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

evening set	-9400 Jan 30 j 19:31	17°♐54'47	
conjunction	-9400 Feb 17 j 22:48	20°♐18'45	-2°13'52
minimum elong	-9400 Feb 17 j 22:45	20°♐18'44	2°14'25
max. Earth dist.	-9400 Feb 19 j 02:28	20°♐27'57	9.85354 AU
morning rise	-9400 Mar 07 j 03:00	22°♐42'56	
	-9400 May 15 j 11:02	0°♑	
retrograde	-9400 Jun 21 j 06:52	1°♑15'00	
	-9400 Jul 28 j 09:01	30°℞♐	
opposition	-9400 Aug 26 j 17:58	27°♐44'12	-2°55'43
min. Earth dist.	-9400 Aug 25 j 21:00	27°♐48'36	7.89785 AU
direct	-9400 Oct 31 j 23:03	24°♐14'25	
	-9399 Jan 24 j 03:54	0°♑	
evening set	-9399 Feb 14 j 14:31	2°♑39'51	
conjunction	-9399 Mar 04 j 17:13	5°♑01'53	-2°24'00
minimum elong	-9399 Mar 04 j 17:12	5°♑01'53	2°24'34
max. Earth dist.	-9399 Mar 05 j 21:36	5°♑11'13	9.94704 AU
morning rise	-9399 Mar 22 j 19:26	7°♑23'39	
retrograde	-9399 Jul 05 j 18:09	15°♑43'28	
min. Earth dist.	-9399 Sep 09 j 06:54	12°♑18'28	8.00761 AU
opposition	-9399 Sep 10 j 03:19	12°♑14'13	-3°02'03
direct	-9399 Nov 15 j 22:30	8°♑44'23	
evening set	-9398 Mar 02 j 00:40	17°♑03'17	
conjunction	-9398 Mar 20 j 02:01	19°♑22'43	-2°24'53
minimum elong	-9398 Mar 20 j 02:02	19°♑22'43	2°25'26
max. Earth dist.	-9398 Mar 21 j 04:40	19°♑31'21	10.07113 AU
morning rise	-9398 Apr 07 j 01:36	21°♑41'28	
retrograde	-9398 Jul 19 j 17:23	29°♑47'03	
min. Earth dist.	-9398 Sep 23 j 08:59	26°♑23'29	8.14311 AU
opposition	-9398 Sep 24 j 03:39	26°♑19'39	-2°57'05
direct	-9398 Nov 30 j 16:20	22°♑50'08	
	-9397 Mar 08 j 19:28	0°♒	
evening set	-9397 Mar 16 j 22:58	1°♒00'14	
conjunction	-9397 Apr 03 j 22:25	3°♒16'41	-2°17'10
minimum elong	-9397 Apr 03 j 22:28	3°♒16'42	2°17'41
max. Earth dist.	-9397 Apr 04 j 21:45	3°♒24'07	10.21666 AU
morning rise	-9397 Apr 21 j 19:02	5°♒32'07	
retrograde	-9397 Aug 02 j 02:18	13°♒22'44	
opposition	-9397 Oct 07 j 18:19	9°♒57'22	-2°42'09
min. Earth dist.	-9397 Oct 07 j 01:57	10°♒00'41	8.29557 AU
direct	-9397 Dec 15 j 02:10	6°♒28'32	
evening set	-9396 Mar 30 j 08:04	14°♒28'21	
	-9396 Apr 03 j 14:59	15°♒	
conjunction	-9396 Apr 17 j 05:09	16°♒41'37	-2°02'06
minimum elong	-9396 Apr 17 j 05:13	16°♒41'38	2°02'32
max. Earth dist.	-9396 Apr 18 j 00:23	16°♒47'38	10.37523 AU
morning rise	-9396 May 04 j 22:25	18°♒53'35	
retrograde	-9396 Aug 14 j 00:07	26°♒29'28	
opposition	-9396 Oct 19 j 23:14	23°♒06'08	-2°19'10
min. Earth dist.	-9396 Oct 19 j 09:11	23°♒08'56	8.45704 AU
direct	-9396 Dec 28 j 01:37	19°♒38'13	
evening set	-9395 Apr 13 j 03:11	27°♒27'01	
conjunction	-9395 Apr 30 j 21:31	29°♒37'03	-1°41'13
minimum elong	-9395 Apr 30 j 21:34	29°♒37'04	1°41'34
max. Earth dist.	-9395 May 01 j 12:48	29°♒41'44	10.53891 AU
	-9395 May 04 j 00:15	0°♓	
morning rise	-9395 May 18 j 11:09	1°♓45'35	
retrograde	-9395 Aug 26 j 12:24	9°♓07'42	
opposition	-9395 Nov 01 j 19:01	5°♓46'16	-1°50'11
min. Earth dist.	-9395 Nov 01 j 08:03	5°♓48'26	8.61974 AU
direct	-9394 Jan 10 j 13:56	2°♓19'29	
evening set	-9394 Apr 26 j 08:28	9°♓57'11	
conjunction	-9394 May 13 j 23:37	12°♓04'03	-1°16'09
minimum elong	-9394 May 13 j 23:40	12°♓04'04	1°16'24
max. Earth dist.	-9394 May 14 j 10:47	12°♓07'25	10.69981 AU
morning rise	-9394 May 31 j 09:28	14°♓09'20	
retrograde	-9394 Sep 07 j 13:48	21°♓19'12	
opposition	-9394 Nov 14 j 06:17	17°♓59'33	-1°17'14
min. Earth dist.	-9394 Nov 13 j 23:29	18°♓00'53	8.77617 AU
direct	-9393 Jan 23 j 16:53	14°♓33'57	
evening set	-9393 May 09 j 01:19	22°♓01'12	
conjunction	-9393 May 26 j 12:47	24°♓05'04	-0°48'27
minimum elong	-9393 May 26 j 12:49	24°♓05'05	0°48'35
max. Earth dist.	-9393 May 26 j 18:41	24°♓06'49	10.85072 AU
morning rise	-9393 Jun 12 j 18:47	26°♓07'21	
	-9393 Jul 19 j 05:29	0°♈	
retrograde	-9393 Sep 19 j 07:06	3°♈06'51	
	-9393 Nov 23 j 23:10	30°℞♓	
opposition	-9393 Nov 26 j 10:08	29°♓48'46	-0°42'07
min. Earth dist.	-9393 Nov 26 j 07:59	29°♓49'10	8.91970 AU
direct	-9392 Feb 05 j 10:26	26°♓24'22	
	-9392 Apr 15 j 08:13	0°♈	
evening set	-9392 May 20 j 06:52	3°♈42'13	
conjunction	-9392 Jun 06 j 14:19	5°♈43'20	-0°19'29
minimum elong	-9392 Jun 06 j 14:19	5°♈43'20	0°19'29
max. Earth dist.	-9392 Jun 06 j 14:18	5°♈43'19	10.98558 AU
morning rise	-9392 Jun 23 j 16:31	7°♈42'55	
retrograde	-9392 Sep 29 j 17:05	14°♈34'13	
opposition	-9392 Dec 07 j 07:59	11°♈17'22	-0°06'22
min. Earth dist.	-9392 Dec 07 j 09:33	11°♈17'04	9.04475 AU
asc. node	-9391 Feb 12 j 05:51	7°♈55'12	
direct	-9391 Feb 16 j 19:35	7°♈54'11	
evening set	-9391 Jun 01 j 02:29	15°♈03'54	
conjunction	-9391 Jun 18 j 05:52	17°♈02'35	0°09'39
minimum elong	-9391 Jun 18 j 05:51	17°♈02'35	0°09'46
behind sun begin	-9391 Jun 18 j 00:04	17°♈00'55	
behind sun end	-9391 Jun 18 j 11:38	17°♈04'15	
max. Earth dist.	-9391 Jun 18 j 01:14	17°♈01'16	11.09941 AU
morning rise	-9391 Jul 05 j 04:14	18°♈59'51	
retrograde	-9391 Oct 11 j 00:02	25°♈45'12	
opposition	-9391 Dec 19 j 01:06	22°♈29'15	0°28'43
min. Earth dist.	-9391 Dec 19 j 05:56	22°♈28'22	9.14685 AU
direct	-9390 Feb 28 j 22:19	19°♈07'13	
evening set	-9390 Jun 12 j 14:16	26°♈10'19	
conjunction	-9390 Jun 29 j 13:39	28°♈06'57	0°37'47
minimum elong	-9390 Jun 29 j 13:37	28°♈06'57	0°38'00
max. Earth dist.	-9390 Jun 29 j 05:23	28°♈04'34	11.18832 AU
morning rise	-9390 Jul 16 j 08:11	0°♉02'17	
	-9390 Jul 16 j 00:06	0°♉	
retrograde	-9390 Oct 22 j 04:02	6°♉43'49	
opposition	-9390 Dec 30 j 14:50	3°♉28'31	1°02'03
min. Earth dist.	-9390 Dec 30 j 23:27	3°♉26'56	9.22266 AU
direct	-9389 Mar 12 j 16:00	0°♉07'30	
evening set	-9389 Jun 23 j 20:02	7°♉05'38	
conjunction	-9389 Jul 10 j 15:22	9°♉00'37	1°04'09
minimum elong	-9389 Jul 10 j 15:19	9°♉00'36	1°04'27
max. Earth dist.	-9389 Jul 10 j 02:55	8°♉57'02	11.24956 AU
morning rise	-9389 Jul 27 j 06:27	10°♉54'29	
	-9389 Sep 05 j 20:58	15°♉	

Attention, astronomical year style is used: The year -9389 in astronomical counting style is the year 9390 BCE in historical counting style.

retrograde	-9389 Nov 02 j 06:08	17°♉34'22	
	-9388 Jan 01 j 19:26	15°℞♉	
opposition	-9388 Jan 11 j 03:05	14°♉19'25	1°32'44
min. Earth dist.	-9388 Jan 11 j 15:47	14°♉17'05	9.26992 AU
direct	-9388 Mar 23 j 06:14	10°♉59'16	
	-9388 Jun 06 j 09:28	15°♉	
evening set	-9388 Jul 03 j 21:21	17°♉54'04	
conjunction	-9388 Jul 20 j 12:51	19°♉47'49	1°28'01
minimum elong	-9388 Jul 20 j 12:48	19°♉47'48	1°28'23
max. Earth dist.	-9388 Jul 19 j 20:06	19°♉43'01	11.28146 AU
morning rise	-9388 Aug 06 j 01:01	21°♉40'42	
retrograde	-9388 Nov 12 j 09:18	28°♉21'07	
opposition	-9387 Jan 21 j 15:02	25°♉06'09	1°59'57
min. Earth dist.	-9387 Jan 22 j 06:31	25°♉03'20	9.28727 AU
direct	-9387 Apr 03 j 17:50	21°♉46'44	
evening set	-9387 Jul 14 j 20:02	28°♉39'48	
	-9387 Jul 26 j 14:04	0°♊	
conjunction	-9387 Jul 31 j 08:24	0°♊32'51	1°48'41
minimum elong	-9387 Jul 31 j 08:21	0°♊32'50	1°49'08
max. Earth dist.	-9387 Jul 30 j 13:14	0°♊27'21	11.28313 AU
morning rise	-9387 Aug 16 j 18:07	2°♊25'15	
retrograde	-9387 Nov 23 j 15:33	9°♊08'13	
opposition	-9386 Feb 02 j 03:59	5°♊52'55	2°22'58
min. Earth dist.	-9386 Feb 02 j 21:07	5°♊49'48	9.27411 AU
direct	-9386 Apr 15 j 03:34	2°♊34'03	
evening set	-9386 Jul 25 j 17:51	9°♊27'02	
max. Earth dist.	-9386 Aug 10 j 07:03	11°♊13'55	11.25436 AU
conjunction	-9386 Aug 11 j 03:46	11°♊19'53	2°05'32
minimum elong	-9386 Aug 11 j 03:43	11°♊19'53	2°06'04
morning rise	-9386 Aug 27 j 11:40	13°♊12'20	
retrograde	-9386 Dec 05 j 03:32	19°♊59'48	
opposition	-9385 Feb 13 j 19:44	16°♊43'54	2°41'06
min. Earth dist.	-9385 Feb 14 j 14:43	16°♊40'26	9.23063 AU
direct	-9385 Apr 26 j 12:27	13°♊25'23	
evening set	-9385 Aug 05 j 16:37	20°♊19'48	
max. Earth dist.	-9385 Aug 21 j 01:44	22°♊06'21	11.19598 AU
conjunction	-9385 Aug 22 j 00:39	22°♊13'01	2°18'01
minimum elong	-9385 Aug 22 j 00:37	22°♊13'00	2°18'36
morning rise	-9385 Sep 07 j 07:47	24°♊06'06	
	-9385 Nov 11 j 08:45	0°♋	
retrograde	-9385 Dec 16 j 18:01	0°♋59'56	
	-9384 Jan 22 j 00:26	30°℞♊	
opposition	-9384 Feb 25 j 15:37	27°♊43'08	2°53'39
min. Earth dist.	-9384 Feb 26 j 12:19	27°♊39'21	9.15818 AU
direct	-9384 May 06 j 21:28	24°♊24'43	
	-9384 Aug 03 j 13:52	0°♋	
evening set	-9384 Aug 15 j 18:04	1°♋22'08	
max. Earth dist.	-9384 Aug 31 j 01:08	3°♋09'11	11.10985 AU
conjunction	-9384 Sep 01 j 01:15	3°♋16'17	2°25'34
minimum elong	-9384 Sep 01 j 01:14	3°♋16'16	2°26'09
morning rise	-9384 Sep 17 j 08:42	5°♋10'34	
retrograde	-9384 Dec 27 j 17:46	12°♋12'36	
opposition	-9383 Mar 08 j 16:44	8°♋54'33	2°59'58
min. Earth dist.	-9383 Mar 09 j 13:55	8°♋50'40	9.05901 AU
direct	-9383 May 18 j 12:32	5°♋36'01	
evening set	-9383 Aug 26 j 23:45	12°♋37'52	
max. Earth dist.	-9383 Sep 11 j 08:14	14°♋26'39	10.99858 AU
conjunction	-9383 Sep 12 j 07:25	14°♋33'33	2°27'39
minimum elong	-9383 Sep 12 j 07:25	14°♋33'33	2°28'13
morning rise	-9383 Sep 28 j 16:10	16°♋29'41	
retrograde	-9382 Jan 09 j 02:15	23°♋41'30	
opposition	-9382 Mar 21 j 00:14	20°♋21'57	2°59'23
min. Earth dist.	-9382 Mar 21 j 20:12	20°♋18'16	8.93617 AU
direct	-9382 May 30 j 06:05	17°♋03'07	
evening set	-9382 Sep 07 j 11:42	24°♋10'45	
conjunction	-9382 Sep 23 j 20:58	26°♋08'36	2°23'50
minimum elong	-9382 Sep 23 j 20:59	26°♋08'36	2°24'22
max. Earth dist.	-9382 Sep 22 j 23:00	26°♋01'58	10.86574 AU
morning rise	-9382 Oct 10 j 08:10	28°♋07'10	
	-9382 Oct 26 j 17:08	0°♌	
retrograde	-9381 Jan 21 j 20:28	5°♌30'12	
opposition	-9381 Apr 02 j 15:15	2°♌08'57	2°51'23
min. Earth dist.	-9381 Apr 03 j 09:34	2°♌05'31	8.79384 AU
	-9381 May 03 j 19:00	30°℞♋	
direct	-9381 Jun 11 j 05:29	28°♋49'32	
	-9381 Jul 18 j 13:30	0°♌	
evening set	-9381 Sep 19 j 07:43	6°♌04'17	
conjunction	-9381 Oct 05 j 19:39	8°♌04'52	2°13'48
minimum elong	-9381 Oct 05 j 19:42	8°♌04'53	2°14'17
max. Earth dist.	-9381 Oct 04 j 22:52	7°♌58'30	10.71618 AU
morning rise	-9381 Oct 22 j 10:43	10°♌06'30	
	-9381 Dec 07 j 09:33	15°♌	
retrograde	-9380 Feb 04 j 01:44	17°♌41'53	
	-9380 Apr 05 j 12:19	15°℞♌	
opposition	-9380 Apr 14 j 14:47	14°♌18'47	2°35'33
min. Earth dist.	-9380 Apr 15 j 07:17	14°♌15'39	8.63735 AU
direct	-9380 Jun 22 j 11:43	10°♌58'34	
	-9380 Sep 01 j 03:18	15°♌	
evening set	-9380 Sep 30 j 13:23	18°♌21'37	
max. Earth dist.	-9380 Oct 16 j 10:39	20°♌19'39	10.55543 AU
conjunction	-9380 Oct 17 j 05:15	20°♌25'28	1°57'22
minimum elong	-9380 Oct 17 j 05:19	20°♌25'29	1°57'47
morning rise	-9380 Nov 03 j 01:20	22°♌30'41	
	-9379 Jan 28 j 03:19	0°♍	
retrograde	-9379 Feb 16 j 17:10	0°♍19'16	
	-9379 Mar 08 j 09:54	30°℞♌	
opposition	-9379 Apr 27 j 23:13	26°♌54'12	2°11'46
min. Earth dist.	-9379 Apr 28 j 13:27	26°♌51'27	8.47264 AU
direct	-9379 Jul 05 j 02:52	23°♌32'58	
	-9379 Oct 04 j 08:43	0°♍	
evening set	-9379 Oct 13 j 06:39	1°♍05'27	
conjunction	-9379 Oct 30 j 03:35	3°♍13'02	1°34'41
minimum elong	-9379 Oct 30 j 03:38	3°♍13'03	1°35'01
max. Earth dist.	-9379 Oct 29 j 12:50	3°♍08'22	10.38970 AU
morning rise	-9379 Nov 16 j 05:24	5°♍22'14	
retrograde	-9378 Mar 02 j 19:44	13°♍24'25	
opposition	-9378 May 11 j 16:44	9°♍57'24	1°40'20
min. Earth dist.	-9378 May 12 j 03:16	9°♍55'20	8.30678 AU
direct	-9378 Jul 18 j 04:35	6°♍35'03	
evening set	-9378 Oct 26 j 13:01	14°♍17'54	
conjunction	-9378 Nov 12 j 15:44	16°♍29'30	1°06'18
minimum elong	-9378 Nov 12 j 15:48	16°♍29'31	1°06'31
max. Earth dist.	-9378 Nov 12 j 06:07	16°♍26'23	10.22699 AU
morning rise	-9378 Nov 29 j 23:46	18°♍42'52	
retrograde	-9377 Mar 17 j 10:43	26°♍58'25	
opposition	-9377 May 25 j 19:32	23°♍29'34	1°02'08
min. Earth dist.	-9377 May 26 j 01:07	23°♍28'27	8.14902 AU
direct	-9377 Jul 31 j 15:17	20°♍06'00	
evening set	-9377 Nov 09 j 09:36	27°♍59'35	
	-9377 Nov 24 j 20:01	0°♎	
conjunction	-9377 Nov 26 j 18:21	0°♎15'11	0°33'18
minimum elong	-9377 Nov 26 j 18:23	0°♎15'12	0°33'22

Attention, astronomical year style is used: The year -9377 in astronomical counting style is the year 9378 BCE in historical counting style.

max. Earth dist.	-9377 Nov 26 j 14:42	0°♎13'59	10.07722 AU
morning rise	-9377 Dec 14 j 08:40	2°♎32'40	
retrograde	-9376 Mar 31 j 11:53	11°♎00'17	
opposition	-9376 Jun 08 j 06:42	7°♎29'48	0°18'52
min. Earth dist.	-9376 Jun 08 j 06:49	7°♎29'46	8.00957 AU
direct	-9376 Aug 13 j 11:58	4°♎04'54	
desc. node	-9376 Nov 12 j 15:01	10°♎50'28	
evening set	-9376 Nov 22 j 21:00	12°♎09'05	
conjunction	-9376 Dec 10 j 11:29	14°♎28'20	-0°02'44
minimum elong	-9376 Dec 10 j 11:29	14°♎28'20	0°02'48
behind sun begin	-9376 Dec 10 j 04:13	14°♎25'57	
behind sun end	-9376 Dec 10 j 18:44	14°♎30'42	
max. Earth dist.	-9376 Dec 10 j 13:55	14°♎29'05	9.95040 AU
morning rise	-9376 Dec 28 j 07:33	16°♎49'26	
retrograde	-9375 Apr 15 j 19:49	25°♎26'42	
opposition	-9375 Jun 23 j 00:30	21°♎54'56	-0°26'57
min. Earth dist.	-9375 Jun 22 j 19:26	21°♎55'59	7.89807 AU
direct	-9375 Aug 27 j 19:09	18°♎28'41	
evening set	-9375 Dec 07 j 21:59	26°♎42'34	
conjunction	-9375 Dec 25 j 17:26	29°♎04'44	-0°39'17
minimum elong	-9375 Dec 25 j 17:24	29°♎04'43	0°39'30
max. Earth dist.	-9375 Dec 26 j 02:06	29°♎07'38	9.85550 AU
	-9374 Jan 01 j 14:38	0°♏	
morning rise	-9374 Jan 12 j 18:08	1°♏28'38	
retrograde	-9374 May 01 j 07:36	10°♏12'12	
opposition	-9374 Jul 07 j 23:01	6°♏39'36	-1°12'05
min. Earth dist.	-9374 Jul 07 j 13:22	6°♏41'37	7.82256 AU
direct	-9374 Sep 11 j 11:46	3°♏12'03	
evening set	-9374 Dec 23 j 10:09	11°♏33'48	
conjunction	-9373 Jan 10 j 09:27	13°♏57'55	-1°13'53
minimum elong	-9373 Jan 10 j 09:23	13°♏57'54	1°14'13
max. Earth dist.	-9373 Jan 11 j 00:15	14°♏02'54	9.79957 AU
	-9373 Jan 18 j 02:16	15°♏	
morning rise	-9373 Jan 28 j 13:14	16°♏23'28	
retrograde	-9373 May 16 j 19:19	25°♏09'12	
opposition	-9373 Jul 22 j 23:25	21°♏36'17	-1°52'58
min. Earth dist.	-9373 Jul 22 j 09:48	21°♏39'09	7.78861 AU
direct	-9373 Sep 26 j 11:23	18°♏07'35	
evening set	-9372 Jan 08 j 06:12	26°♏34'35	
conjunction	-9372 Jan 26 j 08:03	28°♏59'31	-1°43'45
minimum elong	-9372 Jan 26 j 07:58	28°♏59'29	1°44'12
max. Earth dist.	-9372 Jan 27 j 04:05	29°♏06'15	9.78681 AU
	-9372 Feb 02 j 20:13	0°♐	
morning rise	-9372 Feb 13 j 13:13	1°♐25'25	
retrograde	-9372 May 31 j 03:00	10°♐08'43	
opposition	-9372 Aug 05 j 22:34	6°♐36'05	-2°26'14
min. Earth dist.	-9372 Aug 05 j 05:52	6°♐39'36	7.79857 AU
direct	-9372 Oct 10 j 14:44	3°♐06'27	
evening set	-9371 Jan 23 j 05:21	11°♐35'28	
conjunction	-9371 Feb 10 j 08:23	14°♐00'00	-2°06'35
minimum elong	-9371 Feb 10 j 08:19	13°♐59'59	2°07'06
max. Earth dist.	-9371 Feb 11 j 08:16	14°♐07'59	9.81800 AU
morning rise	-9371 Feb 28 j 13:18	16°♐25'01	
retrograde	-9371 Jun 15 j 04:09	25°♐01'28	
opposition	-9371 Aug 20 j 17:49	21°♐29'38	-2°49'20
min. Earth dist.	-9371 Aug 19 j 22:53	21°♐33'38	7.85130 AU
direct	-9371 Oct 25 j 18:59	17°♐59'25	
evening set	-9370 Feb 08 j 02:15	26°♐26'51	
conjunction	-9370 Feb 26 j 05:18	28°♐49'56	-2°20'46
minimum elong	-9370 Feb 26 j 05:16	28°♐49'55	2°21'20
max. Earth dist.	-9370 Feb 27 j 07:36	28°♐58'39	9.89052 AU
	-9370 Mar 07 j 01:20	0°♑	
morning rise	-9370 Mar 16 j 08:41	1°♑12'59	
retrograde	-9370 Jun 29 j 19:47	9°♑38'52	
min. Earth dist.	-9370 Sep 03 j 10:14	6°♑12'34	7.94255 AU
opposition	-9370 Sep 04 j 06:34	6°♑08'19	-3°00'52
direct	-9370 Nov 09 j 20:40	2°♑37'53	
evening set	-9369 Feb 23 j 16:31	11°♑00'20	
conjunction	-9369 Mar 13 j 18:43	13°♑21'09	-2°25'41
minimum elong	-9369 Mar 13 j 18:43	13°♑21'09	2°26'15
max. Earth dist.	-9369 Mar 14 j 21:46	13°♑29'59	9.99881 AU
morning rise	-9369 Mar 31 j 19:42	15°♑41'29	
retrograde	-9369 Jul 14 j 00:09	23°♑54'02	
opposition	-9369 Sep 18 j 10:51	20°♑25'10	-3°00'46
min. Earth dist.	-9369 Sep 17 j 14:40	20°♑29'21	8.06552 AU
direct	-9369 Nov 24 j 16:58	16°♑54'54	
evening set	-9368 Mar 09 j 20:27	25°♑09'33	
conjunction	-9368 Mar 27 j 21:04	27°♑27'33	-2°21'38
minimum elong	-9368 Mar 27 j 21:07	27°♑27'34	2°22'11
max. Earth dist.	-9368 Mar 28 j 22:58	27°♑35'52	10.13505 AU
morning rise	-9368 Apr 14 j 19:06	29°♑44'39	
	-9368 Apr 16 j 20:06	0°♒	
retrograde	-9368 Jul 26 j 15:49	7°♒42'25	
min. Earth dist.	-9368 Sep 30 j 11:18	4°♒19'19	8.21185 AU
opposition	-9368 Oct 01 j 05:53	4°♒15'31	-2°50'01
direct	-9368 Dec 08 j 05:27	0°♒45'47	
evening set	-9367 Mar 24 j 11:30	8°♒50'37	
conjunction	-9367 Apr 11 j 09:54	11°♒05'28	-2°09'38
minimum elong	-9367 Apr 11 j 09:57	11°♒05'29	2°10'07
max. Earth dist.	-9367 Apr 12 j 08:58	11°♒12'44	10.29034 AU
morning rise	-9367 Apr 29 j 04:36	13°♒19'06	
	-9367 May 13 j 03:24	15°♒	
retrograde	-9367 Aug 08 j 19:48	21°♒01'47	
opposition	-9367 Oct 14 j 15:08	17°♒36'59	-2°30'18
min. Earth dist.	-9367 Oct 13 j 23:25	17°♒40'09	8.37264 AU
	-9367 Nov 20 j 12:29	15°℞♒	
direct	-9367 Dec 22 j 08:15	14°♒08'09	
	-9366 Jan 23 j 04:37	15°♒	
evening set	-9366 Apr 07 j 12:40	22°♒02'02	
conjunction	-9366 Apr 25 j 08:21	24°♒13'37	-1°51'07
minimum elong	-9366 Apr 25 j 08:25	24°♒13'38	1°51'31
max. Earth dist.	-9366 Apr 26 j 03:01	24°♒19'24	10.45566 AU
morning rise	-9366 May 12 j 23:39	26°♒23'46	
	-9366 Jun 13 j 21:23	0°♓	
retrograde	-9366 Aug 21 j 11:38	3°♓51'59	
opposition	-9366 Oct 27 j 14:41	0°♓29'19	-2°03'41
min. Earth dist.	-9366 Oct 27 j 02:22	0°♓31'46	8.53914 AU
	-9366 Nov 02 j 18:52	30°℞♒	
direct	-9365 Jan 05 j 01:32	27°♒01'38	
	-9365 Mar 07 j 15:51	0°♓	
evening set	-9365 Apr 20 j 23:57	4°♓44'20	
conjunction	-9365 May 08 j 16:31	6°♓52'39	-1°27'41
minimum elong	-9365 May 08 j 16:35	6°♓52'41	1°27'59
max. Earth dist.	-9365 May 09 j 05:45	6°♓56'41	10.62233 AU
morning rise	-9365 May 26 j 04:16	8°♓59'27	
retrograde	-9365 Sep 02 j 15:51	16°♓14'36	
opposition	-9365 Nov 09 j 05:22	12°♓53'58	-1°32'13
min. Earth dist.	-9365 Nov 08 j 20:15	12°♓55'45	8.70299 AU
direct	-9364 Jan 18 j 10:01	9°♓27'37	
evening set	-9364 May 02 j 22:07	16°♓59'31	
conjunction	-9364 May 20 j 11:13	19°♓04'43	-1°00'57
minimum elong	-9364 May 20 j 11:16	19°♓04'44	1°01'08

Attention, astronomical year style is used: The year -9364 in astronomical counting style is the year 9365 BCE in historical counting style.

max. Earth dist.	-9364 May 20 j 19:39	19°♓07'14	10.78238 AU
morning rise	-9364 Jun 06 j 19:08	21°♓08'21	
retrograde	-9364 Sep 13 j 13:40	28°♓12'17	
opposition	-9364 Nov 20 j 12:16	24°♓53'28	-0°57'48
min. Earth dist.	-9364 Nov 20 j 06:29	24°♓54'35	8.85687 AU
direct	-9363 Jan 30 j 07:29	21°♓28'35	
evening set	-9363 May 15 j 08:27	28°♓50'31	
	-9363 May 25 j 06:42	0°♈	
conjunction	-9363 Jun 01 j 17:50	0°♈52'50	-0°32'20
minimum elong	-9363 Jun 01 j 17:52	0°♈52'51	0°32'24
max. Earth dist.	-9363 Jun 01 j 21:58	0°♈54'03	10.92899 AU
morning rise	-9363 Jun 18 j 21:45	2°♈53'35	
retrograde	-9363 Sep 25 j 03:59	9°♈48'21	
opposition	-9363 Dec 02 j 12:40	6°♈31'06	-0°22'07
min. Earth dist.	-9363 Dec 02 j 11:06	6°♈31'24	8.99462 AU
direct	-9362 Feb 11 j 18:45	3°♈07'38	
evening set	-9362 May 27 j 08:26	10°♈20'50	
conjunction	-9362 Jun 13 j 13:47	12°♈20'34	-0°03'11
minimum elong	-9362 Jun 13 j 13:48	12°♈20'34	0°03'07
behind sun begin	-9362 Jun 13 j 06:45	12°♈18'32	
behind sun end	-9362 Jun 13 j 20:50	12°♈22'35	
max. Earth dist.	-9362 Jun 13 j 13:02	12°♈20'22	11.05647 AU
morning rise	-9362 Jun 30 j 13:47	14°♈18'48	
asc. node	-9362 Jul 24 j 09:19	16°♈53'58	
retrograde	-9362 Oct 06 j 12:13	21°♈06'33	
opposition	-9362 Dec 14 j 07:52	17°♈50'34	0°13'27
min. Earth dist.	-9362 Dec 14 j 11:04	17°♈49'58	9.11103 AU
direct	-9361 Feb 23 j 23:30	14°♈28'24	
evening set	-9361 Jun 07 j 23:59	21°♈34'20	
conjunction	-9361 Jun 25 j 01:03	23°♈31'47	0°25'36
minimum elong	-9361 Jun 25 j 01:02	23°♈31'47	0°25'47
max. Earth dist.	-9361 Jun 24 j 18:34	23°♈29'55	11.16017 AU
morning rise	-9361 Jul 11 j 21:19	25°♈27'53	
	-9361 Aug 26 j 12:50	0°♉	
retrograde	-9361 Oct 17 j 16:33	2°♉10'49	
	-9361 Dec 11 j 04:17	30°℞♈	
opposition	-9361 Dec 25 j 23:12	28°♈55'44	0°47'42
min. Earth dist.	-9361 Dec 26 j 06:25	28°♈54'24	9.20189 AU
direct	-9360 Mar 06 j 21:32	25°♈34'44	
	-9360 May 25 j 05:00	0°♉	
evening set	-9360 Jun 18 j 08:34	2°♉34'54	
conjunction	-9360 Jul 05 j 05:33	4°♉30'30	0°52'52
minimum elong	-9360 Jul 05 j 05:31	4°♉30'29	0°53'09
max. Earth dist.	-9360 Jul 04 j 18:30	4°♉27'19	11.23650 AU
morning rise	-9360 Jul 21 j 22:14	6°♉24'55	
retrograde	-9360 Oct 27 j 19:45	13°♉05'13	
opposition	-9359 Jan 05 j 12:12	9°♉50'37	1°19'40
min. Earth dist.	-9359 Jan 05 j 22:26	9°♉48'45	9.26388 AU
direct	-9359 Mar 18 j 15:10	6°♉30'37	
evening set	-9359 Jun 29 j 11:48	13°♉26'37	
	-9359 Jul 13 j 04:31	15°♉	
conjunction	-9359 Jul 16 j 05:03	15°♉20'48	1°17'56
minimum elong	-9359 Jul 16 j 05:00	15°♉20'47	1°18'17
max. Earth dist.	-9359 Jul 15 j 14:50	15°♉16'43	11.28251 AU
morning rise	-9359 Aug 01 j 18:23	17°♉13'59	
retrograde	-9359 Nov 08 j 00:30	23°♉53'50	
opposition	-9358 Jan 17 j 00:18	20°♉39'23	1°48'30
min. Earth dist.	-9358 Jan 17 j 14:10	20°♉36'52	9.29444 AU
direct	-9358 Mar 30 j 03:32	17°♉20'10	
evening set	-9358 Jul 10 j 11:53	24°♉13'44	
max. Earth dist.	-9358 Jul 26 j 07:18	26°♉01'44	11.29632 AU
conjunction	-9358 Jul 27 j 01:38	26°♉06'59	1°40'05
minimum elong	-9358 Jul 27 j 01:35	26°♉06'58	1°40'30
morning rise	-9358 Aug 12 j 12:14	27°♉59'28	
	-9358 Aug 31 j 01:19	0°♊	
retrograde	-9358 Nov 19 j 04:14	4°♊40'59	
opposition	-9357 Jan 28 j 12:52	1°♊26'20	2°13'27
min. Earth dist.	-9357 Jan 29 j 06:31	1°♊23'08	9.29249 AU
	-9357 Feb 18 j 01:15	30°℞♉	
direct	-9357 Apr 10 j 12:37	28°♉07'38	
	-9357 May 30 j 07:56	0°♊	
evening set	-9357 Jul 21 j 10:23	5°♊00'30	
conjunction	-9357 Aug 06 j 21:08	6°♊53'21	1°58'41
minimum elong	-9357 Aug 06 j 21:05	6°♊53'20	1°59'10
max. Earth dist.	-9357 Aug 05 j 23:05	6°♊47'00	11.27784 AU
morning rise	-9357 Aug 23 j 05:48	8°♊45'40	
retrograde	-9357 Nov 30 j 12:49	15°♊30'55	
opposition	-9356 Feb 09 j 03:41	12°♊15'41	2°33'48
min. Earth dist.	-9356 Feb 09 j 23:45	12°♊12'03	9.25858 AU
direct	-9356 Apr 20 j 23:18	8°♊57'17	
evening set	-9356 Jul 31 j 08:47	15°♊51'00	
conjunction	-9356 Aug 16 j 17:29	17°♊43'59	2°13'09
minimum elong	-9356 Aug 16 j 17:26	17°♊43'58	2°13'41
max. Earth dist.	-9356 Aug 15 j 18:03	17°♊37'11	11.22822 AU
morning rise	-9356 Sep 02 j 00:54	19°♊36'43	
retrograde	-9356 Dec 11 j 02:20	26°♊27'38	
opposition	-9355 Feb 19 j 21:51	23°♊11'25	2°48'53
min. Earth dist.	-9355 Feb 20 j 18:42	23°♊07'37	9.19418 AU
direct	-9355 May 02 j 09:32	19°♊53'04	
evening set	-9355 Aug 11 j 09:05	26°♊49'09	
conjunction	-9355 Aug 27 j 16:41	28°♊42'52	2°22'54
minimum elong	-9355 Aug 27 j 16:40	28°♊42'51	2°23'29
max. Earth dist.	-9355 Aug 26 j 16:38	28°♊35'49	11.14926 AU
	-9355 Sep 07 j 16:56	0°♋	
morning rise	-9355 Sep 12 j 23:46	0°♋36'34	
retrograde	-9355 Dec 22 j 23:45	7°♋34'56	
opposition	-9354 Mar 03 j 20:33	4°♋17'27	2°58'02
min. Earth dist.	-9354 Mar 04 j 17:57	4°♋13'31	9.10151 AU
direct	-9354 May 13 j 21:59	0°♋58'53	
evening set	-9354 Aug 22 j 12:59	7°♋58'50	
conjunction	-9354 Sep 07 j 20:21	9°♋53'51	2°27'26
minimum elong	-9354 Sep 07 j 20:21	9°♋53'51	2°28'01
max. Earth dist.	-9354 Sep 06 j 19:16	9°♋46'26	11.04370 AU
morning rise	-9354 Sep 24 j 04:21	11°♋49'10	
retrograde	-9353 Jan 04 j 03:09	18°♋56'40	
opposition	-9353 Mar 16 j 01:24	15°♋37'37	3°00'34
min. Earth dist.	-9353 Mar 16 j 23:16	15°♋33'35	8.98372 AU
direct	-9353 May 25 j 12:51	12°♋18'37	
evening set	-9353 Sep 02 j 22:02	19°♋23'52	
max. Earth dist.	-9353 Sep 18 j 05:35	21°♋13'21	10.91520 AU
conjunction	-9353 Sep 19 j 06:20	21°♋20'47	2°26'16
minimum elong	-9353 Sep 19 j 06:21	21°♋20'47	2°26'49
morning rise	-9353 Oct 05 j 16:29	23°♋18'19	
	-9353 Dec 20 j 07:03	0°♌	
retrograde	-9352 Jan 16 j 15:41	0°♌36'35	
	-9352 Feb 13 j 11:03	30°℞♋	
opposition	-9352 Mar 27 j 13:19	27°♋15'43	2°55'53
min. Earth dist.	-9352 Mar 28 j 10:19	27°♋11'47	8.84499 AU
direct	-9352 Jun 05 j 10:57	23°♋56'04	
	-9352 Sep 03 j 22:30	0°♌	
evening set	-9352 Sep 13 j 14:15	1°♌07'58	
max. Earth dist.	-9352 Sep 29 j 02:28	3°♌00'35	10.76832 AU

Attention, astronomical year style is used: The year -9352 in astronomical counting style is the year 9353 BCE in historical counting style.

conjunction	-9352 Sep 30 j 00:55	3°♌07'26	2°18'58
minimum elong	-9352 Sep 30 j 00:58	3°♌07'27	2°19'29
morning rise	-9352 Oct 16 j 14:17	5°♌07'48	
retrograde	-9351 Jan 28 j 16:22	12°♌38'06	
opposition	-9351 Apr 09 j 09:02	9°♌15'17	2°43'31
min. Earth dist.	-9351 Apr 10 j 03:33	9°♌11'47	8.69046 AU
direct	-9351 Jun 17 j 14:59	5°♌54'50	
evening set	-9351 Sep 25 j 15:29	13°♌14'41	
	-9351 Oct 09 j 22:09	15°♌	
max. Earth dist.	-9351 Oct 11 j 10:27	15°♌11'15	10.60866 AU
conjunction	-9351 Oct 12 j 05:45	15°♌17'14	2°05'20
minimum elong	-9351 Oct 12 j 05:48	15°♌17'16	2°05'47
morning rise	-9351 Oct 28 j 23:28	17°♌21'00	
retrograde	-9350 Feb 11 j 03:35	25°♌04'21	
opposition	-9350 Apr 22 j 13:35	21°♌39'31	2°23'12
min. Earth dist.	-9350 Apr 23 j 04:32	21°♌36'38	8.52631 AU
direct	-9350 Jun 30 j 01:56	18°♌18'08	
evening set	-9350 Oct 08 j 03:33	25°♌47'03	
conjunction	-9350 Oct 24 j 22:18	27°♌53'10	1°45'20
minimum elong	-9350 Oct 24 j 22:22	27°♌53'12	1°45'42
max. Earth dist.	-9350 Oct 24 j 06:13	27°♌48'06	10.44296 AU
morning rise	-9350 Nov 10 j 21:28	0°♍00'47	
	-9350 Nov 10 j 18:55	0°♍	
retrograde	-9349 Feb 25 j 02:28	7°♍57'44	
opposition	-9349 May 06 j 03:27	4°♍30'54	1°54'59
min. Earth dist.	-9349 May 06 j 14:35	4°♍28'44	8.35994 AU
direct	-9349 Jul 12 j 22:22	1°♍08'29	
evening set	-9349 Oct 21 j 04:12	8°♍47'21	
conjunction	-9349 Nov 07 j 04:17	10°♍57'23	1°19'19
minimum elong	-9349 Nov 07 j 04:21	10°♍57'24	1°19'35
max. Earth dist.	-9349 Nov 06 j 16:19	10°♍53'32	10.27914 AU
morning rise	-9349 Nov 24 j 09:41	13°♍09'08	
retrograde	-9348 Mar 10 j 13:03	21°♍19'34	
opposition	-9348 May 19 j 02:33	17°♍50'53	1°19'32
min. Earth dist.	-9348 May 19 j 09:39	17°♍49'28	8.19987 AU
direct	-9348 Jul 25 j 04:16	14°♍27'17	
evening set	-9348 Nov 02 j 18:36	22°♍16'41	
conjunction	-9348 Nov 20 j 00:37	24°♍30'43	0°48'08
minimum elong	-9348 Nov 20 j 00:40	24°♍30'44	0°48'16
max. Earth dist.	-9348 Nov 19 j 18:06	24°♍28'36	10.12581 AU
morning rise	-9348 Dec 07 j 12:27	26°♍46'38	
	-9347 Jan 03 j 02:11	0°♎	
retrograde	-9347 Mar 25 j 09:33	5°♎09'37	
opposition	-9347 Jun 02 j 10:19	1°♎39'19	0°38'10
min. Earth dist.	-9347 Jun 02 j 12:44	1°♎38'49	8.05506 AU
	-9347 Jun 23 j 19:42	30°℞♍	
direct	-9347 Aug 07 j 21:17	28°♍14'31	
	-9347 Sep 20 j 13:59	0°♎	
evening set	-9347 Nov 16 j 23:28	6°♎14'32	
conjunction	-9347 Dec 04 j 11:27	8°♎32'21	0°13'13
minimum elong	-9347 Dec 04 j 11:28	8°♎32'21	0°13'12
behind sun begin	-9347 Dec 04 j 07:15	8°♎30'58	
behind sun end	-9347 Dec 04 j 15:41	8°♎33'44	
max. Earth dist.	-9347 Dec 04 j 11:35	8°♎32'24	9.99197 AU
morning rise	-9347 Dec 22 j 05:14	10°♎52'05	
retrograde	-9346 Apr 09 j 13:30	19°♎25'46	
desc. node	-9346 Apr 21 j 06:51	19°♎18'22	
opposition	-9346 Jun 17 j 01:27	15°♎54'09	-0°06'56
min. Earth dist.	-9346 Jun 16 j 22:36	15°♎54'44	7.93463 AU
direct	-9346 Aug 22 j 01:17	12°♎28'11	
evening set	-9346 Dec 01 j 18:29	20°♎38'14	
conjunction	-9346 Dec 19 j 11:55	22°♎59'17	-0°23'28
minimum elong	-9346 Dec 19 j 11:54	22°♎59'17	0°23'38
max. Earth dist.	-9346 Dec 19 j 19:22	23°♎01'46	9.88659 AU
morning rise	-9345 Jan 06 j 10:46	25°♎22'08	
	-9345 Feb 13 j 23:24	0°♏	
retrograde	-9345 Apr 24 j 23:25	4°♏03'38	
opposition	-9345 Jul 01 j 22:12	0°♏31'08	-0°52'49
min. Earth dist.	-9345 Jul 01 j 13:45	0°♏32'53	7.84705 AU
	-9345 Jul 08 j 04:56	30°℞♎	
direct	-9345 Sep 05 j 14:08	27°♎04'03	
	-9345 Nov 01 j 05:50	0°♏	
evening set	-9345 Dec 17 j 02:03	5°♏22'42	
conjunction	-9344 Jan 03 j 23:57	7°♏46'09	-0°59'17
minimum elong	-9344 Jan 03 j 23:54	7°♏46'08	0°59'35
max. Earth dist.	-9344 Jan 04 j 14:19	7°♏50'58	9.81738 AU
morning rise	-9344 Jan 22 j 02:30	10°♏11'08	
	-9344 Mar 02 j 01:42	15°♏	
retrograde	-9344 May 09 j 11:42	18°♏56'34	
opposition	-9344 Jul 15 j 22:05	15°♏23'44	-1°35'59
min. Earth dist.	-9344 Jul 15 j 08:37	15°♏26'33	7.79883 AU
	-9344 Jul 20 j 15:43	15°℞♏	
direct	-9344 Sep 19 j 10:07	11°♏55'39	
	-9344 Nov 16 j 13:07	15°♏	
evening set	-9344 Dec 31 j 19:21	20°♏20'41	
conjunction	-9343 Jan 18 j 20:21	22°♏45'23	-1°31'32
minimum elong	-9343 Jan 18 j 20:16	22°♏45'22	1°31'57
max. Earth dist.	-9343 Jan 19 j 16:38	22°♏52'13	9.78977 AU
morning rise	-9343 Feb 06 j 00:54	25°♏11'14	
	-9343 Mar 17 j 21:59	0°♐	
retrograde	-9343 May 24 j 22:28	3°♐56'10	
opposition	-9343 Jul 30 j 22:07	0°♐23'32	-2°12'54
min. Earth dist.	-9343 Jul 30 j 04:49	0°♐27'10	7.79381 AU
	-9343 Aug 04 j 14:12	30°℞♏	
direct	-9343 Oct 04 j 10:40	26°♏54'37	
	-9343 Dec 02 j 00:12	0°♐	
evening set	-9342 Jan 16 j 17:49	5°♐23'01	
conjunction	-9342 Feb 03 j 20:29	7°♐47'47	-1°57'39
minimum elong	-9342 Feb 03 j 20:25	7°♐47'45	1°58'09
max. Earth dist.	-9342 Feb 04 j 21:22	7°♐56'07	9.80620 AU
morning rise	-9342 Feb 22 j 01:26	10°♐13'13	
retrograde	-9342 Jun 09 j 04:28	18°♐53'03	
opposition	-9342 Aug 14 j 19:31	15°♐21'10	-2°40'36
min. Earth dist.	-9342 Aug 13 j 23:45	15°♐25'20	7.83252 AU
direct	-9342 Oct 19 j 14:29	11°♐51'39	
evening set	-9341 Feb 01 j 16:20	20°♐19'53	
conjunction	-9341 Feb 19 j 19:26	22°♐43'34	-2°15'42
minimum elong	-9341 Feb 19 j 19:24	22°♐43'33	2°16'15
max. Earth dist.	-9341 Feb 20 j 22:59	22°♐52'44	9.86549 AU
morning rise	-9341 Mar 09 j 23:28	25°♐07'27	
	-9341 Apr 20 j 02:32	0°♑	
retrograde	-9341 Jun 24 j 01:16	3°♑38'01	
opposition	-9341 Aug 29 j 11:26	0°♑07'22	-2°57'11
min. Earth dist.	-9341 Aug 28 j 14:52	0°♑11'41	7.91175 AU
	-9341 Aug 30 j 22:33	30°℞♐	
direct	-9341 Nov 03 j 17:57	26°♐37'33	
	-9340 Jan 05 j 05:27	0°♑	
evening set	-9340 Feb 17 j 10:13	5°♑02'03	
conjunction	-9340 Mar 06 j 12:42	7°♑23'45	-2°24'37
minimum elong	-9340 Mar 06 j 12:41	7°♑23'44	2°25'11
max. Earth dist.	-9340 Mar 07 j 16:29	7°♑32'52	9.96278 AU
morning rise	-9340 Mar 24 j 14:45	9°♑45'09	
retrograde	-9340 Jul 07 j 10:11	18°♑03'11	

Attention, astronomical year style is used: The year -9340 in astronomical counting style is the year 9341 BCE in historical counting style.

opposition	-9340 Sep 11 j 19:32	14°♑34'09	-3°02'01
min. Earth dist.	-9340 Sep 10 j 23:26	14°♑38'20	8.02505 AU
direct	-9340 Nov 17 j 17:37	11°♑04'22	
evening set	-9339 Mar 03 j 18:57	19°♑22'03	
conjunction	-9339 Mar 21 j 20:03	21°♑41'04	-2°24'21
minimum elong	-9339 Mar 21 j 20:04	21°♑41'04	2°24'54
max. Earth dist.	-9339 Mar 22 j 22:05	21°♑49'29	10.09022 AU
morning rise	-9339 Apr 08 j 19:26	23°♑59'24	
	-9339 Jun 03 j 06:54	0°♒	
retrograde	-9339 Jul 21 j 06:08	2°♒03'01	
	-9339 Sep 08 j 04:46	30°℞♑	
opposition	-9339 Sep 25 j 18:33	28°♑35'51	-2°55'41
min. Earth dist.	-9339 Sep 24 j 23:46	28°♑39'43	8.16352 AU
direct	-9339 Dec 02 j 10:29	25°♑06'26	
	-9338 Feb 19 j 02:47	0°♒	
evening set	-9338 Mar 18 j 15:23	3°♒15'00	
conjunction	-9338 Apr 05 j 14:37	5°♒31'01	-2°15'37
minimum elong	-9338 Apr 05 j 14:40	5°♒31'02	2°16'07
max. Earth dist.	-9338 Apr 06 j 13:37	5°♒38'19	10.23814 AU
morning rise	-9338 Apr 23 j 10:55	7°♒45'59	
	-9338 Jul 09 j 13:39	15°♒	
retrograde	-9338 Aug 03 j 14:30	15°♒34'39	
	-9338 Aug 28 j 19:40	15°℞♒	
opposition	-9338 Oct 09 j 07:46	12°♒09'29	-2°39'37
min. Earth dist.	-9338 Oct 08 j 15:05	12°♒12'52	8.31749 AU
direct	-9338 Dec 16 j 17:30	8°♒40'47	
	-9337 Mar 19 j 03:18	15°♒	
evening set	-9337 Apr 01 j 22:34	16°♒38'59	
conjunction	-9337 Apr 19 j 19:30	18°♒51'50	-1°59'44
minimum elong	-9337 Apr 19 j 19:33	18°♒51'51	2°00'09
max. Earth dist.	-9337 Apr 20 j 14:44	18°♒57'50	10.39730 AU
morning rise	-9337 May 07 j 12:23	21°♒03'22	
retrograde	-9337 Aug 16 j 11:59	28°♒37'26	
opposition	-9337 Oct 22 j 11:17	25°♒14'19	-2°15'45
min. Earth dist.	-9337 Oct 21 j 21:26	25°♒17'05	8.47861 AU
direct	-9337 Dec 30 j 14:51	21°♒46'35	
evening set	-9336 Apr 14 j 16:03	29°♒33'52	
	-9336 Apr 18 j 06:49	0°♓	
conjunction	-9336 May 02 j 10:09	1°♓43'32	-1°38'13
minimum elong	-9336 May 02 j 10:13	1°♓43'33	1°38'34
max. Earth dist.	-9336 May 03 j 01:21	1°♓48'11	10.55980 AU
morning rise	-9336 May 19 j 23:22	3°♓51'41	
retrograde	-9336 Aug 27 j 22:16	11°♓12'15	
opposition	-9336 Nov 03 j 05:59	7°♓51'05	-1°46'09
min. Earth dist.	-9336 Nov 02 j 20:05	7°♓53'02	8.63951 AU
direct	-9335 Jan 12 j 02:31	4°♓24'28	
evening set	-9335 Apr 27 j 19:59	12°♓00'54	
conjunction	-9335 May 15 j 10:45	14°♓07'25	-1°12'43
minimum elong	-9335 May 15 j 10:48	14°♓07'26	1°12'58
max. Earth dist.	-9335 May 15 j 20:53	14°♓10'29	10.71827 AU
morning rise	-9335 Jun 01 j 20:14	16°♓12'23	
retrograde	-9335 Sep 08 j 23:21	23°♓21'02	
opposition	-9335 Nov 15 j 16:27	20°♓01'38	-1°12'49
min. Earth dist.	-9335 Nov 15 j 10:53	20°♓02'43	8.79316 AU
direct	-9334 Jan 25 j 04:04	16°♓36'13	
evening set	-9334 May 10 j 11:37	24°♓02'27	
conjunction	-9334 May 27 j 22:39	26°♓06'02	-0°44'45
minimum elong	-9334 May 27 j 22:41	26°♓06'02	0°44'52
max. Earth dist.	-9334 May 28 j 02:54	26°♓07'17	10.86600 AU
morning rise	-9334 Jun 14 j 04:24	28°♓08'02	
	-9334 Jun 30 j 17:49	0°♈	

retrograde	-9334 Sep 20 j 14:42	5°♈06'42	
opposition	-9334 Nov 27 j 19:32	1°♈48'48	-0°37'30
min. Earth dist.	-9334 Nov 27 j 18:01	1°♈49'05	8.93320 AU
	-9334 Dec 22 j 23:25	30°℞♓	
direct	-9333 Feb 06 j 21:00	28°♓24'35	
	-9333 Mar 24 j 04:05	0°♈	
evening set	-9333 May 22 j 16:13	5°♈41'41	
conjunction	-9333 Jun 08 j 23:20	7°♈42'35	-0°15'41
minimum elong	-9333 Jun 08 j 23:20	7°♈42'35	0°15'40
behind sun begin	-9333 Jun 08 j 21:48	7°♈42'08	
behind sun end	-9333 Jun 09 j 00:53	7°♈43'02	
max. Earth dist.	-9333 Jun 08 j 22:14	7°♈42'16	10.99708 AU
morning rise	-9333 Jun 26 j 01:14	9°♈41'58	
retrograde	-9333 Oct 02 j 01:24	16°♈32'46	
opposition	-9333 Dec 09 j 16:54	13°♈16'03	-0°01'43
min. Earth dist.	-9333 Dec 09 j 18:41	13°♈15'43	9.05417 AU
asc. node	-9333 Dec 27 j 16:58	11°♈57'05	
direct	-9332 Feb 19 j 06:27	9°♈53'02	
evening set	-9332 Jun 02 j 11:15	17°♈02'17	
conjunction	-9332 Jun 19 j 14:22	19°♈00'49	0°13'25
minimum elong	-9332 Jun 19 j 14:21	19°♈00'48	0°13'33
behind sun begin	-9332 Jun 19 j 10:25	18°♈59'41	
behind sun end	-9332 Jun 19 j 18:17	19°♈01'56	
max. Earth dist.	-9332 Jun 19 j 09:29	18°♈59'25	11.10662 AU
morning rise	-9332 Jul 06 j 12:17	20°♈57'54	
retrograde	-9332 Oct 12 j 09:01	27°♈43'03	
opposition	-9332 Dec 20 j 09:56	24°♈27'14	0°33'15
min. Earth dist.	-9332 Dec 20 j 15:35	24°♈26'11	9.15186 AU
direct	-9331 Mar 02 j 06:14	21°♈05'20	
evening set	-9331 Jun 13 j 22:44	28°♈08'13	
conjunction	-9331 Jun 30 j 21:43	0°♉04'44	0°41'24
minimum elong	-9331 Jun 30 j 21:41	0°♉04'44	0°41'38
	-9331 Jun 30 j 05:16	0°♉	
max. Earth dist.	-9331 Jun 30 j 12:35	0°♉02'06	11.19102 AU
morning rise	-9331 Jul 17 j 15:53	1°♉59'59	
retrograde	-9331 Oct 23 j 11:55	8°♉41'36	
opposition	-9331 Dec 31 j 23:52	5°♉26'23	1°06'20
min. Earth dist.	-9330 Jan 01 j 09:50	5°♉24'33	9.22321 AU
direct	-9330 Mar 14 j 00:49	2°♉05'25	
evening set	-9330 Jun 25 j 04:16	9°♉03'35	
conjunction	-9330 Jul 11 j 23:10	10°♉58'30	1°07'32
minimum elong	-9330 Jul 11 j 23:07	10°♉58'30	1°07'51
max. Earth dist.	-9330 Jul 11 j 09:11	10°♉54'29	11.24777 AU
morning rise	-9330 Jul 28 j 14:04	12°♉52'21	
	-9330 Aug 17 j 06:12	15°♉	
retrograde	-9330 Nov 03 j 14:51	19°♉32'37	
opposition	-9329 Jan 12 j 12:14	16°♉17'39	1°36'39
min. Earth dist.	-9329 Jan 13 j 01:37	16°♉15'12	9.26598 AU
	-9329 Jan 30 j 16:23	15°℞♉	
direct	-9329 Mar 25 j 15:45	12°♉57'31	
	-9329 May 16 j 21:05	15°♉	
evening set	-9329 Jul 06 j 05:36	19°♉52'33	
conjunction	-9329 Jul 22 j 20:49	21°♉46'20	1°31'01
minimum elong	-9329 Jul 22 j 20:46	21°♉46'19	1°31'25
max. Earth dist.	-9329 Jul 22 j 03:37	21°♉41'23	11.27518 AU
morning rise	-9329 Aug 08 j 08:45	23°♉39'15	
	-9329 Oct 25 j 11:10	0°♊	
retrograde	-9329 Nov 14 j 18:24	0°♊20'17	
	-9329 Dec 05 j 08:43	30°℞♉	
opposition	-9328 Jan 24 j 00:33	27°♉05'14	2°03'23
min. Earth dist.	-9328 Jan 24 j 16:01	27°♉02'25	9.27884 AU
direct	-9328 Apr 05 j 03:02	23°♉45'48	

Attention, astronomical year style is used: The year -9328 in astronomical counting style is the year 9329 BCE in historical counting style.

	-9328 Jul 10 j 07:28	0°♊		
evening set	-9328 Jul 16 j 04:32	0°♊39'18		
conjunction	-9328 Aug 01 j 16:42	2°♊32'26	1°51'14	
minimum elong	-9328 Aug 01 j 16:39	2°♊32'25	1°51'42	
max. Earth dist.	-9328 Jul 31 j 21:35	2°♊26'56	11.27248 AU	
morning rise	-9328 Aug 18 j 02:07	4°♊24'54		
retrograde	-9328 Nov 25 j 02:57	11°♊08'45		
opposition	-9327 Feb 03 j 14:19	7°♊53'19	2°25'48	
min. Earth dist.	-9327 Feb 04 j 07:46	7°♊50'09	9.26147 AU	
direct	-9327 Apr 16 j 13:01	4°♊34'24		
evening set	-9327 Jul 27 j 02:47	11°♊27'58		
conjunction	-9327 Aug 12 j 12:26	13°♊20'58	2°07'33	
minimum elong	-9327 Aug 12 j 12:24	13°♊20'58	2°08'05	
max. Earth dist.	-9327 Aug 11 j 14:55	13°♊14'45	11.23976 AU	
morning rise	-9327 Aug 28 j 20:17	15°♊13'35		
retrograde	-9327 Dec 06 j 13:12	22°♊02'08		
opposition	-9326 Feb 15 j 06:56	18°♊46'02	2°43'14	
min. Earth dist.	-9326 Feb 16 j 02:48	18°♊42'25	9.21428 AU	
direct	-9326 Apr 27 j 21:10	15°♊27'24		
evening set	-9326 Aug 07 j 02:14	22°♊22'38		
max. Earth dist.	-9326 Aug 22 j 10:27	24°♊09'09	11.17793 AU	
conjunction	-9326 Aug 23 j 10:07	24°♊16'02	2°19'23	
minimum elong	-9326 Aug 23 j 10:05	24°♊16'02	2°19'58	
morning rise	-9326 Sep 08 j 17:21	26°♊09'21		
	-9326 Oct 15 j 15:34	0°♋		
retrograde	-9326 Dec 18 j 06:27	3°♋04'30		
	-9325 Feb 24 j 06:49	30°℞♊		
opposition	-9325 Feb 27 j 03:36	29°♊47'27	2°54'58	
min. Earth dist.	-9325 Feb 28 j 00:38	29°♊43'36	9.13860 AU	
direct	-9325 May 09 j 09:30	26°♊28'52		
	-9325 Jul 16 j 18:21	0°♋		
evening set	-9325 Aug 18 j 04:24	3°♋27'16		
conjunction	-9325 Sep 03 j 11:42	5°♋21'41	2°26'12	
minimum elong	-9325 Sep 03 j 11:41	5°♋21'41	2°26'47	
max. Earth dist.	-9325 Sep 02 j 12:03	5°♋14'43	11.08884 AU	
morning rise	-9325 Sep 19 j 19:14	7°♋16'16		
retrograde	-9325 Dec 30 j 07:15	14°♋19'48		
opposition	-9324 Mar 10 j 05:50	11°♋01'28	3°00'20	
min. Earth dist.	-9324 Mar 11 j 02:23	10°♋57'41	9.03675 AU	
direct	-9324 May 19 j 23:44	7°♋42'47		
evening set	-9324 Aug 28 j 11:04	14°♋45'43		
conjunction	-9324 Sep 13 j 18:58	16°♋41'45	2°27'29	
minimum elong	-9324 Sep 13 j 18:58	16°♋41'45	2°28'03	
max. Earth dist.	-9324 Sep 12 j 20:18	16°♋34'59	10.97529 AU	
morning rise	-9324 Sep 30 j 03:54	18°♋38'15		
retrograde	-9323 Jan 10 j 17:20	25°♋51'45		
opposition	-9323 Mar 22 j 14:40	22°♋31'54	2°58'45	
min. Earth dist.	-9323 Mar 23 j 10:03	22°♋28'18	8.91203 AU	
direct	-9323 May 31 j 18:34	19°♋12'53		
evening set	-9323 Sep 09 j 00:20	26°♋21'45		
max. Earth dist.	-9323 Sep 24 j 11:40	28°♋13'17	10.84113 AU	
conjunction	-9323 Sep 25 j 09:51	28°♋20'00	2°22'48	
minimum elong	-9323 Sep 25 j 09:53	28°♋20'00	2°23'19	
	-9323 Oct 09 j 05:39	0°♌		
morning rise	-9323 Oct 11 j 21:33	0°♌19'01		
retrograde	-9322 Jan 23 j 13:49	7°♌43'48		
opposition	-9322 Apr 04 j 07:00	4°♌22'17	2°49'38	
min. Earth dist.	-9322 Apr 05 j 01:19	4°♌18'50	8.76888 AU	
direct	-9322 Jun 12 j 18:38	1°♌02'40		
evening set	-9322 Sep 20 j 21:45	8°♌18'46		

conjunction	-9322 Oct 07 j 10:05	10°♌19'48	2°11'50
minimum elong	-9322 Oct 07 j 10:08	10°♌19'49	2°12'19
max. Earth dist.	-9322 Oct 06 j 13:26	10°♌13'27	10.69134 AU
morning rise	-9322 Oct 24 j 01:48	12°♌21'56	
	-9322 Nov 15 j 22:27	15°♌	
retrograde	-9321 Feb 05 j 18:48	19°♌59'09	
opposition	-9321 Apr 17 j 07:56	16°♌35'46	2°32'39
min. Earth dist.	-9321 Apr 18 j 00:19	16°♌32'39	8.61279 AU
	-9321 May 09 j 03:57	15°℞♌	
direct	-9321 Jun 25 j 02:39	13°♌15'22	
	-9321 Aug 09 j 07:13	15°♌	
evening set	-9321 Oct 03 j 04:53	20°♌39'50	
conjunction	-9321 Oct 19 j 21:23	22°♌44'10	1°54'29
minimum elong	-9321 Oct 19 j 21:26	22°♌44'12	1°54'53
max. Earth dist.	-9321 Oct 19 j 04:07	22°♌38'46	10.53171 AU
morning rise	-9321 Nov 05 j 18:06	24°♌49'54	
	-9321 Dec 23 j 14:40	0°♍	
retrograde	-9320 Feb 19 j 11:49	2°♍40'19	
	-9320 Apr 19 j 22:44	30°℞♌	
opposition	-9320 Apr 29 j 17:46	29°♌14'57	2°07'44
min. Earth dist.	-9320 Apr 30 j 07:00	29°♌12'24	8.45006 AU
direct	-9320 Jul 06 j 20:35	25°♌53'35	
	-9320 Sep 15 j 07:43	0°♍	
evening set	-9320 Oct 14 j 23:47	3°♍27'23	
conjunction	-9320 Oct 31 j 21:29	5°♍35'28	1°30'58
minimum elong	-9320 Oct 31 j 21:32	5°♍35'29	1°31'16
max. Earth dist.	-9320 Oct 31 j 08:38	5°♍31'23	10.36869 AU
morning rise	-9320 Nov 17 j 23:57	7°♍45'10	
retrograde	-9319 Mar 04 j 17:13	15°♍48'58	
opposition	-9319 May 13 j 12:27	12°♍21'41	1°35'16
min. Earth dist.	-9319 May 13 j 21:25	12°♍19'56	8.28759 AU
direct	-9319 Jul 19 j 22:23	8°♍59'12	
evening set	-9319 Oct 28 j 07:53	16°♍43'13	
conjunction	-9319 Nov 14 j 11:19	18°♍55'16	1°01'52
minimum elong	-9319 Nov 14 j 11:22	18°♍55'17	1°02'04
max. Earth dist.	-9319 Nov 14 j 03:00	18°♍52'35	10.20970 AU
morning rise	-9319 Dec 01 j 20:02	21°♍09'07	
retrograde	-9318 Mar 19 j 10:03	29°♍25'59	
opposition	-9318 May 27 j 16:13	25°♍56'56	0°56'16
min. Earth dist.	-9318 May 27 j 20:28	25°♍56'05	8.13375 AU
direct	-9318 Aug 02 j 09:19	22°♍33'15	
	-9318 Nov 07 j 14:40	0°♎	
evening set	-9318 Nov 11 j 06:05	0°♎27'55	
conjunction	-9318 Nov 28 j 15:23	2°♎43'54	0°28'22
minimum elong	-9318 Nov 28 j 15:25	2°♎43'54	0°28'25
max. Earth dist.	-9318 Nov 28 j 12:21	2°♎42'54	10.06403 AU
morning rise	-9318 Dec 16 j 06:24	5°♎01'47	
retrograde	-9317 Apr 03 j 11:14	13°♎30'24	
opposition	-9317 Jun 11 j 04:10	9°♎59'48	0°12'31
min. Earth dist.	-9317 Jun 11 j 03:28	9°♎59'57	7.99864 AU
direct	-9317 Aug 16 j 08:01	6°♎34'50	
desc. node	-9317 Sep 23 j 00:18	7°♎54'36	
evening set	-9317 Nov 25 j 18:51	14°♎39'58	
conjunction	-9317 Dec 13 j 09:48	16°♎59'29	-0°07'51
minimum elong	-9317 Dec 13 j 09:47	16°♎59'29	0°07'56
behind sun begin	-9317 Dec 13 j 03:17	16°♎57'21	
behind sun end	-9317 Dec 13 j 16:18	17°♎01'38	
max. Earth dist.	-9317 Dec 13 j 12:35	17°♎00'24	9.94180 AU
morning rise	-9317 Dec 31 j 06:30	19°♎20'54	
retrograde	-9316 Apr 17 j 18:58	27°♎58'47	
opposition	-9316 Jun 24 j 22:31	24°♎27'00	-0°33'21
min. Earth dist.	-9316 Jun 24 j 17:08	24°♎28'06	7.89200 AU

Attention, astronomical year style is used: The year -9316 in astronomical counting style is the year 9317 BCE in historical counting style.

direct	-9316 Aug 29 j 16:37	21°♎00'42	
evening set	-9316 Dec 09 j 21:01	29°♎15'17	
	-9316 Dec 15 j 12:33	0°♏	
conjunction	-9316 Dec 27 j 16:52	1°♏37'38	-0°44'16
minimum elong	-9316 Dec 27 j 16:50	1°♏37'37	0°44'30
max. Earth dist.	-9316 Dec 28 j 01:58	1°♏40'41	9.85196 AU
morning rise	-9315 Jan 14 j 18:01	4°♏01'42	
retrograde	-9315 May 03 j 06:14	12°♏45'24	
opposition	-9315 Jul 09 j 21:09	9°♏12'52	-1°18'04
min. Earth dist.	-9315 Jul 09 j 11:21	9°♏14'54	7.82173 AU
direct	-9315 Sep 13 j 09:49	5°♏45'17	
evening set	-9315 Dec 25 j 10:00	14°♏07'26	
	-9314 Jan 01 j 00:32	15°♏	
conjunction	-9314 Jan 12 j 09:34	16°♏31'36	-1°18'20
minimum elong	-9314 Jan 12 j 09:30	16°♏31'35	1°18'42
max. Earth dist.	-9314 Jan 13 j 01:02	16°♏36'48	9.80131 AU
morning rise	-9314 Jan 30 j 13:31	18°♏57'09	
retrograde	-9314 May 18 j 17:18	27°♏42'30	
opposition	-9314 Jul 24 j 21:14	24°♏09'43	-1°58'03
min. Earth dist.	-9314 Jul 24 j 07:15	24°♏12'39	7.79311 AU
direct	-9314 Sep 28 j 09:23	20°♏41'01	
evening set	-9313 Jan 10 j 06:13	29°♏08'02	
	-9313 Jan 16 j 19:07	0°♐	
conjunction	-9313 Jan 28 j 08:13	1°♐32'51	-1°47'21
minimum elong	-9313 Jan 28 j 08:08	1°♐32'50	1°47'49
max. Earth dist.	-9313 Jan 29 j 05:08	1°♐39'53	9.79382 AU
morning rise	-9313 Feb 15 j 13:18	3°♐58'36	
retrograde	-9313 Jun 03 j 00:44	12°♐41'00	
opposition	-9313 Aug 08 j 19:44	9°♐08'32	-2°30'01
min. Earth dist.	-9313 Aug 08 j 02:23	9°♐12'12	7.80819 AU
direct	-9313 Oct 13 j 12:59	5°♐38'57	
evening set	-9312 Jan 26 j 04:57	14°♐07'33	
conjunction	-9312 Feb 13 j 08:03	16°♐31'51	-2°09'03
minimum elong	-9312 Feb 13 j 07:59	16°♐31'50	2°09'35
max. Earth dist.	-9312 Feb 14 j 08:54	16°♐40'10	9.82993 AU
morning rise	-9312 Mar 02 j 12:43	18°♐56'35	
retrograde	-9312 Jun 17 j 00:51	27°♐31'40	
opposition	-9312 Aug 22 j 14:00	24°♐00'03	-2°51'35
min. Earth dist.	-9312 Aug 21 j 18:19	24°♐04'11	7.86542 AU
direct	-9312 Oct 27 j 16:54	20°♐29'55	
evening set	-9311 Feb 10 j 01:04	28°♐56'32	
	-9311 Feb 18 j 03:38	0°♑	
conjunction	-9311 Feb 28 j 04:04	1°♑19'17	-2°21'59
minimum elong	-9311 Feb 28 j 04:03	1°♑19'16	2°22'34
max. Earth dist.	-9311 Mar 01 j 07:11	1°♑28'15	9.90655 AU
morning rise	-9311 Mar 18 j 07:04	3°♑41'57	
retrograde	-9311 Jul 01 j 14:44	12°♑06'06	
min. Earth dist.	-9311 Sep 05 j 04:54	8°♑40'07	7.96020 AU
opposition	-9311 Sep 06 j 01:31	8°♑35'48	-3°01'32
direct	-9311 Nov 11 j 17:37	5°♑05'28	
evening set	-9310 Feb 25 j 13:57	13°♑26'46	
conjunction	-9310 Mar 15 j 15:58	15°♑47'11	-2°25'40
minimum elong	-9310 Mar 15 j 15:59	15°♑47'12	2°26'14
max. Earth dist.	-9310 Mar 16 j 19:25	15°♑56'08	10.01788 AU
morning rise	-9310 Apr 02 j 16:32	18°♑07'04	
retrograde	-9310 Jul 15 j 17:14	26°♑17'43	
min. Earth dist.	-9310 Sep 19 j 08:44	22°♑53'13	8.08564 AU
opposition	-9310 Sep 20 j 04:34	22°♑49'07	-2°59'55
direct	-9310 Nov 26 j 12:14	19°♑18'57	
evening set	-9309 Mar 12 j 16:06	27°♑32'11	
conjunction	-9309 Mar 30 j 16:27	29°♑49'46	-2°20'29
minimum elong	-9309 Mar 30 j 16:30	29°♑49'47	2°21'00
max. Earth dist.	-9309 Mar 31 j 18:01	29°♑57'57	10.15600 AU
	-9309 Apr 01 j 00:25	0°♒	
morning rise	-9309 Apr 17 j 14:08	2°♒06'24	
retrograde	-9309 Jul 29 j 07:58	10°♒02'12	
opposition	-9309 Oct 03 j 22:12	6°♒35'33	-2°47'51
min. Earth dist.	-9309 Oct 03 j 04:30	6°♒39'10	8.23322 AU
direct	-9309 Dec 10 j 22:49	3°♒05'55	
evening set	-9308 Mar 26 j 05:24	11°♒09'14	
conjunction	-9308 Apr 13 j 03:28	13°♒23'40	-2°07'31
minimum elong	-9308 Apr 13 j 03:31	13°♒23'41	2°07'58
max. Earth dist.	-9308 Apr 14 j 01:21	13°♒30'33	10.31190 AU
	-9308 Apr 25 j 22:49	15°♒	
morning rise	-9308 Apr 30 j 21:54	15°♒36'51	
retrograde	-9308 Aug 10 j 09:52	23°♒17'36	
opposition	-9308 Oct 16 j 06:01	19°♒53'03	-2°27'07
min. Earth dist.	-9308 Oct 15 j 15:08	19°♒56'03	8.39402 AU
direct	-9308 Dec 24 j 01:34	16°♒24'18	
evening set	-9307 Apr 09 j 04:46	24°♒16'41	
conjunction	-9307 Apr 27 j 00:06	26°♒27'51	-1°48'14
minimum elong	-9307 Apr 27 j 00:09	26°♒27'52	1°48'37
max. Earth dist.	-9307 Apr 27 j 17:18	26°♒33'10	10.47662 AU
morning rise	-9307 May 14 j 15:07	28°♒37'35	
	-9307 May 26 j 05:02	0°♓	
retrograde	-9307 Aug 22 j 22:49	6°♓04'05	
opposition	-9307 Oct 29 j 04:20	2°♓41'36	-1°59'43
min. Earth dist.	-9307 Oct 28 j 16:14	2°♓44'00	8.55935 AU
	-9307 Dec 07 j 08:58	30°℞♒	
direct	-9306 Jan 06 j 18:39	29°♒14'01	
	-9306 Feb 06 j 02:05	0°♓	
evening set	-9306 Apr 22 j 14:09	6°♓55'16	
conjunction	-9306 May 10 j 06:27	9°♓03'12	-1°24'16
minimum elong	-9306 May 10 j 06:31	9°♓03'13	1°24'33
max. Earth dist.	-9306 May 10 j 18:57	9°♓07'00	10.64163 AU
morning rise	-9306 May 27 j 17:51	11°♓09'37	
retrograde	-9306 Sep 04 j 03:38	18°♓23'20	
opposition	-9306 Nov 10 j 17:52	15°♓02'49	-1°27'44
min. Earth dist.	-9306 Nov 10 j 08:51	15°♓04'34	8.72106 AU
direct	-9305 Jan 20 j 00:33	11°♓36'34	
evening set	-9305 May 05 j 10:50	19°♓07'09	
conjunction	-9305 May 22 j 23:43	21°♓12'02	-0°57'11
minimum elong	-9305 May 22 j 23:45	21°♓12'02	0°57'20
max. Earth dist.	-9305 May 23 j 07:57	21°♓14'29	10.79910 AU
morning rise	-9305 Jun 09 j 07:11	23°♓15'19	
	-9305 Aug 28 j 11:27	0°♈	
retrograde	-9305 Sep 16 j 00:26	0°♈18'04	
	-9305 Oct 04 j 15:14	30°℞♓	
opposition	-9305 Nov 22 j 23:48	26°♓59'21	-0°53'02
min. Earth dist.	-9305 Nov 22 j 18:49	27°♓00'18	8.87202 AU
direct	-9304 Feb 01 j 19:14	23°♓34'32	
	-9304 May 08 j 17:25	0°♈	
evening set	-9304 May 16 j 20:00	0°♈55'24	
conjunction	-9304 Jun 03 j 05:02	2°♈57'26	-0°28'24
minimum elong	-9304 Jun 03 j 05:03	2°♈57'27	0°28'27
max. Earth dist.	-9304 Jun 03 j 08:27	2°♈58'27	10.94245 AU
morning rise	-9304 Jun 20 j 08:32	4°♈57'55	
retrograde	-9304 Sep 26 j 13:20	11°♈51'48	
opposition	-9304 Dec 03 j 23:37	8°♈34'39	-0°17'15
min. Earth dist.	-9304 Dec 03 j 23:22	8°♈34'42	9.00632 AU
direct	-9303 Feb 13 j 07:06	5°♈11'13	
evening set	-9303 May 28 j 19:02	12°♈23'36	

Attention, astronomical year style is used: The year -9303 in astronomical counting style is the year 9304 BCE in historical counting style.

asc. node	-9303 Jun 04 j 01:55	13°♈06'55	
conjunction	-9303 Jun 14 j 23:53	14°♈23'05	0°00'52
minimum elong	-9303 Jun 14 j 23:53	14°♈23'06	0°00'57
behind sun begin	-9303 Jun 14 j 16:49	14°♈21'04	
behind sun end	-9303 Jun 15 j 06:57	14°♈25'07	
max. Earth dist.	-9303 Jun 14 j 21:34	14°♈22'29	11.06624 AU
morning rise	-9303 Jul 01 j 23:35	16°♈21'07	
retrograde	-9303 Oct 07 j 21:19	23°♈08'20	
opposition	-9303 Dec 15 j 18:21	19°♈52'23	0°18'14
min. Earth dist.	-9303 Dec 15 j 22:14	19°♈51'40	9.11895 AU
direct	-9302 Feb 25 j 10:54	16°♈30'16	
evening set	-9302 Jun 09 j 09:49	23°♈35'38	
conjunction	-9302 Jun 26 j 10:30	25°♈32'55	0°29'27
minimum elong	-9302 Jun 26 j 10:29	25°♈32'55	0°29'38
max. Earth dist.	-9302 Jun 26 j 03:08	25°♈30'47	11.16608 AU
morning rise	-9302 Jul 13 j 06:28	27°♈28'53	
	-9302 Aug 05 j 15:45	0°♉	
retrograde	-9302 Oct 19 j 01:33	4°♉11'36	
opposition	-9302 Dec 27 j 09:18	0°♉56'30	0°52'16
min. Earth dist.	-9302 Dec 27 j 16:33	0°♉55'10	9.20584 AU
	-9301 Jan 09 j 07:56	30°℞♈	
direct	-9301 Mar 09 j 08:57	27°♈35'33	
	-9301 May 05 j 08:28	0°♉	
evening set	-9301 Jun 20 j 17:58	4°♉35'26	
conjunction	-9301 Jul 07 j 14:40	6°♉30'55	0°56'30
minimum elong	-9301 Jul 07 j 14:38	6°♉30'54	0°56'47
max. Earth dist.	-9301 Jul 07 j 03:41	6°♉27'45	11.23843 AU
morning rise	-9301 Jul 24 j 06:55	8°♉25'13	
	-9301 Oct 19 j 15:23	15°♉	
retrograde	-9301 Oct 30 j 06:22	15°♉05'36	
	-9301 Nov 09 j 21:27	15°℞♉	
opposition	-9300 Jan 07 j 22:22	11°♉51'01	1°23'54
min. Earth dist.	-9300 Jan 08 j 09:03	11°♉49'03	9.26393 AU
direct	-9300 Mar 20 j 01:07	8°♉31'04	
	-9300 Jun 26 j 20:13	15°♉	
evening set	-9300 Jun 30 j 21:06	15°♉27'00	
conjunction	-9300 Jul 17 j 13:57	17°♉21'08	1°21'13
minimum elong	-9300 Jul 17 j 13:54	17°♉21'07	1°21'35
max. Earth dist.	-9300 Jul 16 j 23:12	17°♉16'53	11.28070 AU
morning rise	-9300 Aug 03 j 02:56	19°♉14'16	
retrograde	-9300 Nov 09 j 09:17	25°♉54'27	
opposition	-9299 Jan 18 j 10:48	22°♉39'58	1°52'16
min. Earth dist.	-9299 Jan 19 j 01:39	22°♉37'16	9.29100 AU
direct	-9299 Mar 31 j 12:37	19°♉20'46	
evening set	-9299 Jul 11 j 21:13	26°♉14'29	
conjunction	-9299 Jul 28 j 10:32	28°♉07'43	1°42'56
minimum elong	-9299 Jul 28 j 10:29	28°♉07'42	1°43'22
max. Earth dist.	-9299 Jul 27 j 15:13	28°♉02'10	11.29116 AU
morning rise	-9299 Aug 13 j 20:59	0°♊00'13	
	-9299 Aug 13 j 20:12	0°♊	
retrograde	-9299 Nov 20 j 14:44	6°♊42'18	
opposition	-9298 Jan 29 j 23:44	3°♊27'35	2°16'38
min. Earth dist.	-9298 Jan 30 j 17:53	3°♊24'17	9.28573 AU
direct	-9298 Apr 11 j 23:48	0°♊08'53	
evening set	-9298 Jul 22 j 19:48	7°♊02'05	
max. Earth dist.	-9298 Aug 07 j 08:15	8°♊48'37	11.26926 AU
conjunction	-9298 Aug 08 j 06:20	8°♊55'00	2°01'00
minimum elong	-9298 Aug 08 j 06:18	8°♊54'59	2°01'30
morning rise	-9298 Aug 24 j 14:51	10°♊47'24	
retrograde	-9298 Dec 01 j 23:41	17°♊33'28	
opposition	-9297 Feb 10 j 14:58	14°♊18'07	2°36'18
min. Earth dist.	-9297 Feb 11 j 10:46	14°♊14'31	9.24825 AU
direct	-9297 Apr 23 j 09:35	10°♊59'44	
evening set	-9297 Aug 02 j 18:37	17°♊54'00	
max. Earth dist.	-9297 Aug 18 j 04:04	19°♊40'24	11.21601 AU
conjunction	-9297 Aug 19 j 03:14	19°♊47'07	2°14'51
minimum elong	-9297 Aug 19 j 03:12	19°♊47'07	2°15'24
morning rise	-9297 Sep 04 j 10:28	21°♊39'59	
retrograde	-9297 Dec 13 j 15:47	28°♊32'00	
opposition	-9296 Feb 22 j 09:59	25°♊15'41	2°50'36
min. Earth dist.	-9296 Feb 23 j 06:52	25°♊11'52	9.18025 AU
direct	-9296 May 03 j 20:41	21°♊57'20	
evening set	-9296 Aug 12 j 19:39	28°♊54'11	
	-9296 Aug 22 j 06:51	0°♋	
max. Earth dist.	-9296 Aug 28 j 02:23	0°♋40'51	11.13365 AU
conjunction	-9296 Aug 29 j 03:07	0°♋48'06	2°23'54
minimum elong	-9296 Aug 29 j 03:06	0°♋48'05	2°24'29
morning rise	-9296 Sep 14 j 10:16	2°♋42'02	
retrograde	-9296 Dec 24 j 12:39	9°♋41'43	
opposition	-9295 Mar 05 j 09:51	6°♋24'07	2°58'50
min. Earth dist.	-9295 Mar 06 j 07:52	6°♋20'05	9.08436 AU
direct	-9295 May 15 j 07:58	3°♋05'32	
evening set	-9295 Aug 24 j 00:22	10°♋06'28	
max. Earth dist.	-9295 Sep 08 j 06:09	11°♋54'09	11.02516 AU
conjunction	-9295 Sep 09 j 07:46	12°♋01'45	2°27'38
minimum elong	-9295 Sep 09 j 07:46	12°♋01'45	2°28'13
morning rise	-9295 Sep 25 j 16:04	13°♋57'23	
retrograde	-9294 Jan 05 j 17:18	21°♋06'27	
opposition	-9294 Mar 17 j 15:48	17°♋47'14	3°00'21
min. Earth dist.	-9294 Mar 18 j 14:00	17°♋43'07	8.96382 AU
direct	-9294 May 27 j 02:10	14°♋28'11	
evening set	-9294 Sep 04 j 10:31	21°♋34'35	
conjunction	-9294 Sep 20 j 19:08	23°♋31'52	2°25'36
minimum elong	-9294 Sep 20 j 19:09	23°♋31'52	2°26'08
max. Earth dist.	-9294 Sep 19 j 18:55	23°♋24'34	10.89417 AU
morning rise	-9294 Oct 07 j 05:34	25°♋29'47	
	-9294 Nov 18 j 21:43	0°♌	
retrograde	-9293 Jan 18 j 08:55	2°♌49'46	
	-9293 Mar 23 j 04:51	30°℞♋	
opposition	-9293 Mar 30 j 04:51	29°♋28'43	2°54'36
min. Earth dist.	-9293 Mar 31 j 01:20	29°♋24'53	8.82292 AU
direct	-9293 Jun 08 j 01:08	26°♋09'01	
	-9293 Aug 16 j 22:47	0°♌	
evening set	-9293 Sep 16 j 04:02	3°♌22'12	
conjunction	-9293 Oct 02 j 15:10	5°♌22'05	2°17'24
minimum elong	-9293 Oct 02 j 15:13	5°♌22'06	2°17'54
max. Earth dist.	-9293 Oct 01 j 17:24	5°♌15'26	10.74550 AU
morning rise	-9293 Oct 19 j 04:55	7°♌22'54	
retrograde	-9292 Jan 31 j 10:27	14°♌55'04	
opposition	-9292 Apr 11 j 02:04	11°♌32'01	2°41'05
min. Earth dist.	-9292 Apr 11 j 19:43	11°♌28'40	8.66703 AU
direct	-9292 Jun 19 j 05:08	8°♌11'30	
	-9292 Sep 22 j 18:30	15°♌	
evening set	-9292 Sep 27 j 06:48	15°♌32'42	
conjunction	-9292 Oct 13 j 21:31	17°♌35'45	2°02'50
minimum elong	-9292 Oct 13 j 21:35	17°♌35'46	2°03'16
max. Earth dist.	-9292 Oct 13 j 02:18	17°♌29'47	10.58503 AU
morning rise	-9292 Oct 30 j 15:54	19°♌40'02	
retrograde	-9291 Feb 12 j 23:39	27°♌25'17	
opposition	-9291 Apr 24 j 08:06	24°♌00'13	2°19'36
min. Earth dist.	-9291 Apr 24 j 22:38	23°♌57'25	8.50257 AU
direct	-9291 Jul 01 j 18:13	20°♌38'42	

Attention, astronomical year style is used: The year -9291 in astronomical counting style is the year 9292 BCE in historical counting style.

evening set	-9291 Oct 09 j 20:39	28°♌09'03	
	-9291 Oct 24 j 14:18	0°♍	
conjunction	-9291 Oct 26 j 15:57	0°♍15'42	1°41'55
minimum elong	-9291 Oct 26 j 16:01	0°♍15'44	1°42'16
max. Earth dist.	-9291 Oct 25 j 23:45	0°♍10'35	10.41961 AU
morning rise	-9291 Nov 12 j 15:56	2°♍23'53	
retrograde	-9290 Feb 27 j 00:08	10°♍22'39	
opposition	-9290 May 07 j 23:16	6°♍55'36	1°50'17
min. Earth dist.	-9290 May 08 j 10:25	6°♍53'25	8.33706 AU
direct	-9290 Jul 14 j 15:38	3°♍33'00	
evening set	-9290 Oct 22 j 23:01	11°♍13'21	
conjunction	-9290 Nov 08 j 23:49	13°♍23'54	1°15'06
minimum elong	-9290 Nov 08 j 23:52	13°♍23'55	1°15'20
max. Earth dist.	-9290 Nov 08 j 12:31	13°♍20'16	10.25721 AU
morning rise	-9290 Nov 26 j 06:01	15°♍36'13	
retrograde	-9289 Mar 13 j 11:26	23°♍48'21	
opposition	-9289 May 21 j 23:41	20°♍19'25	1°13'53
min. Earth dist.	-9289 May 22 j 06:28	20°♍18'04	8.17905 AU
direct	-9289 Jul 27 j 23:36	16°♍55'39	
evening set	-9289 Nov 05 j 15:08	24°♍46'28	
conjunction	-9289 Nov 22 j 21:57	27°♍01'00	0°43'18
minimum elong	-9289 Nov 22 j 22:00	27°♍01'01	0°43'24
max. Earth dist.	-9289 Nov 22 j 16:54	26°♍59'21	10.10647 AU
morning rise	-9289 Dec 10 j 10:28	29°♍17'25	
	-9289 Dec 16 j 00:41	0°♎	
retrograde	-9288 Mar 27 j 08:05	7°♎41'53	
opposition	-9288 Jun 04 j 08:31	4°♎11'20	0°31'51
min. Earth dist.	-9288 Jun 04 j 10:02	4°♎11'01	8.03748 AU
direct	-9288 Aug 09 j 19:12	0°♎46'21	
evening set	-9288 Nov 18 j 21:51	8°♎47'39	
conjunction	-9288 Dec 06 j 10:36	11°♎05'55	0°08'02
minimum elong	-9288 Dec 06 j 10:36	11°♎05'55	0°08'00
behind sun begin	-9288 Dec 06 j 04:08	11°♎03'48	
behind sun end	-9288 Dec 06 j 17:04	11°♎08'02	
max. Earth dist.	-9288 Dec 06 j 12:22	11°♎06'29	9.97636 AU
morning rise	-9288 Dec 24 j 04:57	13°♎26'03	
desc. node	-9287 Feb 28 j 01:01	20°♎26'29	
retrograde	-9287 Apr 11 j 13:08	22°♎00'50	
opposition	-9287 Jun 19 j 00:22	18°♎29'00	-0°13'31
min. Earth dist.	-9287 Jun 18 j 20:15	18°♎29'51	7.92133 AU
direct	-9287 Aug 23 j 23:24	15°♎02'51	
evening set	-9287 Dec 03 j 18:30	23°♎13'57	
conjunction	-9287 Dec 21 j 12:31	25°♎35'21	-0°28'42
minimum elong	-9287 Dec 21 j 12:29	25°♎35'20	0°28'52
max. Earth dist.	-9287 Dec 21 j 21:17	25°♎38'16	9.87561 AU
morning rise	-9286 Jan 08 j 11:46	27°♎58'30	
	-9286 Jan 24 j 08:53	0°♏	
retrograde	-9286 Apr 27 j 00:09	6°♏40'36	
opposition	-9286 Jul 03 j 21:37	3°♏07'56	-0°59'13
min. Earth dist.	-9286 Jul 03 j 11:58	3°♏09'57	7.83876 AU
	-9286 Aug 20 j 05:33	30°℞♎	
direct	-9286 Sep 07 j 12:13	29°♎40'40	
	-9286 Sep 25 j 16:31	0°♏	
evening set	-9286 Dec 19 j 03:11	8°♏00'05	
conjunction	-9285 Jan 06 j 01:25	10°♏23'42	-1°04'09
minimum elong	-9285 Jan 06 j 01:22	10°♏23'41	1°04'28
max. Earth dist.	-9285 Jan 06 j 16:40	10°♏28'49	9.81170 AU
morning rise	-9285 Jan 24 j 04:13	12°♏48'49	
	-9285 Feb 10 j 06:24	15°♏	
retrograde	-9285 May 12 j 12:57	21°♏34'20	
opposition	-9285 Jul 18 j 21:37	18°♏01'23	-1°41'41
min. Earth dist.	-9285 Jul 18 j 07:26	18°♏04'21	7.79605 AU
	-9285 Aug 31 j 20:02	15°℞♏	
direct	-9285 Sep 22 j 08:33	14°♏33'06	
	-9285 Oct 13 j 20:16	15°♏	
evening set	-9284 Jan 03 j 21:07	22°♏58'32	
conjunction	-9284 Jan 21 j 22:15	25°♏23'15	-1°35'40
minimum elong	-9284 Jan 21 j 22:11	25°♏23'14	1°36'05
max. Earth dist.	-9284 Jan 22 j 18:56	25°♏30'12	9.78973 AU
morning rise	-9284 Feb 09 j 02:57	27°♏49'06	
	-9284 Feb 26 j 03:55	0°♐	
retrograde	-9284 May 26 j 23:34	6°♐33'30	
opposition	-9284 Aug 01 j 21:20	3°♐00'50	-2°17'27
min. Earth dist.	-9284 Aug 01 j 03:55	3°♐04'31	7.79665 AU
	-9284 Sep 14 j 08:24	30°℞♏	
direct	-9284 Oct 06 j 10:28	29°♏31'45	
	-9284 Oct 28 j 12:41	0°♐	
evening set	-9283 Jan 18 j 19:41	8°♐00'09	
conjunction	-9283 Feb 05 j 22:20	10°♐24'46	-2°00'44
minimum elong	-9283 Feb 05 j 22:16	10°♐24'45	2°01'15
max. Earth dist.	-9283 Feb 06 j 23:07	10°♐33'04	9.81168 AU
morning rise	-9283 Feb 24 j 03:17	12°♐50'04	
retrograde	-9283 Jun 11 j 04:03	21°♐28'49	
opposition	-9283 Aug 16 j 18:04	17°♐57'00	-2°43'40
min. Earth dist.	-9283 Aug 15 j 22:31	18°♐01'07	7.84063 AU
direct	-9283 Oct 21 j 15:02	14°♐27'23	
evening set	-9282 Feb 03 j 17:35	22°♐55'10	
conjunction	-9282 Feb 21 j 20:33	25°♐18'36	-2°17'32
minimum elong	-9282 Feb 21 j 20:30	25°♐18'36	2°18'05
max. Earth dist.	-9282 Feb 22 j 23:46	25°♐27'38	9.87602 AU
morning rise	-9282 Mar 12 j 00:26	27°♐42'12	
	-9282 Mar 30 j 05:56	0°♑	
retrograde	-9282 Jun 25 j 22:16	6°♑11'18	
opposition	-9282 Aug 31 j 09:01	2°♑40'48	-2°58'36
min. Earth dist.	-9282 Aug 30 j 12:30	2°♑45'06	7.92460 AU
	-9282 Oct 06 j 23:53	30°℞♐	
direct	-9282 Nov 05 j 18:07	29°♐10'58	
	-9282 Dec 05 j 10:10	0°♑	
evening set	-9281 Feb 19 j 10:18	7°♑34'37	
conjunction	-9281 Mar 09 j 12:38	9°♑55'59	-2°25'08
minimum elong	-9281 Mar 09 j 12:37	9°♑55'59	2°25'42
max. Earth dist.	-9281 Mar 10 j 16:14	10°♑05'02	9.97782 AU
morning rise	-9281 Mar 27 j 14:27	12°♑17'01	
retrograde	-9281 Jul 10 j 05:06	20°♑33'19	
opposition	-9281 Sep 14 j 15:51	17°♑04'30	-3°01'48
min. Earth dist.	-9281 Sep 13 j 19:25	17°♑08'45	8.04208 AU
direct	-9281 Nov 20 j 16:22	13°♑34'46	
evening set	-9280 Mar 05 j 17:33	21°♑51'15	
conjunction	-9280 Mar 23 j 18:32	24°♑09'55	-2°23'37
minimum elong	-9280 Mar 23 j 18:34	24°♑09'55	2°24'10
max. Earth dist.	-9280 Mar 24 j 20:48	24°♑18'23	10.10923 AU
morning rise	-9280 Apr 10 j 17:36	26°♑27'48	
	-9280 May 10 j 12:30	0°♒	
retrograde	-9280 Jul 23 j 00:19	4°♒29'30	
opposition	-9280 Sep 27 j 13:31	1°♒02'34	-2°53'59
min. Earth dist.	-9280 Sep 26 j 18:07	1°♒06'33	8.18420 AU
	-9280 Oct 10 j 11:30	30°℞♑	
direct	-9280 Dec 04 j 07:13	27°♑33'16	
	-9279 Jan 27 j 04:18	0°♒	
evening set	-9279 Mar 20 j 12:19	5°♒40'20	
conjunction	-9279 Apr 07 j 11:23	7°♒55'56	-2°13'48
minimum elong	-9279 Apr 07 j 11:26	7°♒55'57	2°14'18

Attention, astronomical year style is used: The year -9279 in astronomical counting style is the year 9280 BCE in historical counting style.

max. Earth dist.	-9279 Apr 08 j 11:01	8°♒03'25	10.26050 AU
morning rise	-9279 Apr 25 j 07:13	10°♒10'25	
	-9279 Jun 07 j 15:58	15°♒	
retrograde	-9279 Aug 05 j 07:51	17°♒57'01	
	-9279 Oct 05 j 07:01	15°℞♒	
min. Earth dist.	-9279 Oct 10 j 08:23	14°♒35'32	8.34095 AU
opposition	-9279 Oct 11 j 01:19	14°♒32'06	-2°36'42
direct	-9279 Dec 18 j 13:00	11°♒03'33	
	-9278 Feb 27 j 07:10	15°♒	
evening set	-9278 Apr 03 j 17:31	19°♒00'02	
conjunction	-9278 Apr 21 j 14:10	21°♒12'26	-1°57'02
minimum elong	-9278 Apr 21 j 14:14	21°♒12'27	1°57'27
max. Earth dist.	-9278 Apr 22 j 09:49	21°♒18'33	10.42165 AU
morning rise	-9278 May 09 j 06:34	23°♒23'28	
	-9278 Jul 16 j 23:37	0°♓	
retrograde	-9278 Aug 18 j 02:57	0°♓55'32	
	-9278 Sep 19 j 14:06	30°℞♒	
opposition	-9278 Oct 24 j 03:24	27°♒32'42	-2°11'55
min. Earth dist.	-9278 Oct 23 j 14:10	27°♒35'20	8.50320 AU
direct	-9277 Jan 01 j 09:02	24°♒05'08	
	-9277 Apr 01 j 12:53	0°♓	
evening set	-9277 Apr 17 j 09:01	1°♓50'43	
conjunction	-9277 May 05 j 02:45	3°♓59'55	-1°34'52
minimum elong	-9277 May 05 j 02:49	3°♓59'56	1°35'11
max. Earth dist.	-9277 May 05 j 17:23	4°♓04'23	10.58429 AU
morning rise	-9277 May 22 j 15:35	6°♓07'37	
retrograde	-9277 Aug 30 j 12:03	13°♓26'22	
opposition	-9277 Nov 05 j 20:43	10°♓05'30	-1°41'40
min. Earth dist.	-9277 Nov 05 j 11:52	10°♓07'14	8.66346 AU
direct	-9276 Jan 14 j 18:48	6°♓39'05	
evening set	-9276 Apr 29 j 11:16	14°♓13'58	
conjunction	-9276 May 17 j 01:34	16°♓20'05	-1°08'56
minimum elong	-9276 May 17 j 01:37	16°♓20'06	1°09'08
max. Earth dist.	-9276 May 17 j 10:11	16°♓22'40	10.74136 AU
morning rise	-9276 Jun 03 j 10:44	18°♓24'37	
retrograde	-9276 Sep 10 j 10:47	25°♓31'45	
opposition	-9276 Nov 17 j 05:58	22°♓12'38	-1°07'57
min. Earth dist.	-9276 Nov 17 j 00:59	22°♓13'35	8.81510 AU
direct	-9275 Jan 26 j 19:19	18°♓47'26	
evening set	-9275 May 12 j 01:19	26°♓12'19	
conjunction	-9275 May 29 j 11:56	28°♓15'31	-0°40'43
minimum elong	-9275 May 29 j 11:57	28°♓15'32	0°40'49
max. Earth dist.	-9275 May 29 j 15:04	28°♓16'27	10.88654 AU
	-9275 Jun 13 j 06:14	0°♈	
morning rise	-9275 Jun 15 j 17:18	0°♈17'11	
retrograde	-9275 Sep 22 j 02:08	7°♈14'40	
opposition	-9275 Nov 29 j 08:10	3°♈57'00	-0°32'28
min. Earth dist.	-9275 Nov 29 j 06:42	3°♈57'16	8.95212 AU
direct	-9274 Feb 08 j 12:15	0°♈33'01	
evening set	-9274 May 24 j 04:31	7°♈48'59	
conjunction	-9274 Jun 10 j 11:18	9°♈49'34	-0°11'35
minimum elong	-9274 Jun 10 j 11:19	9°♈49'34	0°11'32
behind sun begin	-9274 Jun 10 j 06:14	9°♈48'06	
behind sun end	-9274 Jun 10 j 16:24	9°♈51'02	
max. Earth dist.	-9274 Jun 10 j 10:01	9°♈49'12	11.01418 AU
morning rise	-9274 Jun 27 j 12:44	11°♈48'38	
retrograde	-9274 Oct 03 j 13:23	18°♈38'35	
asc. node	-9274 Nov 06 j 16:05	17°♈41'46	
opposition	-9274 Dec 11 j 04:50	15°♈22'05	0°03'17
min. Earth dist.	-9274 Dec 11 j 07:14	15°♈21'38	9.06930 AU
direct	-9273 Feb 20 j 18:22	11°♈59'17	
evening set	-9273 Jun 04 j 22:42	19°♈07'39	

conjunction	-9273 Jun 22 j 01:24	21°♈05'56	0°17'27
minimum elong	-9273 Jun 22 j 01:23	21°♈05'56	0°17'37
max. Earth dist.	-9273 Jun 21 j 19:51	21°♈04'20	11.11958 AU
morning rise	-9273 Jul 08 j 22:52	23°♈02'47	
retrograde	-9273 Oct 14 j 18:42	29°♈47'23	
opposition	-9273 Dec 22 j 21:24	26°♈31'44	0°38'04
min. Earth dist.	-9273 Dec 23 j 04:23	26°♈30'26	9.16266 AU
direct	-9272 Mar 03 j 17:45	23°♈09'59	
	-9272 Jun 13 j 13:48	0°♉	
evening set	-9272 Jun 15 j 09:32	0°♉12'17	
conjunction	-9272 Jul 02 j 07:59	2°♉08'36	0°45'15
minimum elong	-9272 Jul 02 j 07:57	2°♉08'36	0°45'30
max. Earth dist.	-9272 Jul 01 j 21:16	2°♉05'31	11.19942 AU
morning rise	-9272 Jul 19 j 01:51	4°♉03'41	
retrograde	-9272 Oct 24 j 22:25	10°♉45'05	
opposition	-9271 Jan 02 j 11:13	7°♉29'57	1°10'50
min. Earth dist.	-9271 Jan 02 j 22:07	7°♉27'57	9.22931 AU
direct	-9271 Mar 15 j 12:53	4°♉09'07	
evening set	-9271 Jun 26 j 14:30	11°♉06'55	
conjunction	-9271 Jul 13 j 08:58	13°♉01'42	1°11'03
minimum elong	-9271 Jul 13 j 08:56	13°♉01'42	1°11'23
max. Earth dist.	-9271 Jul 12 j 18:05	12°♉57'26	11.25134 AU
morning rise	-9271 Jul 29 j 23:34	14°♉55'27	
	-9271 Jul 30 j 15:48	15°♉	
retrograde	-9271 Nov 05 j 00:42	21°♉35'49	
opposition	-9270 Jan 13 j 23:33	18°♉20'50	1°40'43
min. Earth dist.	-9270 Jan 14 j 13:02	18°♉18'22	9.26710 AU
direct	-9270 Mar 27 j 03:05	15°♉00'47	
evening set	-9270 Jul 07 j 15:38	21°♉55'42	
conjunction	-9270 Jul 24 j 06:35	23°♉49'25	1°34'08
minimum elong	-9270 Jul 24 j 06:32	23°♉49'24	1°34'33
max. Earth dist.	-9270 Jul 23 j 13:19	23°♉44'28	11.27370 AU
morning rise	-9270 Aug 09 j 18:07	25°♉42'17	
	-9270 Sep 21 j 18:54	0°♊	
retrograde	-9270 Nov 16 j 06:51	2°♊23'42	
	-9269 Jan 13 j 14:19	30°℞♉	
opposition	-9269 Jan 25 j 11:59	29°♉08'35	2°06'54
min. Earth dist.	-9269 Jan 26 j 03:54	29°♉05'41	9.27488 AU
direct	-9269 Apr 07 j 14:49	25°♉49'09	
	-9269 Jun 23 j 03:16	0°♊	
evening set	-9269 Jul 18 j 14:40	2°♊42'49	
max. Earth dist.	-9269 Aug 03 j 06:33	4°♊30'12	11.26593 AU
conjunction	-9269 Aug 04 j 02:31	4°♊35'57	1°53'51
minimum elong	-9269 Aug 04 j 02:28	4°♊35'56	1°54'20
morning rise	-9269 Aug 20 j 11:41	6°♊28'28	
retrograde	-9269 Nov 27 j 13:24	13°♊12'55	
opposition	-9268 Feb 06 j 02:16	9°♊57'23	2°28'40
min. Earth dist.	-9268 Feb 06 j 20:52	9°♊54'00	9.25253 AU
direct	-9268 Apr 17 j 22:35	6°♊38'24	
evening set	-9268 Jul 28 j 13:11	13°♊32'22	
conjunction	-9268 Aug 13 j 22:29	15°♊25'26	2°09'34
minimum elong	-9268 Aug 13 j 22:27	15°♊25'25	2°10'06
max. Earth dist.	-9268 Aug 12 j 23:43	15°♊18'50	11.22840 AU
morning rise	-9268 Aug 30 j 06:18	17°♊18'09	
retrograde	-9268 Dec 08 j 01:10	24°♊07'39	
opposition	-9267 Feb 16 j 19:31	20°♊51'22	2°45'20
min. Earth dist.	-9267 Feb 17 j 16:08	20°♊47'36	9.20067 AU
direct	-9267 Apr 29 j 09:47	17°♊32'36	
evening set	-9267 Aug 08 j 13:03	24°♊28'28	
conjunction	-9267 Aug 24 j 20:52	26°♊22'02	2°20'44
minimum elong	-9267 Aug 24 j 20:51	26°♊22'02	2°21'18

Attention, astronomical year style is used: The year -9267 in astronomical counting style is the year 9268 BCE in historical counting style.

max. Earth dist.	-9267 Aug 23 j 21:07	26°♊15'06	11.16210 AU
morning rise	-9267 Sep 10 j 04:06	28°♊15'32	
	-9267 Sep 25 j 19:56	0°♋	
retrograde	-9267 Dec 19 j 19:47	5°♋11'53	
opposition	-9266 Feb 28 j 16:51	1°♋54'34	2°56'12
min. Earth dist.	-9266 Mar 01 j 13:45	1°♋50'44	9.12068 AU
	-9266 Mar 28 j 12:11	30°℞♊	
direct	-9266 May 10 j 21:43	28°♊35'51	
	-9266 Jun 21 j 22:27	0°♋	
evening set	-9266 Aug 19 j 15:55	5°♋35'05	
conjunction	-9266 Sep 04 j 23:20	7°♋29'46	2°26'47
minimum elong	-9266 Sep 04 j 23:19	7°♋29'46	2°27'21
max. Earth dist.	-9266 Sep 03 j 23:53	7°♋22'51	11.06893 AU
morning rise	-9266 Sep 21 j 06:55	9°♋24'38	
retrograde	-9266 Dec 31 j 22:22	16°♋29'36	
opposition	-9265 Mar 12 j 20:05	13°♋10'59	3°00'37
min. Earth dist.	-9265 Mar 13 j 16:28	13°♋07'14	9.01499 AU
direct	-9265 May 22 j 12:32	9°♋52'08	
evening set	-9265 Aug 30 j 23:35	16°♋56'09	
max. Earth dist.	-9265 Sep 15 j 08:21	18°♋45'35	10.95194 AU
conjunction	-9265 Sep 16 j 07:36	18°♋52'32	2°27'13
minimum elong	-9265 Sep 16 j 07:37	18°♋52'32	2°27'47
morning rise	-9265 Oct 02 j 16:51	20°♋49'24	
retrograde	-9264 Jan 13 j 10:09	28°♋04'34	
opposition	-9264 Mar 24 j 06:17	24°♋44'26	2°57'58
min. Earth dist.	-9264 Mar 25 j 02:03	24°♋40'45	8.88722 AU
direct	-9264 Jun 02 j 07:42	21°♋25'13	
evening set	-9264 Sep 10 j 14:04	28°♋35'22	
	-9264 Sep 22 j 07:39	0°♌	
conjunction	-9264 Sep 26 j 23:50	0°♌34'02	2°21'38
minimum elong	-9264 Sep 26 j 23:52	0°♌34'03	2°22'09
max. Earth dist.	-9264 Sep 26 j 01:12	0°♌27'10	10.81528 AU
morning rise	-9264 Oct 13 j 12:06	2°♌33'32	
retrograde	-9263 Jan 25 j 06:23	10°♌00'14	
opposition	-9263 Apr 06 j 00:05	6°♌38'23	2°47'42
min. Earth dist.	-9263 Apr 06 j 18:45	6°♌34'52	8.74207 AU
direct	-9263 Jun 14 j 09:11	3°♌18'34	
evening set	-9263 Sep 22 j 12:54	10°♌36'10	
max. Earth dist.	-9263 Oct 08 j 05:49	12°♌31'32	10.66404 AU
conjunction	-9263 Oct 09 j 01:48	12°♌37'42	2°09'43
minimum elong	-9263 Oct 09 j 01:52	12°♌37'43	2°10'11
morning rise	-9263 Oct 25 j 18:08	14°♌40'22	
	-9263 Oct 28 j 11:21	15°♌	
retrograde	-9262 Feb 07 j 14:07	22°♌19'41	
opposition	-9262 Apr 19 j 02:29	18°♌55'58	2°29'32
min. Earth dist.	-9262 Apr 19 j 18:24	18°♌52'56	8.58518 AU
direct	-9262 Jun 26 j 20:11	15°♌35'23	
evening set	-9262 Oct 04 j 21:48	23°♌01'28	
conjunction	-9262 Oct 21 j 15:01	25°♌06'23	1°51'26
minimum elong	-9262 Oct 21 j 15:05	25°♌06'25	1°51'49
max. Earth dist.	-9262 Oct 20 j 23:05	25°♌01'23	10.50428 AU
morning rise	-9262 Nov 07 j 12:21	27°♌12'42	
	-9262 Dec 01 j 06:32	0°♍	
retrograde	-9261 Feb 21 j 10:18	5°♍05'16	
opposition	-9261 May 02 j 13:52	1°♍39'37	2°03'26
min. Earth dist.	-9261 May 03 j 01:48	1°♍37'19	8.42321 AU
	-9261 May 24 j 23:00	30°℞♌	
direct	-9261 Jul 09 j 14:00	28°♌18'06	
	-9261 Aug 22 j 12:42	0°♍	
evening set	-9261 Oct 17 j 18:41	5°♍53'34	
conjunction	-9261 Nov 03 j 17:05	8°♍02'14	1°27'01
minimum elong	-9261 Nov 03 j 17:08	8°♍02'15	1°27'18
max. Earth dist.	-9261 Nov 03 j 05:20	7°♍58'30	10.34297 AU
morning rise	-9261 Nov 20 j 20:17	10°♍12'33	
retrograde	-9260 Mar 06 j 17:20	18°♍18'24	
opposition	-9260 May 15 j 10:12	14°♍50'51	1°29'55
min. Earth dist.	-9260 May 15 j 17:47	14°♍49'21	8.26345 AU
direct	-9260 Jul 21 j 17:04	11°♍28'13	
evening set	-9260 Oct 30 j 04:50	19°♍13'49	
conjunction	-9260 Nov 16 j 08:55	21°♍26'25	0°57'11
minimum elong	-9260 Nov 16 j 08:58	21°♍26'26	0°57'21
max. Earth dist.	-9260 Nov 16 j 01:19	21°♍23'58	10.18752 AU
morning rise	-9260 Dec 03 j 18:31	23°♍40'51	
	-9259 Jan 31 j 15:47	0°♎	
retrograde	-9259 Mar 21 j 10:37	1°♎59'28	
	-9259 May 10 j 07:14	30°℞♍	
opposition	-9259 May 29 j 15:18	28°♍30'11	0°50'04
min. Earth dist.	-9259 May 29 j 18:43	28°♍29'30	8.11371 AU
direct	-9259 Aug 04 j 06:43	25°♍06'20	
	-9259 Oct 19 j 08:57	0°♎	
evening set	-9259 Nov 13 j 05:04	3°♎02'30	
conjunction	-9259 Nov 30 j 15:00	5°♎18'58	0°23'10
minimum elong	-9259 Nov 30 j 15:01	5°♎18'58	0°23'11
max. Earth dist.	-9259 Nov 30 j 12:29	5°♎18'09	10.04625 AU
morning rise	-9259 Dec 18 j 06:48	7°♎37'20	
retrograde	-9258 Apr 05 j 12:40	16°♎07'20	
opposition	-9258 Jun 13 j 04:14	12°♎36'37	0°05'50
min. Earth dist.	-9258 Jun 13 j 03:10	12°♎36'50	7.98329 AU
desc. node	-9258 Jul 31 j 05:20	9°♎30'04	
direct	-9258 Aug 18 j 06:30	9°♎11'31	
evening set	-9258 Nov 27 j 19:34	17°♎17'58	
conjunction	-9258 Dec 15 j 11:07	19°♎37'54	-0°13'14
minimum elong	-9258 Dec 15 j 11:06	19°♎37'54	0°13'21
behind sun begin	-9258 Dec 15 j 06:59	19°♎36'32	
behind sun end	-9258 Dec 15 j 15:12	19°♎39'15	
max. Earth dist.	-9258 Dec 15 j 14:46	19°♎39'06	9.92897 AU
morning rise	-9257 Jan 02 j 08:25	21°♎59'41	
	-9257 Mar 25 j 02:52	0°♏	
retrograde	-9257 Apr 20 j 21:21	0°♏38'33	
	-9257 May 17 j 17:27	30°℞♎	
opposition	-9257 Jun 27 j 23:23	27°♎06'43	-0°40'05
min. Earth dist.	-9257 Jun 27 j 17:34	27°♎07'55	7.88199 AU
direct	-9257 Sep 01 j 16:22	23°♎40'19	
	-9257 Nov 27 j 20:55	0°♏	
evening set	-9257 Dec 12 j 23:13	1°♏55'59	
conjunction	-9257 Dec 30 j 19:36	4°♏18'36	-0°49'29
minimum elong	-9257 Dec 30 j 19:33	4°♏18'35	0°49'45
max. Earth dist.	-9257 Dec 31 j 05:58	4°♏22'05	9.84473 AU
morning rise	-9256 Jan 17 j 21:07	6°♏42'53	
	-9256 Apr 13 j 04:42	15°♏	
retrograde	-9256 May 05 j 08:56	15°♏27'04	
	-9256 May 27 j 13:48	15°℞♏	
opposition	-9256 Jul 11 j 22:23	11°♏54'33	-1°24'20
min. Earth dist.	-9256 Jul 11 j 11:50	11°♏56'45	7.81761 AU
direct	-9256 Sep 15 j 10:56	8°♏26'55	
	-9256 Dec 13 j 08:28	15°♏	
evening set	-9256 Dec 27 j 13:27	16°♏49'48	
conjunction	-9255 Jan 14 j 13:25	19°♏14'04	-1°22'59
minimum elong	-9255 Jan 14 j 13:21	19°♏14'03	1°23'22
max. Earth dist.	-9255 Jan 15 j 06:18	19°♏19'45	9.80015 AU
morning rise	-9255 Feb 01 j 17:27	21°♏39'40	
	-9255 Apr 29 j 17:48	0°♐	
retrograde	-9255 May 20 j 19:42	0°♐24'50	

Attention, astronomical year style is used: The year -9255 in astronomical counting style is the year 9256 BCE in historical counting style.

	-9255 Jun 10 j 22:26	30°℞♏	
opposition	-9255 Jul 26 j 22:21	26°♏52'09	-2°03'19
min. Earth dist.	-9255 Jul 26 j 07:22	26°♏55'18	7.79517 AU
direct	-9255 Sep 30 j 11:26	23°♏23'27	
	-9255 Dec 29 j 01:47	0°♐	
evening set	-9254 Jan 12 j 10:12	1°♐50'45	
conjunction	-9254 Jan 30 j 12:23	4°♐15'30	-1°51'03
minimum elong	-9254 Jan 30 j 12:19	4°♐15'29	1°51'32
max. Earth dist.	-9254 Jan 31 j 10:43	4°♐23'00	9.79887 AU
morning rise	-9254 Feb 17 j 17:19	6°♐41'07	
retrograde	-9254 Jun 05 j 02:15	15°♐22'44	
opposition	-9254 Aug 10 j 20:27	11°♐50'25	-2°33'54
min. Earth dist.	-9254 Aug 10 j 02:04	11°♐54'17	7.81636 AU
direct	-9254 Oct 15 j 14:55	8°♐20'53	
evening set	-9253 Jan 28 j 08:37	16°♐49'12	
conjunction	-9253 Feb 15 j 11:44	19°♐13'17	-2°11'33
minimum elong	-9253 Feb 15 j 11:41	19°♐13'16	2°12'06
max. Earth dist.	-9253 Feb 16 j 13:47	19°♐21'58	9.84095 AU
morning rise	-9253 Mar 05 j 16:08	21°♐37'44	
	-9253 Jun 05 j 21:17	0°♑	
retrograde	-9253 Jun 20 j 00:51	0°♑11'28	
	-9253 Jul 04 j 05:15	30°℞♐	
opposition	-9253 Aug 25 j 13:52	26°♐40'03	-2°53'49
min. Earth dist.	-9253 Aug 24 j 17:36	26°♐44'19	7.87920 AU
direct	-9253 Oct 30 j 17:41	23°♐09'58	
	-9252 Jan 31 j 13:42	0°♑	
evening set	-9252 Feb 13 j 03:57	1°♑35'49	
conjunction	-9252 Mar 02 j 06:50	3°♑58'15	-2°23'09
minimum elong	-9252 Mar 02 j 06:48	3°♑58'14	2°23'43
max. Earth dist.	-9252 Mar 03 j 10:32	4°♑07'22	9.92285 AU
morning rise	-9252 Mar 20 j 09:30	6°♑20'31	
retrograde	-9252 Jul 03 j 13:38	14°♑42'50	
min. Earth dist.	-9252 Sep 07 j 03:42	11°♑17'05	7.97870 AU
opposition	-9252 Sep 08 j 00:12	11°♑12'48	-3°02'03
direct	-9252 Nov 13 j 17:13	7°♑42'32	
evening set	-9251 Feb 27 j 15:26	16°♑02'37	
conjunction	-9251 Mar 17 j 17:12	18°♑22'38	-2°25'29
minimum elong	-9251 Mar 17 j 17:13	18°♑22'38	2°26'02
max. Earth dist.	-9251 Mar 18 j 20:28	18°♑31'29	10.03835 AU
morning rise	-9251 Apr 04 j 17:26	20°♑42'03	
retrograde	-9251 Jul 17 j 14:51	28°♑50'33	
min. Earth dist.	-9251 Sep 21 j 06:42	25°♑26'13	8.10765 AU
opposition	-9251 Sep 22 j 01:55	25°♑22'15	-2°58'49
direct	-9251 Nov 28 j 11:08	21°♑52'11	
evening set	-9250 Mar 14 j 15:36	0°♒03'52	
	-9250 Mar 14 j 03:15	0°♒	
conjunction	-9250 Apr 01 j 15:36	2°♒20'58	-2°19'05
minimum elong	-9250 Apr 01 j 15:39	2°♒20'59	2°19'36
max. Earth dist.	-9250 Apr 02 j 16:19	2°♒28'52	10.17933 AU
morning rise	-9250 Apr 19 j 12:59	4°♒37'08	
retrograde	-9250 Jul 31 j 02:58	12°♒30'41	
opposition	-9250 Oct 05 j 18:00	9°♒04'19	-2°45'23
min. Earth dist.	-9250 Oct 05 j 00:49	9°♒07'50	8.25740 AU
direct	-9250 Dec 12 j 21:40	5°♒34'49	
evening set	-9249 Mar 29 j 02:49	13°♒36'23	
	-9249 Apr 09 j 08:05	15°♒	
conjunction	-9249 Apr 16 j 00:33	15°♒50'19	-2°05'07
minimum elong	-9249 Apr 16 j 00:37	15°♒50'20	2°05'33
max. Earth dist.	-9249 Apr 16 j 21:21	15°♒56'50	10.33670 AU
morning rise	-9249 May 03 j 18:43	18°♒03'01	
retrograde	-9249 Aug 13 j 01:22	25°♒41'35	

min. Earth dist.	-9249 Oct 18 j 09:22	22°♒20'15	8.41892 AU
opposition	-9249 Oct 19 j 00:08	22°♒17'17	-2°23'33
direct	-9249 Dec 26 j 23:29	18°♒48'40	
evening set	-9248 Apr 11 j 00:05	26°♒39'15	
conjunction	-9248 Apr 28 j 19:09	28°♒49'56	-1°45'03
minimum elong	-9248 Apr 28 j 19:13	28°♒49'57	1°45'25
max. Earth dist.	-9248 Apr 29 j 11:43	28°♒55'02	10.50144 AU
	-9248 May 08 j 07:00	0°♓	
morning rise	-9248 May 16 j 09:48	0°♓59'11	
retrograde	-9248 Aug 24 j 14:35	8°♓23'42	
opposition	-9248 Oct 30 j 21:00	5°♓01'25	-1°55'22
min. Earth dist.	-9248 Oct 30 j 08:53	5°♓03'49	8.58356 AU
direct	-9247 Jan 08 j 13:29	1°♓33'59	
evening set	-9247 Apr 24 j 07:30	9°♓13'27	
conjunction	-9247 May 11 j 23:31	11°♓20'58	-1°20'33
minimum elong	-9247 May 11 j 23:34	11°♓20'59	1°20'48
max. Earth dist.	-9247 May 12 j 11:58	11°♓24'44	10.66513 AU
morning rise	-9247 May 29 j 10:23	13°♓26'54	
retrograde	-9247 Sep 05 j 18:16	20°♓38'52	
opposition	-9247 Nov 12 j 09:17	17°♓18'32	-1°22'54
min. Earth dist.	-9247 Nov 12 j 00:54	17°♓20'09	8.74346 AU
direct	-9246 Jan 21 j 16:57	13°♓52'25	
evening set	-9246 May 07 j 02:25	21°♓21'23	
conjunction	-9246 May 24 j 14:54	23°♓25'52	-0°53'08
minimum elong	-9246 May 24 j 14:56	23°♓25'53	0°53'17
max. Earth dist.	-9246 May 24 j 22:39	23°♓28'10	10.82027 AU
morning rise	-9246 Jun 10 j 21:54	25°♓28'45	
	-9246 Jul 24 j 11:29	0°♈	
retrograde	-9246 Sep 17 j 12:50	2°♈30'02	
	-9246 Nov 13 j 21:59	30°℞♓	
opposition	-9246 Nov 24 j 14:01	29°♓11'29	-0°47'57
min. Earth dist.	-9246 Nov 24 j 10:17	29°♓12'12	8.89174 AU
direct	-9245 Feb 03 j 11:33	25°♓46'45	
	-9245 Apr 20 j 18:25	0°♈	
evening set	-9245 May 19 j 10:07	3°♈06'16	
conjunction	-9245 Jun 05 j 18:37	5°♈07'57	-0°24'13
minimum elong	-9245 Jun 05 j 18:38	5°♈07'57	0°24'14
max. Earth dist.	-9245 Jun 05 j 20:32	5°♈08'30	10.96047 AU
morning rise	-9245 Jun 22 j 21:46	7°♈08'04	
retrograde	-9245 Sep 29 j 00:56	14°♈00'50	
opposition	-9245 Dec 06 j 12:49	10°♈43'47	-0°12'07
min. Earth dist.	-9245 Dec 06 j 13:29	10°♈43'39	9.02259 AU
direct	-9244 Feb 15 j 21:35	7°♈20'27	
asc. node	-9244 Apr 12 j 01:11	9°♈42'40	
evening set	-9244 May 30 j 07:54	14°♈31'45	
conjunction	-9244 Jun 16 j 12:15	16°♈30'56	0°05'04
minimum elong	-9244 Jun 16 j 12:15	16°♈30'56	0°05'10
behind sun begin	-9244 Jun 16 j 05:24	16°♈28'58	
behind sun end	-9244 Jun 16 j 19:06	16°♈32'54	
max. Earth dist.	-9244 Jun 16 j 08:39	16°♈29'56	11.08050 AU
morning rise	-9244 Jul 03 j 11:35	18°♈28'40	
retrograde	-9244 Oct 09 j 07:44	25°♈15'07	
opposition	-9244 Dec 17 j 06:51	21°♈59'14	0°23'14
min. Earth dist.	-9244 Dec 17 j 10:53	21°♈58'29	9.13119 AU
direct	-9243 Feb 27 j 01:08	18°♈37'13	
evening set	-9243 Jun 10 j 21:38	25°♈41'47	
conjunction	-9243 Jun 27 j 21:57	27°♈38'49	0°33'27
minimum elong	-9243 Jun 27 j 21:55	27°♈38'49	0°33'40
max. Earth dist.	-9243 Jun 27 j 14:26	27°♈36'39	11.17616 AU
morning rise	-9243 Jul 14 j 17:26	29°♈34'33	
	-9243 Jul 18 j 12:00	0°♉	

Attention, astronomical year style is used: The year -9243 in astronomical counting style is the year 9244 BCE in historical counting style.

retrograde	-9243 Oct 20 j 14:04	6°♉16'51		
opposition	-9243 Dec 28 j 21:25	3°♉01'49	0°57'00	
min. Earth dist.	-9243 Dec 29 j 05:03	3°♉00'24	9.21379 AU	
	-9242 Feb 18 j 14:24	30°℞♈		
direct	-9242 Mar 10 j 21:49	29°♈40'58		
	-9242 Mar 31 j 00:58	0°♉		
evening set	-9242 Jun 22 j 05:06	6°♉40'18		
conjunction	-9242 Jul 09 j 01:24	8°♉35'38	1°00'14	
minimum elong	-9242 Jul 09 j 01:22	8°♉35'37	1°00'32	
max. Earth dist.	-9242 Jul 08 j 13:59	8°♉32'21	11.24414 AU	
morning rise	-9242 Jul 25 j 17:14	10°♉29'48		
	-9242 Sep 09 j 08:18	15°♉		
retrograde	-9242 Oct 31 j 16:45	17°♉10'04		
	-9242 Dec 25 j 10:41	15°℞♉		
opposition	-9241 Jan 09 j 10:19	13°♉55'31	1°28'14	
min. Earth dist.	-9241 Jan 09 j 22:08	13°♉53'21	9.26758 AU	
direct	-9241 Mar 22 j 11:51	10°♉35'38		
	-9241 Jun 09 j 16:44	15°♉		
evening set	-9241 Jul 03 j 07:57	17°♉31'21		
max. Earth dist.	-9241 Jul 19 j 08:13	19°♉20'45	11.28218 AU	
conjunction	-9241 Jul 20 j 00:18	19°♉25'22	1°24'35	
minimum elong	-9241 Jul 20 j 00:15	19°♉25'21	1°24'58	
morning rise	-9241 Aug 05 j 13:03	21°♉18'26		
retrograde	-9241 Nov 11 j 20:27	27°♉58'49		
opposition	-9240 Jan 20 j 22:48	24°♉44'21	1°56'05	
min. Earth dist.	-9240 Jan 21 j 14:24	24°♉41'30	9.29058 AU	
direct	-9240 Apr 02 j 01:12	21°♉25'12		
evening set	-9240 Jul 13 j 07:52	28°♉18'56		
	-9240 Jul 28 j 02:39	0°♊		
conjunction	-9240 Jul 29 j 20:48	0°♊12'07	1°45'49	
minimum elong	-9240 Jul 29 j 20:46	0°♊12'06	1°46'16	
max. Earth dist.	-9240 Jul 29 j 01:05	0°♊06'27	11.28876 AU	
morning rise	-9240 Aug 15 j 07:01	2°♊04'36		
retrograde	-9240 Nov 22 j 01:57	8°♊47'10		
opposition	-9239 Jan 31 j 12:04	5°♊32'23	2°19'50	
min. Earth dist.	-9239 Feb 01 j 06:02	5°♊29'07	9.28151 AU	
direct	-9239 Apr 13 j 11:20	2°♊13'45		
evening set	-9239 Jul 24 j 06:24	9°♊07'08		
conjunction	-9239 Aug 09 j 16:47	11°♊00'03	2°03'19	
minimum elong	-9239 Aug 09 j 16:44	11°♊00'02	2°03'50	
max. Earth dist.	-9239 Aug 08 j 19:02	10°♊53'47	11.26307 AU	
morning rise	-9239 Aug 26 j 01:00	12°♊52'30		
retrograde	-9239 Dec 03 j 13:23	19°♊39'19		
opposition	-9238 Feb 12 j 03:45	16°♊23'53	2°38'46	
min. Earth dist.	-9238 Feb 12 j 23:31	16°♊20'18	9.24015 AU	
direct	-9238 Apr 24 j 21:55	13°♊05'31		
evening set	-9238 Aug 04 j 05:39	20°♊00'12		
conjunction	-9238 Aug 20 j 14:03	21°♊53'26	2°16'30	
minimum elong	-9238 Aug 20 j 14:01	21°♊53'25	2°17'04	
max. Earth dist.	-9238 Aug 19 j 14:19	21°♊46'31	11.20590 AU	
morning rise	-9238 Sep 05 j 21:13	23°♊46'25		
	-9238 Nov 16 j 14:22	0°♋		
retrograde	-9238 Dec 15 j 04:56	0°♋39'23		
	-9237 Jan 13 j 06:31	30°℞♊		
opposition	-9237 Feb 23 j 23:24	27°♊22'59	2°52'13	
min. Earth dist.	-9237 Feb 24 j 21:03	27°♊19'02	9.16822 AU	
direct	-9237 May 06 j 07:34	24°♊04'39		
	-9237 Aug 06 j 03:13	0°♋		
evening set	-9237 Aug 15 j 07:15	1°♋02'10		
conjunction	-9237 Aug 31 j 14:34	2°♋56'15	2°24'49	
minimum elong	-9237 Aug 31 j 14:33	2°♋56'14	2°25'24	

max. Earth dist.	-9237 Aug 30 j 12:54	2°♋48'42	11.11975 AU	
morning rise	-9237 Sep 16 j 21:52	4°♋50'24		
retrograde	-9237 Dec 27 j 02:22	11°♋51'21		
opposition	-9236 Mar 07 j 00:14	8°♋33'37	2°59'31	
min. Earth dist.	-9236 Mar 07 j 22:53	8°♋29'28	9.06864 AU	
direct	-9236 May 16 j 21:13	5°♋15'02		
evening set	-9236 Aug 25 j 12:40	12°♋16'50		
conjunction	-9236 Sep 10 j 20:11	14°♋12'23	2°27'45	
minimum elong	-9236 Sep 10 j 20:11	14°♋12'23	2°28'19	
max. Earth dist.	-9236 Sep 09 j 18:46	14°♋04'49	11.00778 AU	
morning rise	-9236 Sep 27 j 04:40	16°♋08'18		
retrograde	-9235 Jan 07 j 09:50	23°♋18'53		
opposition	-9235 Mar 19 j 07:14	19°♋59'31	3°00'01	
min. Earth dist.	-9235 Mar 20 j 05:10	19°♋55'28	8.94485 AU	
direct	-9235 May 28 j 16:13	16°♋40'27		
evening set	-9235 Sep 05 j 23:57	23°♋47'54		
max. Earth dist.	-9235 Sep 21 j 09:16	25°♋38'24	10.87382 AU	
conjunction	-9235 Sep 22 j 08:55	25°♋45'33	2°24'49	
minimum elong	-9235 Sep 22 j 08:57	25°♋45'33	2°25'21	
morning rise	-9235 Oct 08 j 19:38	27°♋43'51		
	-9235 Oct 28 j 18:15	0°♌		
retrograde	-9234 Jan 20 j 02:16	5°♌05'31		
opposition	-9234 Mar 31 j 21:26	1°♌44'17	2°53'08	
min. Earth dist.	-9234 Apr 01 j 17:16	1°♌40'34	8.80130 AU	
	-9234 Apr 25 j 06:34	30°℞♋		
direct	-9234 Jun 09 j 15:00	28°♋24'32		
	-9234 Jul 23 j 07:59	0°♌		
evening set	-9234 Sep 17 j 18:51	5°♌38'58		
max. Earth dist.	-9234 Oct 03 j 08:24	7°♌32'33	10.72294 AU	
conjunction	-9234 Oct 04 j 06:21	7°♌39'17	2°15'41	
minimum elong	-9234 Oct 04 j 06:24	7°♌39'18	2°16'10	
morning rise	-9234 Oct 20 j 20:37	9°♌40'33		
	-9234 Dec 11 j 01:42	15°♌		
retrograde	-9233 Feb 02 j 05:59	17°♌14'33		
	-9233 Mar 29 j 11:06	15°℞♌		
opposition	-9233 Apr 13 j 20:06	13°♌51'19	2°38'27	
min. Earth dist.	-9233 Apr 14 j 13:34	13°♌47'59	8.64362 AU	
direct	-9233 Jun 21 j 21:10	10°♌30'42		
	-9233 Sep 04 j 23:45	15°♌		
evening set	-9233 Sep 29 j 23:08	17°♌53'17		
conjunction	-9233 Oct 16 j 14:18	19°♌56'49	2°00'10	
minimum elong	-9233 Oct 16 j 14:21	19°♌56'50	2°00'35	
max. Earth dist.	-9233 Oct 15 j 18:45	19°♌50'44	10.56127 AU	
morning rise	-9233 Nov 02 j 09:24	22°♌01'38		
retrograde	-9232 Feb 15 j 21:00	29°♌48'48		
opposition	-9232 Apr 26 j 03:42	26°♌23'31	2°15'47	
min. Earth dist.	-9232 Apr 26 j 18:22	26°♌20'41	8.47852 AU	
direct	-9232 Jul 03 j 10:41	23°♌01'52		
	-9232 Oct 07 j 01:15	0°♍		
evening set	-9232 Oct 11 j 14:42	0°♍33'42		
conjunction	-9232 Oct 28 j 10:41	2°♍40'53	1°38'21	
minimum elong	-9232 Oct 28 j 10:45	2°♍40'54	1°38'41	
max. Earth dist.	-9232 Oct 27 j 18:59	2°♍35'54	10.39583 AU	
morning rise	-9232 Nov 14 j 11:29	4°♍49'37		
retrograde	-9231 Feb 28 j 21:46	12°♍50'18		
opposition	-9231 May 09 j 20:14	9°♍23'01	1°45'23	
min. Earth dist.	-9231 May 10 j 07:13	9°♍20'51	8.31364 AU	
direct	-9231 Jul 16 j 10:52	6°♍00'13		
evening set	-9231 Oct 24 j 18:58	13°♍42'07		
conjunction	-9231 Nov 10 j 20:35	15°♍53'13	1°10'44	
minimum elong	-9231 Nov 10 j 20:39	15°♍53'14	1°10'56	

Attention, astronomical year style is used: The year -9231 in astronomical counting style is the year 9232 BCE in historical counting style.

max. Earth dist.	-9231 Nov 10 j 10:34	15°♍49'59	10.23459 AU
morning rise	-9231 Nov 28 j 03:32	18°♍06'05	
retrograde	-9230 Mar 15 j 10:05	26°♍20'02	
opposition	-9230 May 23 j 21:56	22°♍50'51	1°08'03
min. Earth dist.	-9230 May 24 j 03:53	22°♍49'39	8.15748 AU
direct	-9230 Jul 29 j 21:16	19°♍26'53	
evening set	-9230 Nov 07 j 13:00	27°♍19'11	
conjunction	-9230 Nov 24 j 20:37	29°♍34'15	0°38'18
minimum elong	-9230 Nov 24 j 20:39	29°♍34'16	0°38'23
max. Earth dist.	-9230 Nov 24 j 17:02	29°♍33'05	10.08628 AU
	-9230 Nov 28 j 03:15	0°♎	
morning rise	-9230 Dec 12 j 09:47	1°♎51'11	
retrograde	-9229 Mar 30 j 08:51	10°♎17'14	
opposition	-9229 Jun 07 j 07:57	6°♎46'26	0°25'22
min. Earth dist.	-9229 Jun 07 j 08:10	6°♎46'23	8.01906 AU
direct	-9229 Aug 12 j 16:52	3°♎21'16	
evening set	-9229 Nov 21 j 21:37	11°♎23'55	
conjunction	-9229 Dec 09 j 11:02	13°♎42'38	0°02'43
minimum elong	-9229 Dec 09 j 11:02	13°♎42'38	0°02'40
behind sun begin	-9229 Dec 09 j 03:47	13°♎40'15	
behind sun end	-9229 Dec 09 j 18:17	13°♎45'01	
max. Earth dist.	-9229 Dec 09 j 14:00	13°♎43'34	9.95990 AU
morning rise	-9229 Dec 27 j 06:00	16°♎03'13	
desc. node	-9228 Jan 06 j 05:03	17°♎19'37	
retrograde	-9228 Apr 13 j 16:06	24°♎39'12	
opposition	-9228 Jun 21 j 00:43	21°♎07'09	-0°20'16
min. Earth dist.	-9228 Jun 20 j 19:26	21°♎08'14	7.90724 AU
direct	-9228 Aug 25 j 21:27	17°♎40'46	
evening set	-9228 Dec 05 j 20:01	25°♎53'04	
conjunction	-9228 Dec 23 j 14:31	28°♎14'47	-0°34'01
minimum elong	-9228 Dec 23 j 14:29	28°♎14'46	0°34'13
max. Earth dist.	-9228 Dec 23 j 23:57	28°♎17'56	9.86394 AU
	-9227 Jan 05 j 18:08	0°♏	
morning rise	-9227 Jan 10 j 14:18	0°♏38'15	
retrograde	-9227 Apr 29 j 03:46	9°♏21'01	
opposition	-9227 Jul 05 j 22:30	5°♏48'13	-1°05'42
min. Earth dist.	-9227 Jul 05 j 12:13	5°♏50'21	7.82986 AU
direct	-9227 Sep 09 j 12:04	2°♏20'43	
evening set	-9227 Dec 21 j 06:00	10°♏41'02	
conjunction	-9226 Jan 08 j 04:30	13°♏04'49	-1°09'04
minimum elong	-9226 Jan 08 j 04:26	13°♏04'48	1°09'24
max. Earth dist.	-9226 Jan 08 j 20:01	13°♏10'02	9.80551 AU
	-9226 Jan 22 j 12:36	15°♏	
morning rise	-9226 Jan 26 j 07:37	15°♏30'05	
retrograde	-9226 May 14 j 15:53	24°♏15'41	
opposition	-9226 Jul 20 j 22:39	20°♏42'40	-1°47'24
min. Earth dist.	-9226 Jul 20 j 08:17	20°♏45'41	7.79287 AU
direct	-9226 Sep 24 j 10:07	17°♏14'11	
evening set	-9225 Jan 06 j 00:33	25°♏40'07	
conjunction	-9225 Jan 24 j 01:48	28°♏04'51	-1°39'47
minimum elong	-9225 Jan 24 j 01:44	28°♏04'49	1°40'13
max. Earth dist.	-9225 Jan 24 j 22:35	28°♏11'50	9.78940 AU
	-9225 Feb 07 j 09:49	0°♐	
morning rise	-9225 Feb 11 j 06:38	0°♐30'40	
retrograde	-9225 May 30 j 01:02	9°♐14'34	
opposition	-9225 Aug 04 j 22:05	5°♐41'55	-2°21'57
min. Earth dist.	-9225 Aug 04 j 04:40	5°♐45'35	7.79932 AU
direct	-9225 Oct 09 j 12:48	2°♐12'40	
evening set	-9224 Jan 21 j 23:09	10°♐41'06	
conjunction	-9224 Feb 09 j 01:51	13°♐05'36	-2°03'45
minimum elong	-9224 Feb 09 j 01:47	13°♐05'35	2°04'16
max. Earth dist.	-9224 Feb 10 j 02:40	13°♐13'55	9.81710 AU
morning rise	-9224 Feb 27 j 06:46	15°♐30'43	
retrograde	-9224 Jun 13 j 03:27	24°♐08'25	
opposition	-9224 Aug 18 j 18:07	20°♐36'42	-2°46'37
min. Earth dist.	-9224 Aug 17 j 22:27	20°♐40'50	7.84879 AU
direct	-9224 Oct 23 j 16:45	17°♐06'58	
evening set	-9223 Feb 05 j 20:35	25°♐34'20	
conjunction	-9223 Feb 23 j 23:30	27°♐57'33	-2°19'15
minimum elong	-9223 Feb 23 j 23:27	27°♐57'32	2°19'49
max. Earth dist.	-9223 Feb 25 j 02:50	28°♐06'36	9.88666 AU
	-9223 Mar 11 j 11:02	0°♑	
morning rise	-9223 Mar 14 j 03:09	0°♑20'51	
retrograde	-9223 Jun 27 j 20:33	8°♑48'28	
min. Earth dist.	-9223 Sep 01 j 11:03	5°♑22'29	7.93757 AU
opposition	-9223 Sep 02 j 08:00	5°♑18'06	-2°59'51
direct	-9223 Nov 07 j 18:43	1°♑48'15	
evening set	-9222 Feb 21 j 12:07	10°♑11'04	
conjunction	-9222 Mar 11 j 14:21	12°♑32'08	-2°25'31
minimum elong	-9222 Mar 11 j 14:21	12°♑32'07	2°26'05
max. Earth dist.	-9222 Mar 12 j 18:24	12°♑41'18	9.99296 AU
morning rise	-9222 Mar 29 j 15:49	14°♑52'47	
retrograde	-9222 Jul 12 j 02:53	23°♑07'20	
opposition	-9222 Sep 16 j 13:39	19°♑38'43	-3°01'22
min. Earth dist.	-9222 Sep 15 j 16:33	19°♑43'05	8.05912 AU
direct	-9222 Nov 22 j 15:53	16°♑09'02	
evening set	-9221 Mar 08 j 17:48	24°♑24'22	
conjunction	-9221 Mar 26 j 18:41	26°♑42'39	-2°22'43
minimum elong	-9221 Mar 26 j 18:43	26°♑42'40	2°23'15
max. Earth dist.	-9221 Mar 27 j 21:42	26°♑51'21	10.12816 AU
morning rise	-9221 Apr 13 j 17:19	29°♑00'08	
	-9221 Apr 21 j 17:58	0°♒	
retrograde	-9221 Jul 25 j 20:45	6°♒59'55	
opposition	-9221 Sep 30 j 09:59	3°♒33'14	-2°52'04
min. Earth dist.	-9221 Sep 29 j 14:16	3°♒37'16	8.20466 AU
direct	-9221 Dec 07 j 05:46	0°♒04'04	
evening set	-9220 Mar 22 j 10:57	8°♒09'44	
conjunction	-9220 Apr 09 j 09:48	10°♒24'53	-2°11'47
minimum elong	-9220 Apr 09 j 09:52	10°♒24'54	2°12'16
max. Earth dist.	-9220 Apr 10 j 10:04	10°♒32'33	10.28261 AU
morning rise	-9220 Apr 27 j 05:11	12°♒38'55	
	-9220 May 16 j 22:23	15°♒	
retrograde	-9220 Aug 07 j 01:55	20°♒23'29	
opposition	-9220 Oct 12 j 20:27	16°♒58'52	-2°33'33
min. Earth dist.	-9220 Oct 12 j 03:49	17°♒02'14	8.36431 AU
	-9220 Nov 08 j 01:14	15°℞♒	
direct	-9220 Dec 20 j 10:20	13°♒30'29	
	-9219 Jan 31 j 13:58	15°♒	
evening set	-9219 Apr 05 j 14:15	21°♒25'20	
conjunction	-9219 Apr 23 j 10:32	23°♒37'15	-1°54'08
minimum elong	-9219 Apr 23 j 10:36	23°♒37'16	1°54'32
max. Earth dist.	-9219 Apr 24 j 06:00	23°♒43'17	10.44617 AU
morning rise	-9219 May 11 j 02:31	25°♒47'48	
	-9219 Jun 18 j 00:09	0°♓	
retrograde	-9219 Aug 19 j 20:07	3°♓17'49	
	-9219 Oct 24 j 21:25	30°℞♒	
opposition	-9219 Oct 25 j 21:10	29°♒55'17	-2°07'50
min. Earth dist.	-9219 Oct 25 j 08:38	29°♒57'46	8.52834 AU
direct	-9218 Jan 03 j 04:08	26°♒27'54	
	-9218 Mar 11 j 18:47	0°♓	
evening set	-9218 Apr 19 j 03:37	4°♓11'44	
conjunction	-9218 May 06 j 20:54	6°♓20'29	-1°31'19

Attention, astronomical year style is used: The year -9218 in astronomical counting style is the year 9219 BCE in historical counting style.

minimum elong	-9218 May 06 j 20:57	6°♓20'30	1°31'37
max. Earth dist.	-9218 May 07 j 10:27	6°♓24'37	10.60969 AU
morning rise	-9218 May 24 j 09:24	8°♓27'42	
retrograde	-9218 Sep 01 j 02:20	15°♓44'34	
opposition	-9218 Nov 07 j 13:00	12°♓23'59	-1°36'58
min. Earth dist.	-9218 Nov 07 j 04:32	12°♓25'38	8.68865 AU
direct	-9217 Jan 16 j 13:27	8°♓57'47	
evening set	-9217 May 02 j 04:00	16°♓31'01	
conjunction	-9217 May 19 j 17:53	18°♓36'40	-1°04'58
minimum elong	-9217 May 19 j 17:55	18°♓36'41	1°05'09
max. Earth dist.	-9217 May 20 j 01:29	18°♓38'57	10.76600 AU
morning rise	-9217 Jun 06 j 02:41	20°♓40'46	
retrograde	-9217 Sep 12 j 23:34	27°♓46'17	
opposition	-9217 Nov 19 j 20:52	24°♓27'26	-1°02'53
min. Earth dist.	-9217 Nov 19 j 15:53	24°♓28'23	8.83880 AU
direct	-9216 Jan 29 j 13:34	21°♓02'28	
evening set	-9216 May 13 j 16:23	28°♓25'52	
	-9216 May 27 j 01:43	0°♈	
conjunction	-9216 May 31 j 02:39	0°♈28'40	-0°36'32
minimum elong	-9216 May 31 j 02:40	0°♈28'40	0°36'36
max. Earth dist.	-9216 May 31 j 05:34	0°♈29'32	10.90909 AU
morning rise	-9216 Jun 17 j 07:31	2°♈29'54	
retrograde	-9216 Sep 23 j 16:16	9°♈26'05	
opposition	-9216 Nov 30 j 22:10	6°♈08'39	-0°27'16
min. Earth dist.	-9216 Nov 30 j 21:02	6°♈08'52	8.97322 AU
direct	-9215 Feb 10 j 02:43	2°♈44'57	
evening set	-9215 May 25 j 18:10	9°♈59'35	
conjunction	-9215 Jun 12 j 00:32	11°♈59'49	-0°07'22
minimum elong	-9215 Jun 12 j 00:32	11°♈59'49	0°07'18
behind sun begin	-9215 Jun 11 j 18:02	11°♈57'57	
behind sun end	-9215 Jun 12 j 07:01	12°♈01'42	
max. Earth dist.	-9215 Jun 11 j 22:59	11°♈59'23	11.03367 AU
morning rise	-9215 Jun 29 j 01:25	13°♈58'32	
asc. node	-9215 Sep 14 j 22:26	20°♈26'49	
retrograde	-9215 Oct 05 j 00:46	20°♈47'29	
opposition	-9215 Dec 12 j 18:06	17°♈31'11	0°08'25
min. Earth dist.	-9215 Dec 12 j 21:38	17°♈30'32	9.08707 AU
direct	-9214 Feb 22 j 08:00	14°♈08'36	
evening set	-9214 Jun 06 j 11:19	21°♈15'56	
conjunction	-9214 Jun 23 j 13:28	23°♈13'54	0°21'35
minimum elong	-9214 Jun 23 j 13:27	23°♈13'53	0°21'45
max. Earth dist.	-9214 Jun 23 j 06:32	23°♈11'54	11.13538 AU
morning rise	-9214 Jul 10 j 10:33	25°♈10'28	
	-9214 Aug 28 j 17:36	0°♉	
retrograde	-9214 Oct 16 j 06:09	1°♉54'21	
	-9214 Dec 05 j 14:07	30°℞♈	
opposition	-9214 Dec 24 j 09:56	28°♈38'52	0°42'59
min. Earth dist.	-9214 Dec 24 j 17:57	28°♈37'23	9.17651 AU
direct	-9213 Mar 06 j 07:47	25°♈17'18	
	-9213 May 27 j 10:33	0°♉	
evening set	-9213 Jun 17 j 21:17	2°♉18'49	
conjunction	-9213 Jul 04 j 19:14	4°♉14'53	0°49'09
minimum elong	-9213 Jul 04 j 19:12	4°♉14'53	0°49'25
max. Earth dist.	-9213 Jul 04 j 07:18	4°♉11'27	11.21103 AU
morning rise	-9213 Jul 21 j 12:46	6°♉09'44	
retrograde	-9213 Oct 27 j 08:36	12°♉50'44	
opposition	-9212 Jan 04 j 23:20	9°♉35'41	1°15'23
min. Earth dist.	-9212 Jan 05 j 10:29	9°♉33'39	9.23868 AU
direct	-9212 Mar 17 j 01:19	6°♉15'01	
evening set	-9212 Jun 28 j 01:35	13°♉12'16	
	-9212 Jul 13 j 19:47	15°♉	

conjunction	-9212 Jul 14 j 19:41	15°♉06'52	1°14'36
minimum elong	-9212 Jul 14 j 19:38	15°♉06'51	1°14'57
max. Earth dist.	-9212 Jul 14 j 04:40	15°♉02'33	11.25828 AU
morning rise	-9212 Jul 31 j 09:50	17°♉00'26	
retrograde	-9212 Nov 06 j 13:03	23°♉40'43	
opposition	-9211 Jan 15 j 11:36	20°♉25'46	1°44'47
min. Earth dist.	-9211 Jan 16 j 01:22	20°♉23'15	9.27166 AU
direct	-9211 Mar 28 j 15:58	17°♉05'49	
evening set	-9211 Jul 09 j 02:22	24°♉00'25	
conjunction	-9211 Jul 25 j 16:58	25°♉54'02	1°37'15
minimum elong	-9211 Jul 25 j 16:55	25°♉54'01	1°37'40
max. Earth dist.	-9211 Jul 24 j 23:11	25°♉48'55	11.27575 AU
morning rise	-9211 Aug 11 j 04:09	27°♉46'48	
	-9211 Aug 31 j 18:04	0°♊	
retrograde	-9211 Nov 17 j 17:46	4°♊28'22	
opposition	-9210 Jan 27 j 00:06	1°♊13'14	2°10'22
min. Earth dist.	-9210 Jan 27 j 17:08	1°♊10'08	9.27454 AU
	-9210 Feb 13 j 04:06	30°℞♉	
direct	-9210 Apr 09 j 01:19	27°♉53'50	
	-9210 May 31 j 22:53	0°♊	
evening set	-9210 Jul 20 j 01:18	4°♊47'26	
conjunction	-9210 Aug 05 j 12:44	6°♊40'31	1°56'25
minimum elong	-9210 Aug 05 j 12:41	6°♊40'30	1°56'55
max. Earth dist.	-9210 Aug 04 j 15:25	6°♊34'22	11.26308 AU
morning rise	-9210 Aug 21 j 21:47	8°♊33'02	
retrograde	-9210 Nov 29 j 00:52	15°♊17'56	
opposition	-9209 Feb 07 j 14:35	12°♊02'18	2°31'28
min. Earth dist.	-9209 Feb 08 j 10:15	11°♊58'43	9.24729 AU
direct	-9209 Apr 20 j 11:09	8°♊43'16	
evening set	-9209 Jul 30 j 23:51	15°♊37'26	
max. Earth dist.	-9209 Aug 15 j 09:36	17°♊23'46	11.22069 AU
conjunction	-9209 Aug 16 j 08:56	17°♊30'32	2°11'31
minimum elong	-9209 Aug 16 j 08:54	17°♊30'32	2°12'04
morning rise	-9209 Sep 01 j 16:38	19°♊23'20	
retrograde	-9209 Dec 10 j 13:35	26°♊13'33	
opposition	-9208 Feb 19 j 08:16	22°♊57'05	2°47'20
min. Earth dist.	-9208 Feb 20 j 04:59	22°♊53'19	9.19062 AU
direct	-9208 Apr 30 j 22:00	19°♊38'16	
evening set	-9208 Aug 09 j 23:58	26°♊34'32	
max. Earth dist.	-9208 Aug 25 j 08:17	28°♊21'22	11.14973 AU
conjunction	-9208 Aug 26 j 07:47	28°♊28'14	2°21'59
minimum elong	-9208 Aug 26 j 07:45	28°♊28'14	2°22'33
	-9208 Sep 08 j 10:46	0°♋	
morning rise	-9208 Sep 11 j 14:54	0°♋21'53	
retrograde	-9208 Dec 21 j 09:21	7°♋19'16	
opposition	-9207 Mar 02 j 06:21	4°♋01'43	2°57'20
min. Earth dist.	-9207 Mar 03 j 03:07	3°♋57'54	9.10614 AU
direct	-9207 May 12 j 09:57	0°♋42'54	
evening set	-9207 Aug 21 j 03:26	7°♋42'47	
max. Earth dist.	-9207 Sep 05 j 10:52	9°♋30'35	11.05231 AU
conjunction	-9207 Sep 06 j 10:53	9°♋37'41	2°27'16
minimum elong	-9207 Sep 06 j 10:52	9°♋37'41	2°27'50
morning rise	-9207 Sep 22 j 18:36	11°♋32'48	
retrograde	-9206 Jan 02 j 13:39	18°♋39'01	
opposition	-9206 Mar 14 j 10:28	15°♋20'10	3°00'46
min. Earth dist.	-9206 Mar 15 j 07:23	15°♋16'18	8.99641 AU
direct	-9206 May 24 j 00:44	12°♋01'10	
evening set	-9206 Sep 01 j 11:59	19°♋06'05	
conjunction	-9206 Sep 17 j 20:04	21°♋02'46	2°26'52
minimum elong	-9206 Sep 17 j 20:05	21°♋02'46	2°27'25
max. Earth dist.	-9206 Sep 16 j 19:54	20°♋55'31	10.93163 AU

Attention, astronomical year style is used: The year -9206 in astronomical counting style is the year 9207 BCE in historical counting style.

morning rise	-9206 Oct 04 j 05:41	22°♋59'59		
	-9206 Dec 27 j 14:26	0°♌		
retrograde	-9205 Jan 15 j 00:45	0°♌16'40		
	-9205 Feb 02 j 15:52	30°℞♋		
opposition	-9205 Mar 26 j 21:42	26°♋56'16	2°57'03	
min. Earth dist.	-9205 Mar 27 j 18:09	26°♋52'27	8.86524 AU	
direct	-9205 Jun 04 j 20:57	23°♋36'52		
	-9205 Sep 06 j 07:42	0°♌		
evening set	-9205 Sep 13 j 03:27	0°♌48'11		
conjunction	-9205 Sep 29 j 13:34	2°♌47'15	2°20'23	
minimum elong	-9205 Sep 29 j 13:36	2°♌47'16	2°20'54	
max. Earth dist.	-9205 Sep 28 j 15:05	2°♌40'24	10.79199 AU	
morning rise	-9205 Oct 16 j 02:16	4°♌47'10		
retrograde	-9204 Jan 27 j 23:23	12°♌15'40		
opposition	-9204 Apr 07 j 16:47	8°♌53'31	2°45'40	
min. Earth dist.	-9204 Apr 08 j 11:18	8°♌50'01	8.71754 AU	
direct	-9204 Jun 16 j 01:09	5°♌33'31		
evening set	-9204 Sep 24 j 03:33	12°♌52'27		
conjunction	-9204 Oct 10 j 17:03	14°♌54'29	2°07'33	
minimum elong	-9204 Oct 10 j 17:07	14°♌54'30	2°08'00	
max. Earth dist.	-9204 Oct 09 j 21:55	14°♌48'34	10.63867 AU	
	-9204 Oct 11 j 10:52	15°♌		
morning rise	-9204 Oct 27 j 09:54	16°♌57'40		
retrograde	-9203 Feb 09 j 10:21	24°♌38'57		
opposition	-9203 Apr 20 j 20:31	21°♌14'57	2°26'20	
min. Earth dist.	-9203 Apr 21 j 11:35	21°♌12'04	8.55914 AU	
direct	-9203 Jun 28 j 11:34	17°♌54'12		
evening set	-9203 Oct 06 j 14:16	25°♌21'49		
conjunction	-9203 Oct 23 j 08:07	27°♌27'17	1°48'20	
minimum elong	-9203 Oct 23 j 08:10	27°♌27'18	1°48'42	
max. Earth dist.	-9203 Oct 22 j 16:39	27°♌22'25	10.47801 AU	
morning rise	-9203 Nov 09 j 06:06	29°♌34'11		
	-9203 Nov 12 j 18:20	0°♍		
retrograde	-9202 Feb 23 j 07:29	7°♍28'48		
opposition	-9202 May 04 j 09:19	4°♍02'54	1°59'06	
min. Earth dist.	-9202 May 04 j 20:23	4°♍00'45	8.39702 AU	
direct	-9202 Jul 11 j 06:39	0°♍41'13		
evening set	-9202 Oct 19 j 13:04	8°♍18'22		
conjunction	-9202 Nov 05 j 12:04	10°♍27'38	1°23'04	
minimum elong	-9202 Nov 05 j 12:08	10°♍27'39	1°23'19	
max. Earth dist.	-9202 Nov 05 j 00:26	10°♍23'54	10.31746 AU	
morning rise	-9202 Nov 22 j 16:07	12°♍38'32		
retrograde	-9201 Mar 09 j 15:57	20°♍46'27		
opposition	-9201 May 18 j 07:17	17°♍18'40	1°24'33	
min. Earth dist.	-9201 May 18 j 14:17	17°♍17'17	8.23900 AU	
direct	-9201 Jul 24 j 11:58	13°♍55'53		
evening set	-9201 Nov 02 j 01:11	21°♍43'10		
conjunction	-9201 Nov 19 j 05:56	23°♍56'20	0°52'31	
minimum elong	-9201 Nov 19 j 05:58	23°♍56'20	0°52'39	
max. Earth dist.	-9201 Nov 18 j 22:51	23°♍54'02	10.16474 AU	
morning rise	-9201 Dec 06 j 16:23	26°♍11'21		
	-9200 Jan 07 j 16:42	0°♎		
retrograde	-9200 Mar 23 j 10:42	4°♎31'47		
opposition	-9200 May 31 j 13:48	1°♎02'18	0°43'55	
min. Earth dist.	-9200 May 31 j 16:51	1°♎01'41	8.09287 AU	
	-9200 Jun 13 j 16:56	30°℞♍		
direct	-9200 Aug 06 j 03:08	27°♍38'16		
	-9200 Sep 26 j 06:46	0°♎		
evening set	-9200 Nov 15 j 03:29	5°♎35'59		
conjunction	-9200 Dec 02 j 14:08	7°♎52'57	0°18'02	
minimum elong	-9200 Dec 02 j 14:09	7°♎52'57	0°18'01	
max. Earth dist.	-9200 Dec 02 j 12:40	7°♎52'27	10.02759 AU	
morning rise	-9200 Dec 20 j 06:41	10°♎11'50		
retrograde	-9199 Apr 07 j 14:05	18°♎43'16		
desc. node	-9199 Jun 08 j 21:04	15°♎42'59		
opposition	-9199 Jun 15 j 03:43	15°♎12'24	-0°00'46	
min. Earth dist.	-9199 Jun 15 j 02:12	15°♎12'42	7.96695 AU	
direct	-9199 Aug 20 j 04:27	11°♎47'07		
evening set	-9199 Nov 29 j 19:51	19°♎55'00		
conjunction	-9199 Dec 17 j 12:04	22°♎15'20	-0°18'32	
minimum elong	-9199 Dec 17 j 12:03	22°♎15'19	0°18'40	
max. Earth dist.	-9199 Dec 17 j 17:08	22°♎17'00	9.91491 AU	
morning rise	-9198 Jan 04 j 09:52	24°♎37'30		
	-9198 Feb 19 j 09:29	0°♏		
retrograde	-9198 Apr 22 j 23:15	3°♏17'26		
	-9198 Jun 27 j 01:29	30°℞♎		
opposition	-9198 Jun 29 j 23:41	29°♎45'31	-0°46'41	
min. Earth dist.	-9198 Jun 29 j 17:01	29°♎46'53	7.87050 AU	
direct	-9198 Sep 03 j 16:29	26°♎19'00		
	-9198 Nov 06 j 20:58	0°♏		
evening set	-9198 Dec 15 j 01:02	4°♏35'51		
conjunction	-9197 Jan 01 j 21:57	6°♏58'46	-0°54'35	
minimum elong	-9197 Jan 01 j 21:54	6°♏58'45	0°54'52	
max. Earth dist.	-9197 Jan 02 j 09:58	7°♏02'48	9.83573 AU	
morning rise	-9197 Jan 19 j 23:44	9°♏23'17		
	-9197 Mar 08 j 23:00	15°♏		
retrograde	-9197 May 08 j 10:49	18°♏08'04		
	-9197 Jul 10 j 01:46	15°℞♏		
opposition	-9197 Jul 14 j 23:12	14°♏35'32	-1°30'24	
min. Earth dist.	-9197 Jul 14 j 11:29	14°♏37'59	7.81147 AU	
direct	-9197 Sep 18 j 11:53	11°♏07'51		
	-9197 Nov 23 j 09:33	15°♏		
evening set	-9197 Dec 30 j 16:34	19°♏31'36		
conjunction	-9196 Jan 17 j 16:54	21°♏56'02	-1°27'28	
minimum elong	-9196 Jan 17 j 16:49	21°♏56'00	1°27'53	
max. Earth dist.	-9196 Jan 18 j 11:15	22°♏02'12	9.79671 AU	
morning rise	-9196 Feb 04 j 21:02	24°♏21'41		
	-9196 Mar 23 j 22:58	0°♐		
retrograde	-9196 May 22 j 21:33	3°♐06'54		
	-9196 Jul 23 j 20:39	30°℞♏		
opposition	-9196 Jul 28 j 23:17	29°♏34'17	-2°08'24	
min. Earth dist.	-9196 Jul 28 j 07:15	29°♏37'39	7.79472 AU	
direct	-9196 Oct 02 j 12:28	26°♏05'33		
	-9196 Dec 07 j 23:56	0°♐		
evening set	-9195 Jan 14 j 14:06	4°♐33'18		
conjunction	-9195 Feb 01 j 16:26	6°♐58'04	-1°54'35	
minimum elong	-9195 Feb 01 j 16:21	6°♐58'02	1°55'05	
max. Earth dist.	-9195 Feb 02 j 15:48	7°♐05'54	9.80124 AU	
morning rise	-9195 Feb 19 j 21:16	9°♐23'35		
retrograde	-9195 Jun 07 j 03:44	18°♐04'38		
opposition	-9195 Aug 12 j 21:15	14°♐32'28	-2°37'34	
min. Earth dist.	-9195 Aug 12 j 02:17	14°♐36'27	7.82166 AU	
direct	-9195 Oct 17 j 15:25	11°♐02'55		
evening set	-9194 Jan 30 j 12:31	19°♐31'12		
conjunction	-9194 Feb 17 j 15:33	21°♐55'09	-2°13'52	
minimum elong	-9194 Feb 17 j 15:30	21°♐55'08	2°14'25	
max. Earth dist.	-9194 Feb 18 j 18:09	22°♐04'00	9.84903 AU	
morning rise	-9194 Mar 07 j 19:44	24°♐19'22		
	-9194 Apr 26 j 00:33	0°♑		
retrograde	-9194 Jun 22 j 02:05	2°♑51'59		
	-9194 Aug 19 j 18:24	30°℞♐		
opposition	-9194 Aug 27 j 14:06	29°♐20'46	-2°55'49	
min. Earth dist.	-9194 Aug 26 j 17:50	29°♐25'02	7.89002 AU	

Attention, astronomical year style is used: The year -9194 in astronomical counting style is the year 9195 BCE in historical counting style.

direct	-9194 Nov 01 j 18:06	25°♐50'42	
	-9193 Jan 10 j 16:23	0°♑	
evening set	-9193 Feb 15 j 07:11	4°♑16'01	
conjunction	-9193 Mar 05 j 09:53	6°♑38'10	-2°24'07
minimum elong	-9193 Mar 05 j 09:51	6°♑38'10	2°24'41
max. Earth dist.	-9193 Mar 06 j 13:31	6°♑47'16	9.93624 AU
morning rise	-9193 Mar 23 j 12:20	9°♑00'07	
retrograde	-9193 Jul 06 j 13:55	17°♑20'50	
opposition	-9193 Sep 10 j 23:29	13°♑51'03	-3°02'20
min. Earth dist.	-9193 Sep 10 j 03:22	13°♑55'15	7.99441 AU
direct	-9193 Nov 16 j 18:20	10°♑20'49	
evening set	-9192 Mar 01 j 17:33	18°♑39'57	
conjunction	-9192 Mar 19 j 19:03	20°♑59'36	-2°25'07
minimum elong	-9192 Mar 19 j 19:05	20°♑59'36	2°25'40
max. Earth dist.	-9192 Mar 20 j 21:42	21°♑08'14	10.05620 AU
morning rise	-9192 Apr 06 j 19:03	23°♑18'37	
	-9192 Jun 09 j 23:07	0°♒	
retrograde	-9192 Jul 19 j 12:16	1°♒25'12	
	-9192 Aug 28 j 10:45	30°℞♑	
min. Earth dist.	-9192 Sep 23 j 05:05	28°♑01'05	8.12725 AU
opposition	-9192 Sep 24 j 00:03	27°♑57'11	-2°57'30
direct	-9192 Nov 30 j 12:31	24°♑27'12	
	-9191 Feb 22 j 19:45	0°♒	
evening set	-9191 Mar 16 j 16:07	2°♒37'33	
conjunction	-9191 Apr 03 j 15:49	4°♒54'14	-2°17'30
minimum elong	-9191 Apr 03 j 15:52	4°♒54'14	2°18'01
max. Earth dist.	-9191 Apr 04 j 15:53	5°♒01'54	10.20053 AU
morning rise	-9191 Apr 21 j 12:53	7°♒09'56	
	-9191 Jul 27 j 20:25	15°♒	
retrograde	-9191 Aug 01 j 21:35	15°♒01'26	
	-9191 Aug 06 j 23:15	15°℞♒	
opposition	-9191 Oct 07 j 14:46	11°♒35'21	-2°42'41
min. Earth dist.	-9191 Oct 06 j 21:22	11°♒38'54	8.27974 AU
direct	-9191 Dec 14 j 22:00	8°♒05'59	
	-9190 Mar 21 j 23:13	15°♒	
evening set	-9190 Mar 31 j 01:22	16°♒05'57	
conjunction	-9190 Apr 17 j 22:52	18°♒19'26	-2°02'31
minimum elong	-9190 Apr 17 j 22:55	18°♒19'27	2°02'57
max. Earth dist.	-9190 Apr 18 j 19:31	18°♒25'53	10.36008 AU
morning rise	-9190 May 05 j 16:38	20°♒31'39	
retrograde	-9190 Aug 14 j 19:52	28°♒08'11	
opposition	-9190 Oct 20 j 19:25	24°♒44'07	-2°19'46
min. Earth dist.	-9190 Oct 20 j 04:22	24°♒47'08	8.44277 AU
direct	-9190 Dec 28 j 20:41	21°♒15'40	
evening set	-9189 Apr 13 j 20:41	29°♒04'31	
	-9189 Apr 21 j 11:43	0°♓	
conjunction	-9189 May 01 j 15:30	1°♓14'46	-1°41'42
minimum elong	-9189 May 01 j 15:34	1°♓14'47	1°42'03
max. Earth dist.	-9189 May 02 j 08:18	1°♓19'55	10.52569 AU
morning rise	-9189 May 19 j 05:40	3°♓23'32	
retrograde	-9189 Aug 27 j 07:49	10°♓46'04	
opposition	-9189 Nov 02 j 14:52	7°♓24'02	-1°50'49
min. Earth dist.	-9189 Nov 02 j 03:07	7°♓26'21	8.60768 AU
direct	-9188 Jan 11 j 08:59	3°♓56'45	
evening set	-9188 Apr 26 j 02:18	11°♓34'32	
conjunction	-9188 May 13 j 17:55	13°♓41'35	-1°16'40
minimum elong	-9188 May 13 j 17:58	13°♓41'36	1°16'54
max. Earth dist.	-9188 May 14 j 06:14	13°♓45'19	10.68901 AU
morning rise	-9188 May 31 j 04:16	15°♓47'04	
retrograde	-9188 Sep 07 j 09:14	22°♓57'15	
opposition	-9188 Nov 14 j 01:55	19°♓37'09	-1°17'52
min. Earth dist.	-9188 Nov 13 j 18:32	19°♓38'35	8.76676 AU
direct	-9187 Jan 23 j 11:47	16°♓11'10	
evening set	-9187 May 08 j 19:24	23°♓38'33	
conjunction	-9187 May 26 j 07:21	25°♓42'35	-0°48'56
minimum elong	-9187 May 26 j 07:23	25°♓42'36	0°49'04
max. Earth dist.	-9187 May 26 j 14:00	25°♓44'34	10.84278 AU
morning rise	-9187 Jun 12 j 13:55	27°♓45'02	
	-9187 Jul 02 j 16:21	0°♈	
retrograde	-9187 Sep 19 j 02:47	4°♈44'48	
opposition	-9187 Nov 26 j 05:26	1°♈26'25	-0°42'42
min. Earth dist.	-9187 Nov 26 j 02:28	1°♈26'59	8.91332 AU
	-9187 Dec 15 j 17:01	30°℞♓	
direct	-9186 Feb 05 j 04:35	28°♓01'50	
	-9186 Mar 27 j 19:35	0°♈	
evening set	-9186 May 21 j 01:19	5°♈19'54	
conjunction	-9186 Jun 07 j 09:19	7°♈21'11	-0°19'55
minimum elong	-9186 Jun 07 j 09:20	7°♈21'11	0°19'55
max. Earth dist.	-9186 Jun 07 j 10:01	7°♈21'23	10.98081 AU
morning rise	-9186 Jun 24 j 12:07	9°♈20'56	
retrograde	-9186 Sep 30 j 12:44	16°♈12'27	
opposition	-9186 Dec 08 j 03:04	12°♈55'32	-0°06'52
min. Earth dist.	-9186 Dec 08 j 03:48	12°♈55'23	9.04155 AU
direct	-9185 Feb 17 j 14:09	9°♈32'20	
asc. node	-9185 Feb 18 j 04:41	9°♈32'21	
evening set	-9185 Jun 01 j 21:41	16°♈42'24	
conjunction	-9185 Jun 19 j 01:39	18°♈41'14	0°09'17
minimum elong	-9185 Jun 19 j 01:38	18°♈41'14	0°09'25
behind sun begin	-9185 Jun 18 j 19:44	18°♈39'32	
behind sun end	-9185 Jun 19 j 07:32	18°♈42'56	
max. Earth dist.	-9185 Jun 18 j 21:47	18°♈40'08	11.09787 AU
morning rise	-9185 Jul 06 j 00:29	20°♈38'38	
retrograde	-9185 Oct 11 j 20:51	27°♈24'09	
opposition	-9185 Dec 19 j 20:12	24°♈08'22	0°28'19
min. Earth dist.	-9185 Dec 20 j 00:26	24°♈07'35	9.14684 AU
direct	-9184 Feb 29 j 16:02	20°♈46'30	
evening set	-9184 Jun 12 j 10:17	27°♈50'02	
conjunction	-9184 Jun 29 j 10:10	29°♈46'48	0°37'30
minimum elong	-9184 Jun 29 j 10:08	29°♈46'47	0°37'44
max. Earth dist.	-9184 Jun 29 j 02:29	29°♈44'35	11.18994 AU
	-9184 Jul 01 j 07:56	0°♉	
morning rise	-9184 Jul 16 j 05:06	1°♉42'14	
retrograde	-9184 Oct 22 j 01:10	8°♉23'54	
opposition	-9184 Dec 30 j 10:19	5°♉08'56	1°01'45
min. Earth dist.	-9184 Dec 30 j 18:54	5°♉07'21	9.22576 AU
direct	-9183 Mar 12 j 09:50	1°♉48'14	
evening set	-9183 Jun 23 j 16:48	8°♉46'47	
conjunction	-9183 Jul 10 j 12:34	10°♉41'52	1°03'58
minimum elong	-9183 Jul 10 j 12:32	10°♉41'52	1°04'17
max. Earth dist.	-9183 Jul 10 j 00:01	10°♉38'16	11.25409 AU
morning rise	-9183 Jul 27 j 04:04	12°♉35'50	
	-9183 Aug 18 j 13:37	15°♉	
retrograde	-9183 Nov 02 j 04:05	19°♉15'47	
opposition	-9182 Jan 10 j 22:45	16°♉01'17	1°32'32
min. Earth dist.	-9182 Jan 11 j 11:31	15°♉58'57	9.27565 AU
	-9182 Jan 25 j 03:37	15°℞♉	
direct	-9182 Mar 24 j 01:23	12°♉41'29	
	-9182 May 18 j 20:18	15°♉	
evening set	-9182 Jul 04 j 19:02	19°♉36'43	
conjunction	-9182 Jul 21 j 10:55	21°♉30'33	1°27'54
minimum elong	-9182 Jul 21 j 10:52	21°♉30'33	1°28'18
max. Earth dist.	-9182 Jul 20 j 17:56	21°♉25'41	11.28818 AU

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

morning rise	-9182 Aug 06 j 23:23	23°♉23'29		
	-9182 Nov 04 j 12:24	0°♊		
retrograde	-9182 Nov 13 j 07:06	0°♊03'49		
	-9182 Nov 22 j 03:39	30°℞♉		
opposition	-9181 Jan 22 j 10:51	26°♉49'21	1°59'50	
min. Earth dist.	-9181 Jan 23 j 02:32	26°♉46'30	9.29468 AU	
direct	-9181 Apr 04 j 13:14	23°♉30'18		
	-9181 Jul 12 j 05:23	0°♊		
evening set	-9181 Jul 15 j 18:29	0°♊23'45		
max. Earth dist.	-9181 Jul 31 j 11:41	2°♊11'14	11.29086 AU	
conjunction	-9181 Aug 01 j 07:09	2°♊16'50	1°48'38	
minimum elong	-9181 Aug 01 j 07:06	2°♊16'49	1°49'06	
morning rise	-9181 Aug 17 j 17:00	4°♊09'14		
retrograde	-9181 Nov 24 j 14:23	10°♊52'01		
opposition	-9180 Feb 03 j 00:13	7°♊37'12	2°22'55	
min. Earth dist.	-9180 Feb 03 j 18:03	7°♊33'58	9.28177 AU	
direct	-9180 Apr 14 j 23:48	4°♊18'39		
evening set	-9180 Jul 25 j 16:51	11°♊11'55		
max. Earth dist.	-9180 Aug 10 j 05:00	12°♊58'28	11.26144 AU	
conjunction	-9180 Aug 11 j 02:57	13°♊04'48	2°05'32	
minimum elong	-9180 Aug 11 j 02:54	13°♊04'48	2°06'04	
morning rise	-9180 Aug 27 j 10:55	14°♊57'14		
retrograde	-9180 Dec 05 j 01:12	21°♊44'27		
opposition	-9179 Feb 13 j 16:13	18°♊28'59	2°41'06	
min. Earth dist.	-9179 Feb 14 j 12:37	18°♊25'16	9.23669 AU	
direct	-9179 Apr 26 j 08:15	15°♊10'40		
evening set	-9179 Aug 05 j 16:13	22°♊05'26		
max. Earth dist.	-9179 Aug 20 j 23:29	23°♊51'26	11.20049 AU	
conjunction	-9179 Aug 22 j 00:21	23°♊58'41	2°18'03	
minimum elong	-9179 Aug 22 j 00:19	23°♊58'40	2°18'37	
morning rise	-9179 Sep 07 j 07:32	25°♊51'44		
	-9179 Oct 17 j 16:25	0°♋		
retrograde	-9179 Dec 16 j 16:06	2°♋45'22		
	-9178 Feb 18 j 08:37	30°℞♊		
opposition	-9178 Feb 25 j 12:06	29°♊28'53	2°53'42	
min. Earth dist.	-9178 Feb 26 j 10:41	29°♊24'46	9.16086 AU	
direct	-9178 May 07 j 19:17	26°♊10'32		
	-9178 Jul 18 j 12:41	0°♋		
evening set	-9178 Aug 16 j 18:04	3°♋08'26		
max. Earth dist.	-9178 Aug 31 j 23:22	4°♋54'59	11.11036 AU	
conjunction	-9178 Sep 02 j 01:20	5°♋02'37	2°25'38	
minimum elong	-9178 Sep 02 j 01:19	5°♋02'36	2°26'12	
morning rise	-9178 Sep 18 j 08:42	6°♋56'54		
retrograde	-9178 Dec 28 j 16:18	13°♋58'48		
opposition	-9177 Mar 09 j 13:30	10°♋40'57	3°00'04	
min. Earth dist.	-9177 Mar 10 j 12:14	10°♋36'46	9.05721 AU	
direct	-9177 May 19 j 10:28	7°♋22'21		
evening set	-9177 Aug 27 j 23:59	14°♋24'44		
max. Earth dist.	-9177 Sep 12 j 06:36	16°♋13'01	10.99440 AU	
conjunction	-9177 Sep 13 j 07:41	16°♋20'30	2°27'45	
minimum elong	-9177 Sep 13 j 07:41	16°♋20'30	2°28'19	
morning rise	-9177 Sep 29 j 16:15	18°♋16'39		
retrograde	-9176 Jan 10 j 00:15	25°♋28'27		
opposition	-9176 Mar 20 j 21:24	22°♋08'56	2°59'33	
min. Earth dist.	-9176 Mar 21 j 18:58	22°♋04'56	8.92957 AU	
direct	-9176 May 30 j 04:11	18°♋49'51		
evening set	-9176 Sep 07 j 12:12	25°♋58'08		
conjunction	-9176 Sep 23 j 21:24	27°♋56'04	2°23'58	
minimum elong	-9176 Sep 23 j 21:26	27°♋56'04	2°24'30	
max. Earth dist.	-9176 Sep 22 j 21:25	27°♋48'49	10.85686 AU	
morning rise	-9176 Oct 10 j 08:27	29°♋54'41		
	-9176 Oct 11 j 02:25	0°♌		
retrograde	-9175 Jan 21 j 18:52	7°♌17'49		
opposition	-9175 Apr 02 j 12:43	3°♌56'25	2°51'36	
min. Earth dist.	-9175 Apr 03 j 08:41	3°♌52'41	8.78267 AU	
direct	-9175 Jun 11 j 04:23	0°♌36'37		
evening set	-9175 Sep 19 j 08:19	7°♌52'06		
conjunction	-9175 Oct 05 j 20:08	9°♌52'48	2°13'56	
minimum elong	-9175 Oct 05 j 20:11	9°♌52'49	2°14'25	
max. Earth dist.	-9175 Oct 04 j 21:21	9°♌45'48	10.70303 AU	
morning rise	-9175 Oct 22 j 11:01	11°♌54'31		
	-9175 Nov 18 j 15:20	15°♌		
retrograde	-9174 Feb 03 j 23:54	19°♌30'09		
opposition	-9174 Apr 15 j 12:39	16°♌06'44	2°35'48	
min. Earth dist.	-9174 Apr 16 j 06:43	16°♌03'18	8.62239 AU	
	-9174 Apr 30 j 09:49	15°℞♌		
direct	-9174 Jun 23 j 10:56	12°♌46'01		
	-9174 Aug 13 j 22:51	15°♌		
evening set	-9174 Oct 01 j 13:56	20°♌09'53		
max. Earth dist.	-9174 Oct 17 j 10:03	22°♌07'45	10.53921 AU	
conjunction	-9174 Oct 18 j 05:38	22°♌13'52	1°57'31	
minimum elong	-9174 Oct 18 j 05:41	22°♌13'53	1°57'55	
morning rise	-9174 Nov 04 j 01:25	24°♌19'11		
	-9174 Dec 28 j 04:14	0°♍		
retrograde	-9173 Feb 17 j 14:42	2°♍08'10		
	-9173 Apr 11 j 19:00	30°℞♌		
opposition	-9173 Apr 28 j 21:37	28°♌42'40	2°12'01	
min. Earth dist.	-9173 Apr 29 j 12:30	28°♌39'48	8.45566 AU	
direct	-9173 Jul 06 j 02:58	25°♌20'53		
	-9173 Sep 19 j 17:46	0°♍		
evening set	-9173 Oct 14 j 07:08	2°♍54'09		
conjunction	-9173 Oct 31 j 03:51	5°♍01'52	1°34'50	
minimum elong	-9173 Oct 31 j 03:55	5°♍01'54	1°35'09	
max. Earth dist.	-9173 Oct 30 j 13:07	4°♍57'11	10.37266 AU	
morning rise	-9173 Nov 17 j 05:19	7°♍11'10		
retrograde	-9172 Mar 02 j 17:59	15°♍13'47		
opposition	-9172 May 11 j 15:37	11°♍46'14	1°40'33	
min. Earth dist.	-9172 May 12 j 02:00	11°♍44'11	8.29036 AU	
direct	-9172 Jul 18 j 05:05	8°♍23'17		
evening set	-9172 Oct 26 j 13:20	16°♍06'43		
conjunction	-9172 Nov 12 j 15:45	18°♍18'24	1°06'27	
minimum elong	-9172 Nov 12 j 15:48	18°♍18'25	1°06'38	
max. Earth dist.	-9172 Nov 12 j 06:47	18°♍15'30	10.21158 AU	
morning rise	-9172 Nov 29 j 23:23	20°♍31'51		
retrograde	-9171 Mar 17 j 09:08	28°♍47'41		
opposition	-9171 May 25 j 18:40	25°♍18'14	1°02'20	
min. Earth dist.	-9171 May 25 j 23:35	25°♍17'15	8.13508 AU	
direct	-9171 Jul 31 j 15:34	21°♍54'06		
evening set	-9171 Nov 09 j 09:33	29°♍48'01		
	-9171 Nov 10 j 22:47	0°♎		
conjunction	-9171 Nov 26 j 17:50	2°♎03'37	0°33'26	
minimum elong	-9171 Nov 26 j 17:52	2°♎03'38	0°33'29	
max. Earth dist.	-9171 Nov 26 j 14:49	2°♎02'38	10.06479 AU	
morning rise	-9171 Dec 14 j 07:42	4°♎21'07		
retrograde	-9170 Apr 01 j 09:55	12°♎48'54		
opposition	-9170 Jun 09 j 05:58	9°♎17'51	0°19'02	
min. Earth dist.	-9170 Jun 09 j 05:18	9°♎17'59	7.99892 AU	
direct	-9170 Aug 14 j 12:08	5°♎52'29		
desc. node	-9170 Nov 14 j 22:18	12°♎48'10		
evening set	-9170 Nov 23 j 20:10	13°♎56'45		
conjunction	-9170 Dec 11 j 10:08	16°♎15'56	-0°02'36	
minimum elong	-9170 Dec 11 j 10:07	16°♎15'56	0°02'41	

Attention, astronomical year style is used: The year -9170 in astronomical counting style is the year 9171 BCE in historical counting style.

behind sun begin	-9170 Dec 11 j 02:52	16°♎13'33	
behind sun end	-9170 Dec 11 j 17:23	16°♎18'19	
max. Earth dist.	-9170 Dec 11 j 13:22	16°♎16'57	9.94139 AU
morning rise	-9170 Dec 29 j 05:46	18°♎37'00	
retrograde	-9169 Apr 16 j 17:47	27°♎14'24	
opposition	-9169 Jun 23 j 23:55	23°♎42'10	-0°26'49
min. Earth dist.	-9169 Jun 23 j 18:09	23°♎43'21	7.89077 AU
direct	-9169 Aug 28 j 19:27	20°♎15'35	
evening set	-9169 Dec 08 j 20:24	28°♎29'19	
	-9169 Dec 20 j 05:48	0°♏	
conjunction	-9169 Dec 26 j 15:22	0°♏51'25	-0°39'10
minimum elong	-9169 Dec 26 j 15:19	0°♏51'25	0°39'23
max. Earth dist.	-9169 Dec 27 j 00:59	0°♏54'39	9.84970 AU
morning rise	-9168 Jan 13 j 15:42	3°♏15'16	
retrograde	-9168 May 01 j 05:12	11°♏59'00	
opposition	-9168 Jul 07 j 22:30	8°♏26'03	-1°11'59
min. Earth dist.	-9168 Jul 07 j 12:04	8°♏28'14	7.81821 AU
direct	-9168 Sep 11 j 11:49	4°♏58'20	
evening set	-9168 Dec 23 j 08:00	13°♏19'51	
	-9167 Jan 04 j 20:24	15°♏	
conjunction	-9167 Jan 10 j 06:50	15°♏43'53	-1°13'47
minimum elong	-9167 Jan 10 j 06:46	15°♏43'52	1°14'09
max. Earth dist.	-9167 Jan 10 j 22:39	15°♏49'13	9.79646 AU
morning rise	-9167 Jan 28 j 10:17	18°♏09'22	
retrograde	-9167 May 16 j 16:51	26°♏55'21	
opposition	-9167 Jul 22 j 22:57	23°♏22'16	-1°52'54
min. Earth dist.	-9167 Jul 22 j 08:28	23°♏25'19	7.78676 AU
direct	-9167 Sep 26 j 10:47	19°♏53'36	
evening set	-9166 Jan 08 j 03:27	28°♏20'19	
	-9166 Jan 20 j 14:40	0°♐	
conjunction	-9166 Jan 26 j 04:55	0°♐45'09	-1°43'43
minimum elong	-9166 Jan 26 j 04:51	0°♐45'08	1°44'10
max. Earth dist.	-9166 Jan 27 j 02:15	0°♐52'20	9.78611 AU
morning rise	-9166 Feb 13 j 09:50	3°♐11'01	
retrograde	-9166 Jun 01 j 01:26	11°♐54'43	
opposition	-9166 Aug 06 j 22:22	8°♐22'03	-2°26'13
min. Earth dist.	-9166 Aug 06 j 04:29	8°♐25'50	7.79909 AU
direct	-9166 Oct 11 j 13:44	4°♐52'39	
evening set	-9165 Jan 24 j 02:14	13°♐21'22	
conjunction	-9165 Feb 11 j 05:03	15°♐45'50	-2°06'34
minimum elong	-9165 Feb 11 j 05:00	15°♐45'49	2°07'07
max. Earth dist.	-9165 Feb 12 j 06:42	15°♐54'25	9.81973 AU
morning rise	-9165 Mar 01 j 09:52	18°♐10'50	
retrograde	-9165 Jun 16 j 03:25	26°♐47'47	
opposition	-9165 Aug 21 j 17:53	23°♐16'05	-2°49'20
min. Earth dist.	-9165 Aug 20 j 21:27	23°♐20'23	7.85430 AU
direct	-9165 Oct 26 j 17:40	19°♐46'16	
evening set	-9164 Feb 08 j 23:24	28°♐13'26	
	-9164 Feb 22 j 12:12	0°♑	
conjunction	-9164 Feb 27 j 02:21	0°♑36'28	-2°20'47
minimum elong	-9164 Feb 27 j 02:19	0°♑36'27	2°21'21
max. Earth dist.	-9164 Feb 28 j 06:37	0°♑45'49	9.89486 AU
morning rise	-9164 Mar 16 j 05:43	2°♑59'31	
retrograde	-9164 Jun 29 j 20:03	11°♑25'52	
min. Earth dist.	-9164 Sep 03 j 09:11	8°♑00'09	7.94827 AU
opposition	-9164 Sep 04 j 06:54	7°♑55'37	-3°00'53
direct	-9164 Nov 09 j 19:29	4°♑25'43	
evening set	-9163 Feb 23 j 14:00	12°♑47'54	
conjunction	-9163 Mar 13 j 16:11	15°♑08'40	-2°25'43
minimum elong	-9163 Mar 13 j 16:11	15°♑08'40	2°26'17
max. Earth dist.	-9163 Mar 14 j 21:09	15°♑18'08	10.00606 AU
morning rise	-9163 Mar 31 j 17:14	17°♑28'59	
retrograde	-9163 Jul 14 j 00:47	25°♑41'56	
opposition	-9163 Sep 18 j 11:36	22°♑13'29	-3°00'45
min. Earth dist.	-9163 Sep 17 j 14:06	22°♑17'56	8.07429 AU
direct	-9163 Nov 24 j 15:48	18°♑43'51	
evening set	-9162 Mar 10 j 18:11	26°♑58'07	
conjunction	-9162 Mar 28 j 18:53	29°♑16'03	-2°21'39
minimum elong	-9162 Mar 28 j 18:55	29°♑16'04	2°22'11
max. Earth dist.	-9162 Mar 29 j 22:35	29°♑24'57	10.14539 AU
	-9162 Apr 03 j 11:52	0°♒	
morning rise	-9162 Apr 15 j 17:07	1°♒33'08	
retrograde	-9162 Jul 27 j 16:59	9°♒31'07	
min. Earth dist.	-9162 Oct 01 j 11:15	6°♒08'40	8.22359 AU
opposition	-9162 Oct 02 j 06:46	6°♒04'41	-2°49'58
direct	-9162 Dec 09 j 04:11	2°♒35'37	
evening set	-9161 Mar 25 j 09:45	10°♒39'56	
conjunction	-9161 Apr 12 j 08:18	12°♒54'42	-2°09'38
minimum elong	-9161 Apr 12 j 08:21	12°♒54'43	2°10'05
max. Earth dist.	-9161 Apr 13 j 08:34	13°♒02'21	10.30330 AU
	-9161 Apr 29 j 00:28	15°♒	
morning rise	-9161 Apr 30 j 03:20	15°♒08'17	
retrograde	-9161 Aug 09 j 21:01	22°♒50'56	
opposition	-9161 Oct 15 j 15:54	19°♒26'35	-2°30'14
min. Earth dist.	-9161 Oct 14 j 23:43	19°♒29'51	8.38642 AU
direct	-9161 Dec 23 j 07:15	15°♒58'21	
evening set	-9160 Apr 07 j 11:17	23°♒51'38	
conjunction	-9160 Apr 25 j 07:10	26°♒03'07	-1°51'06
minimum elong	-9160 Apr 25 j 07:14	26°♒03'08	1°51'29
max. Earth dist.	-9160 Apr 26 j 02:02	26°♒08'57	10.46972 AU
morning rise	-9160 May 12 j 22:50	28°♒13'13	
	-9160 May 28 j 01:12	0°♓	
retrograde	-9160 Aug 21 j 12:29	5°♓41'14	
opposition	-9160 Oct 27 j 15:19	2°♓18'58	-2°03'37
min. Earth dist.	-9160 Oct 27 j 02:50	2°♓21'26	8.55288 AU
	-9160 Nov 28 j 19:20	30°℞♒	
direct	-9159 Jan 05 j 01:03	28°♒51'46	
	-9159 Feb 11 j 04:21	0°♓	
evening set	-9159 Apr 20 j 22:36	6°♓33'52	
conjunction	-9159 May 08 j 15:28	8°♓42'07	-1°27'41
minimum elong	-9159 May 08 j 15:31	8°♓42'08	1°27'57
max. Earth dist.	-9159 May 09 j 04:28	8°♓46'04	10.63502 AU
morning rise	-9159 May 26 j 03:36	10°♓48'52	
retrograde	-9159 Sep 02 j 16:42	18°♓03'50	
opposition	-9159 Nov 09 j 05:41	14°♓43'30	-1°32'10
min. Earth dist.	-9159 Nov 08 j 20:51	14°♓45'13	8.71416 AU
direct	-9158 Jan 18 j 09:34	11°♓17'31	
evening set	-9158 May 03 j 21:01	18°♓48'59	
conjunction	-9158 May 21 j 10:34	20°♓54'10	-1°00'56
minimum elong	-9158 May 21 j 10:36	20°♓54'11	1°01'06
max. Earth dist.	-9158 May 21 j 18:14	20°♓56'28	10.79143 AU
morning rise	-9158 Jun 07 j 18:53	22°♓57'48	
	-9158 Sep 09 j 02:17	0°♈	
retrograde	-9158 Sep 14 j 14:35	0°♈01'37	
	-9158 Sep 20 j 02:43	30°℞♓	
opposition	-9158 Nov 21 j 12:09	26°♓42'59	-0°57'46
min. Earth dist.	-9158 Nov 21 j 07:14	26°♓43'56	8.86363 AU
direct	-9157 Jan 31 j 06:11	23°♓18'17	
	-9157 May 10 j 11:47	0°♈	
evening set	-9157 May 16 j 07:44	0°♈40'02	
conjunction	-9157 Jun 02 j 17:36	2°♈42'25	-0°32'19
minimum elong	-9157 Jun 02 j 17:37	2°♈42'25	0°32'21

Attention, astronomical year style is used: The year -9157 in astronomical counting style is the year 9158 BCE in historical counting style.

max. Earth dist.	-9157 Jun 02 j 20:35	2°♈43'18	10.93309 AU	
morning rise	-9157 Jun 19 j 21:54	4°♈43'13		
retrograde	-9157 Sep 26 j 04:29	11°♈37'55		
opposition	-9157 Dec 03 j 12:23	8°♈20'45	-0°22'04	
min. Earth dist.	-9157 Dec 03 j 12:11	8°♈20'47	8.99609 AU	
direct	-9156 Feb 12 j 17:37	4°♈57'15		
evening set	-9156 May 27 j 08:07	12°♈10'29		
conjunction	-9156 Jun 13 j 13:54	14°♈10'19	-0°03'09	
minimum elong	-9156 Jun 13 j 13:54	14°♈10'19	0°03'04	
behind sun begin	-9156 Jun 13 j 06:51	14°♈08'17		
behind sun end	-9156 Jun 13 j 20:57	14°♈12'20		
max. Earth dist.	-9156 Jun 13 j 11:22	14°♈09'37	11.05515 AU	
morning rise	-9156 Jun 30 j 14:19	16°♈08'39		
asc. node	-9156 Jul 23 j 19:06	18°♈40'03		
retrograde	-9156 Oct 06 j 12:44	22°♈56'26		
opposition	-9156 Dec 14 j 07:26	19°♈40'22	0°13'31	
min. Earth dist.	-9156 Dec 14 j 11:58	19°♈39'31	9.10710 AU	
direct	-9155 Feb 23 j 23:01	16°♈17'59		
evening set	-9155 Jun 07 j 23:59	23°♈24'07		
conjunction	-9155 Jun 25 j 01:33	25°♈21'44	0°25'40	
minimum elong	-9155 Jun 25 j 01:32	25°♈21'44	0°25'51	
max. Earth dist.	-9155 Jun 24 j 17:21	25°♈19'22	11.15364 AU	
morning rise	-9155 Jul 11 j 22:17	27°♈17'59		
	-9155 Aug 06 j 02:47	0°♉		
retrograde	-9155 Oct 17 j 16:35	4°♉01'00		
opposition	-9155 Dec 25 j 22:24	0°♉45'41	0°47'48	
min. Earth dist.	-9155 Dec 26 j 06:42	0°♉44'09	9.19297 AU	
	-9154 Jan 05 j 07:36	30°℞♈		
direct	-9154 Mar 07 j 21:10	27°♈24'18		
	-9154 May 06 j 04:31	0°♉		
evening set	-9154 Jun 19 j 08:52	4°♉24'52		
conjunction	-9154 Jul 06 j 06:25	6°♉20'39	0°52'58	
minimum elong	-9154 Jul 06 j 06:23	6°♉20'39	0°53'15	
max. Earth dist.	-9154 Jul 05 j 18:10	6°♉17'08	11.22540 AU	
morning rise	-9154 Jul 22 j 23:30	8°♉15'15		
retrograde	-9154 Oct 28 j 20:26	14°♉55'41		
opposition	-9153 Jan 06 j 11:14	11°♉40'45	1°19'49	
min. Earth dist.	-9153 Jan 06 j 22:34	11°♉38'40	9.25092 AU	
direct	-9153 Mar 19 j 14:50	8°♉20'15		
	-9153 Jun 28 j 00:26	15°♉		
evening set	-9153 Jun 30 j 12:29	15°♉16'47		
conjunction	-9153 Jul 17 j 06:12	17°♉11'10	1°18'03	
minimum elong	-9153 Jul 17 j 06:09	17°♉11'10	1°18'25	
max. Earth dist.	-9153 Jul 16 j 14:54	17°♉06'47	11.26820 AU	
morning rise	-9153 Aug 02 j 19:52	19°♉04'32		
retrograde	-9153 Nov 08 j 23:46	25°♉44'31		
opposition	-9152 Jan 17 j 23:18	22°♉29'39	1°48'42	
min. Earth dist.	-9152 Jan 18 j 14:03	22°♉26'58	9.27932 AU	
direct	-9152 Mar 30 j 02:25	19°♉09'50		
evening set	-9152 Jul 10 j 12:49	26°♉03'58		
max. Earth dist.	-9152 Jul 26 j 07:50	27°♉51'56	11.28099 AU	
conjunction	-9152 Jul 27 j 02:55	27°♉57'25	1°40'14	
minimum elong	-9152 Jul 27 j 02:52	27°♉57'24	1°40'40	
morning rise	-9152 Aug 12 j 13:50	29°♉50'04		
	-9152 Aug 14 j 01:14	0°♊		
retrograde	-9152 Nov 19 j 03:42	6°♊31'39		
opposition	-9151 Jan 28 j 11:47	3°♊16'32	2°13'41	
min. Earth dist.	-9151 Jan 29 j 06:00	3°♊13'13	9.27750 AU	
	-9151 Apr 02 j 19:38	30°℞♉		
direct	-9151 Apr 10 j 12:54	29°♉57'11		
	-9151 Apr 18 j 05:52	0°♊		
evening set	-9151 Jul 21 j 11:22	6°♊50'35		

conjunction	-9151 Aug 06 j 22:27	8°♊43'35	1°58'51	
minimum elong	-9151 Aug 06 j 22:24	8°♊43'34	1°59'22	
max. Earth dist.	-9151 Aug 06 j 00:13	8°♊37'11	11.26356 AU	
morning rise	-9151 Aug 23 j 07:21	10°♊36'03		
retrograde	-9151 Nov 30 j 11:53	17°♊21'15		
opposition	-9150 Feb 09 j 02:15	14°♊05'33	2°34'04	
min. Earth dist.	-9150 Feb 09 j 22:15	14°♊01'54	9.24539 AU	
direct	-9150 Apr 21 j 23:04	10°♊46'32		
evening set	-9150 Aug 01 j 09:50	17°♊40'44		
conjunction	-9150 Aug 17 j 18:47	19°♊33'51	2°13'20	
minimum elong	-9150 Aug 17 j 18:44	19°♊33'50	2°13'53	
max. Earth dist.	-9150 Aug 16 j 19:29	19°♊27'05	11.21629 AU	
morning rise	-9150 Sep 03 j 02:16	21°♊26'40		
retrograde	-9150 Dec 12 j 01:30	28°♊17'27		
opposition	-9149 Feb 20 j 20:10	25°♊00'53	2°49'10	
min. Earth dist.	-9149 Feb 21 j 16:50	24°♊57'06	9.18386 AU	
direct	-9149 May 03 j 09:20	21°♊42'02		
evening set	-9149 Aug 12 j 10:09	28°♊38'35		
	-9149 Aug 24 j 03:12	0°♋		
conjunction	-9149 Aug 28 j 17:51	0°♋32'23	2°23'06	
minimum elong	-9149 Aug 28 j 17:50	0°♋32'22	2°23'41	
max. Earth dist.	-9149 Aug 27 j 17:53	0°♋25'21	11.14061 AU	
morning rise	-9149 Sep 14 j 00:55	2°♋26'08		
retrograde	-9149 Dec 23 j 22:39	9°♋24'20		
opposition	-9148 Mar 03 j 18:56	6°♋06'39	2°58'17	
min. Earth dist.	-9148 Mar 04 j 16:16	6°♋02'44	9.09480 AU	
direct	-9148 May 13 j 21:01	2°♋47'47		
evening set	-9148 Aug 22 j 14:01	9°♋48'09		
conjunction	-9148 Sep 07 j 21:24	11°♋43'13	2°27'38	
minimum elong	-9148 Sep 07 j 21:23	11°♋43'13	2°28'12	
max. Earth dist.	-9148 Sep 06 j 20:18	11°♋35'47	11.03890 AU	
morning rise	-9148 Sep 24 j 05:21	13°♋38'34		
retrograde	-9147 Jan 04 j 01:34	20°♋45'54		
opposition	-9147 Mar 15 j 23:47	17°♋26'50	3°00'47	
min. Earth dist.	-9147 Mar 16 j 21:34	17°♋22'49	8.98097 AU	
direct	-9147 May 25 j 11:48	14°♋07'44		
evening set	-9147 Sep 02 j 23:15	21°♋13'25		
max. Earth dist.	-9147 Sep 18 j 07:00	23°♋03'00	10.91438 AU	
conjunction	-9147 Sep 19 j 07:31	23°♋10'21	2°26'25	
minimum elong	-9147 Sep 19 j 07:32	23°♋10'22	2°26'57	
morning rise	-9147 Oct 05 j 17:28	25°♋07'52		
	-9147 Nov 21 j 19:59	0°♌		
retrograde	-9146 Jan 16 j 15:15	2°♌25'56		
	-9146 Mar 16 j 02:33	30°℞♋		
opposition	-9146 Mar 28 j 11:43	29°♋05'17	2°56'02	
min. Earth dist.	-9146 Mar 29 j 08:26	29°♋01'25	8.84621 AU	
direct	-9146 Jun 06 j 10:37	25°♋45'45		
	-9146 Aug 19 j 07:03	0°♌		
evening set	-9146 Sep 14 j 15:36	2°♌58'04		
max. Earth dist.	-9146 Sep 30 j 04:13	4°♌50'48	10.77146 AU	
conjunction	-9146 Oct 01 j 02:08	4°♌57'30	2°19'04	
minimum elong	-9146 Oct 01 j 02:11	4°♌57'31	2°19'34	
morning rise	-9146 Oct 17 j 15:10	6°♌57'48		
retrograde	-9145 Jan 29 j 16:03	14°♌27'54		
opposition	-9145 Apr 10 j 07:55	11°♌05'29	2°43'35	
min. Earth dist.	-9145 Apr 11 j 01:52	11°♌02'06	8.69560 AU	
direct	-9145 Jun 18 j 14:09	7°♌45'22		
	-9145 Sep 25 j 22:48	15°♌		
evening set	-9145 Sep 26 j 16:56	15°♌05'29		
max. Earth dist.	-9145 Oct 12 j 11:57	17°♌02'05	10.61571 AU	
conjunction	-9145 Oct 13 j 06:55	17°♌07'58	2°05'21	

Attention, astronomical year style is used: The year -9145 in astronomical counting style is the year 9146 BCE in historical counting style.

minimum elong	-9145 Oct 13 j 06:59	17°♌07'59	2°05'47
morning rise	-9145 Oct 30 j 00:17	19°♌11'37	
retrograde	-9144 Feb 12 j 03:45	26°♌54'44	
opposition	-9144 Apr 22 j 13:00	23°♌30'26	2°23'09
min. Earth dist.	-9144 Apr 23 j 03:32	23°♌27'39	8.53530 AU
direct	-9144 Jun 30 j 01:26	20°♌09'32	
evening set	-9144 Oct 08 j 05:16	27°♌38'34	
conjunction	-9144 Oct 24 j 23:38	29°♌44'33	1°45'16
minimum elong	-9144 Oct 24 j 23:42	29°♌44'35	1°45'37
max. Earth dist.	-9144 Oct 24 j 07:47	29°♌39'33	10.45382 AU
	-9144 Oct 27 j 00:37	0°♍	
morning rise	-9144 Nov 10 j 22:24	1°♍52'00	
retrograde	-9143 Feb 25 j 03:01	9°♍48'32	
opposition	-9143 May 06 j 03:10	6°♍22'22	1°54'51
min. Earth dist.	-9143 May 06 j 14:11	6°♍20'14	8.37260 AU
direct	-9143 Jul 12 j 22:14	3°♍00'31	
evening set	-9143 Oct 21 j 05:52	10°♍39'16	
conjunction	-9143 Nov 07 j 05:29	12°♍49'04	1°19'12
minimum elong	-9143 Nov 07 j 05:33	12°♍49'05	1°19'26
max. Earth dist.	-9143 Nov 06 j 17:50	12°♍45'20	10.29343 AU
morning rise	-9143 Nov 24 j 10:23	15°♍00'35	
retrograde	-9142 Mar 11 j 13:17	23°♍10'25	
opposition	-9142 May 20 j 02:36	19°♍42'25	1°19'20
min. Earth dist.	-9142 May 20 j 09:35	19°♍41'03	8.21563 AU
direct	-9142 Jul 26 j 04:42	16°♍19'27	
evening set	-9142 Nov 03 j 19:49	24°♍08'23	
conjunction	-9142 Nov 21 j 01:18	26°♍22'06	0°47'59
minimum elong	-9142 Nov 21 j 01:21	26°♍22'07	0°48'06
max. Earth dist.	-9142 Nov 20 j 19:16	26°♍20'08	10.14268 AU
morning rise	-9142 Dec 08 j 12:31	28°♍37'41	
	-9142 Dec 19 j 11:00	0°♎	
retrograde	-9141 Mar 26 j 08:52	6°♎59'55	
opposition	-9141 Jun 03 j 10:29	3°♎30'14	0°37'58
min. Earth dist.	-9141 Jun 03 j 12:56	3°♎29'44	8.07257 AU
direct	-9141 Aug 08 j 22:22	0°♎06'02	
evening set	-9141 Nov 18 j 00:06	8°♎05'16	
conjunction	-9141 Dec 05 j 11:32	10°♎22'44	0°13'05
minimum elong	-9141 Dec 05 j 11:33	10°♎22'44	0°13'03
behind sun begin	-9141 Dec 05 j 07:13	10°♎21'19	
behind sun end	-9141 Dec 05 j 15:52	10°♎24'09	
max. Earth dist.	-9141 Dec 05 j 11:49	10°♎22'49	10.00942 AU
morning rise	-9141 Dec 23 j 04:42	12°♎42'05	
retrograde	-9140 Apr 09 j 12:39	21°♎14'56	
desc. node	-9140 Apr 19 j 22:28	21°♎09'08	
opposition	-9140 Jun 17 j 01:25	17°♎43'52	-0°07'06
min. Earth dist.	-9140 Jun 16 j 22:49	17°♎44'24	7.95122 AU
direct	-9140 Aug 22 j 02:01	14°♎18'26	
evening set	-9140 Dec 01 j 18:20	22°♎27'37	
conjunction	-9140 Dec 19 j 11:12	24°♎48'21	-0°23'35
minimum elong	-9140 Dec 19 j 11:11	24°♎48'21	0°23'45
max. Earth dist.	-9140 Dec 19 j 17:56	24°♎50'35	9.90151 AU
morning rise	-9139 Jan 06 j 09:26	27°♎10'52	
	-9139 Jan 28 j 20:26	0°♏	
retrograde	-9139 Apr 24 j 22:24	5°♏51'47	
opposition	-9139 Jul 01 j 22:06	2°♏19'44	-0°52'56
min. Earth dist.	-9139 Jul 01 j 14:13	2°♏21'22	7.85967 AU
	-9139 Aug 01 j 20:32	30°℞♎	
direct	-9139 Sep 05 j 14:10	28°♎53'07	
	-9139 Oct 09 j 17:29	0°♏	
evening set	-9139 Dec 17 j 01:03	7°♏11'02	
conjunction	-9138 Jan 03 j 22:23	9°♏34'13	-0°59'23
minimum elong	-9138 Jan 03 j 22:20	9°♏34'12	0°59'41
max. Earth dist.	-9138 Jan 04 j 11:41	9°♏38'41	9.82730 AU
morning rise	-9138 Jan 22 j 00:24	11°♏58'57	
	-9138 Feb 14 j 23:27	15°♏	
retrograde	-9138 May 10 j 10:58	20°♏44'15	
opposition	-9138 Jul 16 j 22:06	17°♏11'41	-1°36'07
min. Earth dist.	-9138 Jul 16 j 09:21	17°♏14'21	7.80575 AU
	-9138 Aug 14 j 09:30	15°℞♏	
direct	-9138 Sep 20 j 09:24	13°♏43'55	
	-9138 Oct 26 j 21:06	15°♏	
evening set	-9137 Jan 01 j 17:42	22°♏08'27	
conjunction	-9137 Jan 19 j 18:14	24°♏33'00	-1°31'39
minimum elong	-9137 Jan 19 j 18:10	24°♏32'59	1°32'04
max. Earth dist.	-9137 Jan 20 j 13:26	24°♏39'28	9.79356 AU
morning rise	-9137 Feb 06 j 22:29	26°♏58'45	
	-9137 Mar 02 j 21:02	0°♐	
retrograde	-9137 May 25 j 22:30	5°♐43'57	
opposition	-9137 Jul 31 j 22:22	2°♐11'23	-2°13'05
min. Earth dist.	-9137 Jul 31 j 05:49	2°♐14'52	7.79437 AU
	-9137 Aug 29 j 03:32	30°℞♏	
direct	-9137 Oct 05 j 10:34	28°♏42'35	
	-9137 Nov 11 j 08:55	0°♐	
evening set	-9136 Jan 17 j 15:55	7°♐10'46	
conjunction	-9136 Feb 04 j 18:17	9°♐35'30	-1°57'49
minimum elong	-9136 Feb 04 j 18:13	9°♐35'29	1°58'19
max. Earth dist.	-9136 Feb 05 j 17:56	9°♐43'26	9.80351 AU
morning rise	-9136 Feb 22 j 23:08	12°♐00'59	
retrograde	-9136 Jun 09 j 04:32	20°♐41'27	
opposition	-9136 Aug 14 j 20:09	17°♐09'25	-2°40'52
min. Earth dist.	-9136 Aug 14 j 01:15	17°♐13'24	7.82665 AU
direct	-9136 Oct 19 j 14:41	13°♐39'50	
evening set	-9135 Feb 01 j 14:25	22°♐08'08	
conjunction	-9135 Feb 19 j 17:20	24°♐31'54	-2°15'54
minimum elong	-9135 Feb 19 j 17:17	24°♐31'54	2°16'27
max. Earth dist.	-9135 Feb 20 j 19:44	24°♐40'42	9.85656 AU
morning rise	-9135 Mar 09 j 21:23	26°♐55'57	
	-9135 Apr 03 j 12:48	0°♑	
retrograde	-9135 Jun 24 j 01:37	5°♑27'29	
opposition	-9135 Aug 29 j 12:30	1°♑56'29	-2°57'31
min. Earth dist.	-9135 Aug 28 j 16:28	2°♑00'41	7.90007 AU
	-9135 Sep 23 j 02:04	30°℞♐	
direct	-9135 Nov 03 j 18:29	28°♐26'26	
	-9135 Dec 15 j 03:06	0°♑	
evening set	-9134 Feb 17 j 08:26	6°♑51'17	
conjunction	-9134 Mar 07 j 10:55	9°♑13'10	-2°24'51
minimum elong	-9134 Mar 07 j 10:55	9°♑13'10	2°25'25
max. Earth dist.	-9134 Mar 08 j 14:11	9°♑22'07	9.94863 AU
morning rise	-9134 Mar 25 j 13:11	11°♑34'50	
retrograde	-9134 Jul 08 j 10:50	19°♑54'05	
opposition	-9134 Sep 12 j 21:02	16°♑24'33	-3°02'23
min. Earth dist.	-9134 Sep 12 j 00:57	16°♑28'44	8.00897 AU
direct	-9134 Nov 18 j 18:36	12°♑54'24	
evening set	-9133 Mar 04 j 17:38	21°♑12'38	
conjunction	-9133 Mar 22 j 18:58	23°♑31'56	-2°24'35
minimum elong	-9133 Mar 22 j 19:00	23°♑31'57	2°25'07
max. Earth dist.	-9133 Mar 23 j 21:18	23°♑40'27	10.07275 AU
morning rise	-9133 Apr 09 j 18:43	25°♑50'35	
	-9133 May 15 j 05:53	0°♒	
retrograde	-9133 Jul 22 j 07:17	3°♒55'27	
opposition	-9133 Sep 26 j 20:28	0°♒27'42	-2°56'01
min. Earth dist.	-9133 Sep 26 j 01:09	0°♒31'41	8.14542 AU
	-9133 Oct 02 j 11:16	30°℞♑	

Attention, astronomical year style is used: The year -9133 in astronomical counting style is the year 9134 BCE in historical counting style.

direct	-9133 Dec 03 j 11:19	26°♑57'50	
	-9132 Feb 01 j 19:19	0°♒	
evening set	-9132 Mar 18 j 14:50	5°♒06'59	
conjunction	-9132 Apr 05 j 14:22	7°♒23'17	-2°15'49
minimum elong	-9132 Apr 05 j 14:25	7°♒23'18	2°16'19
max. Earth dist.	-9132 Apr 06 j 14:29	7°♒30'57	10.22022 AU
morning rise	-9132 Apr 23 j 11:03	9°♒38'33	
	-9132 Jun 11 j 11:26	15°♒	
retrograde	-9132 Aug 03 j 16:23	17°♒28'13	
	-9132 Sep 27 j 10:48	15°℞♒	
opposition	-9132 Oct 09 j 09:58	14°♒02'24	-2°39'54
min. Earth dist.	-9132 Oct 08 j 16:07	14°♒06'01	8.30046 AU
direct	-9132 Dec 16 j 18:53	10°♒33'11	
	-9131 Mar 02 j 05:41	15°♒	
evening set	-9131 Apr 01 j 22:22	18°♒31'43	
conjunction	-9131 Apr 19 j 19:40	20°♒44'48	-1°59'53
minimum elong	-9131 Apr 19 j 19:44	20°♒44'49	2°00'18
max. Earth dist.	-9131 Apr 20 j 16:48	20°♒51'24	10.38181 AU
morning rise	-9131 May 07 j 12:57	22°♒56'34	
	-9131 Jul 23 j 15:12	0°♓	
retrograde	-9131 Aug 16 j 13:36	0°♓31'15	
	-9131 Sep 09 j 14:48	30°℞♒	
opposition	-9131 Oct 22 j 13:27	27°♒07'27	-2°15'58
min. Earth dist.	-9131 Oct 21 j 22:29	27°♒10'27	8.46502 AU
direct	-9131 Dec 30 j 16:17	23°♒39'11	
	-9130 Apr 03 j 09:59	0°♓	
evening set	-9130 Apr 15 j 15:51	1°♓26'29	
conjunction	-9130 May 03 j 10:23	3°♓36'18	-1°38'21
minimum elong	-9130 May 03 j 10:27	3°♓36'19	1°38'40
max. Earth dist.	-9130 May 04 j 03:21	3°♓41'30	10.54840 AU
morning rise	-9130 May 21 j 00:05	5°♓44'38	
retrograde	-9130 Aug 28 j 23:20	13°♓05'25	
opposition	-9130 Nov 04 j 07:40	9°♓43'39	-1°46'18
min. Earth dist.	-9130 Nov 03 j 20:41	9°♓45'49	8.63042 AU
direct	-9129 Jan 13 j 03:47	6°♓16'32	
evening set	-9129 Apr 28 j 19:50	13°♓52'47	
conjunction	-9129 May 16 j 11:00	15°♓59'24	-1°12'49
minimum elong	-9129 May 16 j 11:03	15°♓59'25	1°13'02
max. Earth dist.	-9129 May 16 j 22:30	16°♓02'52	10.71164 AU
morning rise	-9129 Jun 02 j 20:58	18°♓04'27	
retrograde	-9129 Sep 09 j 23:32	25°♓13'01	
opposition	-9129 Nov 16 j 17:26	21°♓53'09	-1°12'55
min. Earth dist.	-9129 Nov 16 j 10:48	21°♓54'26	8.78900 AU
direct	-9128 Jan 26 j 04:50	18°♓27'20	
evening set	-9128 May 10 j 11:17	25°♓53'15	
conjunction	-9128 May 27 j 22:43	27°♓56'52	-0°44'50
minimum elong	-9128 May 27 j 22:45	27°♓56'53	0°44'56
max. Earth dist.	-9128 May 28 j 04:11	27°♓58'30	10.86443 AU
morning rise	-9128 Jun 14 j 04:56	29°♓58'56	
	-9128 Jun 14 j 08:38	0°♈	
retrograde	-9128 Sep 20 j 14:35	6°♈57'18	
opposition	-9128 Nov 27 j 19:55	3°♈39'06	-0°37'34
min. Earth dist.	-9128 Nov 27 j 16:55	3°♈39'40	8.93419 AU
direct	-9127 Feb 06 j 21:27	0°♈14'41	
evening set	-9127 May 22 j 15:30	7°♈31'21	
conjunction	-9127 Jun 08 j 23:05	9°♈32'15	-0°15'44
minimum elong	-9127 Jun 08 j 23:06	9°♈32'15	0°15'42
behind sun begin	-9127 Jun 08 j 21:39	9°♈31'50	
behind sun end	-9127 Jun 09 j 00:33	9°♈32'40	
max. Earth dist.	-9127 Jun 08 j 23:33	9°♈32'23	11.00071 AU
morning rise	-9127 Jun 26 j 01:24	11°♈31'38	
retrograde	-9127 Oct 02 j 01:55	18°♈22'00	
opposition	-9127 Dec 09 j 16:29	15°♈05'13	-0°01'46
min. Earth dist.	-9127 Dec 09 j 17:07	15°♈05'06	9.06031 AU
asc. node	-9127 Dec 28 j 05:17	13°♈44'01	
direct	-9126 Feb 19 j 05:43	11°♈42'12	
evening set	-9126 Jun 03 j 10:32	18°♈51'01	
conjunction	-9126 Jun 20 j 14:06	20°♈49'31	0°13'23
minimum elong	-9126 Jun 20 j 14:05	20°♈49'31	0°13'32
behind sun begin	-9126 Jun 20 j 10:09	20°♈48'23	
behind sun end	-9126 Jun 20 j 18:02	20°♈50'39	
max. Earth dist.	-9126 Jun 20 j 10:21	20°♈48'27	11.11534 AU
morning rise	-9126 Jul 07 j 12:23	22°♈46'34	
retrograde	-9126 Oct 13 j 07:57	29°♈31'07	
opposition	-9126 Dec 21 j 08:42	26°♈15'29	0°33'13
min. Earth dist.	-9126 Dec 21 j 13:40	26°♈14'33	9.16295 AU
direct	-9125 Mar 03 j 04:08	22°♈53'45	
evening set	-9125 Jun 14 j 22:03	29°♈56'15	
	-9125 Jun 15 j 11:22	0°♉	
conjunction	-9125 Jul 01 j 21:24	1°♉52'43	0°41'24
minimum elong	-9125 Jul 01 j 21:22	1°♉52'42	0°41'39
max. Earth dist.	-9125 Jul 01 j 12:53	1°♉50'16	11.20450 AU
morning rise	-9125 Jul 18 j 15:55	3°♉47'53	
retrograde	-9125 Oct 24 j 11:11	10°♉28'50	
opposition	-9124 Jan 01 j 22:12	7°♉13'59	1°06'18
min. Earth dist.	-9124 Jan 02 j 07:45	7°♉12'13	9.23883 AU
direct	-9124 Mar 13 j 23:00	3°♉53'22	
evening set	-9124 Jun 25 j 03:34	10°♉51'07	
conjunction	-9124 Jul 11 j 22:47	12°♉45'56	1°07'32
minimum elong	-9124 Jul 11 j 22:44	12°♉45'55	1°07'52
max. Earth dist.	-9124 Jul 11 j 09:11	12°♉42'02	11.26546 AU
morning rise	-9124 Jul 28 j 13:58	14°♉39'40	
	-9124 Jul 31 j 14:43	15°♉	
retrograde	-9124 Nov 03 j 13:35	21°♉19'11	
opposition	-9123 Jan 12 j 10:06	18°♉04'43	1°36'37
min. Earth dist.	-9123 Jan 12 j 23:00	18°♉02'21	9.28542 AU
	-9123 Mar 07 j 13:34	15°℞♉	
direct	-9123 Mar 25 j 13:07	14°♉45'03	
	-9123 Apr 12 j 10:13	15°♉	
evening set	-9123 Jul 06 j 04:59	21°♉39'38	
conjunction	-9123 Jul 22 j 20:32	23°♉33'16	1°31'02
minimum elong	-9123 Jul 22 j 20:29	23°♉33'16	1°31'27
max. Earth dist.	-9123 Jul 22 j 03:37	23°♉28'25	11.29618 AU
morning rise	-9123 Aug 08 j 08:38	25°♉26'02	
	-9123 Sep 23 j 22:42	0°♊	
retrograde	-9123 Nov 14 j 17:30	2°♊06'10	
	-9122 Jan 07 j 21:36	30°℞♉	
opposition	-9122 Jan 23 j 21:44	28°♉51'43	2°03'21
min. Earth dist.	-9122 Jan 24 j 13:11	28°♉48'54	9.30101 AU
direct	-9122 Apr 06 j 00:56	25°♉32'46	
	-9122 Jun 24 j 11:21	0°♊	
evening set	-9122 Jul 17 j 03:57	2°♊25'47	
conjunction	-9122 Aug 02 j 16:20	4°♊18'44	1°51'16
minimum elong	-9122 Aug 02 j 16:17	4°♊18'43	1°51'44
max. Earth dist.	-9122 Aug 01 j 20:56	4°♊13'10	11.29545 AU
morning rise	-9122 Aug 19 j 01:49	6°♊11'00	
retrograde	-9122 Nov 26 j 01:06	12°♊53'47	
opposition	-9121 Feb 04 j 11:02	9°♊38'59	2°25'46
min. Earth dist.	-9121 Feb 05 j 05:21	9°♊35'40	9.28478 AU
direct	-9121 Apr 17 j 09:54	6°♊20'31	
evening set	-9121 Jul 28 j 02:06	13°♊13'31	
conjunction	-9121 Aug 13 j 11:48	15°♊06'18	2°07'35

Attention, astronomical year style is used: The year -9121 in astronomical counting style is the year 9122 BCE in historical counting style.

minimum elong	-9121 Aug 13 j 11:46	15°♊06'18	2°08'07
max. Earth dist.	-9121 Aug 12 j 13:02	14°♊59'44	11.26289 AU
morning rise	-9121 Aug 29 j 19:38	16°♊58'41	
retrograde	-9121 Dec 07 j 10:09	23°♊46'06	
opposition	-9120 Feb 16 j 03:07	20°♊30'35	2°43'12
min. Earth dist.	-9120 Feb 17 j 00:18	20°♊26'44	9.23668 AU
direct	-9120 Apr 27 j 18:12	17°♊12'18	
evening set	-9120 Aug 07 j 01:17	24°♊06'59	
max. Earth dist.	-9120 Aug 22 j 07:56	25°♊52'50	11.19894 AU
conjunction	-9120 Aug 23 j 09:11	26°♊00'11	2°19'27
minimum elong	-9120 Aug 23 j 09:10	26°♊00'10	2°20'01
morning rise	-9120 Sep 08 j 16:21	27°♊53'14	
	-9120 Sep 27 j 22:07	0°♋	
retrograde	-9120 Dec 18 j 03:01	4°♋47'15	
opposition	-9119 Feb 26 j 23:05	1°♋30'41	2°54'59
min. Earth dist.	-9119 Feb 27 j 21:48	1°♋26'33	9.15771 AU
	-9119 Mar 20 j 11:20	30°℞♊	
direct	-9119 May 09 j 06:36	28°♊12'22	
	-9119 Jun 26 j 03:39	0°♋	
evening set	-9119 Aug 18 j 03:07	5°♋10'19	
max. Earth dist.	-9119 Sep 02 j 08:54	6°♋57'02	11.10549 AU
conjunction	-9119 Sep 03 j 10:26	7°♋04'33	2°26'18
minimum elong	-9119 Sep 03 j 10:25	7°♋04'33	2°26'53
morning rise	-9119 Sep 19 j 17:46	8°♋58'55	
retrograde	-9119 Dec 30 j 03:10	16°♋01'24	
opposition	-9118 Mar 11 j 00:43	12°♋43'27	3°00'27
min. Earth dist.	-9118 Mar 11 j 23:07	12°♋39'20	9.05059 AU
direct	-9118 May 20 j 20:16	9°♋24'53	
evening set	-9118 Aug 29 j 09:26	16°♋27'33	
conjunction	-9118 Sep 14 j 17:12	18°♋23'26	2°27'40
minimum elong	-9118 Sep 14 j 17:13	18°♋23'26	2°28'13
max. Earth dist.	-9118 Sep 13 j 15:54	18°♋15'53	10.98603 AU
morning rise	-9118 Oct 01 j 01:52	20°♋19'44	
retrograde	-9117 Jan 11 j 13:11	27°♋32'22	
opposition	-9117 Mar 23 j 09:14	24°♋12'45	2°58'59
min. Earth dist.	-9117 Mar 24 j 06:57	24°♋08'43	8.91948 AU
direct	-9117 Jun 01 j 14:53	20°♋53'40	
evening set	-9117 Sep 09 j 22:15	28°♋02'27	
max. Earth dist.	-9117 Sep 25 j 06:37	29°♋53'03	10.84525 AU
conjunction	-9117 Sep 26 j 07:34	0°♌00'36	2°23'04
minimum elong	-9117 Sep 26 j 07:36	0°♌00'36	2°23'36
	-9117 Sep 26 j 05:36	0°♌	
morning rise	-9117 Oct 12 j 19:00	1°♌59'29	
retrograde	-9116 Jan 24 j 07:58	9°♌23'39	
opposition	-9116 Apr 04 j 01:26	6°♌02'09	2°50'02
min. Earth dist.	-9116 Apr 04 j 22:07	5°♌58'16	8.76951 AU
direct	-9116 Jun 12 j 14:29	2°♌42'18	
evening set	-9116 Sep 20 j 19:09	9°♌58'31	
max. Earth dist.	-9116 Oct 06 j 08:13	11°♌52'24	10.68862 AU
conjunction	-9116 Oct 07 j 07:19	11°♌59'31	2°12'13
minimum elong	-9116 Oct 07 j 07:22	11°♌59'32	2°12'41
morning rise	-9116 Oct 23 j 22:44	14°♌01'34	
	-9116 Nov 01 j 03:05	15°♌	
retrograde	-9115 Feb 05 j 12:48	21°♌38'28	
opposition	-9115 Apr 17 j 02:14	18°♌14'55	2°33'12
min. Earth dist.	-9115 Apr 17 j 20:45	18°♌11'23	8.60666 AU
	-9115 Jun 14 j 09:06	15°℞♌	
direct	-9115 Jun 24 j 23:18	14°♌54'07	
	-9115 Jul 05 j 12:05	15°♌	
evening set	-9115 Oct 03 j 01:55	22°♌18'57	
conjunction	-9115 Oct 19 j 18:11	24°♌23'19	1°54'58
minimum elong	-9115 Oct 19 j 18:15	24°♌23'20	1°55'22
max. Earth dist.	-9115 Oct 18 j 23:08	24°♌17'21	10.52250 AU
morning rise	-9115 Nov 05 j 14:28	26°♌29'01	
	-9115 Dec 06 j 05:05	0°♍	
retrograde	-9114 Feb 19 j 06:07	4°♍19'28	
opposition	-9114 Apr 30 j 12:09	0°♍53'48	2°08'25
min. Earth dist.	-9114 May 01 j 02:41	0°♍50'59	8.43804 AU
	-9114 May 12 j 05:10	30°℞♌	
direct	-9114 Jul 07 j 16:53	27°♌31'56	
	-9114 Aug 30 j 05:01	0°♍	
evening set	-9114 Oct 15 j 20:29	5°♍06'19	
conjunction	-9114 Nov 01 j 17:50	7°♍14'29	1°31'31
minimum elong	-9114 Nov 01 j 17:53	7°♍14'30	1°31'49
max. Earth dist.	-9114 Nov 01 j 03:40	7°♍09'58	10.35449 AU
morning rise	-9114 Nov 18 j 19:50	9°♍24'14	
retrograde	-9113 Mar 05 j 12:15	17°♍28'25	
opposition	-9113 May 14 j 07:23	14°♍00'41	1°36'01
min. Earth dist.	-9113 May 14 j 17:00	13°♍58'47	8.27179 AU
direct	-9113 Jul 20 j 18:08	10°♍37'39	
evening set	-9113 Oct 29 j 04:18	18°♍22'20	
conjunction	-9113 Nov 15 j 07:19	20°♍34'29	1°02'28
minimum elong	-9113 Nov 15 j 07:22	20°♍34'30	1°02'38
max. Earth dist.	-9113 Nov 14 j 22:25	20°♍31'36	10.19301 AU
morning rise	-9113 Dec 02 j 15:38	22°♍48'26	
	-9112 Feb 12 j 08:11	0°♎	
retrograde	-9112 Mar 19 j 04:24	1°♎05'51	
	-9112 Apr 24 j 09:28	30°℞♍	
opposition	-9112 May 27 j 11:39	27°♍36'14	0°57'02
min. Earth dist.	-9112 May 27 j 16:03	27°♍35'21	8.11668 AU
direct	-9112 Aug 02 j 06:13	24°♍11'58	
	-9112 Oct 25 j 02:27	0°♎	
evening set	-9112 Nov 11 j 02:23	2°♎07'17	
conjunction	-9112 Nov 28 j 11:13	4°♎23'21	0°28'58
minimum elong	-9112 Nov 28 j 11:14	4°♎23'21	0°28'59
max. Earth dist.	-9112 Nov 28 j 07:52	4°♎22'15	10.04696 AU
morning rise	-9112 Dec 16 j 01:49	6°♎41'19	
retrograde	-9111 Apr 03 j 05:37	15°♎10'33	
opposition	-9111 Jun 10 j 24:00	11°♎39'22	0°13'14
min. Earth dist.	-9111 Jun 10 j 23:19	11°♎39'30	7.98188 AU
direct	-9111 Aug 16 j 04:58	8°♎13'51	
desc. node	-9111 Sep 28 j 14:45	9°♎58'49	
evening set	-9111 Nov 25 j 14:46	16°♎19'32	
conjunction	-9111 Dec 13 j 05:14	18°♎39'10	-0°07'18
minimum elong	-9111 Dec 13 j 05:13	18°♎39'09	0°07'25
behind sun begin	-9111 Dec 12 j 22:35	18°♎36'58	
behind sun end	-9111 Dec 13 j 11:51	18°♎41'20	
max. Earth dist.	-9111 Dec 13 j 08:18	18°♎40'09	9.92547 AU
morning rise	-9111 Dec 31 j 01:30	21°♎00'40	
retrograde	-9110 Apr 18 j 13:51	29°♎39'19	
opposition	-9110 Jun 25 j 18:58	26°♎06'58	-0°32'45
min. Earth dist.	-9110 Jun 25 j 13:20	26°♎08'08	7.87626 AU
direct	-9110 Aug 30 j 13:34	22°♎40'12	
	-9110 Dec 03 j 14:25	0°♏	
evening set	-9110 Dec 10 j 16:30	0°♏55'16	
conjunction	-9110 Dec 28 j 11:57	3°♏17'44	-0°43'49
minimum elong	-9110 Dec 28 j 11:54	3°♏17'43	0°44'03
max. Earth dist.	-9110 Dec 28 j 21:54	3°♏21'04	9.83680 AU
morning rise	-9109 Jan 15 j 12:45	5°♏41'55	
retrograde	-9109 May 04 j 01:58	14°♏26'35	
opposition	-9109 Jul 10 j 18:17	10°♏53'33	-1°17'37
min. Earth dist.	-9109 Jul 10 j 07:47	10°♏55'45	7.80724 AU
direct	-9109 Sep 14 j 06:46	7°♏25'39	

Attention, astronomical year style is used: The year -9109 in astronomical counting style is the year 9110 BCE in historical counting style.

	-9109 Dec 20 j 01:47	15°♏		
evening set	-9109 Dec 26 j 05:34	15°♏48'19		
conjunction	-9108 Jan 13 j 04:50	18°♏12'36	-1°18'01	
minimum elong	-9108 Jan 13 j 04:46	18°♏12'35	1°18'23	
max. Earth dist.	-9108 Jan 13 j 21:21	18°♏18'10	9.78746 AU	
morning rise	-9108 Jan 31 j 08:31	20°♏38'18		
retrograde	-9108 May 18 j 14:18	29°♏24'46		
opposition	-9108 Jul 24 j 19:04	25°♏51'38	-1°57'47	
min. Earth dist.	-9108 Jul 24 j 04:09	25°♏54'46	7.78003 AU	
direct	-9108 Sep 28 j 07:01	22°♏22'47		
	-9107 Jan 03 j 15:51	0°♐		
evening set	-9107 Jan 10 j 02:01	0°♐50'22		
conjunction	-9107 Jan 28 j 03:47	3°♐15'19	-1°47'10	
minimum elong	-9107 Jan 28 j 03:42	3°♐15'18	1°47'39	
max. Earth dist.	-9107 Jan 29 j 02:07	3°♐22'51	9.78155 AU	
morning rise	-9107 Feb 15 j 08:41	5°♐41'15		
retrograde	-9107 Jun 02 j 22:49	14°♐24'57		
opposition	-9107 Aug 08 j 18:36	10°♐52'16	-2°29'57	
min. Earth dist.	-9107 Aug 07 j 23:53	10°♐56'13	7.79692 AU	
direct	-9107 Oct 13 j 10:48	7°♐22'44		
evening set	-9106 Jan 26 j 01:07	15°♐51'53		
conjunction	-9106 Feb 13 j 04:05	18°♐16'21	-2°09'00	
minimum elong	-9106 Feb 13 j 04:01	18°♐16'20	2°09'33	
max. Earth dist.	-9106 Feb 14 j 06:55	18°♐25'19	9.81983 AU	
morning rise	-9106 Mar 03 j 08:43	20°♐41'17		
retrograde	-9106 Jun 18 j 00:13	29°♐17'46		
opposition	-9106 Aug 23 j 13:53	25°♐46'05	-2°51'38	
min. Earth dist.	-9106 Aug 22 j 16:38	25°♐50'33	7.85672 AU	
direct	-9106 Oct 28 j 14:57	22°♐16'10		
	-9105 Feb 05 j 07:29	0°♑		
evening set	-9105 Feb 10 j 22:08	0°♑43'20		
conjunction	-9105 Mar 01 j 01:09	3°♑06'16	-2°22'02	
minimum elong	-9105 Mar 01 j 01:07	3°♑06'15	2°22'36	
max. Earth dist.	-9105 Mar 02 j 06:23	3°♑15'56	9.89952 AU	
morning rise	-9105 Mar 19 j 04:16	5°♑29'10		
retrograde	-9105 Jul 02 j 15:40	13°♑54'36		
min. Earth dist.	-9105 Sep 06 j 04:20	10°♑29'01	7.95502 AU	
opposition	-9105 Sep 07 j 02:22	10°♑24'25	-3°01'37	
direct	-9105 Nov 12 j 16:02	6°♑54'27		
evening set	-9104 Feb 26 j 12:12	15°♑16'15		
conjunction	-9104 Mar 15 j 14:16	17°♑36'50	-2°25'43	
minimum elong	-9104 Mar 15 j 14:17	17°♑36'50	2°26'17	
max. Earth dist.	-9104 Mar 16 j 19:44	17°♑46'26	10.01485 AU	
morning rise	-9104 Apr 02 j 15:04	19°♑56'54		
retrograde	-9104 Jul 15 j 19:41	28°♑08'37		
min. Earth dist.	-9104 Sep 19 j 09:11	24°♑44'42	8.08486 AU	
opposition	-9104 Sep 20 j 06:26	24°♑40'18	-2°59'58	
direct	-9104 Nov 26 j 11:05	21°♑10'38		
evening set	-9103 Mar 12 j 15:19	29°♑24'10		
	-9103 Mar 17 j 08:49	0°♒		
conjunction	-9103 Mar 30 j 15:46	1°♒41'52	-2°20'30	
minimum elong	-9103 Mar 30 j 15:48	1°♒41'52	2°21'01	
max. Earth dist.	-9103 Mar 31 j 19:22	1°♒50'42	10.15775 AU	
morning rise	-9103 Apr 17 j 13:44	3°♒58'38		
retrograde	-9103 Jul 29 j 11:18	11°♒55'12		
min. Earth dist.	-9103 Oct 03 j 05:41	8°♒32'50	8.23747 AU	
opposition	-9103 Oct 04 j 00:47	8°♒28'56	-2°47'49	
direct	-9103 Dec 10 j 23:23	4°♒59'54		
evening set	-9102 Mar 27 j 05:32	13°♒03'14		
	-9102 Apr 11 j 19:31	15°♒		

conjunction	-9102 Apr 14 j 03:47	15°♒17'42	-2°07'28	
minimum elong	-9102 Apr 14 j 03:51	15°♒17'43	2°07'55	
max. Earth dist.	-9102 Apr 15 j 03:29	15°♒25'09	10.31876 AU	
morning rise	-9102 May 01 j 22:38	17°♒30'59		
retrograde	-9102 Aug 11 j 12:47	25°♒12'05		
opposition	-9102 Oct 17 j 08:52	21°♒47'57	-2°26'58	
min. Earth dist.	-9102 Oct 16 j 16:38	21°♒51'13	8.40319 AU	
direct	-9102 Dec 25 j 02:54	18°♒19'48		
evening set	-9101 Apr 10 j 05:38	26°♒11'55		
conjunction	-9101 Apr 28 j 01:14	28°♒23'02	-1°48'08	
minimum elong	-9101 Apr 28 j 01:18	28°♒23'04	1°48'29	
max. Earth dist.	-9101 Apr 28 j 19:49	28°♒28'46	10.48792 AU	
	-9101 May 11 j 04:38	0°♓		
morning rise	-9101 May 15 j 16:39	0°♓32'47		
retrograde	-9101 Aug 24 j 02:07	7°♓59'15		
opposition	-9101 Oct 30 j 07:13	4°♓37'11	-1°59'31	
min. Earth dist.	-9101 Oct 29 j 18:07	4°♓39'46	8.57217 AU	
direct	-9100 Jan 07 j 20:22	1°♓10'08		
evening set	-9100 Apr 22 j 15:26	8°♓50'51		
conjunction	-9100 May 10 j 08:02	10°♓58'42	-1°24'07	
minimum elong	-9100 May 10 j 08:05	10°♓58'43	1°24'23	
max. Earth dist.	-9100 May 10 j 21:33	11°♓02'48	10.65546 AU	
morning rise	-9100 May 27 j 19:44	13°♓05'03		
retrograde	-9100 Sep 04 j 07:27	20°♓18'28		
opposition	-9100 Nov 10 j 20:33	16°♓58'19	-1°27'31	
min. Earth dist.	-9100 Nov 10 j 11:14	17°♓00'07	8.73524 AU	
direct	-9099 Jan 20 j 01:29	13°♓32'31		
evening set	-9099 May 05 j 12:14	21°♓02'28		
conjunction	-9099 May 23 j 01:27	23°♓07'16	-0°57'01	
minimum elong	-9099 May 23 j 01:30	23°♓07'17	0°57'10	
max. Earth dist.	-9099 May 23 j 09:50	23°♓09'46	10.81304 AU	
morning rise	-9099 Jun 09 j 09:15	25°♓10'29		
	-9099 Jul 26 j 13:13	0°♈		
retrograde	-9099 Sep 16 j 03:00	2°♈12'49		
	-9099 Nov 08 j 12:59	30°℞♓		
opposition	-9099 Nov 23 j 01:59	28°♓54'24	-0°52'49	
min. Earth dist.	-9099 Nov 22 j 21:27	28°♓55'16	8.88530 AU	
direct	-9098 Feb 01 j 20:55	25°♓29'52		
	-9098 Apr 21 j 22:23	0°♈		
evening set	-9098 May 17 j 21:30	2°♈50'10		
conjunction	-9098 Jun 04 j 06:53	4°♈52'09	-0°28'15	
minimum elong	-9098 Jun 04 j 06:54	4°♈52'09	0°28'16	
max. Earth dist.	-9098 Jun 04 j 09:33	4°♈52'56	10.95457 AU	
morning rise	-9098 Jun 21 j 10:46	6°♈52'34		
retrograde	-9098 Sep 27 j 15:38	13°♈45'58		
opposition	-9098 Dec 05 j 01:10	10°♈29'00	-0°17'04	
min. Earth dist.	-9098 Dec 05 j 01:43	10°♈28'54	9.01714 AU	
direct	-9097 Feb 14 j 08:25	7°♈05'42		
evening set	-9097 May 29 j 20:37	14°♈17'38		
asc. node	-9097 Jun 03 j 06:19	14°♈47'53		
conjunction	-9097 Jun 16 j 01:51	16°♈17'04	0°01'01	
minimum elong	-9097 Jun 16 j 01:49	16°♈17'04	0°01'07	
behind sun begin	-9097 Jun 15 j 18:45	16°♈15'02		
behind sun end	-9097 Jun 16 j 08:53	16°♈19'06		
max. Earth dist.	-9097 Jun 15 j 22:15	16°♈16'05	11.07545 AU	
morning rise	-9097 Jul 03 j 01:52	18°♈15'02		
retrograde	-9097 Oct 08 j 22:20	25°♈01'43		
opposition	-9097 Dec 16 j 19:17	21°♈45'51	0°18'23	
min. Earth dist.	-9097 Dec 16 j 23:56	21°♈44'59	9.12655 AU	
direct	-9096 Feb 26 j 11:54	18°♈23'41		
evening set	-9096 Jun 09 j 11:14	25°♈28'39		

Attention, astronomical year style is used: The year -9096 in astronomical counting style is the year 9097 BCE in historical counting style.

conjunction	-9096 Jun 26 j 12:20	27°♈25'55	0°29'34	
minimum elong	-9096 Jun 26 j 12:19	27°♈25'55	0°29'46	
max. Earth dist.	-9096 Jun 26 j 03:55	27°♈23'29	11.17197 AU	
morning rise	-9096 Jul 13 j 08:36	29°♈21'51		
	-9096 Jul 19 j 00:53	0°♉		
retrograde	-9096 Oct 19 j 02:47	6°♉04'01		
opposition	-9096 Dec 27 j 09:35	2°♉48'51	0°52'24	
min. Earth dist.	-9096 Dec 27 j 17:35	2°♉47'22	9.21009 AU	
	-9095 Feb 10 j 20:30	30°℞♈		
direct	-9095 Mar 09 j 10:08	29°♈27'42		
	-9095 Apr 04 j 17:12	0°♉		
evening set	-9095 Jun 20 j 19:02	6°♉27'15		
conjunction	-9095 Jul 07 j 16:11	8°♉22'44	0°56'35	
minimum elong	-9095 Jul 07 j 16:09	8°♉22'43	0°56'53	
max. Earth dist.	-9095 Jul 07 j 04:15	8°♉19'18	11.24107 AU	
morning rise	-9095 Jul 24 j 08:45	10°♉17'01		
	-9095 Sep 10 j 19:10	15°♉		
retrograde	-9095 Oct 30 j 06:26	16°♉56'50		
	-9095 Dec 20 j 15:55	15°℞♉		
opposition	-9094 Jan 07 j 21:49	13°♉42'03	1°23'59	
min. Earth dist.	-9094 Jan 08 j 09:41	13°♉39'52	9.26514 AU	
direct	-9094 Mar 21 j 01:06	10°♉21'45		
	-9094 Jun 10 j 13:29	15°♉		
evening set	-9094 Jul 01 j 21:57	17°♉17'27		
conjunction	-9094 Jul 18 j 15:10	19°♉11'36	1°21'18	
minimum elong	-9094 Jul 18 j 15:07	19°♉11'35	1°21'41	
max. Earth dist.	-9094 Jul 17 j 23:02	19°♉06'58	11.28071 AU	
morning rise	-9094 Aug 04 j 04:28	21°♉04'44		
retrograde	-9094 Nov 10 j 08:09	27°♉44'17		
opposition	-9093 Jan 19 j 09:23	24°♉29'33	1°52'21	
min. Earth dist.	-9093 Jan 20 j 01:11	24°♉26'40	9.29019 AU	
direct	-9093 Apr 01 j 12:40	21°♉09'53		
evening set	-9093 Jul 12 j 21:37	28°♉03'25		
conjunction	-9093 Jul 29 j 11:14	29°♉56'39	1°43'00	
minimum elong	-9093 Jul 29 j 11:11	29°♉56'38	1°43'27	
max. Earth dist.	-9093 Jul 28 j 15:06	29°♉50'53	11.28999 AU	
	-9093 Jul 29 j 22:55	0°♊		
morning rise	-9093 Aug 14 j 21:56	1°♊49'07		
retrograde	-9093 Nov 21 j 12:31	8°♊30'31		
opposition	-9092 Jan 30 j 21:36	5°♊15'27	2°16'43	
min. Earth dist.	-9092 Jan 31 j 16:07	5°♊12'06	9.28466 AU	
direct	-9092 Apr 11 j 23:19	1°♊56'15		
evening set	-9092 Jul 22 j 19:32	8°♊49'11		
max. Earth dist.	-9092 Aug 07 j 08:14	10°♊35'41	11.26871 AU	
conjunction	-9092 Aug 08 j 06:21	10°♊42'03	2°01'05	
minimum elong	-9092 Aug 08 j 06:19	10°♊42'03	2°01'36	
morning rise	-9092 Aug 24 j 14:59	12°♊34'24		
retrograde	-9092 Dec 01 j 20:43	19°♊19'39		
opposition	-9091 Feb 10 j 11:53	16°♊03'56	2°36'25	
min. Earth dist.	-9091 Feb 11 j 07:41	16°♊00'20	9.24857 AU	
direct	-9091 Apr 23 j 08:28	12°♊45'02		
evening set	-9091 Aug 02 j 17:46	19°♊38'58		
max. Earth dist.	-9091 Aug 18 j 03:07	21°♊25'13	11.21738 AU	
conjunction	-9091 Aug 19 j 02:33	21°♊32'01	2°14'57	
minimum elong	-9091 Aug 19 j 02:31	21°♊32'00	2°15'31	
morning rise	-9091 Sep 04 j 09:48	23°♊24'46		
	-9091 Nov 25 j 09:54	0°♋		
retrograde	-9091 Dec 13 j 11:35	0°♋15'47		
	-9091 Dec 31 j 15:23	30°℞♊		
opposition	-9090 Feb 22 j 05:41	26°♊59'11	2°50'45	
min. Earth dist.	-9090 Feb 23 j 02:52	26°♊55'19	9.18293 AU	
direct	-9090 May 04 j 18:09	23°♊40'23		
	-9090 Aug 08 j 08:06	0°♋		
evening set	-9090 Aug 13 j 18:03	0°♋36'52		
max. Earth dist.	-9090 Aug 29 j 00:22	2°♋23'18	11.13765 AU	
conjunction	-9090 Aug 30 j 01:32	2°♋30'40	2°24'04	
minimum elong	-9090 Aug 30 j 01:31	2°♋30'40	2°24'38	
morning rise	-9090 Sep 15 j 08:37	4°♋24'28		
retrograde	-9090 Dec 25 j 06:42	11°♋23'06		
opposition	-9089 Mar 06 j 04:42	8°♋05'19	2°59'02	
min. Earth dist.	-9089 Mar 07 j 03:05	8°♋01'13	9.08982 AU	
direct	-9089 May 16 j 05:00	4°♋46'26		
evening set	-9089 Aug 24 j 21:56	11°♋46'59		
max. Earth dist.	-9089 Sep 09 j 03:33	13°♋34'30	11.03200 AU	
conjunction	-9089 Sep 10 j 05:15	13°♋42'07	2°27'52	
minimum elong	-9089 Sep 10 j 05:15	13°♋42'07	2°28'26	
morning rise	-9089 Sep 26 j 13:21	15°♋37'34		
retrograde	-9088 Jan 06 j 11:24	22°♋45'36		
opposition	-9088 Mar 17 j 09:51	19°♋26'23	3°00'39	
min. Earth dist.	-9088 Mar 18 j 08:04	19°♋22'17	8.97212 AU	
direct	-9088 May 26 j 22:21	16°♋07'12		
evening set	-9088 Sep 04 j 07:26	23°♋13'16		
conjunction	-9088 Sep 20 j 15:57	25°♋10'23	2°25'55	
minimum elong	-9088 Sep 20 j 15:58	25°♋10'23	2°26'26	
max. Earth dist.	-9088 Sep 19 j 15:43	25°♋03'06	10.90372 AU	
morning rise	-9088 Oct 07 j 02:04	27°♋08'06		
	-9088 Nov 01 j 17:49	0°♌		
retrograde	-9087 Jan 18 j 02:27	4°♌27'02		
opposition	-9087 Mar 29 j 22:08	1°♌06'12	2°54'59	
min. Earth dist.	-9087 Mar 30 j 18:37	1°♌02'23	8.83373 AU	
	-9087 Apr 13 j 23:03	30°℞♋		
direct	-9087 Jun 07 j 19:27	27°♋46'34		
	-9087 Jul 29 j 23:37	0°♌		
evening set	-9087 Sep 16 j 00:24	4°♌59'28		
conjunction	-9087 Oct 02 j 11:17	6°♌59'10	2°17'48	
minimum elong	-9087 Oct 02 j 11:19	6°♌59'11	2°18'17	
max. Earth dist.	-9087 Oct 01 j 13:14	6°♌52'26	10.75734 AU	
morning rise	-9087 Oct 19 j 00:37	8°♌59'45		
	-9087 Dec 18 j 18:12	15°♌		
retrograde	-9086 Jan 31 j 03:40	16°♌30'58		
	-9086 Mar 16 j 16:44	15°℞♌		
opposition	-9086 Apr 11 j 19:02	13°♌08'20	2°41'34	
min. Earth dist.	-9086 Apr 12 j 12:50	13°♌04'57	8.67986 AU	
direct	-9086 Jun 19 j 23:37	9°♌48'05		
	-9086 Sep 09 j 18:33	15°♌		
evening set	-9086 Sep 28 j 02:36	17°♌09'02		
conjunction	-9086 Oct 14 j 16:54	19°♌11'51	2°03'18	
minimum elong	-9086 Oct 14 j 16:57	19°♌11'52	2°03'44	
max. Earth dist.	-9086 Oct 13 j 21:04	19°♌05'41	10.59870 AU	
morning rise	-9086 Oct 31 j 10:48	21°♌15'52		
retrograde	-9085 Feb 13 j 17:01	29°♌00'18		
opposition	-9085 Apr 25 j 01:06	25°♌35'47	2°20'11	
min. Earth dist.	-9085 Apr 25 j 16:03	25°♌32'55	8.51701 AU	
direct	-9085 Jul 02 j 11:58	22°♌14'43		
evening set	-9085 Oct 10 j 16:01	29°♌44'47		
	-9085 Oct 12 j 17:07	0°♍		
conjunction	-9085 Oct 27 j 10:51	1°♍51'11	1°42'28	
minimum elong	-9085 Oct 27 j 10:55	1°♍51'12	1°42'48	
max. Earth dist.	-9085 Oct 26 j 18:28	1°♍46'00	10.43475 AU	
morning rise	-9085 Nov 13 j 10:19	3°♍59'06		
retrograde	-9084 Feb 27 j 17:40	11°♍57'07		
opposition	-9084 May 07 j 16:22	8°♍30'44	1°50'57	
min. Earth dist.	-9084 May 08 j 03:54	8°♍28'29	8.35275 AU	

Attention, astronomical year style is used: The year -9084 in astronomical counting style is the year 9085 BCE in historical counting style.

direct	-9084 Jul 14 j 09:04	5°♍08'41		
evening set	-9084 Oct 22 j 18:02	12°♍48'42		
conjunction	-9084 Nov 08 j 18:19	14°♍58'59	1°15'42	
minimum elong	-9084 Nov 08 j 18:22	14°♍59'00	1°15'55	
max. Earth dist.	-9084 Nov 08 j 07:01	14°♍55'21	10.27332 AU	
morning rise	-9084 Nov 25 j 23:53	17°♍10'59		
retrograde	-9083 Mar 13 j 03:57	25°♍22'26		
opposition	-9083 May 21 j 16:55	21°♍54'13	1°14'37	
min. Earth dist.	-9083 May 21 j 23:54	21°♍52'50	8.19542 AU	
direct	-9083 Jul 27 j 18:11	18°♍31'04		
evening set	-9083 Nov 05 j 09:41	26°♍21'27		
conjunction	-9083 Nov 22 j 15:53	28°♍35'40	0°43'55	
minimum elong	-9083 Nov 22 j 15:55	28°♍35'40	0°44'01	
max. Earth dist.	-9083 Nov 22 j 11:00	28°♍34'04	10.12288 AU	
	-9083 Dec 03 j 10:51	0°♎		
morning rise	-9083 Dec 10 j 03:39	0°♎51'44		
retrograde	-9082 Mar 28 j 00:52	9°♎15'35		
opposition	-9082 Jun 05 j 01:59	5°♎45'42	0°32'39	
min. Earth dist.	-9082 Jun 05 j 03:35	5°♎45'22	8.05366 AU	
direct	-9082 Aug 10 j 13:13	2°♎21'22		
evening set	-9082 Nov 19 j 15:48	10°♎22'02		
conjunction	-9082 Dec 07 j 03:52	12°♎39'58	0°08'41	
minimum elong	-9082 Dec 07 j 03:52	12°♎39'58	0°08'38	
behind sun begin	-9082 Dec 06 j 21:35	12°♎37'55		
behind sun end	-9082 Dec 07 j 10:10	12°♎42'02		
max. Earth dist.	-9082 Dec 07 j 05:32	12°♎40'30	9.99183 AU	
morning rise	-9082 Dec 24 j 21:31	14°♎59'47		
desc. node	-9081 Mar 07 j 10:29	22°♎26'23		
retrograde	-9081 Apr 12 j 06:29	23°♎34'03		
opposition	-9081 Jun 19 j 18:04	20°♎02'47	-0°12'43	
min. Earth dist.	-9081 Jun 19 j 14:12	20°♎03'34	7.93548 AU	
direct	-9081 Aug 24 j 17:05	16°♎37'12		
evening set	-9081 Dec 04 j 11:51	24°♎47'40		
conjunction	-9081 Dec 22 j 05:12	27°♎08'46	-0°28'05	
minimum elong	-9081 Dec 22 j 05:10	27°♎08'45	0°28'16	
max. Earth dist.	-9081 Dec 22 j 12:53	27°♎11'19	9.88770 AU	
morning rise	-9080 Jan 09 j 03:52	29°♎31'39		
	-9080 Jan 12 j 19:02	0°♏		
retrograde	-9080 Apr 26 j 18:00	8°♏13'34		
opposition	-9080 Jul 03 j 15:35	4°♏41'23	-0°58'28	
min. Earth dist.	-9080 Jul 03 j 06:52	4°♏43'11	7.84800 AU	
direct	-9080 Sep 07 j 05:27	1°♏14'35		
evening set	-9080 Dec 18 j 20:11	9°♏33'40		
conjunction	-9079 Jan 05 j 17:47	11°♏57'06	-1°03'37	
minimum elong	-9079 Jan 05 j 17:44	11°♏57'05	1°03'57	
max. Earth dist.	-9079 Jan 06 j 07:23	12°♏01'40	9.81758 AU	
morning rise	-9079 Jan 23 j 20:07	14°♏22'05		
	-9079 Jan 28 j 16:09	15°♏		
retrograde	-9079 May 12 j 07:48	23°♏08'00		
opposition	-9079 Jul 18 j 16:10	19°♏35'23	-1°41'07	
min. Earth dist.	-9079 Jul 18 j 03:09	19°♏38'06	7.79821 AU	
direct	-9079 Sep 22 j 02:32	16°♏07'28		
evening set	-9078 Jan 03 j 13:57	24°♏32'58		
conjunction	-9078 Jan 21 j 14:37	26°♏57'39	-1°35'18	
minimum elong	-9078 Jan 21 j 14:32	26°♏57'38	1°35'44	
max. Earth dist.	-9078 Jan 22 j 09:41	27°♏04'05	9.78806 AU	
morning rise	-9078 Feb 08 j 19:02	29°♏23'32		
	-9078 Feb 13 j 10:24	0°♐		
retrograde	-9078 May 27 j 19:06	8°♐08'58		
opposition	-9078 Aug 02 j 16:51	4°♐36'26	-2°17'09	
min. Earth dist.	-9078 Aug 02 j 00:27	4°♐39'53	7.79117 AU	

direct	-9078 Oct 07 j 05:29	1°♐07'31		
evening set	-9077 Jan 19 j 12:51	9°♐36'23		
conjunction	-9077 Feb 06 j 15:16	12°♐01'09	-2°00'35	
minimum elong	-9077 Feb 06 j 15:12	12°♐01'08	2°01'06	
max. Earth dist.	-9077 Feb 07 j 14:38	12°♐08'59	9.80247 AU	
morning rise	-9077 Feb 24 j 20:12	14°♐26'39		
retrograde	-9077 Jun 11 j 23:57	23°♐06'54		
opposition	-9077 Aug 17 j 14:42	19°♐34'59	-2°43'40	
min. Earth dist.	-9077 Aug 16 j 20:00	19°♐38'56	7.82791 AU	
direct	-9077 Oct 22 j 10:41	16°♐05'21		
evening set	-9076 Feb 04 j 11:45	24°♐33'59		
conjunction	-9076 Feb 22 j 14:39	26°♐57'41	-2°17'35	
minimum elong	-9076 Feb 22 j 14:36	26°♐57'40	2°18'08	
max. Earth dist.	-9076 Feb 23 j 16:47	27°♐06'23	9.85999 AU	
morning rise	-9076 Mar 11 j 18:39	29°♐21'37		
	-9076 Mar 16 j 17:22	0°♑		
retrograde	-9076 Jun 25 j 19:30	7°♑52'30		
min. Earth dist.	-9076 Aug 30 j 10:36	4°♑25'55	7.90569 AU	
opposition	-9076 Aug 31 j 06:46	4°♑21'41	-2°58'51	
direct	-9076 Nov 05 j 14:32	0°♑51'39		
evening set	-9075 Feb 19 j 05:28	9°♑16'25		
conjunction	-9075 Mar 09 j 07:56	11°♑38'09	-2°25'21	
minimum elong	-9075 Mar 09 j 07:55	11°♑38'09	2°25'55	
max. Earth dist.	-9075 Mar 10 j 11:16	11°♑47'08	9.95635 AU	
morning rise	-9075 Mar 27 j 10:00	13°♑59'37		
retrograde	-9075 Jul 10 j 03:57	22°♑17'53		
opposition	-9075 Sep 14 j 14:52	18°♑48'34	-3°02'13	
min. Earth dist.	-9075 Sep 13 j 18:12	18°♑52'52	8.01865 AU	
direct	-9075 Nov 20 j 13:30	15°♑18'29		
evening set	-9074 Mar 06 j 13:50	23°♑36'12		
conjunction	-9074 Mar 24 j 15:09	25°♑55'19	-2°23'54	
minimum elong	-9074 Mar 24 j 15:10	25°♑55'19	2°24'27	
max. Earth dist.	-9074 Mar 25 j 18:01	26°♑04'00	10.08436 AU	
morning rise	-9074 Apr 11 j 14:37	28°♑13'42		
	-9074 Apr 25 j 22:47	0°♒		
retrograde	-9074 Jul 24 j 00:53	6°♒17'20		
opposition	-9074 Sep 28 j 13:36	2°♒49'47	-2°54'28	
min. Earth dist.	-9074 Sep 27 j 17:37	2°♒53'54	8.15861 AU	
	-9074 Nov 07 j 21:28	30°℞♑		
direct	-9074 Dec 05 j 05:33	29°♑20'03		
	-9073 Jan 01 j 13:38	0°♒		
evening set	-9073 Mar 21 j 10:03	7°♒28'22		
conjunction	-9073 Apr 08 j 09:32	9°♒44'25	-2°14'06	
minimum elong	-9073 Apr 08 j 09:35	9°♒44'26	2°14'35	
max. Earth dist.	-9073 Apr 09 j 10:24	9°♒52'19	10.23504 AU	
morning rise	-9073 Apr 26 j 05:51	11°♒59'23		
	-9073 May 21 j 17:17	15°♒		
retrograde	-9073 Aug 06 j 08:38	19°♒47'37		
min. Earth dist.	-9073 Oct 11 j 08:18	16°♒25'41	8.31643 AU	
opposition	-9073 Oct 12 j 02:14	16°♒22'03	-2°37'09	
	-9073 Oct 29 j 10:26	15°℞♒		
direct	-9073 Dec 19 j 12:44	12°♒52'59		
	-9072 Feb 08 j 00:02	15°♒		
evening set	-9072 Apr 03 j 16:24	20°♒50'28		
conjunction	-9072 Apr 21 j 13:29	23°♒03'14	-1°57'18	
minimum elong	-9072 Apr 21 j 13:33	23°♒03'15	1°57'42	
max. Earth dist.	-9072 Apr 22 j 11:01	23°♒09'57	10.39900 AU	
morning rise	-9072 May 09 j 06:23	25°♒14'40		
	-9072 Jun 21 j 20:21	0°♓		
retrograde	-9072 Aug 18 j 04:16	2°♓47'52		
	-9072 Oct 16 j 17:34	30°℞♒		

Attention, astronomical year style is used: The year -9072 in astronomical counting style is the year 9073 BCE in historical counting style.

opposition	-9072 Oct 24 j 04:57	29°≈24'20	-2°12'17
min. Earth dist.	-9072 Oct 23 j 14:29	29°≈27'14	8.48299 AU
direct	-9071 Jan 01 j 09:28	25°≈56'14	
	-9071 Mar 15 j 03:53	0°♓	
evening set	-9071 Apr 17 j 08:21	3°♓42'19	
conjunction	-9071 May 05 j 02:31	5°♓51'46	-1°35'06
minimum elong	-9071 May 05 j 02:34	5°♓51'48	1°35'24
max. Earth dist.	-9071 May 05 j 19:06	5°♓56'51	10.56712 AU
morning rise	-9071 May 22 j 15:54	7°♓59'45	
retrograde	-9071 Aug 30 j 13:17	15°♓19'05	
opposition	-9071 Nov 05 j 22:09	11°♓57'33	-1°41'58
min. Earth dist.	-9071 Nov 05 j 11:39	11°♓59'37	8.64957 AU
direct	-9070 Jan 14 j 19:19	8°♓30'36	
evening set	-9070 Apr 30 j 10:51	16°♓05'33	
conjunction	-9070 May 18 j 01:36	18°♓11'48	-1°09'08
minimum elong	-9070 May 18 j 01:39	18°♓11'49	1°09'19
max. Earth dist.	-9070 May 18 j 12:14	18°♓15'00	10.73106 AU
morning rise	-9070 Jun 04 j 11:18	20°♓16'31	
retrograde	-9070 Sep 11 j 10:24	27°♓23'41	
opposition	-9070 Nov 18 j 06:46	24°♓04'01	-1°08'11
min. Earth dist.	-9070 Nov 18 j 00:01	24°♓05'19	8.80840 AU
direct	-9069 Jan 27 j 20:44	20°♓38'22	
evening set	-9069 May 13 j 00:49	28°♓02'59	
	-9069 May 29 j 14:49	0°♈	
conjunction	-9069 May 30 j 11:54	0°♈06'14	-0°40'55
minimum elong	-9069 May 30 j 11:55	0°♈06'15	0°40'59
max. Earth dist.	-9069 May 30 j 17:08	0°♈07'47	10.88366 AU
morning rise	-9069 Jun 16 j 17:43	2°♈07'56	
retrograde	-9069 Sep 23 j 02:07	9°♈05'05	
opposition	-9069 Nov 30 j 08:18	5°♈47'02	-0°32'41
min. Earth dist.	-9069 Nov 30 j 04:57	5°♈47'40	8.95294 AU
direct	-9068 Feb 09 j 12:16	2°♈22'47	
evening set	-9068 May 24 j 03:38	9°♈38'11	
conjunction	-9068 Jun 10 j 10:52	11°♈38'44	-0°11'46
minimum elong	-9068 Jun 10 j 10:52	11°♈38'44	0°11'43
behind sun begin	-9068 Jun 10 j 05:52	11°♈37'17	
behind sun end	-9068 Jun 10 j 15:52	11°♈40'11	
max. Earth dist.	-9068 Jun 10 j 11:49	11°♈39'00	11.01891 AU
morning rise	-9068 Jun 27 j 12:38	13°♈37'45	
retrograde	-9068 Oct 03 j 12:27	20°♈27'02	
asc. node	-9068 Nov 09 j 02:34	19°♈22'08	
opposition	-9068 Dec 11 j 04:04	17°♈10'23	0°03'03
min. Earth dist.	-9068 Dec 11 j 05:04	17°♈10'11	9.07777 AU
direct	-9067 Feb 20 j 16:59	13°♈47'31	
evening set	-9067 Jun 04 j 21:27	20°♈55'08	
conjunction	-9067 Jun 22 j 00:32	22°♈53'18	0°17'15
minimum elong	-9067 Jun 22 j 00:31	22°♈53'18	0°17'25
max. Earth dist.	-9067 Jun 21 j 20:28	22°♈52'08	11.13191 AU
morning rise	-9067 Jul 08 j 22:23	24°♈50'03	
	-9067 Aug 31 j 23:57	0°♉	
retrograde	-9067 Oct 14 j 16:51	1°♉33'41	
	-9067 Nov 28 j 17:28	30°℞♈	
opposition	-9067 Dec 22 j 19:24	28°♈18'09	0°37'48
min. Earth dist.	-9067 Dec 23 j 01:14	28°♈17'04	9.17861 AU
direct	-9066 Mar 04 j 16:17	24°♈56'31	
	-9066 May 29 j 05:28	0°♉	
evening set	-9066 Jun 16 j 07:54	1°♉57'59	
conjunction	-9066 Jul 03 j 06:42	3°♉54'08	0°45'02
minimum elong	-9066 Jul 03 j 06:40	3°♉54'08	0°45'18
max. Earth dist.	-9066 Jul 02 j 21:06	3°♉51'23	11.21898 AU
morning rise	-9066 Jul 20 j 00:54	5°♉49'01	

retrograde	-9066 Oct 25 j 19:29	12°♉29'15	
opposition	-9065 Jan 03 j 08:06	9°♉14'27	1°10'33
min. Earth dist.	-9065 Jan 03 j 17:53	9°♉12'39	9.25215 AU
direct	-9065 Mar 16 j 10:02	5°♉53'57	
evening set	-9065 Jun 27 j 12:26	12°♉50'49	
conjunction	-9065 Jul 14 j 07:13	14°♉45'22	1°10'50
minimum elong	-9065 Jul 14 j 07:10	14°♉45'21	1°11'11
max. Earth dist.	-9065 Jul 13 j 17:30	14°♉41'26	11.27740 AU
	-9065 Jul 16 j 10:15	15°♉	
morning rise	-9065 Jul 30 j 22:00	16°♉38'51	
retrograde	-9065 Nov 05 j 21:32	23°♉17'51	
opposition	-9064 Jan 14 j 19:26	20°♉03'25	1°40'23
min. Earth dist.	-9064 Jan 15 j 08:02	20°♉01'07	9.29599 AU
direct	-9064 Mar 26 j 23:32	16°♉43'51	
evening set	-9064 Jul 07 j 13:04	23°♉37'42	
max. Earth dist.	-9064 Jul 23 j 11:43	25°♉26'24	11.30528 AU
conjunction	-9064 Jul 24 j 04:17	25°♉31'08	1°33'56
minimum elong	-9064 Jul 24 j 04:14	25°♉31'07	1°34'21
morning rise	-9064 Aug 09 j 15:56	27°♉23'41	
	-9064 Sep 03 j 03:49	0°♊	
retrograde	-9064 Nov 16 j 02:27	4°♊03'29	
opposition	-9063 Jan 25 j 06:44	0°♊49'04	2°06'33
min. Earth dist.	-9063 Jan 25 j 22:28	0°♊46'13	9.30871 AU
	-9063 Feb 05 j 15:50	30°℞♉	
direct	-9063 Apr 07 j 09:42	27°♉30'13	
	-9063 Jun 04 j 10:19	0°♊	
evening set	-9063 Jul 18 j 11:29	4°♊22'39	
conjunction	-9063 Aug 03 j 23:28	6°♊15'27	1°53'39
minimum elong	-9063 Aug 03 j 23:26	6°♊15'26	1°54'08
max. Earth dist.	-9063 Aug 03 j 03:24	6°♊09'42	11.30166 AU
morning rise	-9063 Aug 20 j 08:44	8°♊07'36	
retrograde	-9063 Nov 27 j 07:27	14°♊50'13	
opposition	-9062 Feb 05 j 19:44	11°♊35'26	2°28'20
min. Earth dist.	-9062 Feb 06 j 14:56	11°♊31'57	9.28967 AU
direct	-9062 Apr 18 j 17:31	8°♊17'01	
evening set	-9062 Jul 29 j 09:16	15°♊09'40	
conjunction	-9062 Aug 14 j 18:37	17°♊02'20	2°09'24
minimum elong	-9062 Aug 14 j 18:35	17°♊02'19	2°09'57
max. Earth dist.	-9062 Aug 13 j 19:12	16°♊55'34	11.26638 AU
morning rise	-9062 Aug 31 j 02:22	18°♊54'37	
retrograde	-9062 Dec 08 j 18:16	25°♊42'04	
opposition	-9061 Feb 17 j 11:38	22°♊26'32	2°45'03
min. Earth dist.	-9061 Feb 18 j 08:59	22°♊22'39	9.23893 AU
direct	-9061 Apr 30 j 03:54	19°♊08'18	
evening set	-9061 Aug 09 j 08:07	26°♊02'43	
conjunction	-9061 Aug 25 j 15:55	27°♊55'52	2°20'39
minimum elong	-9061 Aug 25 j 15:53	27°♊55'51	2°21'13
max. Earth dist.	-9061 Aug 24 j 15:08	27°♊48'39	11.19989 AU
morning rise	-9061 Sep 10 j 22:54	29°♊48'53	
	-9061 Sep 12 j 14:01	0°♋	
retrograde	-9061 Dec 20 j 10:51	6°♋43'06	
opposition	-9060 Feb 29 j 07:40	3°♋26'27	2°56'03
min. Earth dist.	-9060 Mar 01 j 05:51	3°♋22'25	9.15736 AU
direct	-9060 May 10 j 14:18	0°♋08'11	
evening set	-9060 Aug 19 j 09:49	7°♋06'00	
conjunction	-9060 Sep 04 j 17:08	9°♋00'15	2°26'50
minimum elong	-9060 Sep 04 j 17:08	9°♋00'14	2°27'24
max. Earth dist.	-9060 Sep 03 j 15:46	8°♋52'47	11.10373 AU
morning rise	-9060 Sep 21 j 00:25	10°♋54'38	
retrograde	-9060 Dec 31 j 12:22	17°♋57'30	
opposition	-9059 Mar 12 j 09:27	14°♋39'29	3°00'41

Attention, astronomical year style is used: The year -9059 in astronomical counting style is the year 9060 BCE in historical counting style.

min. Earth dist.	-9059 Mar 13 j 07:52	14°♋35'21	9.04737 AU
direct	-9059 May 22 j 04:14	11°♋20'56	
evening set	-9059 Aug 30 j 16:24	18°♋23'40	
max. Earth dist.	-9059 Sep 14 j 21:55	20°♋11'49	10.98135 AU
conjunction	-9059 Sep 16 j 00:08	20°♋19'38	2°27'29
minimum elong	-9059 Sep 16 j 00:09	20°♋19'38	2°28'02
morning rise	-9059 Oct 02 j 09:01	22°♋16'03	
retrograde	-9058 Jan 12 j 22:04	29°♋29'13	
opposition	-9058 Mar 24 j 18:14	26°♋09'34	2°58'20
min. Earth dist.	-9058 Mar 25 j 16:43	26°♋05'23	8.91327 AU
direct	-9058 Jun 02 j 21:50	22°♋50'29	
evening set	-9058 Sep 11 j 05:33	29°♋59'34	
	-9058 Sep 11 j 07:00	0°♌	
conjunction	-9058 Sep 27 j 14:59	1°♌57'51	2°22'09
minimum elong	-9058 Sep 27 j 15:01	1°♌57'52	2°22'40
max. Earth dist.	-9058 Sep 26 j 13:29	1°♌50'08	10.83768 AU
morning rise	-9058 Oct 14 j 02:45	3°♌56'55	
retrograde	-9057 Jan 25 j 16:31	11°♌21'54	
opposition	-9057 Apr 06 j 11:00	8°♌00'19	2°48'28
min. Earth dist.	-9057 Apr 07 j 08:13	7°♌56'20	8.76047 AU
direct	-9057 Jun 14 j 23:27	4°♌40'28	
evening set	-9057 Sep 23 j 02:58	11°♌57'12	
conjunction	-9057 Oct 09 j 15:31	13°♌58'26	2°10'33
minimum elong	-9057 Oct 09 j 15:34	13°♌58'27	2°11'00
max. Earth dist.	-9057 Oct 08 j 16:53	13°♌51'28	10.67836 AU
	-9057 Oct 17 j 23:39	15°♌	
morning rise	-9057 Oct 26 j 07:15	16°♌00'44	
retrograde	-9056 Feb 07 j 23:55	23°♌38'40	
opposition	-9056 Apr 18 j 12:26	20°♌15'01	2°30'43
min. Earth dist.	-9056 Apr 19 j 06:42	20°♌11'32	8.59515 AU
direct	-9056 Jun 26 j 08:51	16°♌54'13	
evening set	-9056 Oct 04 j 10:44	24°♌19'45	
max. Earth dist.	-9056 Oct 20 j 08:46	26°♌18'33	10.50999 AU
conjunction	-9056 Oct 21 j 03:30	26°♌24'26	1°52'34
minimum elong	-9056 Oct 21 j 03:33	26°♌24'27	1°52'57
morning rise	-9056 Nov 07 j 00:11	28°♌30'28	
	-9056 Nov 19 j 09:51	0°♍	
retrograde	-9055 Feb 20 j 19:04	6°♍22'03	
opposition	-9055 May 01 j 23:01	2°♍56'17	2°05'02
min. Earth dist.	-9055 May 02 j 13:01	2°♍53'34	8.42458 AU
	-9055 Jun 17 j 00:13	30°℞♌	
direct	-9055 Jul 09 j 01:23	29°♌34'25	
	-9055 Jul 30 j 19:16	0°♍	
evening set	-9055 Oct 17 j 06:29	7°♍09'43	
conjunction	-9055 Nov 03 j 04:16	9°♍18'14	1°28'27
minimum elong	-9055 Nov 03 j 04:20	9°♍18'15	1°28'43
max. Earth dist.	-9055 Nov 02 j 13:45	9°♍13'36	10.34041 AU
morning rise	-9055 Nov 20 j 06:51	11°♍28'21	
retrograde	-9054 Mar 07 j 01:21	19°♍33'48	
opposition	-9054 May 15 j 19:13	16°♍05'58	1°31'51
min. Earth dist.	-9054 May 16 j 04:40	16°♍04'06	8.25717 AU
direct	-9054 Jul 22 j 04:09	12°♍42'54	
evening set	-9054 Oct 30 j 15:34	20°♍28'39	
conjunction	-9054 Nov 16 j 19:01	22°♍41'11	0°58'49
minimum elong	-9054 Nov 16 j 19:04	22°♍41'12	0°58'57
max. Earth dist.	-9054 Nov 16 j 09:28	22°♍38'06	10.17827 AU
morning rise	-9054 Dec 04 j 04:00	24°♍55'32	
	-9053 Jan 17 j 16:09	0°♎	
retrograde	-9053 Mar 21 j 18:28	3°♎14'15	
	-9053 May 26 j 19:31	30°℞♍	
opposition	-9053 May 30 j 00:32	29°♍44'33	0°52'12
min. Earth dist.	-9053 May 30 j 05:12	29°♍43'37	8.10192 AU
direct	-9053 Aug 04 j 17:33	26°♍20'11	
	-9053 Oct 08 j 12:01	0°♎	
evening set	-9053 Nov 13 j 15:08	4°♎16'41	
conjunction	-9053 Dec 01 j 00:29	6°♎33'09	0°24'54
minimum elong	-9053 Dec 01 j 00:31	6°♎33'10	0°24'55
max. Earth dist.	-9053 Nov 30 j 20:53	6°♎31'58	10.03260 AU
morning rise	-9053 Dec 18 j 15:45	8°♎51'33	
retrograde	-9052 Apr 04 j 20:45	17°♎22'00	
opposition	-9052 Jun 12 j 13:45	13°♎50'44	0°08'00
min. Earth dist.	-9052 Jun 12 j 13:29	13°♎50'47	7.96805 AU
direct	-9052 Aug 17 j 17:21	10°♎25'04	
desc. node	-9052 Aug 17 j 12:39	10°♎25'04	
evening set	-9052 Nov 27 j 05:04	18°♎32'00	
conjunction	-9052 Dec 14 j 20:04	20°♎51'59	-0°11'31
minimum elong	-9052 Dec 14 j 20:04	20°♎51'59	0°11'39
behind sun begin	-9052 Dec 14 j 14:56	20°♎50'17	
behind sun end	-9052 Dec 15 j 01:12	20°♎53'40	
max. Earth dist.	-9052 Dec 14 j 23:32	20°♎53'07	9.91245 AU
morning rise	-9051 Jan 01 j 16:50	23°♎13'52	
	-9051 Mar 04 j 14:01	0°♏	
retrograde	-9051 Apr 20 j 05:49	1°♏53'34	
	-9051 Jun 06 j 15:08	30°℞♎	
opposition	-9051 Jun 27 j 09:32	28°♎21'08	-0°38'03
min. Earth dist.	-9051 Jun 27 j 03:52	28°♎22'18	7.86433 AU
direct	-9051 Sep 01 j 03:21	24°♎54'14	
	-9051 Nov 17 j 00:08	0°♏	
evening set	-9051 Dec 12 j 08:11	3°♏10'28	
conjunction	-9051 Dec 30 j 04:06	5°♏33'14	-0°47'56
minimum elong	-9051 Dec 30 j 04:03	5°♏33'13	0°48'12
max. Earth dist.	-9051 Dec 30 j 14:59	5°♏36'53	9.82608 AU
morning rise	-9050 Jan 17 j 05:10	7°♏57'41	
	-9050 Mar 22 j 17:54	15°♏	
retrograde	-9050 May 05 j 18:29	16°♏43'09	
	-9050 Jun 19 j 07:38	15°℞♏	
opposition	-9050 Jul 12 j 09:27	13°♏10'02	-1°22'36
min. Earth dist.	-9050 Jul 11 j 22:24	13°♏12'21	7.79810 AU
direct	-9050 Sep 15 j 22:16	9°♏42'00	
	-9050 Dec 03 j 09:51	15°♏	
evening set	-9050 Dec 27 j 22:26	18°♏05'39	
conjunction	-9049 Jan 14 j 22:05	20°♏30'10	-1°21'43
minimum elong	-9049 Jan 14 j 22:01	20°♏30'09	1°22'06
max. Earth dist.	-9049 Jan 15 j 15:47	20°♏36'08	9.77990 AU
morning rise	-9049 Feb 02 j 01:54	22°♏56'02	
	-9049 Apr 07 j 14:23	0°♐	
retrograde	-9049 May 21 j 06:49	1°♐42'55	
	-9049 Jul 04 j 10:59	30°℞♏	
opposition	-9049 Jul 27 j 10:36	28°♏09'43	-2°02'03
min. Earth dist.	-9049 Jul 26 j 18:52	28°♏13'01	7.77433 AU
direct	-9049 Sep 30 j 23:01	24°♏40'44	
	-9049 Dec 18 j 19:31	0°♐	
evening set	-9048 Jan 12 j 19:50	3°♐09'02	
conjunction	-9048 Jan 30 j 21:49	5°♐34'07	-1°50'10
minimum elong	-9048 Jan 30 j 21:45	5°♐34'06	1°50'39
max. Earth dist.	-9048 Jan 31 j 21:12	5°♐41'59	9.77762 AU
morning rise	-9048 Feb 18 j 02:42	8°♐00'06	
retrograde	-9048 Jun 04 j 15:03	16°♐43'47	
opposition	-9048 Aug 10 j 10:16	13°♐11'04	-2°33'08
min. Earth dist.	-9048 Aug 09 j 14:54	13°♐15'09	7.79496 AU
direct	-9048 Oct 15 j 02:37	9°♐41'24	
evening set	-9047 Jan 27 j 19:19	18°♐10'57	

Attention, astronomical year style is used: The year -9047 in astronomical counting style is the year 9048 BCE in historical counting style.

conjunction	-9047 Feb 14 j 22:19	20°♐35'25	-2°11'03
minimum elong	-9047 Feb 14 j 22:15	20°♐35'24	2°11'36
max. Earth dist.	-9047 Feb 16 j 01:52	20°♐44'38	9.81971 AU
morning rise	-9047 Mar 05 j 02:47	23°♐00'17	
	-9047 May 08 j 17:44	0°♑	
retrograde	-9047 Jun 19 j 16:16	1°♑36'21	
	-9047 Aug 01 j 01:07	30°℞♐	
min. Earth dist.	-9047 Aug 24 j 07:59	28°♐09'12	7.85855 AU
opposition	-9047 Aug 25 j 05:26	28°♐04'40	-2°53'31
direct	-9047 Oct 30 j 06:27	24°♐34'37	
	-9046 Jan 19 j 05:51	0°♑	
evening set	-9046 Feb 12 j 16:08	3°♑01'49	
conjunction	-9046 Mar 02 j 19:03	5°♑24'40	-2°22'59
minimum elong	-9046 Mar 02 j 19:02	5°♑24'39	2°23'34
max. Earth dist.	-9046 Mar 04 j 00:33	5°♑34'25	9.90318 AU
morning rise	-9046 Mar 20 j 22:01	7°♑47'25	
retrograde	-9046 Jul 04 j 07:30	16°♑12'04	
opposition	-9046 Sep 08 j 17:30	12°♑41'56	-3°02'06
min. Earth dist.	-9046 Sep 07 j 19:48	12°♑46'28	7.96044 AU
direct	-9046 Nov 14 j 07:19	9°♑11'51	
evening set	-9045 Feb 28 j 05:37	17°♑33'20	
conjunction	-9045 Mar 18 j 07:32	19°♑53'45	-2°25'35
minimum elong	-9045 Mar 18 j 07:33	19°♑53'45	2°26'08
max. Earth dist.	-9045 Mar 19 j 12:37	20°♑03'13	10.02194 AU
morning rise	-9045 Apr 05 j 08:12	22°♑13'38	
	-9045 Jun 27 j 15:26	0°♒	
retrograde	-9045 Jul 18 j 10:55	0°♒24'16	
	-9045 Aug 08 j 05:13	30°℞♑	
opposition	-9045 Sep 22 j 20:59	26°♑56'02	-2°59'06
min. Earth dist.	-9045 Sep 22 j 00:12	27°♑00'20	8.09342 AU
direct	-9045 Nov 29 j 03:13	23°♑26'19	
	-9044 Feb 29 j 20:38	0°♒	
evening set	-9044 Mar 14 j 07:55	1°♒39'16	
conjunction	-9044 Apr 01 j 08:09	3°♒56'44	-2°19'19
minimum elong	-9044 Apr 01 j 08:11	3°♒56'44	2°19'50
max. Earth dist.	-9044 Apr 02 j 11:02	4°♒05'20	10.16774 AU
morning rise	-9044 Apr 19 j 05:58	6°♒13'17	
retrograde	-9044 Jul 30 j 23:54	14°♒08'36	
opposition	-9044 Oct 05 j 14:34	10°♒42'28	-2°45'44
min. Earth dist.	-9044 Oct 04 j 19:31	10°♒46'21	8.24867 AU
direct	-9044 Dec 12 j 16:04	7°♒13'26	
	-9043 Mar 26 j 16:53	15°♒	
evening set	-9043 Mar 28 j 20:56	15°♒15'58	
conjunction	-9043 Apr 15 j 19:00	17°♒30'10	-2°05'23
minimum elong	-9043 Apr 15 j 19:04	17°♒30'11	2°05'50
max. Earth dist.	-9043 Apr 16 j 18:19	17°♒37'29	10.33118 AU
morning rise	-9043 May 03 j 13:39	19°♒43'10	
retrograde	-9043 Aug 13 j 00:08	27°♒23'01	
opposition	-9043 Oct 18 j 21:50	23°♒59'02	-2°23'54
min. Earth dist.	-9043 Oct 18 j 05:01	24°♒02'24	8.41659 AU
direct	-9043 Dec 26 j 18:19	20°♒30'57	
evening set	-9042 Apr 11 j 19:46	28°♒22'05	
	-9042 Apr 25 j 04:23	0°♓	
conjunction	-9042 Apr 29 j 15:15	0°♓32'57	-1°45'20
minimum elong	-9042 Apr 29 j 15:19	0°♓32'58	1°45'41
max. Earth dist.	-9042 Apr 30 j 10:15	0°♓38'48	10.50243 AU
morning rise	-9042 May 17 j 06:22	2°♓42'23	
retrograde	-9042 Aug 25 j 14:20	10°♓07'36	
opposition	-9042 Oct 31 j 19:21	6°♓45'41	-1°55'42
min. Earth dist.	-9042 Oct 31 j 05:42	6°♓48'23	8.58749 AU
direct	-9041 Jan 09 j 09:22	3°♓18'46	
evening set	-9041 Apr 25 j 04:28	10°♓58'23	

conjunction	-9041 May 12 j 20:52	13°♓05'57	-1°20'49
minimum elong	-9041 May 12 j 20:55	13°♓05'58	1°21'04
max. Earth dist.	-9041 May 13 j 11:15	13°♓10'18	10.67180 AU
morning rise	-9041 May 30 j 08:08	15°♓11'58	
retrograde	-9041 Sep 06 j 17:50	22°♓24'06	
opposition	-9041 Nov 13 j 07:54	19°♓04'08	-1°23'12
min. Earth dist.	-9041 Nov 12 j 22:45	19°♓05'55	8.75228 AU
direct	-9040 Jan 22 j 13:49	15°♓38'28	
evening set	-9040 May 07 j 00:04	23°♓07'15	
conjunction	-9040 May 24 j 12:54	25°♓11'43	-0°53'24
minimum elong	-9040 May 24 j 12:56	25°♓11'43	0°53'32
max. Earth dist.	-9040 May 24 j 21:25	25°♓14'15	10.83073 AU
morning rise	-9040 Jun 10 j 20:18	27°♓14'35	
	-9040 Jul 05 j 18:18	0°♈	
retrograde	-9040 Sep 17 j 12:21	4°♈15'42	
opposition	-9040 Nov 24 j 12:36	0°♈57'28	-0°48'16
min. Earth dist.	-9040 Nov 24 j 08:37	0°♈58'14	8.90334 AU
	-9040 Dec 07 j 05:16	30°℞♓	
direct	-9039 Feb 03 j 08:59	27°♓33'06	
	-9039 Apr 01 j 03:20	0°♈	
evening set	-9039 May 19 j 07:58	4°♈52'13	
conjunction	-9039 Jun 05 j 16:52	6°♈53'51	-0°24'30
minimum elong	-9039 Jun 05 j 16:53	6°♈53'51	0°24'30
max. Earth dist.	-9039 Jun 05 j 18:45	6°♈54'24	10.97268 AU
morning rise	-9039 Jun 22 j 20:28	8°♈53'56	
retrograde	-9039 Sep 28 j 23:32	15°♈46'15	
opposition	-9039 Dec 06 j 10:52	12°♈29'28	-0°12'29
min. Earth dist.	-9039 Dec 06 j 11:22	12°♈29'22	9.03510 AU
direct	-9038 Feb 15 j 19:15	9°♈06'21	
asc. node	-9038 Apr 16 j 22:49	11°♈47'59	
evening set	-9038 May 31 j 05:55	16°♈17'10	
conjunction	-9038 Jun 17 j 10:43	18°♈16'17	0°04'45
minimum elong	-9038 Jun 17 j 10:42	18°♈16'17	0°04'53
behind sun begin	-9038 Jun 17 j 03:49	18°♈14'18	
behind sun end	-9038 Jun 17 j 17:35	18°♈18'16	
max. Earth dist.	-9038 Jun 17 j 06:54	18°♈15'13	11.09299 AU
morning rise	-9038 Jul 04 j 10:25	20°♈13'57	
retrograde	-9038 Oct 10 j 06:03	26°♈59'45	
opposition	-9038 Dec 18 j 04:07	23°♈44'02	0°22'50
min. Earth dist.	-9038 Dec 18 j 08:20	23°♈43'15	9.14347 AU
direct	-9037 Feb 27 j 22:57	20°♈22'06	
evening set	-9037 Jun 11 j 19:31	27°♈26'04	
conjunction	-9037 Jun 28 j 20:16	29°♈23'02	0°33'07
minimum elong	-9037 Jun 28 j 20:15	29°♈23'02	0°33'21
max. Earth dist.	-9037 Jun 28 j 12:20	29°♈20'45	11.18811 AU
	-9037 Jul 04 j 04:28	0°♉	
morning rise	-9037 Jul 15 j 16:03	1°♉18'40	
retrograde	-9037 Oct 21 j 10:57	8°♉00'07	
opposition	-9037 Dec 29 j 17:59	4°♉45'08	0°56'34
min. Earth dist.	-9037 Dec 30 j 02:07	4°♉43'38	9.22535 AU
direct	-9036 Mar 10 j 18:12	1°♉24'14	
evening set	-9036 Jun 22 j 02:27	8°♉22'52	
conjunction	-9036 Jul 08 j 23:09	10°♉18'06	0°59'52
minimum elong	-9036 Jul 08 j 23:06	10°♉18'06	1°00'11
max. Earth dist.	-9036 Jul 08 j 10:58	10°♉14'37	11.25529 AU
morning rise	-9036 Jul 25 j 15:18	12°♉12'09	
	-9036 Aug 21 j 01:07	15°♉	
retrograde	-9036 Oct 31 j 12:17	18°♉51'25	
opposition	-9035 Jan 09 j 05:46	15°♉36'48	1°27'46
min. Earth dist.	-9035 Jan 09 j 18:27	15°♉34'29	9.27835 AU
	-9035 Jan 17 j 15:58	15°℞♉	
direct	-9035 Mar 22 j 08:44	12°♉16'42	

Attention, astronomical year style is used: The year -9035 in astronomical counting style is the year 9036 BCE in historical counting style.

	-9035 May 22 j 07:46	15°♉		
evening set	-9035 Jul 03 j 04:42	19°♉11'42		
conjunction	-9035 Jul 19 j 21:25	21°♉05'35	1°24'13	
minimum elong	-9035 Jul 19 j 21:22	21°♉05'35	1°24'36	
max. Earth dist.	-9035 Jul 19 j 04:18	21°♉00'41	11.29269 AU	
morning rise	-9035 Aug 05 j 10:29	22°♉58'31		
retrograde	-9035 Nov 11 j 14:36	29°♉37'42		
opposition	-9034 Jan 20 j 16:45	26°♉23'05	1°55'38	
min. Earth dist.	-9034 Jan 21 j 08:52	26°♉20'09	9.30097 AU	
direct	-9034 Apr 02 j 21:03	23°♉03'37		
evening set	-9034 Jul 14 j 03:43	29°♉56'33		
	-9034 Jul 14 j 16:01	0°♊		
conjunction	-9034 Jul 30 j 17:01	1°♊49'37	1°45'29	
minimum elong	-9034 Jul 30 j 16:58	1°♊49'36	1°45'56	
max. Earth dist.	-9034 Jul 29 j 20:53	1°♊43'50	11.29936 AU	
morning rise	-9034 Aug 16 j 03:25	3°♊41'56		
retrograde	-9034 Nov 22 j 18:33	10°♊23'07		
opposition	-9033 Feb 01 j 04:39	7°♊08'07	2°19'25	
min. Earth dist.	-9033 Feb 01 j 22:47	7°♊04'50	9.29261 AU	
direct	-9033 Apr 14 j 06:29	3°♊49'06		
evening set	-9033 Jul 25 j 01:09	10°♊41'33		
conjunction	-9033 Aug 10 j 11:45	12°♊34'17	2°03'03	
minimum elong	-9033 Aug 10 j 11:42	12°♊34'16	2°03'34	
max. Earth dist.	-9033 Aug 09 j 13:59	12°♊28'01	11.27513 AU	
morning rise	-9033 Aug 26 j 20:02	14°♊26'30		
retrograde	-9033 Dec 04 j 04:15	21°♊11'42		
opposition	-9032 Feb 12 j 18:50	17°♊56'02	2°38'27	
min. Earth dist.	-9032 Feb 13 j 14:49	17°♊52'24	9.25350 AU	
direct	-9032 Apr 24 j 15:28	14°♊37'15		
evening set	-9032 Aug 03 j 23:08	21°♊30'49		
max. Earth dist.	-9032 Aug 19 j 07:28	23°♊16'46	11.22079 AU	
conjunction	-9032 Aug 20 j 07:39	23°♊23'47	2°16'21	
minimum elong	-9032 Aug 20 j 07:36	23°♊23'46	2°16'54	
morning rise	-9032 Sep 05 j 14:49	25°♊16'29		
	-9032 Oct 23 j 09:19	0°♋		
retrograde	-9032 Dec 14 j 16:29	2°♋07'33		
	-9031 Feb 07 j 09:15	30°℞♊		
opposition	-9031 Feb 23 j 12:30	28°♊50'57	2°52'04	
min. Earth dist.	-9031 Feb 24 j 10:33	28°♊46'56	9.18484 AU	
direct	-9031 May 05 j 22:59	25°♊32'12		
	-9031 Jul 23 j 07:05	0°♋		
evening set	-9031 Aug 14 j 23:12	2°♋28'30		
max. Earth dist.	-9031 Aug 30 j 04:36	4°♋14'40	11.13802 AU	
conjunction	-9031 Aug 31 j 06:30	4°♋22'15	2°24'50	
minimum elong	-9031 Aug 31 j 06:29	4°♋22'15	2°25'24	
morning rise	-9031 Sep 16 j 13:39	6°♋16'02		
retrograde	-9031 Dec 26 j 12:52	13°♋14'54		
opposition	-9030 Mar 07 j 11:22	9°♋57'04	2°59'36	
min. Earth dist.	-9030 Mar 08 j 10:16	9°♋52'51	9.08864 AU	
direct	-9030 May 17 j 12:29	6°♋38'10		
evening set	-9030 Aug 26 j 02:56	13°♋38'40		
max. Earth dist.	-9030 Sep 10 j 08:57	15°♋26'18	11.02929 AU	
conjunction	-9030 Sep 11 j 10:20	15°♋33'50	2°28'00	
minimum elong	-9030 Sep 11 j 10:20	15°♋33'50	2°28'33	
morning rise	-9030 Sep 27 j 18:26	17°♋29'19		
retrograde	-9029 Jan 07 j 18:22	24°♋37'43		
opposition	-9029 Mar 19 j 16:34	21°♋18'24	3°00'24	
min. Earth dist.	-9029 Mar 20 j 14:28	21°♋14'21	8.96789 AU	
direct	-9029 May 29 j 04:31	17°♋59'12		
evening set	-9029 Sep 06 j 12:32	25°♋05'19		
conjunction	-9029 Sep 22 j 21:13	27°♋02'32	2°25'22	
minimum elong	-9029 Sep 22 j 21:14	27°♋02'32	2°25'53	
max. Earth dist.	-9029 Sep 21 j 21:08	26°♋55'17	10.89804 AU	
morning rise	-9029 Oct 09 j 07:26	29°♋00'21		
	-9029 Oct 17 j 20:44	0°♌		
retrograde	-9028 Jan 20 j 09:24	6°♌19'50		
opposition	-9028 Mar 31 j 05:09	2°♌58'50	2°53'55	
min. Earth dist.	-9028 Apr 01 j 01:24	2°♌55'03	8.82664 AU	
	-9028 May 19 j 13:49	30°℞♋		
direct	-9028 Jun 09 j 01:20	29°♋39'09		
	-9028 Jun 29 j 06:38	0°♌		
evening set	-9028 Sep 17 j 05:50	6°♌52'17		
conjunction	-9028 Oct 03 j 16:53	8°♌52'08	2°16'33	
minimum elong	-9028 Oct 03 j 16:56	8°♌52'09	2°17'03	
max. Earth dist.	-9028 Oct 02 j 18:00	8°♌45'09	10.74899 AU	
morning rise	-9028 Oct 20 j 06:36	10°♌52'54		
	-9028 Nov 26 j 21:55	15°♌		
retrograde	-9027 Feb 01 j 12:03	18°♌24'46		
opposition	-9027 Apr 13 j 02:23	15°♌01'59	2°39'39	
	-9027 Apr 13 j 12:51	15°℞♌		
min. Earth dist.	-9027 Apr 13 j 20:44	14°♌58'30	8.67019 AU	
direct	-9027 Jun 21 j 05:30	11°♌41'37		
	-9027 Aug 23 j 21:27	15°♌		
evening set	-9027 Sep 29 j 08:33	19°♌03'00		
conjunction	-9027 Oct 15 j 23:06	21°♌06'02	2°01'23	
minimum elong	-9027 Oct 15 j 23:09	21°♌06'03	2°01'48	
max. Earth dist.	-9027 Oct 15 j 02:31	20°♌59'37	10.58799 AU	
morning rise	-9027 Nov 01 j 17:29	23°♌10'18		
	-9026 Jan 12 j 13:12	0°♍		
retrograde	-9026 Feb 15 j 00:54	0°♍55'32		
	-9026 Mar 21 j 00:14	30°℞♌		
opposition	-9026 Apr 26 j 08:55	27°♌30'51	2°17'26	
min. Earth dist.	-9026 Apr 27 j 00:38	27°♌27'50	8.50518 AU	
direct	-9026 Jul 03 j 18:12	24°♌09'38		
	-9026 Sep 28 j 02:19	0°♍		
evening set	-9026 Oct 11 j 22:36	1°♍40'21		
conjunction	-9026 Oct 28 j 17:53	3°♍47'01	1°39'55	
minimum elong	-9026 Oct 28 j 17:57	3°♍47'02	1°40'14	
max. Earth dist.	-9026 Oct 28 j 01:43	3°♍41'54	10.42216 AU	
morning rise	-9026 Nov 14 j 17:49	5°♍55'13		
retrograde	-9025 Mar 01 j 01:14	13°♍54'15		
opposition	-9025 May 10 j 00:51	10°♍27'39	1°47'27	
min. Earth dist.	-9025 May 10 j 12:29	10°♍25'22	8.33940 AU	
direct	-9025 Jul 16 j 17:36	7°♍05'27		
evening set	-9025 Oct 25 j 01:33	14°♍46'16		
conjunction	-9025 Nov 11 j 02:25	16°♍56'53	1°12'35	
minimum elong	-9025 Nov 11 j 02:28	16°♍56'54	1°12'47	
max. Earth dist.	-9025 Nov 10 j 15:52	16°♍53'29	10.25953 AU	
morning rise	-9025 Nov 28 j 08:25	19°♍09'13		
retrograde	-9024 Mar 14 j 13:39	27°♍21'47		
opposition	-9024 May 23 j 02:06	23°♍53'22	1°10'28	
min. Earth dist.	-9024 May 23 j 08:32	23°♍52'05	8.18135 AU	
direct	-9024 Jul 29 j 02:41	20°♍30'06		
evening set	-9024 Nov 06 j 18:34	28°♍21'25		
	-9024 Nov 19 j 11:07	0°♎		
conjunction	-9024 Nov 24 j 01:17	0°♎36'00	0°40'22	
minimum elong	-9024 Nov 24 j 01:19	0°♎36'00	0°40'26	
max. Earth dist.	-9024 Nov 23 j 20:55	0°♎34'34	10.10881 AU	
morning rise	-9024 Dec 11 j 13:29	2°♎52'26		
retrograde	-9023 Mar 29 j 12:59	11°♎17'25		
opposition	-9023 Jun 06 j 11:54	7°♎47'22	0°28'01	
min. Earth dist.	-9023 Jun 06 j 12:42	7°♎47'12	8.03996 AU	

Attention, astronomical year style is used: The year -9023 in astronomical counting style is the year 9024 BCE in historical counting style.

direct	-9023 Aug 11 j 20:58	4°♎22'55	
evening set	-9023 Nov 21 j 02:04	12°♎24'40	
conjunction	-9023 Dec 08 j 14:31	14°♎42'55	0°04'53
minimum elong	-9023 Dec 08 j 14:31	14°♎42'55	0°04'48
behind sun begin	-9023 Dec 08 j 07:26	14°♎40'36	
behind sun end	-9023 Dec 08 j 21:36	14°♎45'15	
max. Earth dist.	-9023 Dec 08 j 16:22	14°♎43'30	9.97888 AU
morning rise	-9023 Dec 26 j 08:36	17°♎03'05	
desc. node	-9022 Jan 28 j 00:20	21°♎00'41	
retrograde	-9022 Apr 13 j 19:49	25°♎38'23	
opposition	-9022 Jun 21 j 04:53	22°♎07'00	-0°17'34
min. Earth dist.	-9022 Jun 21 j 00:25	22°♎07'55	7.92375 AU
direct	-9022 Aug 26 j 02:01	18°♎41'17	
evening set	-9022 Dec 05 j 23:25	26°♎52'47	
conjunction	-9022 Dec 23 j 17:03	29°♎14'09	-0°31'54
minimum elong	-9022 Dec 23 j 17:01	29°♎14'09	0°32'07
max. Earth dist.	-9022 Dec 24 j 00:44	29°♎16'43	9.87747 AU
	-9022 Dec 29 j 10:14	0°♏	
morning rise	-9021 Jan 10 j 16:08	1°♏37'19	
retrograde	-9021 Apr 29 j 07:30	10°♏19'58	
opposition	-9021 Jul 06 j 03:04	6°♏47'41	-1°03'10
min. Earth dist.	-9021 Jul 05 j 18:15	6°♏49'31	7.83951 AU
direct	-9021 Sep 09 j 16:37	3°♏20'44	
evening set	-9021 Dec 21 j 08:59	11°♏40'42	
conjunction	-9020 Jan 08 j 06:48	14°♏04'19	-1°07'11
minimum elong	-9020 Jan 08 j 06:44	14°♏04'18	1°07'32
max. Earth dist.	-9020 Jan 08 j 20:06	14°♏08'47	9.81072 AU
	-9020 Jan 15 j 04:32	15°♏	
morning rise	-9020 Jan 26 j 09:26	16°♏29'28	
retrograde	-9020 May 13 j 20:39	25°♏15'46	
opposition	-9020 Jul 20 j 03:57	21°♏43'08	-1°45'18
min. Earth dist.	-9020 Jul 19 j 15:17	21°♏45'47	7.79299 AU
direct	-9020 Sep 23 j 14:50	18°♏15'05	
evening set	-9019 Jan 05 j 03:37	26°♏41'20	
conjunction	-9019 Jan 23 j 04:24	29°♏06'08	-1°38'19
minimum elong	-9019 Jan 23 j 04:20	29°♏06'07	1°38'46
max. Earth dist.	-9019 Jan 23 j 23:08	29°♏12'27	9.78429 AU
	-9019 Jan 29 j 20:31	0°♐	
morning rise	-9019 Feb 10 j 08:58	1°♐32'06	
retrograde	-9019 May 29 j 07:15	10°♐17'38	
opposition	-9019 Aug 04 j 04:54	6°♐45'10	-2°20'29
min. Earth dist.	-9019 Aug 03 j 12:45	6°♐48'34	7.78892 AU
direct	-9019 Oct 08 j 17:55	3°♐16'12	
evening set	-9018 Jan 21 j 02:56	11°♐45'36	
conjunction	-9018 Feb 08 j 05:27	14°♐10'25	-2°02'49
minimum elong	-9018 Feb 08 j 05:23	14°♐10'24	2°03'20
max. Earth dist.	-9018 Feb 09 j 04:45	14°♐18'14	9.80160 AU
morning rise	-9018 Feb 26 j 10:24	16°♐35'55	
retrograde	-9018 Jun 13 j 12:04	25°♐16'03	
min. Earth dist.	-9018 Aug 18 j 07:57	21°♐48'13	7.82851 AU
opposition	-9018 Aug 19 j 02:48	21°♐44'15	-2°45'54
direct	-9018 Oct 23 j 23:10	18°♐14'36	
evening set	-9017 Feb 06 j 02:08	26°♐43'32	
conjunction	-9017 Feb 24 j 05:09	29°♐07'15	-2°18'52
minimum elong	-9017 Feb 24 j 05:06	29°♐07'14	2°19'26
max. Earth dist.	-9017 Feb 25 j 07:31	29°♐16'01	9.86196 AU
	-9017 Mar 02 j 19:55	0°♑	
morning rise	-9017 Mar 14 j 09:02	1°♑31'07	
retrograde	-9017 Jun 28 j 07:58	10°♑01'37	
opposition	-9017 Sep 02 j 18:43	6°♑30'57	-2°59'49
min. Earth dist.	-9017 Sep 01 j 22:03	6°♑35'17	7.90901 AU
direct	-9017 Nov 08 j 02:59	3°♑00'57	
evening set	-9016 Feb 21 j 19:51	11°♑25'47	
conjunction	-9016 Mar 10 j 22:23	13°♑47'28	-2°25'37
minimum elong	-9016 Mar 10 j 22:23	13°♑47'28	2°26'11
max. Earth dist.	-9016 Mar 12 j 02:17	13°♑56'38	9.96101 AU
morning rise	-9016 Mar 29 j 00:13	16°♑08'49	
retrograde	-9016 Jul 11 j 16:43	24°♑26'28	
min. Earth dist.	-9016 Sep 15 j 05:29	21°♑01'43	8.02449 AU
opposition	-9016 Sep 16 j 02:41	20°♑57'19	-3°01'54
direct	-9016 Nov 22 j 02:07	17°♑27'19	
evening set	-9015 Mar 08 j 03:45	25°♑44'51	
conjunction	-9015 Mar 26 j 05:03	28°♑03'50	-2°23'11
minimum elong	-9015 Mar 26 j 05:04	28°♑03'51	2°23'43
max. Earth dist.	-9015 Mar 27 j 08:40	28°♑12'46	10.09148 AU
	-9015 Apr 10 j 06:34	0°♒	
morning rise	-9015 Apr 13 j 04:13	0°♒22'04	
retrograde	-9015 Jul 25 j 12:40	8°♒24'56	
min. Earth dist.	-9015 Sep 29 j 05:05	5°♒01'42	8.16678 AU
opposition	-9015 Sep 30 j 01:07	4°♒57'35	-2°52'57
direct	-9015 Dec 06 j 18:05	1°♒27'57	
evening set	-9014 Mar 22 j 23:20	9°♒35'51	
conjunction	-9014 Apr 09 j 22:43	11°♒51'43	-2°12'28
minimum elong	-9014 Apr 09 j 22:47	11°♒51'45	2°12'56
max. Earth dist.	-9014 Apr 10 j 23:56	11°♒59'43	10.24435 AU
morning rise	-9014 Apr 27 j 18:48	14°♒06'30	
	-9014 May 05 j 01:14	15°♒	
retrograde	-9014 Aug 07 j 19:52	21°♒53'49	
opposition	-9014 Oct 13 j 13:17	18°♒28'29	-2°34'36
min. Earth dist.	-9014 Oct 12 j 19:54	18°♒32'01	8.32661 AU
	-9014 Dec 18 j 00:08	15°℞♒	
direct	-9014 Dec 21 j 00:11	14°♒59'31	
	-9014 Dec 24 j 00:25	15°♒	
evening set	-9013 Apr 06 j 04:56	22°♒56'25	
conjunction	-9013 Apr 24 j 01:47	25°♒08'59	-1°54'55
minimum elong	-9013 Apr 24 j 01:51	25°♒09'00	1°55'18
max. Earth dist.	-9013 Apr 24 j 22:54	25°♒15'33	10.41008 AU
morning rise	-9013 May 11 j 18:31	27°♒20'12	
	-9013 Jun 03 j 15:12	0°♓	
retrograde	-9013 Aug 20 j 14:48	4°♓52'24	
opposition	-9013 Oct 26 j 15:31	1°♓29'06	-2°08'55
min. Earth dist.	-9013 Oct 26 j 01:32	1°♓31'53	8.49471 AU
	-9013 Nov 14 j 21:54	30°℞♒	
direct	-9012 Jan 03 j 20:45	28°♒01'07	
	-9012 Feb 22 j 07:19	0°♓	
evening set	-9012 Apr 18 j 19:57	5°♓46'28	
conjunction	-9012 May 06 j 13:48	7°♓55'42	-1°32'08
minimum elong	-9012 May 06 j 13:52	7°♓55'43	1°32'25
max. Earth dist.	-9012 May 07 j 05:33	8°♓00'31	10.57948 AU
morning rise	-9012 May 24 j 03:01	10°♓03'27	
retrograde	-9012 Aug 31 j 21:14	17°♓21'48	
opposition	-9012 Nov 07 j 08:07	14°♓00'27	-1°38'02
min. Earth dist.	-9012 Nov 06 j 21:23	14°♓02'33	8.66233 AU
direct	-9011 Jan 16 j 07:37	10°♓33'38	
evening set	-9011 May 01 j 21:21	18°♓07'44	
conjunction	-9011 May 19 j 11:51	20°♓13'44	-1°05'47
minimum elong	-9011 May 19 j 11:54	20°♓13'45	1°05'57
max. Earth dist.	-9011 May 19 j 22:24	20°♓16'54	10.74423 AU
morning rise	-9011 Jun 05 j 21:18	22°♓18'12	
retrograde	-9011 Sep 12 j 19:15	29°♓24'28	
opposition	-9011 Nov 19 j 16:01	26°♓04'55	-1°03'54
min. Earth dist.	-9011 Nov 19 j 08:44	26°♓06'19	8.82168 AU

Attention, astronomical year style is used: The year -9010 in astronomical counting style is the year 9011 BCE in historical counting style.

direct	-9010 Jan 29 j 08:01	22°♓39'25	
	-9010 May 13 j 23:34	0°♈	
evening set	-9010 May 14 j 10:18	0°♈03'06	
conjunction	-9010 May 31 j 21:10	2°♈06'07	-0°37'21
minimum elong	-9010 May 31 j 21:12	2°♈06'08	0°37'24
max. Earth dist.	-9010 Jun 01 j 03:03	2°♈07'51	10.89706 AU
morning rise	-9010 Jun 18 j 02:35	4°♈07'32	
retrograde	-9010 Sep 24 j 10:36	11°♈03'48	
opposition	-9010 Dec 01 j 16:57	7°♈45'52	-0°28'16
min. Earth dist.	-9010 Dec 01 j 13:44	7°♈46'29	8.96621 AU
direct	-9009 Feb 10 j 20:45	4°♈21'45	
evening set	-9009 May 26 j 12:16	11°♈36'13	
conjunction	-9009 Jun 12 j 19:06	13°♈36'31	-0°08'11
minimum elong	-9009 Jun 12 j 19:07	13°♈36'31	0°08'07
behind sun begin	-9009 Jun 12 j 12:49	13°♈34'42	
behind sun end	-9009 Jun 13 j 01:25	13°♈38'20	
max. Earth dist.	-9009 Jun 12 j 20:12	13°♈36'49	11.03201 AU
morning rise	-9009 Jun 29 j 20:28	15°♈35'16	
asc. node	-9009 Sep 26 j 06:58	22°♈19'07	
retrograde	-9009 Oct 05 j 18:35	22°♈23'45	
opposition	-9009 Dec 13 j 12:11	19°♈07'11	0°07'25
min. Earth dist.	-9009 Dec 13 j 13:50	19°♈06'53	9.09066 AU
direct	-9008 Feb 23 j 02:14	15°♈44'24	
evening set	-9008 Jun 06 j 05:09	22°♈51'09	
conjunction	-9008 Jun 23 j 07:44	24°♈49'03	0°20'46
minimum elong	-9008 Jun 23 j 07:42	24°♈49'03	0°20'56
max. Earth dist.	-9008 Jun 23 j 02:56	24°♈47'40	11.14442 AU
morning rise	-9008 Jul 10 j 05:17	26°♈45'33	
	-9008 Aug 09 j 23:42	0°♉	
retrograde	-9008 Oct 15 j 23:01	3°♉28'29	
opposition	-9008 Dec 24 j 02:55	0°♉12'59	0°41'58
min. Earth dist.	-9008 Dec 24 j 08:52	0°♉11'53	9.19078 AU
	-9008 Dec 27 j 01:03	30°♈R	
direct	-9007 Mar 06 j 00:50	26°♈51'26	
	-9007 May 10 j 19:06	0°♉	
evening set	-9007 Jun 17 j 14:36	3°♉52'03	
conjunction	-9007 Jul 04 j 13:00	5°♉47'58	0°48'20
minimum elong	-9007 Jul 04 j 12:58	5°♉47'57	0°48'37
max. Earth dist.	-9007 Jul 04 j 03:13	5°♉45'09	11.23060 AU
morning rise	-9007 Jul 21 j 06:54	7°♉42'37	
retrograde	-9007 Oct 27 j 00:39	14°♉22'15	
opposition	-9006 Jan 04 j 14:56	11°♉07'28	1°14'22
min. Earth dist.	-9006 Jan 05 j 00:06	11°♉05'47	9.26319 AU
direct	-9006 Mar 17 j 18:03	7°♉47'02	
evening set	-9006 Jun 28 j 18:20	14°♉43'08	
	-9006 Jul 01 j 06:30	15°♉	
conjunction	-9006 Jul 15 j 12:50	16°♉37'27	1°13'49
minimum elong	-9006 Jul 15 j 12:47	16°♉37'27	1°14'11
max. Earth dist.	-9006 Jul 14 j 23:49	16°♉33'44	11.28772 AU
morning rise	-9006 Aug 01 j 03:10	18°♉30'43	
retrograde	-9006 Nov 07 j 04:09	25°♉09'14	
opposition	-9005 Jan 16 j 01:48	21°♉54'48	1°43'46
min. Earth dist.	-9005 Jan 16 j 14:20	21°♉52'31	9.30561 AU
direct	-9005 Mar 29 j 06:44	18°♉35'20	
evening set	-9005 Jul 09 j 18:20	25°♉28'29	
conjunction	-9005 Jul 26 j 09:09	27°♉21'43	1°36'30
minimum elong	-9005 Jul 26 j 09:06	27°♉21'42	1°36'56
max. Earth dist.	-9005 Jul 25 j 16:26	27°♉16'56	11.31409 AU
morning rise	-9005 Aug 11 j 20:29	29°♉14'05	
	-9005 Aug 18 j 18:23	0°♊	
retrograde	-9005 Nov 18 j 06:20	5°♊53'31	

opposition	-9004 Jan 27 j 12:52	2°♊39'06	2°09'24
min. Earth dist.	-9004 Jan 28 j 05:11	2°♊36'08	9.31683 AU
	-9004 Mar 10 j 00:21	30°RR♉	
direct	-9004 Apr 08 j 14:35	29°♉20'19	
	-9004 May 07 j 21:13	0°♊	
evening set	-9004 Jul 19 j 16:07	6°♊12'10	
max. Earth dist.	-9004 Aug 04 j 07:00	7°♊58'51	11.30897 AU
conjunction	-9004 Aug 05 j 03:42	8°♊04'47	1°55'45
minimum elong	-9004 Aug 05 j 03:39	8°♊04'46	1°56'15
morning rise	-9004 Aug 21 j 12:51	9°♊56'47	
retrograde	-9004 Nov 28 j 12:12	16°♊39'12	
opposition	-9003 Feb 07 j 01:28	13°♊24'24	2°30'34
min. Earth dist.	-9003 Feb 07 j 20:47	13°♊20'54	9.29625 AU
direct	-9003 Apr 20 j 00:19	10°♊06'03	
evening set	-9003 Jul 30 j 13:24	16°♊58'12	
conjunction	-9003 Aug 15 j 22:34	18°♊50'44	2°10'59
minimum elong	-9003 Aug 15 j 22:31	18°♊50'44	2°11'32
max. Earth dist.	-9003 Aug 14 j 23:36	18°♊44'07	11.27216 AU
morning rise	-9003 Sep 01 j 06:07	20°♊42'55	
retrograde	-9003 Dec 09 j 22:32	27°♊30'15	
opposition	-9002 Feb 18 j 16:57	24°♊14'40	2°46'36
min. Earth dist.	-9002 Feb 19 j 13:38	24°♊10'55	9.24400 AU
direct	-9002 May 01 j 09:04	20°♊56'32	
evening set	-9002 Aug 10 j 11:53	27°♊50'32	
conjunction	-9002 Aug 26 j 19:36	29°♊43'35	2°21'39
minimum elong	-9002 Aug 26 j 19:35	29°♊43'35	2°22'13
max. Earth dist.	-9002 Aug 25 j 19:29	29°♊36'34	11.20424 AU
	-9002 Aug 29 j 04:00	0°♋	
morning rise	-9002 Sep 12 j 02:24	1°♋36'32	
retrograde	-9002 Dec 21 j 16:37	8°♋30'42	
opposition	-9001 Mar 02 j 12:56	5°♋14'03	2°56'53
min. Earth dist.	-9001 Mar 03 j 10:44	5°♋10'04	9.16104 AU
direct	-9001 May 12 j 19:31	1°♋55'52	
evening set	-9001 Aug 21 j 13:22	8°♋53'18	
conjunction	-9001 Sep 06 j 20:31	10°♋47'29	2°27'14
minimum elong	-9001 Sep 06 j 20:30	10°♋47'29	2°27'47
max. Earth dist.	-9001 Sep 05 j 18:43	10°♋39'54	11.10671 AU
morning rise	-9001 Sep 23 j 03:50	12°♋41'51	
retrograde	-9000 Jan 02 j 16:42	19°♋44'43	
opposition	-9000 Mar 13 j 14:38	16°♋26'42	3°00'46
min. Earth dist.	-9000 Mar 14 j 13:36	16°♋22'29	9.04952 AU
direct	-9000 May 23 j 07:44	13°♋08'13	
evening set	-9000 Aug 31 j 19:50	20°♋10'43	
max. Earth dist.	-9000 Sep 16 j 00:48	21°♋58'41	10.98264 AU
conjunction	-9000 Sep 17 j 03:32	22°♋06'39	2°27'14
minimum elong	-9000 Sep 17 j 03:32	22°♋06'39	2°27'46
morning rise	-9000 Oct 03 j 12:36	24°♋03'05	
	-9000 Dec 05 j 03:09	0°♌	
retrograde	-8999 Jan 14 j 01:18	1°♌16'25	
	-8999 Feb 24 j 01:38	30°RR♋	
opposition	-8999 Mar 25 j 23:11	27°♋56'44	2°57'38
min. Earth dist.	-8999 Mar 26 j 22:12	27°♋52'28	8.91350 AU
direct	-8999 Jun 04 j 02:39	24°♋37'42	
	-8999 Aug 27 j 21:59	0°♌	
evening set	-8999 Sep 12 j 08:54	1°♌46'44	
conjunction	-8999 Sep 28 j 18:32	3°♌45'04	2°21'16
minimum elong	-8999 Sep 28 j 18:35	3°♌45'05	2°21'46
max. Earth dist.	-8999 Sep 27 j 17:24	3°♌37'27	10.83686 AU
morning rise	-8999 Oct 15 j 06:27	5°♌44'12	
retrograde	-8998 Jan 26 j 22:18	13°♌09'29	
opposition	-8998 Apr 07 j 15:56	9°♌47'54	2°46'59

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

min. Earth dist.	-8998 Apr 08 j 12:57	9°♌43'57	8.75848 AU
direct	-8998 Jun 16 j 04:23	6°♌28'07	
evening set	-8998 Sep 24 j 06:29	13°♌44'55	
	-8998 Oct 04 j 13:02	15°♌	
conjunction	-8998 Oct 10 j 19:20	15°♌46'15	2°09'02
minimum elong	-8998 Oct 10 j 19:23	15°♌46'16	2°09'29
max. Earth dist.	-8998 Oct 09 j 21:03	15°♌39'23	10.67529 AU
morning rise	-8998 Oct 27 j 11:15	17°♌48'41	
retrograde	-8997 Feb 09 j 05:52	25°♌27'04	
opposition	-8997 Apr 20 j 17:37	22°♌03'24	2°28'28
min. Earth dist.	-8997 Apr 21 j 11:24	22°♌00'01	8.59093 AU
direct	-8997 Jun 28 j 12:19	18°♌42'41	
evening set	-8997 Oct 06 j 14:43	26°♌08'27	
conjunction	-8997 Oct 23 j 07:46	28°♌13'18	1°50'27
minimum elong	-8997 Oct 23 j 07:50	28°♌13'19	1°50'49
max. Earth dist.	-8997 Oct 22 j 12:28	28°♌07'15	10.50482 AU
	-8997 Nov 06 j 13:30	0°♍	
morning rise	-8997 Nov 09 j 04:51	0°♍19'31	
retrograde	-8996 Feb 23 j 01:05	8°♍11'42	
opposition	-8996 May 03 j 04:32	4°♍45'55	2°02'04
min. Earth dist.	-8996 May 03 j 18:40	4°♍43'11	8.41836 AU
direct	-8996 Jul 10 j 05:45	1°♍24'05	
evening set	-8996 Oct 18 j 11:08	8°♍59'49	
conjunction	-8996 Nov 04 j 09:14	11°♍08'33	1°25'47
minimum elong	-8996 Nov 04 j 09:17	11°♍08'34	1°26'02
max. Earth dist.	-8996 Nov 03 j 17:44	11°♍03'36	10.33344 AU
morning rise	-8996 Nov 21 j 12:20	13°♍18'55	
retrograde	-8995 Mar 08 j 08:19	21°♍25'04	
opposition	-8995 May 17 j 01:13	17°♍57'13	1°28'15
min. Earth dist.	-8995 May 17 j 11:22	17°♍55'13	8.24932 AU
direct	-8995 Jul 23 j 08:54	14°♍34'08	
evening set	-8995 Oct 31 j 20:58	22°♍20'29	
conjunction	-8995 Nov 18 j 00:47	24°♍33'16	0°55'43
minimum elong	-8995 Nov 18 j 00:50	24°♍33'17	0°55'50
max. Earth dist.	-8995 Nov 17 j 14:48	24°♍30'02	10.16991 AU
morning rise	-8995 Dec 05 j 10:16	26°♍47'54	
	-8995 Dec 31 j 22:23	0°♎	
retrograde	-8994 Mar 23 j 02:20	5°♎07'24	
opposition	-8994 May 31 j 07:05	1°♎37'40	0°48'08
min. Earth dist.	-8994 May 31 j 12:23	1°♎36'36	8.09302 AU
	-8994 Jun 21 j 10:02	30°℞♍	
direct	-8994 Aug 05 j 22:49	28°♍13'15	
	-8994 Sep 19 j 00:50	0°♎	
evening set	-8994 Nov 14 j 21:27	6°♎10'31	
conjunction	-8994 Dec 02 j 07:16	8°♎27'15	0°21'31
minimum elong	-8994 Dec 02 j 07:17	8°♎27'15	0°21'30
max. Earth dist.	-8994 Dec 02 j 04:01	8°♎26'11	10.02347 AU
morning rise	-8994 Dec 19 j 22:55	10°♎45'54	
retrograde	-8993 Apr 07 j 04:34	19°♎17'12	
opposition	-8993 Jun 14 j 20:53	15°♎45'53	0°03'39
min. Earth dist.	-8993 Jun 14 j 20:45	15°♎45'54	7.95880 AU
desc. node	-8993 Jul 14 j 20:57	13°♎31'10	
direct	-8993 Aug 20 j 00:24	12°♎20'09	
evening set	-8993 Nov 29 j 12:31	20°♎27'56	
conjunction	-8993 Dec 17 j 04:01	22°♎48'12	-0°15'01
minimum elong	-8993 Dec 17 j 04:00	22°♎48'11	0°15'10
behind sun begin	-8993 Dec 17 j 01:41	22°♎47'25	
behind sun end	-8993 Dec 17 j 06:18	22°♎48'57	
max. Earth dist.	-8993 Dec 17 j 08:13	22°♎49'35	9.90325 AU
morning rise	-8992 Jan 04 j 01:02	25°♎10'18	
	-8992 Feb 13 j 12:26	0°♏	
retrograde	-8992 Apr 21 j 13:56	3°♏50'49	
opposition	-8992 Jun 28 j 17:11	0°♏18'18	-0°42'24
min. Earth dist.	-8992 Jun 28 j 11:09	0°♏19'33	7.85540 AU
	-8992 Jul 02 j 09:47	30°℞♎	
direct	-8992 Sep 02 j 11:18	26°♎51'19	
	-8992 Oct 31 j 06:49	0°♏	
evening set	-8992 Dec 13 j 16:51	5°♏08'28	
conjunction	-8992 Dec 31 j 13:06	7°♏31'27	-0°51'19
minimum elong	-8992 Dec 31 j 13:03	7°♏31'26	0°51'36
max. Earth dist.	-8991 Jan 01 j 00:40	7°♏35'21	9.81749 AU
morning rise	-8991 Jan 18 j 14:17	9°♏56'06	
	-8991 Mar 01 j 22:38	15°♏	
retrograde	-8991 May 07 j 03:03	18°♏42'15	
opposition	-8991 Jul 13 j 17:37	15°♏09'04	-1°26'39
min. Earth dist.	-8991 Jul 13 j 05:57	15°♏11'30	7.79018 AU
	-8991 Jul 15 j 12:57	15°℞♏	
direct	-8991 Sep 17 j 06:01	11°♏40'56	
	-8991 Nov 16 j 17:37	15°♏	
evening set	-8991 Dec 29 j 08:06	20°♏05'26	
conjunction	-8990 Jan 16 j 07:56	22°♏30'07	-1°24'43
minimum elong	-8990 Jan 16 j 07:52	22°♏30'06	1°25'07
max. Earth dist.	-8990 Jan 17 j 02:05	22°♏36'15	9.77266 AU
morning rise	-8990 Feb 03 j 11:48	24°♏56'08	
	-8990 Mar 17 j 15:45	0°♐	
retrograde	-8990 May 22 j 16:09	3°♐43'31	
opposition	-8990 Jul 28 j 19:13	0°♐10'14	-2°05'29
min. Earth dist.	-8990 Jul 28 j 03:09	0°♐13'37	7.76809 AU
	-8990 Jul 30 j 19:46	30°℞♏	
direct	-8990 Oct 02 j 06:09	26°♏41'06	
	-8990 Dec 01 j 21:38	0°♐	
evening set	-8989 Jan 14 j 06:19	5°♐10'09	
conjunction	-8989 Feb 01 j 08:23	7°♐35'21	-1°52'34
minimum elong	-8989 Feb 01 j 08:19	7°♐35'20	1°53'03
max. Earth dist.	-8989 Feb 02 j 07:50	7°♐43'15	9.77234 AU
morning rise	-8989 Feb 19 j 13:17	10°♐01'26	
retrograde	-8989 Jun 07 j 01:39	18°♐45'19	
opposition	-8989 Aug 12 j 19:11	15°♐12'32	-2°35'41
min. Earth dist.	-8989 Aug 11 j 23:59	15°♐16'36	7.79083 AU
direct	-8989 Oct 17 j 10:37	11°♐42'42	
evening set	-8988 Jan 30 j 06:27	20°♐12'49	
conjunction	-8988 Feb 17 j 09:24	22°♐37'21	-2°12'39
minimum elong	-8988 Feb 17 j 09:21	22°♐37'19	2°13'12
max. Earth dist.	-8988 Feb 18 j 12:31	22°♐46'25	9.81670 AU
morning rise	-8988 Mar 06 j 13:51	25°♐02'15	
	-8988 Apr 17 j 05:38	0°♑	
retrograde	-8988 Jun 21 j 03:03	3°♑38'11	
opposition	-8988 Aug 26 j 14:28	0°♑06'30	-2°54'58
min. Earth dist.	-8988 Aug 25 j 17:35	0°♑10'53	7.85677 AU
	-8988 Aug 27 j 21:17	30°℞♐	
direct	-8988 Oct 31 j 15:52	26°♐36'16	
	-8987 Jan 02 j 00:31	0°♑	
evening set	-8987 Feb 14 j 03:23	5°♑03'48	
conjunction	-8987 Mar 04 j 06:11	7°♑26'38	-2°23'40
minimum elong	-8987 Mar 04 j 06:10	7°♑26'37	2°24'15
max. Earth dist.	-8987 Mar 05 j 10:55	7°♑36'07	9.90260 AU
morning rise	-8987 Mar 22 j 09:08	9°♑49'21	
retrograde	-8987 Jul 05 j 17:12	18°♑13'37	
min. Earth dist.	-8987 Sep 09 j 05:16	14°♑47'56	7.96112 AU
opposition	-8987 Sep 10 j 02:32	14°♑43'29	-3°02'22
direct	-8987 Nov 15 j 18:04	11°♑13'17	
evening set	-8986 Mar 01 j 16:34	19°♑34'49	

Attention, astronomical year style is used: The year -8986 in astronomical counting style is the year 8987 BCE in historical counting style.

conjunction	-8986 Mar 19 j 18:25	21°♓55'10	-2°25'19
minimum elong	-8986 Mar 19 j 18:26	21°♓55'10	2°25'53
max. Earth dist.	-8986 Mar 20 j 22:46	22°♓04'24	10.02382 AU
morning rise	-8986 Apr 06 j 19:03	24°♓14'59	
	-8986 May 28 j 12:55	0°♒	
retrograde	-8986 Jul 19 j 18:38	2°♒25'02	
	-8986 Sep 11 j 07:14	30°℞♓	
min. Earth dist.	-8986 Sep 23 j 08:52	29°♓01'09	8.09642 AU
opposition	-8986 Sep 24 j 05:43	28°♓56'50	-2°58'13
direct	-8986 Nov 30 j 14:28	25°♓27'01	
	-8985 Feb 13 j 16:46	0°♒	
evening set	-8985 Mar 16 j 18:30	3°♒39'48	
conjunction	-8985 Apr 03 j 18:42	5°♒57'10	-2°18'11
minimum elong	-8985 Apr 03 j 18:45	5°♒57'10	2°18'41
max. Earth dist.	-8985 Apr 04 j 21:17	6°♒05'40	10.17187 AU
morning rise	-8985 Apr 21 j 16:25	8°♒13'36	
	-8985 Jun 27 j 23:14	15°♒	
retrograde	-8985 Aug 02 j 07:16	16°♒08'13	
	-8985 Sep 07 j 00:53	15°℞♒	
opposition	-8985 Oct 07 j 22:55	12°♒42'07	-2°43'49
min. Earth dist.	-8985 Oct 07 j 03:19	12°♒46'07	8.25373 AU
direct	-8985 Dec 15 j 01:38	9°♒13'03	
	-8984 Mar 11 j 08:48	15°♒	
evening set	-8984 Mar 30 j 06:53	17°♒15'12	
conjunction	-8984 Apr 17 j 04:57	19°♒29'18	-2°03'29
minimum elong	-8984 Apr 17 j 05:01	19°♒29'19	2°03'54
max. Earth dist.	-8984 Apr 18 j 04:41	19°♒36'45	10.33733 AU
morning rise	-8984 May 04 j 23:21	21°♒42'08	
retrograde	-8984 Aug 14 j 08:43	29°♒21'15	
opposition	-8984 Oct 20 j 05:54	25°♒57'19	-2°21'07
min. Earth dist.	-8984 Oct 19 j 12:32	26°♒00'48	8.42355 AU
direct	-8984 Dec 28 j 02:44	22°♒29'17	
	-8983 Apr 10 j 10:42	0°♓	
evening set	-8983 Apr 13 j 04:52	0°♓19'52	
conjunction	-8983 May 01 j 00:18	2°♓30'36	-1°42'49
minimum elong	-8983 May 01 j 00:22	2°♓30'37	1°43'08
max. Earth dist.	-8983 May 01 j 20:15	2°♓36'44	10.51042 AU
morning rise	-8983 May 18 j 15:07	4°♓39'52	
retrograde	-8983 Aug 26 j 21:46	12°♓04'18	
opposition	-8983 Nov 02 j 03:02	8°♓42'30	-1°52'15
min. Earth dist.	-8983 Nov 01 j 13:27	8°♓45'11	8.59631 AU
direct	-8982 Jan 10 j 17:42	5°♓15'39	
evening set	-8982 Apr 26 j 12:53	12°♓54'39	
conjunction	-8982 May 14 j 05:04	15°♓02'02	-1°17'51
minimum elong	-8982 May 14 j 05:08	15°♓02'03	1°18'03
max. Earth dist.	-8982 May 14 j 19:49	15°♓06'30	10.68165 AU
morning rise	-8982 May 31 j 16:06	17°♓07'52	
retrograde	-8982 Sep 08 j 00:22	24°♓19'12	
opposition	-8982 Nov 14 j 15:05	20°♓59'22	-1°19'20
min. Earth dist.	-8982 Nov 14 j 06:15	21°♓01'05	8.76305 AU
direct	-8981 Jan 23 j 22:08	17°♓33'48	
evening set	-8981 May 09 j 07:42	25°♓01'52	
conjunction	-8981 May 26 j 20:10	27°♓06'06	-0°50'09
minimum elong	-8981 May 26 j 20:12	27°♓06'07	0°50'15
max. Earth dist.	-8981 May 27 j 04:18	27°♓08'31	10.84248 AU
morning rise	-8981 Jun 13 j 03:22	29°♓08'46	
	-8981 Jun 20 j 13:31	0°♈	
retrograde	-8981 Sep 19 j 17:31	6°♈09'03	
opposition	-8981 Nov 26 j 19:18	2°♈50'57	-0°44'11
min. Earth dist.	-8981 Nov 26 j 15:05	2°♈51'45	8.91585 AU
	-8980 Jan 10 j 07:04	30°℞♓	
direct	-8980 Feb 05 j 16:30	29°♓26'43	
	-8980 Mar 03 j 01:09	0°♈	
evening set	-8980 May 20 j 14:34	6°♈44'59	
conjunction	-8980 Jun 06 j 23:07	8°♈46'23	-0°21'09
minimum elong	-8980 Jun 06 j 23:08	8°♈46'23	0°21'08
max. Earth dist.	-8980 Jun 07 j 00:58	8°♈46'55	10.98578 AU
morning rise	-8980 Jun 24 j 02:27	10°♈46'14	
retrograde	-8980 Sep 30 j 04:08	17°♈37'48	
opposition	-8980 Dec 07 j 16:56	14°♈21'07	-0°08'22
min. Earth dist.	-8980 Dec 07 j 16:38	14°♈21'11	9.04852 AU
direct	-8979 Feb 17 j 03:23	10°♈58'11	
asc. node	-8979 Mar 05 j 14:07	11°♈11'10	
evening set	-8979 Jun 01 j 11:34	18°♈08'09	
conjunction	-8979 Jun 18 j 16:07	20°♈07'01	0°08'04
minimum elong	-8979 Jun 18 j 16:07	20°♈07'01	0°08'12
behind sun begin	-8979 Jun 18 j 09:52	20°♈05'13	
behind sun end	-8979 Jun 18 j 22:23	20°♈08'49	
max. Earth dist.	-8979 Jun 18 j 13:08	20°♈06'11	11.10655 AU
morning rise	-8979 Jul 05 j 15:25	22°♈04'26	
retrograde	-8979 Oct 11 j 11:56	28°♈49'32	
opposition	-8979 Dec 19 j 09:33	25°♈33'58	0°26'49
min. Earth dist.	-8979 Dec 19 j 13:34	25°♈33'13	9.15695 AU
direct	-8978 Mar 01 j 04:36	22°♈12'14	
evening set	-8978 Jun 13 j 00:26	29°♈15'23	
	-8978 Jun 19 j 13:42	0°♉	
conjunction	-8978 Jun 30 j 00:51	1°♉12'07	0°36'18
minimum elong	-8978 Jun 30 j 00:49	1°♉12'07	0°36'32
max. Earth dist.	-8978 Jun 29 j 17:10	1°♉09'55	11.20134 AU
morning rise	-8978 Jul 16 j 20:13	3°♉07'31	
retrograde	-8978 Oct 22 j 14:13	9°♉48'21	
opposition	-8978 Dec 30 j 22:58	6°♉33'32	1°00'17
min. Earth dist.	-8978 Dec 31 j 07:44	6°♉31'55	9.23827 AU
direct	-8977 Mar 12 j 22:55	3°♉12'49	
evening set	-8977 Jun 24 j 06:43	10°♉10'45	
conjunction	-8977 Jul 11 j 02:55	12°♉05'44	1°02'48
minimum elong	-8977 Jul 11 j 02:52	12°♉05'43	1°03'07
max. Earth dist.	-8977 Jul 10 j 13:58	12°♉02'02	11.26769 AU
morning rise	-8977 Jul 27 j 18:49	13°♉59'34	
	-8977 Aug 05 j 21:36	15°♉	
retrograde	-8977 Nov 02 j 15:53	20°♉38'21	
opposition	-8976 Jan 11 j 10:18	17°♉23'53	1°31'07
min. Earth dist.	-8976 Jan 11 j 23:13	17°♉21'31	9.29025 AU
	-8976 Feb 17 j 03:46	15°℞♉	
direct	-8976 Mar 23 j 14:23	14°♉03'58	
	-8976 Apr 27 j 12:22	15°♉	
evening set	-8976 Jul 04 j 08:15	20°♉58'18	
max. Earth dist.	-8976 Jul 20 j 07:28	22°♉47'05	11.30387 AU
conjunction	-8976 Jul 21 j 00:36	22°♉51'59	1°26'48
minimum elong	-8976 Jul 21 j 00:33	22°♉51'59	1°27'12
morning rise	-8976 Aug 06 j 13:25	24°♉44'44	
	-8976 Oct 02 j 00:01	0°♊	
retrograde	-8976 Nov 12 j 17:07	1°♊23'32	
	-8976 Dec 25 j 18:48	30°℞♉	
opposition	-8975 Jan 21 j 20:46	28°♉09'01	1°58'30
min. Earth dist.	-8975 Jan 22 j 12:24	28°♉06'11	9.31139 AU
direct	-8975 Apr 04 j 01:09	24°♉49'44	
	-8975 Jun 29 j 15:09	0°♊	
evening set	-8975 Jul 15 j 06:39	1°♊42'05	
conjunction	-8975 Jul 31 j 19:46	3°♊34'58	1°47'38
minimum elong	-8975 Jul 31 j 19:43	3°♊34'57	1°48'07
max. Earth dist.	-8975 Jul 31 j 00:11	3°♊29'21	11.30882 AU
morning rise	-8975 Aug 17 j 05:49	5°♊27'06	

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

retrograde	-8975 Nov 23 j 23:03	12°♊08'00	
opposition	-8974 Feb 02 j 08:20	8°♊53'07	2°21'45
min. Earth dist.	-8974 Feb 03 j 02:23	8°♊49'50	9.30110 AU
direct	-8974 Apr 15 j 10:45	5°♊34'14	
evening set	-8974 Jul 26 j 03:42	12°♊26'11	
conjunction	-8974 Aug 11 j 14:01	14°♊18'47	2°04'44
minimum elong	-8974 Aug 11 j 13:58	14°♊18'46	2°05'16
max. Earth dist.	-8974 Aug 10 j 15:50	14°♊12'24	11.28252 AU
morning rise	-8974 Aug 27 j 22:06	16°♊10'52	
retrograde	-8974 Dec 05 j 06:04	22°♊55'51	
opposition	-8973 Feb 13 j 22:21	19°♊40'15	2°40'11
min. Earth dist.	-8973 Feb 14 j 19:07	19°♊36'29	9.25983 AU
direct	-8973 Apr 26 j 17:23	16°♊21'35	
evening set	-8973 Aug 06 j 01:17	23°♊14'44	
max. Earth dist.	-8973 Aug 21 j 08:33	25°♊00'20	11.22598 AU
conjunction	-8973 Aug 22 j 09:31	25°♊07'34	2°17'31
minimum elong	-8973 Aug 22 j 09:29	25°♊07'33	2°18'04
morning rise	-8973 Sep 07 j 16:41	27°♊00'12	
	-8973 Oct 05 j 19:14	0°♋	
retrograde	-8973 Dec 16 j 19:03	3°♋51'12	
opposition	-8972 Feb 25 j 15:52	0°♋34'35	2°53'09
min. Earth dist.	-8972 Feb 26 j 14:23	0°♋30'29	9.18887 AU
	-8972 Mar 04 j 14:25	30°℞♊	
direct	-8972 May 07 j 03:14	27°♊15'53	
	-8972 Jul 06 j 02:33	0°♋	
evening set	-8972 Aug 16 j 00:57	4°♋11'51	
max. Earth dist.	-8972 Aug 31 j 06:36	5°♋58'02	11.14083 AU
conjunction	-8972 Sep 01 j 08:14	6°♋05'33	2°25'27
minimum elong	-8972 Sep 01 j 08:12	6°♋05'32	2°26'01
morning rise	-8972 Sep 17 j 15:21	7°♋59'17	
retrograde	-8972 Dec 27 j 15:41	14°♋58'10	
opposition	-8971 Mar 08 j 14:29	11°♋40'17	2°59'59
min. Earth dist.	-8971 Mar 09 j 13:03	11°♋36'08	9.09019 AU
direct	-8971 May 18 j 15:12	8°♋21'25	
evening set	-8971 Aug 27 j 04:32	15°♋21'39	
max. Earth dist.	-8971 Sep 11 j 10:58	17°♋09'23	11.02953 AU
conjunction	-8971 Sep 12 j 12:00	17°♋16'49	2°28'02
minimum elong	-8971 Sep 12 j 12:00	17°♋16'49	2°28'35
morning rise	-8971 Sep 28 j 20:04	19°♋12'18	
retrograde	-8970 Jan 08 j 21:06	26°♋20'50	
opposition	-8970 Mar 20 j 19:36	23°♋01'26	3°00'05
min. Earth dist.	-8970 Mar 21 j 17:15	22°♋57'25	8.96684 AU
direct	-8970 May 30 j 06:56	19°♋42'13	
evening set	-8970 Sep 07 j 14:09	26°♋48'13	
conjunction	-8970 Sep 23 j 22:51	28°♋45'28	2°24'48
minimum elong	-8970 Sep 23 j 22:52	28°♋45'28	2°25'19
max. Earth dist.	-8970 Sep 22 j 22:02	28°♋38'00	10.89580 AU
	-8970 Oct 04 j 07:12	0°♌	
morning rise	-8970 Oct 10 j 09:15	0°♌43'20	
retrograde	-8969 Jan 21 j 13:18	8°♌03'04	
opposition	-8969 Apr 02 j 08:23	4°♌41'58	2°52'52
min. Earth dist.	-8969 Apr 03 j 05:10	4°♌38'05	8.82313 AU
direct	-8969 Jun 11 j 03:47	1°♌22'13	
evening set	-8969 Sep 19 j 07:30	8°♌35'21	
conjunction	-8969 Oct 05 j 18:39	10°♌35'18	2°15'24
minimum elong	-8969 Oct 05 j 18:42	10°♌35'18	2°15'53
max. Earth dist.	-8969 Oct 04 j 19:01	10°♌28'04	10.74443 AU
morning rise	-8969 Oct 22 j 08:43	12°♌36'12	
	-8969 Nov 12 j 04:21	15°♌	
retrograde	-8968 Feb 03 j 14:14	20°♌08'26	
opposition	-8968 Apr 14 j 05:46	16°♌45'31	2°37'53
min. Earth dist.	-8968 Apr 15 j 00:51	16°♌41'53	8.66443 AU
	-8968 May 08 j 15:16	15°℞♌	
direct	-8968 Jun 22 j 07:44	13°♌25'02	
	-8968 Aug 04 j 11:42	15°♌	
evening set	-8968 Sep 30 j 10:31	20°♌46'37	
max. Earth dist.	-8968 Oct 16 j 04:55	22°♌43'25	10.58124 AU
conjunction	-8968 Oct 17 j 01:23	22°♌49'47	1°59'40
minimum elong	-8968 Oct 17 j 01:27	22°♌49'48	2°00'04
morning rise	-8968 Nov 02 j 20:05	24°♌54'13	
	-8968 Dec 20 j 05:29	0°♍	
retrograde	-8967 Feb 16 j 03:25	2°♍39'59	
	-8967 Apr 17 j 17:07	30°℞♌	
opposition	-8967 Apr 27 j 12:20	29°♌15'08	2°14'59
min. Earth dist.	-8967 Apr 28 j 04:15	29°♌12'04	8.49737 AU
direct	-8967 Jul 04 j 22:11	25°♌53'48	
	-8967 Sep 13 j 14:35	0°♍	
evening set	-8967 Oct 13 j 00:59	3°♍24'52	
conjunction	-8967 Oct 29 j 20:42	5°♍31'45	1°37'39
minimum elong	-8967 Oct 29 j 20:46	5°♍31'46	1°37'58
max. Earth dist.	-8967 Oct 29 j 05:04	5°♍26'48	10.41347 AU
morning rise	-8967 Nov 15 j 20:53	7°♍40'09	
retrograde	-8966 Mar 02 j 05:51	15°♍39'52	
opposition	-8966 May 11 j 04:38	12°♍13'06	1°44'22
min. Earth dist.	-8966 May 11 j 15:47	12°♍10'55	8.32989 AU
direct	-8966 Jul 17 j 20:49	8°♍50'48	
evening set	-8966 Oct 26 j 04:37	16°♍32'07	
conjunction	-8966 Nov 12 j 05:52	18°♍43'00	1°09'52
minimum elong	-8966 Nov 12 j 05:55	18°♍43'01	1°10'03
max. Earth dist.	-8966 Nov 11 j 19:23	18°♍39'37	10.24940 AU
morning rise	-8966 Nov 29 j 12:13	20°♍55'36	
retrograde	-8965 Mar 16 j 20:06	29°♍08'58	
opposition	-8965 May 25 j 06:25	25°♍40'23	1°06'51
min. Earth dist.	-8965 May 25 j 12:23	25°♍39'12	8.17072 AU
direct	-8965 Jul 31 j 04:50	22°♍17'01	
	-8965 Nov 07 j 18:19	0°♎	
evening set	-8965 Nov 08 j 22:39	0°♎09'03	
conjunction	-8965 Nov 26 j 05:41	2°♎23'54	0°37'18
minimum elong	-8965 Nov 26 j 05:43	2°♎23'55	0°37'21
max. Earth dist.	-8965 Nov 26 j 00:46	2°♎22'18	10.09798 AU
morning rise	-8965 Dec 13 j 18:21	4°♎40'38	
retrograde	-8964 Mar 30 j 19:24	13°♎06'28	
opposition	-8964 Jun 07 j 16:46	9°♎36'19	0°24'02
min. Earth dist.	-8964 Jun 07 j 17:34	9°♎36'09	8.02910 AU
direct	-8964 Aug 13 j 00:43	6°♎11'45	
evening set	-8964 Nov 22 j 07:14	14°♎14'25	
conjunction	-8964 Dec 09 j 19:57	16°♎32'56	0°01'36
minimum elong	-8964 Dec 09 j 19:58	16°♎32'57	0°01'31
behind sun begin	-8964 Dec 09 j 12:42	16°♎30'34	
behind sun end	-8964 Dec 10 j 03:14	16°♎35'20	
max. Earth dist.	-8964 Dec 09 j 21:07	16°♎33'16	9.96834 AU
desc. node	-8964 Dec 26 j 03:33	18°♎42'01	
morning rise	-8964 Dec 27 j 14:31	18°♎53'23	
retrograde	-8963 Apr 15 j 02:16	27°♎29'33	
opposition	-8963 Jun 22 j 10:28	23°♎58'06	-0°21'41
min. Earth dist.	-8963 Jun 22 j 06:18	23°♎58'58	7.91384 AU
direct	-8963 Aug 27 j 07:04	20°♎32'18	
evening set	-8963 Dec 07 j 05:36	28°♎44'44	
	-8963 Dec 16 j 17:06	0°♏	
conjunction	-8963 Dec 24 j 23:29	1°♏06'21	-0°35'09
minimum elong	-8963 Dec 24 j 23:27	1°♏06'20	0°35'23
max. Earth dist.	-8963 Dec 25 j 07:05	1°♏08'53	9.86861 AU

Attention, astronomical year style is used: The year -8962 in astronomical counting style is the year 8963 BCE in historical counting style.

morning rise	-8962 Jan 11 j 22:56	3°♏29'45	
retrograde	-8962 Apr 30 j 14:00	12°♏13'05	
opposition	-8962 Jul 07 j 09:15	8°♏40'47	-1°07'08
min. Earth dist.	-8962 Jul 07 j 00:37	8°♏42'34	7.83205 AU
direct	-8962 Sep 10 j 22:34	5°♏13'44	
evening set	-8962 Dec 22 j 16:09	13°♏34'28	
	-8961 Jan 02 j 09:03	15°♏	
conjunction	-8961 Jan 09 j 14:13	15°♏58'15	-1°10'11
minimum elong	-8961 Jan 09 j 14:10	15°♏58'14	1°10'32
max. Earth dist.	-8961 Jan 10 j 03:56	16°♏02'52	9.80476 AU
morning rise	-8961 Jan 27 j 17:04	18°♏23'34	
retrograde	-8961 May 16 j 03:11	27°♏10'14	
opposition	-8961 Jul 22 j 10:25	23°♏37'35	-1°48'48
min. Earth dist.	-8961 Jul 21 j 21:42	23°♏40'15	7.78856 AU
direct	-8961 Sep 25 j 21:05	20°♏09'27	
evening set	-8960 Jan 07 j 11:31	28°♏36'17	
	-8960 Jan 17 j 22:45	0°♐	
conjunction	-8960 Jan 25 j 12:32	1°♐01'12	-1°40'50
minimum elong	-8960 Jan 25 j 12:28	1°♐01'10	1°41'17
max. Earth dist.	-8960 Jan 26 j 07:49	1°♐07'42	9.78113 AU
morning rise	-8960 Feb 12 j 17:08	3°♐27'14	
retrograde	-8960 May 30 j 14:28	12°♐12'53	
opposition	-8960 Aug 05 j 11:32	8°♐40'27	-2°23'14
min. Earth dist.	-8960 Aug 04 j 19:00	8°♐43'55	7.78701 AU
direct	-8960 Oct 10 j 00:51	5°♐11'27	
evening set	-8959 Jan 22 j 11:14	13°♐41'17	
conjunction	-8959 Feb 09 j 13:53	16°♐06'09	-2°04'38
minimum elong	-8959 Feb 09 j 13:49	16°♐06'07	2°05'10
max. Earth dist.	-8959 Feb 10 j 13:56	16°♐14'13	9.80075 AU
morning rise	-8959 Feb 27 j 18:42	18°♐31'39	
retrograde	-8959 Jun 14 j 19:42	27°♐11'43	
opposition	-8959 Aug 20 j 09:28	23°♐39'59	-2°47'40
min. Earth dist.	-8959 Aug 19 j 14:00	23°♐44'05	7.82876 AU
direct	-8959 Oct 25 j 06:29	20°♐10'21	
evening set	-8958 Feb 07 j 10:36	28°♐39'34	
	-8958 Feb 17 j 15:11	0°♑	
conjunction	-8958 Feb 25 j 13:42	1°♑03'16	-2°19'52
minimum elong	-8958 Feb 25 j 13:40	1°♑03'16	2°20'26
max. Earth dist.	-8958 Feb 26 j 16:57	1°♑12'20	9.86323 AU
morning rise	-8958 Mar 15 j 17:25	3°♑27'06	
retrograde	-8958 Jun 29 j 15:18	11°♑57'21	
min. Earth dist.	-8958 Sep 03 j 04:16	8°♑31'13	7.91124 AU
opposition	-8958 Sep 04 j 01:21	8°♑26'47	-3°00'31
direct	-8958 Nov 09 j 10:12	4°♑56'50	
evening set	-8957 Feb 23 j 04:23	13°♑21'46	
conjunction	-8957 Mar 13 j 06:56	15°♑43'24	-2°25'44
minimum elong	-8957 Mar 13 j 06:56	15°♑43'24	2°26'18
max. Earth dist.	-8957 Mar 14 j 11:27	15°♑52'46	9.96419 AU
morning rise	-8957 Mar 31 j 08:35	18°♑04'40	
retrograde	-8957 Jul 13 j 23:38	26°♑21'54	
opposition	-8957 Sep 18 j 09:15	22°♑52'54	-3°01'30
min. Earth dist.	-8957 Sep 17 j 12:15	22°♑57'17	8.02852 AU
direct	-8957 Nov 24 j 09:03	19°♑22'58	
evening set	-8956 Mar 09 j 12:08	27°♑40'25	
conjunction	-8956 Mar 27 j 13:18	29°♑59'19	-2°22'27
minimum elong	-8956 Mar 27 j 13:20	29°♑59'20	2°22'59
	-8956 Mar 27 j 15:24	0°♒	
max. Earth dist.	-8956 Mar 28 j 16:58	0°♒08'15	10.09639 AU
morning rise	-8956 Apr 14 j 12:17	2°♒17'26	
retrograde	-8956 Jul 26 j 19:31	10°♒19'44	
opposition	-8956 Oct 01 j 07:34	6°♒52'34	-2°51'31
min. Earth dist.	-8956 Sep 30 j 12:06	6°♒56'34	8.17247 AU
direct	-8956 Dec 08 j 00:16	3°♒23'00	
evening set	-8955 Mar 24 j 07:16	11°♒30'38	
conjunction	-8955 Apr 11 j 06:27	13°♒46'24	-2°10'58
minimum elong	-8955 Apr 11 j 06:31	13°♒46'25	2°11'26
max. Earth dist.	-8955 Apr 12 j 07:08	13°♒54'13	10.25085 AU
	-8955 Apr 20 j 23:12	15°♒	
morning rise	-8955 Apr 29 j 02:26	16°♒01'03	
retrograde	-8955 Aug 09 j 02:33	23°♒47'42	
opposition	-8955 Oct 14 j 19:27	20°♒22'32	-2°32'17
min. Earth dist.	-8955 Oct 14 j 02:31	20°♒25'58	8.33379 AU
direct	-8955 Dec 22 j 07:11	16°♒53'39	
evening set	-8954 Apr 07 j 12:17	24°♒50'09	
conjunction	-8954 Apr 25 j 08:57	27°♒02'35	-1°52'46
minimum elong	-8954 Apr 25 j 09:01	27°♒02'36	1°53'08
max. Earth dist.	-8954 Apr 26 j 05:14	27°♒08'53	10.41793 AU
morning rise	-8954 May 13 j 01:37	29°♒13'40	
	-8954 May 19 j 11:27	0°♓	
retrograde	-8954 Aug 21 j 19:01	6°♓45'09	
opposition	-8954 Oct 27 j 21:16	3°♓22'00	-2°05'55
min. Earth dist.	-8954 Oct 27 j 07:08	3°♓24'49	8.50303 AU
	-8954 Dec 25 j 12:04	30°℞♒	
direct	-8953 Jan 05 j 04:53	29°♒54'06	
	-8953 Jan 15 j 20:43	0°♓	
evening set	-8953 Apr 21 j 02:44	7°♓38'57	
conjunction	-8953 May 08 j 20:26	9°♓48'01	-1°29'30
minimum elong	-8953 May 08 j 20:29	9°♓48'02	1°29'46
max. Earth dist.	-8953 May 09 j 11:57	9°♓52'46	10.58830 AU
morning rise	-8953 May 26 j 09:27	11°♓55'36	
retrograde	-8953 Sep 03 j 01:58	19°♓13'15	
opposition	-8953 Nov 09 j 13:29	15°♓52'01	-1°34'32
min. Earth dist.	-8953 Nov 09 j 02:13	15°♓54'14	8.67139 AU
direct	-8952 Jan 18 j 14:51	12°♓25'19	
evening set	-8952 May 03 j 03:23	19°♓58'48	
conjunction	-8952 May 20 j 17:46	22°♓04'39	-1°02'49
minimum elong	-8952 May 20 j 17:48	22°♓04'40	1°02'58
max. Earth dist.	-8952 May 21 j 04:58	22°♓08'00	10.75363 AU
morning rise	-8952 Jun 07 j 02:52	24°♓08'54	
	-8952 Aug 07 j 00:40	0°♈	
retrograde	-8952 Sep 14 j 00:48	1°♈14'29	
	-8952 Oct 22 j 16:29	30°℞♓	
opposition	-8952 Nov 20 j 21:04	27°♓55'02	-1°00'07
min. Earth dist.	-8952 Nov 20 j 13:45	27°♓56'27	8.83119 AU
direct	-8951 Jan 30 j 12:30	24°♓29'38	
	-8951 Apr 28 j 22:06	0°♈	
evening set	-8951 May 15 j 15:34	1°♈52'39	
conjunction	-8951 Jun 02 j 02:12	3°♈55'29	-0°34'12
minimum elong	-8951 Jun 02 j 02:14	3°♈55'30	0°34'14
max. Earth dist.	-8951 Jun 02 j 08:28	3°♈57'20	10.90670 AU
morning rise	-8951 Jun 19 j 07:18	5°♈56'44	
retrograde	-8951 Sep 25 j 13:59	12°♈52'19	
opposition	-8951 Dec 02 j 21:36	9°♈34'29	-0°24'22
min. Earth dist.	-8951 Dec 02 j 19:02	9°♈34'58	8.97586 AU
direct	-8950 Feb 12 j 02:18	6°♈10'24	
evening set	-8950 May 27 j 16:55	13°♈24'15	
conjunction	-8950 Jun 13 j 23:22	15°♈24'19	-0°05'00
minimum elong	-8950 Jun 13 j 23:22	15°♈24'19	0°04'55
behind sun begin	-8950 Jun 13 j 16:28	15°♈22'20	
behind sun end	-8950 Jun 14 j 06:16	15°♈26'18	
max. Earth dist.	-8950 Jun 13 j 23:46	15°♈24'25	11.04156 AU
morning rise	-8950 Jul 01 j 00:30	17°♈22'53	

Attention, astronomical year style is used: The year -8950 in astronomical counting style is the year 8951 BCE in historical counting style.

asc. node	-8950 Aug 17 j 07:54	22°♈05'39	
retrograde	-8950 Oct 06 j 21:47	24°♈10'46	
opposition	-8950 Dec 14 j 16:20	20°♈54'15	0°11'16
min. Earth dist.	-8950 Dec 14 j 18:12	20°♈53'54	9.10011 AU
direct	-8949 Feb 24 j 07:34	17°♈31'31	
evening set	-8949 Jun 08 j 09:04	24°♈37'38	
conjunction	-8949 Jun 25 j 11:16	26°♈35'19	0°23'51
minimum elong	-8949 Jun 25 j 11:15	26°♈35'19	0°24'03
max. Earth dist.	-8949 Jun 25 j 06:05	26°♈33'50	11.15363 AU
morning rise	-8949 Jul 12 j 08:35	28°♈31'37	
	-8949 Jul 25 j 16:42	0°♉	
retrograde	-8949 Oct 18 j 00:57	5°♉14'03	
opposition	-8949 Dec 26 j 06:42	1°♉58'33	0°45'38
min. Earth dist.	-8949 Dec 26 j 12:02	1°♉57'34	9.19975 AU
	-8948 Jan 23 j 20:59	30°℞♈	
direct	-8948 Mar 07 j 05:40	28°♈37'05	
	-8948 Apr 18 j 20:46	0°♉	
evening set	-8948 Jun 18 j 17:40	5°♉37'02	
conjunction	-8948 Jul 05 j 15:50	7°♉32'45	0°51'14
minimum elong	-8948 Jul 05 j 15:48	7°♉32'44	0°51'31
max. Earth dist.	-8948 Jul 05 j 06:47	7°♉30'09	11.23921 AU
morning rise	-8948 Jul 22 j 09:22	9°♉27'13	
	-8948 Sep 21 j 07:15	15°♉	
retrograde	-8948 Oct 28 j 04:24	16°♉06'26	
	-8948 Dec 04 j 21:37	15°℞♉	
opposition	-8947 Jan 05 j 18:19	12°♉51'39	1°17'44
min. Earth dist.	-8947 Jan 06 j 03:10	12°♉50'02	9.27143 AU
direct	-8947 Mar 18 j 22:11	9°♉31'18	
	-8947 Jun 16 j 15:05	15°♉	
evening set	-8947 Jun 29 j 20:53	16°♉26'45	
conjunction	-8947 Jul 16 j 15:05	18°♉20'55	1°16'25
minimum elong	-8947 Jul 16 j 15:02	18°♉20'55	1°16'48
max. Earth dist.	-8947 Jul 16 j 02:16	18°♉17'15	11.29550 AU
morning rise	-8947 Aug 02 j 05:05	20°♉14'01	
retrograde	-8947 Nov 08 j 05:23	26°♉52'09	
opposition	-8946 Jan 17 j 04:46	23°♉37'44	1°46'43
min. Earth dist.	-8946 Jan 17 j 17:51	23°♉35'21	9.31300 AU
direct	-8946 Mar 30 j 08:39	20°♉18'19	
evening set	-8946 Jul 10 j 20:23	27°♉10'57	
conjunction	-8946 Jul 27 j 10:48	29°♉04'00	1°38'44
minimum elong	-8946 Jul 27 j 10:45	29°♉04'00	1°39'11
max. Earth dist.	-8946 Jul 26 j 17:23	28°♉59'02	11.32098 AU
	-8946 Aug 04 j 14:54	0°♊	
morning rise	-8946 Aug 12 j 21:59	0°♊56'14	
retrograde	-8946 Nov 19 j 08:07	7°♊35'25	
opposition	-8945 Jan 28 j 15:34	4°♊21'00	2°11'51
min. Earth dist.	-8945 Jan 29 j 08:06	4°♊18'00	9.32329 AU
direct	-8945 Apr 10 j 18:31	1°♊02'17	
evening set	-8945 Jul 21 j 17:34	7°♊53'40	
max. Earth dist.	-8945 Aug 06 j 08:25	9°♊40'16	11.31492 AU
conjunction	-8945 Aug 07 j 04:54	9°♊46'09	1°57'33
minimum elong	-8945 Aug 07 j 04:51	9°♊46'08	1°58'04
morning rise	-8945 Aug 23 j 13:52	11°♊38'02	
retrograde	-8945 Nov 30 j 13:29	18°♊20'16	
opposition	-8944 Feb 09 j 03:51	15°♊05'28	2°32'28
min. Earth dist.	-8944 Feb 09 j 22:27	15°♊02'06	9.30174 AU
direct	-8944 Apr 21 j 02:36	11°♊47'13	
evening set	-8944 Jul 31 j 14:27	18°♊38'57	
conjunction	-8944 Aug 16 j 23:32	20°♊31'23	2°12'19
minimum elong	-8944 Aug 16 j 23:30	20°♊31'22	2°12'51
max. Earth dist.	-8944 Aug 16 j 01:28	20°♊25'01	11.27718 AU
morning rise	-8944 Sep 02 j 06:51	22°♊23'27	
retrograde	-8944 Dec 11 j 00:59	29°♊10'41	
opposition	-8943 Feb 19 j 19:01	25°♊55'09	2°47'54
min. Earth dist.	-8943 Feb 20 j 15:13	25°♊51'29	9.24863 AU
direct	-8943 May 02 j 11:15	22°♊37'06	
evening set	-8943 Aug 11 j 12:42	29°♊30'45	
	-8943 Aug 15 j 19:03	0°♋	
conjunction	-8943 Aug 27 j 20:15	1°♋23'44	2°22'27
minimum elong	-8943 Aug 27 j 20:14	1°♋23'43	2°23'01
max. Earth dist.	-8943 Aug 26 j 20:00	1°♋16'40	11.20853 AU
morning rise	-8943 Sep 13 j 03:00	3°♋16'36	
retrograde	-8943 Dec 22 j 17:38	10°♋10'41	
opposition	-8942 Mar 03 j 14:52	6°♋54'04	2°57'32
min. Earth dist.	-8942 Mar 04 j 12:59	6°♋50'02	9.16508 AU
direct	-8942 May 13 j 19:47	3°♋35'59	
evening set	-8942 Aug 22 j 13:55	10°♋33'05	
conjunction	-8942 Sep 07 j 20:54	12°♋27'12	2°27'29
minimum elong	-8942 Sep 07 j 20:54	12°♋27'12	2°28'02
max. Earth dist.	-8942 Sep 06 j 18:45	12°♋19'31	11.11056 AU
morning rise	-8942 Sep 24 j 04:19	14°♋21'31	
retrograde	-8941 Jan 03 j 16:58	21°♋24'21	
opposition	-8941 Mar 15 j 16:25	18°♋06'21	3°00'43
min. Earth dist.	-8941 Mar 16 j 15:40	18°♋02'04	9.05309 AU
direct	-8941 May 25 j 09:47	14°♋47'56	
evening set	-8941 Sep 02 j 20:04	21°♋50'08	
max. Earth dist.	-8941 Sep 18 j 01:47	23°♋38'16	10.98589 AU
conjunction	-8941 Sep 19 j 03:51	23°♋46'03	2°26'56
minimum elong	-8941 Sep 19 j 03:52	23°♋46'03	2°27'28
morning rise	-8941 Oct 05 j 13:00	25°♋42'27	
	-8941 Nov 15 j 08:16	0°♌	
retrograde	-8940 Jan 16 j 03:19	2°♌55'47	
	-8940 Mar 21 j 15:30	30°℞♋	
opposition	-8940 Mar 27 j 00:42	29°♋36'06	2°56'54
min. Earth dist.	-8940 Mar 27 j 23:17	29°♋31'55	8.91625 AU
direct	-8940 Jun 05 j 04:38	26°♋17'10	
	-8940 Aug 13 j 04:32	0°♌	
evening set	-8940 Sep 13 j 09:02	3°♌25'56	
conjunction	-8940 Sep 29 j 18:53	5°♌24'17	2°20'24
minimum elong	-8940 Sep 29 j 18:55	5°♌24'18	2°20'54
max. Earth dist.	-8940 Sep 28 j 18:21	5°♌16'51	10.83902 AU
morning rise	-8940 Oct 16 j 06:52	7°♌23'26	
retrograde	-8939 Jan 27 j 23:39	14°♌48'46	
opposition	-8939 Apr 08 j 17:18	11°♌27'11	2°45'34
min. Earth dist.	-8939 Apr 09 j 13:45	11°♌23'21	8.75996 AU
direct	-8939 Jun 17 j 04:20	8°♌07'31	
	-8939 Sep 21 j 22:04	15°♌	
evening set	-8939 Sep 25 j 06:40	15°♌24'10	
conjunction	-8939 Oct 11 j 19:39	17°♌25'33	2°07'37
minimum elong	-8939 Oct 11 j 19:42	17°♌25'34	2°08'03
max. Earth dist.	-8939 Oct 10 j 20:57	17°♌18'33	10.67611 AU
morning rise	-8939 Oct 28 j 11:48	19°♌28'01	
retrograde	-8938 Feb 10 j 07:47	27°♌06'33	
opposition	-8938 Apr 21 j 19:02	23°♌42'55	2°26'24
min. Earth dist.	-8938 Apr 22 j 12:52	23°♌39'31	8.59101 AU
direct	-8938 Jun 29 j 13:03	20°♌22'17	
evening set	-8938 Oct 07 j 15:03	27°♌48'00	
conjunction	-8938 Oct 24 j 08:13	29°♌52'55	1°48'32
minimum elong	-8938 Oct 24 j 08:17	29°♌52'57	1°48'53
max. Earth dist.	-8938 Oct 23 j 12:04	29°♌46'36	10.50434 AU
	-8938 Oct 25 j 06:47	0°♍	
morning rise	-8938 Nov 10 j 05:42	1°♍59'15	

Attention, astronomical year style is used: The year -8937 in astronomical counting style is the year 8938 BCE in historical counting style.

retrograde	-8937 Feb 24 j 03:22	9°♑51'38	
opposition	-8937 May 05 j 06:08	6°♑25'54	1°59'24
min. Earth dist.	-8937 May 05 j 20:57	6°♑23'01	8.41715 AU
direct	-8937 Jul 12 j 06:01	3°♑04'05	
evening set	-8937 Oct 20 j 11:41	10°♑39'55	
conjunction	-8937 Nov 06 j 10:04	12°♑48'44	1°23'25
minimum elong	-8937 Nov 06 j 10:08	12°♑48'45	1°23'40
max. Earth dist.	-8937 Nov 05 j 18:25	12°♑43'44	10.33173 AU
morning rise	-8937 Nov 23 j 13:34	14°♑59'15	
retrograde	-8936 Mar 09 j 10:02	23°♑05'40	
opposition	-8936 May 18 j 02:53	19°♑37'50	1°25'05
min. Earth dist.	-8936 May 18 j 13:35	19°♑35'43	8.24696 AU
direct	-8936 Jul 24 j 09:54	16°♑14'46	
evening set	-8936 Nov 01 j 21:58	24°♑01'20	
conjunction	-8936 Nov 19 j 02:11	26°♑14'15	0°53'01
minimum elong	-8936 Nov 19 j 02:13	26°♑14'16	0°53'07
max. Earth dist.	-8936 Nov 18 j 16:38	26°♑11'09	10.16706 AU
morning rise	-8936 Dec 06 j 11:54	28°♑29'00	
	-8936 Dec 18 j 15:34	0°♎	
retrograde	-8935 Mar 24 j 03:10	6°♎48'51	
opposition	-8935 Jun 01 j 08:48	3°♎19'06	0°44'37
min. Earth dist.	-8935 Jun 01 j 14:04	3°♎18'03	8.08971 AU
	-8935 Jul 28 j 08:35	30°℞♑	
direct	-8935 Aug 07 j 01:24	29°♑54'42	
	-8935 Aug 16 j 15:34	0°♎	
evening set	-8935 Nov 15 j 22:57	7°♎52'15	
conjunction	-8935 Dec 03 j 09:08	10°♎09'09	0°18'37
minimum elong	-8935 Dec 03 j 09:09	10°♎09'09	0°18'35
max. Earth dist.	-8935 Dec 03 j 06:30	10°♎08'17	10.01980 AU
morning rise	-8935 Dec 21 j 00:56	12°♎27'55	
retrograde	-8934 Apr 08 j 06:23	20°♎59'37	
opposition	-8934 Jun 15 j 22:50	17°♎28'15	-0°00'02
desc. node	-8934 Jun 15 j 17:22	17°♎29'22	
min. Earth dist.	-8934 Jun 15 j 22:11	17°♎28'23	7.95492 AU
direct	-8934 Aug 21 j 01:56	14°♎02'31	
evening set	-8934 Nov 30 j 14:40	22°♎10'40	
conjunction	-8934 Dec 18 j 06:25	24°♎31'04	-0°17'57
minimum elong	-8934 Dec 18 j 06:24	24°♎31'04	0°18'07
max. Earth dist.	-8934 Dec 18 j 10:52	24°♎32'33	9.89919 AU
morning rise	-8933 Jan 05 j 03:37	26°♎53'19	
	-8933 Jan 30 j 01:58	0°♏	
retrograde	-8933 Apr 23 j 17:08	5°♏34'12	
opposition	-8933 Jun 30 j 19:22	2°♏01'38	-0°46'02
min. Earth dist.	-8933 Jun 30 j 12:54	2°♏02'59	7.85133 AU
	-8933 Jul 26 j 23:36	30°℞♎	
direct	-8933 Sep 04 j 12:04	28°♎34'36	
	-8933 Oct 13 j 05:47	0°♏	
evening set	-8933 Dec 15 j 19:49	6°♏52'12	
conjunction	-8932 Jan 02 j 16:11	9°♏15'18	-0°54'06
minimum elong	-8932 Jan 02 j 16:08	9°♏15'17	0°54'24
max. Earth dist.	-8932 Jan 03 j 03:25	9°♏19'05	9.81341 AU
morning rise	-8932 Jan 20 j 17:31	11°♏40'04	
	-8932 Feb 16 j 07:32	15°♏	
retrograde	-8932 May 08 j 07:08	20°♏26'30	
opposition	-8932 Jul 14 j 19:57	16°♏53'17	-1°29'58
min. Earth dist.	-8932 Jul 14 j 08:25	16°♏55'42	7.78628 AU
	-8932 Aug 07 j 16:38	15°℞♏	
direct	-8932 Sep 18 j 06:57	13°♏25'03	
	-8932 Oct 29 j 04:01	15°♏	
evening set	-8932 Dec 30 j 11:41	21°♏50'03	
conjunction	-8931 Jan 17 j 11:31	24°♏14'49	-1°27'09
minimum elong	-8931 Jan 17 j 11:27	24°♏14'48	1°27'34
max. Earth dist.	-8931 Jan 18 j 04:55	24°♏20'42	9.76895 AU
morning rise	-8931 Feb 04 j 15:29	26°♏40'55	
	-8931 Mar 03 j 00:18	0°♐	
retrograde	-8931 May 23 j 20:44	5°♐28'29	
opposition	-8931 Jul 29 j 21:52	1°♐55'10	-2°08'14
min. Earth dist.	-8931 Jul 29 j 06:19	1°♐58'27	7.76473 AU
	-8931 Aug 23 j 01:17	30°℞♏	
direct	-8931 Oct 03 j 08:44	28°♏25'56	
	-8931 Nov 13 j 02:42	0°♐	
evening set	-8930 Jan 15 j 10:16	6°♐55'27	
conjunction	-8930 Feb 02 j 12:18	9°♐20'41	-1°54'27
minimum elong	-8930 Feb 02 j 12:13	9°♐20'40	1°54'58
max. Earth dist.	-8930 Feb 03 j 10:50	9°♐28'16	9.76932 AU
morning rise	-8930 Feb 20 j 17:18	11°♐46'49	
retrograde	-8930 Jun 08 j 05:44	20°♐30'46	
opposition	-8930 Aug 13 j 21:59	16°♐57'59	-2°37'39
min. Earth dist.	-8930 Aug 13 j 03:30	17°♐01'53	7.78828 AU
direct	-8930 Oct 18 j 14:33	13°♐28'00	
evening set	-8929 Jan 31 j 10:46	21°♐58'32	
conjunction	-8929 Feb 18 j 13:43	24°♐23'04	-2°13'52
minimum elong	-8929 Feb 18 j 13:40	24°♐23'03	2°14'25
max. Earth dist.	-8929 Feb 19 j 15:50	24°♐31'48	9.81456 AU
morning rise	-8929 Mar 08 j 18:14	26°♐48'00	
	-8929 Apr 03 j 09:19	0°♑	
retrograde	-8929 Jun 23 j 05:41	5°♑23'50	
opposition	-8929 Aug 28 j 17:16	1°♑52'09	-2°56'02
min. Earth dist.	-8929 Aug 27 j 20:55	1°♑56'26	7.85512 AU
	-8929 Sep 21 j 03:56	30°℞♐	
direct	-8929 Nov 02 j 20:06	28°♐21'48	
	-8929 Dec 15 j 01:25	0°♑	
evening set	-8928 Feb 16 j 07:50	6°♑49'37	
conjunction	-8928 Mar 05 j 10:39	9°♑12'27	-2°24'08
minimum elong	-8928 Mar 05 j 10:38	9°♑12'27	2°24'43
max. Earth dist.	-8928 Mar 06 j 14:38	9°♑21'42	9.90140 AU
morning rise	-8928 Mar 23 j 13:34	11°♑35'10	
retrograde	-8928 Jul 06 j 19:10	19°♑59'15	
min. Earth dist.	-8928 Sep 10 j 08:03	16°♑33'35	7.96039 AU
opposition	-8928 Sep 11 j 05:23	16°♑29'07	-3°02'28
direct	-8928 Nov 16 j 22:01	12°♑58'49	
evening set	-8927 Mar 02 j 20:47	21°♑20'28	
conjunction	-8927 Mar 20 j 22:41	23°♑40'49	-2°25'01
minimum elong	-8927 Mar 20 j 22:43	23°♑40'50	2°25'34
max. Earth dist.	-8927 Mar 22 j 02:56	23°♑50'01	10.02358 AU
morning rise	-8927 Apr 07 j 23:15	26°♑00'36	
	-8927 May 11 j 14:16	0°♒	
retrograde	-8927 Jul 20 j 21:07	4°♒10'25	
min. Earth dist.	-8927 Sep 24 j 11:07	0°♒46'36	8.09659 AU
opposition	-8927 Sep 25 j 08:29	0°♒42'11	-2°57'22
	-8927 Oct 03 j 22:00	30°℞♑	
direct	-8927 Dec 01 j 17:30	27°♑12'19	
	-8926 Jan 28 j 04:59	0°♒	
evening set	-8926 Mar 17 j 22:31	5°♒25'05	
conjunction	-8926 Apr 04 j 22:50	7°♒42'27	-2°17'09
minimum elong	-8926 Apr 04 j 22:53	7°♒42'28	2°17'38
max. Earth dist.	-8926 Apr 06 j 01:53	7°♒51'06	10.17258 AU
morning rise	-8926 Apr 22 j 20:24	9°♒58'50	
	-8926 Jun 06 j 16:51	15°♒	
retrograde	-8926 Aug 03 j 10:51	17°♒53'09	
	-8926 Oct 02 j 07:21	15°℞♒	
min. Earth dist.	-8926 Oct 08 j 05:39	14°♒31'06	8.25477 AU
opposition	-8926 Oct 09 j 01:32	14°♒27'03	-2°42'07

Attention, astronomical year style is used: The year -8926 in astronomical counting style is the year 8927 BCE in historical counting style.

direct	-8926 Dec 16 j 04:28	10°♒57'57	
	-8925 Feb 25 j 09:54	15°♒	
evening set	-8925 Apr 01 j 10:44	19°♒00'03	
conjunction	-8925 Apr 19 j 08:50	21°♒14'07	-2°01'48
minimum elong	-8925 Apr 19 j 08:53	21°♒14'08	2°02'13
max. Earth dist.	-8925 Apr 20 j 09:10	21°♒21'45	10.33891 AU
morning rise	-8925 May 07 j 03:02	23°♒26'54	
	-8925 Jul 12 j 13:30	0°♓	
retrograde	-8925 Aug 16 j 11:21	1°♓05'40	
	-8925 Sep 20 j 18:37	30°♑♒	
opposition	-8925 Oct 22 j 08:33	27°♒41'48	-2°18'42
min. Earth dist.	-8925 Oct 21 j 15:29	27°♒45'13	8.42547 AU
direct	-8925 Dec 30 j 05:56	24°♒13'45	
	-8924 Mar 27 j 15:41	0°♓	
evening set	-8924 Apr 14 j 08:23	2°♓04'13	
conjunction	-8924 May 02 j 03:41	4°♓14'53	-1°40'37
minimum elong	-8924 May 02 j 03:45	4°♓14'54	1°40'56
max. Earth dist.	-8924 May 02 j 23:48	4°♓21'04	10.51291 AU
morning rise	-8924 May 19 j 18:20	6°♓24'05	
retrograde	-8924 Aug 28 j 00:22	13°♓48'12	
opposition	-8924 Nov 03 j 05:40	10°♓26'29	-1°49'17
min. Earth dist.	-8924 Nov 02 j 16:36	10°♓29'04	8.59931 AU
direct	-8923 Jan 11 j 20:29	6°♓59'40	
evening set	-8923 Apr 27 j 16:04	14°♓38'29	
conjunction	-8923 May 15 j 08:01	16°♓45'48	-1°15'15
minimum elong	-8923 May 15 j 08:05	16°♓45'49	1°15'27
max. Earth dist.	-8923 May 15 j 22:13	16°♓50'05	10.68532 AU
morning rise	-8923 Jun 01 j 18:59	18°♓51'33	
retrograde	-8923 Sep 09 j 02:03	26°♓02'33	
opposition	-8923 Nov 15 j 17:28	22°♓42'49	-1°15'59
min. Earth dist.	-8923 Nov 15 j 08:29	22°♓44'33	8.76740 AU
direct	-8922 Jan 25 j 00:55	19°♓17'19	
evening set	-8922 May 10 j 10:30	26°♓45'07	
conjunction	-8922 May 27 j 22:45	28°♓49'15	-0°47'19
minimum elong	-8922 May 27 j 22:48	28°♓49'16	0°47'24
max. Earth dist.	-8922 May 28 j 06:47	28°♓51'38	10.84765 AU
	-8922 Jun 06 j 21:09	0°♈	
morning rise	-8922 Jun 14 j 05:51	0°♈51'50	
retrograde	-8922 Sep 20 j 18:34	7°♈51'46	
opposition	-8922 Nov 27 j 21:28	4°♈33'44	-0°40'37
min. Earth dist.	-8922 Nov 27 j 16:24	4°♈34'42	8.92172 AU
direct	-8921 Feb 06 j 20:53	1°♈09'36	
evening set	-8921 May 22 j 16:54	8°♈27'30	
conjunction	-8921 Jun 09 j 01:18	10°♈28'45	-0°18'13
minimum elong	-8921 Jun 09 j 01:19	10°♈28'45	0°18'10
max. Earth dist.	-8921 Jun 09 j 04:04	10°♈29'33	10.99244 AU
morning rise	-8921 Jun 26 j 04:19	12°♈28'27	
retrograde	-8921 Oct 02 j 06:49	19°♈19'39	
opposition	-8921 Dec 09 j 18:56	16°♈03'03	-0°04'46
min. Earth dist.	-8921 Dec 09 j 18:08	16°♈03'12	9.05570 AU
asc. node	-8920 Jan 28 j 16:53	13°♈02'03	
direct	-8920 Feb 19 j 05:15	12°♈40'15	
evening set	-8920 Jun 02 j 13:25	19°♈49'44	
conjunction	-8920 Jun 19 j 17:43	21°♈48'28	0°10'59
minimum elong	-8920 Jun 19 j 17:43	21°♈48'28	0°11'08
behind sun begin	-8920 Jun 19 j 12:27	21°♈46'57	
behind sun end	-8920 Jun 19 j 22:59	21°♈49'58	
max. Earth dist.	-8920 Jun 19 j 15:32	21°♈47'50	11.11422 AU
morning rise	-8920 Jul 06 j 16:40	23°♈45'43	
	-8920 Sep 17 j 23:13	0°♉	
retrograde	-8920 Oct 12 j 12:15	0°♉30'25	
	-8920 Nov 06 j 08:20	30°♑♈	
opposition	-8920 Dec 20 j 11:18	27°♈14'58	0°30'19
min. Earth dist.	-8920 Dec 20 j 15:41	27°♈14'09	9.16498 AU
direct	-8919 Mar 02 j 05:38	23°♈53'21	
	-8919 Jun 05 j 15:48	0°♉	
evening set	-8919 Jun 14 j 01:49	0°♉56'03	
conjunction	-8919 Jul 01 j 01:50	2°♉52'37	0°39'05
minimum elong	-8919 Jul 01 j 01:49	2°♉52'36	0°39'20
max. Earth dist.	-8919 Jun 30 j 17:45	2°♉50'17	11.20955 AU
morning rise	-8919 Jul 17 j 21:01	4°♉47'52	
retrograde	-8919 Oct 23 j 15:12	11°♉28'21	
opposition	-8918 Jan 01 j 00:23	8°♉13'39	1°03'33
min. Earth dist.	-8918 Jan 01 j 09:20	8°♉12'00	9.24665 AU
direct	-8918 Mar 14 j 01:30	4°♉53'03	
evening set	-8918 Jun 25 j 07:38	11°♉50'32	
conjunction	-8918 Jul 12 j 03:29	13°♉45'21	1°05'21
minimum elong	-8918 Jul 12 j 03:26	13°♉45'21	1°05'42
max. Earth dist.	-8918 Jul 11 j 14:22	13°♉41'36	11.27604 AU
	-8918 Jul 23 j 00:50	15°♉	
morning rise	-8918 Jul 28 j 19:10	15°♉39'02	
retrograde	-8918 Nov 03 j 15:34	22°♉17'31	
opposition	-8917 Jan 12 j 11:23	19°♉03'08	1°34'03
min. Earth dist.	-8917 Jan 12 j 23:35	19°♉00'54	9.29855 AU
direct	-8917 Mar 25 j 15:40	15°♉43'23	
evening set	-8917 Jul 06 j 08:39	22°♉37'15	
max. Earth dist.	-8917 Jul 22 j 08:36	24°♉26'08	11.31199 AU
conjunction	-8917 Jul 23 j 00:49	24°♉30'47	1°29'03
minimum elong	-8917 Jul 23 j 00:46	24°♉30'46	1°29'28
morning rise	-8917 Aug 08 j 13:16	26°♉23'22	
	-8917 Sep 12 j 19:05	0°♊	
retrograde	-8917 Nov 14 j 18:50	3°♊01'56	
	-8916 Jan 21 j 00:54	30°♑♉	
opposition	-8916 Jan 23 j 21:44	29°♉47'30	2°01'01
min. Earth dist.	-8916 Jan 24 j 12:51	29°♉44'45	9.31935 AU
direct	-8916 Apr 05 j 02:59	26°♉28'22	
	-8916 Jun 14 j 02:09	0°♊	
evening set	-8916 Jul 16 j 06:39	3°♊20'14	
conjunction	-8916 Aug 01 j 19:31	5°♊12'58	1°49'31
minimum elong	-8916 Aug 01 j 19:28	5°♊12'57	1°50'01
max. Earth dist.	-8916 Aug 01 j 00:08	5°♊07'25	11.31649 AU
morning rise	-8916 Aug 18 j 05:20	7°♊04'59	
retrograde	-8916 Nov 24 j 22:19	13°♊45'37	
opposition	-8915 Feb 03 j 09:05	10°♊30'49	2°23'46
min. Earth dist.	-8915 Feb 04 j 03:33	10°♊27'28	9.30851 AU
direct	-8915 Apr 16 j 09:37	7°♊12'04	
evening set	-8915 Jul 27 j 03:25	14°♊03'34	
conjunction	-8915 Aug 12 j 13:24	15°♊56'00	2°06'11
minimum elong	-8915 Aug 12 j 13:21	15°♊56'00	2°06'43
max. Earth dist.	-8915 Aug 11 j 14:33	15°♊49'26	11.28955 AU
morning rise	-8915 Aug 28 j 21:26	17°♊47'59	
retrograde	-8915 Dec 06 j 05:19	24°♊32'45	
opposition	-8914 Feb 14 j 22:45	21°♊17'12	2°41'39
min. Earth dist.	-8914 Feb 15 j 19:53	21°♊13'22	9.26648 AU
direct	-8914 Apr 27 j 18:38	17°♊58'37	
evening set	-8914 Aug 07 j 00:34	24°♊51'21	
max. Earth dist.	-8914 Aug 22 j 08:00	26°♊36'56	11.23215 AU
conjunction	-8914 Aug 23 j 08:39	26°♊44'04	2°18'29
minimum elong	-8914 Aug 23 j 08:37	26°♊44'04	2°19'03
morning rise	-8914 Sep 08 j 15:43	28°♊36'35	
	-8914 Sep 21 j 04:15	0°♋	
retrograde	-8914 Dec 17 j 18:52	5°♋27'24	

Attention, astronomical year style is used: The year -8913 in astronomical counting style is the year 8914 BCE in historical counting style.

opposition	-8913 Feb 26 j 16:04	2°♋10'48	2°54'00
min. Earth dist.	-8913 Feb 27 j 14:01	2°♋06'48	9.19454 AU
	-8913 Mar 31 j 08:02	30°℞♊	
direct	-8913 May 09 j 04:01	28°♊52'11	
	-8913 Jun 15 j 23:44	0°♋	
evening set	-8913 Aug 17 j 23:48	5°♋47'41	
max. Earth dist.	-8913 Sep 02 j 06:13	7°♋34'01	11.14592 AU
conjunction	-8913 Sep 03 j 07:06	7°♋41'17	2°25'55
minimum elong	-8913 Sep 03 j 07:05	7°♋41'17	2°26'29
morning rise	-8913 Sep 19 j 14:04	9°♋34'57	
retrograde	-8913 Dec 29 j 15:35	16°♋33'41	
opposition	-8912 Mar 09 j 14:27	13°♋15'45	3°00'14
min. Earth dist.	-8912 Mar 10 j 12:29	13°♋11'43	9.09469 AU
direct	-8912 May 19 j 15:01	9°♋56'57	
evening set	-8912 Aug 28 j 03:15	16°♋56'46	
max. Earth dist.	-8912 Sep 12 j 09:14	18°♋44'20	11.03342 AU
conjunction	-8912 Sep 13 j 10:39	18°♋51'52	2°27'59
minimum elong	-8912 Sep 13 j 10:40	18°♋51'52	2°28'31
morning rise	-8912 Sep 29 j 18:46	20°♋47'18	
retrograde	-8911 Jan 09 j 20:57	27°♋55'39	
opposition	-8911 Mar 21 j 19:15	24°♋36'14	2°59'41
min. Earth dist.	-8911 Mar 22 j 17:18	24°♋32'08	8.97008 AU
direct	-8911 May 31 j 05:50	21°♋17'01	
evening set	-8911 Sep 08 j 12:37	28°♋22'39	
	-8911 Sep 22 j 03:14	0°♌	
conjunction	-8911 Sep 24 j 21:16	0°♌19'51	2°24'14
minimum elong	-8911 Sep 24 j 21:18	0°♌19'52	2°24'45
max. Earth dist.	-8911 Sep 23 j 19:44	0°♌12'11	10.89845 AU
morning rise	-8911 Oct 11 j 07:53	2°♌17'44	
retrograde	-8910 Jan 22 j 10:51	9°♌37'19	
opposition	-8910 Apr 03 j 07:50	6°♌16'10	2°51'50
min. Earth dist.	-8910 Apr 04 j 05:17	6°♌12'09	8.82505 AU
direct	-8910 Jun 12 j 02:32	2°♌56'23	
evening set	-8910 Sep 20 j 05:39	10°♌09'15	
conjunction	-8910 Oct 06 j 16:57	12°♌09'11	2°14'20
minimum elong	-8910 Oct 06 j 17:00	12°♌09'11	2°14'48
max. Earth dist.	-8910 Oct 05 j 17:35	12°♌02'02	10.74572 AU
morning rise	-8910 Oct 23 j 07:11	14°♌10'05	
	-8910 Oct 30 j 07:42	15°♌	
retrograde	-8909 Feb 04 j 12:43	21°♌42'18	
opposition	-8909 Apr 16 j 04:59	18°♌19'16	2°36'16
min. Earth dist.	-8909 Apr 17 j 00:04	18°♌15'39	8.66495 AU
	-8909 Jun 19 j 11:14	15°℞♌	
direct	-8909 Jun 24 j 08:14	14°♌58'46	
	-8909 Jun 29 j 04:08	15°♌	
evening set	-8909 Oct 02 j 08:35	22°♌20'06	
conjunction	-8909 Oct 18 j 23:46	24°♌23'21	1°58'07
minimum elong	-8909 Oct 18 j 23:50	24°♌23'22	1°58'31
max. Earth dist.	-8909 Oct 18 j 03:53	24°♌17'09	10.58106 AU
morning rise	-8909 Nov 04 j 18:37	26°♌27'50	
	-8909 Dec 05 j 19:21	0°♍	
retrograde	-8908 Feb 18 j 03:22	4°♍13'37	
opposition	-8908 Apr 28 j 11:17	0°♍48'39	2°12'49
min. Earth dist.	-8908 Apr 29 j 02:42	0°♍45'41	8.49640 AU
	-8908 May 09 j 02:24	30°℞♌	
direct	-8908 Jul 05 j 20:26	27°♌27'18	
	-8908 Aug 29 j 11:26	0°♍	
evening set	-8908 Oct 13 j 23:10	4°♍58'15	
conjunction	-8908 Oct 30 j 19:08	7°♍05'13	1°35'42
minimum elong	-8908 Oct 30 j 19:12	7°♍05'14	1°36'00
max. Earth dist.	-8908 Oct 30 j 03:15	7°♍00'11	10.41177 AU
morning rise	-8908 Nov 16 j 19:33	9°♍13'42	
retrograde	-8907 Mar 03 j 05:35	17°♍13'32	
opposition	-8907 May 12 j 03:32	13°♍46'40	1°41'43
min. Earth dist.	-8907 May 12 j 14:27	13°♍44'32	8.32738 AU
direct	-8907 Jul 18 j 18:29	10°♍24'19	
evening set	-8907 Oct 27 j 02:55	18°♍05'43	
conjunction	-8907 Nov 13 j 04:19	20°♍16'41	1°07'35
minimum elong	-8907 Nov 13 j 04:22	20°♍16'42	1°07'45
max. Earth dist.	-8907 Nov 12 j 16:55	20°♍13'00	10.24627 AU
morning rise	-8907 Nov 30 j 11:02	22°♍29'24	
	-8906 Feb 16 j 21:01	0°♎	
retrograde	-8906 Mar 17 j 19:10	0°♎43'01	
	-8906 Apr 15 j 22:18	30°℞♍	
opposition	-8906 May 26 j 05:27	27°♍14'21	1°03'50
min. Earth dist.	-8906 May 26 j 11:49	27°♍13'05	8.16688 AU
direct	-8906 Aug 01 j 03:34	23°♍50'54	
	-8906 Oct 27 j 03:20	0°♎	
evening set	-8906 Nov 09 j 21:14	1°♎43'11	
conjunction	-8906 Nov 27 j 04:29	3°♎58'10	0°34'47
minimum elong	-8906 Nov 27 j 04:30	3°♎58'11	0°34'49
max. Earth dist.	-8906 Nov 26 j 22:42	3°♎56'17	10.09369 AU
morning rise	-8906 Dec 14 j 17:33	6°♎15'03	
retrograde	-8905 Apr 01 j 18:49	14°♎41'14	
opposition	-8905 Jun 09 j 15:57	11°♎11'02	0°20'47
min. Earth dist.	-8905 Jun 09 j 17:31	11°♎10'43	8.02428 AU
direct	-8905 Aug 14 j 23:12	7°♎46'23	
evening set	-8905 Nov 24 j 06:20	15°♎49'28	
desc. node	-8905 Nov 30 j 14:10	16°♎39'05	
conjunction	-8905 Dec 11 j 19:19	18°♎08'09	-0°01'07
minimum elong	-8905 Dec 11 j 19:19	18°♎08'09	0°01'13
behind sun begin	-8905 Dec 11 j 12:04	18°♎05'46	
behind sun end	-8905 Dec 12 j 02:35	18°♎10'32	
max. Earth dist.	-8905 Dec 11 j 20:09	18°♎08'23	9.96328 AU
morning rise	-8905 Dec 29 j 14:11	20°♎28'46	
retrograde	-8904 Apr 16 j 02:24	29°♎05'21	
opposition	-8904 Jun 23 j 09:53	25°♎33'54	-0°24'59
min. Earth dist.	-8904 Jun 23 j 06:16	25°♎34'39	7.90862 AU
direct	-8904 Aug 28 j 06:00	22°♎08'03	
	-8904 Dec 05 j 12:55	0°♏	
evening set	-8904 Dec 08 j 05:18	0°♏21'02	
conjunction	-8904 Dec 25 j 23:27	2°♏42'47	-0°37'44
minimum elong	-8904 Dec 25 j 23:25	2°♏42'46	0°37'59
max. Earth dist.	-8904 Dec 26 j 07:30	2°♏45'28	9.86350 AU
morning rise	-8903 Jan 12 j 23:02	5°♏06'19	
retrograde	-8903 May 01 j 14:20	13°♏50'08	
opposition	-8903 Jul 08 j 08:56	10°♏17'49	-1°10'16
min. Earth dist.	-8903 Jul 08 j 00:08	10°♏19'38	7.82742 AU
direct	-8903 Sep 11 j 22:21	6°♏50'45	
	-8903 Dec 22 j 03:56	15°♏	
evening set	-8903 Dec 23 j 16:26	15°♏12'00	
conjunction	-8902 Jan 10 j 14:45	17°♏35'55	-1°12'32
minimum elong	-8902 Jan 10 j 14:41	17°♏35'53	1°12'54
max. Earth dist.	-8902 Jan 11 j 05:30	17°♏40'53	9.80079 AU
morning rise	-8902 Jan 28 j 17:36	20°♏01'19	
retrograde	-8902 May 17 j 03:37	28°♏48'17	
opposition	-8902 Jul 23 j 10:18	25°♏15'37	-1°51'31
min. Earth dist.	-8902 Jul 22 j 20:55	25°♏18'25	7.78549 AU
direct	-8902 Sep 26 j 21:36	21°♏47'27	
	-8901 Jan 06 j 15:45	0°♐	
evening set	-8901 Jan 08 j 12:22	0°♐14'42	
conjunction	-8901 Jan 26 j 13:33	2°♐39'40	-1°42'46

Attention, astronomical year style is used: The year -8901 in astronomical counting style is the year 8902 BCE in historical counting style.

minimum elong	-8901 Jan	26 j 13:28	2°♐39'39	1°43'14
max. Earth dist.	-8901 Jan	27 j 09:44	2°♐46'28	9.77876 AU
morning rise	-8901 Feb	13 j 18:05	5°♐05'44	
retrograde	-8901 Jun	01 j 14:51	13°♐51'31	
opposition	-8901 Aug	07 j 11:29	10°♐19'04	-2°25'19
min. Earth dist.	-8901 Aug	06 j 18:27	10°♐22'39	7.78528 AU
direct	-8901 Oct	12 j 01:08	6°♐50'03	
evening set	-8900 Jan	24 j 12:31	15°♐20'14	
conjunction	-8900 Feb	11 j 15:13	17°♐45'08	-2°06'00
minimum elong	-8900 Feb	11 j 15:09	17°♐45'06	2°06'33
max. Earth dist.	-8900 Feb	12 j 15:45	17°♐53'21	9.79939 AU
morning rise	-8900 Feb	29 j 19:53	20°♐10'37	
retrograde	-8900 Jun	15 j 19:59	28°♐50'44	
opposition	-8900 Aug	21 j 09:32	25°♐19'03	-2°48'59
min. Earth dist.	-8900 Aug	20 j 13:57	25°♐23'10	7.82778 AU
direct	-8900 Oct	26 j 05:45	21°♐49'24	
	-8899 Feb	06 j 01:51	0°♑	
evening set	-8899 Feb	08 j 12:05	0°♑18'55	
conjunction	-8899 Feb	26 j 15:08	2°♑42'39	-2°20'34
minimum elong	-8899 Feb	26 j 15:06	2°♑42'39	2°21'08
max. Earth dist.	-8899 Feb	27 j 18:27	2°♑51'44	9.86252 AU
morning rise	-8899 Mar	16 j 18:45	5°♑06'28	
retrograde	-8899 Jun	30 j 16:28	13°♑36'43	
min. Earth dist.	-8899 Sep	04 j 04:57	10°♑10'34	7.91084 AU
opposition	-8899 Sep	05 j 01:36	10°♑06'14	-3°00'57
direct	-8899 Nov	10 j 09:24	6°♑36'15	