Aug 18 j 14:43	30°℞♏	
direct	-9056 Sep 27 j 05:18	27°♏27'24	

Attention, astronomical year style is used: The year -9056 in astronomical counting style is the year 9057 BCE in historical counting style.

	-9056 Nov 05 j 21:59	0°♐	
evening set	-9055 Jan 31 j 09:31	16°♐34'23	
conjunction	-9055 Feb 14 j 02:06	19°♐43'38	-1°36'09
minimum elong	-9055 Feb 14 j 02:05	19°♐43'38	1°36'41
max. Earth dist.	-9055 Feb 15 j 09:30	20°♐01'45	6.10749 AU
morning rise	-9055 Feb 27 j 19:35	22°♐53'16	
	-9055 Mar 31 j 23:01	0°♑	
retrograde	-9055 Jul 05 j 22:34	12°♑08'32	
min. Earth dist.	-9055 Sep 02 j 11:06	7°♑10'19	4.14341 AU
opposition	-9055 Sep 03 j 01:43	7°♑05'20	-2°17'29
direct	-9055 Nov 01 j 03:11	2°♑03'27	
evening set	-9054 Mar 08 j 21:23	21°♑01'51	
conjunction	-9054 Mar 22 j 14:30	24°♑08'12	-1°20'50
minimum elong	-9054 Mar 22 j 14:35	24°♑08'15	1°21'22
max. Earth dist.	-9054 Mar 23 j 04:11	24°♑15'58	6.18213 AU
morning rise	-9054 Apr 05 j 06:49	27°♑13'57	
	-9054 Apr 17 j 16:35	0°♒	
	-9054 Jul 18 j 21:12	15°♒	
retrograde	-9054 Aug 08 j 01:09	15°♒40'15	
	-9054 Aug 28 j 02:12	15°℞♒	
opposition	-9054 Oct 06 j 03:19	10°♒40'30	-1°32'33
min. Earth dist.	-9054 Oct 06 j 00:28	10°♒41'28	4.22336 AU
direct	-9054 Dec 05 j 09:40	5°♒36'34	
	-9053 Feb 27 j 18:39	15°♒	
evening set	-9053 Apr 13 j 01:07	24°♒17'33	
conjunction	-9053 Apr 26 j 14:55	27°♒19'20	-0°39'04
minimum elong	-9053 Apr 26 j 14:59	27°♒19'22	0°39'25
max. Earth dist.	-9053 Apr 26 j 09:35	27°♒16'21	6.26218 AU
	-9053 May 08 j 14:34	0°♓	
morning rise	-9053 May 10 j 01:51	0°♓19'37	
retrograde	-9053 Sep 09 j 02:16	18°♓02'33	
opposition	-9053 Nov 07 j 10:59	13°♓06'39	-0°19'56
min. Earth dist.	-9053 Nov 07 j 20:31	13°♓03'30	4.29590 AU
direct	-9052 Jan 07 j 21:37	8°♓02'35	
asc. node	-9052 Feb 15 j 02:16	10°♓11'03	
evening set	-9052 May 15 j 14:51	26°♓25'06	
conjunction	-9052 May 28 j 20:44	29°♓21'16	0°13'56
minimum elong	-9052 May 28 j 20:43	29°♓21'15	0°13'51
behind sun begin	-9052 May 28 j 16:32	29°♓18'56	
behind sun end	-9052 May 29 j 00:55	29°♓23'34	
max. Earth dist.	-9052 May 27 j 21:33	29°♓08'23	6.32206 AU
	-9052 May 31 j 18:27	0°♈	
morning rise	-9052 Jun 10 j 23:15	2°♈15'40	
retrograde	-9052 Oct 09 j 14:25	19°♈34'08	
opposition	-9052 Dec 08 j 12:42	14°♈41'08	0°56'48
min. Earth dist.	-9052 Dec 09 j 08:00	14°♈34'52	4.33909 AU
direct	-9051 Feb 08 j 19:12	9°♈38'29	
evening set	-9051 Jun 16 j 20:32	27°♈48'01	
	-9051 Jun 26 j 18:30	0°♉	
max. Earth dist.	-9051 Jun 28 j 09:43	0°♉21'50	6.34465 AU
conjunction	-9051 Jun 29 j 16:41	0°♉39'05	1°01'58
minimum elong	-9051 Jun 29 j 16:36	0°♉39'03	1°02'12
morning rise	-9051 Jul 12 j 09:29	3°♉28'34	
	-9051 Sep 07 j 20:13	15°♉	
retrograde	-9051 Nov 10 j 07:08	20°♉45'55	
opposition	-9050 Jan 09 j 21:25	15°♉54'19	1°56'24
min. Earth dist.	-9050 Jan 10 j 20:29	15°♉46'58	4.34075 AU
	-9050 Jan 17 j 00:43	15°℞♉	
direct	-9050 Mar 13 j 09:22	10°♉54'22	
	-9050 May 06 j 14:11	15°♉	
evening set	-9050 Jul 18 j 06:17	28°♉58'41	
	-9050 Jul 22 j 19:56	0°♊	

max. Earth dist.	-9050 Jul 29 j 09:57	1°♊28'47	6.32390 AU
conjunction	-9050 Jul 30 j 18:13	1°♊46'56	1°31'57
minimum elong	-9050 Jul 30 j 18:09	1°♊46'55	1°32'24
morning rise	-9050 Aug 12 j 04:23	4°♊34'21	
retrograde	-9050 Dec 12 j 21:45	22°♊12'46	
opposition	-9049 Feb 12 j 00:52	17°♊20'38	2°22'40
min. Earth dist.	-9049 Feb 12 j 21:45	17°♊14'01	4.29992 AU
direct	-9049 Apr 15 j 03:28	12°♊23'42	
	-9049 Aug 16 j 05:14	0°♋	
evening set	-9049 Aug 18 j 11:15	0°♋30'32	
conjunction	-9049 Aug 30 j 20:41	3°♋19'52	1°35'10
minimum elong	-9049 Aug 30 j 20:43	3°♋19'53	1°35'44
max. Earth dist.	-9049 Aug 29 j 22:26	3°♋07'09	6.26566 AU
morning rise	-9049 Sep 12 j 05:52	6°♋09'15	
retrograde	-9048 Jan 15 j 17:11	24°♋25'14	
opposition	-9048 Mar 17 j 04:32	19°♋30'47	2°06'20
min. Earth dist.	-9048 Mar 17 j 15:20	19°♋27'20	4.22811 AU
direct	-9048 May 17 j 07:19	14°♋36'31	
	-9048 Sep 05 j 14:28	0°♌	
evening set	-9048 Sep 18 j 06:00	2°♌52'44	
conjunction	-9048 Sep 30 j 19:12	5°♌46'59	1°09'08
minimum elong	-9048 Sep 30 j 19:16	5°♌47'02	1°09'37
max. Earth dist.	-9048 Sep 30 j 12:09	5°♌42'54	6.18672 AU
morning rise	-9048 Oct 13 j 10:13	8°♌42'18	
	-9048 Nov 10 j 14:32	15°♌	
retrograde	-9047 Feb 18 j 23:01	27°♌43'08	
opposition	-9047 Apr 21 j 07:21	22°♌45'05	1°08'36
min. Earth dist.	-9047 Apr 21 j 05:21	22°♌45'44	4.14687 AU
direct	-9047 Jun 20 j 05:11	17°♌52'08	
	-9047 Sep 23 j 00:45	0°♍	
evening set	-9047 Oct 21 j 07:41	6°♍23'26	
conjunction	-9047 Nov 03 j 05:25	9°♍24'41	0°19'46
minimum elong	-9047 Nov 03 j 05:27	9°♍24'42	0°20'01
max. Earth dist.	-9047 Nov 03 j 18:09	9°♍32'08	6.11139 AU
morning rise	-9047 Nov 16 j 06:15	12°♍27'42	
	-9046 Feb 17 j 14:40	0°♎	
desc. node	-9046 Mar 20 j 18:36	2°♎03'56	
retrograde	-9046 Mar 27 j 03:28	2°♎07'46	
	-9046 May 03 j 13:25	30°℞♍	
min. Earth dist.	-9046 May 26 j 09:18	27°♍10'52	4.08358 AU
opposition	-9046 May 27 j 00:26	27°♍05'52	-0°14'44
direct	-9046 Jul 24 j 18:10	22°♍12'28	
	-9046 Oct 05 j 10:01	0°♎	
evening set	-9046 Nov 25 j 03:30	11°♎01'36	
conjunction	-9046 Dec 08 j 10:11	14°♎08'46	-0°37'35
minimum elong	-9046 Dec 08 j 10:07	14°♎08'44	0°37'39
max. Earth dist.	-9046 Dec 09 j 14:21	14°♎25'20	6.06575 AU
morning rise	-9046 Dec 21 j 20:31	17°♎17'50	
	-9045 Feb 19 j 11:55	0°♏	
retrograde	-9045 May 02 j 11:54	7°♏16'56	
opposition	-9045 Jul 01 j 16:50	2°♏12'18	-1°34'19
min. Earth dist.	-9045 Jun 30 j 18:35	2°♏19'50	4.06075 AU
	-9045 Jul 18 j 15:47	30°℞♎	
direct	-9045 Aug 28 j 20:55	27°♎16'31	
	-9045 Oct 08 j 19:11	0°♏	
	-9045 Dec 25 j 18:06	15°♏	
evening set	-9045 Dec 31 j 12:43	16°♏20'16	
conjunction	-9044 Jan 14 j 02:09	19°♏30'05	-1°21'48
minimum elong	-9044 Jan 14 j 02:05	19°♏30'02	1°22'11
max. Earth dist.	-9044 Jan 15 j 14:18	19°♏51'12	6.06668 AU
morning rise	-9044 Jan 27 j 18:01	22°♏41'10	

Attention, astronomical year style is used: The year -9044 in astronomical counting style is the year 9045 BCE in historical counting style.

	-9044 Feb 29 j 10:11	0°♐	
retrograde	-9044 Jun 06 j 06:04	12°♐29'04	
opposition	-9044 Aug 04 j 17:39	7°♐24'10	-2°19'15
min. Earth dist.	-9044 Aug 03 j 20:43	7°♐31'19	4.08673 AU
direct	-9044 Oct 02 j 02:02	2°♐25'01	
evening set	-9043 Feb 05 j 12:29	21°♐32'18	
conjunction	-9043 Feb 19 j 05:14	24°♐41'22	-1°35'59
minimum elong	-9043 Feb 19 j 05:14	24°♐41'22	1°36'33
max. Earth dist.	-9043 Feb 20 j 09:17	24°♐57'32	6.11419 AU
morning rise	-9043 Mar 04 j 22:57	27°♐50'44	
	-9043 Mar 14 j 10:43	0°♑	
retrograde	-9043 Jul 10 j 14:49	17°♑00'32	
opposition	-9043 Sep 07 j 17:46	11°♑57'41	-2°13'41
min. Earth dist.	-9043 Sep 07 j 04:23	12°♑02'15	4.15130 AU
direct	-9043 Nov 05 j 22:28	6°♑55'22	
evening set	-9042 Mar 13 j 21:33	25°♑52'47	
conjunction	-9042 Mar 27 j 14:39	28°♑58'46	-1°16'15
minimum elong	-9042 Mar 27 j 14:44	28°♑58'49	1°16'47
max. Earth dist.	-9042 Mar 28 j 02:30	29°♑05'29	6.19077 AU
	-9042 Apr 01 j 02:44	0°♒	
morning rise	-9042 Apr 10 j 06:24	2°♒03'58	
	-9042 Jun 13 j 08:17	15°♒	
retrograde	-9042 Aug 12 j 15:52	20°♒24'32	
opposition	-9042 Oct 10 j 17:22	15°♒25'20	-1°23'28
min. Earth dist.	-9042 Oct 10 j 16:31	15°♒25'38	4.23176 AU
	-9042 Oct 13 j 20:42	15°℞♒	
direct	-9042 Dec 10 j 03:27	10°♒21'19	
	-9041 Feb 05 j 01:35	15°♒	
evening set	-9041 Apr 17 j 21:03	29°♒00'31	
	-9041 Apr 22 j 08:04	0°♓	
conjunction	-9041 May 01 j 09:59	2°♓01'40	-0°31'52
minimum elong	-9041 May 01 j 10:02	2°♓01'42	0°32'11
max. Earth dist.	-9041 May 01 j 01:36	1°♓56'59	6.26978 AU
morning rise	-9041 May 14 j 20:04	5°♓01'16	
retrograde	-9041 Sep 13 j 13:13	22°♓40'14	
opposition	-9041 Nov 12 j 00:08	17°♓44'46	-0°08'47
min. Earth dist.	-9041 Nov 12 j 10:44	17°♓41'16	4.30234 AU
asc. node	-9041 Dec 25 j 19:31	13°♓10'15	
direct	-9040 Jan 12 j 13:48	12°♓40'47	
	-9040 May 15 j 14:20	0°♈	
evening set	-9040 May 20 j 06:31	1°♈01'34	
max. Earth dist.	-9040 Jun 01 j 11:52	3°♈44'04	6.32713 AU
conjunction	-9040 Jun 02 j 11:09	3°♈57'00	0°21'22
minimum elong	-9040 Jun 02 j 11:07	3°♈56'59	0°21'20
morning rise	-9040 Jun 15 j 12:11	6°♈50'36	
retrograde	-9040 Oct 14 j 01:36	24°♈07'26	
opposition	-9040 Dec 13 j 02:14	19°♈14'44	1°06'41
min. Earth dist.	-9040 Dec 13 j 21:55	19°♈08'23	4.34264 AU
direct	-9039 Feb 13 j 10:45	14°♈12'28	
	-9039 Jun 10 j 16:08	0°♉	
evening set	-9039 Jun 21 j 08:28	2°♉20'17	
max. Earth dist.	-9039 Jul 02 j 18:54	4°♉52'43	6.34623 AU
conjunction	-9039 Jul 04 j 03:08	5°♉10'40	1°07'32
minimum elong	-9039 Jul 04 j 03:04	5°♉10'38	1°07'48
morning rise	-9039 Jul 16 j 18:53	7°♉59'35	
	-9039 Aug 18 j 16:35	15°♉	
retrograde	-9039 Nov 14 j 20:04	25°♉17'47	
opposition	-9038 Jan 14 j 12:32	20°♉26'09	2°02'20
min. Earth dist.	-9038 Jan 15 j 11:33	20°♉18'48	4.34047 AU
direct	-9038 Mar 18 j 00:53	15°♉26'32	
	-9038 Jul 06 j 18:33	0°♊	
evening set	-9038 Jul 22 j 15:30	3°♊29'30	

max. Earth dist.	-9038 Aug 02 j 20:59	6°♊00'43	6.32166 AU
conjunction	-9038 Aug 04 j 02:46	6°♊17'29	1°34'05
minimum elong	-9038 Aug 04 j 02:44	6°♊17'28	1°34'35
morning rise	-9038 Aug 16 j 12:11	9°♊04'42	
retrograde	-9038 Dec 17 j 11:42	26°♊45'58	
opposition	-9037 Feb 16 j 17:44	21°♊53'36	2°22'55
min. Earth dist.	-9037 Feb 17 j 13:10	21°♊47'27	4.29586 AU
direct	-9037 Apr 19 j 18:11	16°♊57'04	
	-9037 Jul 31 j 00:12	0°♋	
evening set	-9037 Aug 22 j 20:09	5°♋03'11	
max. Earth dist.	-9037 Sep 03 j 08:00	7°♋40'26	6.25999 AU
conjunction	-9037 Sep 04 j 05:30	7°♋52'44	1°33'13
minimum elong	-9037 Sep 04 j 05:32	7°♋52'45	1°33'47
morning rise	-9037 Sep 16 j 15:09	10°♋42'32	
retrograde	-9036 Jan 20 j 11:50	29°♋02'51	
opposition	-9036 Mar 21 j 23:18	24°♋07'56	2°00'32
min. Earth dist.	-9036 Mar 22 j 09:08	24°♋04'47	4.22092 AU
direct	-9036 May 21 j 23:26	19°♋13'50	
	-9036 Aug 19 j 16:57	0°♌	
evening set	-9036 Sep 22 j 16:39	7°♌30'29	
conjunction	-9036 Oct 05 j 06:54	10°♌25'30	1°03'27
minimum elong	-9036 Oct 05 j 06:59	10°♌25'33	1°03'56
max. Earth dist.	-9036 Oct 05 j 02:41	10°♌23'03	6.17881 AU
morning rise	-9036 Oct 17 j 23:00	13°♌21'40	
	-9036 Oct 25 j 02:31	15°♌	
	-9035 Jan 14 j 03:43	0°♍	
retrograde	-9035 Feb 23 j 20:03	2°♍27'22	
	-9035 Apr 05 j 17:35	30°℞♌	
opposition	-9035 Apr 26 j 03:41	27°♌28'49	0°58'09
min. Earth dist.	-9035 Apr 26 j 00:07	27°♌29'58	4.13874 AU
direct	-9035 Jun 24 j 21:03	22°♌35'54	
	-9035 Sep 04 j 04:03	0°♍	
evening set	-9035 Oct 25 j 22:58	11°♍08'59	
conjunction	-9035 Nov 07 j 21:50	14°♍11'05	0°11'59
minimum elong	-9035 Nov 07 j 21:52	14°♍11'06	0°12'12
behind sun begin	-9035 Nov 07 j 16:22	14°♍07'54	
behind sun end	-9035 Nov 08 j 03:21	14°♍14'19	
max. Earth dist.	-9035 Nov 08 j 11:26	14°♍19'04	6.10374 AU
morning rise	-9035 Nov 21 j 00:08	17°♍15'04	
	-9034 Jan 20 j 06:02	0°♎	
desc. node	-9034 Jan 30 j 01:04	1°♎39'15	
retrograde	-9034 Apr 01 j 02:03	6°♎59'15	
opposition	-9034 May 31 j 21:25	1°♎56'53	-0°26'31
min. Earth dist.	-9034 May 31 j 05:18	2°♎02'14	4.07703 AU
	-9034 Jun 16 j 00:16	30°℞♍	
direct	-9034 Jul 29 j 12:34	27°♍03'13	
	-9034 Sep 10 j 07:37	0°♎	
evening set	-9034 Nov 30 j 00:40	15°♎55'14	
conjunction	-9034 Dec 13 j 08:38	19°♎03'08	-0°44'50
minimum elong	-9034 Dec 13 j 08:34	19°♎03'05	0°44'57
max. Earth dist.	-9034 Dec 14 j 15:09	19°♎21'05	6.06101 AU
morning rise	-9034 Dec 26 j 19:54	22°♎12'49	
	-9033 Jan 30 j 12:09	0°♏	
retrograde	-9033 May 07 j 12:08	12°♏13'17	
opposition	-9033 Jul 06 j 13:15	7°♏08'34	-1°43'03
min. Earth dist.	-9033 Jul 05 j 15:23	7°♏15'58	4.05856 AU
direct	-9033 Sep 02 j 16:28	2°♏12'23	
	-9033 Dec 08 j 16:46	15°♏	
evening set	-9032 Jan 05 j 14:47	21°♏18'45	
conjunction	-9032 Jan 19 j 04:48	24°♏28'51	-1°25'43
minimum elong	-9032 Jan 19 j 04:43	24°♏28'48	1°26'07

Attention, astronomical year style is used: The year -9032 in astronomical counting style is the year 9033 BCE in historical counting style.

max. Earth dist.	-9032 Jan 20 j 15:06	24°♏48'52	6.06706 AU
morning rise	-9032 Feb 01 j 21:24	27°♏40'09	
	-9032 Feb 12 j 00:42	0°♐	
retrograde	-9032 Jun 11 j 02:13	17°♐25'47	
opposition	-9032 Aug 09 j 12:23	12°♐21'02	-2°21'30
min. Earth dist.	-9032 Aug 08 j 15:28	12°♐28'12	4.08987 AU
direct	-9032 Oct 06 j 21:46	7°♐21'26	
evening set	-9031 Feb 10 j 15:24	26°♐29'39	
conjunction	-9031 Feb 24 j 08:36	29°♐38'39	-1°35'06
minimum elong	-9031 Feb 24 j 08:38	29°♐38'39	1°35'39
max. Earth dist.	-9031 Feb 25 j 11:48	29°♐54'17	6.12002 AU
	-9031 Feb 25 j 21:43	0°♑	
morning rise	-9031 Mar 10 j 02:16	2°♑47'45	
retrograde	-9031 Jul 15 j 09:26	21°♑52'22	
opposition	-9031 Sep 12 j 10:20	16°♑49'58	-2°08'54
min. Earth dist.	-9031 Sep 11 j 22:50	16°♑53'54	4.15909 AU
direct	-9031 Nov 10 j 18:36	11°♑47'23	
	-9030 Mar 15 j 16:11	0°♒	
evening set	-9030 Mar 18 j 21:51	0°♒43'32	
conjunction	-9030 Apr 01 j 14:43	3°♒49'05	-1°11'06
minimum elong	-9030 Apr 01 j 14:49	3°♒49'08	1°11'37
max. Earth dist.	-9030 Apr 02 j 00:18	3°♒54'30	6.20004 AU
morning rise	-9030 Apr 15 j 06:02	6°♒53'42	
	-9030 May 23 j 00:25	15°♒	
retrograde	-9030 Aug 17 j 03:58	25°♒08'14	
opposition	-9030 Oct 15 j 07:25	20°♒09'32	-1°13'49
min. Earth dist.	-9030 Oct 15 j 07:09	20°♒09'37	4.24159 AU
direct	-9030 Dec 14 j 20:48	15°♒05'24	
	-9029 Apr 05 j 17:28	0°♓	
evening set	-9029 Apr 22 j 16:28	3°♓42'07	
conjunction	-9029 May 06 j 04:27	6°♓42'29	-0°24'29
minimum elong	-9029 May 06 j 04:29	6°♓42'31	0°24'46
max. Earth dist.	-9029 May 05 j 18:05	6°♓36'43	6.27954 AU
morning rise	-9029 May 19 j 13:25	9°♓41'15	
retrograde	-9029 Sep 18 j 00:45	27°♓15'37	
asc. node	-9029 Nov 04 j 18:22	23°♓51'53	
opposition	-9029 Nov 16 j 12:50	22°♓20'36	0°02'22
min. Earth dist.	-9029 Nov 17 j 01:12	22°♓16'32	4.31089 AU
direct	-9028 Jan 17 j 06:35	17°♓16'47	
	-9028 Apr 28 j 19:18	0°♈	
evening set	-9028 May 24 j 20:28	5°♈34'53	
conjunction	-9028 Jun 06 j 23:44	8°♈29'28	0°28'38
minimum elong	-9028 Jun 06 j 23:42	8°♈29'26	0°28'39
max. Earth dist.	-9028 Jun 05 j 22:32	8°♈15'28	6.33346 AU
morning rise	-9028 Jun 19 j 23:27	11°♈22'16	
retrograde	-9028 Oct 18 j 11:08	28°♈37'28	
opposition	-9028 Dec 17 j 14:49	23°♈44'57	1°16'07
min. Earth dist.	-9028 Dec 18 j 10:54	23°♈38'29	4.34629 AU
direct	-9027 Feb 18 j 00:39	18°♈42'58	
	-9027 May 24 j 16:59	0°♉	
evening set	-9027 Jun 25 j 18:33	6°♉49'10	
max. Earth dist.	-9027 Jul 07 j 04:15	9°♉21'16	6.34668 AU
conjunction	-9027 Jul 08 j 11:58	9°♉38'58	1°12'40
minimum elong	-9027 Jul 08 j 11:54	9°♉38'55	1°12'58
morning rise	-9027 Jul 21 j 02:26	12°♉27'20	
	-9027 Aug 01 j 16:31	15°♉	
retrograde	-9027 Nov 19 j 07:44	29°♉47'07	
opposition	-9026 Jan 19 j 02:37	24°♉55'32	2°07'34
min. Earth dist.	-9026 Jan 20 j 01:57	24°♉48'08	4.33764 AU
direct	-9026 Mar 22 j 14:54	19°♉56'22	
	-9026 Jun 19 j 11:14	0°♊	
evening set	-9026 Jul 26 j 24:00	7°♊59'03	

max. Earth dist.	-9026 Aug 07 j 03:52	10°♊29'41	6.31551 AU
conjunction	-9026 Aug 08 j 10:30	10°♊46'58	1°35'43
minimum elong	-9026 Aug 08 j 10:28	10°♊46'57	1°36'14
morning rise	-9026 Aug 20 j 19:41	13°♊34'17	
	-9026 Nov 22 j 12:04	0°♋	
retrograde	-9026 Dec 22 j 03:41	1°♋20'06	
	-9025 Jan 21 j 00:01	30°℞♊	
opposition	-9025 Feb 21 j 10:51	26°♊27'27	2°22'25
min. Earth dist.	-9025 Feb 22 j 05:26	26°♊21'33	4.28678 AU
direct	-9025 Apr 24 j 08:26	21°♊31'15	
	-9025 Jul 12 j 20:06	0°♋	
evening set	-9025 Aug 27 j 05:29	9°♋38'32	
conjunction	-9025 Sep 08 j 15:19	12°♋28'42	1°30'43
minimum elong	-9025 Sep 08 j 15:22	12°♋28'44	1°31'16
max. Earth dist.	-9025 Sep 07 j 20:45	12°♋18'04	6.24880 AU
morning rise	-9025 Sep 21 j 01:23	15°♋19'11	
	-9025 Dec 05 j 08:08	0°♌	
retrograde	-9024 Jan 25 j 08:56	3°♌45'58	
	-9024 Mar 17 j 16:39	30°℞♋	
opposition	-9024 Mar 26 j 20:08	28°♋50'38	1°53'58
min. Earth dist.	-9024 Mar 27 j 04:34	28°♋47'56	4.20828 AU
direct	-9024 May 26 j 15:55	23°♋56'49	
	-9024 Jul 30 j 09:40	0°♌	
evening set	-9024 Sep 27 j 06:14	12°♌15'54	
conjunction	-9024 Oct 09 j 21:23	15°♌11'54	0°57'15
minimum elong	-9024 Oct 09 j 21:28	15°♌11'57	0°57'42
	-9024 Oct 09 j 00:56	15°♌	
max. Earth dist.	-9024 Oct 09 j 18:16	15°♌10'05	6.16586 AU
morning rise	-9024 Oct 22 j 14:55	18°♌09'14	
	-9024 Dec 17 j 14:41	0°♍	
retrograde	-9023 Feb 28 j 21:07	7°♍21'43	
opposition	-9023 May 01 j 03:31	2°♍22'34	0°47'00
min. Earth dist.	-9023 Apr 30 j 21:48	2°♍24'26	4.12641 AU
	-9023 May 20 j 06:02	30°℞♌	
direct	-9023 Jun 29 j 16:14	27°♌29'40	
	-9023 Aug 08 j 10:35	0°♍	
evening set	-9023 Oct 30 j 18:50	16°♍06'08	
conjunction	-9023 Nov 12 j 19:13	19°♍09'19	0°03'52
minimum elong	-9023 Nov 12 j 19:14	19°♍09'20	0°04'02
behind sun begin	-9023 Nov 12 j 11:12	19°♍04'37	
behind sun end	-9023 Nov 13 j 03:17	19°♍14'02	
max. Earth dist.	-9023 Nov 13 j 12:46	19°♍19'37	6.09341 AU
morning rise	-9023 Nov 25 j 22:50	22°♍14'22	
desc. node	-9023 Dec 09 j 03:27	25°♍16'58	
	-9023 Dec 30 j 13:43	0°♎	
retrograde	-9022 Apr 06 j 06:45	12°♎03'11	
opposition	-9022 Jun 05 j 22:49	7°♎00'26	-0°38'35
min. Earth dist.	-9022 Jun 05 j 05:51	7°♎06'05	4.06993 AU
direct	-9022 Aug 03 j 11:22	2°♎06'35	
evening set	-9022 Dec 05 j 03:18	21°♎01'41	
conjunction	-9022 Dec 18 j 12:10	24°♎10'08	-0°52'02
minimum elong	-9022 Dec 18 j 12:05	24°♎10'05	0°52'13
max. Earth dist.	-9022 Dec 19 j 19:16	24°♎28'25	6.05777 AU
morning rise	-9021 Jan 01 j 00:37	27°♎20'25	
	-9021 Jan 12 j 12:36	0°♏	
	-9021 Apr 03 j 14:58	15°♏	
retrograde	-9021 May 12 j 14:01	17°♏21'00	
	-9021 Jun 20 j 06:39	15°℞♏	
opposition	-9021 Jul 11 j 13:35	12°♏16'07	-1°51'19
min. Earth dist.	-9021 Jul 10 j 14:08	12°♏24'05	4.06012 AU
direct	-9021 Sep 07 j 16:04	7°♏19'32	
	-9021 Nov 18 j 16:27	15°♏	

Attention, astronomical year style is used: The year -9020 in astronomical counting style is the year 9021 BCE in historical counting style.

evening set	-9020 Jan 10 j 20:43	26°♏26'48	
conjunction	-9020 Jan 24 j 11:25	29°♏36'51	-1°29'08
minimum elong	-9020 Jan 24 j 11:21	29°♏36'49	1°29'35
max. Earth dist.	-9020 Jan 25 j 23:07	29°♏57'39	6.07344 AU
	-9020 Jan 26 j 03:08	0°♐	
morning rise	-9020 Feb 07 j 04:12	2°♐47'54	
retrograde	-9020 Jun 16 j 01:01	22°♐28'14	
opposition	-9020 Aug 14 j 09:09	17°♐23'40	-2°22'45
min. Earth dist.	-9020 Aug 13 j 13:27	17°♐30'24	4.10068 AU
direct	-9020 Oct 11 j 21:55	12°♐23'36	
	-9019 Feb 09 j 05:56	0°♑	
evening set	-9019 Feb 15 j 19:33	1°♑29'26	
conjunction	-9019 Mar 01 j 12:49	4°♑37'49	-1°33'34
minimum elong	-9019 Mar 01 j 12:51	4°♑37'51	1°34'08
max. Earth dist.	-9019 Mar 02 j 14:46	4°♑52'42	6.13430 AU
morning rise	-9019 Mar 15 j 06:18	7°♑46'11	
retrograde	-9019 Jul 19 j 23:20	26°♑41'59	
opposition	-9019 Sep 17 j 01:46	21°♑40'00	-2°03'15
min. Earth dist.	-9019 Sep 16 j 14:39	21°♑43'47	4.17548 AU
direct	-9019 Nov 15 j 13:37	16°♑37'04	
	-9018 Feb 26 j 18:35	0°♒	
evening set	-9018 Mar 23 j 19:51	5°♒28'40	
conjunction	-9018 Apr 06 j 12:07	8°♒33'16	-1°05'37
minimum elong	-9018 Apr 06 j 12:12	8°♒33'19	1°06'06
max. Earth dist.	-9018 Apr 06 j 18:15	8°♒36'43	6.21725 AU
morning rise	-9018 Apr 20 j 02:43	11°♒36'50	
	-9018 May 05 j 10:37	15°♒	
retrograde	-9018 Aug 21 j 14:22	29°♒42'54	
opposition	-9018 Oct 19 j 18:25	24°♒44'42	-1°04'00
min. Earth dist.	-9018 Oct 19 j 20:58	24°♒43'51	4.25779 AU
direct	-9018 Dec 19 j 13:49	19°♒40'28	
	-9017 Mar 19 j 08:37	0°♓	
evening set	-9017 Apr 27 j 06:59	8°♓12'25	
conjunction	-9017 May 10 j 17:58	11°♓11'48	-0°17'15
minimum elong	-9017 May 10 j 18:00	11°♓11'49	0°17'30
max. Earth dist.	-9017 May 10 j 05:15	11°♓04'43	6.29341 AU
morning rise	-9017 May 24 j 01:39	14°♓09'29	
	-9017 Aug 21 j 01:30	0°♈	
asc. node	-9017 Sep 16 j 12:11	1°♈35'13	
retrograde	-9017 Sep 22 j 05:29	1°♈38'27	
	-9017 Oct 24 j 11:44	30°℞♓	
opposition	-9017 Nov 20 j 20:51	26°♓43'50	0°12'59
min. Earth dist.	-9017 Nov 21 j 10:20	26°♓39'25	4.32143 AU
direct	-9016 Jan 21 j 17:20	21°♓40'08	
	-9016 Apr 10 j 21:35	0°♈	
evening set	-9016 May 29 j 05:21	9°♈55'12	
max. Earth dist.	-9016 Jun 10 j 03:19	12°♈33'28	6.33973 AU
conjunction	-9016 Jun 11 j 07:09	12°♈48'56	0°35'23
minimum elong	-9016 Jun 11 j 07:06	12°♈48'54	0°35'27
morning rise	-9016 Jun 24 j 05:32	15°♈40'54	
	-9016 Sep 08 j 21:43	0°♉	
retrograde	-9016 Oct 22 j 17:52	2°♉54'56	
	-9016 Dec 06 j 06:58	30°℞♈	
opposition	-9016 Dec 21 j 22:48	28°♈02'43	1°24'41
min. Earth dist.	-9016 Dec 22 j 21:13	27°♈55'30	4.34791 AU
direct	-9015 Feb 22 j 10:57	23°♈01'00	
	-9015 May 06 j 02:59	0°♉	
evening set	-9015 Jun 30 j 00:07	11°♉06'32	
max. Earth dist.	-9015 Jul 11 j 06:50	13°♉37'12	6.34318 AU
conjunction	-9015 Jul 12 j 16:27	13°♉55'58	1°17'10
minimum elong	-9015 Jul 12 j 16:22	13°♉55'55	1°17'31
morning rise	-9015 Jul 17 j 11:07	15°♉	
	-9015 Jul 25 j 05:59	16°♉44'05	
	-9015 Oct 01 j 16:00	0°♊	
retrograde	-9015 Nov 23 j 16:32	4°♊07'05	
	-9014 Jan 17 j 16:40	30°℞♉	
opposition	-9014 Jan 23 j 13:20	29°♉15'28	2°11'55
min. Earth dist.	-9014 Jan 24 j 12:36	29°♉08'04	4.32952 AU
direct	-9014 Mar 26 j 23:21	24°♉16'38	
	-9014 May 30 j 16:04	0°♊	
evening set	-9014 Jul 31 j 05:29	12°♊21'03	
max. Earth dist.	-9014 Aug 11 j 10:31	14°♊52'46	6.30332 AU
conjunction	-9014 Aug 12 j 15:39	15°♊09'15	1°36'43
minimum elong	-9014 Aug 12 j 15:38	15°♊09'15	1°37'15
morning rise	-9014 Aug 25 j 00:31	17°♊56'57	
	-9014 Oct 23 j 10:55	0°♋	
retrograde	-9014 Dec 26 j 19:34	5°♋49'31	
opposition	-9013 Feb 26 j 02:29	0°♋56'41	2°21'05
min. Earth dist.	-9013 Feb 26 j 20:57	0°♋50'50	4.27132 AU
	-9013 Mar 05 j 14:17	30°℞♊	
direct	-9013 Apr 28 j 20:55	26°♊00'54	
	-9013 Jun 20 j 07:53	0°♋	
evening set	-9013 Aug 31 j 14:25	14°♋11'41	
max. Earth dist.	-9013 Sep 12 j 06:32	16°♋52'21	6.23137 AU
conjunction	-9013 Sep 13 j 00:39	17°♋02'45	1°27'38
minimum elong	-9013 Sep 13 j 00:42	17°♋02'47	1°28'12
morning rise	-9013 Sep 25 j 11:41	19°♋54'21	
	-9013 Nov 11 j 19:07	0°♌	
retrograde	-9012 Jan 30 j 06:33	8°♌29'48	
opposition	-9012 Mar 31 j 17:10	3°♌33'59	1°46'37
min. Earth dist.	-9012 Mar 31 j 23:08	3°♌32'04	4.19015 AU
	-9012 May 02 j 00:17	30°℞♋	
direct	-9012 May 31 j 07:12	28°♋40'24	
	-9012 Jun 29 j 09:36	0°♌	
	-9012 Sep 22 j 21:39	15°♌	
evening set	-9012 Oct 01 j 21:07	17°♌03'57	
conjunction	-9012 Oct 14 j 13:42	20°♌01'16	0°50'34
minimum elong	-9012 Oct 14 j 13:47	20°♌01'19	0°50'59
max. Earth dist.	-9012 Oct 14 j 15:07	20°♌02'06	6.14888 AU
morning rise	-9012 Oct 27 j 08:32	22°♌59'59	
	-9012 Nov 27 j 15:26	0°♍	
retrograde	-9011 Mar 06 j 01:38	12°♍20'26	
opposition	-9011 May 06 j 05:13	7°♍20'47	0°35'18
min. Earth dist.	-9011 May 05 j 21:55	7°♍23'10	4.11199 AU
direct	-9011 Jul 04 j 14:03	2°♍27'56	
desc. node	-9011 Oct 17 j 10:02	16°♍55'47	
evening set	-9011 Nov 04 j 17:18	21°♍08'27	
conjunction	-9011 Nov 17 j 18:54	24°♍12'42	-0°04'36
minimum elong	-9011 Nov 17 j 18:54	24°♍12'42	0°04'28
behind sun begin	-9011 Nov 17 j 10:53	24°♍08'00	
behind sun end	-9011 Nov 18 j 02:55	24°♍17'24	
max. Earth dist.	-9011 Nov 18 j 14:34	24°♍24'16	6.08278 AU
morning rise	-9011 Dec 01 j 00:09	27°♍18'53	
	-9011 Dec 12 j 14:36	0°♎	
retrograde	-9010 Apr 11 j 11:04	17°♎11'57	
min. Earth dist.	-9010 Jun 10 j 06:00	12°♎15'19	4.06419 AU
opposition	-9010 Jun 11 j 01:45	12°♎08'43	-0°50'35
direct	-9010 Aug 08 j 11:09	7°♎14'34	
evening set	-9010 Dec 10 j 07:54	26°♎12'06	
conjunction	-9010 Dec 23 j 17:53	29°♎21'00	-0°58'57
minimum elong	-9010 Dec 23 j 17:48	29°♎20'57	0°59'09
max. Earth dist.	-9010 Dec 25 j 04:06	29°♎41'07	6.05712 AU
	-9010 Dec 26 j 12:13	0°♏	

Attention, astronomical year style is used: The year -9009 in astronomical counting style is the year 9010 BCE in historical counting style.

morning rise	-9009 Jan 06 j 07:02	2°♏31'35		
	-9009 Mar 05 j 16:14	15°♏		
retrograde	-9009 May 17 j 18:03	22°♏30'49		
opposition	-9009 Jul 16 j 14:25	17°♏25'45	-1°58'47	
min. Earth dist.	-9009 Jul 15 j 15:30	17°♏33'33	4.06443 AU	
	-9009 Aug 04 j 07:27	15℞♏		
direct	-9009 Sep 12 j 18:11	12°♏28'40		
	-9009 Oct 22 j 02:23	15°♏		
	-9008 Jan 09 j 04:49	0°♐		
evening set	-9008 Jan 16 j 03:24	1°♐35'51		
conjunction	-9008 Jan 29 j 18:34	4°♐45'42	-1°31'55	
minimum elong	-9008 Jan 29 j 18:31	4°♐45'41	1°32'23	
max. Earth dist.	-9008 Jan 31 j 06:04	5°♐06'20	6.08180 AU	
morning rise	-9008 Feb 12 j 11:41	7°♐56'27		
retrograde	-9008 Jun 20 j 21:39	27°♐30'35		
min. Earth dist.	-9008 Aug 18 j 09:51	22°♐32'58	4.11214 AU	
opposition	-9008 Aug 19 j 05:30	22°♐26'15	-2°22'59	
direct	-9008 Oct 16 j 19:50	17°♐25'45		
	-9007 Jan 22 j 14:19	0°♑		
evening set	-9007 Feb 20 j 23:28	6°♑29'15		
conjunction	-9007 Mar 06 j 16:42	9°♑37'04	-1°31'24	
minimum elong	-9007 Mar 06 j 16:45	9°♑37'06	1°31'58	
max. Earth dist.	-9007 Mar 07 j 15:16	9°♑49'58	6.14772 AU	
morning rise	-9007 Mar 20 j 10:01	12°♑44'44		
	-9007 Jun 23 j 17:19	0°♒		
retrograde	-9007 Jul 24 j 15:51	1°♒32'39		
	-9007 Aug 24 j 07:42	30℞♑		
opposition	-9007 Sep 21 j 17:46	26°♑31'09	-1°56'50	
min. Earth dist.	-9007 Sep 21 j 09:19	26°♑34'02	4.18930 AU	
direct	-9007 Nov 20 j 11:19	21°♑27'56		
	-9006 Feb 07 j 15:52	0°♒		
evening set	-9006 Mar 28 j 18:13	10°♒16'08		
conjunction	-9006 Apr 11 j 10:09	13°♒20'01	-0°59'42	
minimum elong	-9006 Apr 11 j 10:14	13°♒20'04	1°00'09	
max. Earth dist.	-9006 Apr 11 j 14:20	13°♒22'22	6.23057 AU	
	-9006 Apr 18 j 20:05	15°♒		
morning rise	-9006 Apr 24 j 23:51	16°♒22'42		
	-9006 Jul 03 j 07:57	0°♓		
retrograde	-9006 Aug 26 j 00:58	4°♓22'03		
	-9006 Oct 19 j 20:10	30℞♒		
opposition	-9006 Oct 24 j 06:55	29°♒24'26	-0°53'42	
min. Earth dist.	-9006 Oct 24 j 10:33	29°♒23'13	4.26948 AU	
direct	-9006 Dec 24 j 05:35	24°♒20'10		
	-9005 Feb 26 j 04:51	0°♓		
evening set	-9005 May 01 j 23:48	12°♓49'11		
conjunction	-9005 May 15 j 09:33	15°♓47'43	-0°09'47	
minimum elong	-9005 May 15 j 09:34	15°♓47'44	0°09'59	
behind sun begin	-9005 May 15 j 02:59	15°♓44'05		
behind sun end	-9005 May 15 j 16:09	15°♓51'22		
max. Earth dist.	-9005 May 14 j 16:50	15°♓38'25	6.30268 AU	
morning rise	-9005 May 28 j 16:10	18°♓44'34		
	-9005 Jul 23 j 10:00	0°♈		
asc. node	-9005 Jul 27 j 06:19	0°♈38'29		
retrograde	-9005 Sep 26 j 16:32	6°♈09'57		
opposition	-9005 Nov 25 j 08:30	1°♈15'47	0°23'50	
min. Earth dist.	-9005 Nov 26 j 00:35	1°♈10'31	4.32765 AU	
	-9005 Dec 05 j 02:36	30℞♓		
direct	-9004 Jan 26 j 08:54	26°♓12'14		
	-9004 Mar 18 j 08:34	0°♈		
evening set	-9004 Jun 02 j 17:25	14°♈25'34		
conjunction	-9004 Jun 15 j 18:01	17°♈18'38	0°42'12	
minimum elong	-9004 Jun 15 j 17:57	17°♈18'36	0°42'18	
max. Earth dist.	-9004 Jun 14 j 13:17	17°♈02'41	6.34232 AU	
morning rise	-9004 Jun 28 j 14:59	20°♈09'57		
	-9004 Aug 15 j 11:14	0°♉		
retrograde	-9004 Oct 27 j 03:41	7°♉24'07		
opposition	-9004 Dec 26 j 11:34	2°♉32'05	1°33'10	
min. Earth dist.	-9004 Dec 27 j 09:48	2°♉24'57	4.34703 AU	
	-9003 Jan 16 j 05:08	30℞♈		
direct	-9003 Feb 26 j 23:04	27°♈30'44		
	-9003 Apr 09 j 16:40	0°♉		
	-9003 Jul 01 j 16:50	15°♉		
evening set	-9003 Jul 04 j 09:58	15°♉36'02		
max. Earth dist.	-9003 Jul 15 j 15:22	18°♉06'15	6.33880 AU	
conjunction	-9003 Jul 17 j 01:04	18°♉25'07	1°21'28	
minimum elong	-9003 Jul 17 j 01:00	18°♉25'05	1°21'50	
morning rise	-9003 Jul 29 j 13:40	21°♉13'00		
	-9003 Sep 09 j 09:38	0°♊		
retrograde	-9003 Nov 28 j 07:54	8°♊39'29		
opposition	-9002 Jan 28 j 05:19	3°♊47'52	2°15'44	
min. Earth dist.	-9002 Jan 29 j 05:09	3°♊40'18	4.32210 AU	
	-9002 Mar 03 j 09:50	30℞♉		
direct	-9002 Mar 31 j 14:36	28°♉49'29		
	-9002 Apr 28 j 17:34	0°♊		
evening set	-9002 Aug 04 j 15:17	16°♊54'52		
max. Earth dist.	-9002 Aug 15 j 20:31	19°♊27'05	6.29346 AU	
conjunction	-9002 Aug 17 j 01:06	19°♊43'18	1°37'14	
minimum elong	-9002 Aug 17 j 01:05	19°♊43'18	1°37'46	
morning rise	-9002 Aug 29 j 09:57	22°♊31'21		
	-9002 Oct 03 j 00:18	0°♋		
retrograde	-9002 Dec 31 j 13:58	10°♋29'45		
opposition	-9001 Mar 02 j 22:25	5°♋36'34	2°18'51	
min. Earth dist.	-9001 Mar 03 j 14:23	5°♋31'30	4.25998 AU	
direct	-9001 May 03 j 12:15	0°♋41'10		
evening set	-9001 Sep 05 j 02:26	18°♋53'37		
conjunction	-9001 Sep 17 j 13:19	21°♋45'25	1°23'57	
minimum elong	-9001 Sep 17 j 13:23	21°♋45'28	1°24'30	
max. Earth dist.	-9001 Sep 16 j 23:01	21°♋37'11	6.21978 AU	
morning rise	-9001 Sep 30 j 01:02	24°♋37'51		
	-9001 Oct 24 j 01:38	0°♌		
retrograde	-9000 Feb 04 j 07:22	13°♌19'42		
opposition	-9000 Apr 05 j 16:56	8°♌23'23	1°38'24	
min. Earth dist.	-9000 Apr 05 j 21:30	8°♌21'55	4.17915 AU	
direct	-9000 Jun 05 j 03:47	3°♌30'03		
	-9000 Sep 05 j 15:34	15°♌		
evening set	-9000 Oct 06 j 13:31	21°♌55'16		
conjunction	-9000 Oct 19 j 07:08	24°♌53'29	0°43'32	
minimum elong	-9000 Oct 19 j 07:11	24°♌53'31	0°43'54	
max. Earth dist.	-9000 Oct 19 j 10:35	24°♌55'30	6.13962 AU	
morning rise	-9000 Nov 01 j 03:29	27°♌53'13		
	-9000 Nov 10 j 07:34	0°♍		
retrograde	-8999 Mar 11 j 02:28	17°♍18'29		
opposition	-8999 May 11 j 06:16	12°♍18'13	0°23'24	
min. Earth dist.	-8999 May 10 j 19:47	12°♍21'39	4.10534 AU	
direct	-8999 Jul 09 j 10:44	7°♍25'18		
desc. node	-8999 Aug 27 j 01:18	11°♍07'14		
evening set	-8999 Nov 09 j 14:51	26°♍07'16		
conjunction	-8999 Nov 22 j 17:46	29°♍12'12	-0°12'43	
minimum elong	-8999 Nov 22 j 17:45	29°♍12'11	0°12'39	
behind sun begin	-8999 Nov 22 j 12:32	29°♍09'08		
behind sun end	-8999 Nov 22 j 22:58	29°♍15'15		
max. Earth dist.	-8999 Nov 23 j 16:54	29°♍25'49	6.07930 AU	
	-8999 Nov 26 j 02:59	0°♎		
morning rise	-8999 Dec 06 j 00:06	2°♎19'02		

Attention, astronomical year style is used: The year -8998 in astronomical counting style is the year 8999 BCE in historical counting style.

retrograde	-8998 Apr 16 j 14:07	22°♎13'30	
min. Earth dist.	-8998 Jun 15 j 05:52	17°♎16'31	4.06422 AU
opposition	-8998 Jun 16 j 01:44	17°♎09'51	-1°01'52
direct	-8998 Aug 13 j 10:41	12°♎15'20	
	-8998 Dec 10 j 02:58	0°♏	
evening set	-8998 Dec 15 j 09:30	1°♏13'34	
conjunction	-8998 Dec 28 j 20:16	4°♏22'39	-1°05'12
minimum elong	-8998 Dec 28 j 20:11	4°♏22'35	1°05'27
max. Earth dist.	-8998 Dec 30 j 07:13	4°♏43'09	6.06035 AU
morning rise	-8997 Jan 11 j 10:13	7°♏33'21	
	-8997 Feb 13 j 13:54	15°♏	
retrograde	-8997 May 22 j 15:44	27°♏29'47	
min. Earth dist.	-8997 Jul 20 j 11:38	22°♏32'37	4.07080 AU
opposition	-8997 Jul 21 j 11:00	22°♏24'40	-2°05'05
direct	-8997 Sep 17 j 14:27	17°♏27'07	
	-8997 Dec 22 j 23:14	0°♐	
evening set	-8996 Jan 21 j 05:55	6°♐33'48	
conjunction	-8996 Feb 03 j 21:25	9°♐43'24	-1°33'54
minimum elong	-8996 Feb 03 j 21:23	9°♐43'22	1°34'24
max. Earth dist.	-8996 Feb 05 j 06:35	10°♐02'38	6.09038 AU
morning rise	-8996 Feb 17 j 14:44	12°♐53'47	
	-8996 May 17 j 21:22	0°♑	
retrograde	-8996 Jun 25 j 15:26	2°♑22'09	
	-8996 Aug 03 j 01:44	30°℞♐	
opposition	-8996 Aug 23 j 22:00	27°♐18'05	-2°22'12
min. Earth dist.	-8996 Aug 23 j 04:33	27°♐24'04	4.12201 AU
direct	-8996 Oct 21 j 16:32	22°♐17'07	
	-8995 Jan 03 j 04:49	0°♑	
evening set	-8995 Feb 25 j 23:31	11°♑19'03	
conjunction	-8995 Mar 11 j 16:58	14°♑26'30	-1°28'39
minimum elong	-8995 Mar 11 j 17:02	14°♑26'32	1°29'13
max. Earth dist.	-8995 Mar 12 j 14:02	14°♑38'30	6.15817 AU
morning rise	-8995 Mar 25 j 09:53	17°♑33'35	
	-8995 May 24 j 21:22	0°♒	
retrograde	-8995 Jul 29 j 05:03	6°♒14'56	
opposition	-8995 Sep 26 j 06:41	1°♒14'02	-1°49'52
min. Earth dist.	-8995 Sep 25 j 23:41	1°♒16'24	4.19930 AU
	-8995 Oct 05 j 11:23	30°℞♑	
direct	-8995 Nov 25 j 03:19	26°♑10'36	
	-8994 Jan 14 j 23:03	0°♒	
evening set	-8994 Apr 02 j 14:11	14°♒56'58	
	-8994 Apr 02 j 19:37	15°♒	
conjunction	-8994 Apr 16 j 05:26	18°♒00'17	-0°53'31
minimum elong	-8994 Apr 16 j 05:31	18°♒00'19	0°53'57
max. Earth dist.	-8994 Apr 16 j 04:56	17°♒59'59	6.23941 AU
morning rise	-8994 Apr 29 j 18:37	21°♒02'22	
	-8994 Jun 11 j 05:50	0°♓	
retrograde	-8994 Aug 30 j 12:27	8°♓56'56	
opposition	-8994 Oct 28 j 18:26	3°♓59'52	-0°43'17
min. Earth dist.	-8994 Oct 29 j 00:43	3°♓57'46	4.27643 AU
	-8994 Dec 02 j 15:01	30°℞♒	
direct	-8994 Dec 28 j 21:28	28°♒55'36	
	-8993 Jan 24 j 10:39	0°♓	
evening set	-8993 May 06 j 15:15	17°♓23'15	
max. Earth dist.	-8993 May 19 j 06:36	20°♓11'29	6.30739 AU
conjunction	-8993 May 20 j 00:06	20°♓21'13	-0°02'19
minimum elong	-8993 May 20 j 00:06	20°♓21'13	0°02'29
behind sun begin	-8993 May 19 j 15:56	20°♓16'41	
behind sun end	-8993 May 20 j 08:17	20°♓25'44	
morning rise	-8993 Jun 02 j 05:22	23°♓17'22	
asc. node	-8993 Jun 05 j 22:24	24°♓06'25	
	-8993 Jul 03 j 16:36	0°♈	

retrograde	-8993 Oct 01 j 02:09	10°♈40'53	
opposition	-8993 Nov 29 j 20:16	5°♈47'09	0°34'29
min. Earth dist.	-8993 Nov 30 j 12:41	5°♈41'48	4.32999 AU
direct	-8992 Jan 30 j 21:40	0°♈43'56	
evening set	-8992 Jun 07 j 05:57	18°♈56'43	
max. Earth dist.	-8992 Jun 18 j 22:21	21°♈32'08	6.34207 AU
conjunction	-8992 Jun 20 j 05:01	21°♈49'11	0°48'46
minimum elong	-8992 Jun 20 j 04:57	21°♈49'09	0°48'53
morning rise	-8992 Jul 03 j 00:52	24°♈40'01	
	-8992 Jul 27 j 19:01	0°♉	
retrograde	-8992 Oct 31 j 17:01	11°♉55'18	
opposition	-8992 Dec 31 j 01:32	7°♉03'28	1°41'07
min. Earth dist.	-8991 Jan 01 j 00:56	6°♉55'58	4.34445 AU
direct	-8991 Mar 03 j 14:02	2°♉02'31	
	-8991 Jun 15 j 03:53	15°♉	
evening set	-8991 Jul 08 j 20:27	20°♉07'54	
max. Earth dist.	-8991 Jul 20 j 02:15	22°♉38'35	6.33397 AU
conjunction	-8991 Jul 21 j 10:39	22°♉56'45	1°25'17
minimum elong	-8991 Jul 21 j 10:35	22°♉56'43	1°25'41
morning rise	-8991 Aug 02 j 22:20	25°♉44'26	
	-8991 Aug 22 j 09:40	0°♊	
retrograde	-8991 Dec 02 j 22:18	13°♊14'29	
opposition	-8990 Feb 01 j 22:19	8°♊22'43	2°18'44
min. Earth dist.	-8990 Feb 02 j 20:12	8°♊15'47	4.31558 AU
direct	-8990 Apr 05 j 04:34	3°♊24'50	
evening set	-8990 Aug 09 j 01:32	21°♊30'36	
max. Earth dist.	-8990 Aug 20 j 08:29	24°♊04'07	6.28565 AU
conjunction	-8990 Aug 21 j 11:00	24°♊19'11	1°37'08
minimum elong	-8990 Aug 21 j 11:00	24°♊19'11	1°37'41
morning rise	-8990 Sep 02 j 19:48	27°♊07'33	
	-8990 Sep 15 j 16:26	0°♋	
retrograde	-8989 Jan 05 j 10:16	15°♋11'01	
opposition	-8989 Mar 07 j 18:48	10°♋17'28	2°15'41
min. Earth dist.	-8989 Mar 08 j 10:04	10°♋12'37	4.25113 AU
direct	-8989 May 08 j 06:27	5°♋22'26	
evening set	-8989 Sep 09 j 14:23	23°♋35'35	
conjunction	-8989 Sep 22 j 01:52	26°♋28'03	1°19'44
minimum elong	-8989 Sep 22 j 01:56	26°♋28'05	1°20'16
max. Earth dist.	-8989 Sep 21 j 13:28	26°♋20'53	6.21063 AU
morning rise	-8989 Oct 04 j 14:33	29°♋21'17	
	-8989 Oct 07 j 10:11	0°♌	
	-8989 Dec 24 j 21:37	15°♌	
retrograde	-8988 Feb 09 j 04:30	18°♌08'30	
	-8988 Mar 27 j 06:10	15°℞♌	
opposition	-8988 Apr 10 j 15:23	13°♌11'39	1°29'32
min. Earth dist.	-8988 Apr 10 j 17:01	13°♌11'07	4.17023 AU
direct	-8988 Jun 09 j 21:31	8°♌18'29	
	-8988 Aug 16 j 19:14	15°♌	
evening set	-8988 Oct 11 j 05:18	26°♌45'02	
conjunction	-8988 Oct 24 j 00:10	29°♌44'08	0°36'15
minimum elong	-8988 Oct 24 j 00:13	29°♌44'10	0°36'36
max. Earth dist.	-8988 Oct 24 j 06:49	29°♌48'01	6.13177 AU
	-8988 Oct 25 j 03:17	0°♍	
morning rise	-8988 Nov 05 j 21:47	2°♍44'49	
retrograde	-8987 Mar 16 j 04:48	22°♍14'29	
opposition	-8987 May 16 j 05:56	17°♍13'42	0°11'26
min. Earth dist.	-8987 May 15 j 18:46	17°♍17'22	4.09901 AU
desc. node	-8987 Jul 07 j 13:42	12°♍25'14	
direct	-8987 Jul 14 j 08:20	12°♍20'37	
	-8987 Nov 09 j 21:18	0°♎	
evening set	-8987 Nov 14 j 11:46	1°♎04'24	

Attention, astronomical year style is used: The year -8987 in astronomical counting style is the year 8988 BCE in historical counting style.

conjunction	-8987 Nov 27 j 15:53	4°♎10'02	-0°20'43
minimum elong	-8987 Nov 27 j 15:51	4°♎10'01	0°20'42
max. Earth dist.	-8987 Nov 28 j 16:45	4°♎24'39	6.07510 AU
morning rise	-8987 Dec 10 j 23:32	7°♎17'36	
retrograde	-8986 Apr 21 j 14:37	27°♎13'43	
min. Earth dist.	-8986 Jun 20 j 03:16	22°♎16'51	4.06281 AU
opposition	-8986 Jun 21 j 00:27	22°♎09'44	-1°12'39
direct	-8986 Aug 18 j 06:34	17°♎14'52	
	-8986 Nov 22 j 22:38	0°♏	
evening set	-8986 Dec 20 j 11:09	6°♏14'45	
conjunction	-8985 Jan 02 j 22:42	9°♏24'05	-1°10'57
minimum elong	-8985 Jan 02 j 22:37	9°♏24'02	1°11'16
max. Earth dist.	-8985 Jan 04 j 09:05	9°♏44'15	6.06160 AU
morning rise	-8985 Jan 16 j 13:22	12°♏34'58	
	-8985 Jan 27 j 00:54	15°♏	
	-8985 Apr 17 j 13:33	0°♐	
retrograde	-8985 May 27 j 13:55	2°♐29'23	
	-8985 Jul 06 j 06:53	30°℞♏	
min. Earth dist.	-8985 Jul 25 j 08:49	27°♏31'52	4.07463 AU
opposition	-8985 Jul 26 j 07:13	27°♏24'13	-2°10'31
direct	-8985 Sep 22 j 12:24	22°♏26'07	
	-8985 Dec 03 j 05:48	0°♐	
evening set	-8984 Jan 26 j 09:08	11°♐33'22	
conjunction	-8984 Feb 09 j 01:16	14°♐42'55	-1°35'15
minimum elong	-8984 Feb 09 j 01:15	14°♐42'55	1°35'45
max. Earth dist.	-8984 Feb 10 j 10:18	15°♐02'02	6.09646 AU
morning rise	-8984 Feb 22 j 18:40	17°♐53'03	
	-8984 Apr 20 j 05:11	0°♑	
retrograde	-8984 Jun 30 j 10:45	7°♑16'15	
opposition	-8984 Aug 28 j 15:09	2°♑12'33	-2°20'27
min. Earth dist.	-8984 Aug 27 j 22:53	2°♑18'06	4.12971 AU
	-8984 Sep 14 j 09:13	30°℞♐	
direct	-8984 Oct 26 j 12:11	27°♐11'09	
	-8984 Dec 07 j 22:12	0°♑	
evening set	-8983 Mar 03 j 00:54	16°♑12'11	
conjunction	-8983 Mar 16 j 18:13	19°♑19'16	-1°25'16
minimum elong	-8983 Mar 16 j 18:18	19°♑19'18	1°25'49
max. Earth dist.	-8983 Mar 17 j 11:07	19°♑28'53	6.16675 AU
morning rise	-8983 Mar 30 j 11:06	22°♑25'55	
	-8983 May 04 j 07:14	0°♒	
retrograde	-8983 Aug 02 j 19:39	11°♒01'19	
opposition	-8983 Sep 30 j 21:20	6°♒00'52	-1°42'05
min. Earth dist.	-8983 Sep 30 j 16:19	6°♒02'34	4.20783 AU
direct	-8983 Nov 29 j 22:15	0°♒57'09	
	-8982 Mar 16 j 23:02	15°♒	
evening set	-8982 Apr 07 j 11:29	19°♒41'54	
conjunction	-8982 Apr 21 j 02:19	22°♒44'42	-0°46'53
minimum elong	-8982 Apr 21 j 02:23	22°♒44'44	0°47'16
max. Earth dist.	-8982 Apr 21 j 00:29	22°♒43'40	6.24753 AU
morning rise	-8982 May 04 j 14:31	25°♒46'06	
	-8982 May 23 j 22:40	0°♓	
retrograde	-8982 Sep 04 j 00:54	13°♓36'00	
opposition	-8982 Nov 02 j 07:41	8°♓39'28	-0°32'24
min. Earth dist.	-8982 Nov 02 j 15:05	8°♓37'01	4.28342 AU
direct	-8981 Jan 02 j 13:34	3°♓35'18	
asc. node	-8981 Apr 14 j 15:39	16°♓17'37	
evening set	-8981 May 11 j 08:25	22°♓01'17	
conjunction	-8981 May 24 j 15:56	24°♓58'30	0°05'25
minimum elong	-8981 May 24 j 15:56	24°♓58'30	0°05'18
behind sun begin	-8981 May 24 j 08:03	24°♓54'09	
behind sun end	-8981 May 24 j 23:49	25°♓02'52	
max. Earth dist.	-8981 May 23 j 19:24	24°♓47'06	6.31282 AU
morning rise	-8981 Jun 06 j 20:08	27°♓53'58	
	-8981 Jun 16 j 09:55	0°♈	
retrograde	-8981 Oct 05 j 14:19	15°♈15'21	
opposition	-8981 Dec 04 j 09:55	10°♈21'56	0°45'06
min. Earth dist.	-8981 Dec 05 j 03:36	10°♈16'11	4.33377 AU
direct	-8980 Feb 04 j 13:51	5°♈18'57	
evening set	-8980 Jun 11 j 19:05	23°♈30'18	
max. Earth dist.	-8980 Jun 23 j 11:24	26°♈05'42	6.34400 AU
conjunction	-8980 Jun 24 j 16:56	26°♈22'08	0°55'06
minimum elong	-8980 Jun 24 j 16:52	26°♈22'05	0°55'17
morning rise	-8980 Jul 07 j 11:18	29°♈12'18	
	-8980 Jul 11 j 01:50	0°♉	
	-8980 Oct 05 j 10:35	15°♉	
retrograde	-8980 Nov 05 j 04:46	16°♉27'59	
	-8980 Dec 06 j 03:52	15°℞♉	
opposition	-8979 Jan 04 j 16:32	11°♉36'15	1°48'31
min. Earth dist.	-8979 Jan 05 j 14:59	11°♉29'05	4.34464 AU
direct	-8979 Mar 08 j 04:39	6°♉35'46	
	-8979 May 27 j 17:07	15°♉	
evening set	-8979 Jul 13 j 07:02	24°♉39'55	
max. Earth dist.	-8979 Jul 24 j 11:24	27°♉10'02	6.33221 AU
conjunction	-8979 Jul 25 j 20:01	27°♉28'20	1°28'35
minimum elong	-8979 Jul 25 j 19:57	27°♉28'18	1°29'01
	-8979 Aug 06 j 02:46	0°♊	
morning rise	-8979 Aug 07 j 06:59	0°♊15'45	
retrograde	-8979 Dec 07 j 14:08	17°♊48'23	
opposition	-8978 Feb 06 j 15:26	12°♊56'27	2°20'49
min. Earth dist.	-8978 Feb 07 j 13:13	12°♊49'32	4.31197 AU
direct	-8978 Apr 09 j 21:12	7°♊58'56	
evening set	-8978 Aug 13 j 10:56	26°♊03'58	
conjunction	-8978 Aug 25 j 20:20	28°♊52'42	1°36'25
minimum elong	-8978 Aug 25 j 20:21	28°♊52'42	1°37'00
max. Earth dist.	-8978 Aug 24 j 19:58	28°♊38'50	6.28044 AU
	-8978 Aug 30 j 18:38	0°♋	
morning rise	-8978 Sep 07 j 05:09	1°♋41'18	
retrograde	-8977 Jan 10 j 02:52	19°♋48'52	
opposition	-8977 Mar 12 j 13:49	14°♋54'54	2°11'38
min. Earth dist.	-8977 Mar 13 j 02:43	14°♋50'48	4.24461 AU
direct	-8977 May 12 j 21:38	10°♋00'13	
evening set	-8977 Sep 14 j 01:02	28°♋13'26	
	-8977 Sep 21 j 18:08	0°♌	
conjunction	-8977 Sep 26 j 13:09	1°♌06'30	1°15'03
minimum elong	-8977 Sep 26 j 13:13	1°♌06'33	1°15'33
max. Earth dist.	-8977 Sep 26 j 02:46	1°♌00'30	6.20332 AU
morning rise	-8977 Oct 09 j 02:45	4°♌00'28	
	-8977 Nov 29 j 21:41	15°♌	
retrograde	-8976 Feb 14 j 02:41	22°♌52'37	
opposition	-8976 Apr 15 j 12:20	17°♌55'14	1°20'10
min. Earth dist.	-8976 Apr 15 j 13:07	17°♌54'59	4.16231 AU
	-8976 May 09 j 20:19	15°℞♌	
direct	-8976 Jun 14 j 15:47	13°♌02'08	
	-8976 Jul 19 j 22:41	15°♌	
	-8976 Oct 09 j 08:09	0°♍	
evening set	-8976 Oct 15 j 19:35	1°♍29'58	
conjunction	-8976 Oct 28 j 15:40	4°♍29'56	0°28'49
minimum elong	-8976 Oct 28 j 15:43	4°♍29'57	0°29'07
max. Earth dist.	-8976 Oct 29 j 00:27	4°♍35'03	6.12410 AU
morning rise	-8976 Nov 10 j 14:40	7°♍31'34	
retrograde	-8975 Mar 21 j 03:47	27°♍05'33	
desc. node	-8975 May 19 j 02:52	22°♍20'19	
opposition	-8975 May 21 j 03:27	22°♍04'20	-0°00'27
min. Earth dist.	-8975 May 20 j 14:36	22°♍08'34	4.09233 AU

Attention, astronomical year style is used: The year -8975 in astronomical counting style is the year 8976 BCE in historical counting style.

direct	-8975 Jul 19 j 01:25	17°♍11'09	
	-8975 Oct 24 j 04:36	0°♎	
evening set	-8975 Nov 19 j 07:48	5°♎57'21	
conjunction	-8975 Dec 02 j 13:00	9°♎03'43	-0°28'28
minimum elong	-8975 Dec 02 j 12:57	9°♎03'41	0°28'28
max. Earth dist.	-8975 Dec 03 j 14:24	9°♎18'40	6.06990 AU
morning rise	-8975 Dec 15 j 21:50	12°♎12'00	
	-8974 Mar 20 j 00:18	0°♏	
retrograde	-8974 Apr 26 j 13:50	2°♏10'19	
	-8974 Jun 02 j 21:56	30°℞♎	
opposition	-8974 Jun 25 j 21:30	27°♎06'04	-1°22'46
min. Earth dist.	-8974 Jun 25 j 00:14	27°♎13'14	4.05969 AU
direct	-8974 Aug 23 j 02:38	22°♎10'48	
	-8974 Nov 03 j 17:16	0°♏	
evening set	-8974 Dec 25 j 12:07	11°♏13'23	
conjunction	-8973 Jan 08 j 00:40	14°♏23'08	-1°16'07
minimum elong	-8973 Jan 08 j 00:35	14°♏23'04	1°16'28
max. Earth dist.	-8973 Jan 09 j 12:23	14°♏44'02	6.06085 AU
	-8973 Jan 10 j 15:38	15°♏	
morning rise	-8973 Jan 21 j 15:54	17°♏34'17	
	-8973 Mar 20 j 23:45	0°♐	
retrograde	-8973 Jun 01 j 12:54	7°♐27'22	
min. Earth dist.	-8973 Jul 30 j 05:06	2°♐29'47	4.07662 AU
opposition	-8973 Jul 31 j 02:49	2°♐22'22	-2°14'56
	-8973 Aug 18 j 06:16	30°℞♏	
direct	-8973 Sep 27 j 08:38	27°♏23'52	
	-8973 Nov 06 j 12:19	0°♐	
evening set	-8972 Jan 31 j 12:24	16°♐32'30	
conjunction	-8972 Feb 14 j 04:48	19°♐42'02	-1°35'50
minimum elong	-8972 Feb 14 j 04:48	19°♐42'01	1°36'23
max. Earth dist.	-8972 Feb 15 j 11:01	19°♐59'29	6.10086 AU
morning rise	-8972 Feb 27 j 22:34	22°♐52'04	
	-8972 Mar 31 j 02:56	0°♑	
retrograde	-8972 Jul 05 j 04:39	12°♑10'46	
opposition	-8972 Sep 02 j 08:22	7°♑07'26	-2°17'41
min. Earth dist.	-8972 Sep 01 j 17:01	7°♑12'41	4.13619 AU
direct	-8972 Oct 31 j 08:24	2°♑05'38	
evening set	-8971 Mar 08 j 02:30	21°♑06'12	
conjunction	-8971 Mar 21 j 19:55	24°♑12'57	-1°21'15
minimum elong	-8971 Mar 21 j 19:59	24°♑13'00	1°21'47
max. Earth dist.	-8971 Mar 22 j 11:41	24°♑21'55	6.17510 AU
morning rise	-8971 Apr 04 j 12:18	27°♑19'06	
	-8971 Apr 16 j 12:26	0°♒	
	-8971 Jul 16 j 06:02	15°♒	
retrograde	-8971 Aug 07 j 11:24	15°♒48'32	
	-8971 Aug 29 j 11:09	15°℞♒	
opposition	-8971 Oct 05 j 12:13	10°♒48'38	-1°33'34
min. Earth dist.	-8971 Oct 05 j 08:52	10°♒49'46	4.21708 AU
direct	-8971 Dec 04 j 16:51	5°♒44'48	
	-8970 Feb 26 j 06:51	15°♒	
evening set	-8970 Apr 12 j 08:50	24°♒27'27	
conjunction	-8970 Apr 25 j 22:52	27°♒29'34	-0°39'54
minimum elong	-8970 Apr 25 j 22:56	27°♒29'36	0°40'16
max. Earth dist.	-8970 Apr 25 j 18:05	27°♒26'54	6.25699 AU
	-8970 May 07 j 03:58	0°♓	
morning rise	-8970 May 09 j 10:16	0°♓30'14	
retrograde	-8970 Sep 08 j 12:00	18°♓15'05	
opposition	-8970 Nov 06 j 21:00	13°♓18'57	-0°21'19
min. Earth dist.	-8970 Nov 07 j 05:33	13°♓16'07	4.29222 AU
direct	-8969 Jan 07 j 06:22	8°♓14'48	
asc. node	-8969 Feb 21 j 16:55	11°♓13'37	
evening set	-8969 May 16 j 00:25	26°♓38'13	
max. Earth dist.	-8969 May 28 j 09:39	29°♓22'54	6.32024 AU
conjunction	-8969 May 29 j 06:43	29°♓34'36	0°12'57
minimum elong	-8969 May 29 j 06:41	29°♓34'35	0°12'51
behind sun begin	-8969 May 29 j 01:42	29°♓31'50	
behind sun end	-8969 May 29 j 11:40	29°♓37'21	
	-8969 May 31 j 04:24	0°♈	
morning rise	-8969 Jun 11 j 09:25	2°♈29'10	
retrograde	-8969 Oct 10 j 00:40	19°♈47'55	
opposition	-8969 Dec 08 j 22:44	14°♈54'49	0°55'22
min. Earth dist.	-8969 Dec 09 j 17:16	14°♈48'48	4.33905 AU
direct	-8968 Feb 09 j 05:04	9°♈52'07	
evening set	-8968 Jun 16 j 06:51	28°♈01'26	
	-8968 Jun 25 j 04:45	0°♉	
max. Earth dist.	-8968 Jun 27 j 19:27	0°♉34'53	6.34627 AU
conjunction	-8968 Jun 29 j 03:10	0°♉52'32	1°01'04
minimum elong	-8968 Jun 29 j 03:05	0°♉52'29	1°01'18
morning rise	-8968 Jul 11 j 20:23	3°♉42'04	
	-8968 Sep 05 j 23:55	15°♉	
retrograde	-8968 Nov 09 j 16:42	20°♉58'18	
opposition	-8967 Jan 09 j 06:25	16°♉06'35	1°55'14
min. Earth dist.	-8967 Jan 10 j 05:35	15°♉59'11	4.34380 AU
	-8967 Jan 18 j 00:41	15°℞♉	
direct	-8967 Mar 12 j 19:18	11°♉06'25	
	-8967 May 04 j 13:43	15°♉	
evening set	-8967 Jul 17 j 16:09	29°♉09'50	
	-8967 Jul 21 j 10:03	0°♊	
max. Earth dist.	-8967 Jul 28 j 21:23	1°♊40'34	6.32812 AU
conjunction	-8967 Jul 30 j 04:25	1°♊58'01	1°31'23
minimum elong	-8967 Jul 30 j 04:22	1°♊57'59	1°31'50
morning rise	-8967 Aug 11 j 14:32	4°♊45'16	
retrograde	-8967 Dec 12 j 03:55	22°♊21'26	
opposition	-8966 Feb 11 j 07:52	17°♊29'19	2°22'09
min. Earth dist.	-8966 Feb 12 j 04:41	17°♊22'44	4.30489 AU
direct	-8966 Apr 14 j 11:19	12°♊32'15	
	-8966 Aug 15 j 01:10	0°♋	
evening set	-8966 Aug 17 j 20:12	0°♋37'49	
max. Earth dist.	-8966 Aug 29 j 05:25	3°♋13'12	6.27080 AU
conjunction	-8966 Aug 30 j 05:26	3°♋26'54	1°35'10
minimum elong	-8966 Aug 30 j 05:28	3°♋26'55	1°35'44
morning rise	-8966 Sep 11 j 14:38	6°♋16'02	
retrograde	-8965 Jan 14 j 23:06	24°♋29'29	
opposition	-8965 Mar 17 j 09:52	19°♋35'06	2°06'49
min. Earth dist.	-8965 Mar 17 j 21:57	19°♋31'15	4.23283 AU
direct	-8965 May 17 j 14:43	14°♋40'37	
	-8965 Sep 05 j 16:05	0°♌	
evening set	-8965 Sep 18 j 13:15	2°♌55'49	
conjunction	-8965 Oct 01 j 02:22	5°♌49'49	1°09'50
minimum elong	-8965 Oct 01 j 02:27	5°♌49'52	1°10'19
max. Earth dist.	-8965 Sep 30 j 18:54	5°♌45'29	6.19063 AU
morning rise	-8965 Oct 13 j 17:03	8°♌44'49	
	-8965 Nov 10 j 17:10	15°♌	
retrograde	-8964 Feb 19 j 02:43	27°♌43'38	
opposition	-8964 Apr 20 j 11:30	22°♌45'45	1°10'06
min. Earth dist.	-8964 Apr 20 j 10:17	22°♌46'09	4.14962 AU
direct	-8964 Jun 19 j 09:51	17°♌52'45	
	-8964 Sep 22 j 06:12	0°♍	
evening set	-8964 Oct 20 j 13:43	6°♍23'40	
conjunction	-8964 Nov 02 j 11:01	9°♍24'42	0°20'59
minimum elong	-8964 Nov 02 j 11:03	9°♍24'43	0°21'15
max. Earth dist.	-8964 Nov 02 j 21:30	9°♍30'50	6.11260 AU
morning rise	-8964 Nov 15 j 11:34	12°♍27'31	

Attention, astronomical year style is used: The year -8963 in astronomical counting style is the year 8964 BCE in historical counting style.

	-8963 Feb 16 j 21:30	0°♎		
retrograde	-8963 Mar 26 j 07:16	2°♎07'05		
desc. node	-8963 Mar 28 j 23:49	2°♎06'23		
	-8963 May 02 j 15:06	30°℞♍		
opposition	-8963 May 26 j 04:48	27°♍05'19	-0°12'44	
min. Earth dist.	-8963 May 25 j 14:22	27°♍10'06	4.08300 AU	
direct	-8963 Jul 23 j 23:31	22°♍11'57		
	-8963 Oct 04 j 15:58	0°♎		
evening set	-8963 Nov 24 j 08:33	11°♎01'33		
conjunction	-8963 Dec 07 j 15:07	14°♎08'44	-0°36'17	
minimum elong	-8963 Dec 07 j 15:03	14°♎08'42	0°36'21	
max. Earth dist.	-8963 Dec 08 j 20:01	14°♎25'45	6.06381 AU	
morning rise	-8963 Dec 21 j 01:03	17°♎17'46		
	-8962 Feb 18 j 15:15	0°♏		
retrograde	-8962 May 01 j 18:39	7°♏17'59		
opposition	-8962 Jun 30 j 22:52	2°♏13'32	-1°32'39	
min. Earth dist.	-8962 Jun 30 j 00:58	2°♏20'56	4.05790 AU	
	-8962 Jul 18 j 01:55	30°℞♎		
direct	-8962 Aug 28 j 02:35	27°♎17'59		
	-8962 Oct 07 j 20:11	0°♏		
	-8962 Dec 24 j 19:38	15°♏		
evening set	-8962 Dec 30 j 18:07	16°♏22'32		
conjunction	-8961 Jan 13 j 07:14	19°♏32'26	-1°20'55	
minimum elong	-8961 Jan 13 j 07:09	19°♏32'23	1°21'18	
max. Earth dist.	-8961 Jan 14 j 18:25	19°♏53'01	6.06354 AU	
morning rise	-8961 Jan 26 j 23:12	22°♏43'42		
	-8961 Feb 28 j 09:50	0°♐		
retrograde	-8961 Jun 06 j 12:25	12°♐33'21		
min. Earth dist.	-8961 Aug 04 j 02:57	7°♐36'05	4.08403 AU	
opposition	-8961 Aug 05 j 01:18	7°♐28'26	-2°18'27	
direct	-8961 Oct 02 j 08:39	2°♐29'28		
evening set	-8960 Feb 05 j 18:21	21°♐37'06		
conjunction	-8960 Feb 19 j 11:10	24°♐46'15	-1°35'47	
minimum elong	-8960 Feb 19 j 11:11	24°♐46'15	1°36'20	
max. Earth dist.	-8960 Feb 20 j 17:31	25°♐03'44	6.11263 AU	
morning rise	-8960 Mar 04 j 04:45	27°♐55'41		
	-8960 Mar 13 j 07:46	0°♑		
retrograde	-8960 Jul 10 j 00:00	17°♑06'33		
opposition	-8960 Sep 07 j 02:26	12°♑03'36	-2°13'53	
min. Earth dist.	-8960 Sep 06 j 12:39	12°♑08'19	4.15110 AU	
direct	-8960 Nov 05 j 06:48	7°♑01'28		
evening set	-8959 Mar 13 j 03:26	25°♑58'02		
conjunction	-8959 Mar 26 j 20:31	29°♑03'58	-1°16'44	
minimum elong	-8959 Mar 26 j 20:36	29°♑04'01	1°17'15	
max. Earth dist.	-8959 Mar 27 j 09:46	29°♑11'28	6.19191 AU	
	-8959 Mar 30 j 23:31	0°♒		
morning rise	-8959 Apr 09 j 12:25	2°♒09'09		
	-8959 Jun 12 j 02:17	15°♒		
retrograde	-8959 Aug 11 j 21:52	20°♒29'42		
opposition	-8959 Oct 10 j 01:15	15°♒30'17	-1°24'36	
min. Earth dist.	-8959 Oct 09 j 22:49	15°♒31'06	4.23416 AU	
	-8959 Oct 13 j 19:16	15°℞♒		
direct	-8959 Dec 09 j 10:08	10°♒26'16		
	-8958 Feb 03 j 19:37	15°♒		
evening set	-8958 Apr 17 j 02:28	29°♒03'59		
	-8958 Apr 21 j 07:23	0°♓		
conjunction	-8958 Apr 30 j 15:32	2°♓05'02	-0°32'55	
minimum elong	-8958 Apr 30 j 15:35	2°♓05'04	0°33'13	
max. Earth dist.	-8958 Apr 30 j 08:00	2°♓00'51	6.27310 AU	
morning rise	-8958 May 14 j 01:47	5°♓04'34		
retrograde	-8958 Sep 12 j 19:58	22°♓42'41		
opposition	-8958 Nov 11 j 06:25	17°♓47'04	-0°10'33	
min. Earth dist.	-8958 Nov 11 j 17:24	17°♓43'27	4.30586 AU	
asc. node	-8957 Jan 03 j 03:00	12°♓50'07		
direct	-8957 Jan 11 j 20:33	12°♓43'02		
	-8957 May 15 j 17:30	0°♈		
evening set	-8957 May 20 j 11:19	1°♈02'26		
conjunction	-8957 Jun 02 j 16:16	3°♈57'51	0°20'04	
minimum elong	-8957 Jun 02 j 16:14	3°♈57'50	0°20'03	
max. Earth dist.	-8957 Jun 01 j 16:03	3°♈44'25	6.33014 AU	
morning rise	-8957 Jun 15 j 17:39	6°♈51'28		
retrograde	-8957 Oct 14 j 05:57	24°♈07'27		
opposition	-8957 Dec 13 j 06:50	19°♈14'37	1°04'50	
min. Earth dist.	-8957 Dec 14 j 02:39	19°♈08'12	4.34470 AU	
direct	-8956 Feb 13 j 14:56	14°♈12'09		
	-8956 Jun 09 j 21:50	0°♉		
evening set	-8956 Jun 20 j 13:12	2°♉19'41		
max. Earth dist.	-8956 Jul 01 j 23:55	4°♉52'10	6.34706 AU	
conjunction	-8956 Jul 03 j 08:17	5°♉10'12	1°06'25	
minimum elong	-8956 Jul 03 j 08:13	5°♉10'09	1°06'41	
morning rise	-8956 Jul 16 j 00:14	7°♉59'12		
	-8956 Aug 17 j 23:03	15°♉		
retrograde	-8956 Nov 14 j 00:23	25°♉17'02		
opposition	-8955 Jan 13 j 16:11	20°♉25'28	2°01'02	
min. Earth dist.	-8955 Jan 14 j 16:22	20°♉17'46	4.33975 AU	
direct	-8955 Mar 17 j 04:57	15°♉25'42		
	-8955 Jul 05 j 23:50	0°♊		
evening set	-8955 Jul 21 j 21:12	3°♊29'44		
max. Earth dist.	-8955 Aug 01 j 23:54	5°♊59'29	6.31925 AU	
conjunction	-8955 Aug 03 j 08:39	6°♊17'55	1°33'32	
minimum elong	-8955 Aug 03 j 08:36	6°♊17'54	1°34'01	
morning rise	-8955 Aug 15 j 18:28	9°♊05'21		
retrograde	-8955 Dec 16 j 17:04	26°♊47'09		
opposition	-8954 Feb 15 j 21:39	21°♊54'51	2°22'38	
min. Earth dist.	-8954 Feb 16 j 18:11	21°♊48'20	4.29190 AU	
direct	-8954 Apr 18 j 22:08	16°♊58'07		
	-8954 Jul 30 j 01:38	0°♋		
evening set	-8954 Aug 22 j 03:18	5°♋06'35		
conjunction	-8954 Sep 03 j 12:56	7°♋56'25	1°33'20	
minimum elong	-8954 Sep 03 j 12:59	7°♋56'27	1°33'54	
max. Earth dist.	-8954 Sep 02 j 15:27	7°♋44'07	6.25483 AU	
morning rise	-8954 Sep 15 j 22:29	10°♋46'25		
retrograde	-8953 Jan 19 j 18:52	29°♋08'06		
opposition	-8953 Mar 22 j 05:00	24°♋13'23	2°01'14	
min. Earth dist.	-8953 Mar 22 j 15:42	24°♋09'58	4.21504 AU	
direct	-8953 May 22 j 04:56	19°♋19'15		
	-8953 Aug 19 j 11:28	0°♌		
evening set	-8953 Sep 23 j 01:46	7°♌38'42		
conjunction	-8953 Oct 05 j 15:48	10°♌33'55	1°04'07	
minimum elong	-8953 Oct 05 j 15:53	10°♌33'57	1°04'36	
max. Earth dist.	-8953 Oct 05 j 09:45	10°♌30'24	6.17259 AU	
morning rise	-8953 Oct 18 j 07:56	13°♌30'19		
	-8953 Oct 24 j 20:01	15°♌		
	-8952 Jan 13 j 01:48	0°♍		
retrograde	-8952 Feb 24 j 04:53	2°♍37'55		
	-8952 Apr 06 j 15:35	30°℞♌		
opposition	-8952 Apr 25 j 11:52	27°♌39'27	0°59'26	
min. Earth dist.	-8952 Apr 25 j 08:06	27°♌40'40	4.13272 AU	
direct	-8952 Jun 24 j 04:47	22°♌46'32		
	-8952 Sep 02 j 12:32	0°♍		
evening set	-8952 Oct 25 j 09:29	11°♍22'01		
conjunction	-8952 Nov 07 j 08:22	14°♍24'20	0°12'54	
minimum elong	-8952 Nov 07 j 08:23	14°♍24'21	0°13'07	

Attention, astronomical year style is used: The year -8952 in astronomical counting style is the year 8953 BCE in historical counting style.

behind sun begin	-8952 Nov 07 j 03:29	14°♍21'29	
behind sun end	-8952 Nov 07 j 13:18	14°♍27'13	
max. Earth dist.	-8952 Nov 07 j 23:40	14°♍33'19	6.09856 AU
morning rise	-8952 Nov 20 j 10:20	17°♍28'25	
	-8951 Jan 18 j 07:59	0°♎	
desc. node	-8951 Feb 04 j 21:09	2°♎53'02	
retrograde	-8951 Mar 31 j 13:26	7°♎14'06	
opposition	-8951 May 31 j 07:59	2°♎11'51	-0°25'08
min. Earth dist.	-8951 May 30 j 15:56	2°♎17'10	4.07328 AU
	-8951 Jun 17 j 12:47	30℞♍	
direct	-8951 Jul 28 j 23:25	27°♍18'19	
	-8951 Sep 07 j 19:08	0°♎	
evening set	-8951 Nov 29 j 11:55	16°♎11'19	
conjunction	-8951 Dec 12 j 19:28	19°♎19'10	-0°43'57
minimum elong	-8951 Dec 12 j 19:24	19°♎19'07	0°44'05
max. Earth dist.	-8951 Dec 14 j 01:45	19°♎37'00	6.05891 AU
morning rise	-8951 Dec 26 j 06:41	22°♎28'54	
	-8950 Jan 28 j 16:08	0°♏	
retrograde	-8950 May 06 j 22:14	12°♏29'50	
min. Earth dist.	-8950 Jul 05 j 01:19	7°♏33'04	4.05842 AU
opposition	-8950 Jul 06 j 01:00	7°♏25'03	-1°41'56
direct	-8950 Sep 02 j 03:55	2°♏28'59	
	-8950 Dec 06 j 21:53	15°♏	
evening set	-8949 Jan 05 j 01:05	21°♏34'29	
conjunction	-8949 Jan 18 j 15:01	24°♏44'24	-1°25'08
minimum elong	-8949 Jan 18 j 14:56	24°♏44'22	1°25'33
max. Earth dist.	-8949 Jan 20 j 03:54	25°♏05'57	6.06893 AU
morning rise	-8949 Feb 01 j 07:15	27°♏55'30	
	-8949 Feb 10 j 07:49	0°♐	
retrograde	-8949 Jun 11 j 13:25	17°♐40'24	
opposition	-8949 Aug 09 j 23:57	12°♐35'32	-2°20'57
min. Earth dist.	-8949 Aug 09 j 02:58	12°♐42'43	4.09343 AU
direct	-8949 Oct 07 j 10:12	7°♐36'03	
evening set	-8948 Feb 11 j 00:04	26°♐41'53	
conjunction	-8948 Feb 24 j 17:02	29°♐50'33	-1°35'02
minimum elong	-8948 Feb 24 j 17:04	29°♐50'34	1°35'36
	-8948 Feb 25 j 09:29	0°♑	
max. Earth dist.	-8948 Feb 25 j 21:38	0°♑06'59	6.12479 AU
morning rise	-8948 Mar 09 j 10:37	2°♑59'23	
retrograde	-8948 Jul 14 j 16:42	22°♑02'27	
opposition	-8948 Sep 11 j 20:09	16°♑59'54	-2°09'13
min. Earth dist.	-8948 Sep 11 j 07:02	17°♑04'22	4.16471 AU
direct	-8948 Nov 10 j 03:32	11°♑57'23	
	-8947 Mar 14 j 09:47	0°♒	
evening set	-8947 Mar 18 j 04:24	0°♒50'40	
conjunction	-8947 Mar 31 j 21:05	3°♒55'52	-1°11'42
minimum elong	-8947 Mar 31 j 21:10	3°♒55'55	1°12'13
max. Earth dist.	-8947 Apr 01 j 06:43	4°♒01'19	6.20595 AU
morning rise	-8947 Apr 14 j 12:25	7°♒00'13	
	-8947 May 21 j 19:14	15°♒	
retrograde	-8947 Aug 16 j 11:52	25°♒13'16	
opposition	-8947 Oct 14 j 15:13	20°♒14'24	-1°15'05
min. Earth dist.	-8947 Oct 14 j 15:42	20°♒14'14	4.24714 AU
direct	-8947 Dec 14 j 05:46	15°♒10'15	
	-8946 Apr 04 j 17:11	0°♓	
evening set	-8946 Apr 21 j 21:21	3°♓44'36	
conjunction	-8946 May 05 j 09:36	6°♓44'51	-0°25'37
minimum elong	-8946 May 05 j 09:38	6°♓44'53	0°25'55
max. Earth dist.	-8946 May 04 j 23:37	6°♓39'18	6.28413 AU
morning rise	-8946 May 18 j 18:42	9°♓43'29	
retrograde	-8946 Sep 17 j 05:11	27°♓16'48	
asc. node	-8946 Nov 13 j 07:34	22°♓41'01	
opposition	-8946 Nov 15 j 18:27	22°♓21'38	0°00'29
min. Earth dist.	-8946 Nov 16 j 06:24	22°♓17'42	4.31422 AU
direct	-8945 Jan 16 j 11:13	17°♓17'42	
	-8945 Apr 28 j 23:35	0°♈	
evening set	-8945 May 25 j 01:09	5°♈34'51	
max. Earth dist.	-8945 Jun 06 j 02:15	8°♈14'49	6.33522 AU
conjunction	-8945 Jun 07 j 04:39	8°♈29'28	0°27'19
minimum elong	-8945 Jun 07 j 04:37	8°♈29'27	0°27'20
morning rise	-8945 Jun 20 j 04:43	11°♈22'20	
retrograde	-8945 Oct 18 j 17:15	28°♈37'11	
opposition	-8945 Dec 17 j 19:27	23°♈44'41	1°14'19
min. Earth dist.	-8945 Dec 18 j 17:11	23°♈37'40	4.34626 AU
direct	-8944 Feb 18 j 06:03	18°♈42'32	
	-8944 May 23 j 22:12	0°♉	
evening set	-8944 Jun 24 j 23:53	6°♉49'18	
max. Earth dist.	-8944 Jul 06 j 08:07	9°♉20'35	6.34477 AU
conjunction	-8944 Jul 07 j 17:44	9°♉39'20	1°11'38
minimum elong	-8944 Jul 07 j 17:40	9°♉39'17	1°11'55
morning rise	-8944 Jul 20 j 08:37	12°♉27'57	
	-8944 Jul 31 j 21:27	15°♉	
retrograde	-8944 Nov 18 j 13:04	29°♉48'17	
opposition	-8943 Jan 18 j 07:10	24°♉56'43	2°06'27
min. Earth dist.	-8943 Jan 19 j 06:55	24°♉49'09	4.33412 AU
direct	-8943 Mar 21 j 18:19	19°♉57'21	
	-8943 Jun 18 j 13:00	0°♊	
evening set	-8943 Jul 26 j 07:08	8°♊02'07	
max. Earth dist.	-8943 Aug 06 j 11:19	10°♊33'02	6.31075 AU
conjunction	-8943 Aug 07 j 18:01	10°♊50'22	1°35'16
minimum elong	-8943 Aug 07 j 17:59	10°♊50'21	1°35'46
morning rise	-8943 Aug 20 j 03:18	13°♊37'57	
	-8943 Nov 20 j 22:02	0°♋	
retrograde	-8943 Dec 21 j 11:30	1°♋25'00	
	-8942 Jan 21 j 05:27	30℞♊	
opposition	-8942 Feb 20 j 16:44	26°♊32'33	2°22'17
min. Earth dist.	-8942 Feb 21 j 12:41	26°♊26'14	4.28121 AU
direct	-8942 Apr 23 j 14:40	21°♊36'18	
	-8942 Jul 11 j 14:33	0°♋	
evening set	-8942 Aug 26 j 14:50	9°♋46'21	
max. Earth dist.	-8942 Sep 07 j 04:05	12°♋25'00	6.24298 AU
conjunction	-8942 Sep 08 j 00:38	12°♋36'47	1°30'53
minimum elong	-8942 Sep 08 j 00:41	12°♋36'49	1°31'27
morning rise	-8942 Sep 20 j 10:55	15°♋27'33	
	-8942 Dec 03 j 14:06	0°♌	
retrograde	-8941 Jan 24 j 17:33	3°♌55'53	
	-8941 Mar 19 j 09:08	30℞♋	
opposition	-8941 Mar 27 j 04:06	29°♋00'40	1°54'40
min. Earth dist.	-8941 Mar 27 j 12:05	28°♋58'07	4.20299 AU
direct	-8941 May 26 j 23:09	24°♋06'50	
	-8941 Jul 29 j 17:42	0°♌	
evening set	-8941 Sep 27 j 17:10	12°♌28'16	
	-8941 Oct 08 j 14:27	15°♌	
conjunction	-8941 Oct 10 j 08:25	15°♌24'26	0°57'54
minimum elong	-8941 Oct 10 j 08:29	15°♌24'29	0°58'21
max. Earth dist.	-8941 Oct 10 j 06:58	15°♌23'36	6.16181 AU
morning rise	-8941 Oct 23 j 01:39	18°♌21'51	
	-8941 Dec 16 j 19:58	0°♍	
retrograde	-8940 Feb 29 j 08:10	7°♍35'09	
opposition	-8940 Apr 30 j 13:24	2°♍36'09	0°48'13
min. Earth dist.	-8940 Apr 30 j 08:05	2°♍37'53	4.12409 AU
	-8940 May 21 j 16:40	30℞♌	
direct	-8940 Jun 29 j 03:06	27°♌43'19	
	-8940 Aug 05 j 22:56	0°♍	

Attention, astronomical year style is used: The year -8940 in astronomical counting style is the year 8941 BCE in historical counting style.

evening set	-8940 Oct 30 j 06:19	16°♍20'33	
conjunction	-8940 Nov 12 j 06:18	19°♍23'39	0°04'46
minimum elong	-8940 Nov 12 j 06:18	19°♍23'39	0°04'57
behind sun begin	-8940 Nov 11 j 22:22	19°♍19'00	
behind sun end	-8940 Nov 12 j 14:14	19°♍28'17	
max. Earth dist.	-8940 Nov 12 j 23:11	19°♍33'34	6.09286 AU
morning rise	-8940 Nov 25 j 09:48	22°♍28'37	
desc. node	-8940 Dec 15 j 00:23	26°♍58'14	
	-8940 Dec 28 j 21:32	0°♎	
retrograde	-8939 Apr 05 j 15:14	12°♎16'56	
opposition	-8939 Jun 05 j 09:09	7°♎14'12	-0°37'09
min. Earth dist.	-8939 Jun 04 j 14:40	7°♎20'21	4.07114 AU
direct	-8939 Aug 02 j 21:42	2°♎20'24	
evening set	-8939 Dec 04 j 13:11	21°♎14'27	
conjunction	-8939 Dec 17 j 21:52	24°♎22'40	-0°51'06
minimum elong	-8939 Dec 17 j 21:47	24°♎22'37	0°51'17
max. Earth dist.	-8939 Dec 19 j 06:49	24°♎42'03	6.06036 AU
morning rise	-8939 Dec 31 j 09:49	27°♎32'38	
	-8938 Jan 11 j 00:40	0°♏	
	-8938 Apr 01 j 09:22	15°♏	
retrograde	-8938 May 12 j 00:04	17°♏32'03	
	-8938 Jun 21 j 06:19	15°℞♏	
opposition	-8938 Jul 10 j 23:34	12°♏27'06	-1°50'06
min. Earth dist.	-8938 Jul 10 j 00:43	12°♏34'52	4.06333 AU
direct	-8938 Sep 07 j 03:30	7°♏30'36	
	-8938 Nov 17 j 03:34	15°♏	
evening set	-8937 Jan 10 j 04:27	26°♏35'53	
conjunction	-8937 Jan 23 j 18:51	29°♏45'40	-1°28'33
minimum elong	-8937 Jan 23 j 18:47	29°♏45'38	1°29'01
	-8937 Jan 24 j 19:27	0°♐	
max. Earth dist.	-8937 Jan 25 j 06:52	0°♐06'38	6.07653 AU
morning rise	-8937 Feb 06 j 11:31	2°♐56'31	
retrograde	-8937 Jun 16 j 08:02	22°♐36'05	
opposition	-8937 Aug 14 j 18:00	17°♐31'27	-2°22'19
min. Earth dist.	-8937 Aug 13 j 21:18	17°♐38'32	4.10311 AU
direct	-8937 Oct 12 j 05:23	12°♐31'30	
	-8936 Feb 09 j 00:32	0°♑	
evening set	-8936 Feb 16 j 01:50	1°♑35'58	
conjunction	-8936 Feb 29 j 18:55	4°♑44'14	-1°33'39
minimum elong	-8936 Feb 29 j 18:57	4°♑44'15	1°34'12
max. Earth dist.	-8936 Mar 01 j 19:56	4°♑58'34	6.13563 AU
morning rise	-8936 Mar 14 j 12:25	7°♑52'32	
retrograde	-8936 Jul 19 j 08:11	26°♑48'51	
opposition	-8936 Sep 16 j 10:27	21°♑46'47	-2°03'51
min. Earth dist.	-8936 Sep 16 j 00:13	21°♑50'16	4.17547 AU
direct	-8936 Nov 14 j 22:54	16°♑43'56	
	-8935 Feb 25 j 12:16	0°♒	
evening set	-8935 Mar 23 j 01:51	5°♒35'14	
conjunction	-8935 Apr 05 j 18:24	8°♒39'58	-1°06'20
minimum elong	-8935 Apr 05 j 18:29	8°♒40'01	1°06'49
max. Earth dist.	-8935 Apr 06 j 01:48	8°♒44'08	6.21594 AU
morning rise	-8935 Apr 19 j 09:04	11°♒43'40	
	-8935 May 04 j 04:25	15°♒	
retrograde	-8935 Aug 20 j 22:30	29°♒51'05	
opposition	-8935 Oct 19 j 03:04	24°♒52'49	-1°05'21
min. Earth dist.	-8935 Oct 19 j 04:41	24°♒52'16	4.25551 AU
direct	-8935 Dec 18 j 20:22	19°♒48'38	
	-8934 Mar 17 j 22:09	0°♓	
evening set	-8934 Apr 26 j 14:30	8°♓21'24	
max. Earth dist.	-8934 May 09 j 11:43	11°♓13'16	6.29036 AU
conjunction	-8934 May 10 j 01:40	11°♓21'01	-0°18'18
minimum elong	-8934 May 10 j 01:41	11°♓21'02	0°18'33
morning rise	-8934 May 23 j 09:50	14°♓19'00	
	-8934 Aug 18 j 16:17	0°♈	
retrograde	-8934 Sep 21 j 16:49	1°♈49'30	
asc. node	-8934 Sep 23 j 19:35	1°♈49'04	
	-8934 Oct 25 j 18:08	30°℞♓	
opposition	-8934 Nov 20 j 06:12	26°♓54'50	0°11'25
min. Earth dist.	-8934 Nov 20 j 20:40	26°♓50'06	4.31794 AU
direct	-8933 Jan 21 j 02:49	21°♓51'04	
	-8933 Apr 10 j 04:41	0°♈	
evening set	-8933 May 29 j 14:39	10°♈07'31	
conjunction	-8933 Jun 11 j 17:01	13°♈01'35	0°34'22
minimum elong	-8933 Jun 11 j 16:57	13°♈01'33	0°34'26
max. Earth dist.	-8933 Jun 10 j 13:58	12°♈46'34	6.33616 AU
morning rise	-8933 Jun 24 j 15:41	15°♈53'51	
	-8933 Sep 07 j 13:29	0°♉	
retrograde	-8933 Oct 23 j 03:52	3°♉09'02	
	-8933 Dec 08 j 16:46	30°℞♈	
opposition	-8933 Dec 22 j 08:44	28°♈16'46	1°23'22
min. Earth dist.	-8933 Dec 23 j 06:04	28°♈09'54	4.34475 AU
direct	-8932 Feb 22 j 18:53	23°♈14'59	
	-8932 May 04 j 03:14	0°♉	
evening set	-8932 Jun 29 j 11:15	11°♉21'50	
max. Earth dist.	-8932 Jul 10 j 18:25	13°♉52'49	6.34083 AU
conjunction	-8932 Jul 12 j 03:50	14°♉11'29	1°16'26
minimum elong	-8932 Jul 12 j 03:45	14°♉11'27	1°16'46
	-8932 Jul 15 j 18:37	15°♉	
morning rise	-8932 Jul 24 j 17:42	16°♉59'50	
	-8932 Sep 29 j 08:02	0°♊	
retrograde	-8932 Nov 23 j 04:54	4°♊23'11	
	-8931 Jan 19 j 06:19	30°℞♉	
opposition	-8931 Jan 22 j 23:48	29°♉31'37	2°11'08
min. Earth dist.	-8931 Jan 23 j 23:52	29°♉23'59	4.32816 AU
direct	-8931 Mar 26 j 10:33	24°♉32'42	
	-8931 May 28 j 10:42	0°♊	
evening set	-8931 Jul 30 j 17:43	12°♊37'53	
max. Earth dist.	-8931 Aug 10 j 22:15	15°♊09'19	6.30308 AU
conjunction	-8931 Aug 12 j 04:04	15°♊26'11	1°36'25
minimum elong	-8931 Aug 12 j 04:03	15°♊26'10	1°36'56
morning rise	-8931 Aug 24 j 13:08	18°♊13'57	
	-8931 Oct 21 j 07:04	0°♋	
retrograde	-8931 Dec 26 j 05:29	6°♋05'51	
opposition	-8930 Feb 25 j 12:38	1°♋13'01	2°21'00
min. Earth dist.	-8930 Feb 26 j 06:06	1°♋07'29	4.27244 AU
	-8930 Mar 07 j 05:21	30°℞♊	
direct	-8930 Apr 28 j 06:32	26°♊17'08	
	-8930 Jun 17 j 21:12	0°♋	
evening set	-8930 Aug 31 j 02:41	14°♋27'53	
conjunction	-8930 Sep 12 j 12:56	17°♋18'51	1°27'50
minimum elong	-8930 Sep 12 j 13:00	17°♋18'53	1°28'24
max. Earth dist.	-8930 Sep 11 j 19:57	17°♋09'05	6.23382 AU
morning rise	-8930 Sep 24 j 23:42	20°♋10'15	
	-8930 Nov 09 j 22:32	0°♌	
retrograde	-8929 Jan 29 j 16:55	8°♌44'01	
opposition	-8929 Apr 01 j 02:53	3°♌48'18	1°47'19
min. Earth dist.	-8929 Apr 01 j 09:46	3°♌46'05	4.19378 AU
	-8929 May 05 j 07:12	30°℞♋	
direct	-8929 May 31 j 19:01	28°♋54'41	
	-8929 Jun 27 j 01:51	0°♌	
	-8929 Sep 22 j 09:25	15°♌	
evening set	-8929 Oct 02 j 08:14	17°♌17'08	
conjunction	-8929 Oct 15 j 00:25	20°♌14'07	0°51'19

Attention, astronomical year style is used: The year -8929 in astronomical counting style is the year 8930 BCE in historical counting style.

minimum elong	-8929 Oct 15 j 00:30	20°♌14'10	0°51'43
max. Earth dist.	-8929 Oct 15 j 00:26	20°♌14'08	6.15332 AU
morning rise	-8929 Oct 27 j 19:07	23°♌12'31	
	-8929 Nov 27 j 03:08	0°♍	
retrograde	-8928 Mar 05 j 07:48	12°♍30'35	
opposition	-8928 May 05 j 13:32	7°♍31'00	0°36'44
min. Earth dist.	-8928 May 05 j 05:24	7°♍33'39	4.11693 AU
direct	-8928 Jul 03 j 22:50	2°♍38'07	
desc. node	-8928 Oct 24 j 10:58	18°♍49'01	
evening set	-8928 Nov 04 j 02:07	21°♍16'52	
conjunction	-8928 Nov 17 j 03:29	24°♍20'45	-0°03'29
minimum elong	-8928 Nov 17 j 03:27	24°♍20'44	0°03'21
behind sun begin	-8928 Nov 16 j 19:20	24°♍15'59	
behind sun end	-8928 Nov 17 j 11:34	24°♍25'29	
max. Earth dist.	-8928 Nov 17 j 23:38	24°♍32'35	6.08771 AU
morning rise	-8928 Nov 30 j 08:07	27°♍26'28	
	-8928 Dec 11 j 09:40	0°♎	
retrograde	-8927 Apr 10 j 18:21	17°♎17'20	
opposition	-8927 Jun 10 j 08:59	12°♎14'10	-0°48'49
min. Earth dist.	-8927 Jun 09 j 14:31	12°♎20'20	4.06850 AU
direct	-8927 Aug 07 j 20:37	7°♎20'02	
evening set	-8927 Dec 09 j 14:05	26°♎15'40	
conjunction	-8927 Dec 22 j 23:39	29°♎24'15	-0°57'51
minimum elong	-8927 Dec 22 j 23:34	29°♎24'12	0°58'03
max. Earth dist.	-8927 Dec 24 j 09:08	29°♎43'55	6.06034 AU
	-8927 Dec 25 j 12:32	0°♏	
morning rise	-8926 Jan 05 j 12:34	2°♏34'34	
	-8926 Mar 04 j 16:16	15°♏	
retrograde	-8926 May 16 j 22:47	22°♏32'47	
opposition	-8926 Jul 15 j 20:54	17°♏27'44	-1°57'27
min. Earth dist.	-8926 Jul 14 j 21:27	17°♏35'42	4.06626 AU
	-8926 Aug 03 j 21:03	15°℞♏	
direct	-8926 Sep 11 j 23:51	12°♏30'44	
	-8926 Oct 21 j 02:24	15°♏	
	-8925 Jan 08 j 07:34	0°♐	
evening set	-8925 Jan 15 j 07:53	1°♐36'48	
conjunction	-8925 Jan 28 j 22:48	4°♐46'32	-1°31'20
minimum elong	-8925 Jan 28 j 22:45	4°♐46'31	1°31'49
max. Earth dist.	-8925 Jan 30 j 09:04	5°♐06'28	6.08192 AU
morning rise	-8925 Feb 11 j 15:49	7°♐57'14	
retrograde	-8925 Jun 21 j 04:14	27°♐32'16	
opposition	-8925 Aug 19 j 12:22	22°♐27'50	-2°22'43
min. Earth dist.	-8925 Aug 18 j 17:40	22°♐34'15	4.11034 AU
direct	-8925 Oct 17 j 03:20	17°♐27'23	
	-8924 Jan 22 j 15:48	0°♑	
evening set	-8924 Feb 21 j 03:58	6°♑31'10	
conjunction	-8924 Mar 05 j 21:23	9°♑39'10	-1°31'35
minimum elong	-8924 Mar 05 j 21:26	9°♑39'12	1°32'09
max. Earth dist.	-8924 Mar 06 j 21:20	9°♑52'52	6.14417 AU
morning rise	-8924 Mar 19 j 14:39	12°♑47'01	
	-8924 Jun 22 j 06:41	0°♒	
retrograde	-8924 Jul 23 j 23:56	1°♒37'13	
	-8924 Aug 24 j 10:30	30°℞♑	
opposition	-8924 Sep 21 j 01:42	26°♑35'40	-1°57'38
min. Earth dist.	-8924 Sep 20 j 16:38	26°♑38'45	4.18440 AU
direct	-8924 Nov 19 j 17:05	21°♑32'32	
	-8923 Feb 06 j 10:51	0°♒	
evening set	-8923 Mar 28 j 00:41	10°♒22'18	
conjunction	-8923 Apr 10 j 16:39	13°♒26'29	-1°00'28
minimum elong	-8923 Apr 10 j 16:44	13°♒26'32	1°00'55
max. Earth dist.	-8923 Apr 10 j 19:39	13°♒28'11	6.22461 AU
	-8923 Apr 17 j 14:54	15°♒	
morning rise	-8923 Apr 24 j 06:51	16°♒29'37	
	-8923 Jul 01 j 17:05	0°♓	
retrograde	-8923 Aug 25 j 12:03	4°♓31'49	
	-8923 Oct 20 j 10:59	30°℞♒	
opposition	-8923 Oct 23 j 16:36	29°♒34'05	-0°55'04
min. Earth dist.	-8923 Oct 23 j 20:44	29°♒32'42	4.26307 AU
direct	-8923 Dec 23 j 14:41	24°♒29'49	
	-8922 Feb 24 j 11:08	0°♓	
evening set	-8922 May 01 j 08:50	13°♓01'02	
conjunction	-8922 May 14 j 19:09	16°♓00'02	-0°10'45
minimum elong	-8922 May 14 j 19:10	16°♓00'03	0°10'57
behind sun begin	-8922 May 14 j 13:02	15°♓56'39	
behind sun end	-8922 May 15 j 01:18	16°♓03'27	
max. Earth dist.	-8922 May 14 j 04:31	15°♓51'53	6.29649 AU
morning rise	-8922 May 28 j 02:00	18°♓57'17	
	-8922 Jul 21 j 11:58	0°♈	
asc. node	-8922 Aug 02 j 23:24	2°♈00'57	
retrograde	-8922 Sep 26 j 03:59	6°♈24'58	
opposition	-8922 Nov 24 j 19:34	1°♈30'46	0°22'26
min. Earth dist.	-8922 Nov 25 j 10:17	1°♈25'57	4.32235 AU
	-8922 Dec 06 j 13:27	30°℞♓	
direct	-8921 Jan 25 j 17:39	26°♓27'17	
	-8921 Mar 16 j 20:56	0°♈	
evening set	-8921 Jun 03 j 05:12	14°♈42'28	
max. Earth dist.	-8921 Jun 15 j 01:01	17°♈19'43	6.33858 AU
conjunction	-8921 Jun 16 j 05:59	17°♈35'49	0°41'18
minimum elong	-8921 Jun 16 j 05:55	17°♈35'47	0°41'24
morning rise	-8921 Jun 29 j 03:28	20°♈27'28	
	-8921 Aug 14 j 08:15	0°♉	
retrograde	-8921 Oct 27 j 17:44	7°♉42'36	
opposition	-8921 Dec 26 j 23:40	2°♉50'33	1°32'00
min. Earth dist.	-8921 Dec 27 j 22:08	2°♉43'20	4.34525 AU
	-8920 Jan 19 j 13:32	30°℞♈	
direct	-8920 Feb 27 j 11:30	27°♈49'10	
	-8920 Apr 06 j 09:22	0°♉	
	-8920 Jun 29 j 19:14	15°♉	
evening set	-8920 Jul 03 j 22:51	15°♉55'04	
max. Earth dist.	-8920 Jul 15 j 06:12	18°♉26'18	6.33932 AU
conjunction	-8920 Jul 16 j 14:21	18°♉44'17	1°20'48
minimum elong	-8920 Jul 16 j 14:17	18°♉44'14	1°21'11
morning rise	-8920 Jul 29 j 03:06	21°♉32'13	
	-8920 Sep 07 j 07:18	0°♊	
retrograde	-8920 Nov 27 j 18:36	8°♊57'49	
opposition	-8919 Jan 27 j 16:35	4°♊06'11	2°14'59
min. Earth dist.	-8919 Jan 28 j 14:51	3°♊59'06	4.32496 AU
	-8919 Mar 06 j 22:05	30°℞♉	
direct	-8919 Mar 31 j 01:04	29°♉07'45	
	-8919 Apr 24 j 05:58	0°♊	
evening set	-8919 Aug 04 j 04:02	17°♊12'19	
max. Earth dist.	-8919 Aug 15 j 09:41	19°♊44'38	6.29837 AU
conjunction	-8919 Aug 16 j 13:49	20°♊00'34	1°36'57
minimum elong	-8919 Aug 16 j 13:49	20°♊00'34	1°37'29
morning rise	-8919 Aug 28 j 22:39	22°♊48'26	
	-8919 Oct 01 j 04:27	0°♋	
retrograde	-8919 Dec 31 j 00:24	10°♋44'17	
opposition	-8918 Mar 02 j 08:00	5°♋51'09	2°18'46
min. Earth dist.	-8918 Mar 03 j 01:01	5°♋45'45	4.26627 AU
direct	-8918 May 03 j 00:10	0°♋55'39	
evening set	-8918 Sep 04 j 13:20	19°♋06'16	
max. Earth dist.	-8918 Sep 16 j 08:35	21°♋48'50	6.22674 AU
conjunction	-8918 Sep 17 j 00:01	21°♋57'43	1°24'15
minimum elong	-8918 Sep 17 j 00:05	21°♋57'45	1°24'48

Attention, astronomical year style is used: The year -8918 in astronomical counting style is the year 8919 BCE in historical counting style.

morning rise	-8918 Sep 29 j 11:34	24°♋49'46	
	-8918 Oct 22 j 15:02	0°♌	
retrograde	-8917 Feb 03 j 12:24	13°♌28'21	
opposition	-8917 Apr 06 j 00:00	8°♌32'07	1°39'17
min. Earth dist.	-8917 Apr 06 j 04:09	8°♌30'48	4.18613 AU
direct	-8917 Jun 05 j 11:35	3°♌38'44	
	-8917 Sep 05 j 10:07	15°♌	
evening set	-8917 Oct 06 j 21:56	22°♌02'00	
conjunction	-8917 Oct 19 j 15:15	24°♌59'48	0°44'28
minimum elong	-8917 Oct 19 j 15:19	24°♌59'51	0°44'50
max. Earth dist.	-8917 Oct 19 j 18:12	25°♌01'31	6.14586 AU
morning rise	-8917 Nov 01 j 11:06	27°♌59'05	
	-8917 Nov 10 j 05:16	0°♍	
retrograde	-8916 Mar 10 j 08:22	17°♍21'42	
opposition	-8916 May 10 j 11:41	12°♍21'37	0°25'09
min. Earth dist.	-8916 May 10 j 03:05	12°♍24'26	4.11001 AU
direct	-8916 Jul 08 j 18:50	7°♍28'39	
desc. node	-8916 Sep 03 j 22:48	12°♍29'10	
evening set	-8916 Nov 08 j 20:53	26°♍09'21	
conjunction	-8916 Nov 21 j 23:24	29°♍14'00	-0°11'26
minimum elong	-8916 Nov 21 j 23:23	29°♍13'59	0°11'22
behind sun begin	-8916 Nov 21 j 17:24	29°♍10'29	
behind sun end	-8916 Nov 22 j 05:22	29°♍17'29	
max. Earth dist.	-8916 Nov 22 j 20:48	29°♍26'35	6.08202 AU
	-8916 Nov 25 j 05:38	0°♎	
morning rise	-8916 Dec 05 j 05:26	2°♎20'34	
retrograde	-8915 Apr 15 j 18:07	22°♎14'07	
min. Earth dist.	-8915 Jun 14 j 10:53	17°♎17'16	4.06480 AU
opposition	-8915 Jun 15 j 06:43	17°♎10'37	-0°59'58
direct	-8915 Aug 12 j 14:54	12°♎16'13	
	-8915 Dec 09 j 06:19	0°♏	
evening set	-8915 Dec 14 j 14:06	1°♏14'18	
conjunction	-8915 Dec 28 j 00:34	4°♏23'20	-1°04'05
minimum elong	-8915 Dec 28 j 00:29	4°♏23'17	1°04'20
max. Earth dist.	-8915 Dec 29 j 09:50	4°♏42'52	6.05877 AU
morning rise	-8914 Jan 10 j 14:19	7°♏34'02	
	-8914 Feb 12 j 16:12	15°♏	
retrograde	-8914 May 21 j 21:35	27°♏31'53	
opposition	-8914 Jul 20 j 17:19	22°♏26'46	-2°03'53
min. Earth dist.	-8914 Jul 19 j 18:42	22°♏34'29	4.06710 AU
direct	-8914 Sep 16 j 21:07	17°♏29'19	
	-8914 Dec 21 j 23:02	0°♐	
evening set	-8913 Jan 20 j 10:54	6°♐37'05	
conjunction	-8913 Feb 03 j 02:31	9°♐46'57	-1°33'25
minimum elong	-8913 Feb 03 j 02:29	9°♐46'56	1°33'54
max. Earth dist.	-8913 Feb 04 j 13:01	10°♐06'59	6.08516 AU
morning rise	-8913 Feb 16 j 19:44	12°♐57'35	
	-8913 May 17 j 07:21	0°♑	
retrograde	-8913 Jun 26 j 00:40	2°♑28'45	
	-8913 Aug 04 j 09:11	30°℞♐	
opposition	-8913 Aug 24 j 06:22	27°♐24'40	-2°22'03
min. Earth dist.	-8913 Aug 23 j 12:28	27°♐30'48	4.11586 AU
direct	-8913 Oct 21 j 23:17	22°♐23'49	
	-8912 Jan 02 j 19:44	0°♑	
evening set	-8912 Feb 26 j 06:39	11°♑27'35	
conjunction	-8912 Mar 11 j 00:01	14°♑35'20	-1°28'50
minimum elong	-8912 Mar 11 j 00:05	14°♑35'22	1°29'24
max. Earth dist.	-8912 Mar 11 j 20:20	14°♑46'56	6.15153 AU
morning rise	-8912 Mar 24 j 17:20	17°♑42'50	
	-8912 May 23 j 04:29	0°♒	
retrograde	-8912 Jul 28 j 15:51	6°♒27'17	
opposition	-8912 Sep 25 j 17:20	1°♒26'10	-1°50'33
min. Earth dist.	-8912 Sep 25 j 09:56	1°♒28'41	4.19286 AU
	-8912 Oct 06 j 10:54	30°℞♑	
direct	-8912 Nov 24 j 13:02	26°♑22'44	
	-8911 Jan 12 j 19:44	0°♒	
evening set	-8911 Apr 01 j 23:28	15°♒10'53	
	-8911 Apr 01 j 03:57	15°♒	
conjunction	-8911 Apr 15 j 15:08	18°♒14'33	-0°54'08
minimum elong	-8911 Apr 15 j 15:13	18°♒14'36	0°54'34
max. Earth dist.	-8911 Apr 15 j 17:15	18°♒15'45	6.23382 AU
morning rise	-8911 Apr 29 j 04:26	21°♒16'58	
	-8911 Jun 09 j 08:22	0°♓	
retrograde	-8911 Aug 30 j 01:09	9°♓13'42	
opposition	-8911 Oct 28 j 06:30	4°♓16'28	-0°44'22
min. Earth dist.	-8911 Oct 28 j 11:35	4°♓14'46	4.27206 AU
	-8911 Dec 05 j 19:14	30°℞♒	
direct	-8911 Dec 28 j 07:41	29°♒12'13	
	-8910 Jan 20 j 02:51	0°♓	
evening set	-8910 May 06 j 02:46	17°♓40'56	
conjunction	-8910 May 19 j 11:47	20°♓39'06	-0°03'08
minimum elong	-8910 May 19 j 11:47	20°♓39'06	0°03'17
behind sun begin	-8910 May 19 j 03:39	20°♓34'36	
behind sun end	-8910 May 19 j 19:55	20°♓43'36	
max. Earth dist.	-8910 May 18 j 18:01	20°♓29'14	6.30445 AU
morning rise	-8910 Jun 01 j 17:33	23°♓35'32	
asc. node	-8910 Jun 11 j 12:57	25°♓44'41	
	-8910 Jul 01 j 16:37	0°♈	
retrograde	-8910 Sep 30 j 15:26	10°♈59'50	
opposition	-8910 Nov 29 j 08:47	6°♈05'55	0°33'17
min. Earth dist.	-8910 Nov 30 j 01:03	6°♈00'36	4.32863 AU
direct	-8909 Jan 30 j 10:06	1°♈02'33	
evening set	-8909 Jun 07 j 18:24	19°♈15'32	
conjunction	-8909 Jun 20 j 17:54	22°♈08'08	0°47'58
minimum elong	-8909 Jun 20 j 17:50	22°♈08'06	0°48'06
max. Earth dist.	-8909 Jun 19 j 13:22	21°♈52'16	6.34243 AU
morning rise	-8909 Jul 03 j 13:50	24°♈59'00	
	-8909 Jul 26 j 19:43	0°♉	
retrograde	-8909 Nov 01 j 04:11	12°♉13'41	
opposition	-8909 Dec 31 j 13:22	7°♉21'45	1°40'02
min. Earth dist.	-8908 Jan 01 j 11:33	7°♉14'38	4.34639 AU
direct	-8908 Mar 03 j 01:15	2°♉20'43	
	-8908 Jun 13 j 06:18	15°♉	
evening set	-8908 Jul 08 j 08:59	20°♉25'24	
conjunction	-8908 Jul 20 j 23:13	23°♉14'09	1°24'41
minimum elong	-8908 Jul 20 j 23:09	23°♉14'07	1°25'05
max. Earth dist.	-8908 Jul 19 j 13:52	22°♉55'28	6.33722 AU
morning rise	-8908 Aug 02 j 11:11	26°♉01'47	
	-8908 Aug 20 j 14:22	0°♊	
retrograde	-8908 Dec 02 j 09:47	13°♊30'07	
opposition	-8907 Feb 01 j 08:47	8°♊38'19	2°18'04
min. Earth dist.	-8907 Feb 02 j 07:35	8°♊31'05	4.31970 AU
direct	-8907 Apr 04 j 16:52	3°♊40'14	
evening set	-8907 Aug 08 j 13:08	21°♊44'53	
conjunction	-8907 Aug 20 j 22:46	24°♊33'20	1°36'57
minimum elong	-8907 Aug 20 j 22:46	24°♊33'20	1°37'30
max. Earth dist.	-8907 Aug 19 j 20:12	24°♊18'15	6.29024 AU
morning rise	-8907 Sep 02 j 07:29	27°♊21'29	
	-8907 Sep 14 j 03:13	0°♋	
retrograde	-8906 Jan 04 j 17:27	15°♋22'35	
opposition	-8906 Mar 07 j 03:15	10°♋29'06	2°15'46
min. Earth dist.	-8906 Mar 07 j 18:13	10°♋24'21	4.25583 AU
direct	-8906 May 07 j 15:16	5°♋33'57	
evening set	-8906 Sep 09 j 00:47	23°♋46'02	

Attention, astronomical year style is used: The year -8906 in astronomical counting style is the year 8907 BCE in historical counting style.

conjunction	-8906 Sep 21 j 12:02	26°♋38'14	1°20'08
minimum elong	-8906 Sep 21 j 12:06	26°♋38'16	1°20'40
max. Earth dist.	-8906 Sep 20 j 22:31	26°♋30'26	6.21487 AU
morning rise	-8906 Oct 04 j 00:28	29°♋31'10	
	-8906 Oct 06 j 02:52	0°♌	
	-8906 Dec 23 j 04:14	15°♌	
retrograde	-8905 Feb 08 j 12:41	18°♌16'23	
	-8905 Mar 28 j 15:46	15°℞♌	
opposition	-8905 Apr 10 j 22:46	13°♌19'39	1°30'33
min. Earth dist.	-8905 Apr 11 j 02:02	13°♌18'36	4.17343 AU
direct	-8905 Jun 10 j 07:08	8°♌26'21	
	-8905 Aug 16 j 10:53	15°♌	
evening set	-8905 Oct 11 j 14:08	26°♌52'21	
conjunction	-8905 Oct 24 j 08:46	29°♌51'15	0°37'11
minimum elong	-8905 Oct 24 j 08:49	29°♌51'17	0°37'32
	-8905 Oct 24 j 23:45	0°♍	
max. Earth dist.	-8905 Oct 24 j 14:12	29°♌54'25	6.13363 AU
morning rise	-8905 Nov 06 j 06:06	2°♍51'43	
retrograde	-8904 Mar 15 j 11:10	22°♍20'28	
opposition	-8904 May 15 j 12:55	17°♍19'53	0°13'05
min. Earth dist.	-8904 May 15 j 02:00	17°♍23'28	4.09939 AU
direct	-8904 Jul 13 j 14:54	12°♍26'52	
desc. node	-8904 Jul 14 j 12:56	12°♍26'57	
	-8904 Nov 08 j 18:07	0°♎	
evening set	-8904 Nov 13 j 19:50	1°♎10'55	
conjunction	-8904 Nov 26 j 23:35	4°♎16'29	-0°19'35
minimum elong	-8904 Nov 26 j 23:33	4°♎16'28	0°19'33
max. Earth dist.	-8904 Nov 27 j 22:50	4°♎30'10	6.07390 AU
morning rise	-8904 Dec 10 j 06:57	7°♎23'59	
retrograde	-8903 Apr 20 j 22:19	27°♎20'58	
min. Earth dist.	-8903 Jun 19 j 11:57	22°♎24'03	4.06014 AU
opposition	-8903 Jun 20 j 08:36	22°♎17'07	-1°11'05
direct	-8903 Aug 17 j 15:16	17°♎22'24	
	-8903 Nov 21 j 15:37	0°♏	
evening set	-8903 Dec 19 j 19:00	6°♏23'16	
conjunction	-8902 Jan 02 j 06:31	9°♏32'44	-1°10'04
minimum elong	-8902 Jan 02 j 06:26	9°♏32'41	1°10'22
max. Earth dist.	-8902 Jan 03 j 18:22	9°♏53'46	6.05817 AU
morning rise	-8902 Jan 15 j 20:57	12°♏43'44	
	-8902 Jan 25 j 16:55	15°♏	
	-8902 Apr 15 j 11:35	0°♐	
retrograde	-8902 May 27 j 00:35	2°♐40'04	
	-8902 Jul 07 j 05:39	30°℞♏	
opposition	-8902 Jul 25 j 17:19	27°♏35'03	-2°09'35
min. Earth dist.	-8902 Jul 24 j 18:28	27°♏42'50	4.07122 AU
direct	-8902 Sep 21 j 21:28	22°♏37'15	
	-8902 Dec 01 j 14:15	0°♐	
evening set	-8901 Jan 25 j 17:58	11°♐45'18	
conjunction	-8901 Feb 08 j 09:51	14°♐54'56	-1°34'52
minimum elong	-8901 Feb 08 j 09:49	14°♐54'55	1°35'23
max. Earth dist.	-8901 Feb 09 j 18:40	15°♐13'57	6.09369 AU
morning rise	-8901 Feb 22 j 03:26	18°♐05'16	
	-8901 Apr 19 j 09:52	0°♑	
retrograde	-8901 Jun 30 j 21:00	7°♑30'03	
min. Earth dist.	-8901 Aug 28 j 09:00	2°♑32'16	4.12820 AU
opposition	-8901 Aug 29 j 02:31	2°♑26'16	-2°20'21
	-8901 Sep 16 j 18:28	30°℞♐	
direct	-8901 Oct 26 j 22:59	27°♐25'01	
	-8901 Dec 06 j 10:58	0°♑	
evening set	-8900 Mar 02 j 10:04	16°♑25'52	
conjunction	-8900 Mar 16 j 03:30	19°♑32'57	-1°25'29
minimum elong	-8900 Mar 16 j 03:34	19°♑33'00	1°26'01
max. Earth dist.	-8900 Mar 16 j 23:16	19°♑44'13	6.16697 AU
morning rise	-8900 Mar 29 j 20:15	22°♑39'35	
	-8900 May 02 j 13:54	0°♒	
retrograde	-8900 Aug 02 j 07:18	11°♒15'17	
opposition	-8900 Sep 30 j 08:41	6°♒14'43	-1°42'45
min. Earth dist.	-8900 Sep 30 j 02:52	6°♒16'41	4.20973 AU
direct	-8900 Nov 29 j 08:55	1°♒11'08	
	-8899 Mar 15 j 07:43	15°♒	
evening set	-8899 Apr 06 j 20:17	19°♒54'25	
conjunction	-8899 Apr 20 j 11:06	22°♒57'05	-0°47'36
minimum elong	-8899 Apr 20 j 11:10	22°♒57'07	0°48'00
max. Earth dist.	-8899 Apr 20 j 09:44	22°♒56'19	6.25078 AU
morning rise	-8899 May 03 j 23:33	25°♒58'25	
	-8899 May 22 j 09:08	0°♓	
retrograde	-8899 Sep 03 j 09:30	13°♓47'26	
opposition	-8899 Nov 01 j 17:29	8°♓50'41	-0°33'44
min. Earth dist.	-8899 Nov 02 j 00:14	8°♓48'26	4.28761 AU
direct	-8898 Jan 01 j 23:05	3°♓46'25	