Attention, astronomical year style is used: The year -2900 in astronomical counting style is the year 2901 BCE in historical counting style.

retrograde	-2900 Mar 14 j 10:08	11°♏37'55	
opposition	-2900 May 24 j 11:51	8°♏18'46	1°34'00
min. Earth dist.	-2900 May 24 j 23:23	8°♏16'38	9.02717 AU
direct	-2900 Aug 02 j 21:29	5°♏00'39	
evening set	-2900 Nov 10 j 17:25	12°♏00'12	
conjunction	-2900 Nov 27 j 07:01	13°♏57'34	1°04'35
minimum elong	-2900 Nov 27 j 07:04	13°♏57'35	1°04'32
max. Earth dist.	-2900 Nov 26 j 17:51	13°♏53'39	10.97766 AU
	-2900 Dec 06 j 01:11	15°♏	
morning rise	-2900 Dec 13 j 22:32	15°♏55'38	
retrograde	-2899 Mar 26 j 18:50	23°♏08'29	
opposition	-2899 Jun 05 j 18:53	19°♏47'50	1°02'38
min. Earth dist.	-2899 Jun 06 j 06:04	19°♏45'45	8.92311 AU
direct	-2899 Aug 14 j 15:03	16°♏29'15	
evening set	-2899 Nov 22 j 05:59	23°♏33'11	
conjunction	-2899 Dec 08 j 21:58	25°♏32'38	0°37'27
minimum elong	-2899 Dec 08 j 21:59	25°♏32'38	0°37'22
max. Earth dist.	-2899 Dec 08 j 08:28	25°♏28'35	10.86464 AU
morning rise	-2899 Dec 25 j 16:57	27°♏33'03	
	-2898 Jan 16 j 09:40	0°♐	
retrograde	-2898 Apr 08 j 09:36	4°♐55'06	
opposition	-2898 Jun 18 j 07:29	1°♐32'49	0°27'53
min. Earth dist.	-2898 Jun 18 j 18:30	1°♐30'45	8.80114 AU
	-2898 Jul 09 j 16:12	30°℞♏	
direct	-2898 Aug 26 j 13:38	28°♏13'30	
	-2898 Oct 11 j 17:29	0°♐	
evening set	-2898 Dec 04 j 02:20	5°♐23'29	
conjunction	-2898 Dec 20 j 21:09	7°♐25'23	0°08'08
minimum elong	-2898 Dec 20 j 21:10	7°♐25'24	0°08'02
behind sun begin	-2898 Dec 20 j 14:53	7°♐23'30	
behind sun end	-2898 Dec 21 j 03:28	7°♐27'17	
max. Earth dist.	-2898 Dec 20 j 08:21	7°♐21'30	10.73574 AU
morning rise	-2897 Jan 06 j 19:52	9°♐28'30	
desc. node	-2897 Mar 31 j 12:25	16°♐39'21	
retrograde	-2897 Apr 21 j 10:11	17°♐01'00	
opposition	-2897 Jul 01 j 02:26	13°♐37'01	-0°09'07
min. Earth dist.	-2897 Jul 01 j 12:31	13°♐35'05	8.66595 AU
direct	-2897 Sep 07 j 19:03	10°♐16'47	
evening set	-2897 Dec 16 j 08:09	17°♐34'22	
conjunction	-2896 Jan 02 j 06:18	19°♐39'01	-0°22'25
minimum elong	-2896 Jan 02 j 06:16	19°♐39'01	0°22'31
max. Earth dist.	-2896 Jan 01 j 19:47	19°♐35'47	10.59606 AU
morning rise	-2896 Jan 19 j 08:46	21°♐45'04	
retrograde	-2896 May 03 j 20:46	29°♐29'02	
opposition	-2896 Jul 13 j 04:40	26°♐03'19	-0°46'55
min. Earth dist.	-2896 Jul 13 j 12:33	26°♐01'48	8.52317 AU
direct	-2896 Sep 19 j 06:35	22°♐42'02	
	-2896 Dec 26 j 20:59	0°♑	
evening set	-2896 Dec 28 j 01:04	0°♑08'36	
conjunction	-2895 Jan 14 j 02:43	2°♑16'12	-0°52'41
minimum elong	-2895 Jan 14 j 02:41	2°♑16'11	0°52'47
max. Earth dist.	-2895 Jan 13 j 18:46	2°♑13'42	10.45158 AU
morning rise	-2895 Jan 31 j 09:04	4°♑25'21	
retrograde	-2895 May 17 j 17:22	12°♑21'18	
opposition	-2895 Jul 26 j 14:34	8°♑53'55	-1°23'43
min. Earth dist.	-2895 Jul 26 j 19:45	8°♑52'54	8.37917 AU
direct	-2895 Oct 02 j 02:16	5°♑31'26	
evening set	-2894 Jan 10 j 06:36	13°♑08'07	
conjunction	-2894 Jan 27 j 11:49	15°♑18'46	-1°21'09
minimum elong	-2894 Jan 27 j 11:46	15°♑18'45	1°21'15
max. Earth dist.	-2894 Jan 27 j 06:08	15°♑16'58	10.30918 AU
morning rise	-2894 Feb 13 j 22:03	17°♑31'04	
retrograde	-2894 Jun 01 j 00:16	25°♑38'47	
opposition	-2894 Aug 09 j 08:04	22°♑09'56	-1°57'23
min. Earth dist.	-2894 Aug 09 j 10:49	22°♑09'23	8.24119 AU
direct	-2894 Oct 15 j 05:46	18°♑46'09	
evening set	-2893 Jan 24 j 01:09	26°♑33'36	
conjunction	-2893 Feb 10 j 10:00	28°♑47'16	-1°46'04
minimum elong	-2893 Feb 10 j 09:57	28°♑47'15	1°46'08
max. Earth dist.	-2893 Feb 10 j 06:48	28°♑46'14	10.17644 AU
	-2893 Feb 19 j 19:44	0°♒	
morning rise	-2893 Feb 28 j 00:04	1°♒02'36	
retrograde	-2893 Jun 15 j 15:24	9°♒21'06	
opposition	-2893 Aug 23 j 09:07	5°♒51'03	-2°25'36
min. Earth dist.	-2893 Aug 23 j 09:32	5°♒50'58	8.11692 AU
direct	-2893 Oct 28 j 19:12	2°♒25'56	
evening set	-2892 Feb 07 j 08:25	10°♒24'07	
conjunction	-2892 Feb 24 j 21:05	12°♒40'37	-2°05'32
minimum elong	-2892 Feb 24 j 21:02	12°♒40'36	2°05'36
max. Earth dist.	-2892 Feb 24 j 21:11	12°♒40'39	10.06124 AU
morning rise	-2892 Mar 13 j 14:48	14°♒58'44	
	-2892 Mar 13 j 18:46	15°♒	
retrograde	-2892 Jun 29 j 12:36	23°♒26'04	
opposition	-2892 Sep 05 j 16:33	19°♒55'08	-2°45'58
min. Earth dist.	-2892 Sep 05 j 14:37	19°♒55'32	8.01400 AU
direct	-2892 Nov 10 j 18:55	16°♒28'44	
evening set	-2891 Feb 21 j 03:40	24°♒36'48	
conjunction	-2891 Mar 10 j 20:17	26°♒55'49	-2°17'53
minimum elong	-2891 Mar 10 j 20:15	26°♒55'49	2°17'55
max. Earth dist.	-2891 Mar 11 j 00:17	26°♒57'09	9.97104 AU
morning rise	-2891 Mar 28 j 17:20	29°♒16'16	
	-2891 Apr 03 j 09:50	0°♓	
retrograde	-2891 Jul 14 j 13:37	7°♓49'28	
opposition	-2891 Sep 20 j 04:40	4°♓18'05	-2°56'29
min. Earth dist.	-2891 Sep 20 j 00:02	4°♓19'03	7.93926 AU
direct	-2891 Nov 25 j 03:35	0°♓50'31	
evening set	-2890 Mar 08 j 08:37	9°♓06'44	
conjunction	-2890 Mar 26 j 05:05	11°♓27'47	-2°21'46
minimum elong	-2890 Mar 26 j 05:05	11°♓27'47	2°21'48
max. Earth dist.	-2890 Mar 26 j 13:03	11°♓30'25	9.91215 AU
morning rise	-2890 Apr 13 j 05:02	13°♓49'56	
retrograde	-2890 Jul 29 j 15:38	22°♓25'19	
opposition	-2890 Oct 04 j 19:41	18°♓53'55	-2°55'48
min. Earth dist.	-2890 Oct 04 j 12:16	18°♓55'28	7.89801 AU
direct	-2890 Dec 09 j 18:07	15°♓25'25	
evening set	-2889 Mar 23 j 19:57	23°♓47'08	
conjunction	-2889 Apr 10 j 19:55	26°♓09'32	-2°16'35
minimum elong	-2889 Apr 10 j 19:57	26°♓09'33	2°16'35
max. Earth dist.	-2889 Apr 11 j 07:33	26°♓13'24	9.88902 AU
morning rise	-2889 Apr 28 j 22:09	28°♓32'39	
	-2889 May 10 j 07:37	0°♈	
retrograde	-2889 Aug 13 j 16:30	7°♈06'09	
opposition	-2889 Oct 19 j 11:13	3°♈35'13	-2°43'38
min. Earth dist.	-2889 Oct 19 j 01:22	3°♈37'16	7.89340 AU
direct	-2889 Dec 24 j 13:03	0°♈05'59	
evening set	-2888 Apr 07 j 10:21	8°♈30'10	
conjunction	-2888 Apr 25 j 13:08	10°♈53'05	-2°02'31
minimum elong	-2888 Apr 25 j 13:12	10°♈53'06	2°02'30

Attention, astronomical year style is used: The year -2888 in astronomical counting style is the year 2889 BCE in historical counting style.

max. Earth dist.	-2888 Apr 26 j 03:33	10°♈57'51	9.90348 AU
morning rise	-2888 May 13 j 16:46	13°♈16'14	
retrograde	-2888 Aug 27 j 13:04	21°♈43'55	
opposition	-2888 Nov 02 j 00:43	18°♈13'51	-2°20'49
min. Earth dist.	-2888 Nov 01 j 13:20	18°♈16'14	7.92580 AU
direct	-2887 Jan 07 j 10:22	14°♈44'11	
evening set	-2887 Apr 22 j 23:45	23°♈07'36	
conjunction	-2887 May 11 j 04:12	25°♈30'04	-1°40'40
minimum elong	-2887 May 11 j 04:16	25°♈30'05	1°40'38
max. Earth dist.	-2887 May 11 j 20:01	25°♈35'16	9.95426 AU
morning rise	-2887 May 29 j 08:04	27°♈52'19	
	-2887 Jun 15 j 08:29	0°♉	
retrograde	-2887 Sep 11 j 02:09	6°♉10'56	
opposition	-2887 Nov 16 j 10:13	2°♉42'07	-1°49'18
min. Earth dist.	-2887 Nov 15 j 22:31	2°♉44'34	7.99262 AU
	-2887 Dec 23 j 18:22	30°℞♈	
direct	-2886 Jan 22 j 07:33	29°♈12'18	
	-2886 Feb 20 j 20:51	0°♉	
evening set	-2886 May 08 j 08:14	7°♉31'55	
conjunction	-2886 May 26 j 12:50	9°♉53'00	-1°12'50
minimum elong	-2886 May 26 j 12:54	9°♉53'01	1°12'46
max. Earth dist.	-2886 May 27 j 04:31	9°♉58'06	10.03718 AU
morning rise	-2886 Jun 13 j 15:33	12°♉13'26	
	-2886 Jul 06 j 09:08	15°♉	
retrograde	-2886 Sep 25 j 05:24	20°♉20'49	
opposition	-2886 Nov 30 j 13:49	16°♉53'31	-1°11'41
min. Earth dist.	-2886 Nov 30 j 02:43	16°♉55'48	8.08853 AU
	-2886 Dec 24 j 21:40	15°℞♉	
direct	-2885 Feb 06 j 02:09	13°♉23'50	
	-2885 Mar 20 j 22:59	15°♉	
evening set	-2885 May 23 j 08:52	21°♉37'16	
conjunction	-2885 Jun 10 j 12:06	23°♉56'09	-0°41'09
minimum elong	-2885 Jun 10 j 12:09	23°♉56'10	0°41'04
max. Earth dist.	-2885 Jun 11 j 02:10	24°♉00'40	10.14552 AU
morning rise	-2885 Jun 28 j 12:20	26°♉14'02	
	-2885 Jul 30 j 14:00	0°♊	
retrograde	-2885 Oct 08 j 21:22	4°♊09'10	
opposition	-2885 Dec 14 j 10:12	0°♊43'33	-0°30'50
min. Earth dist.	-2885 Dec 14 j 00:26	0°♊45'33	8.20609 AU
	-2885 Dec 23 j 09:38	30°℞♉	
direct	-2884 Feb 20 j 14:49	27°♉14'20	
	-2884 Apr 18 j 09:33	0°♊	
evening set	-2884 Jun 05 j 23:37	5°♊20'03	
conjunction	-2884 Jun 24 j 00:02	7°♊36'09	-0°07'53
minimum elong	-2884 Jun 24 j 00:03	7°♊36'09	0°07'48
behind sun begin	-2884 Jun 23 j 17:30	7°♊34'06	
behind sun end	-2884 Jun 24 j 06:35	7°♊38'12	
max. Earth dist.	-2884 Jun 24 j 11:35	7°♊39'47	10.27128 AU
morning rise	-2884 Jul 11 j 20:32	9°♊50'56	
asc. node	-2884 Sep 21 j 03:22	16°♊44'30	
retrograde	-2884 Oct 21 j 04:25	17°♊33'54	
opposition	-2884 Dec 26 j 23:10	14°♊10'04	0°10'30
min. Earth dist.	-2884 Dec 26 j 14:38	14°♊11'47	8.33758 AU
direct	-2883 Mar 05 j 20:03	10°♊41'38	
evening set	-2883 Jun 20 j 03:14	18°♊38'42	
conjunction	-2883 Jul 07 j 23:36	20°♊51'36	0°25'02
minimum elong	-2883 Jul 07 j 23:34	20°♊51'35	0°25'08
max. Earth dist.	-2883 Jul 08 j 08:50	20°♊54'29	10.40732 AU
morning rise	-2883 Jul 25 j 15:17	23°♊03'00	
	-2883 Oct 08 j 21:54	0°♋	
retrograde	-2883 Nov 03 j 02:06	0°♋34'29	
	-2883 Nov 28 j 12:13	30°℞♊	
opposition	-2882 Jan 09 j 04:39	27°♊12'21	0°49'57
min. Earth dist.	-2882 Jan 08 j 21:10	27°♊13'50	8.47642 AU
direct	-2882 Mar 19 j 17:13	23°♊44'56	
	-2882 Jun 20 j 16:24	0°♋	
evening set	-2882 Jul 03 j 19:10	1°♋32'52	
conjunction	-2882 Jul 21 j 10:39	3°♋42'23	0°55'43
minimum elong	-2882 Jul 21 j 10:36	3°♋42'22	0°55'48
max. Earth dist.	-2882 Jul 21 j 18:10	3°♋44'41	10.54728 AU
morning rise	-2882 Aug 07 j 20:55	5°♋50'18	
retrograde	-2882 Nov 15 j 14:59	13°♋11'21	
opposition	-2881 Jan 22 j 02:53	9°♋50'47	1°25'39
min. Earth dist.	-2881 Jan 21 j 21:14	9°♋51'53	8.61627 AU
direct	-2881 Apr 02 j 05:53	6°♋24'29	
evening set	-2881 Jul 16 j 23:22	14°♋03'16	
conjunction	-2881 Aug 03 j 09:30	16°♋09'24	1°22'55
minimum elong	-2881 Aug 03 j 09:27	16°♋09'23	1°23'00
max. Earth dist.	-2881 Aug 03 j 14:47	16°♋11'01	10.68477 AU
morning rise	-2881 Aug 20 j 14:13	18°♋13'58	
retrograde	-2881 Nov 27 j 20:54	25°♋25'53	
opposition	-2880 Feb 03 j 18:29	22°♋06'43	1°56'16
min. Earth dist.	-2880 Feb 03 j 15:26	22°♋07'18	8.75073 AU
direct	-2880 Apr 14 j 09:01	18°♋41'34	
evening set	-2880 Jul 28 j 16:31	26°♋11'34	
conjunction	-2880 Aug 14 j 21:06	28°♋14'33	1°45'41
minimum elong	-2880 Aug 14 j 21:03	28°♋14'32	1°45'45
max. Earth dist.	-2880 Aug 14 j 23:14	28°♋15'11	10.81369 AU
	-2880 Aug 29 j 14:11	0°♌	
morning rise	-2880 Aug 31 j 20:34	0°♌16'01	
retrograde	-2880 Dec 08 j 18:16	7°♌20'19	
opposition	-2879 Feb 15 j 04:06	4°♌02'17	2°20'55
min. Earth dist.	-2879 Feb 15 j 03:40	4°♌02'22	8.87401 AU
direct	-2879 Apr 27 j 05:07	0°♌38'20	
evening set	-2879 Aug 09 j 23:19	8°♌00'11	
conjunction	-2879 Aug 26 j 22:41	10°♌00'20	2°03'24
minimum elong	-2879 Aug 26 j 22:38	10°♌00'19	2°03'28
max. Earth dist.	-2879 Aug 26 j 21:30	9°♌59'59	10.92888 AU
morning rise	-2879 Sep 12 j 17:31	11°♌59'08	
	-2879 Oct 10 j 06:35	15°♌	
retrograde	-2879 Dec 20 j 10:59	18°♌57'27	
opposition	-2878 Feb 27 j 08:40	15°♌40'16	2°39'06
min. Earth dist.	-2878 Feb 27 j 09:54	15°♌40'02	8.98121 AU
	-2878 Mar 08 j 08:42	15°℞♌	
direct	-2878 May 09 j 18:47	12°♌17'29	
	-2878 Jul 08 j 16:35	15°♌	
evening set	-2878 Aug 21 j 20:46	19°♌32'01	
conjunction	-2878 Sep 07 j 15:45	21°♌29'49	2°15'44
minimum elong	-2878 Sep 07 j 15:43	21°♌29'48	2°15'48
max. Earth dist.	-2878 Sep 07 j 12:38	21°♌28'54	11.02595 AU
morning rise	-2878 Sep 24 j 06:37	23°♌26'26	
	-2878 Dec 11 j 23:07	0°♍	
retrograde	-2877 Jan 01 j 01:04	0°♍20'25	
	-2877 Jan 21 j 08:04	30°℞♌	
opposition	-2877 Mar 11 j 09:06	27°♌03'47	2°50'36
min. Earth dist.	-2877 Mar 11 j 11:52	27°♌03'17	9.06827 AU
direct	-2877 May 21 j 23:49	23°♌42'08	
	-2877 Aug 26 j 00:36	0°♍	
evening set	-2877 Sep 02 j 10:44	0°♍50'23	
conjunction	-2877 Sep 19 j 02:07	2°♍46'21	2°22'34
minimum elong	-2877 Sep 19 j 02:06	2°♍46'21	2°22'36
max. Earth dist.	-2877 Sep 18 j 21:26	2°♍44'59	11.10136 AU
morning rise	-2877 Oct 05 j 13:49	4°♍41'21	

Attention, astronomical year style is used: The year -2876 in astronomical counting style is the year 2877 BCE in historical counting style.

retrograde	-2876 Jan 12 j 12:17	11°♑32'37	
opposition	-2876 Mar 22 j 06:36	8°♑16'18	2°55'24
min. Earth dist.	-2876 Mar 22 j 11:36	8°♑15'23	9.13219 AU
direct	-2876 Jun 01 j 23:25	4°♑55'39	
evening set	-2876 Sep 12 j 18:48	11°♑58'50	
conjunction	-2876 Sep 29 j 07:19	13°♑53'32	2°23'53
minimum elong	-2876 Sep 29 j 07:19	13°♑53'32	2°23'55
max. Earth dist.	-2876 Sep 29 j 00:08	13°♑51'26	11.15274 AU
morning rise	-2876 Oct 15 j 17:03	15°♑47'28	
retrograde	-2875 Jan 22 j 22:57	22°♑37'40	
opposition	-2875 Apr 03 j 02:33	19°♑21'26	2°53'37
min. Earth dist.	-2875 Apr 03 j 09:52	19°♑20'05	9.17105 AU
direct	-2875 Jun 13 j 18:28	16°♑01'40	
evening set	-2875 Sep 23 j 22:23	23°♑01'01	
conjunction	-2875 Oct 10 j 09:02	24°♑55'00	2°19'50
minimum elong	-2875 Oct 10 j 09:04	24°♑55'00	2°19'50
max. Earth dist.	-2875 Oct 09 j 23:34	24°♑52'15	11.17858 AU
morning rise	-2875 Oct 26 j 17:57	26°♑48'30	
	-2875 Nov 25 j 18:44	0°♌	
retrograde	-2874 Feb 03 j 08:43	3°♌39'19	
opposition	-2874 Apr 14 j 21:50	0°♌22'50	2°45'28
min. Earth dist.	-2874 Apr 15 j 06:26	0°♌21'16	9.18357 AU
	-2874 Apr 20 j 03:02	30°℞♑	
direct	-2874 Jun 25 j 10:44	27°♑03'48	
	-2874 Aug 27 j 00:17	0°♌	
evening set	-2874 Oct 04 j 23:31	4°♌00'43	
conjunction	-2874 Oct 21 j 09:29	5°♌54'34	2°10'37
minimum elong	-2874 Oct 21 j 09:30	5°♌54'35	2°10'36
max. Earth dist.	-2874 Oct 20 j 23:10	5°♌51'34	11.17794 AU
morning rise	-2874 Nov 06 j 18:23	7°♌48'10	
retrograde	-2873 Feb 14 j 23:31	14°♌41'13	
opposition	-2873 Apr 26 j 17:33	11°♌24'15	2°31'16
min. Earth dist.	-2873 Apr 27 j 02:34	11°♌22'36	9.16921 AU
direct	-2873 Jul 07 j 02:06	8°♌05'46	
evening set	-2873 Oct 15 j 23:59	15°♌01'39	
conjunction	-2873 Nov 01 j 10:08	16°♌55'56	1°56'32
minimum elong	-2873 Nov 01 j 10:10	16°♌55'56	1°56'30
max. Earth dist.	-2873 Oct 31 j 23:16	16°♌52'45	11.15067 AU
morning rise	-2873 Nov 17 j 19:56	18°♌50'12	
retrograde	-2872 Feb 26 j 16:51	25°♌47'04	
opposition	-2872 May 07 j 15:22	22°♌29'23	2°11'22
min. Earth dist.	-2872 May 08 j 01:16	22°♌27'35	9.12840 AU
direct	-2872 Jul 17 j 14:12	19°♌11'17	
evening set	-2872 Oct 26 j 01:39	26°♌07'35	
conjunction	-2872 Nov 11 j 12:35	28°♌02'46	1°37'58
minimum elong	-2872 Nov 11 j 12:38	28°♌02'47	1°37'55
max. Earth dist.	-2872 Nov 11 j 00:24	27°♌59'12	11.09768 AU
morning rise	-2872 Nov 28 j 00:19	29°♌58'16	
	-2872 Nov 28 j 06:22	0°♍	
retrograde	-2871 Mar 09 j 15:06	7°♍00'34	
opposition	-2871 May 19 j 16:20	3°♍41'56	1°46'16
min. Earth dist.	-2871 May 20 j 03:11	3°♍39'56	9.06258 AU
direct	-2871 Jul 29 j 05:31	0°♍23'54	
evening set	-2871 Nov 06 j 06:30	7°♍22'12	
conjunction	-2871 Nov 22 j 19:02	9°♍18'48	1°15'23
minimum elong	-2871 Nov 22 j 19:04	9°♍18'49	1°15'21
max. Earth dist.	-2871 Nov 22 j 06:14	9°♍15'01	11.02073 AU
morning rise	-2871 Dec 09 j 09:25	11°♍15'59	
	-2870 Jan 13 j 09:50	15°♍	
retrograde	-2870 Mar 21 j 19:19	18°♍25'15	
opposition	-2870 May 31 j 21:08	15°♍05'25	1°16'36
min. Earth dist.	-2870 Jun 01 j 08:09	15°♍03'23	8.97397 AU
	-2870 Jun 02 j 02:27	15°℞♍	
direct	-2870 Aug 09 j 22:40	11°♍47'14	
	-2870 Oct 12 j 23:35	15°♍	
evening set	-2870 Nov 17 j 16:16	18°♍49'06	
conjunction	-2870 Dec 04 j 07:10	20°♍47'33	0°49'27
minimum elong	-2870 Dec 04 j 07:12	20°♍47'34	0°49'23
max. Earth dist.	-2870 Dec 03 j 19:25	20°♍44'02	10.92231 AU
morning rise	-2870 Dec 21 j 00:34	22°♍46'51	
	-2869 Mar 24 j 16:53	0°♐	
retrograde	-2869 Apr 03 j 07:13	0°♐04'34	
	-2869 Apr 13 j 00:03	30°℞♍	
opposition	-2869 Jun 13 j 07:08	26°♍43'21	0°43'10
min. Earth dist.	-2869 Jun 13 j 16:55	26°♍41'31	8.86559 AU
direct	-2869 Aug 21 j 19:56	23°♍24'47	
	-2869 Nov 24 j 20:56	0°♐	
evening set	-2869 Nov 29 j 08:56	0°♐31'46	
conjunction	-2869 Dec 16 j 02:32	2°♐32'27	0°20'55
minimum elong	-2869 Dec 16 j 02:33	2°♐32'28	0°20'50
max. Earth dist.	-2869 Dec 15 j 15:50	2°♐29'13	10.80587 AU
morning rise	-2868 Jan 01 j 23:20	4°♐34'13	
retrograde	-2868 Apr 15 j 05:47	12°♐01'41	
opposition	-2868 Jun 24 j 23:15	8°♐38'58	0°06'59
min. Earth dist.	-2868 Jun 25 j 07:44	8°♐37'21	8.74149 AU
direct	-2868 Sep 01 j 21:49	5°♐19'46	
desc. node	-2868 Sep 03 j 17:41	5°♐19'56	
evening set	-2868 Dec 10 j 10:28	12°♐33'23	
conjunction	-2868 Dec 27 j 07:01	14°♐36'38	-0°09'17
minimum elong	-2868 Dec 27 j 07:00	14°♐36'37	0°09'22
behind sun begin	-2868 Dec 27 j 01:04	14°♐34'49	
behind sun end	-2868 Dec 27 j 12:57	14°♐38'25	
max. Earth dist.	-2868 Dec 26 j 20:49	14°♐33'31	10.67591 AU
morning rise	-2867 Jan 13 j 07:39	16°♐41'10	
retrograde	-2867 Apr 28 j 11:40	24°♐19'23	
opposition	-2867 Jul 07 j 22:07	20°♐55'05	-0°30'38
min. Earth dist.	-2867 Jul 08 j 05:38	20°♐53'38	8.60657 AU
direct	-2867 Sep 14 j 04:54	17°♐34'58	
evening set	-2867 Dec 22 j 22:17	24°♐56'44	
conjunction	-2866 Jan 08 j 22:05	27°♐02'44	-0°39'45
minimum elong	-2866 Jan 08 j 22:04	27°♐02'44	0°39'50
max. Earth dist.	-2866 Jan 08 j 12:51	26°♐59'52	10.53752 AU
morning rise	-2866 Jan 26 j 02:43	29°♐10'15	
	-2866 Feb 01 j 23:38	0°♑	
retrograde	-2866 May 12 j 02:22	6°♑59'56	
opposition	-2866 Jul 21 j 04:18	3°♑34'00	-1°08'01
min. Earth dist.	-2866 Jul 21 j 10:51	3°♑32'44	8.46615 AU
direct	-2866 Sep 26 j 21:28	0°♑12'45	
evening set	-2865 Jan 04 j 21:41	7°♑43'55	
conjunction	-2865 Jan 22 j 01:01	9°♑52'52	-1°09'08
minimum elong	-2865 Jan 22 j 00:58	9°♑52'51	1°09'14
max. Earth dist.	-2865 Jan 21 j 17:59	9°♑50'39	10.39614 AU
morning rise	-2865 Feb 08 j 09:27	12°♑03'27	
retrograde	-2865 May 26 j 03:11	20°♑04'51	
opposition	-2865 Aug 03 j 17:57	16°♑37'22	-1°43'13
min. Earth dist.	-2865 Aug 03 j 22:36	16°♑36'27	8.32613 AU
direct	-2865 Oct 09 j 22:17	13°♑14'50	
evening set	-2864 Jan 18 j 09:43	20°♑56'22	
conjunction	-2864 Feb 04 j 16:48	23°♑08'21	-1°35'45
minimum elong	-2864 Feb 04 j 16:45	23°♑08'19	1°35'50
max. Earth dist.	-2864 Feb 04 j 12:39	23°♑07'01	10.25844 AU
morning rise	-2864 Feb 22 j 04:57	25°♑21'59	

Attention, astronomical year style is used: The year -2864 in astronomical counting style is the year 2865 BCE in historical counting style.

	-2864 Apr 02 j 18:34	0°♒	
retrograde	-2864 Jun 08 j 14:05	3°♒34'42	
opposition	-2864 Aug 16 j 15:05	0°♒05'48	-2°13'59
min. Earth dist.	-2864 Aug 16 j 17:04	0°♒05'24	8.19397 AU
	-2864 Aug 17 j 20:00	30°℞♑	
direct	-2864 Oct 22 j 06:59	26°♑41'54	
	-2864 Dec 22 j 20:41	0°♒	
evening set	-2863 Jan 31 j 10:45	4°♒34'12	
conjunction	-2863 Feb 17 j 21:41	6°♒49'07	-1°57'46
minimum elong	-2863 Feb 17 j 21:37	6°♒49'06	1°57'50
max. Earth dist.	-2863 Feb 17 j 20:48	6°♒48'50	10.13269 AU
morning rise	-2863 Mar 07 j 13:28	9°♒05'41	
	-2863 Apr 30 j 01:32	15°♒	
retrograde	-2863 Jun 23 j 08:13	17°♒28'13	
	-2863 Aug 17 j 22:33	15°℞♒	
opposition	-2863 Aug 30 j 19:02	13°♒58'09	-2°38'00
min. Earth dist.	-2863 Aug 30 j 18:04	13°♒58'21	8.07813 AU
direct	-2863 Nov 05 j 01:24	10°♒32'50	
	-2862 Jan 16 j 06:21	15°♒	
evening set	-2862 Feb 15 j 00:14	18°♒35'29	
conjunction	-2862 Mar 04 j 14:58	20°♒53'06	-2°13'24
minimum elong	-2862 Mar 04 j 14:56	20°♒53'06	2°13'27
max. Earth dist.	-2862 Mar 04 j 17:11	20°♒53'50	10.02736 AU
morning rise	-2862 Mar 22 j 10:13	23°♒12'13	
	-2862 May 25 j 02:16	0°♓	
retrograde	-2862 Jul 08 j 07:25	1°♓42'04	
	-2862 Aug 22 j 00:20	30°℞♒	
opposition	-2862 Sep 14 j 04:26	28°♒11'12	-2°53'04
min. Earth dist.	-2862 Sep 14 j 00:55	28°♒11'55	7.98649 AU
direct	-2862 Nov 19 j 04:33	24°♒44'28	
	-2861 Feb 06 j 07:01	0°♓	
evening set	-2861 Mar 02 j 00:16	2°♓56'09	
conjunction	-2861 Mar 19 j 18:48	5°♓16'04	-2°21'09
minimum elong	-2861 Mar 19 j 18:48	5°♓16'03	2°21'11
max. Earth dist.	-2861 Mar 20 j 00:06	5°♓17'48	9.94993 AU
morning rise	-2861 Apr 06 j 17:15	7°♓37'13	
retrograde	-2861 Jul 23 j 09:10	16°♓11'02	
opposition	-2861 Sep 28 j 17:40	12°♓39'45	-2°57'29
min. Earth dist.	-2861 Sep 28 j 12:04	12°♓40'55	7.92554 AU
direct	-2861 Dec 03 j 15:15	9°♓11'44	
evening set	-2860 Mar 16 j 08:08	17°♓30'15	
conjunction	-2860 Apr 03 j 06:20	19°♓51'53	-2°20'04
minimum elong	-2860 Apr 03 j 06:22	19°♓51'53	2°20'04
max. Earth dist.	-2860 Apr 03 j 14:36	19°♓54'37	9.90592 AU
morning rise	-2860 Apr 21 j 07:33	22°♓14'25	
	-2860 Jul 07 j 19:37	0°♈	
retrograde	-2860 Aug 06 j 10:23	0°♈48'17	
	-2860 Sep 05 j 01:58	30°℞♓	
opposition	-2860 Oct 12 j 08:25	27°♓17'03	-2°50'30
min. Earth dist.	-2860 Oct 12 j 01:04	27°♓18'35	7.89946 AU
direct	-2860 Dec 17 j 08:20	23°♓47'58	
	-2859 Mar 14 j 14:37	0°♈	
evening set	-2859 Mar 31 j 20:42	2°♈10'32	
conjunction	-2859 Apr 18 j 22:05	4°♈33'07	-2°09'56
minimum elong	-2859 Apr 18 j 22:08	4°♈33'08	2°09'55
max. Earth dist.	-2859 Apr 19 j 08:46	4°♈36'39	9.89831 AU
morning rise	-2859 May 07 j 01:16	6°♈56'12	
retrograde	-2859 Aug 21 j 07:44	15°♈26'07	
opposition	-2859 Oct 26 j 22:14	11°♈55'25	-2°32'23
min. Earth dist.	-2859 Oct 26 j 13:28	11°♈57'15	7.90995 AU
direct	-2858 Jan 01 j 05:25	8°♈25'34	
evening set	-2858 Apr 16 j 09:57	16°♈49'03	

conjunction	-2858 May 04 j 13:38	19°♈11'42	-1°51'29
minimum elong	-2858 May 04 j 13:42	19°♈11'43	1°51'27
max. Earth dist.	-2858 May 05 j 02:11	19°♈15'50	9.92745 AU
morning rise	-2858 May 22 j 17:40	21°♈34'24	
retrograde	-2858 Sep 04 j 22:21	29°♈56'57	
opposition	-2858 Nov 10 j 09:04	26°♈27'10	-2°04'36
min. Earth dist.	-2858 Nov 09 j 22:56	26°♈29'16	7.95609 AU
direct	-2857 Jan 16 j 03:00	22°♈56'55	
	-2857 Apr 21 j 12:00	0°♉	
evening set	-2857 May 01 j 20:01	1°♉18'11	
conjunction	-2857 May 20 j 00:45	3°♉39'59	-1°26'09
minimum elong	-2857 May 20 j 00:49	3°♉40'00	1°26'05
max. Earth dist.	-2857 May 20 j 14:39	3°♉44'32	9.99098 AU
morning rise	-2857 Jun 07 j 04:21	6°♉01'22	
retrograde	-2857 Sep 19 j 04:49	14°♉13'55	
opposition	-2857 Nov 24 j 14:53	10°♉45'25	-1°29'28
min. Earth dist.	-2857 Nov 24 j 03:54	10°♉47'41	8.03440 AU
direct	-2856 Jan 30 j 22:15	7°♉15'07	
	-2856 May 11 j 19:52	15°♉	
evening set	-2856 May 16 j 00:04	15°♉31'32	
conjunction	-2856 Jun 03 j 04:20	17°♉51'36	-0°55'58
minimum elong	-2856 Jun 03 j 04:22	17°♉51'37	0°55'53
max. Earth dist.	-2856 Jun 03 j 18:36	17°♉56'13	10.08413 AU
morning rise	-2856 Jun 21 j 05:59	20°♉10'48	
retrograde	-2856 Oct 02 j 02:24	28°♉11'44	
opposition	-2856 Dec 07 j 14:15	24°♉44'47	-0°49'45
min. Earth dist.	-2856 Dec 07 j 03:24	24°♉47'01	8.13941 AU
direct	-2855 Feb 13 j 11:49	21°♉14'48	
evening set	-2855 May 30 j 19:19	29°♉24'19	
	-2855 Jun 04 j 12:58	0°♊	
conjunction	-2855 Jun 17 j 21:27	1°♊41'53	-0°23'10
minimum elong	-2855 Jun 17 j 21:29	1°♊41'53	0°23'04
max. Earth dist.	-2855 Jun 18 j 11:02	1°♊46'13	10.20056 AU
morning rise	-2855 Jul 05 j 19:47	3°♊58'14	
retrograde	-2855 Oct 15 j 15:20	11°♊46'58	
opposition	-2855 Dec 21 j 06:35	8°♊21'45	-0°08'20
min. Earth dist.	-2855 Dec 20 j 20:47	8°♊23'44	8.26443 AU
direct	-2854 Feb 27 j 19:22	4°♊52'24	
asc. node	-2854 Mar 07 j 15:51	4°♊55'39	
evening set	-2854 Jun 14 j 03:49	12°♊53'37	
conjunction	-2854 Jul 02 j 02:21	15°♊08'08	0°10'11
minimum elong	-2854 Jul 02 j 02:20	15°♊08'08	0°10'16
behind sun begin	-2854 Jul 01 j 20:37	15°♊06'21	
behind sun end	-2854 Jul 02 j 08:04	15°♊09'55	
max. Earth dist.	-2854 Jul 02 j 14:14	15°♊11'52	10.33305 AU
morning rise	-2854 Jul 19 j 20:18	17°♊21'12	
retrograde	-2854 Oct 28 j 16:35	24°♊58'00	
opposition	-2853 Jan 03 j 15:20	21°♊34'34	0°32'14
min. Earth dist.	-2853 Jan 03 j 07:20	21°♊36'11	8.40212 AU
direct	-2853 Mar 13 j 20:23	18°♊06'10	
evening set	-2853 Jun 28 j 00:55	25°♊58'22	
conjunction	-2853 Jul 15 j 18:46	28°♊09'30	0°42'00
minimum elong	-2853 Jul 15 j 18:44	28°♊09'30	0°42'05
max. Earth dist.	-2853 Jul 16 j 03:46	28°♊12'17	10.47415 AU
	-2853 Jul 30 j 16:54	0°♋	
morning rise	-2853 Aug 02 j 07:41	0°♋19'07	
retrograde	-2853 Nov 10 j 07:55	7°♋44'49	
opposition	-2852 Jan 16 j 16:26	4°♋23'09	1°09'50
min. Earth dist.	-2852 Jan 16 j 10:05	4°♋24'24	8.54500 AU
direct	-2852 Mar 26 j 13:24	0°♋55'55	
evening set	-2852 Jul 10 j 10:18	8°♋38'55	

Attention, astronomical year style is used: The year -2852 in astronomical counting style is the year 2853 BCE in historical counting style.

conjunction	-2852 Jul	27 j 22:52	10°♋46'37	1°10'55
minimum elong	-2852 Jul	27 j 22:49	10°♋46'36	1°11'00
max. Earth dist.	-2852 Jul	28 j 05:00	10°♋48'29	10.61655 AU
morning rise	-2852 Aug	14 j 06:21	12°♋52'45	
retrograde	-2852 Nov	21 j 16:44	20°♋08'40	
opposition	-2851 Jan	28 j 10:41	16°♋48'38	1°42'53
min. Earth dist.	-2851 Jan	28 j 05:45	16°♋49'35	8.68589 AU
direct	-2851 Apr	08 j 20:45	13°♋22'44	
evening set	-2851 Jul	23 j 08:06	20°♋56'42	
conjunction	-2851 Aug	09 j 15:14	23°♋01'07	1°35'48
minimum elong	-2851 Aug	09 j 15:11	23°♋01'06	1°35'52
max. Earth dist.	-2851 Aug	09 j 19:19	23°♋02'21	10.75350 AU
morning rise	-2851 Aug	26 j 17:13	25°♋03'59	
	-2851 Oct	13 j 12:51	0°♌	
retrograde	-2851 Dec	03 j 17:57	2°♌11'37	
	-2850 Jan	26 j 01:01	30°℞♋	
opposition	-2850 Feb	09 j 22:45	28°♋52'59	2°10'20
min. Earth dist.	-2850 Feb	09 j 19:26	28°♋53'37	8.81839 AU
direct	-2850 Apr	21 j 19:51	25°♋28'31	
	-2850 Jul	09 j 14:33	0°♌	
evening set	-2850 Aug	04 j 19:23	2°♌53'59	
conjunction	-2850 Aug	21 j 21:16	4°♌55'24	1°55'52
minimum elong	-2850 Aug	21 j 21:13	4°♌55'24	1°55'56
max. Earth dist.	-2850 Aug	21 j 23:27	4°♌56'03	10.87910 AU
morning rise	-2850 Sep	07 j 18:07	6°♌55'23	
retrograde	-2850 Dec	15 j 14:09	13°♌56'16	
opposition	-2849 Feb	22 j 05:21	10°♌38'51	2°31'29
min. Earth dist.	-2849 Feb	22 j 04:45	10°♌38'58	8.93700 AU
direct	-2849 May	04 j 11:05	7°♌15'44	
evening set	-2849 Aug	16 j 21:13	14°♌33'32	
	-2849 Aug	20 j 16:20	15°♌	
conjunction	-2849 Sep	02 j 18:14	16°♌32'22	2°10'41
minimum elong	-2849 Sep	02 j 18:12	16°♌32'21	2°10'44
max. Earth dist.	-2849 Sep	02 j 17:22	16°♌32'06	10.98834 AU
morning rise	-2849 Sep	19 j 10:46	18°♌29'54	
retrograde	-2849 Dec	27 j 05:32	25°♌25'39	
opposition	-2848 Mar	05 j 07:44	22°♌09'08	2°46'02
min. Earth dist.	-2848 Mar	05 j 09:54	22°♌08'44	9.03706 AU
direct	-2848 May	15 j 18:33	18°♌47'20	
evening set	-2848 Aug	27 j 14:51	25°♌58'23	
conjunction	-2848 Sep	13 j 07:39	27°♌55'06	2°20'01
minimum elong	-2848 Sep	13 j 07:37	27°♌55'06	2°20'04
max. Earth dist.	-2848 Sep	13 j 03:34	27°♌53'54	11.07718 AU
morning rise	-2848 Sep	29 j 20:46	29°♌50'45	
	-2848 Oct	01 j 05:03	0°♍	
retrograde	-2847 Jan	06 j 16:37	6°♍43'03	
opposition	-2847 Mar	17 j 06:47	3°♍27'04	2°53'51
min. Earth dist.	-2847 Mar	17 j 10:53	3°♍26'19	9.11483 AU
direct	-2847 May	27 j 22:20	0°♍06'26	
evening set	-2847 Sep	08 j 01:43	7°♍11'49	
conjunction	-2847 Sep	24 j 15:22	9°♍06'59	2°23'50
minimum elong	-2847 Sep	24 j 15:21	9°♍06'59	2°23'52
max. Earth dist.	-2847 Sep	24 j 09:16	9°♍05'12	11.14239 AU
morning rise	-2847 Oct	11 j 01:58	11°♍01'17	
retrograde	-2846 Jan	18 j 04:50	17°♍51'45	
opposition	-2846 Mar	29 j 03:28	14°♍35'59	2°55'02
min. Earth dist.	-2846 Mar	29 j 08:55	14°♍34'59	9.16736 AU
direct	-2846 Jun	08 j 20:28	11°♍16'21	
evening set	-2846 Sep	19 j 07:24	18°♍17'15	
conjunction	-2846 Oct	05 j 18:56	20°♍11'26	2°22'11
minimum elong	-2846 Oct	05 j 18:57	20°♍11'27	2°22'13
max. Earth dist.	-2846 Oct	05 j 11:21	20°♍09'14	11.18127 AU
morning rise	-2846 Oct	22 j 04:00	22°♍05'00	
retrograde	-2845 Jan	29 j 15:41	28°♍55'15	
opposition	-2845 Apr	09 j 23:07	25°♍39'24	2°49'44
min. Earth dist.	-2845 Apr	10 j 06:46	25°♍38'00	9.19225 AU
direct	-2845 Jun	20 j 12:47	22°♍20'33	
evening set	-2845 Sep	30 j 09:53	29°♍18'22	
	-2845 Oct	06 j 11:14	0°♎	
conjunction	-2845 Oct	16 j 20:04	1°♎12'09	2°15'17
minimum elong	-2845 Oct	16 j 20:05	1°♎12'09	2°15'16
max. Earth dist.	-2845 Oct	16 j 09:49	1°♎09'10	11.19193 AU
morning rise	-2845 Nov	02 j 04:44	3°♎05'34	
retrograde	-2844 Feb	10 j 04:16	9°♎57'19	
opposition	-2844 Apr	20 j 18:55	6°♎41'06	2°38'14
min. Earth dist.	-2844 Apr	21 j 04:59	6°♎39'15	9.18830 AU
direct	-2844 Jul	01 j 04:32	3°♎22'48	
evening set	-2844 Oct	10 j 10:54	10°♎19'00	
conjunction	-2844 Oct	26 j 20:41	12°♎12'58	2°03'22
minimum elong	-2844 Oct	26 j 20:43	12°♎12'59	2°03'20
max. Earth dist.	-2844 Oct	26 j 08:07	12°♎09'19	11.17401 AU
morning rise	-2844 Nov	12 j 06:03	14°♎06'51	
retrograde	-2843 Feb	20 j 19:02	21°♎01'48	
opposition	-2843 May	02 j 16:07	17°♎44'51	2°20'52
min. Earth dist.	-2843 May	03 j 03:23	17°♎42'48	9.15598 AU
direct	-2843 Jul	12 j 18:55	14°♎26'53	
evening set	-2843 Oct	21 j 12:02	21°♎22'56	
conjunction	-2843 Nov	06 j 22:32	23°♎17'39	1°46'46
minimum elong	-2843 Nov	06 j 22:35	23°♎17'39	1°46'44
max. Earth dist.	-2843 Nov	06 j 09:40	23°♎13'52	11.12855 AU
morning rise	-2843 Nov	23 j 09:20	25°♎12'31	
	-2842 Jan	10 j 06:58	0°♏	
retrograde	-2842 Mar	04 j 16:01	2°♏12'18	
	-2842 Apr	29 j 10:31	30°℞♎	
opposition	-2842 May	14 j 15:43	28°♎54'19	1°58'05
min. Earth dist.	-2842 May	15 j 03:00	28°♎52'15	9.09682 AU
direct	-2842 Jul	24 j 10:41	25°♎36'24	
	-2842 Oct	09 j 07:18	0°♏	
evening set	-2842 Nov	01 j 15:34	2°♏33'48	
conjunction	-2842 Nov	18 j 03:28	4°♏29'46	1°25'56
minimum elong	-2842 Nov	18 j 03:31	4°♏29'47	1°25'53
max. Earth dist.	-2842 Nov	17 j 14:27	4°♏25'55	11.05737 AU
morning rise	-2842 Dec	04 j 16:26	6°♏26'09	
retrograde	-2841 Mar	16 j 18:16	13°♏32'15	
opposition	-2841 May	26 j 18:49	10°♏13'01	1°30'24
min. Earth dist.	-2841 May	27 j 06:09	10°♏10'55	9.01314 AU
direct	-2841 Aug	05 j 01:52	6°♏54'53	
evening set	-2841 Nov	12 j 23:13	13°♏55'11	
	-2841 Nov	22 j 03:27	15°♏	
conjunction	-2841 Nov	29 j 12:59	15°♏52'49	1°01'26
minimum elong	-2841 Nov	29 j 13:01	15°♏52'50	1°01'23
max. Earth dist.	-2841 Nov	28 j 23:14	15°♏48'43	10.96321 AU
morning rise	-2841 Dec	16 j 04:55	17°♏51'11	
retrograde	-2840 Mar	28 j 02:22	25°♏05'09	
opposition	-2840 Jun	07 j 02:49	21°♏44'25	0°58'34
min. Earth dist.	-2840 Jun	07 j 14:24	21°♏42'15	8.90821 AU
direct	-2840 Aug	15 j 21:10	18°♏25'47	
evening set	-2840 Nov	23 j 12:41	25°♏30'35	
conjunction	-2840 Dec	10 j 04:55	27°♏30'20	0°33'58
minimum elong	-2840 Dec	10 j 04:57	27°♏30'20	0°33'53
max. Earth dist.	-2840 Dec	09 j 15:28	27°♏26'17	10.84960 AU
morning rise	-2840 Dec	27 j 00:19	29°♏31'03	

Attention, astronomical year style is used: The year -2840 in astronomical counting style is the year 2841 BCE in historical counting style.

	-2840 Dec 31 j 03:02	0°♐		
retrograde	-2839 Apr 09 j 19:19	6°♐54'19		
opposition	-2839 Jun 19 j 16:23	3°♐31'56	0°23'28	
min. Earth dist.	-2839 Jun 20 j 03:23	3°♐29'51	8.78598 AU	
direct	-2839 Aug 27 j 21:46	0°♐12'34		
evening set	-2839 Dec 05 j 10:06	7°♐23'28		
conjunction	-2839 Dec 22 j 05:22	9°♐25'41	0°04'28	
minimum elong	-2839 Dec 22 j 05:22	9°♐25'40	0°04'23	
behind sun begin	-2839 Dec 21 j 22:27	9°♐23'35		
behind sun end	-2839 Dec 22 j 12:16	9°♐27'46		
max. Earth dist.	-2839 Dec 21 j 17:35	9°♐22'06	10.72070 AU	
morning rise	-2838 Jan 08 j 04:22	11°♐29'06		
desc. node	-2838 Feb 14 j 23:10	15°♐36'42		
retrograde	-2838 Apr 22 j 20:35	19°♐02'50		
opposition	-2838 Jul 02 j 12:07	15°♐38'43	-0°13'42	
min. Earth dist.	-2838 Jul 02 j 21:25	15°♐36'56	8.65117 AU	
direct	-2838 Sep 09 j 03:14	12°♐18'26		
evening set	-2838 Dec 17 j 17:09	19°♐37'00		
conjunction	-2837 Jan 03 j 15:40	21°♐41'56	-0°26'08	
minimum elong	-2837 Jan 03 j 15:39	21°♐41'56	0°26'14	
max. Earth dist.	-2837 Jan 03 j 06:05	21°♐38'59	10.58162 AU	
morning rise	-2837 Jan 20 j 18:25	23°♐48'17		
	-2837 Mar 23 j 14:10	0°♑		
retrograde	-2837 May 06 j 08:22	1°♑33'26		
	-2837 Jun 20 j 00:04	30°℞♐		
opposition	-2837 Jul 15 j 15:09	28°♐07'35	-0°51'27	
min. Earth dist.	-2837 Jul 15 j 22:02	28°♐06'15	8.50937 AU	
direct	-2837 Sep 21 j 16:01	24°♐46'14		
	-2837 Dec 11 j 16:09	0°♑		
evening set	-2837 Dec 30 j 11:16	2°♑13'46		
conjunction	-2836 Jan 16 j 13:09	4°♑21'38	-0°56'14	
minimum elong	-2836 Jan 16 j 13:06	4°♑21'38	0°56'20	
max. Earth dist.	-2836 Jan 16 j 05:21	4°♑19'11	10.43849 AU	
morning rise	-2836 Feb 02 j 19:49	6°♑31'05		
retrograde	-2836 May 19 j 06:39	14°♑28'05		
opposition	-2836 Jul 28 j 01:51	11°♑00'35	-1°27'57	
min. Earth dist.	-2836 Jul 28 j 06:35	10°♑59'39	8.36710 AU	
direct	-2836 Oct 03 j 11:33	7°♑38'01		
evening set	-2835 Jan 11 j 17:54	15°♑15'36		
conjunction	-2835 Jan 28 j 23:17	17°♑26'29	-1°24'21	
minimum elong	-2835 Jan 28 j 23:14	17°♑26'28	1°24'25	
max. Earth dist.	-2835 Jan 28 j 17:34	17°♑24'39	10.29819 AU	
morning rise	-2835 Feb 15 j 09:54	19°♑39'02		
retrograde	-2835 Jun 02 j 14:01	27°♑47'36		
opposition	-2835 Aug 10 j 20:00	24°♑18'39	-2°01'02	
min. Earth dist.	-2835 Aug 10 j 22:46	24°♑18'06	8.23155 AU	
direct	-2835 Oct 16 j 16:08	20°♑54'44		
evening set	-2834 Jan 25 j 13:25	28°♑43'01		
	-2834 Feb 04 j 14:25	0°♒		
conjunction	-2834 Feb 11 j 22:32	0°♒56'51	-1°48'40	
minimum elong	-2834 Feb 11 j 22:28	0°♒56'50	1°48'44	
max. Earth dist.	-2834 Feb 11 j 19:40	0°♒55'56	10.16815 AU	
morning rise	-2834 Mar 01 j 12:56	3°♒12'23		
retrograde	-2834 Jun 17 j 03:49	11°♒31'28		
opposition	-2834 Aug 24 j 21:21	8°♒01'19	-2°28'23	
min. Earth dist.	-2834 Aug 24 j 21:49	8°♒01'13	8.11021 AU	
direct	-2834 Oct 30 j 08:00	4°♒36'04		
evening set	-2833 Feb 08 j 21:27	12°♒34'53		
conjunction	-2833 Feb 26 j 10:26	14°♒51'31	-2°07'22	
minimum elong	-2833 Feb 26 j 10:23	14°♒51'30	2°07'25	
max. Earth dist.	-2833 Feb 26 j 11:26	14°♒51'51	10.05601 AU	
	-2833 Feb 27 j 12:23	15°♒		
morning rise	-2833 Mar 16 j 04:20	17°♒09'44		
retrograde	-2833 Jul 02 j 00:19	25°♒37'19		
opposition	-2833 Sep 08 j 04:52	22°♒06'18	-2°47'40	
min. Earth dist.	-2833 Sep 08 j 02:30	22°♒06'48	8.01050 AU	
direct	-2833 Nov 13 j 08:11	18°♒39'47		
evening set	-2832 Feb 23 j 17:07	26°♒48'12		
conjunction	-2832 Mar 12 j 10:04	29°♒07'19	-2°18'46	
minimum elong	-2832 Mar 12 j 10:03	29°♒07'18	2°18'48	
max. Earth dist.	-2832 Mar 12 j 15:17	29°♒09'02	9.96912 AU	
	-2832 Mar 19 j 02:00	0°♓		
morning rise	-2832 Mar 30 j 07:13	1°♓27'48		
retrograde	-2832 Jul 16 j 01:27	10°♓00'52		
opposition	-2832 Sep 21 j 16:51	6°♓29'25	-2°56'56	
min. Earth dist.	-2832 Sep 21 j 11:23	6°♓30'33	7.93909 AU	
direct	-2832 Nov 26 j 15:40	3°♓01'44		
evening set	-2831 Mar 09 j 22:12	11°♓17'59		
conjunction	-2831 Mar 27 j 19:00	13°♓39'04	-2°21'38	
minimum elong	-2831 Mar 27 j 19:00	13°♓39'04	2°21'40	
max. Earth dist.	-2831 Mar 28 j 03:59	13°♓42'02	9.91358 AU	
morning rise	-2831 Apr 14 j 19:01	16°♓01'13		
retrograde	-2831 Jul 31 j 04:15	24°♓36'03		
opposition	-2831 Oct 06 j 07:29	21°♓04'37	-2°54'58	
min. Earth dist.	-2831 Oct 05 j 23:22	21°♓06'19	7.90103 AU	
direct	-2831 Dec 11 j 05:25	17°♓36'00		
evening set	-2830 Mar 25 j 09:29	25°♓57'31		
conjunction	-2830 Apr 12 j 09:40	28°♓19'52	-2°15'26	
minimum elong	-2830 Apr 12 j 09:43	28°♓19'52	2°15'26	
max. Earth dist.	-2830 Apr 12 j 21:47	28°♓23'53	9.89353 AU	
	-2830 Apr 25 j 00:35	0°♈		
morning rise	-2830 Apr 30 j 11:56	0°♈42'53		
retrograde	-2830 Aug 15 j 05:20	9°♈15'30		
opposition	-2830 Oct 20 j 22:24	5°♈44'34	-2°41'35	
min. Earth dist.	-2830 Oct 20 j 12:22	5°♈46'40	7.89926 AU	
direct	-2830 Dec 26 j 00:48	2°♈15'15		
evening set	-2829 Apr 09 j 23:20	10°♈39'00		
conjunction	-2829 Apr 28 j 02:12	13°♈01'46	-2°00'28	
minimum elong	-2829 Apr 28 j 02:15	13°♈01'48	2°00'27	
max. Earth dist.	-2829 Apr 28 j 16:30	13°♈06'30	9.91069 AU	
morning rise	-2829 May 16 j 05:51	15°♈24'48		
retrograde	-2829 Aug 30 j 00:19	23°♈51'21		
opposition	-2829 Nov 04 j 11:15	20°♈21'22	-2°17'45	
min. Earth dist.	-2829 Nov 04 j 00:16	20°♈23'40	7.93414 AU	
direct	-2828 Jan 09 j 22:21	16°♈51'38		
evening set	-2828 Apr 24 j 11:52	25°♈14'24		
conjunction	-2828 May 12 j 16:18	27°♈36'41	-1°37'54	
minimum elong	-2828 May 12 j 16:22	27°♈36'43	1°37'51	
max. Earth dist.	-2828 May 13 j 07:28	27°♈41'40	9.96375 AU	
morning rise	-2828 May 30 j 20:12	29°♈58'45		
	-2828 May 31 j 00:04	0°♉		
retrograde	-2828 Sep 12 j 11:18	8°♉16'08		
opposition	-2828 Nov 17 j 19:58	4°♉47'27	-1°45'27	
min. Earth dist.	-2828 Nov 17 j 08:54	4°♉49'45	8.00302 AU	
direct	-2827 Jan 23 j 19:17	1°♉17'36		
evening set	-2827 May 09 j 19:31	9°♉36'28		
conjunction	-2827 May 28 j 00:01	11°♉57'19	-1°09'32	
minimum elong	-2827 May 28 j 00:04	11°♉57'20	1°09'28	
max. Earth dist.	-2827 May 28 j 14:46	12°♉02'07	10.04853 AU	
morning rise	-2827 Jun 15 j 02:41	14°♉17'31		
	-2827 Jun 20 j 17:23	15°♉		
retrograde	-2827 Sep 26 j 12:52	22°♉23'37		

Attention, astronomical year style is used: The year -2827 in astronomical counting style is the year 2828 BCE in historical counting style.

opposition	-2827 Dec 01 j 22:42	18°♉56'29	-1°07'22
min. Earth dist.	-2827 Dec 01 j 11:53	18°♉58'42	8.10071 AU
direct	-2826 Feb 07 j 12:41	15°♉26'51	
evening set	-2826 May 24 j 19:09	23°♉39'24	
conjunction	-2826 Jun 11 j 22:11	25°♉58'00	-0°37'35
minimum elong	-2826 Jun 11 j 22:12	25°♉58'01	0°37'31
max. Earth dist.	-2826 Jun 12 j 11:43	26°♉02'21	10.15861 AU
morning rise	-2826 Jun 29 j 22:12	28°♉15'35	
	-2826 Jul 14 j 02:48	0°♊	
retrograde	-2826 Oct 10 j 04:49	6°♊09'27	
opposition	-2826 Dec 15 j 18:17	2°♊43'59	-0°26'21
min. Earth dist.	-2826 Dec 15 j 08:08	2°♊46'02	8.21995 AU
	-2825 Jan 23 j 14:38	30℞♉	
direct	-2825 Feb 22 j 00:24	29°♉14'50	
	-2825 Mar 23 j 08:55	0°♊	
evening set	-2825 Jun 08 j 08:35	7°♊19'30	
conjunction	-2825 Jun 26 j 08:46	9°♊35'17	-0°04'19
minimum elong	-2825 Jun 26 j 08:46	9°♊35'16	0°04'14
behind sun begin	-2825 Jun 26 j 01:35	9°♊33'02	
behind sun end	-2825 Jun 26 j 15:56	9°♊37'31	
max. Earth dist.	-2825 Jun 26 j 20:25	9°♊38'57	10.28579 AU
morning rise	-2825 Jul 14 j 04:54	11°♊49'44	
asc. node	-2825 Aug 13 j 20:12	15°♊22'53	
retrograde	-2825 Oct 23 j 10:35	19°♊31'27	
opposition	-2825 Dec 29 j 06:19	16°♊07'44	0°14'51
min. Earth dist.	-2825 Dec 28 j 21:19	16°♊09'32	8.35232 AU
direct	-2824 Mar 07 j 05:03	12°♊39'24	
evening set	-2824 Jun 21 j 11:03	20°♊35'24	
conjunction	-2824 Jul 09 j 07:08	22°♊47'57	0°28'27
minimum elong	-2824 Jul 09 j 07:06	22°♊47'57	0°28'32
max. Earth dist.	-2824 Jul 09 j 16:46	22°♊50'57	10.42197 AU
morning rise	-2824 Jul 26 j 22:19	24°♊59'01	
	-2824 Sep 11 j 11:33	0°♋	
retrograde	-2824 Nov 04 j 07:37	2°♋29'24	
	-2824 Dec 30 j 05:59	30℞♊	
opposition	-2823 Jan 10 j 10:56	29°♊07'25	0°53'58
min. Earth dist.	-2823 Jan 10 j 03:46	29°♊08'50	8.49061 AU
direct	-2823 Mar 21 j 00:48	25°♊40'06	
	-2823 Jun 04 j 12:34	0°♋	
evening set	-2823 Jul 05 j 01:57	3°♋27'07	
conjunction	-2823 Jul 22 j 17:02	5°♋36'18	0°58'49
minimum elong	-2823 Jul 22 j 16:59	5°♋36'18	0°58'54
max. Earth dist.	-2823 Jul 23 j 00:25	5°♋38'35	10.56069 AU
morning rise	-2823 Aug 09 j 02:46	7°♋43'54	
retrograde	-2823 Nov 16 j 20:56	15°♋04'06	
opposition	-2822 Jan 23 j 08:39	11°♋43'42	1°29'11
min. Earth dist.	-2822 Jan 23 j 03:59	11°♋44'37	8.62878 AU
direct	-2822 Apr 03 j 11:24	8°♋17'31	
evening set	-2822 Jul 18 j 05:11	15°♋55'32	
conjunction	-2822 Aug 04 j 14:47	18°♋01'25	1°25'35
minimum elong	-2822 Aug 04 j 14:43	18°♋01'24	1°25'39
max. Earth dist.	-2822 Aug 04 j 19:00	18°♋02'42	10.69603 AU
morning rise	-2822 Aug 21 j 19:06	20°♋05'43	
retrograde	-2822 Nov 29 j 00:24	27°♋17'03	
opposition	-2821 Feb 04 j 23:46	23°♋58'02	1°59'12
min. Earth dist.	-2821 Feb 04 j 21:36	23°♋58'27	8.76083 AU
direct	-2821 Apr 16 j 15:06	20°♋33'01	
evening set	-2821 Jul 30 j 21:35	28°♋02'28	
	-2821 Aug 16 j 08:16	0°♌	
conjunction	-2821 Aug 17 j 01:40	0°♌05'13	1°47'50
minimum elong	-2821 Aug 17 j 01:37	0°♌05'12	1°47'53
max. Earth dist.	-2821 Aug 17 j 02:30	0°♌05'28	10.82230 AU
morning rise	-2821 Sep 03 j 00:52	2°♌06'31	
retrograde	-2821 Dec 10 j 22:06	9°♌10'29	
opposition	-2820 Feb 17 j 08:56	5°♌52'34	2°23'11
min. Earth dist.	-2820 Feb 17 j 08:39	5°♌52'38	8.88120 AU
direct	-2820 Apr 28 j 11:40	2°♌28'45	
evening set	-2820 Aug 11 j 03:48	9°♌50'15	
conjunction	-2820 Aug 28 j 02:53	11°♌50'16	2°04'59
minimum elong	-2820 Aug 28 j 02:50	11°♌50'15	2°05'02
max. Earth dist.	-2820 Aug 28 j 01:20	11°♌49'48	10.93441 AU
morning rise	-2820 Sep 13 j 21:23	13°♌48'56	
	-2820 Sep 24 j 06:14	15°♌	
retrograde	-2820 Dec 21 j 16:03	20°♌47'10	
opposition	-2819 Feb 28 j 13:23	17°♌30'04	2°40'39
min. Earth dist.	-2819 Feb 28 j 14:37	17°♌29'50	8.98509 AU
	-2819 Apr 07 j 06:03	15℞♌	
direct	-2819 May 10 j 23:17	14°♌07'26	
	-2819 Jun 13 j 06:40	15°♌	
evening set	-2819 Aug 23 j 00:56	21°♌21'46	
conjunction	-2819 Sep 08 j 19:42	23°♌19'30	2°16'43
minimum elong	-2819 Sep 08 j 19:40	23°♌19'29	2°16'46
max. Earth dist.	-2819 Sep 08 j 16:41	23°♌18'36	11.02810 AU
morning rise	-2819 Sep 25 j 10:13	25°♌16'03	
	-2819 Nov 11 j 09:27	0°♍	
retrograde	-2818 Jan 02 j 05:47	2°♍10'10	
	-2818 Feb 25 j 09:24	30℞♌	
opposition	-2818 Mar 12 j 14:02	28°♌53'36	2°51'25
min. Earth dist.	-2818 Mar 12 j 17:29	28°♌52'57	9.06874 AU
direct	-2818 May 23 j 04:14	25°♌32'02	
	-2818 Aug 10 j 01:41	0°♍	
evening set	-2818 Sep 03 j 14:49	2°♍40'17	
conjunction	-2818 Sep 20 j 05:56	4°♍36'14	2°22'55
minimum elong	-2818 Sep 20 j 05:55	4°♍36'14	2°22'57
max. Earth dist.	-2818 Sep 20 j 00:29	4°♍34'38	11.10011 AU
morning rise	-2818 Oct 06 j 17:32	6°♍31'13	
retrograde	-2817 Jan 13 j 17:16	13°♍22'48	
opposition	-2817 Mar 24 j 11:45	10°♍06'31	2°55'28
min. Earth dist.	-2817 Mar 24 j 17:51	10°♍05'24	9.12930 AU
direct	-2817 Jun 04 j 03:42	6°♍45'55	
evening set	-2817 Sep 14 j 22:53	13°♍49'15	
conjunction	-2817 Oct 01 j 11:14	15°♍43'59	2°23'36
minimum elong	-2817 Oct 01 j 11:14	15°♍43'59	2°23'38
max. Earth dist.	-2817 Oct 01 j 02:56	15°♍41'33	11.14817 AU
morning rise	-2817 Oct 17 j 21:02	17°♍38'00	
retrograde	-2816 Jan 25 j 02:41	24°♍28'41	
opposition	-2816 Apr 04 j 07:59	21°♍12'23	2°52'55
min. Earth dist.	-2816 Apr 04 j 15:37	21°♍10'59	9.16481 AU
direct	-2816 Jun 14 j 23:19	17°♍52'37	
evening set	-2816 Sep 25 j 02:37	24°♍52'17	
conjunction	-2816 Oct 11 j 13:19	26°♍46'22	2°18'56
minimum elong	-2816 Oct 11 j 13:20	26°♍46'22	2°18'56
max. Earth dist.	-2816 Oct 11 j 03:54	26°♍43'37	11.17073 AU
morning rise	-2816 Oct 27 j 22:14	28°♍39'58	
	-2816 Nov 08 j 20:55	0°♎	
retrograde	-2815 Feb 04 j 16:02	5°♎31'28	
opposition	-2815 Apr 16 j 03:46	2°♎14'52	2°44'02
min. Earth dist.	-2815 Apr 16 j 12:02	2°♎13'21	9.17409 AU
	-2815 May 19 j 22:54	30℞♍	
direct	-2815 Jun 26 j 17:20	28°♍55'48	
	-2815 Aug 02 j 13:53	0°♎	
evening set	-2815 Oct 06 j 04:04	5°♎53'06	

Attention, astronomical year style is used: The year -2815 in astronomical counting style is the year 2816 BCE in historical counting style.

conjunction	-2815 Oct 22 j 14:09	7°♎47'07	2°09'06
minimum elong	-2815 Oct 22 j 14:11	7°♎47'08	2°09'05
max. Earth dist.	-2815 Oct 22 j 04:09	7°♎44'12	11.16700 AU
morning rise	-2815 Nov 07 j 23:06	9°♎40'54	
retrograde	-2814 Feb 16 j 06:03	16°♎34'44	
opposition	-2814 Apr 28 j 00:11	13°♎17'37	2°29'06
min. Earth dist.	-2814 Apr 28 j 09:22	13°♎15'57	9.15685 AU
direct	-2814 Jul 08 j 06:19	9°♎59'05	
evening set	-2814 Oct 17 j 05:03	16°♎55'28	
conjunction	-2814 Nov 02 j 15:17	18°♎49'57	1°54'26
minimum elong	-2814 Nov 02 j 15:19	18°♎49'58	1°54'25
max. Earth dist.	-2814 Nov 02 j 03:43	18°♎46'34	11.13706 AU
morning rise	-2814 Nov 19 j 01:23	20°♎44'28	
retrograde	-2813 Feb 27 j 23:58	27°♎42'16	
opposition	-2813 May 09 j 22:41	24°♎24'24	2°08'31
min. Earth dist.	-2813 May 10 j 09:18	24°♎22'27	9.11356 AU
direct	-2813 Jul 19 j 20:40	21°♎06'09	
evening set	-2813 Oct 28 j 07:21	28°♎03'07	
conjunction	-2813 Nov 13 j 18:27	29°♎58'33	1°35'20
minimum elong	-2813 Nov 13 j 18:30	29°♎58'34	1°35'18
max. Earth dist.	-2813 Nov 13 j 05:48	29°♎54'50	11.08180 AU
	-2813 Nov 13 j 23:21	0°♏	
morning rise	-2813 Nov 30 j 06:33	1°♏54'20	
retrograde	-2812 Mar 10 j 22:44	8°♏57'42	
opposition	-2812 May 21 j 00:19	5°♏38'50	1°42'48
min. Earth dist.	-2812 May 21 j 11:20	5°♏36'48	9.04566 AU
direct	-2812 Jul 30 j 12:11	2°♏20'39	
evening set	-2812 Nov 07 j 12:55	9°♏19'43	
conjunction	-2812 Nov 24 j 01:48	11°♏16'36	1°12'18
minimum elong	-2812 Nov 24 j 01:51	11°♏16'37	1°12'16
max. Earth dist.	-2812 Nov 23 j 13:41	11°♏13'00	11.00300 AU
morning rise	-2812 Dec 10 j 16:27	13°♏14'06	
	-2812 Dec 26 j 07:31	15°♏	
retrograde	-2811 Mar 23 j 04:12	20°♏24'35	
opposition	-2811 Jun 02 j 06:01	17°♏04'29	1°12'36
min. Earth dist.	-2811 Jun 02 j 16:15	17°♏02'35	8.95549 AU
	-2811 Jul 02 j 11:27	15℞♏	
direct	-2811 Aug 11 j 06:46	13°♏46'09	
	-2811 Sep 18 j 22:14	15°♏	
evening set	-2811 Nov 18 j 23:38	20°♏48'52	
conjunction	-2811 Dec 05 j 14:53	22°♏47'40	0°45'58
minimum elong	-2811 Dec 05 j 14:54	22°♏47'40	0°45'55
max. Earth dist.	-2811 Dec 05 j 03:41	22°♏44'18	10.90329 AU
morning rise	-2811 Dec 22 j 08:35	24°♏47'17	
	-2810 Feb 11 j 21:05	0°♐	
retrograde	-2810 Apr 04 j 19:02	2°♐06'19	
	-2810 May 28 j 13:24	30℞♏	
opposition	-2810 Jun 14 j 16:56	28°♏44'50	0°38'44
min. Earth dist.	-2810 Jun 15 j 02:07	28°♏43'06	8.84615 AU
direct	-2810 Aug 23 j 04:22	25°♏26'06	
	-2810 Nov 08 j 01:00	0°♐	
evening set	-2810 Nov 30 j 17:34	2°♐34'03	
conjunction	-2810 Dec 17 j 11:24	4°♐35'05	0°17'11
minimum elong	-2810 Dec 17 j 11:25	4°♐35'05	0°17'06
max. Earth dist.	-2810 Dec 17 j 00:23	4°♐31'45	10.78626 AU
morning rise	-2809 Jan 03 j 08:40	6°♐37'14	
retrograde	-2809 Apr 17 j 17:09	14°♐06'02	
opposition	-2809 Jun 27 j 10:00	10°♐43'04	0°02'17
min. Earth dist.	-2809 Jun 27 j 18:32	10°♐41'27	8.72186 AU
desc. node	-2809 Jul 20 j 13:01	9°♐02'41	
direct	-2809 Sep 04 j 05:38	7°♐23'41	
evening set	-2809 Dec 12 j 20:19	14°♐38'26	
conjunction	-2809 Dec 29 j 17:08	16°♐42'00	-0°13'07
minimum elong	-2809 Dec 29 j 17:07	16°♐42'00	0°13'13
behind sun begin	-2809 Dec 29 j 12:54	16°♐40'43	
behind sun end	-2809 Dec 29 j 21:20	16°♐43'17	
max. Earth dist.	-2809 Dec 29 j 06:53	16°♐38'52	10.65657 AU
morning rise	-2808 Jan 15 j 18:14	18°♐46'55	
retrograde	-2808 Apr 29 j 23:15	26°♐26'33	
opposition	-2808 Jul 09 j 09:57	23°♐02'00	-0°35'23
min. Earth dist.	-2808 Jul 09 j 17:31	23°♐00'33	8.58774 AU
direct	-2808 Sep 15 j 16:07	19°♐41'42	
evening set	-2808 Dec 24 j 09:23	27°♐04'38	
conjunction	-2807 Jan 10 j 09:35	29°♐11'00	-0°43'32
minimum elong	-2807 Jan 10 j 09:33	29°♐10'59	0°43'38
max. Earth dist.	-2807 Jan 10 j 01:26	29°♐08'27	10.51948 AU
	-2807 Jan 16 j 22:51	0°♑	
morning rise	-2807 Jan 27 j 14:32	1°♑18'52	
retrograde	-2807 May 13 j 16:03	9°♑09'56	
opposition	-2807 Jul 22 j 17:06	5°♑43'47	-1°12'35
min. Earth dist.	-2807 Jul 22 j 22:57	5°♑42'39	8.44932 AU
direct	-2807 Sep 28 j 09:28	2°♑22'22	
evening set	-2806 Jan 06 j 10:17	9°♑54'40	
conjunction	-2806 Jan 23 j 14:03	12°♑03'56	-1°12'39
minimum elong	-2806 Jan 23 j 14:00	12°♑03'55	1°12'44
max. Earth dist.	-2806 Jan 23 j 08:33	12°♑02'12	10.38065 AU
morning rise	-2806 Feb 09 j 22:43	14°♑14'50	
retrograde	-2806 May 27 j 18:30	22°♑17'25	
opposition	-2806 Aug 05 j 07:27	18°♑49'44	-1°47'19
min. Earth dist.	-2806 Aug 05 j 10:52	18°♑49'03	8.31245 AU
direct	-2806 Oct 11 j 10:18	15°♑27'03	
evening set	-2805 Jan 19 j 23:40	23°♑09'37	
conjunction	-2805 Feb 06 j 07:04	25°♑21'51	-1°38'45
minimum elong	-2805 Feb 06 j 07:00	25°♑21'50	1°38'50
max. Earth dist.	-2805 Feb 06 j 03:57	25°♑20'51	10.24639 AU
morning rise	-2805 Feb 23 j 19:27	27°♑35'44	
	-2805 Mar 15 j 15:18	0°♒	
retrograde	-2805 Jun 11 j 05:36	5°♒49'19	
opposition	-2805 Aug 19 j 05:15	2°♒20'18	-2°17'20
min. Earth dist.	-2805 Aug 19 j 06:12	2°♒20'06	8.18383 AU
	-2805 Sep 20 j 07:32	30℞♑	
direct	-2805 Oct 24 j 20:16	28°♑56'17	
	-2805 Nov 27 j 18:10	0°♒	
evening set	-2804 Feb 03 j 01:44	6°♒49'27	
conjunction	-2804 Feb 20 j 12:52	9°♒04'35	-2°00'02
minimum elong	-2804 Feb 20 j 12:49	9°♒04'34	2°00'06
max. Earth dist.	-2804 Feb 20 j 12:16	9°♒04'23	10.12422 AU
morning rise	-2804 Mar 09 j 04:57	11°♒21'20	
	-2804 Apr 08 j 15:57	15°♒	
retrograde	-2804 Jun 25 j 00:13	19°♒44'27	
opposition	-2804 Sep 01 j 09:42	16°♒14'21	-2°40'18
min. Earth dist.	-2804 Sep 01 j 08:19	16°♒14'38	8.07155 AU
	-2804 Sep 16 j 23:08	15℞♒	
direct	-2804 Nov 06 j 14:58	12°♒48'56	
	-2804 Dec 25 j 17:16	15°♒	
evening set	-2803 Feb 16 j 16:06	20°♒52'18	
conjunction	-2803 Mar 06 j 07:04	23°♒10'05	-2°14'45
minimum elong	-2803 Mar 06 j 07:02	23°♒10'04	2°14'47
max. Earth dist.	-2803 Mar 06 j 09:06	23°♒10'45	10.02256 AU
morning rise	-2803 Mar 24 j 02:40	25°♒29'21	
	-2803 May 01 j 06:11	0°♓	
retrograde	-2803 Jul 09 j 23:44	3°♓59'25	
opposition	-2803 Sep 15 j 19:21	0°♓28'35	-2°54'06
min. Earth dist.	-2803 Sep 15 j 15:59	0°♓29'17	7.98359 AU

Attention, astronomical year style is used: The year -2803 in astronomical counting style is the year 2804 BCE in historical counting style.

	-2803 Sep 21 j 14:17	30°℞♒	
direct	-2803 Nov 20 j 18:42	27°♒01'47	
	-2802 Jan 17 j 11:11	0°♓	
evening set	-2802 Mar 03 j 16:47	5°♓13'58	
conjunction	-2802 Mar 21 j 11:35	7°♓33'58	-2°21'26
minimum elong	-2802 Mar 21 j 11:35	7°♓33'58	2°21'28
max. Earth dist.	-2802 Mar 21 j 16:45	7°♓35'40	9.94887 AU
morning rise	-2802 Apr 08 j 10:21	9°♓55'14	
retrograde	-2802 Jul 25 j 01:17	18°♓28'52	
opposition	-2802 Sep 30 j 08:37	14°♓57'41	-2°57'09
min. Earth dist.	-2802 Sep 30 j 03:12	14°♓58'49	7.92635 AU
direct	-2802 Dec 05 j 06:32	11°♓29'40	
evening set	-2801 Mar 19 j 00:50	19°♓48'23	
conjunction	-2801 Apr 05 j 23:20	22°♓10'01	-2°19'15
minimum elong	-2801 Apr 05 j 23:22	22°♓10'02	2°19'15
max. Earth dist.	-2801 Apr 06 j 07:50	22°♓12'50	9.90861 AU
morning rise	-2801 Apr 24 j 00:45	24°♓32'35	
	-2801 Jun 10 j 03:04	0°♈	
retrograde	-2801 Aug 09 j 01:38	3°♈05'54	
	-2801 Oct 09 j 22:20	30°℞♓	
opposition	-2801 Oct 14 j 23:08	29°♓34'49	-2°48'47
min. Earth dist.	-2801 Oct 14 j 15:36	29°♓36'23	7.90396 AU
direct	-2801 Dec 20 j 00:47	26°♓05'46	
	-2800 Feb 25 j 03:46	0°♈	
evening set	-2800 Apr 02 j 13:15	4°♈28'12	
conjunction	-2800 Apr 20 j 14:57	6°♈50'44	-2°08'05
minimum elong	-2800 Apr 20 j 15:01	6°♈50'45	2°08'04
max. Earth dist.	-2800 Apr 21 j 02:15	6°♈54'28	9.90466 AU
morning rise	-2800 May 08 j 18:14	9°♈13'44	
retrograde	-2800 Aug 22 j 21:21	17°♈42'47	
opposition	-2800 Oct 28 j 12:26	14°♈12'15	-2°29'26
min. Earth dist.	-2800 Oct 28 j 03:06	14°♈14'12	7.91792 AU
direct	-2799 Jan 02 j 21:14	10°♈42'29	
evening set	-2799 Apr 18 j 02:08	19°♈05'31	
conjunction	-2799 May 06 j 06:04	21°♈28'03	-1°48'44
minimum elong	-2799 May 06 j 06:08	21°♈28'05	1°48'42
max. Earth dist.	-2799 May 06 j 19:25	21°♈32'27	9.93707 AU
morning rise	-2799 May 24 j 10:03	23°♈50'34	
	-2799 Jul 18 j 22:18	0°♉	
retrograde	-2799 Sep 06 j 11:21	2°♉11'59	
	-2799 Oct 27 j 01:17	30°℞♈	
opposition	-2799 Nov 11 j 22:36	28°♈42'24	-2°00'41
min. Earth dist.	-2799 Nov 11 j 11:54	28°♈44'37	7.96701 AU
direct	-2798 Jan 17 j 17:26	25°♈12'15	
	-2798 Apr 04 j 02:36	0°♉	
evening set	-2798 May 03 j 11:31	3°♉32'49	
conjunction	-2798 May 21 j 16:19	5°♉54'25	-1°22'44
minimum elong	-2798 May 21 j 16:22	5°♉54'26	1°22'41
max. Earth dist.	-2798 May 22 j 06:55	5°♉59'11	10.00324 AU
morning rise	-2798 Jun 08 j 19:40	8°♉15'32	
	-2798 Aug 11 j 22:57	15°♉	
retrograde	-2798 Sep 20 j 17:49	16°♉26'47	
	-2798 Oct 31 j 00:04	15°℞♉	
opposition	-2798 Nov 26 j 03:39	12°♉58'29	-1°24'53
min. Earth dist.	-2798 Nov 25 j 16:35	13°♉00'46	8.04762 AU
direct	-2797 Feb 01 j 11:06	9°♉28'18	
	-2797 Apr 26 j 02:50	15°♉	
evening set	-2797 May 18 j 14:30	17°♉43'48	
conjunction	-2797 Jun 05 j 18:37	20°♉03'36	-0°52'09
minimum elong	-2797 Jun 05 j 18:40	20°♉03'37	0°52'04
max. Earth dist.	-2797 Jun 06 j 09:07	20°♉08'17	10.09831 AU
morning rise	-2797 Jun 23 j 19:57	22°♉22'29	
	-2797 Sep 14 j 19:03	0°♊	
retrograde	-2797 Oct 04 j 15:08	0°♊22'03	
	-2797 Oct 24 j 10:53	30°℞♉	
opposition	-2797 Dec 10 j 02:08	26°♉55'18	-0°44'51
min. Earth dist.	-2797 Dec 09 j 15:51	26°♉57'25	8.15420 AU
direct	-2796 Feb 16 j 00:22	23°♉25'24	
	-2796 May 19 j 13:11	0°♊	
evening set	-2796 Jun 01 j 08:35	1°♊33'55	
conjunction	-2796 Jun 19 j 10:22	3°♊51'10	-0°19'12
minimum elong	-2796 Jun 19 j 10:23	3°♊51'10	0°19'07
max. Earth dist.	-2796 Jun 19 j 23:21	3°♊55'17	10.21580 AU
morning rise	-2796 Jul 07 j 08:22	6°♊07'11	
retrograde	-2796 Oct 17 j 01:13	13°♊54'32	
opposition	-2796 Dec 22 j 17:29	10°♊29'32	-0°03'26
min. Earth dist.	-2796 Dec 22 j 08:31	10°♊31'21	8.27988 AU
asc. node	-2795 Jan 23 j 06:39	8°♊10'07	
direct	-2795 Mar 01 j 08:41	7°♊00'16	
evening set	-2795 Jun 15 j 15:54	15°♊00'27	
conjunction	-2795 Jul 03 j 13:55	17°♊14'36	0°14'02
minimum elong	-2795 Jul 03 j 13:54	17°♊14'35	0°14'08
behind sun begin	-2795 Jul 03 j 10:30	17°♊13'32	
behind sun end	-2795 Jul 03 j 17:19	17°♊15'39	
max. Earth dist.	-2795 Jul 04 j 00:37	17°♊17'57	10.34841 AU
morning rise	-2795 Jul 21 j 07:30	19°♊27'19	
retrograde	-2795 Oct 30 j 00:40	27°♊02'52	
opposition	-2794 Jan 05 j 01:18	23°♊39'36	0°36'52
min. Earth dist.	-2794 Jan 04 j 17:43	23°♊41'07	8.41728 AU
direct	-2794 Mar 15 j 08:56	20°♊11'17	
evening set	-2794 Jun 29 j 11:39	28°♊02'27	
	-2794 Jul 15 j 10:16	0°♋	
conjunction	-2794 Jul 17 j 04:59	0°♋13'13	0°45'35
minimum elong	-2794 Jul 17 j 04:57	0°♋13'13	0°45'40
max. Earth dist.	-2794 Jul 17 j 13:05	0°♋15'44	10.48878 AU
morning rise	-2794 Aug 03 j 17:27	2°♋22'27	
retrograde	-2794 Nov 11 j 16:20	9°♋47'07	
opposition	-2793 Jan 18 j 01:32	6°♋25'32	1°13'59
min. Earth dist.	-2793 Jan 17 j 19:03	6°♋26'49	8.55903 AU
direct	-2793 Mar 28 j 23:54	2°♋58'23	
evening set	-2793 Jul 12 j 19:41	10°♋40'23	
conjunction	-2793 Jul 30 j 07:50	12°♋47'46	1°14'04
minimum elong	-2793 Jul 30 j 07:47	12°♋47'45	1°14'09
max. Earth dist.	-2793 Jul 30 j 13:54	12°♋49'37	10.62969 AU
morning rise	-2793 Aug 16 j 14:47	14°♋53'34	
retrograde	-2793 Nov 23 j 24:00	22°♋08'37	
opposition	-2792 Jan 30 j 19:02	18°♋48'37	1°46'26
min. Earth dist.	-2792 Jan 30 j 14:09	18°♋49'34	8.69805 AU
direct	-2792 Apr 10 j 06:10	15°♋22'47	
evening set	-2792 Jul 24 j 16:30	22°♋55'54	
conjunction	-2792 Aug 10 j 23:14	25°♋00'01	1°38'24
minimum elong	-2792 Aug 10 j 23:11	25°♋00'00	1°38'29
max. Earth dist.	-2792 Aug 11 j 03:21	25°♋01'16	10.76444 AU
morning rise	-2792 Aug 28 j 00:38	27°♋02'37	
	-2792 Sep 23 j 12:57	0°♌	
retrograde	-2792 Dec 05 j 01:23	4°♌09'33	
opposition	-2791 Feb 11 j 06:31	0°♌50'59	2°13'09
min. Earth dist.	-2791 Feb 11 j 04:04	0°♌51'27	8.82813 AU
	-2791 Feb 22 j 12:35	30°℞♋	
direct	-2791 Apr 23 j 04:29	27°♋26'31	
	-2791 Jun 19 j 22:59	0°♌	
evening set	-2791 Aug 06 j 02:56	4°♌51'18	

Attention, astronomical year style is used: The year -2791 in astronomical counting style is the year 2792 BCE in historical counting style.

conjunction	-2791 Aug 23 j 04:19	6°♌52'29	1°57'52
minimum elong	-2791 Aug 23 j 04:17	6°♌52'28	1°57'56
max. Earth dist.	-2791 Aug 23 j 05:42	6°♌52'54	10.88738 AU
morning rise	-2791 Sep 09 j 00:46	8°♌52'14	
	-2791 Nov 14 j 17:16	15°♌	
retrograde	-2791 Dec 16 j 20:35	15°♌52'39	
	-2790 Jan 18 j 13:41	15°℞♌	
opposition	-2790 Feb 23 j 12:51	12°♌35'15	2°33'32
min. Earth dist.	-2790 Feb 23 j 13:13	12°♌35'10	8.94398 AU
direct	-2790 May 05 j 18:19	9°♌12'09	
	-2790 Aug 04 j 23:18	15°♌	
evening set	-2790 Aug 18 j 03:55	16°♌29'24	
conjunction	-2790 Sep 04 j 00:29	18°♌28'03	2°12'02
minimum elong	-2790 Sep 04 j 00:27	18°♌28'03	2°12'06
max. Earth dist.	-2790 Sep 03 j 22:23	18°♌27'26	10.99375 AU
morning rise	-2790 Sep 20 j 16:48	20°♌25'28	
retrograde	-2790 Dec 28 j 10:23	27°♌21'00	
opposition	-2789 Mar 07 j 14:53	24°♌04'26	2°47'17
min. Earth dist.	-2789 Mar 07 j 17:15	24°♌04'00	9.04101 AU
direct	-2789 May 18 j 02:56	20°♌42'38	
evening set	-2789 Aug 29 j 20:59	27°♌53'20	
conjunction	-2789 Sep 15 j 13:33	29°♌49'56	2°20'43
minimum elong	-2789 Sep 15 j 13:32	29°♌49'56	2°20'45
max. Earth dist.	-2789 Sep 15 j 09:13	29°♌48'40	11.07951 AU
	-2789 Sep 16 j 23:52	0°♍	
morning rise	-2789 Oct 02 j 02:29	1°♍45'30	
retrograde	-2788 Jan 08 j 23:57	8°♍37'48	
opposition	-2788 Mar 18 j 13:42	5°♍21'46	2°54'17
min. Earth dist.	-2788 Mar 18 j 17:33	5°♍21'03	9.11558 AU
direct	-2788 May 29 j 05:49	2°♍01'09	
evening set	-2788 Sep 09 j 07:32	9°♍06'20	
conjunction	-2788 Sep 25 j 21:06	11°♍01'29	2°23'51
minimum elong	-2788 Sep 25 j 21:06	11°♍01'29	2°23'53
max. Earth dist.	-2788 Sep 25 j 15:19	10°♍59'48	11.14158 AU
morning rise	-2788 Oct 12 j 07:29	12°♍55'46	
retrograde	-2787 Jan 19 j 11:15	19°♍46'25	
opposition	-2787 Mar 30 j 10:38	16°♍30'36	2°54'39
min. Earth dist.	-2787 Mar 30 j 16:23	16°♍29'33	9.16507 AU
direct	-2787 Jun 10 j 02:14	13°♍11'00	
evening set	-2787 Sep 20 j 13:09	20°♍11'52	
conjunction	-2787 Oct 07 j 00:32	22°♍06'05	2°21'32
minimum elong	-2787 Oct 07 j 00:33	22°♍06'05	2°21'33
max. Earth dist.	-2787 Oct 06 j 16:27	22°♍03'43	11.17766 AU
morning rise	-2787 Oct 23 j 09:37	23°♍59'41	
	-2787 Dec 29 j 18:12	0°♎	
retrograde	-2786 Jan 30 j 23:02	0°♎50'19	
	-2786 Mar 04 j 18:59	30°℞♍	
opposition	-2786 Apr 11 j 06:38	27°♍34'25	2°48'34
min. Earth dist.	-2786 Apr 11 j 14:59	27°♍32'53	9.18743 AU
direct	-2786 Jun 21 j 20:01	24°♍15'34	
	-2786 Sep 20 j 16:29	0°♎	
evening set	-2786 Oct 01 j 15:45	1°♎13'29	
conjunction	-2786 Oct 18 j 01:52	3°♎07'21	2°13'59
minimum elong	-2786 Oct 18 j 01:54	3°♎07'21	2°13'58
max. Earth dist.	-2786 Oct 17 j 14:58	3°♎04'11	11.18605 AU
morning rise	-2786 Nov 03 j 10:45	5°♎00'53	
retrograde	-2785 Feb 11 j 10:34	11°♎53'08	
opposition	-2785 Apr 23 j 02:38	8°♎36'48	2°36'18
min. Earth dist.	-2785 Apr 23 j 12:52	8°♎34'56	9.18129 AU
direct	-2785 Jul 03 j 11:10	5°♎18'30	
evening set	-2785 Oct 12 j 16:56	12°♎14'57	
conjunction	-2785 Oct 29 j 02:54	14°♎09'03	2°01'27
minimum elong	-2785 Oct 29 j 02:56	14°♎09'04	2°01'25
max. Earth dist.	-2785 Oct 28 j 14:44	14°♎05'30	11.16593 AU
morning rise	-2785 Nov 14 j 12:24	16°♎03'05	
retrograde	-2784 Feb 23 j 03:39	22°♎58'43	
opposition	-2784 May 04 j 00:16	19°♎41'40	2°18'12
min. Earth dist.	-2784 May 04 j 10:59	19°♎39'42	9.14666 AU
direct	-2784 Jul 14 j 03:11	16°♎23'42	
evening set	-2784 Oct 22 j 18:32	23°♎20'08	
conjunction	-2784 Nov 08 j 05:15	25°♎15'02	1°44'17
minimum elong	-2784 Nov 08 j 05:18	25°♎15'03	1°44'15
max. Earth dist.	-2784 Nov 07 j 16:48	25°♎11'23	11.11810 AU
morning rise	-2784 Nov 24 j 16:13	27°♎10'07	
	-2784 Dec 20 j 18:02	0°♏	
retrograde	-2783 Mar 06 j 01:46	4°♏10'45	
opposition	-2783 May 16 j 00:36	0°♏52'41	1°54'45
min. Earth dist.	-2783 May 16 j 11:45	0°♏50'38	9.08515 AU
	-2783 May 28 j 03:15	30°℞♎	
direct	-2783 Jul 25 j 17:26	27°♎34'47	
	-2783 Sep 19 j 08:34	0°♏	
evening set	-2783 Nov 02 j 22:48	4°♏32'44	
conjunction	-2783 Nov 19 j 10:51	6°♏28'55	1°22'56
minimum elong	-2783 Nov 19 j 10:54	6°♏28'56	1°22'54
max. Earth dist.	-2783 Nov 18 j 21:17	6°♏24'55	11.04472 AU
morning rise	-2783 Dec 06 j 00:12	8°♏25'34	
	-2782 Feb 20 j 03:11	15°♏	
retrograde	-2782 Mar 18 j 03:45	15°♏32'43	
	-2782 Apr 13 j 12:37	15°℞♏	
opposition	-2782 May 28 j 04:31	12°♏13'23	1°26'29
min. Earth dist.	-2782 May 28 j 16:24	12°♏11'11	8.99943 AU
direct	-2782 Aug 06 j 09:43	8°♏55'14	
	-2782 Nov 06 j 03:37	15°♏	
evening set	-2782 Nov 14 j 07:18	15°♏56'18	
conjunction	-2782 Nov 30 j 21:19	17°♏54'13	0°58'00
minimum elong	-2782 Nov 30 j 21:21	17°♏54'14	0°57'57
max. Earth dist.	-2782 Nov 30 j 07:08	17°♏49'59	10.94868 AU
morning rise	-2782 Dec 17 j 13:42	19°♏52'53	
retrograde	-2781 Mar 30 j 13:32	27°♏08'02	
opposition	-2781 Jun 09 j 13:18	23°♏47'12	0°54'10
min. Earth dist.	-2781 Jun 10 j 01:14	23°♏44'59	8.89280 AU
direct	-2781 Aug 18 j 06:38	20°♏28'33	
evening set	-2781 Nov 25 j 21:45	27°♏34'15	
conjunction	-2781 Dec 12 j 14:22	29°♏34'19	0°30'13
minimum elong	-2781 Dec 12 j 14:23	29°♏34'19	0°30'09
max. Earth dist.	-2781 Dec 12 j 01:33	29°♏30'26	10.83354 AU
	-2781 Dec 16 j 03:24	0°♐	
morning rise	-2781 Dec 29 j 10:05	1°♐35'22	
retrograde	-2780 Apr 11 j 07:09	8°♐59'58	
opposition	-2780 Jun 21 j 03:46	5°♐37'27	0°18'44
min. Earth dist.	-2780 Jun 21 j 14:14	5°♐35'28	8.76936 AU
direct	-2780 Aug 29 j 07:27	2°♐18'03	
evening set	-2780 Dec 06 j 20:22	9°♐29'59	
conjunction	-2780 Dec 23 j 16:00	11°♐32'32	0°00'29
minimum elong	-2780 Dec 23 j 16:00	11°♐32'32	0°00'24
behind sun begin	-2780 Dec 23 j 09:00	11°♐30'25	
behind sun end	-2780 Dec 23 j 23:01	11°♐34'39	
max. Earth dist.	-2780 Dec 23 j 04:58	11°♐29'10	10.70370 AU
desc. node	-2780 Dec 29 j 09:50	12°♐14'41	
morning rise	-2779 Jan 09 j 15:18	13°♐36'18	
retrograde	-2779 Apr 24 j 10:39	21°♐11'28	
opposition	-2779 Jul 04 j 00:34	17°♐47'12	-0°18'36
min. Earth dist.	-2779 Jul 04 j 09:04	17°♐45'34	8.63403 AU

Attention, astronomical year style is used: The year -2779 in astronomical counting style is the year 2780 BCE in historical counting style.

direct	-2779 Sep 10 j 14:29	14°♐26'52	
evening set	-2779 Dec 19 j 04:47	21°♐46'32	
conjunction	-2778 Jan 05 j 03:36	23°♐51'50	-0°30'05
minimum elong	-2778 Jan 05 j 03:35	23°♐51'49	0°30'10
max. Earth dist.	-2778 Jan 04 j 17:58	23°♐48'51	10.56449 AU
morning rise	-2778 Jan 22 j 06:46	25°♐58'32	
	-2778 Feb 27 j 06:03	0°♑	
retrograde	-2778 May 08 j 00:23	3°♑45'06	
opposition	-2778 Jul 17 j 04:37	0°♑19'07	-0°56'16
min. Earth dist.	-2778 Jul 17 j 11:14	0°♑17'50	8.49250 AU
	-2778 Jul 21 j 07:08	30°℞♐	
direct	-2778 Sep 23 j 02:44	26°♐57'39	
	-2778 Nov 22 j 02:37	0°♑	
evening set	-2777 Jan 01 j 00:24	4°♑26'23	
conjunction	-2777 Jan 18 j 02:31	6°♑34'35	-1°00'00
minimum elong	-2777 Jan 18 j 02:28	6°♑34'34	1°00'06
max. Earth dist.	-2777 Jan 17 j 18:23	6°♑32'01	10.42205 AU
morning rise	-2777 Feb 04 j 09:38	8°♑44'22	
retrograde	-2777 May 21 j 22:29	16°♑42'42	
opposition	-2777 Jul 30 j 16:16	13°♑15'05	-1°32'25
min. Earth dist.	-2777 Jul 30 j 21:12	13°♑14'06	8.35137 AU
direct	-2777 Oct 06 j 00:05	9°♑52'21	
evening set	-2776 Jan 14 j 08:22	17°♑31'11	
conjunction	-2776 Jan 31 j 14:04	19°♑42'21	-1°27'42
minimum elong	-2776 Jan 31 j 14:01	19°♑42'20	1°27'47
max. Earth dist.	-2776 Jan 31 j 08:44	19°♑40'39	10.28332 AU
morning rise	-2776 Feb 18 j 01:03	21°♑55'13	
	-2776 May 25 j 10:45	0°♒	
retrograde	-2776 Jun 04 j 05:01	0°♒04'59	
	-2776 Jun 14 j 00:18	30°℞♑	
opposition	-2776 Aug 12 j 11:18	26°♑35'53	-2°04'52
min. Earth dist.	-2776 Aug 12 j 14:01	26°♑35'21	8.21787 AU
direct	-2776 Oct 18 j 07:39	23°♑11'49	
	-2775 Jan 19 j 01:24	0°♒	
evening set	-2775 Jan 27 j 05:08	1°♒01'12	
conjunction	-2775 Feb 13 j 14:40	3°♒15'20	-1°51'22
minimum elong	-2775 Feb 13 j 14:37	3°♒15'19	1°51'26
max. Earth dist.	-2775 Feb 13 j 12:56	3°♒14'46	10.15568 AU
morning rise	-2775 Mar 03 j 05:20	5°♒31'08	
retrograde	-2775 Jun 18 j 20:03	13°♒51'09	
opposition	-2775 Aug 26 j 13:18	10°♒20'51	-2°31'17
min. Earth dist.	-2775 Aug 26 j 13:08	10°♒20'53	8.09931 AU
direct	-2775 Oct 31 j 23:27	6°♒55'27	
evening set	-2774 Feb 10 j 14:28	14°♒55'11	
	-2774 Feb 11 j 05:29	15°♒	
conjunction	-2774 Feb 28 j 03:51	17°♒12'04	-2°09'12
minimum elong	-2774 Feb 28 j 03:49	17°♒12'03	2°09'15
max. Earth dist.	-2774 Feb 28 j 06:08	17°♒12'49	10.04660 AU
morning rise	-2774 Mar 17 j 21:56	19°♒30'30	
retrograde	-2774 Jul 03 j 18:06	27°♒58'38	
opposition	-2774 Sep 09 j 21:06	24°♒27'30	-2°49'22
min. Earth dist.	-2774 Sep 09 j 17:46	24°♒28'11	8.00294 AU
direct	-2774 Nov 14 j 23:25	21°♒00'49	
evening set	-2773 Feb 25 j 10:59	29°♒09'55	
	-2773 Mar 03 j 21:02	0°♓	
conjunction	-2773 Mar 15 j 04:16	1°♓29'12	-2°19'34
minimum elong	-2773 Mar 15 j 04:15	1°♓29'11	2°19'36
max. Earth dist.	-2773 Mar 15 j 10:25	1°♓31'13	9.96330 AU
morning rise	-2773 Apr 02 j 01:34	3°♓49'49	
retrograde	-2773 Jul 18 j 19:49	12°♓23'01	
opposition	-2773 Sep 24 j 09:17	8°♓51'27	-2°57'15
min. Earth dist.	-2773 Sep 24 j 03:01	8°♓52'45	7.93527 AU
direct	-2773 Nov 29 j 07:32	5°♓23'37	
evening set	-2772 Mar 11 j 16:26	13°♓40'14	
conjunction	-2772 Mar 29 j 13:30	16°♓01'24	-2°21'19
minimum elong	-2772 Mar 29 j 13:31	16°♓01'24	2°21'20
max. Earth dist.	-2772 Mar 29 j 22:53	16°♓04'30	9.91169 AU
morning rise	-2772 Apr 16 j 13:43	18°♓23'37	
retrograde	-2772 Aug 01 j 22:08	26°♓58'07	
opposition	-2772 Oct 07 j 23:49	23°♓26'38	-2°53'51
min. Earth dist.	-2772 Oct 07 j 15:28	23°♓28'23	7.90111 AU
direct	-2772 Dec 12 j 22:32	19°♓57'51	
evening set	-2771 Mar 27 j 03:52	28°♓19'25	
	-2771 Apr 08 j 22:09	0°♈	
conjunction	-2771 Apr 14 j 04:16	0°♈41'46	-2°14'00
minimum elong	-2771 Apr 14 j 04:18	0°♈41'47	2°13'59
max. Earth dist.	-2771 Apr 14 j 16:10	0°♈45'43	9.89559 AU
morning rise	-2771 May 02 j 06:44	3°♈04'47	
retrograde	-2771 Aug 16 j 21:30	11°♈36'36	
opposition	-2771 Oct 22 j 14:18	8°♈05'41	-2°39'07
min. Earth dist.	-2771 Oct 22 j 04:34	8°♈07'43	7.90314 AU
direct	-2771 Dec 27 j 17:54	4°♈36'14	
evening set	-2770 Apr 11 j 17:23	12°♈59'42	
conjunction	-2770 Apr 29 j 20:21	15°♈22'24	-1°58'02
minimum elong	-2770 Apr 29 j 20:25	15°♈22'25	1°58'00
max. Earth dist.	-2770 Apr 30 j 10:04	15°♈26'56	9.91641 AU
morning rise	-2770 May 18 j 00:10	17°♈45'18	
retrograde	-2770 Aug 31 j 15:09	26°♈10'46	
opposition	-2770 Nov 06 j 02:37	22°♈40'51	-2°14'08
min. Earth dist.	-2770 Nov 05 j 16:00	22°♈43'04	7.94147 AU
direct	-2769 Jan 11 j 15:00	19°♈11'02	
evening set	-2769 Apr 27 j 05:06	27°♈33'13	
conjunction	-2769 May 15 j 09:33	29°♈55'22	-1°34'39
minimum elong	-2769 May 15 j 09:37	29°♈55'23	1°34'36
	-2769 May 15 j 23:43	0°♉	
max. Earth dist.	-2769 May 16 j 00:10	0°♉00'09	9.97271 AU
morning rise	-2769 Jun 02 j 13:30	2°♉17'14	
retrograde	-2769 Sep 15 j 01:17	10°♉33'20	
opposition	-2769 Nov 20 j 10:31	7°♉04'46	-1°40'59
min. Earth dist.	-2769 Nov 19 j 23:29	7°♉07'03	8.01334 AU
direct	-2768 Jan 26 j 11:27	3°♉34'54	
evening set	-2768 May 11 j 11:51	11°♉52'59	
conjunction	-2768 May 29 j 16:19	14°♉13'37	-1°05'45
minimum elong	-2768 May 29 j 16:22	14°♉13'38	1°05'40
max. Earth dist.	-2768 May 30 j 06:52	14°♉18'20	10.06026 AU
	-2768 Jun 04 j 15:24	15°♉	
morning rise	-2768 Jun 16 j 18:52	16°♉33'33	
retrograde	-2768 Sep 28 j 01:59	24°♉38'18	
opposition	-2768 Dec 03 j 12:18	21°♉11'18	-1°02'24
min. Earth dist.	-2768 Dec 03 j 01:03	21°♉13'37	8.11355 AU
direct	-2767 Feb 09 j 04:23	17°♉41'43	
evening set	-2767 May 26 j 10:28	25°♉53'22	
conjunction	-2767 Jun 13 j 13:22	28°♉11'41	-0°33'31
minimum elong	-2767 Jun 13 j 13:24	28°♉11'42	0°33'26
max. Earth dist.	-2767 Jun 14 j 03:19	28°♉16'09	10.17268 AU
	-2767 Jun 27 j 17:03	0°♊	
morning rise	-2767 Jul 01 j 13:03	0°♊28'57	
retrograde	-2767 Oct 11 j 16:36	8°♊21'26	
opposition	-2767 Dec 17 j 07:04	4°♊56'09	-0°21'15
min. Earth dist.	-2767 Dec 16 j 20:19	4°♊58'20	8.23501 AU
direct	-2766 Feb 23 j 15:27	1°♊27'08	
evening set	-2766 Jun 09 j 22:39	9°♊30'42	

Attention, astronomical year style is used: The year -2766 in astronomical counting style is the year 2767 BCE in historical counting style.

conjunction	-2766 Jun 27 j 22:30	11°♊46'07	-0°00'11	
minimum elong	-2766 Jun 27 j 22:32	11°♊46'07	0°00'06	
behind sun begin	-2766 Jun 27 j 15:33	11°♊43'57		
behind sun end	-2766 Jun 28 j 05:30	11°♊48'18		
max. Earth dist.	-2766 Jun 28 j 11:02	11°♊50'03	10.30195 AU	
asc. node	-2766 Jun 29 j 21:53	12°♊01'04		
morning rise	-2766 Jul 15 j 18:06	14°♊00'11		
retrograde	-2766 Oct 24 j 21:58	21°♊40'33		
opposition	-2766 Dec 30 j 18:11	18°♊17'00	0°19'48	
min. Earth dist.	-2766 Dec 30 j 09:05	18°♊18'49	8.36929 AU	
direct	-2765 Mar 09 j 17:51	14°♊48'47		
evening set	-2765 Jun 23 j 23:44	22°♊43'34		
conjunction	-2765 Jul 11 j 19:21	24°♊55'44	0°32'18	
minimum elong	-2765 Jul 11 j 19:20	24°♊55'44	0°32'23	
max. Earth dist.	-2765 Jul 12 j 05:18	24°♊58'50	10.43948 AU	
morning rise	-2765 Jul 29 j 09:58	27°♊06'23		
	-2765 Aug 23 j 09:28	0°♋		
retrograde	-2765 Nov 06 j 18:21	4°♋35'26		
opposition	-2764 Jan 12 j 21:45	1°♋13'38	0°58'29	
min. Earth dist.	-2764 Jan 12 j 15:19	1°♋14'54	8.50828 AU	
	-2764 Jan 28 j 19:34	30°℞♊		
direct	-2764 Mar 22 j 11:59	27°♊46'27		
	-2764 May 14 j 05:25	0°♋		
evening set	-2764 Jul 06 j 13:16	5°♋32'17		
conjunction	-2764 Jul 24 j 03:44	7°♋41'06	1°02'16	
minimum elong	-2764 Jul 24 j 03:41	7°♋41'05	1°02'20	
max. Earth dist.	-2764 Jul 24 j 10:19	7°♋43'07	10.57802 AU	
morning rise	-2764 Aug 10 j 12:59	9°♋48'19		
retrograde	-2764 Nov 18 j 04:48	17°♋07'20		
opposition	-2763 Jan 24 j 18:29	13°♋47'08	1°33'06	
min. Earth dist.	-2763 Jan 24 j 14:37	13°♋47'53	8.64559 AU	
direct	-2763 Apr 04 j 22:54	10°♋21'06		
evening set	-2763 Jul 19 j 15:13	17°♋58'06		
conjunction	-2763 Aug 06 j 00:10	20°♋03'36	1°28'30	
minimum elong	-2763 Aug 06 j 00:06	20°♋03'35	1°28'34	
max. Earth dist.	-2763 Aug 06 j 03:10	20°♋04'31	10.71184 AU	
morning rise	-2763 Aug 23 j 04:02	22°♋07'34		
retrograde	-2763 Nov 30 j 08:06	29°♋18'01		
opposition	-2762 Feb 06 j 08:50	25°♋59'10	2°02'24	
min. Earth dist.	-2762 Feb 06 j 06:49	25°♋59'34	8.77561 AU	
direct	-2762 Apr 18 j 02:28	22°♋34'20		
	-2762 Jul 31 j 20:26	0°♌		
evening set	-2762 Aug 01 j 06:23	0°♌02'55		
conjunction	-2762 Aug 18 j 10:01	2°♌05'22	1°50'09	
minimum elong	-2762 Aug 18 j 09:58	2°♌05'21	1°50'12	
max. Earth dist.	-2762 Aug 18 j 10:26	2°♌05'30	10.83566 AU	
morning rise	-2762 Sep 04 j 08:44	4°♌06'22		
retrograde	-2762 Dec 12 j 06:14	11°♌09'44		
opposition	-2761 Feb 18 j 17:22	7°♌51'58	2°25'36	
min. Earth dist.	-2761 Feb 18 j 17:01	7°♌52'01	8.89310 AU	
direct	-2761 Apr 30 j 20:13	4°♌28'20		
evening set	-2761 Aug 13 j 11:43	11°♌49'08		
conjunction	-2761 Aug 30 j 10:29	13°♌48'56	2°06'38	
minimum elong	-2761 Aug 30 j 10:26	13°♌48'55	2°06'42	
max. Earth dist.	-2761 Aug 30 j 09:01	13°♌48'30	10.94458 AU	
	-2761 Sep 09 j 10:31	15°♌		
morning rise	-2761 Sep 16 j 04:30	15°♌47'23		
retrograde	-2761 Dec 23 j 23:16	22°♌45'15		
opposition	-2760 Mar 01 j 21:30	19°♌28'16	2°42'15	
min. Earth dist.	-2760 Mar 01 j 23:27	19°♌27'54	8.99352 AU	
direct	-2760 May 12 j 07:26	16°♌05'48		
evening set	-2760 Aug 24 j 08:21	23°♌19'40		

conjunction	-2760 Sep 10 j 02:45	25°♌17'14	2°17'42	
minimum elong	-2760 Sep 10 j 02:43	25°♌17'14	2°17'45	
max. Earth dist.	-2760 Sep 09 j 22:55	25°♌16'07	11.03456 AU	
morning rise	-2760 Sep 26 j 16:57	27°♌13'39		
	-2760 Oct 22 j 02:45	0°♍		
retrograde	-2759 Jan 03 j 13:48	4°♍07'38		
opposition	-2759 Mar 13 j 22:03	0°♍51'10	2°52'11	
min. Earth dist.	-2759 Mar 14 j 02:42	0°♍50'19	9.07332 AU	
	-2759 Mar 25 j 12:43	30°℞♌		
direct	-2759 May 24 j 12:03	27°♌29'44		
	-2759 Jul 21 j 03:16	0°♍		
evening set	-2759 Sep 04 j 21:51	4°♍37'42		
conjunction	-2759 Sep 21 j 12:37	6°♍33'35	2°23'12	
minimum elong	-2759 Sep 21 j 12:36	6°♍33'34	2°23'15	
max. Earth dist.	-2759 Sep 21 j 05:49	6°♍31'35	11.10265 AU	
morning rise	-2759 Oct 08 j 00:08	8°♍28'31		
retrograde	-2758 Jan 14 j 23:24	15°♍20'12		
opposition	-2758 Mar 25 j 19:51	12°♍03'56	2°55'24	
min. Earth dist.	-2758 Mar 26 j 02:31	12°♍02'43	9.12986 AU	
direct	-2758 Jun 05 j 11:26	8°♍43'24		
evening set	-2758 Sep 16 j 05:34	15°♍46'39		
conjunction	-2758 Oct 02 j 17:50	17°♍41'23	2°23'12	
minimum elong	-2758 Oct 02 j 17:50	17°♍41'23	2°23'14	
max. Earth dist.	-2758 Oct 02 j 09:07	17°♍38'50	11.14664 AU	
morning rise	-2758 Oct 19 j 03:36	19°♍35'25		
retrograde	-2757 Jan 26 j 11:28	26°♍26'28		
opposition	-2757 Apr 06 j 16:10	23°♍10'07	2°52'02	
min. Earth dist.	-2757 Apr 06 j 23:42	23°♍08'44	9.16118 AU	
direct	-2757 Jun 17 j 08:29	19°♍50'23		
evening set	-2757 Sep 27 j 09:21	26°♍50'07		
conjunction	-2757 Oct 13 j 20:07	28°♍44'17	2°17'51	
minimum elong	-2757 Oct 13 j 20:09	28°♍44'18	2°17'51	
max. Earth dist.	-2757 Oct 13 j 10:48	28°♍41'34	11.16501 AU	
	-2757 Oct 24 j 16:38	0°♎		
morning rise	-2757 Oct 30 j 04:59	0°♎37'59		
retrograde	-2756 Feb 07 j 00:19	7°♎30'00		
opposition	-2756 Apr 17 j 12:19	4°♎13'18	2°42'21	
min. Earth dist.	-2756 Apr 17 j 20:56	4°♎11'44	9.16630 AU	
direct	-2756 Jun 27 j 23:51	0°♎54'14		
evening set	-2756 Oct 07 j 11:06	7°♎51'48		
conjunction	-2756 Oct 23 j 21:12	9°♎45'57	2°07'23	
minimum elong	-2756 Oct 23 j 21:15	9°♎45'58	2°07'22	
max. Earth dist.	-2756 Oct 23 j 10:25	9°♎42'48	11.15728 AU	
morning rise	-2756 Nov 09 j 06:20	11°♎39'54		
retrograde	-2755 Feb 17 j 14:58	18°♎34'29		
opposition	-2755 Apr 29 j 09:27	15°♎17'13	2°26'39	
min. Earth dist.	-2755 Apr 29 j 19:34	15°♎15'22	9.14522 AU	
direct	-2755 Jul 09 j 14:37	11°♎58'35		
evening set	-2755 Oct 18 j 12:28	18°♎55'26		
conjunction	-2755 Nov 03 j 22:46	20°♎50'07	1°52'07	
minimum elong	-2755 Nov 03 j 22:49	20°♎50'08	1°52'05	
max. Earth dist.	-2755 Nov 03 j 10:18	20°♎46'28	11.12374 AU	
morning rise	-2755 Nov 20 j 09:14	22°♎44'52		
retrograde	-2754 Mar 01 j 09:33	29°♎43'37		
opposition	-2754 May 11 j 08:36	26°♎25'32	2°05'21	
min. Earth dist.	-2754 May 11 j 19:41	26°♎23'30	9.09850 AU	
direct	-2754 Jul 21 j 05:38	23°♎07'09		
	-2754 Oct 28 j 22:53	0°♏		
evening set	-2754 Oct 29 j 15:26	0°♏04'46		
conjunction	-2754 Nov 15 j 02:51	2°♏00'28	1°32'27	
minimum elong	-2754 Nov 15 j 02:54	2°♏00'29	1°32'24	

Attention, astronomical year style is used: The year -2754 in astronomical counting style is the year 2755 BCE in historical counting style.

max. Earth dist.	-2754 Nov 14 j 14:23	1°♏56'48	11.06523 AU
morning rise	-2754 Dec 01 j 15:15	3°♏56'32	
retrograde	-2753 Mar 13 j 09:07	11°♏01'03	
opposition	-2753 May 23 j 10:52	7°♏41'54	1°39'00
min. Earth dist.	-2753 May 23 j 21:32	7°♏39'56	9.02756 AU
direct	-2753 Aug 01 j 21:59	4°♏23'35	
evening set	-2753 Nov 09 j 21:53	11°♏23'28	
conjunction	-2753 Nov 26 j 11:09	13°♏20'42	1°08'55
minimum elong	-2753 Nov 26 j 11:11	13°♏20'42	1°08'53
max. Earth dist.	-2753 Nov 25 j 23:24	13°♏17'12	10.98362 AU
	-2753 Dec 10 j 10:38	15°♏	
morning rise	-2753 Dec 13 j 02:05	15°♏18'31	
retrograde	-2752 Mar 24 j 17:48	22°♏30'20	
opposition	-2752 Jun 03 j 17:38	19°♏09'57	1°08'14
min. Earth dist.	-2752 Jun 04 j 03:29	19°♏08'07	8.93489 AU
direct	-2752 Aug 12 j 16:51	15°♏51'27	
evening set	-2752 Nov 20 j 09:44	22°♏55'09	
conjunction	-2752 Dec 07 j 01:15	24°♏54'18	0°42'12
minimum elong	-2752 Dec 07 j 01:17	24°♏54'19	0°42'09
max. Earth dist.	-2752 Dec 06 j 13:38	24°♏50'49	10.88180 AU
morning rise	-2752 Dec 23 j 19:25	26°♏54'20	
	-2751 Jan 20 j 17:47	0°♐	
retrograde	-2751 Apr 06 j 08:23	4°♐14'50	
opposition	-2751 Jun 16 j 05:47	0°♐53'05	0°33'56
min. Earth dist.	-2751 Jun 16 j 15:11	0°♐51'19	8.82386 AU
	-2751 Jun 28 j 03:57	30°℞♏	
direct	-2751 Aug 24 j 14:14	27°♏34'09	
	-2751 Oct 18 j 03:42	0°♐	
evening set	-2751 Dec 02 j 05:01	4°♐43'18	
conjunction	-2751 Dec 18 j 23:10	6°♐44'43	0°13'10
minimum elong	-2751 Dec 18 j 23:11	6°♐44'43	0°13'05
behind sun begin	-2751 Dec 18 j 18:53	6°♐43'26	
behind sun end	-2751 Dec 19 j 03:29	6°♐46'01	
max. Earth dist.	-2751 Dec 18 j 11:47	6°♐41'16	10.76354 AU
morning rise	-2750 Jan 04 j 20:59	8°♐47'17	
retrograde	-2750 Apr 19 j 06:55	16°♐17'43	
desc. node	-2750 May 31 j 23:04	14°♐53'44	
opposition	-2750 Jun 28 j 23:57	12°♐54'28	-0°02'47
min. Earth dist.	-2750 Jun 29 j 08:47	12°♐52'47	8.69881 AU
direct	-2750 Sep 05 j 18:40	9°♐34'51	
evening set	-2750 Dec 14 j 09:13	16°♐50'58	
conjunction	-2750 Dec 31 j 06:29	18°♐54'58	-0°17'16
minimum elong	-2750 Dec 31 j 06:28	18°♐54'58	0°17'21
max. Earth dist.	-2750 Dec 30 j 20:54	18°♐52'01	10.63350 AU
morning rise	-2749 Jan 17 j 08:01	21°♐00'19	
retrograde	-2749 May 02 j 15:49	28°♐41'40	
opposition	-2749 Jul 12 j 01:05	25°♐16'51	-0°40'30
min. Earth dist.	-2749 Jul 12 j 08:12	25°♐15'29	8.56493 AU
direct	-2749 Sep 18 j 05:37	21°♐56'21	
evening set	-2749 Dec 26 j 23:51	29°♐20'45	
	-2748 Jan 01 j 07:30	0°♑	
conjunction	-2748 Jan 13 j 00:31	1°♑27'32	-0°47'36
minimum elong	-2748 Jan 13 j 00:29	1°♑27'31	0°47'41
max. Earth dist.	-2748 Jan 12 j 17:42	1°♑25'24	10.49717 AU
morning rise	-2748 Jan 30 j 05:47	3°♑35'50	
retrograde	-2748 May 15 j 10:00	11°♑28'39	
opposition	-2748 Jul 24 j 09:27	8°♑02'15	-1°17'29
min. Earth dist.	-2748 Jul 24 j 14:04	8°♑01'21	8.42805 AU
direct	-2748 Sep 29 j 23:57	4°♑40'41	
evening set	-2747 Jan 08 j 02:31	12°♑14'29	
conjunction	-2747 Jan 25 j 06:40	14°♑24'09	-1°16'24
minimum elong	-2747 Jan 25 j 06:37	14°♑24'08	1°16'29
max. Earth dist.	-2747 Jan 25 j 02:12	14°♑22'44	10.36064 AU
morning rise	-2747 Feb 11 j 15:43	16°♑35'27	
retrograde	-2747 May 29 j 13:34	24°♑39'38	
opposition	-2747 Aug 07 j 00:58	21°♑11'44	-1°51'42
min. Earth dist.	-2747 Aug 07 j 03:12	21°♑11'18	8.29431 AU
direct	-2747 Oct 13 j 02:19	17°♑48'55	
evening set	-2746 Jan 21 j 17:38	25°♑32'52	
conjunction	-2746 Feb 08 j 01:19	27°♑45'27	-1°41'56
minimum elong	-2746 Feb 08 j 01:16	27°♑45'26	1°42'00
max. Earth dist.	-2746 Feb 07 j 22:42	27°♑44'37	10.23021 AU
morning rise	-2746 Feb 25 j 14:08	29°♑59'42	
	-2746 Feb 25 j 15:05	0°♒	
retrograde	-2746 Jun 13 j 01:58	8°♒14'31	
opposition	-2746 Aug 20 j 23:40	4°♒45'21	-2°20'51
min. Earth dist.	-2746 Aug 21 j 00:05	4°♒45'16	8.17000 AU
direct	-2746 Oct 26 j 12:40	1°♒21'11	
evening set	-2745 Feb 04 j 21:06	9°♒15'32	
conjunction	-2745 Feb 22 j 08:29	11°♒30'56	-2°02'24
minimum elong	-2745 Feb 22 j 08:26	11°♒30'55	2°02'27
max. Earth dist.	-2745 Feb 22 j 08:09	11°♒30'50	10.11258 AU
morning rise	-2745 Mar 12 j 00:59	13°♒47'58	
	-2745 Mar 21 j 14:31	15°♒	
retrograde	-2745 Jun 27 j 21:26	22°♒11'55	
opposition	-2745 Sep 04 j 04:48	18°♒41'45	-2°42'39
min. Earth dist.	-2745 Sep 04 j 03:19	18°♒42'04	8.06231 AU
direct	-2745 Nov 09 j 08:57	15°♒16'13	
evening set	-2744 Feb 19 j 12:30	23°♒20'31	
conjunction	-2744 Mar 08 j 03:48	25°♒38'30	-2°16'04
minimum elong	-2744 Mar 08 j 03:46	25°♒38'30	2°16'06
max. Earth dist.	-2744 Mar 08 j 06:23	25°♒39'21	10.01559 AU
morning rise	-2744 Mar 25 j 23:45	27°♒57'58	
	-2744 Apr 11 j 05:34	0°♓	
retrograde	-2744 Jul 11 j 20:25	6°♓28'26	
opposition	-2744 Sep 17 j 14:50	2°♓57'37	-2°55'02
min. Earth dist.	-2744 Sep 17 j 11:17	2°♓58'21	7.97905 AU
	-2744 Oct 30 j 21:01	30°℞♒	
direct	-2744 Nov 22 j 14:42	29°♒30'46	
	-2744 Dec 15 j 04:29	0°♓	
evening set	-2743 Mar 05 j 13:56	7°♓43'34	
conjunction	-2743 Mar 23 j 09:11	10°♓03'43	-2°21'35
minimum elong	-2743 Mar 23 j 09:11	10°♓03'43	2°21'36
max. Earth dist.	-2743 Mar 23 j 15:14	10°♓05'43	9.94666 AU
morning rise	-2743 Apr 10 j 08:13	12°♓25'05	
retrograde	-2743 Jul 26 j 20:59	20°♓58'38	
opposition	-2743 Oct 02 j 04:07	17°♓27'32	-2°56'33
min. Earth dist.	-2743 Oct 01 j 22:10	17°♓28'46	7.92653 AU
direct	-2743 Dec 07 j 03:26	13°♓59'30	
evening set	-2742 Mar 20 j 22:27	22°♓18'28	
conjunction	-2742 Apr 07 j 21:21	24°♓40'11	-2°18'10
minimum elong	-2742 Apr 07 j 21:23	24°♓40'11	2°18'10
max. Earth dist.	-2742 Apr 08 j 06:57	24°♓43'21	9.91112 AU
morning rise	-2742 Apr 25 j 22:52	27°♓02'43	
	-2742 May 19 j 17:29	0°♈	
retrograde	-2742 Aug 10 j 20:25	5°♈35'28	
opposition	-2742 Oct 16 j 18:20	2°♈04'31	-2°46'40
min. Earth dist.	-2742 Oct 16 j 09:58	2°♈06'15	7.90877 AU
	-2742 Nov 12 j 09:48	30°℞♓	
direct	-2742 Dec 21 j 20:43	28°♓35'31	
	-2741 Jan 29 j 20:15	0°♈	
evening set	-2741 Apr 05 j 10:44	6°♈57'46	

Attention, astronomical year style is used: The year -2741 in astronomical counting style is the year 2742 BCE in historical counting style.

conjunction	-2741 Apr 23 j 12:44	9°♈20'16	-2°05'52
minimum elong	-2741 Apr 23 j 12:47	9°♈20'17	2°05'51
max. Earth dist.	-2741 Apr 24 j 01:08	9°♈24'22	9.91176 AU
morning rise	-2741 May 11 j 16:00	11°♈43'09	
retrograde	-2741 Aug 25 j 16:13	20°♈11'13	
opposition	-2741 Oct 31 j 07:07	16°♈40'51	-2°26'00
min. Earth dist.	-2741 Oct 30 j 21:04	16°♈42'57	7.92711 AU
direct	-2740 Jan 05 j 15:46	13°♈11'09	
evening set	-2740 Apr 19 j 23:02	21°♈33'37	
conjunction	-2740 May 08 j 03:08	23°♈56'01	-1°45'33
minimum elong	-2740 May 08 j 03:12	23°♈56'02	1°45'31
max. Earth dist.	-2740 May 08 j 17:15	24°♈00'40	9.94836 AU
morning rise	-2740 May 26 j 07:02	26°♈18'20	
	-2740 Jun 25 j 19:14	0°♉	
retrograde	-2740 Sep 08 j 06:35	4°♉38'22	
opposition	-2740 Nov 13 j 16:30	1°♉09'00	-1°56'12
min. Earth dist.	-2740 Nov 13 j 05:38	1°♉11'15	7.98003 AU
	-2740 Nov 27 j 18:22	30°℞♈	
direct	-2739 Jan 19 j 11:46	27°♈38'55	
	-2739 Mar 12 j 07:54	0°♉	
evening set	-2739 May 05 j 07:40	5°♉58'38	
conjunction	-2739 May 23 j 12:24	8°♉19'59	-1°18'52
minimum elong	-2739 May 23 j 12:27	8°♉20'01	1°18'48
max. Earth dist.	-2739 May 24 j 03:05	8°♉24'47	10.01797 AU
morning rise	-2739 Jun 10 j 15:32	10°♉40'48	
	-2739 Jul 17 j 08:55	15°♉	
retrograde	-2739 Sep 22 j 11:26	18°♉50'26	
opposition	-2739 Nov 27 j 20:36	15°♉22'24	-1°19'44
min. Earth dist.	-2739 Nov 27 j 10:00	15°♉24'35	8.06367 AU
	-2739 Dec 02 j 09:07	15°℞♉	
direct	-2738 Feb 03 j 05:46	11°♉52'18	
	-2738 Apr 05 j 06:01	15°♉	
evening set	-2738 May 20 j 09:26	20°♉06'44	
conjunction	-2738 Jun 07 j 13:14	22°♉26'10	-0°47'52
minimum elong	-2738 Jun 07 j 13:17	22°♉26'11	0°47'48
max. Earth dist.	-2738 Jun 08 j 03:08	22°♉30'39	10.11558 AU
morning rise	-2738 Jun 25 j 14:17	24°♉44'42	
	-2738 Aug 11 j 14:37	0°♊	
retrograde	-2738 Oct 06 j 05:52	2°♊42'33	
	-2738 Dec 02 j 17:43	30°℞♉	
opposition	-2738 Dec 11 j 18:04	29°♉16'05	-0°39'25
min. Earth dist.	-2738 Dec 11 j 08:24	29°♉18'04	8.17236 AU
direct	-2737 Feb 17 j 19:09	25°♉46'18	
	-2737 May 01 j 12:40	0°♊	
evening set	-2737 Jun 04 j 01:59	3°♊53'34	
conjunction	-2737 Jun 22 j 03:20	6°♊10'23	-0°14'49
minimum elong	-2737 Jun 22 j 03:21	6°♊10'23	0°14'44
behind sun begin	-2737 Jun 22 j 00:37	6°♊09'31	
behind sun end	-2737 Jun 22 j 06:05	6°♊11'14	
max. Earth dist.	-2737 Jun 22 j 15:20	6°♊14'11	10.23461 AU
morning rise	-2737 Jul 10 j 00:59	8°♊25'59	
retrograde	-2737 Oct 19 j 14:00	16°♊11'42	
asc. node	-2737 Dec 07 j 08:33	14°♊11'28	
opposition	-2737 Dec 25 j 08:14	12°♊46'55	0°01'57
min. Earth dist.	-2737 Dec 24 j 23:31	12°♊48'41	8.29904 AU
direct	-2736 Mar 03 j 01:48	9°♊17'47	
evening set	-2736 Jun 17 j 07:49	17°♊16'39	
conjunction	-2736 Jul 05 j 05:23	19°♊30'21	0°18'16
minimum elong	-2736 Jul 05 j 05:22	19°♊30'21	0°18'22
max. Earth dist.	-2736 Jul 05 j 15:18	19°♊33'27	10.36764 AU
morning rise	-2736 Jul 22 j 22:29	21°♊42'37	
retrograde	-2736 Oct 31 j 13:26	29°♊16'39	
opposition	-2735 Jan 06 j 14:50	25°♊53'34	0°41'54
min. Earth dist.	-2735 Jan 06 j 07:04	25°♊55'07	8.43630 AU
direct	-2735 Mar 17 j 00:10	22°♊25'22	
	-2735 Jun 28 j 23:35	0°♋	
evening set	-2735 Jul 01 j 02:04	0°♋15'13	
conjunction	-2735 Jul 18 j 18:55	2°♋25'34	0°49'28
minimum elong	-2735 Jul 18 j 18:53	2°♋25'34	0°49'33
max. Earth dist.	-2735 Jul 19 j 02:56	2°♋28'03	10.50733 AU
morning rise	-2735 Aug 05 j 06:45	4°♋34'22	
retrograde	-2735 Nov 13 j 03:42	11°♋57'41	
opposition	-2734 Jan 19 j 14:10	8°♋36'15	1°18'28
min. Earth dist.	-2734 Jan 19 j 07:40	8°♋37'31	8.57691 AU
direct	-2734 Mar 30 j 14:14	5°♋09'12	
evening set	-2734 Jul 14 j 08:33	12°♋49'56	
conjunction	-2734 Jul 31 j 20:11	14°♋56'55	1°17'27
minimum elong	-2734 Jul 31 j 20:08	14°♋56'54	1°17'31
max. Earth dist.	-2734 Aug 01 j 02:25	14°♋58'49	10.64662 AU
morning rise	-2734 Aug 18 j 02:26	17°♋02'19	
retrograde	-2734 Nov 25 j 10:48	24°♋16'15	
opposition	-2733 Feb 01 j 06:46	20°♋56'22	1°50'11
min. Earth dist.	-2733 Feb 01 j 02:38	20°♋57'10	8.71400 AU
direct	-2733 Apr 12 j 19:18	17°♋30'37	
evening set	-2733 Jul 27 j 04:07	25°♋02'36	
conjunction	-2733 Aug 13 j 10:14	27°♋06'22	1°41'10
minimum elong	-2733 Aug 13 j 10:11	27°♋06'21	1°41'14
max. Earth dist.	-2733 Aug 13 j 13:37	27°♋07'23	10.77906 AU
morning rise	-2733 Aug 30 j 11:07	29°♋08'37	
	-2733 Sep 06 j 19:40	0°♌	
retrograde	-2733 Dec 07 j 11:05	6°♌14'38	
opposition	-2732 Feb 13 j 17:23	2°♌56'09	2°16'06
min. Earth dist.	-2732 Feb 13 j 16:00	2°♌56'25	8.84150 AU
	-2732 Mar 31 j 10:19	30°℞♋	
direct	-2732 Apr 24 j 15:26	29°♋31'45	
	-2732 May 18 j 20:00	0°♌	
evening set	-2732 Aug 07 j 13:24	6°♌55'37	
conjunction	-2732 Aug 24 j 14:12	8°♌56'29	1°59'57
minimum elong	-2732 Aug 24 j 14:09	8°♌56'29	2°00'00
max. Earth dist.	-2732 Aug 24 j 14:11	8°♌56'29	10.89914 AU
morning rise	-2732 Sep 10 j 10:17	10°♌55'58	
	-2732 Oct 18 j 21:56	15°♌	
retrograde	-2732 Dec 18 j 04:23	17°♌55'45	
	-2731 Feb 20 j 03:51	15°℞♌	
opposition	-2731 Feb 24 j 23:04	14°♌38'22	2°35'37
min. Earth dist.	-2731 Feb 24 j 23:52	14°♌38'13	8.95423 AU
direct	-2731 May 07 j 06:20	11°♌15'19	
	-2731 Jul 17 j 14:21	15°♌	
evening set	-2731 Aug 19 j 13:20	18°♌31'51	
conjunction	-2731 Sep 05 j 09:28	20°♌30'16	2°13'24
minimum elong	-2731 Sep 05 j 09:26	20°♌30'15	2°13'27
max. Earth dist.	-2731 Sep 05 j 06:48	20°♌29'29	11.00224 AU
morning rise	-2731 Sep 22 j 01:27	22°♌27'28	
retrograde	-2731 Dec 29 j 20:03	29°♌22'38	
opposition	-2730 Mar 09 j 00:40	26°♌06'04	2°48'29
min. Earth dist.	-2730 Mar 09 j 02:53	26°♌05'39	9.04779 AU
direct	-2730 May 19 j 14:05	22°♌44'20	
evening set	-2730 Aug 31 j 05:38	29°♌54'28	
	-2730 Sep 01 j 00:53	0°♍	
conjunction	-2730 Sep 16 j 22:00	1°♍50'57	2°21'20
minimum elong	-2730 Sep 16 j 22:00	1°♍50'57	2°21'23
max. Earth dist.	-2730 Sep 16 j 17:50	1°♍49'44	11.08449 AU
morning rise	-2730 Oct 03 j 10:35	3°♍46'23	

Attention, astronomical year style is used: The year -2729 in astronomical counting style is the year 2730 BCE in historical counting style.

retrograde	-2729 Jan 10 j 08:35	10°♑38'32	
opposition	-2729 Mar 20 j 23:12	7°♑22'30	2°54'36
min. Earth dist.	-2729 Mar 21 j 03:26	7°♑21'43	9.11878 AU
direct	-2729 May 31 j 14:20	4°♑01'56	
evening set	-2729 Sep 11 j 15:48	11°♑06'49	
conjunction	-2729 Sep 28 j 05:09	13°♑01'53	2°23'45
minimum elong	-2729 Sep 28 j 05:09	13°♑01'53	2°23'46
max. Earth dist.	-2729 Sep 27 j 22:52	13°♑00'03	11.14299 AU
morning rise	-2729 Oct 14 j 15:25	14°♑56'08	
retrograde	-2728 Jan 21 j 20:21	21°♑46'52	
opposition	-2728 Mar 31 j 20:11	18°♑31'03	2°54'06
min. Earth dist.	-2728 Apr 01 j 02:58	18°♑29'48	9.16476 AU
direct	-2728 Jun 11 j 11:30	15°♑11'29	
evening set	-2728 Sep 21 j 21:14	22°♑12'15	
conjunction	-2728 Oct 08 j 08:26	24°♑06'28	2°20'44
minimum elong	-2728 Oct 08 j 08:27	24°♑06'28	2°20'44
max. Earth dist.	-2728 Oct 07 j 23:17	24°♑03'48	11.17575 AU
morning rise	-2728 Oct 24 j 17:35	26°♑00'07	
	-2728 Dec 02 j 12:33	0°♎	
retrograde	-2727 Feb 01 j 07:06	2°♎51'04	
	-2727 Apr 06 j 23:43	30°℞♑	
opposition	-2727 Apr 12 j 16:23	29°♑35'07	2°47'10
min. Earth dist.	-2727 Apr 13 j 01:07	29°♑33'31	9.18400 AU
direct	-2727 Jun 23 j 04:53	26°♑16'19	
	-2727 Sep 02 j 11:29	0°♎	
evening set	-2727 Oct 02 j 23:45	3°♎14'17	
conjunction	-2727 Oct 19 j 09:56	5°♎08'13	2°12'29
minimum elong	-2727 Oct 19 j 09:57	5°♎08'14	2°12'28
max. Earth dist.	-2727 Oct 18 j 23:10	5°♎05'05	11.18129 AU
morning rise	-2727 Nov 04 j 18:54	7°♎01'52	
retrograde	-2726 Feb 12 j 20:57	13°♎54'38	
opposition	-2726 Apr 24 j 12:39	10°♎38'13	2°34'05
min. Earth dist.	-2726 Apr 24 j 22:24	10°♎36'26	9.17521 AU
direct	-2726 Jul 04 j 21:44	7°♎19'57	
evening set	-2726 Oct 14 j 01:05	14°♎16'34	
conjunction	-2726 Oct 30 j 11:16	16°♎10'49	1°59'18
minimum elong	-2726 Oct 30 j 11:19	16°♎10'50	1°59'16
max. Earth dist.	-2726 Oct 29 j 23:40	16°♎07'26	11.15865 AU
morning rise	-2726 Nov 15 j 20:53	18°♎05'00	
retrograde	-2725 Feb 24 j 14:49	25°♎01'16	
opposition	-2725 May 06 j 10:40	21°♎44'08	2°15'14
min. Earth dist.	-2725 May 06 j 21:13	21°♎42'12	9.13807 AU
direct	-2725 Jul 16 j 11:44	18°♎26'12	
evening set	-2725 Oct 25 j 03:11	25°♎22'58	
conjunction	-2725 Nov 10 j 14:01	27°♎18'02	1°41'33
minimum elong	-2725 Nov 10 j 14:04	27°♎18'03	1°41'31
max. Earth dist.	-2725 Nov 10 j 01:05	27°♎14'14	11.10830 AU
morning rise	-2725 Nov 27 j 01:16	29°♎13'20	
	-2725 Dec 03 j 21:25	0°♏	
retrograde	-2724 Mar 07 j 12:04	6°♏14'47	
opposition	-2724 May 17 j 11:38	2°♏56'38	1°51'06
min. Earth dist.	-2724 May 17 j 23:22	2°♏54'29	9.07405 AU
	-2724 Jul 06 j 02:03	30°℞♎	
direct	-2724 Jul 27 j 02:26	29°♎38'44	
	-2724 Aug 16 j 22:14	0°♏	
evening set	-2724 Nov 04 j 08:01	6°♏37'14	
conjunction	-2724 Nov 20 j 20:14	8°♏33'39	1°19'41
minimum elong	-2724 Nov 20 j 20:16	8°♏33'39	1°19'39
max. Earth dist.	-2724 Nov 20 j 06:02	8°♏29'27	11.03251 AU
morning rise	-2724 Dec 07 j 10:00	10°♏30'33	
	-2723 Jan 19 j 23:06	15°♏	
retrograde	-2723 Mar 19 j 16:09	17°♏38'44	
	-2723 May 20 j 10:34	15°℞♏	
opposition	-2723 May 29 j 16:22	14°♏19'18	1°22'14
min. Earth dist.	-2723 May 30 j 04:39	14°♏17'02	8.98604 AU
direct	-2723 Aug 07 j 20:35	11°♏01'08	
	-2723 Oct 18 j 22:46	15°♏	
evening set	-2723 Nov 15 j 17:16	18°♏02'55	
conjunction	-2723 Dec 02 j 07:39	20°♏01'07	0°54'19
minimum elong	-2723 Dec 02 j 07:41	20°♏01'07	0°54'16
max. Earth dist.	-2723 Dec 01 j 17:53	19°♏57'00	10.93429 AU
morning rise	-2723 Dec 19 j 00:24	22°♏00'05	
retrograde	-2722 Apr 01 j 02:11	29°♏16'28	
opposition	-2722 Jun 11 j 01:56	25°♏55'30	0°49'26
min. Earth dist.	-2722 Jun 11 j 13:27	25°♏53'21	8.87740 AU
direct	-2722 Aug 19 j 17:32	22°♏36'49	
evening set	-2722 Nov 27 j 08:52	29°♏43'26	
	-2722 Nov 29 j 16:44	0°♐	
conjunction	-2722 Dec 14 j 01:54	1°♐43'49	0°26'13
minimum elong	-2722 Dec 14 j 01:55	1°♐43'49	0°26'08
max. Earth dist.	-2722 Dec 13 j 13:42	1°♐40'08	10.81729 AU
morning rise	-2722 Dec 30 j 21:55	3°♐45'12	
retrograde	-2721 Apr 13 j 21:57	11°♐11'10	
opposition	-2721 Jun 23 j 17:17	7°♐48'30	0°13'41
min. Earth dist.	-2721 Jun 24 j 03:04	7°♐46'39	8.75241 AU
direct	-2721 Aug 31 j 19:53	4°♐29'04	
desc. node	-2721 Nov 10 j 03:09	8°♐25'18	
evening set	-2721 Dec 09 j 08:48	11°♐42'03	
conjunction	-2721 Dec 26 j 04:45	13°♐44'57	-0°03'46
minimum elong	-2721 Dec 26 j 04:44	13°♐44'56	0°03'52
behind sun begin	-2721 Dec 25 j 21:45	13°♐42'50	
behind sun end	-2721 Dec 26 j 11:42	13°♐47'03	
max. Earth dist.	-2721 Dec 25 j 17:31	13°♐41'31	10.68625 AU
morning rise	-2720 Jan 12 j 04:27	15°♐49'04	
retrograde	-2720 Apr 26 j 03:50	23°♐25'41	
opposition	-2720 Jul 05 j 15:19	20°♐01'17	-0°23'46
min. Earth dist.	-2720 Jul 05 j 23:39	19°♐59'41	8.61626 AU
direct	-2720 Sep 12 j 02:09	16°♐40'52	
evening set	-2720 Dec 20 j 18:38	24°♐01'42	
conjunction	-2719 Jan 06 j 17:42	26°♐07'20	-0°34'14
minimum elong	-2719 Jan 06 j 17:41	26°♐07'20	0°34'20
max. Earth dist.	-2719 Jan 06 j 07:41	26°♐04'13	10.54668 AU
morning rise	-2719 Jan 23 j 21:23	28°♐14'26	
	-2719 Feb 07 j 17:12	0°♑	
retrograde	-2719 May 09 j 16:54	6°♑02'29	
opposition	-2719 Jul 18 j 20:30	2°♑36'20	-1°01'19
min. Earth dist.	-2719 Jul 19 j 03:24	2°♑35'00	8.47482 AU
	-2719 Aug 26 j 04:25	30°℞♐	
direct	-2719 Sep 24 j 16:43	29°♐14'44	
	-2719 Oct 23 j 18:07	0°♑	
evening set	-2718 Jan 02 j 15:49	6°♑44'46	
conjunction	-2718 Jan 19 j 18:18	8°♑53'18	-1°03'55
minimum elong	-2718 Jan 19 j 18:15	8°♑53'17	1°04'01
max. Earth dist.	-2718 Jan 19 j 10:27	8°♑50'50	10.40471 AU
morning rise	-2718 Feb 06 j 01:51	11°♑03'27	
retrograde	-2718 May 23 j 15:19	19°♑03'13	
opposition	-2718 Aug 01 j 09:02	15°♑35'25	-1°37'04
min. Earth dist.	-2718 Aug 01 j 14:00	15°♑34'26	8.33467 AU
direct	-2718 Oct 07 j 16:40	12°♑12'32	
evening set	-2717 Jan 16 j 01:17	19°♑52'38	
conjunction	-2717 Feb 02 j 07:26	22°♑04'10	-1°31'09
minimum elong	-2717 Feb 02 j 07:22	22°♑04'09	1°31'13

Attention, astronomical year style is used: The year -2717 in astronomical counting style is the year 2718 BCE in historical counting style.

max. Earth dist.	-2717 Feb 02 j 03:07	22°♑02'47	10.26732 AU
morning rise	-2717 Feb 19 j 18:42	24°♑17'21	
	-2717 Apr 13 j 04:17	0°♒	
retrograde	-2717 Jun 06 j 23:45	2°♒28'25	
	-2717 Aug 02 j 08:52	30°℞♑	
opposition	-2717 Aug 15 j 04:59	28°♑59'09	-2°08'47
min. Earth dist.	-2717 Aug 15 j 07:02	28°♑58'44	8.20302 AU
direct	-2717 Oct 21 j 00:22	25°♑34'55	
	-2716 Jan 01 j 07:19	0°♒	
evening set	-2716 Jan 29 j 23:25	3°♒25'29	
conjunction	-2716 Feb 16 j 09:23	5°♒39'56	-1°54'06
minimum elong	-2716 Feb 16 j 09:20	5°♒39'55	1°54'10
max. Earth dist.	-2716 Feb 16 j 08:50	5°♒39'45	10.14194 AU
morning rise	-2716 Mar 05 j 00:17	7°♒56'01	
	-2716 May 13 j 02:37	15°♒	
retrograde	-2716 Jun 20 j 16:43	16°♒17'05	
	-2716 Jul 29 j 14:56	15°℞♒	
opposition	-2716 Aug 28 j 07:42	12°♒46'37	-2°34'10
min. Earth dist.	-2716 Aug 28 j 06:34	12°♒46'51	8.08715 AU
direct	-2716 Nov 02 j 16:23	9°♒21'02	
	-2715 Jan 24 j 08:25	15°♒	
evening set	-2715 Feb 12 j 10:07	17°♒21'50	
conjunction	-2715 Mar 01 j 23:54	19°♒38'58	-2°11'00
minimum elong	-2715 Mar 01 j 23:52	19°♒38'58	2°11'02
max. Earth dist.	-2715 Mar 02 j 02:53	19°♒39'57	10.03595 AU
morning rise	-2715 Mar 19 j 18:16	21°♒57'39	
	-2715 Jun 13 j 11:28	0°♓	
retrograde	-2715 Jul 05 j 15:05	0°♓26'25	
	-2715 Jul 27 j 18:38	30°℞♒	
opposition	-2715 Sep 11 j 15:58	26°♒55'09	-2°50'57
min. Earth dist.	-2715 Sep 11 j 11:58	26°♒55'59	7.99415 AU
direct	-2715 Nov 16 j 17:45	23°♒28'17	
	-2714 Feb 14 j 09:23	0°♓	
evening set	-2714 Feb 27 j 07:40	1°♓38'13	
conjunction	-2714 Mar 17 j 01:16	3°♓57'42	-2°20'15
minimum elong	-2714 Mar 17 j 01:15	3°♓57'41	2°20'16
max. Earth dist.	-2714 Mar 17 j 07:31	3°♓59'46	9.95633 AU
morning rise	-2714 Apr 03 j 22:53	6°♓18'29	
retrograde	-2714 Jul 20 j 16:17	14°♓51'52	
opposition	-2714 Sep 26 j 04:28	11°♓20'14	-2°57'22
min. Earth dist.	-2714 Sep 25 j 22:02	11°♓21'34	7.93031 AU
direct	-2714 Dec 01 j 02:49	7°♓52'13	
evening set	-2713 Mar 14 j 13:36	16°♓09'20	
conjunction	-2713 Apr 01 j 10:56	18°♓30'37	-2°20'47
minimum elong	-2713 Apr 01 j 10:57	18°♓30'37	2°20'48
max. Earth dist.	-2713 Apr 01 j 20:03	18°♓33'38	9.90877 AU
morning rise	-2713 Apr 19 j 11:29	20°♓52'55	
retrograde	-2713 Aug 04 j 17:49	29°♓27'09	
opposition	-2713 Oct 10 j 19:01	25°♓55'38	-2°52'26
min. Earth dist.	-2713 Oct 10 j 10:54	25°♓57'20	7.90024 AU
direct	-2713 Dec 15 j 18:09	22°♓26'41	
	-2712 Mar 22 j 18:40	0°♈	
evening set	-2712 Mar 29 j 01:08	0°♈48'23	
conjunction	-2712 Apr 16 j 01:48	3°♈10'47	-2°12'17
minimum elong	-2712 Apr 16 j 01:51	3°♈10'48	2°12'16
max. Earth dist.	-2712 Apr 16 j 13:21	3°♈14'36	9.89683 AU
morning rise	-2712 May 04 j 04:35	5°♈33'48	
retrograde	-2712 Aug 18 j 16:26	14°♈04'54	
opposition	-2712 Oct 24 j 09:08	10°♈34'00	-2°36'16
min. Earth dist.	-2712 Oct 23 j 23:39	10°♈36'00	7.90631 AU
direct	-2712 Dec 29 j 13:32	7°♈04'25	
evening set	-2711 Apr 13 j 14:25	15°♈27'41	

conjunction	-2711 May 01 j 17:38	17°♈50'20	-1°55'16
minimum elong	-2711 May 01 j 17:42	17°♈50'21	1°55'14
max. Earth dist.	-2711 May 02 j 07:07	17°♈54'47	9.92155 AU
morning rise	-2711 May 19 j 21:36	20°♈13'10	
retrograde	-2711 Sep 02 j 09:34	28°♈37'33	
opposition	-2711 Nov 07 j 20:52	25°♈07'43	-2°10'06
min. Earth dist.	-2711 Nov 07 j 10:09	25°♈09'57	7.94828 AU
direct	-2710 Jan 13 j 11:11	21°♈37'49	
evening set	-2710 Apr 29 j 01:28	29°♈59'30	
	-2710 Apr 29 j 03:00	0°♉	
conjunction	-2710 May 17 j 06:02	2°♉21'30	-1°31'03
minimum elong	-2710 May 17 j 06:06	2°♉21'31	1°31'00
max. Earth dist.	-2710 May 17 j 20:48	2°♉26'20	9.98128 AU
morning rise	-2710 Jun 04 j 09:54	4°♉43'12	
retrograde	-2710 Sep 16 j 18:08	12°♉58'03	
opposition	-2710 Nov 22 j 04:00	9°♉29'35	-1°36'06
min. Earth dist.	-2710 Nov 21 j 16:25	9°♉31'59	8.02331 AU
direct	-2709 Jan 28 j 07:17	5°♉59'44	
evening set	-2709 May 14 j 07:14	14°♉17'04	
	-2709 May 19 j 21:53	15°♉	
conjunction	-2709 Jun 01 j 11:42	16°♉37'28	-1°01'35
minimum elong	-2709 Jun 01 j 11:45	16°♉37'29	1°01'31
max. Earth dist.	-2709 Jun 02 j 02:53	16°♉42'24	10.07173 AU
morning rise	-2709 Jun 19 j 13:59	18°♉57'09	
retrograde	-2709 Sep 30 j 17:41	27°♉00'34	
opposition	-2709 Dec 06 j 04:53	23°♉33'44	-0°57'01
min. Earth dist.	-2709 Dec 05 j 17:07	23°♉36'09	8.12616 AU
direct	-2708 Feb 11 j 22:49	20°♉04'14	
evening set	-2708 May 28 j 04:48	28°♉14'58	
	-2708 Jun 11 j 00:17	0°♊	
conjunction	-2708 Jun 15 j 07:32	0°♊33'01	-0°29'06
minimum elong	-2708 Jun 15 j 07:33	0°♊33'01	0°29'02
max. Earth dist.	-2708 Jun 15 j 22:15	0°♊37'42	10.18652 AU
morning rise	-2708 Jul 03 j 06:46	2°♊49'55	
retrograde	-2708 Oct 13 j 08:09	10°♊41'06	
opposition	-2708 Dec 18 j 22:48	7°♊16'00	-0°15'44
min. Earth dist.	-2708 Dec 18 j 12:03	7°♊18'11	8.24983 AU
direct	-2707 Feb 25 j 07:44	3°♊47'07	
asc. node	-2707 May 12 j 03:40	8°♊17'19	
evening set	-2707 Jun 11 j 15:54	11°♊49'42	
conjunction	-2707 Jun 29 j 15:20	14°♊04'45	0°04'18
minimum elong	-2707 Jun 29 j 15:20	14°♊04'45	0°04'23
behind sun begin	-2707 Jun 29 j 08:11	14°♊02'32	
behind sun end	-2707 Jun 29 j 22:29	14°♊06'59	
max. Earth dist.	-2707 Jun 30 j 04:14	14°♊08'49	10.31783 AU
morning rise	-2707 Jul 17 j 10:21	16°♊18'26	
retrograde	-2707 Oct 26 j 13:03	23°♊57'27	
opposition	-2706 Jan 01 j 09:05	20°♊34'08	0°25'07
min. Earth dist.	-2706 Jan 01 j 00:24	20°♊35'52	8.38614 AU
direct	-2706 Mar 11 j 09:22	17°♊06'04	
evening set	-2706 Jun 25 j 15:37	24°♊59'43	
conjunction	-2706 Jul 13 j 10:35	27°♊11'28	0°36'27
minimum elong	-2706 Jul 13 j 10:34	27°♊11'28	0°36'31
max. Earth dist.	-2706 Jul 13 j 20:14	27°♊14'28	10.45715 AU
morning rise	-2706 Jul 31 j 00:39	29°♊21'42	
	-2706 Aug 05 j 07:42	0°♋	
retrograde	-2706 Nov 08 j 06:10	6°♋49'25	
opposition	-2705 Jan 14 j 11:40	3°♋27'50	1°03'20
min. Earth dist.	-2705 Jan 14 j 05:37	3°♋29'01	8.52659 AU
direct	-2705 Mar 25 j 04:20	0°♋00'46	
evening set	-2705 Jul 09 j 03:39	7°♋45'25	

Attention, astronomical year style is used: The year -2705 in astronomical counting style is the year 2706 BCE in historical counting style.

conjunction	-2705 Jul 26 j 17:27	9°♋53'47	1°05'57
minimum elong	-2705 Jul 26 j 17:24	9°♋53'46	1°06'02
max. Earth dist.	-2705 Jul 26 j 23:11	9°♋55'32	10.59644 AU
morning rise	-2705 Aug 13 j 02:12	12°♋00'35	
retrograde	-2705 Nov 20 j 15:47	19°♋18'24	
opposition	-2704 Jan 27 j 07:20	15°♋58'23	1°37'16
min. Earth dist.	-2704 Jan 27 j 03:23	15°♋59'09	8.66389 AU
direct	-2704 Apr 06 j 14:25	12°♋32'31	
evening set	-2704 Jul 21 j 04:14	20°♋08'22	
conjunction	-2704 Aug 07 j 12:36	22°♋13'28	1°31'36
minimum elong	-2704 Aug 07 j 12:33	22°♋13'27	1°31'40
max. Earth dist.	-2704 Aug 07 j 15:18	22°♋14'17	10.72952 AU
morning rise	-2704 Aug 24 j 15:54	24°♋17'01	
	-2704 Oct 21 j 18:31	0°♌	
retrograde	-2704 Dec 01 j 19:35	1°♌26'28	
	-2703 Jan 12 j 21:45	30°℞♋	
opposition	-2703 Feb 07 j 20:47	28°♋07'47	2°05'46
min. Earth dist.	-2703 Feb 07 j 18:33	28°♋08'12	8.79250 AU
direct	-2703 Apr 19 j 15:06	24°♋43'09	
	-2703 Jul 14 j 11:31	0°♌	
evening set	-2703 Aug 02 j 18:10	2°♌10'40	
conjunction	-2703 Aug 19 j 21:18	4°♌12'47	1°52'34
minimum elong	-2703 Aug 19 j 21:15	4°♌12'46	1°52'37
max. Earth dist.	-2703 Aug 19 j 21:57	4°♌12'59	10.85143 AU
morning rise	-2703 Sep 05 j 19:23	6°♌13'27	
retrograde	-2703 Dec 13 j 16:32	13°♌16'01	
opposition	-2702 Feb 20 j 04:46	9°♌58'25	2°28'05
min. Earth dist.	-2702 Feb 20 j 04:48	9°♌58'24	8.90770 AU
direct	-2702 May 02 j 08:22	6°♌34'58	
evening set	-2702 Aug 14 j 22:23	13°♌54'53	
	-2702 Aug 24 j 04:50	15°♌	
conjunction	-2702 Aug 31 j 20:39	15°♌54'23	2°08'20
minimum elong	-2702 Aug 31 j 20:37	15°♌54'22	2°08'23
max. Earth dist.	-2702 Aug 31 j 18:50	15°♌53'51	10.95768 AU
morning rise	-2702 Sep 17 j 14:12	17°♌52'34	
retrograde	-2702 Dec 25 j 09:42	24°♌49'52	
opposition	-2701 Mar 04 j 08:21	21°♌33'02	2°43'50
min. Earth dist.	-2701 Mar 04 j 11:22	21°♌32'28	9.00517 AU
direct	-2701 May 14 j 18:25	18°♌10'43	
evening set	-2701 Aug 26 j 18:17	25°♌23'53	
conjunction	-2701 Sep 12 j 12:11	27°♌21'15	2°18'38
minimum elong	-2701 Sep 12 j 12:10	27°♌21'14	2°18'41
max. Earth dist.	-2701 Sep 12 j 07:01	27°♌19'44	11.04445 AU
morning rise	-2701 Sep 29 j 02:10	29°♌17'29	
	-2701 Oct 05 j 07:22	0°♍	
retrograde	-2700 Jan 05 j 21:37	6°♍11'06	
opposition	-2700 Mar 15 j 08:27	2°♍54'44	2°52'51
min. Earth dist.	-2700 Mar 15 j 13:45	2°♍53'45	9.08151 AU
	-2700 May 02 j 03:01	30°℞♌	
direct	-2700 May 25 j 22:17	29°♌33'25	
	-2700 Jun 18 j 14:30	0°♍	
evening set	-2700 Sep 06 j 07:05	6°♍40'53	
conjunction	-2700 Sep 22 j 21:35	8°♍36'36	2°23'24
minimum elong	-2700 Sep 22 j 21:34	8°♍36'36	2°23'26
max. Earth dist.	-2700 Sep 22 j 14:06	8°♍34'25	11.10892 AU
morning rise	-2700 Oct 09 j 08:56	10°♍31'27	
retrograde	-2699 Jan 16 j 09:39	17°♍23'02	
opposition	-2699 Mar 27 j 06:08	14°♍06'48	2°55'10
min. Earth dist.	-2699 Mar 27 j 12:41	14°♍05'35	9.13417 AU
direct	-2699 Jun 06 j 23:17	10°♍46'23	
evening set	-2699 Sep 17 j 14:16	17°♍49'15	
conjunction	-2699 Oct 04 j 02:28	19°♍43'56	2°22'40
minimum elong	-2699 Oct 04 j 02:29	19°♍43'56	2°22'41
max. Earth dist.	-2699 Oct 03 j 17:59	19°♍41'27	11.14894 AU
morning rise	-2699 Oct 20 j 12:04	21°♍37'55	
retrograde	-2698 Jan 27 j 21:38	28°♍29'04	
opposition	-2698 Apr 08 j 02:30	25°♍12'42	2°50'56
min. Earth dist.	-2698 Apr 08 j 10:13	25°♍11'17	9.16139 AU
direct	-2698 Jun 18 j 17:34	21°♍53'02	
evening set	-2698 Sep 28 j 17:57	28°♍52'35	
	-2698 Oct 08 j 12:01	0°♎	
conjunction	-2698 Oct 15 j 04:42	0°♎46'46	2°16'36
minimum elong	-2698 Oct 15 j 04:43	0°♎46'46	2°16'35
max. Earth dist.	-2698 Oct 14 j 18:46	0°♎43'52	11.16320 AU
morning rise	-2698 Oct 31 j 13:36	2°♎40'31	
retrograde	-2697 Feb 08 j 09:57	9°♎32'49	
opposition	-2697 Apr 19 j 22:46	6°♎16'03	2°40'25
min. Earth dist.	-2697 Apr 20 j 08:22	6°♎14'18	9.16242 AU
direct	-2697 Jun 30 j 09:24	2°♎56'58	
evening set	-2697 Oct 09 j 19:48	9°♎54'35	
conjunction	-2697 Oct 26 j 05:52	11°♎48'49	2°05'28
minimum elong	-2697 Oct 26 j 05:54	11°♎48'50	2°05'26
max. Earth dist.	-2697 Oct 25 j 17:55	11°♎45'20	11.15144 AU
morning rise	-2697 Nov 11 j 15:14	13°♎42'53	
retrograde	-2696 Feb 20 j 01:01	20°♎37'58	
opposition	-2696 Apr 30 j 20:15	17°♎20'35	2°23'57
min. Earth dist.	-2696 May 01 j 07:08	17°♎18'35	9.13733 AU
direct	-2696 Jul 11 j 00:42	14°♎01'54	
evening set	-2696 Oct 19 j 21:21	20°♎58'58	
conjunction	-2696 Nov 05 j 07:49	22°♎53'48	1°49'35
minimum elong	-2696 Nov 05 j 07:52	22°♎53'48	1°49'32
max. Earth dist.	-2696 Nov 04 j 19:10	22°♎50'05	11.11400 AU
morning rise	-2696 Nov 21 j 18:30	24°♎48'44	
	-2695 Jan 13 j 21:31	0°♏	
retrograde	-2695 Mar 02 j 20:02	1°♏48'14	
	-2695 Apr 21 j 14:41	30°℞♎	
opposition	-2695 May 12 j 19:53	28°♎29'57	2°01'56
min. Earth dist.	-2695 May 13 j 06:49	28°♎27'56	9.08682 AU
direct	-2695 Jul 22 j 16:22	25°♎11'29	
	-2695 Oct 11 j 14:13	0°♏	
evening set	-2695 Oct 31 j 00:48	2°♏09'31	
conjunction	-2695 Nov 16 j 12:34	4°♏05'27	1°29'22
minimum elong	-2695 Nov 16 j 12:37	4°♏05'28	1°29'19
max. Earth dist.	-2695 Nov 16 j 00:27	4°♏01'53	11.05184 AU
morning rise	-2695 Dec 03 j 01:11	6°♏01'45	
retrograde	-2694 Mar 14 j 22:40	13°♏07'14	
opposition	-2694 May 24 j 22:43	9°♏47'52	1°34'57
min. Earth dist.	-2694 May 25 j 09:10	9°♏45'56	9.01242 AU
direct	-2694 Aug 03 j 09:07	6°♏29'25	
evening set	-2694 Nov 11 j 08:05	13°♏29'57	
	-2694 Nov 24 j 01:22	15°♏	
conjunction	-2694 Nov 27 j 21:36	15°♏27'27	1°05'22
minimum elong	-2694 Nov 27 j 21:38	15°♏27'28	1°05'20
max. Earth dist.	-2694 Nov 27 j 09:17	15°♏23'47	10.96698 AU
morning rise	-2694 Dec 14 j 12:56	17°♏25'36	
retrograde	-2693 Mar 27 j 06:31	24°♏38'33	
opposition	-2693 Jun 06 j 06:19	21°♏17'56	1°03'39
min. Earth dist.	-2693 Jun 06 j 16:38	21°♏16'01	8.91673 AU
direct	-2693 Aug 15 j 02:35	17°♏59'16	
evening set	-2693 Nov 22 j 20:53	25°♏03'53	
conjunction	-2693 Dec 09 j 12:39	27°♏03'22	0°38'17
minimum elong	-2693 Dec 09 j 12:40	27°♏03'22	0°38'14

Attention, astronomical year style is used: The year -2693 in astronomical counting style is the year 2694 BCE in historical counting style.

max. Earth dist.	-2693 Dec 09 j 00:12	26°♏59'37	10.86247 AU
morning rise	-2693 Dec 26 j 07:19	29°♏03'45	
	-2692 Jan 03 j 08:36	0°♐	
retrograde	-2692 Apr 07 j 21:58	6°♐25'39	
opposition	-2692 Jun 17 j 19:28	3°♐03'37	0°28'58
min. Earth dist.	-2692 Jun 18 j 05:30	3°♐01'44	8.80336 AU
	-2692 Aug 08 j 14:49	30°℞♏	
direct	-2692 Aug 26 j 02:56	29°♏44'29	
	-2692 Sep 12 j 11:11	0°♐	
evening set	-2692 Dec 03 j 17:16	6°♐54'46	
conjunction	-2692 Dec 20 j 11:51	8°♐56'34	0°09'01
minimum elong	-2692 Dec 20 j 11:51	8°♐56'34	0°08'57
behind sun begin	-2692 Dec 20 j 05:48	8°♐54'45	
behind sun end	-2692 Dec 20 j 17:54	8°♐58'24	
max. Earth dist.	-2692 Dec 20 j 00:43	8°♐53'11	10.74220 AU
morning rise	-2691 Jan 06 j 10:07	10°♐59'32	
desc. node	-2691 Apr 11 j 07:32	18°♐26'57	
retrograde	-2691 Apr 20 j 22:49	18°♐31'34	
opposition	-2691 Jun 30 j 14:41	15°♐08'02	-0°07'59
min. Earth dist.	-2691 Jun 30 j 23:25	15°♐06'22	8.67675 AU
direct	-2691 Sep 07 j 08:05	11°♐48'13	
evening set	-2691 Dec 15 j 22:54	19°♐05'39	
conjunction	-2690 Jan 01 j 20:40	21°♐10'04	-0°21'29
minimum elong	-2690 Jan 01 j 20:39	21°♐10'04	0°21'34
max. Earth dist.	-2690 Jan 01 j 11:53	21°♐07'22	10.61093 AU
morning rise	-2690 Jan 18 j 22:35	23°♐15'52	
	-2690 Mar 30 j 19:26	0°♑	
retrograde	-2690 May 04 j 08:52	0°♑58'56	
	-2690 Jun 08 j 10:05	30°℞♐	
opposition	-2690 Jul 13 j 16:56	27°♐33'51	-0°45'42
min. Earth dist.	-2690 Jul 13 j 23:19	27°♐32'37	8.54217 AU
direct	-2690 Sep 19 j 19:46	24°♐13'10	
	-2690 Dec 14 j 20:00	0°♑	
evening set	-2690 Dec 28 j 15:15	1°♑39'04	
conjunction	-2689 Jan 14 j 16:18	3°♑46'18	-0°51'42
minimum elong	-2689 Jan 14 j 16:16	3°♑46'17	0°51'47
max. Earth dist.	-2689 Jan 14 j 09:54	3°♑44'17	10.47441 AU
morning rise	-2689 Jan 31 j 21:59	5°♑55'02	
retrograde	-2689 May 18 j 05:09	13°♑49'39	
opposition	-2689 Jul 27 j 02:36	10°♑23'01	-1°22'25
min. Earth dist.	-2689 Jul 27 j 06:30	10°♑22'15	8.40576 AU
direct	-2689 Oct 02 j 15:11	7°♑01'17	
evening set	-2688 Jan 10 j 19:41	14°♑36'41	
conjunction	-2688 Jan 28 j 00:08	16°♑46'48	-1°20'09
minimum elong	-2688 Jan 28 j 00:05	16°♑46'47	1°20'13
max. Earth dist.	-2688 Jan 27 j 19:40	16°♑45'22	10.33909 AU
morning rise	-2688 Feb 14 j 09:40	18°♑58'33	
retrograde	-2688 May 31 j 10:43	27°♑04'28	
opposition	-2688 Aug 08 j 19:30	23°♑36'24	-1°56'03
min. Earth dist.	-2688 Aug 08 j 21:24	23°♑36'01	8.27407 AU
direct	-2688 Oct 14 j 18:10	20°♑13'24	
evening set	-2687 Jan 23 j 12:35	27°♑58'57	
	-2687 Feb 08 j 07:33	0°♒	
conjunction	-2687 Feb 09 j 20:37	0°♒11'56	-1°45'04
minimum elong	-2687 Feb 09 j 20:34	0°♒11'55	1°45'08
max. Earth dist.	-2687 Feb 09 j 18:16	0°♒11'10	10.21156 AU
morning rise	-2687 Feb 27 j 09:57	2°♒26'36	
retrograde	-2687 Jun 14 j 23:51	10°♒42'53	
opposition	-2687 Aug 22 j 19:20	7°♒13'34	-2°24'17
min. Earth dist.	-2687 Aug 22 j 19:36	7°♒13'31	8.15345 AU
direct	-2687 Oct 28 j 06:50	3°♒49'13	
evening set	-2686 Feb 06 j 17:44	11°♒45'01	

conjunction	-2686 Feb 24 j 05:33	14°♒00'45	-2°04'40
minimum elong	-2686 Feb 24 j 05:30	14°♒00'44	2°04'43
max. Earth dist.	-2686 Feb 24 j 05:59	14°♒00'54	10.09813 AU
	-2686 Mar 03 j 19:44	15°♒	
morning rise	-2686 Mar 13 j 22:25	16°♒18'06	
retrograde	-2686 Jun 29 j 18:34	24°♒43'05	
opposition	-2686 Sep 06 j 01:12	21°♒12'50	-2°44'51
min. Earth dist.	-2686 Sep 05 j 23:25	21°♒13'12	8.05022 AU
direct	-2686 Nov 11 j 05:46	17°♒47'09	
evening set	-2685 Feb 21 j 10:23	25°♒52'37	
conjunction	-2685 Mar 11 j 02:09	28°♒10'53	-2°17'15
minimum elong	-2685 Mar 11 j 02:08	28°♒10'52	2°17'17
max. Earth dist.	-2685 Mar 11 j 05:56	28°♒12'07	10.00567 AU
	-2685 Mar 24 j 23:41	0°♓	
morning rise	-2685 Mar 28 j 22:23	0°♓30'35	
retrograde	-2685 Jul 14 j 17:25	9°♓01'40	
opposition	-2685 Sep 20 j 11:46	5°♓30'49	-2°55'46
min. Earth dist.	-2685 Sep 20 j 07:30	5°♓31'42	7.97151 AU
direct	-2685 Nov 25 j 11:43	2°♓03'52	
evening set	-2684 Mar 07 j 12:43	10°♓17'30	
conjunction	-2684 Mar 25 j 08:28	12°♓37'52	-2°21'32
minimum elong	-2684 Mar 25 j 08:28	12°♓37'53	2°21'33
max. Earth dist.	-2684 Mar 25 j 15:53	12°♓40'20	9.94138 AU
morning rise	-2684 Apr 12 j 07:43	14°♓59'23	
retrograde	-2684 Jul 28 j 18:50	23°♓33'06	
opposition	-2684 Oct 04 j 01:17	20°♓02'01	-2°55'41
min. Earth dist.	-2684 Oct 03 j 18:21	20°♓03'28	7.92362 AU
direct	-2684 Dec 09 j 00:04	16°♓33'57	
evening set	-2683 Mar 22 j 21:59	24°♓53'24	
conjunction	-2683 Apr 09 j 21:19	27°♓15'14	-2°16'51
minimum elong	-2683 Apr 09 j 21:21	27°♓15'15	2°16'51
max. Earth dist.	-2683 Apr 10 j 08:00	27°♓18'46	9.91056 AU
morning rise	-2683 Apr 27 j 23:00	29°♓37'51	
	-2683 Apr 30 j 19:39	0°♈	
retrograde	-2683 Aug 12 j 18:59	8°♈10'13	
opposition	-2683 Oct 18 j 15:26	4°♈39'22	-2°44'15
min. Earth dist.	-2683 Oct 18 j 06:21	4°♈41'16	7.91053 AU
direct	-2683 Dec 23 j 17:10	1°♈10'21	
evening set	-2682 Apr 07 j 10:27	9°♈32'43	
conjunction	-2682 Apr 25 j 12:44	11°♈55'13	-2°03'21
minimum elong	-2682 Apr 25 j 12:47	11°♈55'15	2°03'20
max. Earth dist.	-2682 Apr 26 j 01:45	11°♈59'32	9.91590 AU
morning rise	-2682 May 13 j 16:04	14°♈18'05	
retrograde	-2682 Aug 27 j 15:00	22°♈45'18	
opposition	-2682 Nov 02 j 04:01	19°♈15'05	-2°22'11
min. Earth dist.	-2682 Nov 01 j 17:44	19°♈17'14	7.93347 AU
direct	-2681 Jan 07 j 13:16	15°♈45'25	
evening set	-2681 Apr 22 j 22:23	24°♈07'35	
conjunction	-2681 May 11 j 02:34	26°♈29'52	-1°42'03
minimum elong	-2681 May 11 j 02:38	26°♈29'53	1°42'00
max. Earth dist.	-2681 May 11 j 16:47	26°♈34'32	9.95702 AU
morning rise	-2681 May 29 j 06:28	28°♈52'02	
	-2681 Jun 07 j 04:48	0°♉	
retrograde	-2681 Sep 11 j 03:30	7°♉10'52	
opposition	-2681 Nov 16 j 12:52	3°♉41'42	-1°51'18
min. Earth dist.	-2681 Nov 16 j 02:17	3°♉43'55	7.99068 AU
direct	-2680 Jan 22 j 09:59	0°♉11'41	
evening set	-2680 May 07 j 06:22	8°♉30'45	
conjunction	-2680 May 25 j 11:00	10°♉51'52	-1°14'38
minimum elong	-2680 May 25 j 11:04	10°♉51'53	1°14'34
max. Earth dist.	-2680 May 26 j 01:13	10°♉56'29	10.03065 AU

Attention, astronomical year style is used: The year -2680 in astronomical counting style is the year 2681 BCE in historical counting style.

morning rise	-2680 Jun 12 j 14:04	13°♉12'26		
	-2680 Jun 26 j 23:59	15°♉		
retrograde	-2680 Sep 24 j 06:00	21°♉20'35		
opposition	-2680 Nov 29 j 16:08	17°♉52'48	-1°14'09	
min. Earth dist.	-2680 Nov 29 j 05:55	17°♉54'54	8.07800 AU	
	-2679 Jan 09 j 21:24	15°℞♉		
direct	-2679 Feb 05 j 03:37	14°♉22'47		
	-2679 Mar 03 j 09:26	15°♉		
evening set	-2679 May 22 j 07:08	22°♉36'16		
conjunction	-2679 Jun 09 j 10:40	24°♉55'22	-0°43'14	
minimum elong	-2679 Jun 09 j 10:42	24°♉55'23	0°43'10	
max. Earth dist.	-2679 Jun 09 j 23:52	24°♉59'37	10.13150 AU	
morning rise	-2679 Jun 27 j 11:28	27°♉13'32		
	-2679 Jul 20 j 11:56	0°♊		
retrograde	-2679 Oct 07 j 23:11	5°♊09'49		
opposition	-2679 Dec 13 j 12:42	1°♊43'35	-0°33'32	
min. Earth dist.	-2679 Dec 13 j 02:58	1°♊45'35	8.18951 AU	
	-2678 Jan 04 j 16:15	30°℞♉		
direct	-2678 Feb 19 j 15:56	28°♉13'56		
	-2678 Apr 06 j 04:33	0°♊		
evening set	-2678 Jun 05 j 22:12	6°♊19'59		
conjunction	-2678 Jun 23 j 23:11	8°♊36'25	-0°10'06	
minimum elong	-2678 Jun 23 j 23:11	8°♊36'25	0°10'01	
behind sun begin	-2678 Jun 23 j 17:21	8°♊34'35		
behind sun end	-2678 Jun 24 j 05:01	8°♊38'15		
max. Earth dist.	-2678 Jun 24 j 10:56	8°♊40'08	10.25285 AU	
morning rise	-2678 Jul 11 j 20:24	10°♊51'35		
asc. node	-2678 Oct 16 j 15:57	18°♊34'32		
retrograde	-2678 Oct 21 j 06:47	18°♊35'44		
opposition	-2678 Dec 27 j 01:47	15°♊11'09	0°07'44	
min. Earth dist.	-2678 Dec 26 j 16:37	15°♊13'00	8.31803 AU	
direct	-2677 Mar 05 j 21:16	11°♊42'10		
evening set	-2677 Jun 20 j 02:32	19°♊39'41		
conjunction	-2677 Jul 07 j 23:40	21°♊52'58	0°22'49	
minimum elong	-2677 Jul 07 j 23:39	21°♊52'57	0°22'53	
max. Earth dist.	-2677 Jul 08 j 09:54	21°♊56'09	10.38718 AU	
morning rise	-2677 Jul 25 j 16:10	24°♊04'47		
	-2677 Sep 21 j 08:17	0°♋		
retrograde	-2677 Nov 03 j 04:30	1°♋37'16		
	-2677 Dec 17 j 00:03	30°℞♊		
opposition	-2676 Jan 09 j 07:13	28°♊14'23	0°47'16	
min. Earth dist.	-2676 Jan 08 j 23:15	28°♊15'58	8.45606 AU	
direct	-2676 Mar 18 j 18:49	24°♊46'19		
	-2676 Jun 10 j 12:28	0°♋		
evening set	-2676 Jul 02 j 19:17	2°♋34'49		
conjunction	-2676 Jul 20 j 11:36	4°♋44'42	0°53'36	
minimum elong	-2676 Jul 20 j 11:34	4°♋44'42	0°53'41	
max. Earth dist.	-2676 Jul 20 j 20:00	4°♋47'18	10.52705 AU	
morning rise	-2676 Aug 06 j 22:42	6°♋53'02		
retrograde	-2676 Nov 14 j 18:26	14°♋14'56		
opposition	-2675 Jan 21 j 05:35	10°♋53'42	1°23'12	
min. Earth dist.	-2675 Jan 20 j 23:37	10°♋54'52	8.59639 AU	
direct	-2675 Apr 01 j 06:56	7°♋26'47		
evening set	-2675 Jul 16 j 00:15	15°♋06'11		
conjunction	-2675 Aug 02 j 11:11	17°♋12'43	1°21'01	
minimum elong	-2675 Aug 02 j 11:08	17°♋12'42	1°21'04	
max. Earth dist.	-2675 Aug 02 j 17:06	17°♋14'30	10.66555 AU	
morning rise	-2675 Aug 19 j 16:46	19°♋17'39		
retrograde	-2675 Nov 27 j 00:08	26°♋30'20		
opposition	-2674 Feb 02 j 21:14	23°♋10'37	1°54'07	
min. Earth dist.	-2674 Feb 02 j 17:58	23°♋11'14	8.73236 AU	
direct	-2674 Apr 14 j 10:23	19°♋44'58		
evening set	-2674 Jul 28 j 18:18	27°♋15'42		
conjunction	-2674 Aug 14 j 23:42	29°♋19'04	1°44'03	
minimum elong	-2674 Aug 14 j 23:39	29°♋19'03	1°44'06	
max. Earth dist.	-2674 Aug 15 j 01:59	29°♋19'45	10.79643 AU	
	-2674 Aug 20 j 16:03	0°♌		
morning rise	-2674 Sep 01 j 00:05	1°♌20'55		
retrograde	-2674 Dec 08 j 21:37	8°♌25'54		
opposition	-2673 Feb 15 j 06:48	5°♌07'31	2°19'08	
min. Earth dist.	-2673 Feb 15 j 05:47	5°♌07'42	8.85793 AU	
direct	-2673 Apr 27 j 07:08	1°♌43'12		
evening set	-2673 Aug 10 j 02:13	9°♌05'58		
conjunction	-2673 Aug 27 j 02:27	11°♌06'29	2°02'05	
minimum elong	-2673 Aug 27 j 02:24	11°♌06'28	2°02'07	
max. Earth dist.	-2673 Aug 27 j 01:45	11°♌06'16	10.91423 AU	
morning rise	-2673 Sep 12 j 22:04	13°♌05'38		
	-2673 Sep 29 j 19:44	15°♌		
retrograde	-2673 Dec 20 j 16:13	20°♌04'36		
opposition	-2672 Feb 27 j 11:37	16°♌47'16	2°37'43	
min. Earth dist.	-2672 Feb 27 j 12:14	16°♌47'09	8.96796 AU	
	-2672 Mar 23 j 13:49	15°℞♌		
direct	-2672 May 08 j 20:26	13°♌24'21		
	-2672 Jun 23 j 03:26	15°♌		
evening set	-2672 Aug 21 j 00:59	20°♌39'54		
conjunction	-2672 Sep 06 j 20:45	22°♌38'03	2°14'45	
minimum elong	-2672 Sep 06 j 20:43	22°♌38'02	2°14'48	
max. Earth dist.	-2672 Sep 06 j 18:17	22°♌37'19	11.01436 AU	
morning rise	-2672 Sep 23 j 12:12	24°♌34'58		
	-2672 Nov 18 j 16:57	0°♍		
retrograde	-2672 Dec 31 j 06:49	1°♍29'34		
	-2671 Feb 13 j 04:15	30°℞♌		
opposition	-2671 Mar 10 j 12:40	28°♌13'02	2°49'37	
min. Earth dist.	-2671 Mar 10 j 15:08	28°♌12'34	9.05828 AU	
direct	-2671 May 21 j 01:53	24°♌51'24		
	-2671 Aug 14 j 12:03	0°♍		
evening set	-2671 Sep 01 j 16:22	2°♍00'46		
conjunction	-2671 Sep 18 j 08:24	3°♍57'02	2°21'54	
minimum elong	-2671 Sep 18 j 08:23	3°♍57'02	2°21'56	
max. Earth dist.	-2671 Sep 18 j 03:57	3°♍55'44	11.09320 AU	
morning rise	-2671 Oct 04 j 20:39	5°♍52'18		
retrograde	-2670 Jan 11 j 19:38	12°♍44'06		
opposition	-2670 Mar 22 j 10:50	9°♍28'05	2°54'48	
min. Earth dist.	-2670 Mar 22 j 16:01	9°♍27'08	9.12577 AU	
direct	-2670 Jun 02 j 02:20	6°♍07'36		
evening set	-2670 Sep 13 j 01:49	13°♍11'55		
conjunction	-2670 Sep 29 j 14:52	15°♍06'52	2°23'32	
minimum elong	-2670 Sep 29 j 14:52	15°♍06'52	2°23'34	
max. Earth dist.	-2670 Sep 29 j 07:25	15°♍04'41	11.14811 AU	
morning rise	-2670 Oct 16 j 01:05	17°♍01'01		
retrograde	-2669 Jan 23 j 05:42	23°♍51'39		
opposition	-2669 Apr 03 j 07:26	20°♍35'49	2°53'23	
min. Earth dist.	-2669 Apr 03 j 14:57	20°♍34'27	9.16806 AU	
direct	-2669 Jun 13 j 22:00	17°♍16'19		
evening set	-2669 Sep 24 j 06:47	24°♍16'45		
conjunction	-2669 Oct 10 j 17:52	26°♍10'56	2°19'46	
minimum elong	-2669 Oct 10 j 17:53	26°♍10'56	2°19'47	
max. Earth dist.	-2669 Oct 10 j 08:13	26°♍08'07	11.17719 AU	
morning rise	-2669 Oct 27 j 03:02	28°♍04'34		
	-2669 Nov 13 j 13:50	0°♎		
retrograde	-2668 Feb 03 j 17:25	4°♎55'40		
opposition	-2668 Apr 14 j 03:29	1°♎39'40	2°45'34	
min. Earth dist.	-2668 Apr 14 j 12:05	1°♎38'06	9.18359 AU	

Attention, astronomical year style is used: The year -2668 in astronomical counting style is the year 2669 BCE in historical counting style.

	-2668 May 07 j 23:24	30℞♍	
direct	-2668 Jun 24 j 16:46	28°♍20'56	
	-2668 Aug 09 j 21:11	0°♎	
evening set	-2668 Oct 04 j 09:03	5°♎18'47	
conjunction	-2668 Oct 20 j 19:19	7°♎12'45	2°10'49
minimum elong	-2668 Oct 20 j 19:21	7°♎12'46	2°10'48
max. Earth dist.	-2668 Oct 20 j 08:58	7°♎09'44	11.17918 AU
morning rise	-2668 Nov 06 j 04:17	9°♎06'26	
retrograde	-2667 Feb 14 j 09:00	15°♎59'34	
opposition	-2667 Apr 26 j 00:01	12°♎43'06	2°31'40
min. Earth dist.	-2667 Apr 26 j 09:33	12°♎41'21	9.17145 AU
direct	-2667 Jul 06 j 08:10	9°♎24'54	
evening set	-2667 Oct 15 j 10:25	16°♎21'31	
conjunction	-2667 Oct 31 j 20:41	18°♎15'52	1°56'59
minimum elong	-2667 Oct 31 j 20:44	18°♎15'53	1°56'57
max. Earth dist.	-2667 Oct 31 j 08:52	18°♎12'25	11.15345 AU
morning rise	-2667 Nov 17 j 06:29	20°♎10'11	
retrograde	-2666 Feb 26 j 01:39	27°♎06'58	
opposition	-2666 May 07 j 22:22	23°♎49'45	2°12'04
min. Earth dist.	-2666 May 08 j 09:28	23°♎47'43	9.13135 AU
direct	-2666 Jul 17 j 21:31	20°♎31'49	
evening set	-2666 Oct 26 j 12:52	27°♎28'48	
conjunction	-2666 Nov 11 j 23:47	29°♎24'01	1°38'39
minimum elong	-2666 Nov 11 j 23:50	29°♎24'02	1°38'36
max. Earth dist.	-2666 Nov 11 j 09:56	29°♎19'57	11.10021 AU
	-2666 Nov 17 j 02:17	0°♏	
morning rise	-2666 Nov 28 j 11:24	1°♏19'30	
retrograde	-2665 Mar 10 j 00:09	8°♏21'39	
opposition	-2665 May 19 j 23:41	5°♏03'25	1°47'15
min. Earth dist.	-2665 May 20 j 12:07	5°♏01'08	9.06441 AU
direct	-2665 Jul 29 j 13:57	1°♏45'29	
evening set	-2665 Nov 06 j 18:10	8°♏44'25	
conjunction	-2665 Nov 23 j 06:38	10°♏41'02	1°16'16
minimum elong	-2665 Nov 23 j 06:41	10°♏41'03	1°16'14
max. Earth dist.	-2665 Nov 22 j 16:27	10°♏36'50	11.02145 AU
morning rise	-2665 Dec 09 j 20:44	12°♏38'11	
	-2665 Dec 31 j 02:41	15°♏	
retrograde	-2664 Mar 21 j 04:16	19°♏47'19	
opposition	-2664 May 31 j 05:05	16°♏27'45	1°17'49
min. Earth dist.	-2664 May 31 j 17:13	16°♏25'30	8.97344 AU
	-2664 Jun 20 j 16:04	15℞♏	
direct	-2664 Aug 09 j 07:41	13°♏09'35	
	-2664 Sep 26 j 00:32	15°♏	
evening set	-2664 Nov 17 j 04:09	20°♏12'00	
conjunction	-2664 Dec 03 j 18:55	22°♏10'28	0°50'30
minimum elong	-2664 Dec 03 j 18:57	22°♏10'29	0°50'27
max. Earth dist.	-2664 Dec 03 j 05:40	22°♏06'30	10.92034 AU
morning rise	-2664 Dec 20 j 11:57	24°♏09'43	
	-2663 Feb 18 j 21:44	0°♐	
retrograde	-2663 Apr 02 j 17:12	1°♐27'19	
	-2663 May 16 j 15:05	30℞♏	
opposition	-2663 Jun 12 j 15:29	28°♏06'12	0°44'33
min. Earth dist.	-2663 Jun 13 j 02:30	28°♏04'08	8.86211 AU
direct	-2663 Aug 21 j 06:16	24°♏47'29	
	-2663 Nov 12 j 04:19	0°♐	
evening set	-2663 Nov 28 j 20:59	1°♐54'58	
conjunction	-2663 Dec 15 j 14:20	3°♐55'40	0°22'06
minimum elong	-2663 Dec 15 j 14:21	3°♐55'41	0°22'02
max. Earth dist.	-2663 Dec 15 j 01:49	3°♐51'53	10.80087 AU
morning rise	-2662 Jan 01 j 10:46	5°♐57'24	
retrograde	-2662 Apr 15 j 14:38	13°♐24'42	
opposition	-2662 Jun 25 j 07:47	10°♐01'55	0°08'30
min. Earth dist.	-2662 Jun 25 j 17:38	10°♐00'03	8.73494 AU
direct	-2662 Sep 02 j 07:35	6°♐42'25	
desc. node	-2662 Sep 19 j 18:30	6°♐58'15	
evening set	-2662 Dec 10 j 22:17	13°♐56'30	
conjunction	-2662 Dec 27 j 18:28	15°♐59'44	-0°08'01
minimum elong	-2662 Dec 27 j 18:28	15°♐59'44	0°08'06
behind sun begin	-2662 Dec 27 j 12:11	15°♐57'49	
behind sun end	-2662 Dec 28 j 00:46	16°♐01'38	
max. Earth dist.	-2662 Dec 27 j 06:31	15°♐56'04	10.66802 AU
morning rise	-2661 Jan 13 j 18:43	18°♐04'15	
retrograde	-2661 Apr 28 j 19:49	25°♐42'22	
opposition	-2661 Jul 08 j 07:00	22°♐17'49	-0°29'02
min. Earth dist.	-2661 Jul 08 j 15:50	22°♐16'07	8.59739 AU
direct	-2661 Sep 14 j 15:41	18°♐57'17	
evening set	-2661 Dec 23 j 09:31	26°♐19'25	
conjunction	-2660 Jan 09 j 08:57	28°♐25'26	-0°38'27
minimum elong	-2660 Jan 09 j 08:56	28°♐25'25	0°38'32
max. Earth dist.	-2660 Jan 08 j 22:58	28°♐22'19	10.52747 AU
	-2660 Jan 22 j 01:40	0°♑	
morning rise	-2660 Jan 26 j 13:06	0°♑32'55	
retrograde	-2660 May 11 j 10:13	8°♑22'35	
opposition	-2660 Jul 20 j 13:24	4°♑56'16	-1°06'26
min. Earth dist.	-2660 Jul 20 j 20:27	4°♑54'54	8.45551 AU
direct	-2660 Sep 26 j 08:59	1°♑34'32	
evening set	-2659 Jan 04 j 08:22	9°♑05'57	
conjunction	-2659 Jan 21 j 11:21	11°♑14'54	-1°07'53
minimum elong	-2659 Jan 21 j 11:18	11°♑14'53	1°07'58
max. Earth dist.	-2659 Jan 21 j 04:25	11°♑12'43	10.38551 AU
morning rise	-2659 Feb 07 j 19:16	13°♑25'27	
retrograde	-2659 May 25 j 11:16	21°♑26'49	
opposition	-2659 Aug 03 j 03:01	17°♑58'50	-1°41'44
min. Earth dist.	-2659 Aug 03 j 07:27	17°♑57'58	8.31596 AU
direct	-2659 Oct 09 j 08:59	14°♑35'48	
evening set	-2658 Jan 17 j 19:38	22°♑17'22	
conjunction	-2658 Feb 04 j 02:16	24°♑29'17	-1°34'36
minimum elong	-2658 Feb 04 j 02:12	24°♑29'16	1°34'40
max. Earth dist.	-2658 Feb 03 j 22:53	24°♑28'12	10.24918 AU
morning rise	-2658 Feb 21 j 13:51	26°♑42'51	
	-2658 Mar 21 j 05:14	0°♒	
retrograde	-2658 Jun 08 j 21:14	4°♒55'24	
opposition	-2658 Aug 17 j 00:04	1°♒25'57	-2°12'41
min. Earth dist.	-2658 Aug 17 j 01:13	1°♒25'43	8.18593 AU
	-2658 Sep 04 j 09:29	30℞♑	
direct	-2658 Oct 22 j 17:41	28°♑01'34	
	-2658 Dec 08 j 12:28	0°♒	
evening set	-2657 Jan 31 j 19:28	5°♒53'34	
conjunction	-2657 Feb 18 j 05:48	8°♒08'21	-1°56'48
minimum elong	-2657 Feb 18 j 05:44	8°♒08'20	1°56'50
max. Earth dist.	-2657 Feb 18 j 05:42	8°♒08'20	10.12596 AU
morning rise	-2657 Mar 07 j 21:03	10°♒24'48	
	-2657 Apr 16 j 07:14	15°♒	
retrograde	-2657 Jun 23 j 14:41	18°♒47'05	
opposition	-2657 Aug 31 j 03:48	15°♒16'28	-2°36'58
min. Earth dist.	-2657 Aug 31 j 02:01	15°♒16'50	8.07277 AU
	-2657 Sep 03 j 12:41	15℞♒	
direct	-2657 Nov 05 j 11:30	11°♒50'43	
	-2656 Jan 04 j 04:51	15°♒	
evening set	-2656 Feb 15 j 07:38	19°♒52'47	
conjunction	-2656 Mar 03 j 21:46	22°♒10'15	-2°12'41
minimum elong	-2656 Mar 03 j 21:43	22°♒10'14	2°12'43

Attention, astronomical year style is used: The year -2656 in astronomical counting style is the year 2657 BCE in historical counting style.

max. Earth dist.	-2656 Mar 04 j 00:48	22°♒11'15	10.02325 AU
morning rise	-2656 Mar 21 j 16:33	24°♒29'13	
	-2656 May 09 j 00:44	0°♓	
retrograde	-2656 Jul 07 j 13:26	2°♓58'50	
	-2656 Sep 06 j 22:31	30°℞♒	
opposition	-2656 Sep 13 j 12:51	29°♒27'27	-2°52'22
min. Earth dist.	-2656 Sep 13 j 08:42	29°♒28'19	7.98346 AU
direct	-2656 Nov 18 j 13:31	26°♒00'23	
	-2655 Jan 25 j 07:49	0°♓	
evening set	-2655 Mar 01 j 06:24	4°♓11'21	
conjunction	-2655 Mar 19 j 00:22	6°♓31'05	-2°20'46
minimum elong	-2655 Mar 19 j 00:21	6°♓31'05	2°20'47
max. Earth dist.	-2655 Mar 19 j 06:29	6°♓33'07	9.94773 AU
morning rise	-2655 Apr 05 j 22:27	8°♓52'07	
retrograde	-2655 Jul 22 j 15:06	17°♓25'49	
opposition	-2655 Sep 28 j 01:46	13°♓54'08	-2°57'14
min. Earth dist.	-2655 Sep 27 j 19:32	13°♓55'26	7.92396 AU
direct	-2655 Dec 02 j 23:45	10°♓25'56	
evening set	-2654 Mar 16 j 13:04	18°♓43'44	
conjunction	-2654 Apr 03 j 10:45	21°♓05'11	-2°20'02
minimum elong	-2654 Apr 03 j 10:47	21°♓05'11	2°20'03
max. Earth dist.	-2654 Apr 03 j 19:56	21°♓08'13	9.90473 AU
morning rise	-2654 Apr 21 j 11:39	23°♓27'37	
	-2654 Jun 19 j 19:51	0°♈	
retrograde	-2654 Aug 06 j 16:11	2°♈01'39	
	-2654 Sep 24 j 03:59	30°℞♓	
opposition	-2654 Oct 12 j 16:22	28°♓30'08	-2°50'43
min. Earth dist.	-2654 Oct 12 j 08:14	28°♓31'50	7.89857 AU
direct	-2654 Dec 17 j 16:22	25°♓01'02	
	-2653 Mar 04 j 13:23	0°♈	
evening set	-2653 Apr 01 j 00:45	3°♈22'59	
conjunction	-2653 Apr 19 j 01:46	5°♈45'27	-2°10'19
minimum elong	-2653 Apr 19 j 01:49	5°♈45'28	2°10'18
max. Earth dist.	-2653 Apr 19 j 13:45	5°♈49'25	9.89756 AU
morning rise	-2653 May 07 j 04:46	8°♈08'30	
retrograde	-2653 Aug 21 j 13:45	16°♈38'56	
opposition	-2653 Oct 27 j 06:10	13°♈08'03	-2°33'05
min. Earth dist.	-2653 Oct 26 j 20:13	13°♈10'08	7.90933 AU
direct	-2652 Jan 01 j 12:37	9°♈38'22	
evening set	-2652 Apr 15 j 13:44	18°♈01'27	
conjunction	-2652 May 03 j 17:16	20°♈24'04	-1°52'12
minimum elong	-2652 May 03 j 17:20	20°♈24'06	1°52'11
max. Earth dist.	-2652 May 04 j 07:28	20°♈28'45	9.92689 AU
morning rise	-2652 May 21 j 21:18	22°♈46'48	
	-2652 Jul 30 j 14:16	0°♉	
retrograde	-2652 Sep 04 j 05:19	1°♉10'08	
	-2652 Oct 10 j 02:56	30°℞♈	
opposition	-2652 Nov 09 j 17:13	27°♈40'21	-2°05'42
min. Earth dist.	-2652 Nov 09 j 05:50	27°♈42'44	7.95562 AU
direct	-2651 Jan 15 j 09:36	24°♈10'25	
	-2651 Apr 10 j 14:05	0°♉	
evening set	-2651 May 01 j 00:12	2°♉31'34	
conjunction	-2651 May 19 j 04:56	4°♉53'25	-1°27'10
minimum elong	-2651 May 19 j 04:59	4°♉53'26	1°27'07
max. Earth dist.	-2651 May 19 j 20:32	4°♉58'31	9.99066 AU
morning rise	-2651 Jun 06 j 08:37	7°♉14'53	
	-2651 Aug 27 j 02:57	15°♉	
retrograde	-2651 Sep 18 j 13:03	15°♉28'25	
	-2651 Oct 11 j 02:26	15°℞♉	
opposition	-2651 Nov 23 j 23:32	12°♉00'04	-1°30'50
min. Earth dist.	-2651 Nov 23 j 11:24	12°♉02'35	8.03435 AU
direct	-2650 Jan 30 j 03:48	8°♉30'14	
	-2650 May 01 j 20:11	15°♉	
evening set	-2650 May 16 j 04:55	16°♉46'43	
conjunction	-2650 Jun 03 j 09:18	19°♉06'53	-0°57'10
minimum elong	-2650 Jun 03 j 09:21	19°♉06'54	0°57'06
max. Earth dist.	-2650 Jun 04 j 01:13	19°♉12'02	10.08448 AU
morning rise	-2650 Jun 21 j 11:14	21°♉26'15	
retrograde	-2650 Oct 02 j 12:47	29°♉28'13	
opposition	-2650 Dec 07 j 23:31	26°♉01'33	-0°51'18
min. Earth dist.	-2650 Dec 07 j 11:44	26°♉03'58	8.14025 AU
direct	-2649 Feb 13 j 17:55	22°♉32'05	
	-2649 May 25 j 10:18	0°♊	
evening set	-2649 May 31 j 01:12	0°♊41'49	
conjunction	-2649 Jun 18 j 03:38	2°♊59'32	-0°24'27
minimum elong	-2649 Jun 18 j 03:39	2°♊59'33	0°24'22
max. Earth dist.	-2649 Jun 18 j 18:32	3°♊04'17	10.20193 AU
morning rise	-2649 Jul 06 j 02:26	5°♊16'05	
retrograde	-2649 Oct 16 j 02:00	13°♊05'46	
opposition	-2649 Dec 21 j 16:27	9°♊40'53	-0°09'57
min. Earth dist.	-2649 Dec 21 j 06:11	9°♊42'58	8.26631 AU
direct	-2648 Feb 28 j 02:40	6°♊12'05	
asc. node	-2648 Mar 22 j 00:21	6°♊39'30	
evening set	-2648 Jun 13 j 11:03	14°♊13'34	
conjunction	-2648 Jul 01 j 09:58	16°♊28'14	0°08'52
minimum elong	-2648 Jul 01 j 09:57	16°♊28'14	0°08'57
behind sun begin	-2648 Jul 01 j 03:45	16°♊26'18	
behind sun end	-2648 Jul 01 j 16:09	16°♊30'09	
max. Earth dist.	-2648 Jul 01 j 22:23	16°♊32'07	10.33529 AU
morning rise	-2648 Jul 19 j 04:30	18°♊41'31	
retrograde	-2648 Oct 28 j 03:43	26°♊19'03	
opposition	-2647 Jan 03 j 01:43	22°♊55'59	0°30'38
min. Earth dist.	-2647 Jan 02 j 17:21	22°♊57'39	8.40453 AU
direct	-2647 Mar 13 j 04:51	19°♊28'03	
evening set	-2647 Jun 27 j 09:19	27°♊20'30	
conjunction	-2647 Jul 15 j 03:38	29°♊31'48	0°40'44
minimum elong	-2647 Jul 15 j 03:36	29°♊31'47	0°40'48
max. Earth dist.	-2647 Jul 15 j 12:42	29°♊34'36	10.47633 AU
	-2647 Jul 18 j 22:37	0°♋	
morning rise	-2647 Aug 01 j 17:10	1°♋41'35	
retrograde	-2647 Nov 09 j 20:12	9°♋07'54	
opposition	-2646 Jan 16 j 03:18	5°♋46'31	1°08'18
min. Earth dist.	-2646 Jan 15 j 20:54	5°♋47'46	8.54650 AU
direct	-2646 Mar 26 j 22:13	2°♋19'38	
evening set	-2646 Jul 10 j 19:37	10°♋02'54	
conjunction	-2646 Jul 28 j 08:48	12°♋10'48	1°09'44
minimum elong	-2646 Jul 28 j 08:45	12°♋10'47	1°09'48
max. Earth dist.	-2646 Jul 28 j 14:33	12°♋12'34	10.61672 AU
morning rise	-2646 Aug 14 j 16:57	14°♋17'08	
retrograde	-2646 Nov 22 j 05:22	21°♋33'37	
opposition	-2645 Jan 28 j 21:50	18°♋13'46	1°41'30
min. Earth dist.	-2645 Jan 28 j 17:20	18°♋14'39	8.68424 AU
direct	-2645 Apr 09 j 06:05	14°♋48'05	
evening set	-2645 Jul 23 j 18:41	22°♋22'34	
conjunction	-2645 Aug 10 j 02:31	24°♋27'14	1°34'44
minimum elong	-2645 Aug 10 j 02:28	24°♋27'13	1°34'48
max. Earth dist.	-2645 Aug 10 j 05:42	24°♋28'12	10.74949 AU
morning rise	-2645 Aug 27 j 05:06	26°♋30'21	
	-2645 Sep 28 j 00:21	0°♌	
retrograde	-2645 Dec 04 j 07:21	3°♌38'36	
opposition	-2644 Feb 10 j 10:14	0°♌20'05	2°09'08
min. Earth dist.	-2644 Feb 10 j 08:14	0°♌20'28	8.81184 AU
	-2644 Feb 14 j 19:28	30°℞♋	

Attention, astronomical year style is used: The year -2644 in astronomical counting style is the year 2645 BCE in historical counting style.

direct	-2644 Apr 21 j 05:52	26°♋55'39	
	-2644 Jun 23 j 22:14	0°♌	
evening set	-2644 Aug 04 j 07:15	4°♌21'55	
conjunction	-2644 Aug 21 j 09:49	6°♌23'38	1°54'58
minimum elong	-2644 Aug 21 j 09:46	6°♌23'37	1°55'01
max. Earth dist.	-2644 Aug 21 j 10:20	6°♌23'47	10.86974 AU
morning rise	-2644 Sep 07 j 07:16	8°♌23'54	
	-2644 Nov 22 j 22:49	15°♌	
retrograde	-2644 Dec 15 j 04:48	15°♌25'30	
	-2643 Jan 06 j 14:35	15°℞♌	
opposition	-2643 Feb 21 j 17:33	12°♌08'04	2°30'32
min. Earth dist.	-2643 Feb 21 j 18:29	12°♌07'54	8.92492 AU
direct	-2643 May 03 j 21:36	8°♌44'50	
	-2643 Aug 07 j 03:03	15°♌	
evening set	-2643 Aug 16 j 10:14	16°♌03'37	
conjunction	-2643 Sep 02 j 07:53	18°♌02'48	2°09'58
minimum elong	-2643 Sep 02 j 07:51	18°♌02'47	2°10'01
max. Earth dist.	-2643 Sep 02 j 05:00	18°♌01'56	10.97344 AU
morning rise	-2643 Sep 19 j 01:03	20°♌00'40	
retrograde	-2643 Dec 26 j 19:18	26°♌57'14	
opposition	-2642 Mar 05 j 20:27	23°♌40'32	2°45'19
min. Earth dist.	-2642 Mar 06 j 00:06	23°♌39'52	9.01952 AU
direct	-2642 May 16 j 06:47	20°♌18'24	
evening set	-2642 Aug 28 j 05:07	27°♌30'39	
conjunction	-2642 Sep 13 j 22:35	29°♌27'45	2°19'29
minimum elong	-2642 Sep 13 j 22:34	29°♌27'45	2°19'32
max. Earth dist.	-2642 Sep 13 j 16:36	29°♌25'59	11.05706 AU
	-2642 Sep 18 j 12:23	0°♍	
morning rise	-2642 Sep 30 j 12:18	1°♍23'45	
retrograde	-2641 Jan 07 j 07:56	8°♍16'54	
opposition	-2641 Mar 17 j 19:54	5°♍00'37	2°53'23
min. Earth dist.	-2641 Mar 18 j 01:09	4°♍59'38	9.09234 AU
direct	-2641 May 28 j 11:39	1°♍39'28	
evening set	-2641 Sep 08 j 17:09	8°♍46'13	
conjunction	-2641 Sep 25 j 07:28	10°♍41'47	2°23'28
minimum elong	-2641 Sep 25 j 07:28	10°♍41'47	2°23'30
max. Earth dist.	-2641 Sep 25 j 00:04	10°♍39'37	11.11781 AU
morning rise	-2641 Oct 11 j 18:31	12°♍36'27	
retrograde	-2640 Jan 18 j 20:37	19°♍27'46	
opposition	-2640 Mar 28 j 17:20	16°♍11'36	2°54'47
min. Earth dist.	-2640 Mar 28 j 24:00	16°♍10'22	9.14102 AU
direct	-2640 Jun 08 j 09:53	12°♍51'20	
evening set	-2640 Sep 18 j 23:53	19°♍53'40	
conjunction	-2640 Oct 05 j 11:56	21°♍48'15	2°21'59
minimum elong	-2640 Oct 05 j 11:56	21°♍48'15	2°22'00
max. Earth dist.	-2640 Oct 05 j 03:09	21°♍45'42	11.15376 AU
morning rise	-2640 Oct 21 j 21:22	23°♍42'11	
	-2639 Jan 03 j 06:33	0°♎	
retrograde	-2639 Jan 29 j 07:49	0°♎33'18	
	-2639 Feb 24 j 18:20	30°℞♍	
opposition	-2639 Apr 09 j 13:44	27°♍16'57	2°49'40
min. Earth dist.	-2639 Apr 09 j 22:21	27°♍15'22	9.16413 AU
direct	-2639 Jun 20 j 04:01	23°♍57'23	
	-2639 Sep 21 j 17:54	0°♎	
evening set	-2639 Sep 30 j 03:21	0°♎56'37	
conjunction	-2639 Oct 16 j 13:56	2°♎50'47	2°15'13
minimum elong	-2639 Oct 16 j 13:58	2°♎50'47	2°15'12
max. Earth dist.	-2639 Oct 16 j 02:48	2°♎47'32	11.16391 AU
morning rise	-2639 Nov 01 j 22:59	4°♎44'32	
retrograde	-2638 Feb 09 j 20:25	11°♎37'01	
opposition	-2638 Apr 21 j 09:58	8°♎20'14	2°38'19
min. Earth dist.	-2638 Apr 21 j 20:31	8°♎18'18	9.16102 AU
direct	-2638 Jul 01 j 20:18	5°♎01'11	
evening set	-2638 Oct 11 j 05:04	11°♎58'42	
conjunction	-2638 Oct 27 j 15:12	13°♎53'00	2°03'24
minimum elong	-2638 Oct 27 j 15:15	13°♎53'00	2°03'22
max. Earth dist.	-2638 Oct 27 j 02:43	13°♎49'21	11.14803 AU
morning rise	-2638 Nov 13 j 00:46	15°♎47'10	
retrograde	-2637 Feb 21 j 11:15	22°♎42'40	
opposition	-2637 May 03 j 07:33	19°♎25'10	2°21'03
min. Earth dist.	-2637 May 03 j 18:33	19°♎23'09	9.13179 AU
direct	-2637 Jul 13 j 11:35	16°♎06'29	
evening set	-2637 Oct 22 j 06:46	23°♎03'41	
conjunction	-2637 Nov 07 j 17:28	24°♎58'39	1°46'54
minimum elong	-2637 Nov 07 j 17:31	24°♎58'39	1°46'52
max. Earth dist.	-2637 Nov 07 j 05:07	24°♎55'01	11.10650 AU
morning rise	-2637 Nov 24 j 04:17	26°♎53'44	
	-2637 Dec 22 j 23:58	0°♏	
retrograde	-2636 Mar 04 j 08:57	3°♏53'53	
opposition	-2636 May 14 j 07:36	0°♏35'28	1°58'21
min. Earth dist.	-2636 May 14 j 18:21	0°♏33'29	9.07731 AU
	-2636 May 22 j 09:34	30°℞♎	
direct	-2636 Jul 24 j 03:36	27°♎16'58	
	-2636 Sep 21 j 07:25	0°♏	
evening set	-2636 Nov 01 j 10:40	4°♏15'19	
conjunction	-2636 Nov 17 j 22:38	6°♏11'28	1°26'09
minimum elong	-2636 Nov 17 j 22:40	6°♏11'29	1°26'07
max. Earth dist.	-2636 Nov 17 j 10:07	6°♏07'46	11.04056 AU
morning rise	-2636 Dec 04 j 11:32	8°♏08'00	
	-2635 Feb 27 j 06:27	15°♏	
retrograde	-2635 Mar 16 j 10:59	15°♏14'20	
	-2635 Apr 02 j 17:33	15°℞♏	
opposition	-2635 May 26 j 11:06	11°♏54'48	1°30'44
min. Earth dist.	-2635 May 26 j 22:01	11°♏52'46	8.99936 AU
direct	-2635 Aug 04 j 18:51	8°♏36'16	
	-2635 Nov 07 j 09:16	15°♏	
evening set	-2635 Nov 12 j 18:35	15°♏37'23	
conjunction	-2635 Nov 29 j 08:19	17°♏35'08	1°01'42
minimum elong	-2635 Nov 29 j 08:21	17°♏35'09	1°01'40
max. Earth dist.	-2635 Nov 28 j 19:03	17°♏31'11	10.95240 AU
morning rise	-2635 Dec 16 j 00:07	19°♏33'34	
retrograde	-2634 Mar 28 j 19:32	26°♏47'37	
opposition	-2634 Jun 07 j 19:22	23°♏26'48	0°58'57
min. Earth dist.	-2634 Jun 08 j 06:28	23°♏24'44	8.90059 AU
direct	-2634 Aug 16 j 14:51	20°♏07'59	
evening set	-2634 Nov 24 j 08:15	27°♏13'26	
max. Earth dist.	-2634 Dec 10 j 11:45	29°♏09'26	10.84503 AU
conjunction	-2634 Dec 11 j 00:21	29°♏13'13	0°34'17
minimum elong	-2634 Dec 11 j 00:22	29°♏13'14	0°34'13
	-2634 Dec 17 j 11:34	0°♐	
morning rise	-2634 Dec 27 j 19:26	1°♐13'57	
retrograde	-2633 Apr 10 j 12:25	8°♐37'09	
opposition	-2633 Jun 20 j 09:16	5°♐14'54	0°23'54
min. Earth dist.	-2633 Jun 20 j 19:27	5°♐12'59	8.78466 AU
direct	-2633 Aug 28 j 15:15	1°♐55'36	
evening set	-2633 Dec 06 j 05:42	9°♐06'55	
conjunction	-2633 Dec 23 j 00:44	11°♐09'06	0°04'50
minimum elong	-2633 Dec 23 j 00:44	11°♐09'05	0°04'45
behind sun begin	-2633 Dec 22 j 17:51	11°♐07'01	
behind sun end	-2633 Dec 23 j 07:36	11°♐11'10	
max. Earth dist.	-2633 Dec 22 j 14:15	11°♐05'54	10.72248 AU
morning rise	-2632 Jan 08 j 23:18	13°♐12'26	

Attention, astronomical year style is used: The year -2632 in astronomical counting style is the year 2633 BCE in historical counting style.

desc. node	-2632 Feb 20 j 08:01	17°♐45'29	
retrograde	-2632 Apr 22 j 14:17	20°♐45'59	
opposition	-2632 Jul 02 j 05:32	17°♐22'11	-0°13'13
min. Earth dist.	-2632 Jul 02 j 13:37	17°♐20'39	8.65621 AU
direct	-2632 Sep 08 j 21:24	14°♐02'12	
evening set	-2632 Dec 17 j 12:43	21°♐20'53	
conjunction	-2631 Jan 03 j 10:53	23°♐25'42	-0°25'43
minimum elong	-2631 Jan 03 j 10:52	23°♐25'42	0°25'48
max. Earth dist.	-2631 Jan 03 j 02:18	23°♐23'04	10.58976 AU
morning rise	-2631 Jan 20 j 13:11	25°♐31'54	
	-2631 Mar 02 j 05:57	0°♑	
retrograde	-2631 May 06 j 02:43	3°♑16'39	
	-2631 Jul 13 j 11:53	30°℞♐	
opposition	-2631 Jul 15 j 08:54	29°♐51'18	-0°50'53
min. Earth dist.	-2631 Jul 15 j 14:47	29°♐50'09	8.52066 AU
direct	-2631 Sep 21 j 10:06	26°♐30'25	
	-2631 Nov 25 j 04:45	0°♑	
evening set	-2631 Dec 30 j 06:47	3°♑57'45	
conjunction	-2630 Jan 16 j 08:08	6°♑05'24	-0°55'46
minimum elong	-2630 Jan 16 j 08:06	6°♑05'23	0°55'51
max. Earth dist.	-2630 Jan 16 j 01:17	6°♑03'15	10.45277 AU
morning rise	-2630 Feb 02 j 14:17	8°♑14'35	
retrograde	-2630 May 20 j 00:57	16°♑10'53	
opposition	-2630 Jul 28 j 19:41	12°♑44'02	-1°27'17
min. Earth dist.	-2630 Jul 28 j 23:39	12°♑43'16	8.38436 AU
direct	-2630 Oct 04 j 05:11	9°♑22'05	
evening set	-2629 Jan 12 j 12:53	16°♑59'05	
conjunction	-2629 Jan 29 j 17:39	19°♑09'36	-1°23'49
minimum elong	-2629 Jan 29 j 17:36	19°♑09'35	1°23'53
max. Earth dist.	-2629 Jan 29 j 13:00	19°♑08'07	10.31822 AU
morning rise	-2629 Feb 16 j 03:41	21°♑21'47	
retrograde	-2629 Jun 03 j 06:28	29°♑29'22	
opposition	-2629 Aug 11 j 13:52	26°♑01'07	-2°00'17
min. Earth dist.	-2629 Aug 11 j 15:55	26°♑00'43	8.25419 AU
direct	-2629 Oct 17 j 11:13	22°♑37'56	
	-2628 Jan 22 j 23:32	0°♒	
evening set	-2628 Jan 26 j 07:26	0°♒25'06	
conjunction	-2628 Feb 12 j 15:55	2°♒38'28	-1°48'05
minimum elong	-2628 Feb 12 j 15:51	2°♒38'27	1°48'09
max. Earth dist.	-2628 Feb 12 j 14:21	2°♒37'58	10.19298 AU
morning rise	-2628 Mar 01 j 05:39	4°♒53'32	
retrograde	-2628 Jun 16 j 19:37	13°♒11'18	
opposition	-2628 Aug 24 j 14:48	9°♒41'50	-2°27'33
min. Earth dist.	-2628 Aug 24 j 14:39	9°♒41'52	8.13674 AU
direct	-2628 Oct 30 j 02:29	6°♒17'19	
evening set	-2627 Feb 08 j 14:20	14°♒14'33	
	-2627 Feb 14 j 11:53	15°♒	
conjunction	-2627 Feb 26 j 02:40	16°♒30'39	-2°06'47
minimum elong	-2627 Feb 26 j 02:37	16°♒30'38	2°06'49
max. Earth dist.	-2627 Feb 26 j 04:32	16°♒31'15	10.08344 AU
morning rise	-2627 Mar 15 j 19:51	18°♒48'19	
retrograde	-2627 Jul 01 j 15:14	27°♒14'20	
opposition	-2627 Sep 07 j 21:22	23°♒43'57	-2°46'52
min. Earth dist.	-2627 Sep 07 j 18:41	23°♒44'30	8.03798 AU
direct	-2627 Nov 13 j 01:20	20°♒18'07	
evening set	-2626 Feb 23 j 08:21	28°♒24'42	
	-2626 Mar 07 j 13:03	0°♓	
conjunction	-2626 Mar 13 j 00:37	0°♓43'15	-2°18'15
minimum elong	-2626 Mar 13 j 00:36	0°♓43'15	2°18'17
max. Earth dist.	-2626 Mar 13 j 05:46	0°♓44'57	9.99568 AU
morning rise	-2626 Mar 30 j 21:05	3°♓03'12	
retrograde	-2626 Jul 16 j 15:56	11°♓34'50	
opposition	-2626 Sep 22 j 08:30	8°♓03'54	-2°56'17
min. Earth dist.	-2626 Sep 22 j 03:13	8°♓04'59	7.96393 AU
direct	-2626 Nov 27 j 07:14	4°♓36'50	
evening set	-2625 Mar 10 j 11:34	12°♓51'15	
conjunction	-2625 Mar 28 j 07:44	15°♓11'50	-2°21'18
minimum elong	-2625 Mar 28 j 07:45	15°♓11'50	2°21'18
max. Earth dist.	-2625 Mar 28 j 16:06	15°♓14'36	9.93603 AU
morning rise	-2625 Apr 15 j 07:13	17°♓33'31	
retrograde	-2625 Jul 31 j 18:16	26°♓07'18	
opposition	-2625 Oct 06 j 22:19	22°♓36'14	-2°54'36
min. Earth dist.	-2625 Oct 06 j 14:44	22°♓37'48	7.92056 AU
direct	-2625 Dec 11 j 20:39	19°♓08'04	
evening set	-2624 Mar 24 j 21:27	27°♓27'59	
conjunction	-2624 Apr 11 j 21:09	29°♓49'57	-2°15'21
minimum elong	-2624 Apr 11 j 21:11	29°♓49'57	2°15'20
max. Earth dist.	-2624 Apr 12 j 08:09	29°♓53'35	9.90977 AU
	-2624 Apr 13 j 03:31	0°♈	
morning rise	-2624 Apr 29 j 23:05	2°♈12'38	
retrograde	-2624 Aug 14 j 17:55	10°♈44'36	
opposition	-2624 Oct 20 j 12:30	7°♈13'50	-2°41'36
min. Earth dist.	-2624 Oct 20 j 03:20	7°♈15'45	7.91192 AU
direct	-2624 Dec 25 j 14:59	3°♈44'47	
evening set	-2623 Apr 09 j 10:09	12°♈07'17	
conjunction	-2623 Apr 27 j 12:40	14°♈29'48	-2°00'41
minimum elong	-2623 Apr 27 j 12:43	14°♈29'49	2°00'39
max. Earth dist.	-2623 Apr 28 j 01:27	14°♈34'01	9.91953 AU
morning rise	-2623 May 15 j 16:12	16°♈52'38	
retrograde	-2623 Aug 29 j 12:26	25°♈19'02	
opposition	-2623 Nov 04 j 00:55	21°♈48'59	-2°18'11
min. Earth dist.	-2623 Nov 03 j 14:57	21°♈51'04	7.93912 AU
direct	-2622 Jan 09 j 11:41	18°♈19'19	
evening set	-2622 Apr 24 j 21:44	26°♈41'14	
conjunction	-2622 May 13 j 01:59	29°♈03'25	-1°38'25
minimum elong	-2622 May 13 j 02:03	29°♈03'26	1°38'22
max. Earth dist.	-2622 May 13 j 15:44	29°♈07'56	9.96479 AU
	-2622 May 20 j 06:38	0°♉	
morning rise	-2622 May 31 j 05:59	1°♉25'28	
retrograde	-2622 Sep 12 j 23:16	9°♉43'10	
opposition	-2622 Nov 18 j 09:19	6°♉14'13	-1°46'15
min. Earth dist.	-2622 Nov 17 j 22:58	6°♉16'22	8.00030 AU
direct	-2621 Jan 24 j 07:47	2°♉44'15	
evening set	-2621 May 10 j 05:02	11°♉02'43	
conjunction	-2621 May 28 j 09:39	13°♉23'39	-1°10'18
minimum elong	-2621 May 28 j 09:42	13°♉23'40	1°10'15
max. Earth dist.	-2621 May 28 j 23:25	13°♉28'07	10.04216 AU
	-2621 Jun 09 j 19:11	15°♉	
morning rise	-2621 Jun 15 j 12:39	15°♉43'59	
retrograde	-2621 Sep 27 j 01:21	23°♉50'47	
opposition	-2621 Dec 02 j 11:49	20°♉23'14	-1°08'26
min. Earth dist.	-2621 Dec 02 j 01:26	20°♉25'22	8.09106 AU
direct	-2620 Feb 08 j 00:54	16°♉53'18	
evening set	-2620 May 24 j 04:52	25°♉05'57	
conjunction	-2620 Jun 11 j 08:16	27°♉24'47	-0°38'32
minimum elong	-2620 Jun 11 j 08:17	27°♉24'47	0°38'27
max. Earth dist.	-2620 Jun 11 j 21:24	27°♉28'59	10.14608 AU
morning rise	-2620 Jun 29 j 08:46	29°♉42'37	
	-2620 Jul 01 j 16:18	0°♊	
retrograde	-2620 Oct 09 j 17:28	7°♊37'27	
opposition	-2620 Dec 15 j 07:32	4°♊11'27	-0°27'35
min. Earth dist.	-2620 Dec 14 j 21:16	4°♊13'33	8.20521 AU

Attention, astronomical year style is used: The year -2619 in astronomical counting style is the year 2620 BCE in historical counting style.

direct	-2619 Feb 21 j 12:54	0°♊41'56	
evening set	-2619 Jun 07 j 18:48	8°♊46'58	
conjunction	-2619 Jun 25 j 19:27	11°♊03'01	-0°05'21
minimum elong	-2619 Jun 25 j 19:27	11°♊03'01	0°05'16
behind sun begin	-2619 Jun 25 j 12:24	11°♊00'49	
behind sun end	-2619 Jun 26 j 02:31	11°♊05'14	
max. Earth dist.	-2619 Jun 26 j 07:42	11°♊06'53	10.26964 AU
morning rise	-2619 Jul 13 j 16:07	13°♊17'48	
asc. node	-2619 Aug 25 j 02:34	18°♊01'45	
retrograde	-2619 Oct 22 j 23:41	21°♊00'30	
opposition	-2619 Dec 28 j 19:44	17°♊36'10	0°13'34
min. Earth dist.	-2619 Dec 28 j 10:13	17°♊38'05	8.33556 AU
direct	-2618 Mar 07 j 17:24	14°♊07'21	
evening set	-2618 Jun 21 j 21:44	22°♊03'42	
conjunction	-2618 Jul 09 j 18:24	24°♊16'34	0°27'23
minimum elong	-2618 Jul 09 j 18:23	24°♊16'33	0°27'28
max. Earth dist.	-2618 Jul 10 j 05:15	24°♊19'56	10.40533 AU
morning rise	-2618 Jul 27 j 10:14	26°♊27'56	
	-2618 Aug 27 j 09:12	0°♋	
retrograde	-2618 Nov 04 j 21:13	3°♋59'04	
opposition	-2617 Jan 11 j 00:14	0°♋36'24	0°52'41
min. Earth dist.	-2617 Jan 10 j 16:36	0°♋37'55	8.47458 AU
	-2617 Jan 18 j 16:39	30°℞♊	
direct	-2617 Mar 21 j 12:37	27°♊08'30	
	-2617 May 20 j 14:55	0°♋	
evening set	-2617 Jul 05 j 13:06	4°♋55'47	
conjunction	-2617 Jul 23 j 04:47	7°♋05'15	0°57'45
minimum elong	-2617 Jul 23 j 04:45	7°♋05'14	0°57'49
max. Earth dist.	-2617 Jul 23 j 13:04	7°♋07'48	10.54566 AU
morning rise	-2617 Aug 09 j 15:14	9°♋13'08	
retrograde	-2617 Nov 17 j 09:35	16°♋33'44	
opposition	-2616 Jan 23 j 21:38	13°♋12'43	1°27'56
min. Earth dist.	-2616 Jan 23 j 16:27	13°♋13'44	8.61500 AU
direct	-2616 Apr 02 j 23:46	9°♋45'57	
evening set	-2616 Jul 17 j 16:43	17°♋24'10	
conjunction	-2616 Aug 04 j 02:53	19°♋30'16	1°24'34
minimum elong	-2616 Aug 04 j 02:50	19°♋30'15	1°24'37
max. Earth dist.	-2616 Aug 04 j 07:50	19°♋31'46	10.68375 AU
morning rise	-2616 Aug 21 j 07:54	21°♋34'48	
retrograde	-2616 Nov 28 j 12:36	28°♋46'20	
opposition	-2615 Feb 04 j 12:21	25°♋26'46	1°58'01
min. Earth dist.	-2615 Feb 04 j 09:23	25°♋27'21	8.75019 AU
direct	-2615 Apr 16 j 03:58	22°♋01'16	
evening set	-2615 Jul 30 j 09:17	29°♋30'52	
	-2615 Aug 03 j 12:08	0°♌	
conjunction	-2615 Aug 16 j 14:01	1°♌33'48	1°46'53
minimum elong	-2615 Aug 16 j 13:58	1°♌33'47	1°46'56
max. Earth dist.	-2615 Aug 16 j 15:41	1°♌34'18	10.81350 AU
morning rise	-2615 Sep 02 j 13:51	3°♌35'16	
retrograde	-2615 Dec 10 j 11:00	10°♌39'19	
opposition	-2614 Feb 16 j 21:03	7°♌21'02	2°22'07
min. Earth dist.	-2614 Feb 16 j 19:43	7°♌21'17	8.87427 AU
direct	-2614 Apr 28 j 23:23	3°♌56'53	
evening set	-2614 Aug 11 j 15:44	11°♌18'31	
conjunction	-2614 Aug 28 j 15:31	13°♌18'42	2°04'09
minimum elong	-2614 Aug 28 j 15:29	13°♌18'41	2°04'11
max. Earth dist.	-2614 Aug 28 j 15:05	13°♌18'34	10.92950 AU
	-2614 Sep 11 j 22:26	15°♌	
morning rise	-2614 Sep 14 j 10:34	15°♌17'31	
retrograde	-2614 Dec 22 j 04:24	22°♌15'41	
opposition	-2613 Mar 01 j 01:04	18°♌58'26	2°39'43
min. Earth dist.	-2613 Mar 01 j 01:39	18°♌58'20	8.98214 AU
direct	-2613 May 11 j 09:58	15°♌35'39	
evening set	-2613 Aug 23 j 13:26	22°♌50'13	
conjunction	-2613 Sep 09 j 08:47	24°♌48'05	2°16'00
minimum elong	-2613 Sep 09 j 08:45	24°♌48'04	2°16'03
max. Earth dist.	-2613 Sep 09 j 06:22	24°♌47'22	11.02721 AU
morning rise	-2613 Sep 25 j 23:45	26°♌44'44	
	-2613 Oct 26 j 06:20	0°♍	
retrograde	-2612 Jan 02 j 18:42	3°♍38'42	
opposition	-2612 Mar 12 j 01:29	0°♍22'15	2°50'38
min. Earth dist.	-2612 Mar 12 j 04:45	0°♍21'38	9.06983 AU
	-2612 Mar 17 j 01:21	30°℞♌	
direct	-2612 May 22 j 15:21	27°♌00'44	
	-2612 Jul 24 j 23:29	0°♍	
evening set	-2612 Sep 03 j 03:52	4°♍09'15	
conjunction	-2612 Sep 19 j 19:27	6°♍05'18	2°22'21
minimum elong	-2612 Sep 19 j 19:26	6°♍05'18	2°22'24
max. Earth dist.	-2612 Sep 19 j 14:03	6°♍03'44	11.10327 AU
morning rise	-2612 Oct 06 j 07:29	8°♍00'22	
retrograde	-2611 Jan 13 j 06:08	14°♍51'45	
opposition	-2611 Mar 23 j 23:16	11°♍35'45	2°54'51
min. Earth dist.	-2611 Mar 24 j 05:07	11°♍34'41	9.13440 AU
direct	-2611 Jun 03 j 14:26	8°♍15'23	
evening set	-2611 Sep 14 j 12:23	15°♍18'59	
conjunction	-2611 Oct 01 j 01:10	17°♍13'47	2°23'12
minimum elong	-2611 Oct 01 j 01:10	17°♍13'47	2°23'14
max. Earth dist.	-2611 Sep 30 j 17:06	17°♍11'25	11.15518 AU
morning rise	-2611 Oct 17 j 11:19	19°♍07'50	
retrograde	-2610 Jan 24 j 16:18	25°♍58'15	
opposition	-2610 Apr 04 j 19:25	22°♍42'24	2°52'30
min. Earth dist.	-2610 Apr 05 j 02:47	22°♍41'03	9.17351 AU
direct	-2610 Jun 15 j 11:04	19°♍22'58	
evening set	-2610 Sep 25 j 16:46	26°♍22'54	
conjunction	-2610 Oct 12 j 03:50	28°♍17'00	2°18'41
minimum elong	-2610 Oct 12 j 03:51	28°♍17'00	2°18'41
max. Earth dist.	-2610 Oct 11 j 18:34	28°♍14'18	11.18102 AU
	-2610 Oct 26 j 23:48	0°♎	
morning rise	-2610 Oct 28 j 12:54	0°♎10'35	
retrograde	-2609 Feb 05 j 05:31	7°♎01'39	
opposition	-2609 Apr 16 j 15:10	3°♎45'37	2°43'48
min. Earth dist.	-2609 Apr 16 j 23:29	3°♎44'06	9.18574 AU
direct	-2609 Jun 27 j 04:17	0°♎26'59	
evening set	-2609 Oct 06 j 18:46	7°♎24'27	
conjunction	-2609 Oct 23 j 05:03	9°♎18'26	2°09'02
minimum elong	-2609 Oct 23 j 05:05	9°♎18'26	2°09'01
max. Earth dist.	-2609 Oct 22 j 18:40	9°♎15'25	11.17982 AU
morning rise	-2609 Nov 08 j 14:02	11°♎12'08	
retrograde	-2608 Feb 16 j 19:22	18°♎05'25	
opposition	-2608 Apr 27 j 11:51	14°♎48'54	2°29'05
min. Earth dist.	-2608 Apr 27 j 21:47	14°♎47'06	9.17056 AU
direct	-2608 Jul 07 j 18:00	11°♎30'47	
evening set	-2608 Oct 16 j 20:03	18°♎27'13	
conjunction	-2608 Nov 02 j 06:17	20°♎21'36	1°54'33
minimum elong	-2608 Nov 02 j 06:20	20°♎21'37	1°54'31
max. Earth dist.	-2608 Nov 01 j 17:46	20°♎17'56	11.15131 AU
morning rise	-2608 Nov 18 j 16:21	22°♎15'59	
retrograde	-2607 Feb 27 j 13:22	29°♎13'07	
opposition	-2607 May 09 j 10:21	25°♎55'49	2°08'45
min. Earth dist.	-2607 May 09 j 22:01	25°♎53'41	9.12792 AU
direct	-2607 Jul 19 j 09:21	22°♎37'54	
evening set	-2607 Oct 27 j 22:36	29°♎34'51	

Attention, astronomical year style is used: The year -2607 in astronomical counting style is the year 2608 BCE in historical counting style.

	-2607 Oct 31 j 13:44	0°♏	
conjunction	-2607 Nov 13 j 09:42	1°♏30'10	1°35'39
minimum elong	-2607 Nov 13 j 09:44	1°♏30'11	1°35'36
max. Earth dist.	-2607 Nov 12 j 19:44	1°♏26'04	11.09567 AU
morning rise	-2607 Nov 29 j 21:36	3°♏25'46	
retrograde	-2606 Mar 11 j 11:06	10°♏28'23	
opposition	-2606 May 21 j 11:41	7°♏10'01	1°43'17
min. Earth dist.	-2606 May 22 j 00:03	7°♏07'45	9.05855 AU
direct	-2606 Jul 31 j 00:56	3°♏52'06	
evening set	-2606 Nov 08 j 04:11	10°♏51'11	
conjunction	-2606 Nov 24 j 16:59	12°♏47'57	1°12'48
minimum elong	-2606 Nov 24 j 17:01	12°♏47'57	1°12'45
max. Earth dist.	-2606 Nov 24 j 03:22	12°♏43'55	11.01434 AU
morning rise	-2606 Dec 11 j 07:16	14°♏45'15	
	-2606 Dec 13 j 10:14	15°♏	
retrograde	-2605 Mar 23 j 17:08	21°♏55'03	
opposition	-2605 Jun 02 j 17:24	18°♏35'22	1°13'19
min. Earth dist.	-2605 Jun 03 j 05:04	18°♏33'12	8.96494 AU
direct	-2605 Aug 11 j 19:48	15°♏17'11	
evening set	-2605 Nov 19 j 14:46	22°♏19'57	
conjunction	-2605 Dec 06 j 05:47	24°♏18'38	0°46'39
minimum elong	-2605 Dec 06 j 05:49	24°♏18'38	0°46'36
max. Earth dist.	-2605 Dec 05 j 16:23	24°♏14'37	10.91059 AU
morning rise	-2605 Dec 22 j 23:07	26°♏18'06	
	-2604 Jan 26 j 02:31	0°♐	
retrograde	-2604 Apr 04 j 07:38	3°♐36'32	
opposition	-2604 Jun 14 j 04:28	0°♐15'20	0°39'40
min. Earth dist.	-2604 Jun 14 j 15:32	0°♐13'15	8.85106 AU
	-2604 Jun 17 j 14:25	30°℞♏	
direct	-2604 Aug 22 j 16:42	26°♏56'35	
	-2604 Oct 23 j 11:14	0°♐	
evening set	-2604 Nov 30 j 08:29	4°♐04'39	
conjunction	-2604 Dec 17 j 02:03	6°♐05'36	0°18'01
minimum elong	-2604 Dec 17 j 02:03	6°♐05'36	0°17'57
max. Earth dist.	-2604 Dec 16 j 12:39	6°♐01'32	10.78877 AU
morning rise	-2603 Jan 02 j 22:57	8°♐07'37	
retrograde	-2603 Apr 17 j 04:07	15°♐35'57	
opposition	-2603 Jun 26 j 21:30	12°♐13'03	0°03'23
min. Earth dist.	-2603 Jun 27 j 08:02	12°♐11'04	8.72174 AU
desc. node	-2603 Jul 31 j 07:16	9°♐52'07	
direct	-2603 Sep 03 j 19:24	8°♐53'29	
evening set	-2603 Dec 12 j 10:49	16°♐08'25	
conjunction	-2603 Dec 29 j 07:21	18°♐11'57	-0°12'11
minimum elong	-2603 Dec 29 j 07:20	18°♐11'56	0°12'16
behind sun begin	-2603 Dec 29 j 02:35	18°♐10'29	
behind sun end	-2603 Dec 29 j 12:06	18°♐13'23	
max. Earth dist.	-2603 Dec 28 j 19:07	18°♐08'11	10.65396 AU
morning rise	-2602 Jan 15 j 08:02	20°♐16'46	
retrograde	-2602 Apr 30 j 10:31	27°♐56'06	
opposition	-2602 Jul 09 j 21:31	24°♐31'26	-0°34'10
min. Earth dist.	-2602 Jul 10 j 06:46	24°♐29'39	8.58252 AU
direct	-2602 Sep 16 j 05:49	21°♐10'48	
evening set	-2602 Dec 24 j 23:17	28°♐33'59	
	-2601 Jan 05 j 13:54	0°♑	
conjunction	-2601 Jan 10 j 23:08	0°♑40'19	-0°42'32
minimum elong	-2601 Jan 10 j 23:07	0°♑40'19	0°42'37
max. Earth dist.	-2601 Jan 10 j 13:43	0°♑37'23	10.51197 AU
morning rise	-2601 Jan 28 j 03:35	2°♑48'09	
retrograde	-2601 May 14 j 03:24	10°♑39'10	
opposition	-2601 Jul 23 j 04:51	7°♑12'43	-1°11'21
min. Earth dist.	-2601 Jul 23 j 11:32	7°♑11'25	8.43966 AU
direct	-2601 Sep 28 j 22:44	3°♑50'53	
evening set	-2600 Jan 06 j 23:34	11°♑23'30	
conjunction	-2600 Jan 24 j 02:57	13°♑32'47	-1°11'40
minimum elong	-2600 Jan 24 j 02:54	13°♑32'46	1°11'44
max. Earth dist.	-2600 Jan 23 j 20:39	13°♑30'48	10.36942 AU
morning rise	-2600 Feb 10 j 11:10	15°♑43'41	
retrograde	-2600 May 27 j 05:28	23°♑46'27	
opposition	-2600 Aug 04 j 19:31	20°♑18'20	-1°46'09
min. Earth dist.	-2600 Aug 04 j 23:15	20°♑17'36	8.30003 AU
direct	-2600 Oct 10 j 23:56	16°♑55'11	
evening set	-2599 Jan 19 j 12:28	24°♑38'03	
conjunction	-2599 Feb 05 j 19:25	26°♑50'19	-1°37'50
minimum elong	-2599 Feb 05 j 19:22	26°♑50'18	1°37'54
max. Earth dist.	-2599 Feb 05 j 16:04	26°♑49'15	10.23346 AU
morning rise	-2599 Feb 23 j 07:24	29°♑04'14	
	-2599 Mar 02 j 18:46	0°♒	
retrograde	-2599 Jun 10 j 16:31	7°♒18'07	
opposition	-2599 Aug 18 j 17:33	3°♒48'33	-2°16'18
min. Earth dist.	-2599 Aug 18 j 18:23	3°♒48'23	8.17085 AU
direct	-2599 Oct 24 j 09:43	0°♒24'01	
evening set	-2598 Feb 02 j 13:55	8°♒17'22	
conjunction	-2598 Feb 20 j 00:30	10°♒32'30	-1°59'15
minimum elong	-2598 Feb 20 j 00:27	10°♒32'29	1°59'18
max. Earth dist.	-2598 Feb 19 j 24:00	10°♒32'20	10.11160 AU
morning rise	-2598 Mar 09 j 16:10	12°♒49'16	
	-2598 Mar 27 j 07:23	15°♒	
retrograde	-2598 Jun 25 j 10:59	21°♒12'41	
opposition	-2598 Sep 01 j 22:11	17°♒41'59	-2°39'29
min. Earth dist.	-2598 Sep 01 j 20:34	17°♒42'19	8.05952 AU
	-2598 Oct 10 j 00:55	15°℞♒	
direct	-2598 Nov 07 j 04:18	14°♒16'05	
	-2598 Dec 05 j 01:32	15°♒	
evening set	-2597 Feb 17 j 03:25	22°♒19'25	
conjunction	-2597 Mar 06 j 17:51	24°♒37'10	-2°14'09
minimum elong	-2597 Mar 06 j 17:49	24°♒37'10	2°14'11
max. Earth dist.	-2597 Mar 06 j 20:37	24°♒38'05	10.01123 AU
morning rise	-2597 Mar 24 j 13:04	26°♒56'27	
	-2597 Apr 18 j 10:46	0°♓	
retrograde	-2597 Jul 10 j 10:35	5°♓26'54	
opposition	-2597 Sep 16 j 08:00	1°♓55'28	-2°53'32
min. Earth dist.	-2597 Sep 16 j 04:07	1°♓56'16	7.97299 AU
	-2597 Oct 11 j 01:27	30°℞♒	
direct	-2597 Nov 21 j 07:52	28°♒28'14	
	-2597 Dec 31 j 21:47	0°♓	
evening set	-2596 Mar 03 j 03:17	6°♓40'17	
conjunction	-2596 Mar 20 j 21:40	9°♓00'16	-2°21'04
minimum elong	-2596 Mar 20 j 21:40	9°♓00'16	2°21'05
max. Earth dist.	-2596 Mar 21 j 03:57	9°♓02'20	9.93890 AU
morning rise	-2596 Apr 07 j 20:08	11°♓21'33	
retrograde	-2596 Jul 24 j 12:04	19°♓55'41	
opposition	-2596 Sep 29 j 21:21	16°♓23'57	-2°56'53
min. Earth dist.	-2596 Sep 29 j 15:07	16°♓25'15	7.91696 AU
direct	-2596 Dec 04 j 20:14	12°♓55'36	
evening set	-2595 Mar 18 j 10:52	21°♓14'12	
conjunction	-2595 Apr 05 j 09:01	23°♓35'51	-2°19'08
minimum elong	-2595 Apr 05 j 09:03	23°♓35'51	2°19'08
max. Earth dist.	-2595 Apr 05 j 18:45	23°♓39'04	9.89962 AU
morning rise	-2595 Apr 23 j 10:10	25°♓58'26	
	-2595 May 26 j 14:01	0°♈	
retrograde	-2595 Aug 08 j 11:59	4°♈32'26	
opposition	-2595 Oct 14 j 12:01	1°♈00'55	-2°48'49

Attention, astronomical year style is used: The year -2595 in astronomical counting style is the year 2596 BCE in historical counting style.

min. Earth dist.	-2595 Oct 14 j 03:26	1°♈02'42	7.89542 AU	
	-2595 Oct 26 j 19:22	30°℞♓		
direct	-2595 Dec 19 j 13:25	27°♓31'42		
	-2594 Feb 09 j 20:57	0°♈		
evening set	-2594 Apr 02 j 22:54	5°♈54'04		
conjunction	-2594 Apr 21 j 00:21	8°♈16'39	-2°08'13	
minimum elong	-2594 Apr 21 j 00:24	8°♈16'40	2°08'12	
max. Earth dist.	-2594 Apr 21 j 13:13	8°♈20'55	9.89647 AU	
morning rise	-2594 May 09 j 03:27	10°♈39'44		
retrograde	-2594 Aug 23 j 09:04	19°♈09'43		
opposition	-2594 Oct 29 j 01:44	15°♈38'52	-2°29'46	
min. Earth dist.	-2594 Oct 28 j 15:02	15°♈41'06	7.91020 AU	
direct	-2593 Jan 03 j 09:05	12°♈09'06		
evening set	-2593 Apr 18 j 11:45	20°♈32'11		
conjunction	-2593 May 06 j 15:36	22°♈54'50	-1°49'04	
minimum elong	-2593 May 06 j 15:40	22°♈54'51	1°49'02	
max. Earth dist.	-2593 May 07 j 06:45	22°♈59'49	9.92982 AU	
morning rise	-2593 May 24 j 19:37	25°♈17'30		
	-2593 Jul 03 j 17:36	0°♉		
retrograde	-2593 Sep 07 j 00:40	3°♉40'01		
opposition	-2593 Nov 12 j 12:25	0°♉10'17	-2°01'13	
min. Earth dist.	-2593 Nov 12 j 00:30	0°♉12'46	7.96036 AU	
	-2593 Nov 14 j 13:42	30°℞♈		
direct	-2592 Jan 18 j 04:48	26°♈40'17		
	-2592 Mar 20 j 13:08	0°♉		
evening set	-2592 May 02 j 21:53	5°♉01'06		
conjunction	-2592 May 21 j 02:43	7°♉22'52	-1°23'14	
minimum elong	-2592 May 21 j 02:47	7°♉22'53	1°23'10	
max. Earth dist.	-2592 May 21 j 18:53	7°♉28'09	9.99730 AU	
morning rise	-2592 Jun 08 j 06:16	9°♉44'11		
	-2592 Jul 24 j 08:55	15°♉		
retrograde	-2592 Sep 20 j 08:58	17°♉56'35		
	-2592 Nov 19 j 08:40	15°℞♉		
opposition	-2592 Nov 25 j 18:07	14°♉28'20	-1°25'33	
min. Earth dist.	-2592 Nov 25 j 06:04	14°♉30'50	8.04257 AU	
direct	-2591 Jan 31 j 22:47	10°♉58'27		
	-2591 Apr 11 j 20:55	15°♉		
evening set	-2591 May 18 j 01:50	19°♉14'22		
conjunction	-2591 Jun 05 j 06:05	21°♉34'21	-0°52'43	
minimum elong	-2591 Jun 05 j 06:07	21°♉34'21	0°52'39	
max. Earth dist.	-2591 Jun 05 j 21:59	21°♉39'29	10.09433 AU	
morning rise	-2591 Jun 23 j 07:45	23°♉53'28		
	-2591 Aug 19 j 04:14	0°♊		
retrograde	-2591 Oct 04 j 06:58	1°♊54'10		
	-2591 Nov 20 j 05:37	30°℞♉		
opposition	-2591 Dec 09 j 17:30	28°♉27'38	-0°45'36	
min. Earth dist.	-2591 Dec 09 j 06:11	28°♉29'57	8.15145 AU	
direct	-2590 Feb 15 j 13:46	24°♉58'10		
	-2590 May 06 j 14:35	0°♊		
evening set	-2590 Jun 01 j 20:57	3°♊07'07		
conjunction	-2590 Jun 19 j 23:00	5°♊24'32	-0°19'49	
minimum elong	-2590 Jun 19 j 23:01	5°♊24'32	0°19'44	
max. Earth dist.	-2590 Jun 20 j 13:22	5°♊29'07	10.21443 AU	
morning rise	-2590 Jul 07 j 21:30	7°♊40'47		
retrograde	-2590 Oct 17 j 17:29	15°♊29'10		
opposition	-2590 Dec 23 j 09:37	12°♊04'28	-0°04'11	
min. Earth dist.	-2590 Dec 22 j 23:39	12°♊06'29	8.27992 AU	
asc. node	-2589 Jan 30 j 21:46	9°♊22'17		
direct	-2589 Mar 01 j 22:33	8°♊35'43		
evening set	-2589 Jun 16 j 05:38	16°♊36'17		
conjunction	-2589 Jul 04 j 04:04	18°♊50'35	0°13'25	
minimum elong	-2589 Jul 04 j 04:03	18°♊50'35	0°13'30	
behind sun begin	-2589 Jul 04 j 00:07	18°♊49'22		
behind sun end	-2589 Jul 04 j 07:59	18°♊51'48		
max. Earth dist.	-2589 Jul 04 j 15:49	18°♊54'16	10.34992 AU	
morning rise	-2589 Jul 21 j 22:13	21°♊03'30		
retrograde	-2589 Oct 30 j 18:23	28°♊39'48		
opposition	-2588 Jan 05 j 17:55	25°♊16'54	0°36'06	
min. Earth dist.	-2588 Jan 05 j 09:14	25°♊18'38	8.42006 AU	
direct	-2588 Mar 14 j 23:16	21°♊49'05		
evening set	-2588 Jun 29 j 02:37	29°♊40'30		
	-2588 Jul 01 j 18:50	0°♋		
conjunction	-2588 Jul 16 j 20:26	1°♋51'25	0°44'58	
minimum elong	-2588 Jul 16 j 20:24	1°♋51'24	0°45'03	
max. Earth dist.	-2588 Jul 17 j 05:36	1°♋54'15	10.49271 AU	
morning rise	-2588 Aug 03 j 09:25	4°♋00'48		
retrograde	-2588 Nov 11 j 10:58	11°♋25'54		
opposition	-2587 Jan 17 j 18:44	8°♋04'40	1°13'14	
min. Earth dist.	-2587 Jan 17 j 11:35	8°♋06'05	8.56365 AU	
direct	-2587 Mar 28 j 14:52	4°♋37'57		
evening set	-2587 Jul 12 j 11:29	12°♋20'02		
conjunction	-2587 Jul 30 j 00:09	14°♋27'32	1°13'28	
minimum elong	-2587 Jul 30 j 00:06	14°♋27'31	1°13'32	
max. Earth dist.	-2587 Jul 30 j 06:48	14°♋29'34	10.63458 AU	
morning rise	-2587 Aug 16 j 07:34	16°♋33'27		
retrograde	-2587 Nov 23 j 18:32	23°♋48'44		
opposition	-2586 Jan 30 j 12:25	20°♋29'02	1°45'40	
min. Earth dist.	-2586 Jan 30 j 07:39	20°♋29'57	8.70262 AU	
direct	-2586 Apr 10 j 22:17	17°♋03'30		
evening set	-2586 Jul 25 j 09:09	24°♋36'42		
conjunction	-2586 Aug 11 j 16:24	26°♋40'57	1°37'49	
minimum elong	-2586 Aug 11 j 16:21	26°♋40'56	1°37'52	
max. Earth dist.	-2586 Aug 11 j 20:05	26°♋42'03	10.76806 AU	
morning rise	-2586 Aug 28 j 18:19	28°♋43'38		
	-2586 Sep 08 j 18:09	0°♌		
retrograde	-2586 Dec 05 j 20:15	5°♌50'45		
opposition	-2585 Feb 11 j 23:52	2°♌32'24	2°12'26	
min. Earth dist.	-2585 Feb 11 j 22:25	2°♌32'40	8.83039 AU	
	-2585 Mar 21 j 17:14	30°℞♋		
direct	-2585 Apr 23 j 20:23	29°♋08'06		
	-2585 May 26 j 17:27	0°♌		
evening set	-2585 Aug 06 j 20:25	6°♌33'08		
conjunction	-2585 Aug 23 j 22:19	8°♌34'28	1°57'19	
minimum elong	-2585 Aug 23 j 22:16	8°♌34'27	1°57'21	
max. Earth dist.	-2585 Aug 23 j 22:11	8°♌34'25	10.88779 AU	
morning rise	-2585 Sep 09 j 19:17	10°♌34'21		
	-2585 Oct 22 j 07:48	15°♌		
retrograde	-2585 Dec 17 j 15:04	17°♌34'56		
	-2584 Feb 14 j 19:49	15°℞♌		
opposition	-2584 Feb 24 j 06:18	14°♌17'39	2°32'52	
min. Earth dist.	-2584 Feb 24 j 07:46	14°♌17'23	8.94239 AU	
direct	-2584 May 05 j 10:53	10°♌54'35		
	-2584 Jul 19 j 08:48	15°♌		
evening set	-2584 Aug 17 j 22:09	18°♌12'15		
conjunction	-2584 Sep 03 j 19:13	20°♌11'04	2°11'31	
minimum elong	-2584 Sep 03 j 19:11	20°♌11'03	2°11'34	
max. Earth dist.	-2584 Sep 03 j 15:37	20°♌10'00	10.98993 AU	
morning rise	-2584 Sep 20 j 12:00	22°♌08'37		
retrograde	-2584 Dec 28 j 05:46	29°♌04'24		
opposition	-2583 Mar 07 j 08:29	25°♌47'50	2°46'41	
min. Earth dist.	-2583 Mar 07 j 11:55	25°♌47'11	9.03498 AU	
direct	-2583 May 17 j 20:59	22°♌25'52		
evening set	-2583 Aug 29 j 15:53	29°♌37'07		

Attention, astronomical year style is used: The year -2583 in astronomical counting style is the year 2584 BCE in historical counting style.

	-2583 Sep 01 j 23:21	0°♍	
conjunction	-2583 Sep 15 j 09:01	1°♍33'56	2°20'15
minimum elong	-2583 Sep 15 j 09:00	1°♍33'56	2°20'17
max. Earth dist.	-2583 Sep 15 j 03:17	1°♍32'15	11.07122 AU
morning rise	-2583 Oct 01 j 22:21	3°♍29'40	
retrograde	-2582 Jan 08 j 19:05	10°♍22'13	
opposition	-2582 Mar 19 j 07:18	7°♍06'02	2°53'48
min. Earth dist.	-2582 Mar 19 j 12:22	7°♍05'06	9.10510 AU
direct	-2582 May 29 j 23:11	3°♍45'06	
evening set	-2582 Sep 10 j 03:05	10°♍50'58	
conjunction	-2582 Sep 26 j 17:11	12°♍46'20	2°23'27
minimum elong	-2582 Sep 26 j 17:11	12°♍46'20	2°23'29
max. Earth dist.	-2582 Sep 26 j 09:51	12°♍44'12	11.12899 AU
morning rise	-2582 Oct 13 j 03:57	14°♍40'50	
retrograde	-2581 Jan 20 j 06:23	21°♍31'44	
opposition	-2581 Mar 31 j 04:21	18°♍15'39	2°54'16
min. Earth dist.	-2581 Mar 31 j 11:44	18°♍14'18	9.15054 AU
direct	-2581 Jun 10 j 20:15	14°♍55'34	
evening set	-2581 Sep 21 j 09:17	21°♍57'14	
conjunction	-2581 Oct 07 j 21:04	23°♍51'41	2°21'13
minimum elong	-2581 Oct 07 j 21:05	23°♍51'41	2°21'14
max. Earth dist.	-2581 Oct 07 j 11:16	23°♍48'50	11.16151 AU
morning rise	-2581 Oct 24 j 06:29	25°♍45'30	
	-2581 Dec 04 j 20:39	0°♎	
retrograde	-2580 Jan 31 j 17:37	2°♎36'25	
	-2580 Apr 01 j 21:14	30°℞♍	
opposition	-2580 Apr 11 j 00:31	29°♍20'08	2°48'16
min. Earth dist.	-2580 Apr 11 j 10:06	29°♍18'23	9.17004 AU
direct	-2580 Jun 21 j 14:31	26°♍00'42	
	-2580 Sep 03 j 13:53	0°♎	
evening set	-2580 Oct 01 j 12:15	2°♎59'27	
conjunction	-2580 Oct 17 j 22:44	4°♎53'33	2°13'44
minimum elong	-2580 Oct 17 j 22:46	4°♎53'34	2°13'43
max. Earth dist.	-2580 Oct 17 j 10:51	4°♎50'05	11.16797 AU
morning rise	-2580 Nov 03 j 07:53	6°♎47'18	
retrograde	-2579 Feb 11 j 05:25	13°♎39'48	
opposition	-2579 Apr 22 j 20:40	10°♎23'00	2°36'06
min. Earth dist.	-2579 Apr 23 j 07:22	10°♎21'03	9.16310 AU
direct	-2579 Jul 03 j 06:47	7°♎04'04	
evening set	-2579 Oct 12 j 13:38	14°♎01'17	
conjunction	-2579 Oct 28 j 23:56	15°♎55'36	2°01'17
minimum elong	-2579 Oct 28 j 23:59	15°♎55'37	2°01'15
max. Earth dist.	-2579 Oct 28 j 11:41	15°♎52'01	11.14816 AU
morning rise	-2579 Nov 14 j 09:35	17°♎49'48	
retrograde	-2578 Feb 22 j 23:02	24°♎45'34	
opposition	-2578 May 04 j 18:13	21°♎28'01	2°18'06
min. Earth dist.	-2578 May 05 j 05:02	21°♎26'02	9.12982 AU
direct	-2578 Jul 14 j 22:38	18°♎09'23	
evening set	-2578 Oct 23 j 15:25	25°♎06'30	
conjunction	-2578 Nov 09 j 02:18	27°♎01'34	1°44'12
minimum elong	-2578 Nov 09 j 02:20	27°♎01'34	1°44'09
max. Earth dist.	-2578 Nov 08 j 13:42	26°♎57'52	11.10256 AU
morning rise	-2578 Nov 25 j 13:16	28°♎56'46	
	-2578 Dec 04 j 20:49	0°♏	
retrograde	-2577 Mar 06 j 19:24	5°♏57'21	
opposition	-2577 May 16 j 18:28	2°♏38'51	1°54'44
min. Earth dist.	-2577 May 17 j 05:41	2°♏36'47	9.07132 AU
	-2577 Jun 27 j 12:54	30°℞♎	
direct	-2577 Jul 26 j 11:58	29°♎20'22	
	-2577 Aug 24 j 00:29	0°♏	
evening set	-2577 Nov 03 j 19:38	6°♏18'53	
conjunction	-2577 Nov 20 j 07:40	8°♏15'10	1°22'56
minimum elong	-2577 Nov 20 j 07:43	8°♏15'11	1°22'54
max. Earth dist.	-2577 Nov 19 j 18:01	8°♏11'08	11.03274 AU
morning rise	-2577 Dec 06 j 20:57	10°♏11'53	
	-2576 Jan 23 j 05:56	15°♏	
retrograde	-2576 Mar 17 j 21:41	17°♏18'54	
	-2576 May 14 j 00:37	15°℞♏	
opposition	-2576 May 27 j 22:27	13°♏59'15	1°26'34
min. Earth dist.	-2576 May 28 j 10:19	13°♏57'03	8.98962 AU
direct	-2576 Aug 06 j 05:23	10°♏40'39	
	-2576 Oct 20 j 18:23	15°♏	
evening set	-2576 Nov 14 j 03:55	17°♏42'10	
conjunction	-2576 Nov 30 j 17:53	19°♏40'08	0°58'05
minimum elong	-2576 Nov 30 j 17:55	19°♏40'08	0°58'03
max. Earth dist.	-2576 Nov 30 j 04:11	19°♏36'02	10.94099 AU
morning rise	-2576 Dec 17 j 10:05	21°♏38'49	
retrograde	-2575 Mar 30 j 07:34	28°♏53'47	
opposition	-2575 Jun 09 j 07:10	25°♏32'48	0°54'20
min. Earth dist.	-2575 Jun 09 j 18:37	25°♏30'39	8.88743 AU
direct	-2575 Aug 18 j 01:41	22°♏13'53	
evening set	-2575 Nov 25 j 18:22	29°♏19'58	
	-2575 Dec 01 j 09:04	0°♐	
conjunction	-2575 Dec 12 j 10:52	1°♐20'02	0°30'23
minimum elong	-2575 Dec 12 j 10:53	1°♐20'02	0°30'19
max. Earth dist.	-2575 Dec 11 j 22:36	1°♐16'20	10.83031 AU
morning rise	-2575 Dec 29 j 06:14	3°♐21'03	
retrograde	-2574 Apr 12 j 00:57	10°♐45'24	
opposition	-2574 Jun 21 j 21:35	7°♐22'55	0°18'59
min. Earth dist.	-2574 Jun 22 j 07:27	7°♐21'04	8.76845 AU
direct	-2574 Aug 30 j 02:38	4°♐03'30	
evening set	-2574 Dec 07 j 16:51	11°♐15'43	
conjunction	-2574 Dec 24 j 12:13	13°♐18'13	0°00'43
minimum elong	-2574 Dec 24 j 12:12	13°♐18'13	0°00'39
behind sun begin	-2574 Dec 24 j 05:11	13°♐16'05	
behind sun end	-2574 Dec 24 j 19:14	13°♐20'20	
max. Earth dist.	-2574 Dec 24 j 01:40	13°♐15'01	10.70495 AU
desc. node	-2573 Jan 02 j 04:55	14°♐21'59	
morning rise	-2573 Jan 10 j 11:06	15°♐21'53	
retrograde	-2573 Apr 25 j 05:25	22°♐56'48	
opposition	-2573 Jul 04 j 18:47	19°♐32'46	-0°18'15
min. Earth dist.	-2573 Jul 05 j 02:37	19°♐31'16	8.63753 AU
direct	-2573 Sep 11 j 09:08	16°♐12'37	
evening set	-2573 Dec 20 j 01:05	23°♐32'25	
conjunction	-2572 Jan 05 j 23:30	25°♐37'36	-0°29'46
minimum elong	-2572 Jan 05 j 23:29	25°♐37'35	0°29'51
max. Earth dist.	-2572 Jan 05 j 14:12	25°♐34'43	10.57018 AU
morning rise	-2572 Jan 23 j 02:16	27°♐44'11	
	-2572 Feb 11 j 09:38	0°♑	
retrograde	-2572 May 07 j 19:12	5°♑30'27	
opposition	-2572 Jul 16 j 23:15	2°♑04'52	-0°55'50
min. Earth dist.	-2572 Jul 17 j 05:29	2°♑03'39	8.50038 AU
	-2572 Aug 14 j 22:32	30°℞♐	
direct	-2572 Sep 22 j 21:33	28°♐43'47	
	-2572 Oct 30 j 21:43	0°♑	
evening set	-2572 Dec 31 j 20:40	6°♑12'29	
conjunction	-2571 Jan 17 j 22:20	8°♑20'30	-0°59'37
minimum elong	-2571 Jan 17 j 22:18	8°♑20'29	0°59'42
max. Earth dist.	-2571 Jan 17 j 14:55	8°♑18'10	10.43209 AU
morning rise	-2571 Feb 04 j 05:00	10°♑30'06	
retrograde	-2571 May 21 j 16:53	18°♑28'01	
opposition	-2571 Jul 30 j 11:05	15°♑00'57	-1°31'52
min. Earth dist.	-2571 Jul 30 j 15:33	15°♑00'04	8.36353 AU

Attention, astronomical year style is used: The year -2571 in astronomical counting style is the year 2572 BCE in historical counting style.

direct	-2571 Oct 05 j 19:33	11°♓38'45	
evening set	-2570 Jan 14 j 04:22	19°♓17'19	
conjunction	-2570 Jan 31 j 09:35	21°♓28'15	-1°27'15
minimum elong	-2570 Jan 31 j 09:32	21°♓28'14	1°27'19
max. Earth dist.	-2570 Jan 31 j 05:14	21°♓26'52	10.29749 AU
morning rise	-2570 Feb 17 j 20:00	23°♓40'50	
	-2570 Apr 19 j 01:37	0°♒	
retrograde	-2570 Jun 04 j 23:24	1°♒50'04	
	-2570 Jul 22 j 19:51	30°℞♓	
opposition	-2570 Aug 13 j 06:26	28°♓21'37	-2°04'13
min. Earth dist.	-2570 Aug 13 j 08:24	28°♓21'13	8.23400 AU
direct	-2570 Oct 19 j 03:21	24°♓58'13	
	-2569 Jan 05 j 00:43	0°♒	
evening set	-2569 Jan 28 j 00:35	2°♒46'58	
conjunction	-2569 Feb 14 j 09:33	5°♒00'47	-1°50'52
minimum elong	-2569 Feb 14 j 09:30	5°♒00'46	1°50'55
max. Earth dist.	-2569 Feb 14 j 09:09	5°♒00'39	10.17357 AU
morning rise	-2569 Mar 03 j 23:35	7°♒16'14	
	-2569 May 24 j 14:54	15°♒	
retrograde	-2569 Jun 19 j 14:54	15°♒35'33	
	-2569 Jul 15 j 18:28	15°℞♒	
opposition	-2569 Aug 27 j 08:31	12°♒05'55	-2°30'33
min. Earth dist.	-2569 Aug 27 j 07:30	12°♒06'07	8.11874 AU
direct	-2569 Nov 01 j 18:44	8°♒41'13	
	-2568 Jan 29 j 01:51	15°♒	
evening set	-2568 Feb 11 j 09:15	16°♒39'58	
conjunction	-2568 Feb 28 j 22:04	18°♒56'27	-2°08'40
minimum elong	-2568 Feb 28 j 22:02	18°♒56'26	2°08'42
max. Earth dist.	-2568 Feb 29 j 01:17	18°♒57'30	10.06711 AU
morning rise	-2568 Mar 17 j 15:34	21°♒14'30	
retrograde	-2568 Jul 03 j 12:27	29°♒41'43	
opposition	-2568 Sep 09 j 16:03	26°♒11'11	-2°48'36
min. Earth dist.	-2568 Sep 09 j 12:12	26°♒11'58	8.02391 AU
direct	-2568 Nov 14 j 18:22	22°♒45'10	
	-2567 Feb 18 j 06:49	0°♓	
evening set	-2567 Feb 25 j 04:51	0°♓53'01	
conjunction	-2567 Mar 14 j 21:32	3°♓11'52	-2°19'03
minimum elong	-2567 Mar 14 j 21:31	3°♓11'52	2°19'04
max. Earth dist.	-2567 Mar 15 j 03:35	3°♓13'52	9.98393 AU
morning rise	-2567 Apr 01 j 18:19	5°♓32'06	
retrograde	-2567 Jul 18 j 13:47	14°♓04'23	
opposition	-2567 Sep 24 j 03:54	10°♓33'21	-2°56'33
min. Earth dist.	-2567 Sep 23 j 21:55	10°♓34'36	7.95467 AU
direct	-2567 Nov 29 j 02:13	7°♓06'08	
evening set	-2566 Mar 12 j 09:07	15°♓21'28	
conjunction	-2566 Mar 30 j 05:36	17°♓42'15	-2°20'53
minimum elong	-2566 Mar 30 j 05:37	17°♓42'16	2°20'53
max. Earth dist.	-2566 Mar 30 j 14:13	17°♓45'06	9.92917 AU
morning rise	-2566 Apr 17 j 05:24	20°♓04'08	
retrograde	-2566 Aug 02 j 15:22	28°♓38'03	
opposition	-2566 Oct 08 j 18:09	25°♓06'59	-2°53'19
min. Earth dist.	-2566 Oct 08 j 10:27	25°♓08'35	7.91608 AU
direct	-2566 Dec 13 j 16:37	21°♓38'42	
evening set	-2565 Mar 27 j 19:36	29°♓59'11	
	-2565 Mar 27 j 22:06	0°♈	
conjunction	-2565 Apr 14 j 19:34	2°♈21'17	-2°13'42
minimum elong	-2565 Apr 14 j 19:36	2°♈21'18	2°13'42
max. Earth dist.	-2565 Apr 15 j 06:23	2°♈24'52	9.90767 AU
morning rise	-2565 May 02 j 21:50	4°♈44'04	
retrograde	-2565 Aug 17 j 14:24	13°♈15'44	
opposition	-2565 Oct 23 j 08:27	9°♈45'03	-2°38'48
min. Earth dist.	-2565 Oct 22 j 23:33	9°♈46'55	7.91205 AU
direct	-2565 Dec 28 j 11:28	6°♈15'55	
evening set	-2564 Apr 11 j 08:35	14°♈38'38	
conjunction	-2564 Apr 29 j 11:19	17°♈01'12	-1°57'55
minimum elong	-2564 Apr 29 j 11:23	17°♈01'13	1°57'53
max. Earth dist.	-2564 Apr 29 j 23:45	17°♈05'18	9.92198 AU
morning rise	-2564 May 17 j 15:07	19°♈24'02	
retrograde	-2564 Aug 31 j 08:21	27°♈49'42	
opposition	-2564 Nov 05 j 20:42	24°♈19'49	-2°14'05
min. Earth dist.	-2564 Nov 05 j 10:53	24°♈21'52	7.94364 AU
direct	-2563 Jan 11 j 08:27	20°♈50'08	
evening set	-2563 Apr 26 j 20:03	29°♈11'55	
	-2563 May 03 j 00:53	0°♉	
conjunction	-2563 May 15 j 00:25	1°♉34'02	-1°34'43
minimum elong	-2563 May 15 j 00:29	1°♉34'03	1°34'40
max. Earth dist.	-2563 May 15 j 14:02	1°♉38'30	9.97147 AU
morning rise	-2563 Jun 02 j 04:26	3°♉55'58	
retrograde	-2563 Sep 14 j 18:40	12°♉12'39	
opposition	-2563 Nov 20 j 04:39	8°♉43'54	-1°41'10
min. Earth dist.	-2563 Nov 19 j 17:57	8°♉46'07	8.00886 AU
direct	-2562 Jan 26 j 04:51	5°♉13'59	
evening set	-2562 May 12 j 02:44	13°♉31'59	
	-2562 May 23 j 12:48	15°♉	
conjunction	-2562 May 30 j 07:20	15°♉52'44	-1°05'57
minimum elong	-2562 May 30 j 07:24	15°♉52'45	1°05'54
max. Earth dist.	-2562 May 30 j 21:30	15°♉57'20	10.05268 AU
morning rise	-2562 Jun 17 j 10:09	18°♉12'51	
retrograde	-2562 Sep 28 j 19:39	26°♉18'27	
opposition	-2562 Dec 04 j 06:32	22°♉51'07	-1°02'45
min. Earth dist.	-2562 Dec 03 j 19:29	22°♉53'23	8.10319 AU
direct	-2561 Feb 09 j 21:53	19°♉21'19	
evening set	-2561 May 27 j 01:40	27°♉33'12	
conjunction	-2561 Jun 14 j 04:56	29°♉51'46	-0°33'51
minimum elong	-2561 Jun 14 j 04:58	29°♉51'46	0°33'47
max. Earth dist.	-2561 Jun 14 j 18:48	29°♉56'12	10.15984 AU
	-2561 Jun 15 j 06:38	0°♊	
morning rise	-2561 Jul 02 j 05:03	2°♊09'18	
retrograde	-2561 Oct 12 j 10:47	10°♊02'49	
opposition	-2561 Dec 18 j 01:29	6°♊37'04	-0°21'42
min. Earth dist.	-2561 Dec 17 j 14:48	6°♊39'14	8.22021 AU
direct	-2560 Feb 24 j 08:25	3°♊07'42	
evening set	-2560 Jun 09 j 14:37	11°♊11'47	
conjunction	-2560 Jun 27 j 14:56	13°♊27'30	-0°00'35
minimum elong	-2560 Jun 27 j 14:56	13°♊27'30	0°00'30
behind sun begin	-2560 Jun 27 j 07:39	13°♊25'14	
behind sun end	-2560 Jun 27 j 22:13	13°♊29'47	
max. Earth dist.	-2560 Jun 28 j 03:49	13°♊31'34	10.28582 AU
asc. node	-2560 Jul 04 j 02:07	14°♊16'33	
morning rise	-2560 Jul 15 j 11:00	15°♊41'53	
retrograde	-2560 Oct 24 j 16:57	23°♊23'15	
opposition	-2560 Dec 30 j 12:54	19°♊59'11	0°19'18
min. Earth dist.	-2560 Dec 30 j 03:37	20°♊01'02	8.35262 AU
direct	-2559 Mar 09 j 11:11	16°♊30'32	
evening set	-2559 Jun 23 j 16:18	24°♊25'49	
conjunction	-2559 Jul 11 j 12:23	26°♊38'17	0°31'52
minimum elong	-2559 Jul 11 j 12:21	26°♊38'16	0°31'56
max. Earth dist.	-2559 Jul 11 j 23:12	26°♊41'39	10.42310 AU
morning rise	-2559 Jul 29 j 03:35	28°♊49'14	
	-2559 Aug 07 j 23:28	0°♋	
retrograde	-2559 Nov 06 j 13:08	6°♋19'02	
opposition	-2558 Jan 12 j 16:33	2°♋56'38	0°57'57

Attention, astronomical year style is used: The year -2558 in astronomical counting style is the year 2559 BCE in historical counting style.

min. Earth dist.	-2558 Jan 12 j 09:31	2°♋58'02	8.49291 AU
	-2558 Feb 26 j 11:00	30°℞♊	
direct	-2558 Mar 23 j 05:51	29°♊28'55	
	-2558 Apr 17 j 02:05	0°♋	
evening set	-2558 Jul 07 j 06:10	7°♋15'02	
conjunction	-2558 Jul 24 j 21:09	9°♋24'05	1°01'47
minimum elong	-2558 Jul 24 j 21:06	9°♋24'04	1°01'51
max. Earth dist.	-2558 Jul 25 j 04:42	9°♋26'24	10.56422 AU
morning rise	-2558 Aug 11 j 07:03	11°♋31'33	
retrograde	-2558 Nov 18 j 22:27	18°♋50'56	
opposition	-2557 Jan 25 j 12:58	15°♋30'07	1°32'31
min. Earth dist.	-2557 Jan 25 j 08:03	15°♋31'05	8.63371 AU
direct	-2557 Apr 05 j 17:47	12°♋03'31	
evening set	-2557 Jul 20 j 08:23	19°♋40'35	
conjunction	-2557 Aug 06 j 17:53	21°♋46'14	1°27'59
minimum elong	-2557 Aug 06 j 17:49	21°♋46'13	1°28'02
max. Earth dist.	-2557 Aug 06 j 22:11	21°♋47'33	10.70222 AU
morning rise	-2557 Aug 23 j 22:20	23°♋50'22	
	-2557 Oct 27 j 22:09	0°♌	
retrograde	-2557 Dec 01 j 01:59	1°♌00'47	
	-2556 Jan 04 j 21:07	30°℞♋	
opposition	-2556 Feb 07 j 02:40	27°♋41'24	2°01'45
min. Earth dist.	-2556 Feb 06 j 23:22	27°♋42'02	8.76835 AU
direct	-2556 Apr 17 j 20:11	24°♋16'05	
	-2556 Jul 16 j 17:19	0°♌	
evening set	-2556 Jul 31 j 23:30	1°♌44'29	
conjunction	-2556 Aug 18 j 03:41	3°♌47'03	1°49'35
minimum elong	-2556 Aug 18 j 03:38	3°♌47'02	1°49'38
max. Earth dist.	-2556 Aug 18 j 05:35	3°♌47'37	10.83104 AU
morning rise	-2556 Sep 04 j 02:53	5°♌48'07	
retrograde	-2556 Dec 11 j 23:25	12°♌51'11	
opposition	-2555 Feb 18 j 10:38	9°♌33'01	2°24'55
min. Earth dist.	-2555 Feb 18 j 09:06	9°♌33'18	8.89113 AU
direct	-2555 Apr 30 j 13:23	6°♌09'03	
evening set	-2555 Aug 13 j 04:32	13°♌29'31	
	-2555 Aug 26 j 00:46	15°♌	
conjunction	-2555 Aug 30 j 03:49	15°♌29'21	2°06'04
minimum elong	-2555 Aug 30 j 03:47	15°♌29'20	2°06'07
max. Earth dist.	-2555 Aug 30 j 03:46	15°♌29'20	10.94543 AU
morning rise	-2555 Sep 15 j 22:18	17°♌27'50	
retrograde	-2555 Dec 23 j 16:18	24°♌25'10	
opposition	-2554 Mar 02 j 13:54	21°♌08'01	2°41'33
min. Earth dist.	-2554 Mar 02 j 15:04	21°♌07'48	8.99714 AU
direct	-2554 May 12 j 23:52	17°♌45'22	
evening set	-2554 Aug 25 j 01:07	24°♌58'53	
conjunction	-2554 Sep 10 j 19:57	26°♌56'26	2°17'08
minimum elong	-2554 Sep 10 j 19:55	26°♌56'26	2°17'10
max. Earth dist.	-2554 Sep 10 j 16:50	26°♌55'31	11.04103 AU
morning rise	-2554 Sep 27 j 10:35	28°♌52'49	
	-2554 Oct 07 j 08:02	0°♍	
retrograde	-2553 Jan 04 j 05:02	5°♍46'05	
opposition	-2553 Mar 14 j 13:30	2°♍29'41	2°51'29
min. Earth dist.	-2553 Mar 14 j 17:32	2°♍28'56	9.08250 AU
	-2553 Apr 21 j 13:28	30°℞♌	
direct	-2553 May 25 j 03:10	29°♌08'16	
	-2553 Jun 27 j 07:42	0°♍	
evening set	-2553 Sep 05 j 14:30	6°♍15'52	
conjunction	-2553 Sep 22 j 05:40	8°♍11'41	2°22'41
minimum elong	-2553 Sep 22 j 05:40	8°♍11'41	2°22'43
max. Earth dist.	-2553 Sep 21 j 23:23	8°♍09'51	11.11458 AU
morning rise	-2553 Oct 08 j 17:32	10°♍06'33	

retrograde	-2552 Jan 15 j 15:03	16°♍57'25	
opposition	-2552 Mar 25 j 10:41	13°♍41'26	2°54'45
min. Earth dist.	-2552 Mar 25 j 16:29	13°♍40'22	9.14430 AU
direct	-2552 Jun 05 j 03:00	10°♍21'08	
evening set	-2552 Sep 15 j 22:03	17°♍23'57	
conjunction	-2552 Oct 02 j 10:41	19°♍18'35	2°22'46
minimum elong	-2552 Oct 02 j 10:41	19°♍18'35	2°22'47
max. Earth dist.	-2552 Oct 02 j 02:50	19°♍16'18	11.16360 AU
morning rise	-2552 Oct 18 j 20:38	21°♍12'29	
retrograde	-2551 Jan 26 j 03:40	28°♍02'35	
opposition	-2551 Apr 06 j 06:25	24°♍46'43	2°51'29
min. Earth dist.	-2551 Apr 06 j 13:26	24°♍45'26	9.18037 AU
direct	-2551 Jun 16 j 22:56	21°♍27'23	
evening set	-2551 Sep 27 j 01:49	28°♍26'37	
	-2551 Oct 10 j 13:52	0°♎	
conjunction	-2551 Oct 13 j 12:52	0°♎20'39	2°17'31
minimum elong	-2551 Oct 13 j 12:54	0°♎20'39	2°17'30
max. Earth dist.	-2551 Oct 13 j 03:47	0°♎18'01	11.18636 AU
morning rise	-2551 Oct 29 j 21:51	2°♎14'10	
retrograde	-2550 Feb 06 j 14:52	9°♎05'03	
opposition	-2550 Apr 18 j 01:50	5°♎49'00	2°41'57
min. Earth dist.	-2550 Apr 18 j 10:33	5°♎47'24	9.18949 AU
direct	-2550 Jun 28 j 13:25	2°♎30'25	
evening set	-2550 Oct 08 j 03:30	9°♎27'26	
conjunction	-2550 Oct 24 j 13:43	11°♎21'23	2°07'11
minimum elong	-2550 Oct 24 j 13:45	11°♎21'23	2°07'10
max. Earth dist.	-2550 Oct 24 j 02:29	11°♎18'07	11.18212 AU
morning rise	-2550 Nov 09 j 22:52	13°♎15'05	
retrograde	-2549 Feb 18 j 05:13	20°♎08'23	
opposition	-2549 Apr 29 j 22:25	16°♎51'50	2°26'27
min. Earth dist.	-2549 Apr 30 j 09:10	16°♎49'52	9.17135 AU
direct	-2549 Jul 10 j 04:38	13°♎33'44	
evening set	-2549 Oct 19 j 04:35	20°♎29'54	
conjunction	-2549 Nov 04 j 14:51	22°♎24'18	1°52'06
minimum elong	-2549 Nov 04 j 14:54	22°♎24'19	1°52'04
max. Earth dist.	-2549 Nov 04 j 01:56	22°♎20'31	11.15083 AU
morning rise	-2549 Nov 21 j 01:10	24°♎18'45	
	-2548 Jan 20 j 22:47	0°♏	
retrograde	-2548 Feb 29 j 22:23	1°♏16'05	
	-2548 Apr 11 j 01:44	30°℞♎	
opposition	-2548 May 10 j 20:59	27°♎58'42	2°05'24
min. Earth dist.	-2548 May 11 j 08:38	27°♎56'34	9.12613 AU
direct	-2548 Jul 20 j 19:05	24°♎40'49	
	-2548 Oct 14 j 18:14	0°♏	
evening set	-2548 Oct 29 j 07:06	1°♏37'38	
conjunction	-2548 Nov 14 j 18:27	3°♏33'02	1°32'39
minimum elong	-2548 Nov 14 j 18:29	3°♏33'03	1°32'37
max. Earth dist.	-2548 Nov 14 j 05:12	3°♏29'08	11.09283 AU
morning rise	-2548 Dec 01 j 06:32	5°♏28'44	
retrograde	-2547 Mar 12 j 22:09	12°♏31'43	
opposition	-2547 May 22 j 22:25	9°♏13'14	1°39'20
min. Earth dist.	-2547 May 23 j 10:09	9°♏11'05	9.05457 AU
direct	-2547 Aug 01 j 11:46	5°♏55'20	
evening set	-2547 Nov 09 j 12:57	12°♏54'24	
conjunction	-2547 Nov 26 j 02:01	14°♏51'18	1°09'22
minimum elong	-2547 Nov 26 j 02:03	14°♏51'19	1°09'20
max. Earth dist.	-2547 Nov 25 j 12:34	14°♏47'19	11.00932 AU
	-2547 Nov 27 j 07:19	15°♏	
morning rise	-2547 Dec 12 j 16:33	16°♏48'45	
retrograde	-2546 Mar 25 j 05:14	23°♏59'02	
opposition	-2546 Jun 04 j 04:24	20°♏39'15	1°08'54

Attention, astronomical year style is used: The year -2546 in astronomical counting style is the year 2547 BCE in historical counting style.

min. Earth dist.	-2546 Jun 04 j 16:03	20°♏37'06	8.95872 AU
direct	-2546 Aug 13 j 05:02	17°♏21'04	
evening set	-2546 Nov 21 j 00:03	24°♏24'03	
conjunction	-2546 Dec 07 j 15:12	26°♏22'53	0°42'53
minimum elong	-2546 Dec 07 j 15:14	26°♏22'53	0°42'50
max. Earth dist.	-2546 Dec 07 j 01:02	26°♏18'38	10.90329 AU
morning rise	-2546 Dec 24 j 08:55	28°♏22'33	
	-2545 Jan 07 j 13:19	0°♐	
retrograde	-2545 Apr 06 j 18:17	5°♐41'39	
opposition	-2545 Jun 16 j 15:56	2°♐20'22	0°34'55
min. Earth dist.	-2545 Jun 17 j 03:37	2°♐18'11	8.84260 AU
	-2545 Jul 21 j 08:07	30°℞♏	
direct	-2545 Aug 25 j 02:22	29°♏01'37	
	-2545 Sep 28 j 02:32	0°♐	
evening set	-2545 Dec 02 j 18:23	6°♐10'09	
conjunction	-2545 Dec 19 j 12:10	8°♐11'17	0°14'03
minimum elong	-2545 Dec 19 j 12:11	8°♐11'17	0°14'00
behind sun begin	-2545 Dec 19 j 08:30	8°♐10'11	
behind sun end	-2545 Dec 19 j 15:51	8°♐12'23	
max. Earth dist.	-2545 Dec 18 j 22:25	8°♐07'07	10.77932 AU
morning rise	-2544 Jan 05 j 09:28	10°♐13'31	
retrograde	-2544 Apr 18 j 16:32	17°♐42'46	
desc. node	-2544 Jun 12 j 18:08	15°♐29'27	
opposition	-2544 Jun 28 j 09:36	14°♐19'48	-0°01'32
min. Earth dist.	-2544 Jun 28 j 20:32	14°♐17'43	8.71129 AU
direct	-2544 Sep 05 j 06:53	11°♐00'11	
evening set	-2544 Dec 13 j 21:33	18°♐15'47	
conjunction	-2544 Dec 30 j 18:28	20°♐19'34	-0°16'11
minimum elong	-2544 Dec 30 j 18:27	20°♐19'33	0°16'16
max. Earth dist.	-2544 Dec 30 j 06:47	20°♐15'58	10.64264 AU
morning rise	-2543 Jan 16 j 19:27	22°♐24'39	
	-2543 Apr 21 j 23:24	0°♑	
retrograde	-2543 May 02 j 00:22	0°♑05'04	
	-2543 May 12 j 02:09	30°℞♐	
opposition	-2543 Jul 11 j 10:12	26°♐40'18	-0°39'05
min. Earth dist.	-2543 Jul 11 j 19:09	26°♐38'35	8.57046 AU
direct	-2543 Sep 17 j 17:02	23°♐19'39	
	-2543 Dec 20 j 10:53	0°♑	
evening set	-2543 Dec 26 j 11:15	0°♑43'43	
conjunction	-2542 Jan 12 j 11:28	2°♑50'20	-0°46'25
minimum elong	-2542 Jan 12 j 11:26	2°♑50'19	0°46'30
max. Earth dist.	-2542 Jan 12 j 02:29	2°♑47'31	10.49922 AU
morning rise	-2542 Jan 29 j 16:09	4°♑58'25	
retrograde	-2542 May 15 j 17:56	12°♑50'39	
opposition	-2542 Jul 24 j 18:15	9°♑24'06	-1°16'00
min. Earth dist.	-2542 Jul 25 j 00:21	9°♑22'54	8.42653 AU
direct	-2542 Sep 30 j 10:49	6°♑02'14	
evening set	-2541 Jan 08 j 12:51	13°♑35'54	
conjunction	-2541 Jan 25 j 16:28	15°♑45'29	-1°15'12
minimum elong	-2541 Jan 25 j 16:25	15°♑45'28	1°15'17
max. Earth dist.	-2541 Jan 25 j 09:56	15°♑43'25	10.35598 AU
morning rise	-2541 Feb 12 j 00:59	17°♑56'40	
retrograde	-2541 May 29 j 21:45	26°♑00'42	
opposition	-2541 Aug 07 j 09:52	22°♑32'30	-1°50'16
min. Earth dist.	-2541 Aug 07 j 13:24	22°♑31'48	8.28664 AU
direct	-2541 Oct 13 j 12:20	19°♑09'17	
evening set	-2540 Jan 22 j 03:05	26°♑53'19	
conjunction	-2540 Feb 08 j 10:15	29°♑05'52	-1°40'50
minimum elong	-2540 Feb 08 j 10:12	29°♑05'51	1°40'54
max. Earth dist.	-2540 Feb 08 j 06:17	29°♑04'35	10.22026 AU
	-2540 Feb 15 j 10:48	0°♒	
morning rise	-2540 Feb 25 j 22:39	1°♒20'07	
retrograde	-2540 Jun 12 j 10:10	9°♒35'09	
opposition	-2540 Aug 20 j 08:48	6°♒05'32	-2°19'37
min. Earth dist.	-2540 Aug 20 j 09:58	6°♒05'18	8.15813 AU
direct	-2540 Oct 25 j 22:55	2°♒40'53	
evening set	-2539 Feb 04 j 05:59	10°♒35'28	
conjunction	-2539 Feb 21 j 16:53	12°♒50'52	-2°01'28
minimum elong	-2539 Feb 21 j 16:50	12°♒50'51	2°01'31
max. Earth dist.	-2539 Feb 21 j 16:01	12°♒50'35	10.09951 AU
	-2539 Mar 10 j 08:05	15°♒	
morning rise	-2539 Mar 11 j 08:56	15°♒07'56	
retrograde	-2539 Jun 27 j 04:35	23°♒32'20	
opposition	-2539 Sep 03 j 14:05	20°♒01'36	-2°41'42
min. Earth dist.	-2539 Sep 03 j 12:54	20°♒01'51	8.04835 AU
direct	-2539 Nov 08 j 19:44	16°♒35'34	
evening set	-2538 Feb 18 j 20:41	24°♒40'04	
conjunction	-2538 Mar 08 j 11:31	26°♒58'05	-2°15'24
minimum elong	-2538 Mar 08 j 11:29	26°♒58'05	2°15'26
max. Earth dist.	-2538 Mar 08 j 14:35	26°♒59'06	10.00109 AU
morning rise	-2538 Mar 26 j 07:02	29°♒17'37	
	-2538 Mar 31 j 19:43	0°♓	
retrograde	-2538 Jul 12 j 03:41	7°♓48'47	
opposition	-2538 Sep 18 j 00:32	4°♓17'19	-2°54'26
min. Earth dist.	-2538 Sep 17 j 20:35	4°♓18'08	7.96416 AU
direct	-2538 Nov 23 j 01:21	0°♓49'59	
evening set	-2537 Mar 05 j 21:27	9°♓02'57	
conjunction	-2537 Mar 23 j 16:18	11°♓23'11	-2°21'13
minimum elong	-2537 Mar 23 j 16:18	11°♓23'11	2°21'13
max. Earth dist.	-2537 Mar 23 j 23:24	11°♓25'32	9.93145 AU
morning rise	-2537 Apr 10 j 15:00	13°♓44'39	
retrograde	-2537 Jul 27 j 04:46	22°♓19'10	
opposition	-2537 Oct 02 j 14:14	18°♓47'25	-2°56'20
min. Earth dist.	-2537 Oct 02 j 07:27	18°♓48'50	7.91108 AU
direct	-2537 Dec 07 j 13:22	15°♓18'59	
evening set	-2536 Mar 20 j 05:50	23°♓38'13	
conjunction	-2536 Apr 07 j 04:27	26°♓00'04	-2°18'06
minimum elong	-2536 Apr 07 j 04:29	26°♓00'04	2°18'06
max. Earth dist.	-2536 Apr 07 j 15:07	26°♓03'36	9.89538 AU
morning rise	-2536 Apr 25 j 05:47	28°♓22'46	
	-2536 May 07 j 23:05	0°♈	
retrograde	-2536 Aug 10 j 05:34	6°♈56'43	
opposition	-2536 Oct 16 j 04:58	3°♈25'12	-2°46'50
min. Earth dist.	-2536 Oct 15 j 19:43	3°♈27'08	7.89285 AU
	-2536 Dec 12 j 19:05	30°℞♓	
direct	-2536 Dec 21 j 05:53	29°♓55'53	
	-2536 Dec 29 j 16:59	0°♈	
evening set	-2535 Apr 04 j 18:16	8°♈18'36	
conjunction	-2535 Apr 22 j 20:04	10°♈41'17	-2°06'04
minimum elong	-2535 Apr 22 j 20:08	10°♈41'18	2°06'03
max. Earth dist.	-2535 Apr 23 j 09:40	10°♈45'48	9.89564 AU
morning rise	-2535 May 10 j 23:16	13°♈04'25	
retrograde	-2535 Aug 25 j 03:29	21°♈33'57	
opposition	-2535 Oct 30 j 18:41	18°♈03'07	-2°26'27
min. Earth dist.	-2535 Oct 30 j 07:35	18°♈05'26	7.91102 AU
direct	-2534 Jan 05 j 01:43	14°♈33'15	
evening set	-2534 Apr 20 j 06:58	22°♈56'20	
conjunction	-2534 May 08 j 11:00	25°♈18'59	-1°45'59
minimum elong	-2534 May 08 j 11:04	25°♈19'01	1°45'56
max. Earth dist.	-2534 May 09 j 02:30	25°♈24'06	9.93239 AU
morning rise	-2534 May 26 j 15:02	27°♈41'38	
	-2534 Jun 14 j 01:55	0°♉	

Attention, astronomical year style is used: The year -2534 in astronomical counting style is the year 2535 BCE in historical counting style.

retrograde	-2534 Sep 08 j 18:49	6°♉03'22	
opposition	-2534 Nov 14 j 05:06	2°♉33'40	-1°56'51
min. Earth dist.	-2534 Nov 13 j 17:19	2°♉36'08	7.96447 AU
	-2534 Dec 18 j 19:14	30°℞♈	
direct	-2533 Jan 19 j 22:18	29°♈03'35	
	-2533 Feb 21 j 00:18	0°♉	
evening set	-2533 May 05 j 16:43	7°♉24'08	
conjunction	-2533 May 23 j 21:34	9°♉45'47	-1°19'24
minimum elong	-2533 May 23 j 21:37	9°♉45'48	1°19'21
max. Earth dist.	-2533 May 24 j 13:28	9°♉50'58	10.00303 AU
morning rise	-2533 Jun 11 j 01:05	12°♉06'59	
	-2533 Jul 04 j 14:44	15°♉	
retrograde	-2533 Sep 23 j 01:17	20°♉18'22	
opposition	-2533 Nov 28 j 10:18	16°♉50'12	-1°20'28
min. Earth dist.	-2533 Nov 27 j 22:44	16°♉52'36	8.04964 AU
	-2533 Dec 21 j 20:26	15°℞♉	
direct	-2532 Feb 03 j 17:11	13°♉20'15	
	-2532 Mar 18 j 05:35	15°♉	
evening set	-2532 May 19 j 20:04	21°♉35'41	
conjunction	-2532 Jun 07 j 00:07	23°♉55'27	-0°48'27
minimum elong	-2532 Jun 07 j 00:09	23°♉55'27	0°48'23
max. Earth dist.	-2532 Jun 07 j 15:18	24°♉00'20	10.10275 AU
morning rise	-2532 Jun 25 j 01:39	26°♉14'22	
	-2532 Jul 26 j 21:48	0°♊	
retrograde	-2532 Oct 05 j 21:05	4°♊13'55	
opposition	-2532 Dec 11 j 09:06	0°♊47'31	-0°40'08
min. Earth dist.	-2532 Dec 10 j 22:06	0°♊49'46	8.16096 AU
	-2532 Dec 21 j 03:18	30°℞♉	
direct	-2531 Feb 17 j 07:32	27°♉18'02	
	-2531 Apr 15 j 03:50	0°♊	
evening set	-2531 Jun 03 j 14:12	5°♊26'17	
conjunction	-2531 Jun 21 j 15:54	7°♊43'26	-0°15'23
minimum elong	-2531 Jun 21 j 15:55	7°♊43'26	0°15'19
behind sun begin	-2531 Jun 21 j 14:04	7°♊42'51	
behind sun end	-2531 Jun 21 j 17:46	7°♊44'01	
max. Earth dist.	-2531 Jun 22 j 05:39	7°♊47'48	10.22501 AU
morning rise	-2531 Jul 09 j 14:06	9°♊59'24	
retrograde	-2531 Oct 19 j 07:26	17°♊46'40	
asc. node	-2531 Dec 13 j 05:41	15°♊18'25	
opposition	-2531 Dec 25 j 00:29	14°♊22'04	0°01'17
min. Earth dist.	-2531 Dec 24 j 14:14	14°♊24'08	8.29136 AU
direct	-2530 Mar 03 j 15:03	10°♊53'21	
evening set	-2530 Jun 17 j 21:46	18°♊53'06	
conjunction	-2530 Jul 05 j 19:50	21°♊07'06	0°17'45
minimum elong	-2530 Jul 05 j 19:49	21°♊07'06	0°17'49
max. Earth dist.	-2530 Jul 06 j 07:37	21°♊10'48	10.36219 AU
morning rise	-2530 Jul 23 j 13:32	23°♊19'42	
	-2530 Sep 30 j 11:24	0°♋	
retrograde	-2530 Nov 01 j 07:57	0°♋54'55	
	-2530 Dec 03 j 14:09	30°℞♊	
opposition	-2529 Jan 07 j 08:00	27°♊32'08	0°41'17
min. Earth dist.	-2529 Jan 06 j 22:41	27°♊33'59	8.43297 AU
direct	-2529 Mar 17 j 14:45	24°♊04'24	
	-2529 Jun 15 j 11:09	0°♋	
evening set	-2529 Jul 01 j 17:42	1°♋54'56	
conjunction	-2529 Jul 19 j 11:06	4°♋05'31	0°48'59
minimum elong	-2529 Jul 19 j 11:04	4°♋05'31	0°49'03
max. Earth dist.	-2529 Jul 19 j 21:00	4°♋08'35	10.50625 AU
morning rise	-2529 Aug 05 j 23:27	6°♋14'34	
retrograde	-2529 Nov 13 j 23:12	13°♋38'39	
opposition	-2528 Jan 20 j 08:08	10°♋17'35	1°17'52
min. Earth dist.	-2528 Jan 20 j 00:46	10°♋19'01	8.57776 AU
direct	-2528 Mar 30 j 05:59	6°♋50'59	
evening set	-2528 Jul 14 j 01:33	14°♋32'08	
conjunction	-2528 Jul 31 j 13:39	16°♋39'16	1°16'58
minimum elong	-2528 Jul 31 j 13:36	16°♋39'15	1°17'02
max. Earth dist.	-2528 Jul 31 j 21:00	16°♋41'30	10.64925 AU
morning rise	-2528 Aug 17 j 20:24	18°♋44'49	
retrograde	-2528 Nov 25 j 07:09	25°♋59'07	
opposition	-2527 Feb 01 j 01:14	22°♋39'35	1°49'35
min. Earth dist.	-2527 Jan 31 j 20:48	22°♋40'27	8.71791 AU
direct	-2527 Apr 12 j 11:24	19°♋14'11	
evening set	-2527 Jul 26 j 22:02	26°♋46'21	
conjunction	-2527 Aug 13 j 04:36	28°♋50'14	1°40'41
minimum elong	-2527 Aug 13 j 04:33	28°♋50'13	1°40'44
max. Earth dist.	-2527 Aug 13 j 08:08	28°♋51'17	10.78373 AU
	-2527 Aug 22 j 20:57	0°♌	
morning rise	-2527 Aug 30 j 05:59	0°♌52'34	
retrograde	-2527 Dec 07 j 06:19	7°♌58'42	
opposition	-2526 Feb 13 j 11:54	4°♌40'29	2°15'29
min. Earth dist.	-2526 Feb 13 j 10:46	4°♌40'42	8.84640 AU
direct	-2526 Apr 25 j 09:08	1°♌16'20	
evening set	-2526 Aug 08 j 08:02	8°♌40'19	
conjunction	-2526 Aug 25 j 09:18	10°♌41'17	1°59'28
minimum elong	-2526 Aug 25 j 09:15	10°♌41'16	1°59'30
max. Earth dist.	-2526 Aug 25 j 08:35	10°♌41'04	10.90367 AU
morning rise	-2526 Sep 11 j 05:53	12°♌40'51	
	-2526 Oct 01 j 23:43	15°♌	
retrograde	-2526 Dec 19 j 00:15	19°♌40'35	
opposition	-2525 Feb 25 j 17:30	16°♌23'25	2°35'01
min. Earth dist.	-2525 Feb 25 j 18:40	16°♌23'12	8.95802 AU
	-2525 Mar 16 j 18:38	15°℞♌	
direct	-2525 May 08 j 00:32	13°♌00'30	
	-2525 Jun 27 j 21:23	15°♌	
evening set	-2525 Aug 20 j 08:38	20°♌17'11	
conjunction	-2525 Sep 06 j 05:16	22°♌15'41	2°12'55
minimum elong	-2525 Sep 06 j 05:14	22°♌15'41	2°12'58
max. Earth dist.	-2525 Sep 06 j 01:55	22°♌14'42	11.00494 AU
morning rise	-2525 Sep 22 j 21:36	24°♌12'57	
	-2525 Nov 23 j 18:13	0°♍	
retrograde	-2525 Dec 30 j 16:00	1°♍08'01	
	-2524 Feb 06 j 10:52	30°℞♌	
opposition	-2524 Mar 08 j 19:02	27°♌51'34	2°47'53
min. Earth dist.	-2524 Mar 08 j 22:03	27°♌51'00	9.04925 AU
direct	-2524 May 19 j 07:49	24°♌29'50	
	-2524 Aug 16 j 02:31	0°♍	
evening set	-2524 Aug 31 j 01:22	1°♍40'08	
conjunction	-2524 Sep 16 j 18:12	3°♍36'43	2°20'53
minimum elong	-2524 Sep 16 j 18:11	3°♍36'43	2°20'55
max. Earth dist.	-2524 Sep 16 j 12:57	3°♍35'10	11.08457 AU
morning rise	-2524 Oct 03 j 07:07	5°♍32'13	
retrograde	-2523 Jan 10 j 04:07	12°♍24'12	
opposition	-2523 Mar 20 j 17:30	9°♍08'10	2°54'04
min. Earth dist.	-2523 Mar 20 j 22:53	9°♍07'10	9.11745 AU
direct	-2523 May 31 j 09:02	5°♍47'25	
evening set	-2523 Sep 11 j 11:44	12°♍52'29	
conjunction	-2523 Sep 28 j 01:31	14°♍47'40	2°23'19
minimum elong	-2523 Sep 28 j 01:31	14°♍47'40	2°23'21
max. Earth dist.	-2523 Sep 27 j 17:39	14°♍45'22	11.14019 AU
morning rise	-2523 Oct 14 j 12:09	16°♍41'59	
retrograde	-2522 Jan 21 j 15:25	23°♍32'30	
opposition	-2522 Apr 01 j 14:05	20°♍16'33	2°53'38
min. Earth dist.	-2522 Apr 01 j 22:14	20°♍15'03	9.16054 AU

Attention, astronomical year style is used: The year -2522 in astronomical counting style is the year 2523 BCE in historical counting style.

direct	-2522 Jun 12 j 06:04	16°♍56'38	
evening set	-2522 Sep 22 j 17:20	23°♍57'39	
conjunction	-2522 Oct 09 j 04:54	25°♍51'58	2°20'22
minimum elong	-2522 Oct 09 j 04:55	25°♍51'58	2°20'22
max. Earth dist.	-2522 Oct 08 j 18:18	25°♍48'53	11.17018 AU
morning rise	-2522 Oct 25 j 14:21	27°♍45'42	
	-2522 Nov 15 j 01:27	0°♎	
retrograde	-2521 Feb 02 j 00:53	4°♎36'22	
opposition	-2521 Apr 13 j 09:49	1°♎20'09	2°46'48
min. Earth dist.	-2521 Apr 13 j 19:33	1°♎18'22	9.17726 AU
	-2521 May 02 j 04:36	30°℞♍	
direct	-2521 Jun 23 j 23:30	28°♍00'53	
	-2521 Aug 13 j 21:39	0°♎	
evening set	-2521 Oct 03 j 19:45	4°♎59'08	
conjunction	-2521 Oct 20 j 06:16	6°♎53'10	2°12'13
minimum elong	-2521 Oct 20 j 06:18	6°♎53'11	2°12'12
max. Earth dist.	-2521 Oct 19 j 18:36	6°♎49'46	11.17374 AU
morning rise	-2521 Nov 05 j 15:24	8°♎46'52	
retrograde	-2520 Feb 13 j 15:03	15°♎39'19	
opposition	-2520 Apr 24 j 05:51	12°♎22'34	2°33'51
min. Earth dist.	-2520 Apr 24 j 16:06	12°♎20'41	9.16724 AU
direct	-2520 Jul 04 j 16:39	9°♎03'46	
evening set	-2520 Oct 13 j 20:48	16°♎00'35	
conjunction	-2520 Oct 30 j 07:13	17°♎54'54	1°59'08
minimum elong	-2520 Oct 30 j 07:15	17°♎54'55	1°59'06
max. Earth dist.	-2520 Oct 29 j 19:10	17°♎51'23	11.15078 AU
morning rise	-2520 Nov 15 j 16:54	19°♎49'07	
retrograde	-2519 Feb 24 j 07:40	26°♎44'57	
opposition	-2519 May 06 j 03:23	23°♎27'24	2°15'09
min. Earth dist.	-2519 May 06 j 14:25	23°♎25'23	9.13079 AU
direct	-2519 Jul 16 j 05:50	20°♎08'54	
evening set	-2519 Oct 24 j 22:37	27°♎05'46	
conjunction	-2519 Nov 10 j 09:31	29°♎00'52	1°41'31
minimum elong	-2519 Nov 10 j 09:34	29°♎00'52	1°41'28
max. Earth dist.	-2519 Nov 09 j 20:02	28°♎56'54	11.10202 AU
	-2519 Nov 18 j 19:14	0°♏	
morning rise	-2519 Nov 26 j 20:47	0°♏56'08	
retrograde	-2518 Mar 08 j 04:02	7°♏56'58	
opposition	-2518 May 18 j 03:34	4°♏38'25	1°51'10
min. Earth dist.	-2518 May 18 j 15:40	4°♏36'12	9.06913 AU
direct	-2518 Jul 27 j 20:42	1°♏19'57	
evening set	-2518 Nov 05 j 02:53	8°♏18'27	
conjunction	-2518 Nov 21 j 15:03	10°♏14'49	1°19'48
minimum elong	-2518 Nov 21 j 15:06	10°♏14'50	1°19'46
max. Earth dist.	-2518 Nov 21 j 00:45	10°♏10'36	11.02911 AU
morning rise	-2518 Dec 08 j 04:40	12°♏11'39	
	-2517 Jan 02 j 18:19	15°♏	
retrograde	-2517 Mar 20 j 06:37	19°♏19'05	
opposition	-2517 May 30 j 07:43	15°♏59'20	1°22'30
min. Earth dist.	-2517 May 30 j 20:00	15°♏57'04	8.98437 AU
	-2517 Jun 12 j 20:54	15°℞♏	
direct	-2517 Aug 08 j 13:59	12°♏40'43	
	-2517 Oct 01 j 13:00	15°♏	
evening set	-2517 Nov 16 j 11:21	19°♏42'22	
conjunction	-2517 Dec 03 j 01:37	21°♏40'28	0°54'36
minimum elong	-2517 Dec 03 j 01:39	21°♏40'28	0°54'33
max. Earth dist.	-2517 Dec 02 j 12:19	21°♏36'29	10.93433 AU
morning rise	-2517 Dec 19 j 18:03	23°♏39'18	
	-2516 Feb 26 j 23:25	0°♐	
retrograde	-2516 Mar 31 j 16:28	0°♐54'53	
	-2516 May 05 j 01:13	30°℞♏	

opposition	-2516 Jun 10 j 16:42	27°♏33'44	0°49'54
min. Earth dist.	-2516 Jun 11 j 03:47	27°♏31'40	8.87929 AU
direct	-2516 Aug 19 j 10:33	24°♏14'46	
	-2516 Nov 15 j 09:57	0°♐	
evening set	-2516 Nov 27 j 02:21	1°♐21'11	
conjunction	-2516 Dec 13 j 19:10	3°♐21'26	0°26'39
minimum elong	-2516 Dec 13 j 19:11	3°♐21'27	0°26'36
max. Earth dist.	-2516 Dec 13 j 07:00	3°♐17'46	10.82086 AU
morning rise	-2516 Dec 30 j 14:48	5°♐22'39	
retrograde	-2515 Apr 13 j 12:46	12°♐47'45	
opposition	-2515 Jun 23 j 07:27	9°♐25'06	0°14'20
min. Earth dist.	-2515 Jun 23 j 17:08	9°♐23'17	8.75771 AU
direct	-2515 Aug 31 j 11:39	6°♐05'34	
desc. node	-2515 Nov 16 j 21:34	10°♐46'06	
evening set	-2515 Dec 09 j 01:37	13°♐18'20	
conjunction	-2515 Dec 25 j 21:10	15°♐21'03	-0°03'11
minimum elong	-2515 Dec 25 j 21:11	15°♐21'03	0°03'16
behind sun begin	-2515 Dec 25 j 14:10	15°♐18'56	
behind sun end	-2515 Dec 26 j 04:11	15°♐23'10	
max. Earth dist.	-2515 Dec 25 j 09:47	15°♐17'34	10.69307 AU
morning rise	-2514 Jan 11 j 20:28	17°♐24'58	
retrograde	-2514 Apr 26 j 16:57	25°♐00'46	
opposition	-2514 Jul 06 j 05:14	21°♐36'34	-0°22'57
min. Earth dist.	-2514 Jul 06 j 13:35	21°♐34'58	8.62457 AU
direct	-2514 Sep 12 j 17:00	18°♐16'15	
evening set	-2514 Dec 21 j 10:40	25°♐36'50	
conjunction	-2513 Jan 07 j 09:17	27°♐42'15	-0°33'32
minimum elong	-2513 Jan 07 j 09:16	27°♐42'14	0°33'36
max. Earth dist.	-2513 Jan 06 j 23:13	27°♐39'07	10.55636 AU
morning rise	-2513 Jan 24 j 12:28	29°♐49'06	
	-2513 Jan 26 j 00:21	0°♑	
retrograde	-2513 May 10 j 05:49	7°♑36'26	
opposition	-2513 Jul 19 j 10:25	4°♑10'39	-1°00'23
min. Earth dist.	-2513 Jul 19 j 17:21	4°♑09'18	8.48580 AU
direct	-2513 Sep 25 j 08:03	0°♑49'22	
evening set	-2512 Jan 03 j 07:14	8°♑19'02	
conjunction	-2512 Jan 20 j 09:15	10°♑27'21	-1°03'09
minimum elong	-2512 Jan 20 j 09:13	10°♑27'20	1°03'13
max. Earth dist.	-2512 Jan 20 j 02:02	10°♑25'05	10.41693 AU
morning rise	-2512 Feb 06 j 16:15	12°♑37'15	
retrograde	-2512 May 23 j 04:48	20°♑36'21	
opposition	-2512 Jul 31 j 22:58	17°♑09'04	-1°36'02
min. Earth dist.	-2512 Aug 01 j 03:33	17°♑08'10	8.34803 AU
direct	-2512 Oct 07 j 07:24	13°♑46'40	
evening set	-2511 Jan 15 j 16:11	21°♑26'20	
conjunction	-2511 Feb 01 j 21:50	23°♑37'36	-1°30'20
minimum elong	-2511 Feb 01 j 21:46	23°♑37'35	1°30'24
max. Earth dist.	-2511 Feb 01 j 18:11	23°♑36'26	10.28174 AU
morning rise	-2511 Feb 19 j 08:30	25°♑50'31	
	-2511 Mar 27 j 07:16	0°♒	
retrograde	-2511 Jun 06 j 13:58	4°♒00'59	
opposition	-2511 Aug 14 j 19:04	0°♒32'19	-2°07'43
min. Earth dist.	-2511 Aug 14 j 20:33	0°♒32'01	8.21839 AU
	-2511 Aug 21 j 13:26	30°℞♑	
direct	-2511 Oct 20 j 14:22	27°♑08'44	
	-2511 Dec 16 j 14:20	0°♒	
evening set	-2510 Jan 29 j 13:49	4°♒58'43	
conjunction	-2510 Feb 15 j 23:09	7°♒12'51	-1°53'18
minimum elong	-2510 Feb 15 j 23:05	7°♒12'50	1°53'21
max. Earth dist.	-2510 Feb 15 j 23:18	7°♒12'54	10.15819 AU
morning rise	-2510 Mar 05 j 13:24	9°♒28'37	

Attention, astronomical year style is used: The year -2510 in astronomical counting style is the year 2511 BCE in historical counting style.

	-2510 Apr 23 j 21:38	15°♒	
retrograde	-2510 Jun 21 j 06:36	17°♒49'08	
	-2510 Aug 20 j 12:07	15°℞♒	
opposition	-2510 Aug 28 j 22:02	14°♒19'20	-2°33'08
min. Earth dist.	-2510 Aug 28 j 20:18	14°♒19'41	8.10412 AU
direct	-2510 Nov 03 j 06:54	10°♒54'28	
	-2509 Jan 11 j 06:01	15°♒	
evening set	-2509 Feb 12 j 23:52	18°♒54'29	
conjunction	-2509 Mar 02 j 12:58	21°♒11'17	-2°10'15
minimum elong	-2509 Mar 02 j 12:56	21°♒11'16	2°10'17
max. Earth dist.	-2509 Mar 02 j 16:26	21°♒12'25	10.05346 AU
morning rise	-2509 Mar 20 j 06:47	23°♒29'38	
	-2509 May 19 j 09:15	0°♓	
retrograde	-2509 Jul 06 j 04:39	1°♓57'52	
	-2509 Aug 23 j 17:34	30°℞♒	
opposition	-2509 Sep 12 j 06:29	28°♒27'13	-2°50'01
min. Earth dist.	-2509 Sep 12 j 02:11	28°♒28'06	8.01178 AU
direct	-2509 Nov 17 j 08:04	25°♒01'03	
	-2508 Feb 02 j 02:09	0°♓	
evening set	-2508 Feb 27 j 20:47	3°♓10'01	
conjunction	-2508 Mar 16 j 13:45	5°♓29'09	-2°19'38
minimum elong	-2508 Mar 16 j 13:44	5°♓29'08	2°19'39
max. Earth dist.	-2508 Mar 16 j 19:48	5°♓31'09	9.97358 AU
morning rise	-2508 Apr 03 j 10:55	7°♓49'38	
retrograde	-2508 Jul 20 j 05:54	16°♓22'31	
opposition	-2508 Sep 25 j 18:59	12°♓51'25	-2°56'38
min. Earth dist.	-2508 Sep 25 j 13:00	12°♓52'40	7.94639 AU
direct	-2508 Nov 30 j 16:50	9°♓24'02	
evening set	-2507 Mar 14 j 02:04	17°♓40'12	
conjunction	-2507 Mar 31 j 22:48	20°♓01'11	-2°20'21
minimum elong	-2507 Mar 31 j 22:49	20°♓01'11	2°20'21
max. Earth dist.	-2507 Apr 01 j 07:12	20°♓03'58	9.92292 AU
morning rise	-2507 Apr 18 j 22:57	22°♓23'14	
	-2507 Jul 02 j 21:38	0°♈	
retrograde	-2507 Aug 04 j 07:36	0°♈57'18	
	-2507 Sep 05 j 19:40	30°℞♓	
opposition	-2507 Oct 10 j 09:32	27°♓26'14	-2°51'58
min. Earth dist.	-2507 Oct 10 j 02:06	27°♓27'47	7.91178 AU
direct	-2507 Dec 15 j 07:50	23°♓57'50	
	-2506 Mar 11 j 03:33	0°♈	
evening set	-2506 Mar 29 j 13:00	2°♈18'51	
conjunction	-2506 Apr 16 j 13:15	4°♈41'04	-2°12'04
minimum elong	-2506 Apr 16 j 13:18	4°♈41'05	2°12'03
max. Earth dist.	-2506 Apr 16 j 23:54	4°♈44'35	9.90524 AU
morning rise	-2506 May 04 j 15:48	7°♈03'58	
retrograde	-2506 Aug 19 j 06:51	15°♈35'25	
opposition	-2506 Oct 24 j 23:57	12°♈04'48	-2°36'06
min. Earth dist.	-2506 Oct 24 j 15:07	12°♈06'39	7.91136 AU
direct	-2506 Dec 30 j 03:48	8°♈35'37	
evening set	-2505 Apr 14 j 02:08	16°♈58'35	
conjunction	-2505 May 02 j 05:10	19°♈21'13	-1°55'15
minimum elong	-2505 May 02 j 05:14	19°♈21'14	1°55'14
max. Earth dist.	-2505 May 02 j 17:45	19°♈25'22	9.92302 AU
morning rise	-2505 May 20 j 09:07	21°♈44'05	
	-2505 Aug 21 j 05:01	0°♉	
retrograde	-2505 Sep 03 j 00:03	0°♉09'17	
	-2505 Sep 15 j 19:22	30°℞♈	
opposition	-2505 Nov 08 j 12:05	26°♈39'31	-2°10'13
min. Earth dist.	-2505 Nov 08 j 01:53	26°♈41'39	7.94622 AU
direct	-2504 Jan 14 j 01:28	23°♈09'51	
	-2504 Apr 16 j 10:49	0°♉	
evening set	-2504 Apr 28 j 13:41	1°♉31'39	
conjunction	-2504 May 16 j 18:16	3°♉53'45	-1°31'14
minimum elong	-2504 May 16 j 18:20	3°♉53'47	1°31'11
max. Earth dist.	-2504 May 17 j 08:22	3°♉58'23	9.97565 AU
morning rise	-2504 Jun 03 j 22:15	6°♉15'37	
retrograde	-2504 Sep 16 j 09:32	14°♉31'37	
opposition	-2504 Nov 21 j 19:46	11°♉03'02	-1°36'25
min. Earth dist.	-2504 Nov 21 j 08:27	11°♉05'23	8.01440 AU
direct	-2503 Jan 27 j 21:37	7°♉33'13	
	-2503 May 07 j 02:02	15°♉	
evening set	-2503 May 13 j 20:04	15°♉50'59	
conjunction	-2503 Jun 01 j 00:44	18°♉11'38	-1°01'54
minimum elong	-2503 Jun 01 j 00:46	18°♉11'39	1°01'51
max. Earth dist.	-2503 Jun 01 j 15:38	18°♉16'29	10.05969 AU
morning rise	-2503 Jun 19 j 03:17	20°♉31'36	
retrograde	-2503 Sep 30 j 10:17	28°♉36'24	
opposition	-2503 Dec 05 j 21:24	25°♉09'15	-0°57'28
min. Earth dist.	-2503 Dec 05 j 09:57	25°♉11'36	8.11143 AU
direct	-2502 Feb 11 j 13:07	21°♉39'34	
evening set	-2502 May 28 j 18:24	29°♉51'01	
	-2502 May 29 j 23:00	0°♊	
conjunction	-2502 Jun 15 j 21:30	2°♊09'24	-0°29'29
minimum elong	-2502 Jun 15 j 21:32	2°♊09'25	0°29'25
max. Earth dist.	-2502 Jun 16 j 12:00	2°♊14'03	10.16936 AU
morning rise	-2502 Jul 03 j 21:14	4°♊26'42	
retrograde	-2502 Oct 14 j 02:22	12°♊19'20	
opposition	-2502 Dec 19 j 15:58	8°♊53'48	-0°16'14
min. Earth dist.	-2502 Dec 19 j 05:27	8°♊55'56	8.23077 AU
direct	-2501 Feb 25 j 22:36	5°♊24'34	
asc. node	-2501 May 17 j 12:09	10°♊26'02	
evening set	-2501 Jun 12 j 06:44	13°♊28'05	
conjunction	-2501 Jun 30 j 06:40	15°♊43'33	0°03'53
minimum elong	-2501 Jun 30 j 06:39	15°♊43'33	0°03'58
behind sun begin	-2501 Jun 29 j 23:27	15°♊41'18	
behind sun end	-2501 Jun 30 j 13:51	15°♊45'48	
max. Earth dist.	-2501 Jun 30 j 19:30	15°♊47'36	10.29739 AU
morning rise	-2501 Jul 18 j 02:17	17°♊57'40	
retrograde	-2501 Oct 27 j 06:44	25°♊38'02	
opposition	-2500 Jan 02 j 02:50	22°♊14'13	0°24'37
min. Earth dist.	-2500 Jan 01 j 18:08	22°♊15'58	8.36503 AU
direct	-2500 Mar 11 j 02:16	18°♊45'43	
evening set	-2500 Jun 25 j 07:35	26°♊40'20	
conjunction	-2500 Jul 13 j 03:05	28°♊52'28	0°36'02
minimum elong	-2500 Jul 13 j 03:04	28°♊52'28	0°36'06
max. Earth dist.	-2500 Jul 13 j 13:11	28°♊55'37	10.43619 AU
	-2500 Jul 22 j 04:27	0°♋	
morning rise	-2500 Jul 30 j 17:50	1°♋03'07	
retrograde	-2500 Nov 08 j 00:27	8°♋31'58	
opposition	-2499 Jan 14 j 06:01	5°♋09'48	1°02'50
min. Earth dist.	-2499 Jan 13 j 23:05	5°♋11'10	8.50661 AU
direct	-2499 Mar 24 j 21:54	1°♋42'14	
evening set	-2499 Jul 08 j 20:17	9°♋27'34	
conjunction	-2499 Jul 26 j 10:40	11°♋36'15	1°05'31
minimum elong	-2499 Jul 26 j 10:37	11°♋36'14	1°05'35
max. Earth dist.	-2499 Jul 26 j 17:44	11°♋38'25	10.57828 AU
morning rise	-2499 Aug 12 j 20:05	13°♋43'23	
retrograde	-2499 Nov 20 j 10:33	21°♋01'53	
opposition	-2498 Jan 27 j 01:44	17°♋41'15	1°36'46
min. Earth dist.	-2498 Jan 26 j 20:18	17°♋42'18	8.64805 AU
direct	-2498 Apr 07 j 08:02	14°♋14'50	
evening set	-2498 Jul 21 j 21:22	21°♋50'58	
conjunction	-2498 Aug 08 j 06:23	23°♋56'18	1°31'09

Attention, astronomical year style is used: The year -2498 in astronomical counting style is the year 2499 BCE in historical counting style.

minimum elong	-2498 Aug 08 j 06:20	23°♋56'17	1°31'12
max. Earth dist.	-2498 Aug 08 j 11:02	23°♋57'42	10.71661 AU
morning rise	-2498 Aug 25 j 10:15	26°♋00'04	
	-2498 Oct 01 j 09:16	0°♌	
retrograde	-2498 Dec 02 j 13:07	3°♌09'39	
	-2497 Feb 06 j 12:40	30°℞♋	
opposition	-2497 Feb 08 j 14:41	29°♋50'24	2°05'13
min. Earth dist.	-2497 Feb 08 j 10:59	29°♋51'06	8.78269 AU
direct	-2497 Apr 20 j 08:49	26°♋25'14	
	-2497 Jun 28 j 11:11	0°♌	
evening set	-2497 Aug 03 j 11:25	3°♌52'42	
conjunction	-2497 Aug 20 j 15:08	5°♌54'56	1°52'05
minimum elong	-2497 Aug 20 j 15:05	5°♌54'55	1°52'07
max. Earth dist.	-2497 Aug 20 j 17:41	5°♌55'42	10.84512 AU
morning rise	-2497 Sep 06 j 13:41	7°♌55'41	
retrograde	-2497 Dec 14 j 09:48	14°♌57'58	
opposition	-2496 Feb 20 j 22:06	11°♌39'54	2°27'29
min. Earth dist.	-2496 Feb 20 j 20:54	11°♌40'08	8.90490 AU
direct	-2496 May 02 j 01:57	8°♌16'03	
	-2496 Aug 09 j 11:34	15°♌	
evening set	-2496 Aug 14 j 15:23	15°♌35'35	
conjunction	-2496 Aug 31 j 14:07	17°♌35'07	2°07'49
minimum elong	-2496 Aug 31 j 14:04	17°♌35'06	2°07'51
max. Earth dist.	-2496 Aug 31 j 13:50	17°♌35'01	10.95870 AU
morning rise	-2496 Sep 17 j 08:08	19°♌33'17	
retrograde	-2496 Dec 25 j 02:05	26°♌29'55	
opposition	-2495 Mar 04 j 00:46	23°♌12'50	2°43'11
min. Earth dist.	-2495 Mar 04 j 02:30	23°♌12'31	9.00997 AU
direct	-2495 May 14 j 10:50	19°♌50'17	
evening set	-2495 Aug 26 j 10:54	27°♌02'51	
conjunction	-2495 Sep 12 j 05:14	29°♌00'09	2°18'08
minimum elong	-2495 Sep 12 j 05:13	29°♌00'09	2°18'10
max. Earth dist.	-2495 Sep 12 j 01:25	28°♌59'02	11.05316 AU
	-2495 Sep 20 j 17:29	0°♍	
morning rise	-2495 Sep 28 j 19:38	0°♍56'18	
retrograde	-2494 Jan 05 j 12:35	7°♍48'56	
opposition	-2494 Mar 15 j 23:34	4°♍32'33	2°52'12
min. Earth dist.	-2494 Mar 16 j 03:32	4°♍31'49	9.09396 AU
direct	-2494 May 26 j 14:32	1°♍11'12	
evening set	-2494 Sep 06 j 23:16	8°♍17'56	
conjunction	-2494 Sep 23 j 14:11	10°♍13'32	2°22'55
minimum elong	-2494 Sep 23 j 14:11	10°♍13'32	2°22'57
max. Earth dist.	-2494 Sep 23 j 08:03	10°♍11'44	11.12516 AU
morning rise	-2494 Oct 10 j 01:48	12°♍08'11	
retrograde	-2493 Jan 17 j 00:26	18°♍58'32	
opposition	-2493 Mar 27 j 20:08	15°♍42'32	2°54'33
min. Earth dist.	-2493 Mar 28 j 01:25	15°♍41'34	9.15392 AU
direct	-2493 Jun 07 j 13:55	12°♍22'20	
evening set	-2493 Sep 18 j 06:01	19°♍24'20	
conjunction	-2493 Oct 04 j 18:31	21°♍18'48	2°22'16
minimum elong	-2493 Oct 04 j 18:32	21°♍18'48	2°22'17
max. Earth dist.	-2493 Oct 04 j 11:14	21°♍16'40	11.17221 AU
morning rise	-2493 Oct 21 j 04:14	23°♍12'33	
	-2492 Jan 21 j 18:12	0°♎	
retrograde	-2492 Jan 28 j 11:11	0°♎02'13	
	-2492 Feb 04 j 04:51	30°℞♍	
opposition	-2492 Apr 07 j 15:31	26°♍46'20	2°50'26
min. Earth dist.	-2492 Apr 07 j 22:40	26°♍45'01	9.18790 AU
direct	-2492 Jun 18 j 06:50	23°♍27'04	
	-2492 Sep 24 j 14:32	0°♎	
evening set	-2492 Sep 28 j 09:10	0°♎25'36	
conjunction	-2492 Oct 14 j 20:04	2°♎19'30	2°16'19
minimum elong	-2492 Oct 14 j 20:05	2°♎19'31	2°16'19
max. Earth dist.	-2492 Oct 14 j 10:33	2°♎16'44	11.19285 AU
morning rise	-2492 Oct 31 j 05:03	4°♎12'56	
retrograde	-2491 Feb 07 j 22:47	11°♎03'32	
opposition	-2491 Apr 19 j 10:37	7°♎47'27	2°40'05
min. Earth dist.	-2491 Apr 19 j 20:02	7°♎45'44	9.19487 AU
direct	-2491 Jun 29 j 22:27	4°♎28'54	
evening set	-2491 Oct 09 j 10:19	11°♎25'21	
conjunction	-2491 Oct 25 j 20:28	13°♎19'14	2°05'22
minimum elong	-2491 Oct 25 j 20:30	13°♎19'15	2°05'20
max. Earth dist.	-2491 Oct 25 j 08:37	13°♎15'47	11.18644 AU
morning rise	-2491 Nov 11 j 05:49	15°♎12'54	
retrograde	-2490 Feb 19 j 12:00	22°♎06'03	
opposition	-2490 May 01 j 06:49	18°♎49'27	2°23'51
min. Earth dist.	-2490 May 01 j 17:43	18°♎47'28	9.17449 AU
direct	-2490 Jul 11 j 12:43	15°♎31'23	
evening set	-2490 Oct 20 j 11:02	22°♎27'09	
conjunction	-2490 Nov 05 j 21:29	24°♎21'32	1°49'42
minimum elong	-2490 Nov 05 j 21:31	24°♎21'33	1°49'40
max. Earth dist.	-2490 Nov 05 j 09:00	24°♎17'53	11.15291 AU
morning rise	-2490 Nov 22 j 07:53	26°♎15'59	
	-2490 Dec 27 j 23:01	0°♏	
retrograde	-2489 Mar 03 j 06:23	3°♏13'21	
	-2489 May 12 j 06:42	30°℞♎	
opposition	-2489 May 13 j 05:09	29°♎55'54	2°02'10
min. Earth dist.	-2489 May 13 j 16:14	29°♎53'52	9.12709 AU
direct	-2489 Jul 23 j 03:50	26°♎38'04	
	-2489 Sep 27 j 18:28	0°♏	
evening set	-2489 Oct 31 j 13:26	3°♏34'36	
conjunction	-2489 Nov 17 j 00:58	5°♏30'02	1°29'46
minimum elong	-2489 Nov 17 j 01:01	5°♏30'03	1°29'45
max. Earth dist.	-2489 Nov 16 j 12:12	5°♏26'17	11.09290 AU
morning rise	-2489 Dec 03 j 13:12	7°♏25'47	
retrograde	-2488 Mar 14 j 07:00	14°♏28'54	
opposition	-2488 May 24 j 06:42	11°♏10'22	1°35'35
min. Earth dist.	-2488 May 24 j 18:08	11°♏08'16	9.05373 AU
direct	-2488 Aug 02 j 18:30	7°♏52'31	
evening set	-2488 Nov 10 j 19:21	14°♏51'25	
	-2488 Nov 12 j 00:55	15°♏	
conjunction	-2488 Nov 27 j 08:31	16°♏48'22	1°06'06
minimum elong	-2488 Nov 27 j 08:33	16°♏48'23	1°06'04
max. Earth dist.	-2488 Nov 26 j 18:31	16°♏44'13	11.00772 AU
morning rise	-2488 Dec 13 j 23:24	18°♏45'55	
retrograde	-2487 Mar 26 j 12:29	25°♏56'26	
opposition	-2487 Jun 05 j 12:44	22°♏36'36	1°04'44
min. Earth dist.	-2487 Jun 06 j 00:57	22°♏34'20	8.95621 AU
direct	-2487 Aug 14 j 11:52	19°♏18'25	
evening set	-2487 Nov 22 j 06:42	26°♏21'27	
conjunction	-2487 Dec 08 j 22:00	28°♏20'22	0°39'22
minimum elong	-2487 Dec 08 j 22:02	28°♏20'22	0°39'18
max. Earth dist.	-2487 Dec 08 j 07:20	28°♏15'58	10.89991 AU
	-2487 Dec 22 j 19:42	0°♐	
morning rise	-2487 Dec 25 j 16:05	0°♐20'09	
retrograde	-2486 Apr 08 j 02:36	7°♐39'40	
opposition	-2486 Jun 18 j 00:19	4°♐18'20	0°30'28
min. Earth dist.	-2486 Jun 18 j 12:32	4°♐16'03	8.83816 AU
direct	-2486 Aug 26 j 10:47	0°♐59'35	
evening set	-2486 Dec 04 j 01:23	8°♐08'21	
conjunction	-2486 Dec 20 j 19:28	10°♐09'38	0°10'24
minimum elong	-2486 Dec 20 j 19:29	10°♐09'38	0°10'20

Attention, astronomical year style is used: The year -2486 in astronomical counting style is the year 2487 BCE in historical counting style.

behind sun begin	-2486 Dec 20 j 13:53	10°♐07'57	
behind sun end	-2486 Dec 21 j 01:04	10°♐11'19	
max. Earth dist.	-2486 Dec 20 j 06:05	10°♐05'34	10.77388 AU
morning rise	-2485 Jan 06 j 17:00	12°♐12'01	
retrograde	-2485 Apr 21 j 01:33	19°♐41'54	
desc. node	-2485 Apr 29 j 23:07	19°♐38'00	
opposition	-2485 Jun 30 j 18:19	16°♐18'52	-0°06'05
min. Earth dist.	-2485 Jul 01 j 05:02	16°♐16'50	8.70482 AU
direct	-2485 Sep 07 j 14:20	12°♐59'17	
evening set	-2485 Dec 16 j 05:11	20°♐15'20	
conjunction	-2484 Jan 02 j 02:25	22°♐19'17	-0°19'51
minimum elong	-2484 Jan 02 j 02:24	22°♐19'17	0°19'56
max. Earth dist.	-2484 Jan 01 j 15:06	22°♐15'48	10.63516 AU
morning rise	-2484 Jan 19 j 03:35	24°♐24'33	
	-2484 Mar 13 j 04:59	0°♑	
retrograde	-2484 May 03 j 10:23	2°♑05'48	
	-2484 Jun 25 j 05:36	30°℞♐	
opposition	-2484 Jul 12 j 19:25	28°♐40'59	-0°43'33
min. Earth dist.	-2484 Jul 13 j 03:52	28°♐39'21	8.56210 AU
direct	-2484 Sep 19 j 01:20	25°♐20'20	
	-2484 Dec 04 j 05:26	0°♑	
evening set	-2484 Dec 27 j 19:54	2°♑45'04	
conjunction	-2483 Jan 13 j 20:20	4°♑51'54	-0°49'56
minimum elong	-2483 Jan 13 j 20:18	4°♑51'53	0°50'01
max. Earth dist.	-2483 Jan 13 j 10:47	4°♑48'54	10.49003 AU
morning rise	-2483 Jan 31 j 01:19	7°♑00'13	
retrograde	-2483 May 17 j 05:39	14°♑53'22	
opposition	-2483 Jul 26 j 04:00	11°♑26'47	-1°20'11
min. Earth dist.	-2483 Jul 26 j 10:14	11°♑25'34	8.41668 AU
direct	-2483 Oct 01 j 18:48	8°♑04'54	
evening set	-2482 Jan 09 j 22:34	15°♑39'26	
conjunction	-2482 Jan 27 j 02:21	17°♑49'15	-1°18'23
minimum elong	-2482 Jan 27 j 02:18	17°♑49'14	1°18'27
max. Earth dist.	-2482 Jan 26 j 18:53	17°♑46'52	10.34561 AU
morning rise	-2482 Feb 13 j 11:14	20°♑00'42	
retrograde	-2482 May 31 j 10:24	28°♑05'43	
opposition	-2482 Aug 08 j 20:24	24°♑37'30	-1°53'56
min. Earth dist.	-2482 Aug 09 j 00:31	24°♑36'41	8.27593 AU
direct	-2482 Oct 14 j 20:46	21°♑14'13	
evening set	-2481 Jan 23 j 13:48	28°♑59'15	
	-2481 Jan 31 j 13:01	0°♒	
conjunction	-2481 Feb 09 j 21:13	1°♒12'03	-1°43'28
minimum elong	-2481 Feb 09 j 21:10	1°♒12'02	1°43'32
max. Earth dist.	-2481 Feb 09 j 16:50	1°♒10'39	10.20939 AU
morning rise	-2481 Feb 27 j 09:57	3°♒26'33	
retrograde	-2481 Jun 14 j 22:01	11°♒42'37	
opposition	-2481 Aug 22 j 20:04	8°♒12'58	-2°22'30
min. Earth dist.	-2481 Aug 22 j 21:45	8°♒12'38	8.14734 AU
direct	-2481 Oct 28 j 10:07	4°♒48'15	
evening set	-2480 Feb 06 j 17:53	12°♒43'53	
conjunction	-2480 Feb 24 j 05:10	14°♒59'34	-2°03'23
minimum elong	-2480 Feb 24 j 05:07	14°♒59'33	2°03'25
max. Earth dist.	-2480 Feb 24 j 04:38	14°♒59'23	10.08894 AU
	-2480 Feb 24 j 06:30	15°♒	
morning rise	-2480 Mar 12 j 21:31	17°♒16'52	
retrograde	-2480 Jun 28 j 16:29	25°♒42'11	
opposition	-2480 Sep 05 j 01:56	22°♒11'25	-2°43'34
min. Earth dist.	-2480 Sep 05 j 00:46	22°♒11'40	8.03827 AU
direct	-2480 Nov 10 j 07:51	18°♒45'18	
evening set	-2479 Feb 20 j 09:45	26°♒50'50	
conjunction	-2479 Mar 10 j 01:01	29°♒09'08	-2°16'24
minimum elong	-2479 Mar 10 j 01:00	29°♒09'07	2°16'26
max. Earth dist.	-2479 Mar 10 j 04:51	29°♒10'23	9.99158 AU
	-2479 Mar 16 j 11:44	0°♓	
morning rise	-2479 Mar 27 j 20:45	1°♓28'53	
retrograde	-2479 Jul 13 j 16:38	10°♓00'46	
opposition	-2479 Sep 19 j 12:57	6°♓29'16	-2°55'06
min. Earth dist.	-2479 Sep 19 j 08:29	6°♓30'11	7.95551 AU
direct	-2479 Nov 24 j 13:07	3°♓01'51	
evening set	-2478 Mar 07 j 11:28	11°♓15'42	
conjunction	-2478 Mar 25 j 06:43	13°♓36'10	-2°21'12
minimum elong	-2478 Mar 25 j 06:43	13°♓36'10	2°21'12
max. Earth dist.	-2478 Mar 25 j 14:37	13°♓38'47	9.92376 AU
morning rise	-2478 Apr 12 j 05:35	15°♓57'51	
retrograde	-2478 Jul 28 j 19:13	24°♓32'48	
opposition	-2478 Oct 04 j 03:08	21°♓01'01	-2°55'41
min. Earth dist.	-2478 Oct 03 j 19:44	21°♓02'33	7.90455 AU
direct	-2478 Dec 09 j 00:57	17°♓32'28	
evening set	-2477 Mar 22 j 20:36	25°♓52'23	
conjunction	-2477 Apr 09 j 19:35	28°♓14'25	-2°17'02
minimum elong	-2477 Apr 09 j 19:37	28°♓14'26	2°17'01
max. Earth dist.	-2477 Apr 10 j 06:44	28°♓18'07	9.89017 AU
	-2477 Apr 23 j 02:53	0°♈	
morning rise	-2477 Apr 27 j 21:06	0°♈37'18	
retrograde	-2477 Aug 12 j 21:11	9°♈11'20	
opposition	-2477 Oct 18 j 18:10	5°♈39'47	-2°44'51
min. Earth dist.	-2477 Oct 18 j 08:41	5°♈41'46	7.88898 AU
direct	-2477 Dec 23 j 18:50	2°♈10'20	
evening set	-2476 Apr 06 j 09:36	10°♈33'31	
conjunction	-2476 Apr 24 j 11:39	12°♈56'19	-2°03'59
minimum elong	-2476 Apr 24 j 11:42	12°♈56'20	2°03'58
max. Earth dist.	-2476 Apr 25 j 01:12	13°♈00'48	9.89326 AU
morning rise	-2476 May 12 j 15:02	15°♈19'32	
retrograde	-2476 Aug 26 j 18:14	23°♈48'47	
opposition	-2476 Nov 01 j 08:00	20°♈17'58	-2°23'16
min. Earth dist.	-2476 Oct 31 j 21:14	20°♈20'13	7.91003 AU
direct	-2475 Jan 06 j 15:59	16°♈47'58	
evening set	-2475 Apr 21 j 22:25	25°♈11'14	
conjunction	-2475 May 10 j 02:31	27°♈33'54	-1°43'01
minimum elong	-2475 May 10 j 02:35	27°♈33'55	1°42'59
max. Earth dist.	-2475 May 10 j 17:31	27°♈38'50	9.93294 AU
morning rise	-2475 May 28 j 06:40	29°♈56'32	
	-2475 May 28 j 17:26	0°♉	
retrograde	-2475 Sep 10 j 07:55	8°♉17'42	
opposition	-2475 Nov 15 j 18:20	4°♉48'03	-1°52'42
min. Earth dist.	-2475 Nov 15 j 07:03	4°♉50'24	7.96642 AU
direct	-2474 Jan 21 j 13:08	1°♉17'51	
evening set	-2474 May 07 j 07:50	9°♉38'16	
conjunction	-2474 May 25 j 12:39	11°♉59'52	-1°15'48
minimum elong	-2474 May 25 j 12:43	11°♉59'53	1°15'45
max. Earth dist.	-2474 May 26 j 03:53	12°♉04'50	10.00647 AU
morning rise	-2474 Jun 12 j 16:13	14°♉20'58	
	-2474 Jun 17 j 19:17	15°♉	
retrograde	-2474 Sep 24 j 13:04	22°♉31'35	
opposition	-2474 Nov 29 j 23:10	19°♉03'28	-1°15'40
min. Earth dist.	-2474 Nov 29 j 11:46	19°♉05'49	8.05436 AU
direct	-2473 Feb 05 j 07:35	15°♉33'25	
evening set	-2473 May 22 j 10:38	23°♉48'29	
conjunction	-2473 Jun 09 j 14:35	26°♉08'07	-0°44'27
minimum elong	-2473 Jun 09 j 14:37	26°♉08'08	0°44'23
max. Earth dist.	-2473 Jun 10 j 05:20	26°♉12'52	10.10877 AU
morning rise	-2473 Jun 27 j 16:00	28°♉26'52	

Attention, astronomical year style is used: The year -2473 in astronomical counting style is the year 2474 BCE in historical counting style.

	-2473 Jul 10 j 05:12	0°♊	
retrograde	-2473 Oct 08 j 08:56	6°♊25'32	
opposition	-2473 Dec 13 j 21:26	2°♊59'10	-0°35'02
min. Earth dist.	-2473 Dec 13 j 10:05	3°♊01'29	8.16804 AU
	-2472 Jan 27 j 00:14	30°℞♉	
direct	-2472 Feb 19 j 21:14	29°♉29'39	
	-2472 Mar 14 j 17:56	0°♊	
evening set	-2472 Jun 05 j 04:06	7°♊37'21	
conjunction	-2472 Jun 23 j 05:37	9°♊54'18	-0°11'15
minimum elong	-2472 Jun 23 j 05:37	9°♊54'18	0°11'11
behind sun begin	-2472 Jun 23 j 00:17	9°♊52'38	
behind sun end	-2472 Jun 23 j 10:57	9°♊55'59	
max. Earth dist.	-2472 Jun 23 j 19:32	9°♊58'43	10.23313 AU
morning rise	-2472 Jul 11 j 03:27	12°♊10'02	
retrograde	-2472 Oct 20 j 18:34	19°♊56'23	
asc. node	-2472 Oct 28 j 17:51	19°♊52'50	
opposition	-2472 Dec 26 j 12:16	16°♊31'51	0°06'23
min. Earth dist.	-2472 Dec 26 j 01:22	16°♊34'03	8.30032 AU
direct	-2471 Mar 05 j 04:39	13°♊03'10	
evening set	-2471 Jun 19 j 10:46	21°♊02'14	
conjunction	-2471 Jul 07 j 08:31	23°♊15'59	0°21'46
minimum elong	-2471 Jul 07 j 08:30	23°♊15'59	0°21'50
max. Earth dist.	-2471 Jul 07 j 21:07	23°♊19'56	10.37197 AU
morning rise	-2471 Jul 25 j 01:40	25°♊28'18	
	-2471 Sep 03 j 21:59	0°♋	
retrograde	-2471 Nov 02 j 18:28	3°♋02'39	
	-2470 Jan 04 j 14:18	30°℞♊	
opposition	-2470 Jan 08 j 19:16	29°♊39'57	0°46'05
min. Earth dist.	-2470 Jan 08 j 09:44	29°♊41'51	8.44343 AU
direct	-2470 Mar 19 j 03:19	26°♊12'17	
	-2470 May 28 j 01:42	0°♋	
evening set	-2470 Jul 03 j 05:45	4°♋02'05	
conjunction	-2470 Jul 20 j 22:43	6°♋12'23	0°52'41
minimum elong	-2470 Jul 20 j 22:41	6°♋12'23	0°52'46
max. Earth dist.	-2470 Jul 21 j 09:17	6°♋15'39	10.51734 AU
morning rise	-2470 Aug 07 j 10:30	8°♋21'07	
retrograde	-2470 Nov 15 j 09:56	15°♋44'24	
opposition	-2469 Jan 21 j 18:52	12°♋23'27	1°22'09
min. Earth dist.	-2469 Jan 21 j 11:52	12°♋24'49	8.58945 AU
direct	-2469 Apr 01 j 16:54	8°♋56'57	
evening set	-2469 Jul 16 j 12:48	16°♋37'21	
conjunction	-2469 Aug 03 j 00:18	18°♋44'10	1°20'12
minimum elong	-2469 Aug 03 j 00:14	18°♋44'09	1°20'16
max. Earth dist.	-2469 Aug 03 j 07:29	18°♋46'22	10.66145 AU
morning rise	-2469 Aug 20 j 06:32	20°♋49'25	
retrograde	-2469 Nov 27 j 15:43	28°♋02'56	
opposition	-2468 Feb 03 j 11:25	24°♋43'32	1°53'11
min. Earth dist.	-2468 Feb 03 j 07:12	24°♋44'21	8.73076 AU
direct	-2468 Apr 13 j 22:26	21°♋18'16	
evening set	-2468 Jul 28 j 08:18	28°♋49'38	
	-2468 Aug 07 j 05:08	0°♌	
conjunction	-2468 Aug 14 j 14:14	0°♌53'10	1°43'19
minimum elong	-2468 Aug 14 j 14:11	0°♌53'09	1°43'22
max. Earth dist.	-2468 Aug 14 j 17:24	0°♌54'07	10.79709 AU
morning rise	-2468 Aug 31 j 15:12	2°♌55'13	
retrograde	-2468 Dec 08 j 14:07	10°♌00'36	
opposition	-2467 Feb 14 j 21:32	6°♌42'30	2°18'17
min. Earth dist.	-2467 Feb 14 j 19:51	6°♌42'49	8.86030 AU
direct	-2467 Apr 26 j 21:00	3°♌18'30	
evening set	-2467 Aug 09 j 17:05	10°♌41'33	
conjunction	-2467 Aug 26 j 17:54	12°♌42'12	2°01'25
minimum elong	-2467 Aug 26 j 17:52	12°♌42'12	2°01'27
max. Earth dist.	-2467 Aug 26 j 17:36	12°♌42'07	10.91780 AU
morning rise	-2467 Sep 12 j 14:02	14°♌41'28	
	-2467 Sep 15 j 06:01	15°♌	
retrograde	-2467 Dec 20 j 08:51	21°♌40'30	
opposition	-2466 Feb 27 j 02:24	18°♌23'26	2°36'56
min. Earth dist.	-2466 Feb 27 j 02:49	18°♌23'21	8.97220 AU
direct	-2466 May 09 j 10:08	15°♌00'43	
evening set	-2466 Aug 21 j 16:42	22°♌16'26	
conjunction	-2466 Sep 07 j 13:01	24°♌14'40	2°14'09
minimum elong	-2466 Sep 07 j 12:59	24°♌14'40	2°14'11
max. Earth dist.	-2466 Sep 07 j 10:28	24°♌13'55	11.01887 AU
morning rise	-2466 Sep 24 j 04:52	26°♌11'40	
	-2466 Oct 30 j 07:14	0°♍	
retrograde	-2466 Dec 31 j 23:02	3°♍06'04	
	-2465 Mar 08 j 20:12	30°℞♌	
opposition	-2465 Mar 11 j 03:17	29°♌49'45	2°48'55
min. Earth dist.	-2465 Mar 11 j 06:23	29°♌49'10	9.06278 AU
direct	-2465 May 21 j 15:58	26°♌28'12	
	-2465 Jul 30 j 00:23	0°♍	
evening set	-2465 Sep 02 j 08:35	3°♍37'40	
conjunction	-2465 Sep 19 j 01:03	5°♍33'59	2°21'23
minimum elong	-2465 Sep 19 j 01:02	5°♍33'59	2°21'25
max. Earth dist.	-2465 Sep 18 j 19:38	5°♍32'24	11.09747 AU
morning rise	-2465 Oct 05 j 13:39	7°♍29'16	
retrograde	-2464 Jan 12 j 11:12	14°♍20'43	
opposition	-2464 Mar 22 j 01:19	11°♍04'49	2°54'13
min. Earth dist.	-2464 Mar 22 j 07:22	11°♍03'42	9.12969 AU
direct	-2464 Jun 01 j 16:48	7°♍44'16	
evening set	-2464 Sep 12 j 18:07	14°♍48'34	
conjunction	-2464 Sep 29 j 07:33	16°♍43'32	2°23'07
minimum elong	-2464 Sep 29 j 07:33	16°♍43'32	2°23'09
max. Earth dist.	-2464 Sep 28 j 22:54	16°♍41'01	11.15157 AU
morning rise	-2464 Oct 15 j 18:07	18°♍37'42	
retrograde	-2463 Jan 22 j 20:19	25°♍27'48	
opposition	-2463 Apr 02 j 21:24	22°♍11'57	2°52'56
min. Earth dist.	-2463 Apr 03 j 05:38	22°♍10'26	9.17100 AU
direct	-2463 Jun 13 j 13:13	18°♍52'14	
evening set	-2463 Sep 23 j 23:01	25°♍52'35	
conjunction	-2463 Oct 10 j 10:30	27°♍46'45	2°19'29
minimum elong	-2463 Oct 10 j 10:31	27°♍46'46	2°19'29
max. Earth dist.	-2463 Oct 10 j 00:00	27°♍43'42	11.17960 AU
morning rise	-2463 Oct 26 j 19:52	29°♍40'22	
	-2463 Oct 29 j 17:08	0°♎	
retrograde	-2462 Feb 03 j 08:10	6°♎30'45	
opposition	-2462 Apr 14 j 16:34	3°♎14'37	2°45'19
min. Earth dist.	-2462 Apr 15 j 01:52	3°♎12'55	9.18548 AU
	-2462 Jun 15 j 14:19	30°℞♍	
direct	-2462 Jun 25 j 07:51	29°♍55'32	
	-2462 Jul 04 j 22:30	0°♎	
evening set	-2462 Oct 05 j 00:56	6°♎53'12	
conjunction	-2462 Oct 21 j 11:30	8°♎47'10	2°10'42
minimum elong	-2462 Oct 21 j 11:32	8°♎47'11	2°10'41
max. Earth dist.	-2462 Oct 21 j 00:14	8°♎43'54	11.18076 AU
morning rise	-2462 Nov 06 j 20:34	10°♎40'47	
retrograde	-2461 Feb 14 j 21:14	17°♎33'03	
opposition	-2461 Apr 26 j 12:26	14°♎16'22	2°31'38
min. Earth dist.	-2461 Apr 26 j 22:44	14°♎14'29	9.17289 AU
direct	-2461 Jul 06 j 21:36	10°♎57'44	
evening set	-2461 Oct 16 j 01:42	17°♎54'05	
conjunction	-2461 Nov 01 j 12:05	19°♎48'21	1°57'04

Attention, astronomical year style is used: The year -2461 in astronomical counting style is the year 2462 BCE in historical counting style.

minimum elong	-2461 Nov 01 j 12:07	19°♎48'22	1°57'02
max. Earth dist.	-2461 Oct 31 j 23:24	19°♎44'39	11.15518 AU
morning rise	-2461 Nov 17 j 21:55	21°♎42'33	
retrograde	-2460 Feb 26 j 13:01	28°♎38'20	
opposition	-2460 May 07 j 09:55	25°♎20'50	2°12'18
min. Earth dist.	-2460 May 07 j 21:46	25°♎18'39	9.13379 AU
direct	-2460 Jul 17 j 11:46	22°♎02'24	
evening set	-2460 Oct 26 j 03:20	28°♎58'58	
	-2460 Nov 03 j 21:56	0°♏	
conjunction	-2460 Nov 11 j 14:18	0°♏54'04	1°38'57
minimum elong	-2460 Nov 11 j 14:21	0°♏54'04	1°38'55
max. Earth dist.	-2460 Nov 11 j 00:04	0°♏49'53	11.10379 AU
morning rise	-2460 Nov 28 j 01:51	2°♏49'22	
retrograde	-2459 Mar 09 j 09:49	9°♏50'15	
opposition	-2459 May 19 j 09:55	6°♏31'42	1°47'47
min. Earth dist.	-2459 May 19 j 22:32	6°♏29'23	9.06948 AU
direct	-2459 Jul 29 j 02:54	3°♏13'16	
evening set	-2459 Nov 06 j 07:32	10°♏11'35	
conjunction	-2459 Nov 22 j 19:58	12°♏08'00	1°16'51
minimum elong	-2459 Nov 22 j 20:00	12°♏08'01	1°16'49
max. Earth dist.	-2459 Nov 22 j 05:55	12°♏03'51	11.02816 AU
morning rise	-2459 Dec 09 j 09:46	14°♏04'54	
	-2459 Dec 17 j 10:28	15°♏	
retrograde	-2458 Mar 21 j 12:13	21°♏12'33	
opposition	-2458 May 31 j 13:59	17°♏52'43	1°18'41
min. Earth dist.	-2458 Jun 01 j 02:00	17°♏50'29	8.98200 AU
	-2458 Jul 17 j 17:28	15°℞♏	
direct	-2458 Aug 09 j 20:04	14°♏34'06	
	-2458 Sep 01 j 14:17	15°♏	
evening set	-2458 Nov 17 j 16:10	21°♏35'44	
conjunction	-2458 Dec 04 j 06:41	23°♏33'56	0°51'20
minimum elong	-2458 Dec 04 j 06:43	23°♏33'56	0°51'18
max. Earth dist.	-2458 Dec 03 j 17:37	23°♏30'02	10.93067 AU
morning rise	-2458 Dec 20 j 23:15	25°♏32'51	
	-2457 Feb 01 j 11:42	0°♐	
retrograde	-2457 Apr 03 j 00:11	2°♐48'48	
	-2457 Jun 05 j 16:47	30°℞♏	
opposition	-2457 Jun 12 j 23:08	29°♏27'33	0°45'46
min. Earth dist.	-2457 Jun 13 j 10:00	29°♏25'31	8.87433 AU
direct	-2457 Aug 21 j 16:37	26°♏08'32	
	-2457 Oct 30 j 21:33	0°♐	
evening set	-2457 Nov 29 j 07:32	3°♐15'05	
max. Earth dist.	-2457 Dec 15 j 11:35	5°♐11'34	10.81477 AU
conjunction	-2457 Dec 16 j 00:28	5°♐15'27	0°23'12
minimum elong	-2457 Dec 16 j 00:29	5°♐15'27	0°23'09
morning rise	-2456 Jan 01 j 20:25	7°♐16'49	
retrograde	-2456 Apr 14 j 19:57	14°♐42'24	
opposition	-2456 Jun 24 j 14:14	11°♐19'38	0°10'01
min. Earth dist.	-2456 Jun 25 j 00:26	11°♐17'42	8.75047 AU
direct	-2456 Sep 01 j 16:01	8°♐00'00	
desc. node	-2456 Oct 05 j 03:53	8°♐57'26	
evening set	-2456 Dec 10 j 07:16	15°♐13'06	
conjunction	-2456 Dec 27 j 03:00	17°♐15'57	-0°06'42
minimum elong	-2456 Dec 27 j 02:59	17°♐15'57	0°06'46
behind sun begin	-2456 Dec 26 j 20:24	17°♐13'57	
behind sun end	-2456 Dec 27 j 09:34	17°♐17'57	
max. Earth dist.	-2456 Dec 26 j 14:47	17°♐12'13	10.68487 AU
morning rise	-2455 Jan 13 j 02:40	19°♐20'03	
retrograde	-2455 Apr 27 j 23:09	26°♐56'29	
opposition	-2455 Jul 07 j 12:17	23°♐32'08	-0°27'16
min. Earth dist.	-2455 Jul 07 j 21:27	23°♐30'22	8.61538 AU
direct	-2455 Sep 14 j 00:01	20°♐11'40	
evening set	-2455 Dec 22 j 16:57	27°♐32'46	
conjunction	-2454 Jan 08 j 15:50	29°♐38'23	-0°36'58
minimum elong	-2454 Jan 08 j 15:49	29°♐38'23	0°37'02
max. Earth dist.	-2454 Jan 08 j 05:50	29°♐35'17	10.54631 AU
	-2454 Jan 11 j 13:20	0°♑	
morning rise	-2454 Jan 25 j 19:15	1°♑45'26	
retrograde	-2454 May 11 j 13:37	9°♑33'33	
opposition	-2454 Jul 20 j 17:51	6°♑07'36	-1°04'30
min. Earth dist.	-2454 Jul 21 j 00:59	6°♑06'12	8.47502 AU
direct	-2454 Sep 26 j 15:22	2°♑46'09	
evening set	-2453 Jan 04 j 14:17	10°♑16'30	
conjunction	-2453 Jan 21 j 16:39	12°♑25'02	-1°06'19
minimum elong	-2453 Jan 21 j 16:36	12°♑25'01	1°06'23
max. Earth dist.	-2453 Jan 21 j 10:00	12°♑22'56	10.40549 AU
morning rise	-2453 Feb 07 j 23:47	14°♑35'09	
retrograde	-2453 May 25 j 14:17	22°♑35'11	
opposition	-2453 Aug 03 j 07:00	19°♑07'41	-1°39'45
min. Earth dist.	-2453 Aug 03 j 11:06	19°♑06'53	8.33620 AU
direct	-2453 Oct 09 j 14:08	15°♑45'08	
evening set	-2452 Jan 18 j 00:15	23°♑25'38	
conjunction	-2452 Feb 04 j 06:11	25°♑37'09	-1°33'05
minimum elong	-2452 Feb 04 j 06:08	25°♑37'08	1°33'08
max. Earth dist.	-2452 Feb 04 j 02:44	25°♑36'02	10.26955 AU
morning rise	-2452 Feb 21 j 17:04	27°♑50'18	
	-2452 Mar 10 j 11:54	0°♒	
retrograde	-2452 Jun 07 j 23:58	6°♒01'44	
opposition	-2452 Aug 16 j 03:44	2°♒32'54	-2°10'49
min. Earth dist.	-2452 Aug 16 j 04:47	2°♒32'41	8.20616 AU
	-2452 Sep 21 j 04:10	30°℞♑	
direct	-2452 Oct 21 j 22:07	29°♑09'08	
	-2452 Nov 21 j 04:29	0°♒	
evening set	-2451 Jan 30 j 23:06	7°♒00'07	
conjunction	-2451 Feb 17 j 08:38	9°♒14'31	-1°55'26
minimum elong	-2451 Feb 17 j 08:34	9°♒14'30	1°55'29
max. Earth dist.	-2451 Feb 17 j 08:20	9°♒14'25	10.14599 AU
morning rise	-2451 Mar 06 j 23:11	11°♒30'33	
	-2451 Apr 05 j 02:14	15°♒	
retrograde	-2451 Jun 22 j 17:17	19°♒51'59	
opposition	-2451 Aug 30 j 07:20	16°♒22'03	-2°35'21
min. Earth dist.	-2451 Aug 30 j 05:37	16°♒22'24	8.09233 AU
	-2451 Sep 16 j 15:21	15°℞♒	
direct	-2451 Nov 04 j 14:58	12°♒57'02	
	-2451 Dec 22 j 03:15	15°♒	
evening set	-2450 Feb 14 j 10:13	20°♒58'06	
conjunction	-2450 Mar 03 j 23:32	23°♒15'10	-2°11'36
minimum elong	-2450 Mar 03 j 23:29	23°♒15'09	2°11'38
max. Earth dist.	-2450 Mar 04 j 02:20	23°♒16'05	10.04229 AU
morning rise	-2450 Mar 21 j 17:41	25°♒33'47	
	-2450 Apr 28 j 05:58	0°♓	
retrograde	-2450 Jul 07 j 16:17	4°♓02'50	
opposition	-2450 Sep 13 j 16:33	0°♓32'08	-2°51'10
min. Earth dist.	-2450 Sep 13 j 12:35	0°♓32'57	8.00162 AU
	-2450 Sep 20 j 05:26	30°℞♒	
direct	-2450 Nov 18 j 16:56	27°♒05'50	
	-2449 Jan 14 j 16:34	0°♓	
evening set	-2449 Mar 01 j 08:04	5°♓15'47	
conjunction	-2449 Mar 19 j 01:18	7°♓35'09	-2°20'03
minimum elong	-2449 Mar 19 j 01:18	7°♓35'09	2°20'04
max. Earth dist.	-2449 Mar 19 j 07:13	7°♓37'06	9.96475 AU
morning rise	-2449 Apr 05 j 22:51	9°♓55'53	
retrograde	-2449 Jul 22 j 17:53	18°♓29'19	

Attention, astronomical year style is used: The year -2449 in astronomical counting style is the year 2450 BCE in historical counting style.

opposition	-2449 Sep 28 j 05:37	14°♓58'12	-2°56'33
min. Earth dist.	-2449 Sep 27 j 23:47	14°♓59'25	7.93922 AU
direct	-2449 Dec 03 j 03:14	11°♓30'43	
evening set	-2448 Mar 15 j 14:14	19°♓47'38	
conjunction	-2448 Apr 02 j 11:20	22°♓08'48	-2°19'46
minimum elong	-2448 Apr 02 j 11:21	22°♓08'48	2°19'46
max. Earth dist.	-2448 Apr 02 j 20:06	22°♓11'42	9.91761 AU
morning rise	-2448 Apr 20 j 11:47	24°♓31'01	
	-2448 Jun 06 j 20:44	0°♈	
retrograde	-2448 Aug 05 j 19:11	3°♈05'11	
	-2448 Oct 06 j 15:57	30°℞♓	
opposition	-2448 Oct 11 j 20:19	29°♓34'07	-2°50'37
min. Earth dist.	-2448 Oct 11 j 12:42	29°♓35'43	7.90831 AU
direct	-2448 Dec 16 j 19:57	26°♓05'39	
	-2447 Feb 21 j 21:04	0°♈	
evening set	-2447 Mar 31 j 01:35	4°♈27'06	
conjunction	-2447 Apr 18 j 02:11	6°♈49'26	-2°10'30
minimum elong	-2447 Apr 18 j 02:14	6°♈49'27	2°10'29
max. Earth dist.	-2447 Apr 18 j 13:27	6°♈53'10	9.90350 AU
morning rise	-2447 May 06 j 04:53	9°♈12'24	
retrograde	-2447 Aug 20 j 17:26	17°♈43'39	
opposition	-2447 Oct 26 j 10:47	14°♈13'06	-2°33'33
min. Earth dist.	-2447 Oct 26 j 01:24	14°♈15'03	7.91110 AU
direct	-2447 Dec 31 j 15:51	10°♈43'54	
evening set	-2446 Apr 15 j 14:44	19°♈07'02	
conjunction	-2446 May 03 j 18:05	21°♈29'43	-1°52'48
minimum elong	-2446 May 03 j 18:09	21°♈29'45	1°52'46
max. Earth dist.	-2446 May 04 j 07:30	21°♈34'09	9.92420 AU
morning rise	-2446 May 21 j 22:04	23°♈52'35	
	-2446 Jul 15 j 18:47	0°♉	
retrograde	-2446 Sep 04 j 10:32	2°♉17'24	
	-2446 Oct 26 j 05:00	30°℞♈	
opposition	-2446 Nov 09 j 22:49	28°♈47'44	-2°06'38
min. Earth dist.	-2446 Nov 09 j 11:58	28°♈49'59	7.94857 AU
direct	-2445 Jan 15 j 12:26	25°♈18'06	
	-2445 Mar 31 j 18:48	0°♉	
evening set	-2445 May 01 j 02:16	3°♉39'52	
conjunction	-2445 May 19 j 07:04	6°♉01'59	-1°28'03
minimum elong	-2445 May 19 j 07:08	6°♉02'00	1°28'00
max. Earth dist.	-2445 May 19 j 21:55	6°♉06'51	9.97924 AU
morning rise	-2445 Jun 06 j 10:58	8°♉23'47	
	-2445 Aug 07 j 04:45	15°♉	
retrograde	-2445 Sep 18 j 20:47	16°♉39'13	
	-2445 Nov 01 j 03:11	15°℞♉	
opposition	-2445 Nov 24 j 06:18	13°♉10'47	-1°32'06
min. Earth dist.	-2445 Nov 23 j 18:48	13°♉13'10	8.01894 AU
direct	-2444 Jan 30 j 07:42	9°♉41'01	
	-2444 Apr 20 j 19:53	15°♉	
evening set	-2444 May 15 j 08:31	17°♉58'38	
conjunction	-2444 Jun 02 j 13:10	20°♉19'13	-0°58'13
minimum elong	-2444 Jun 02 j 13:13	20°♉19'14	0°58'10
max. Earth dist.	-2444 Jun 03 j 04:22	20°♉24'09	10.06527 AU
morning rise	-2444 Jun 20 j 15:32	22°♉39'03	
	-2444 Sep 04 j 01:11	0°♊	
retrograde	-2444 Oct 01 j 22:05	0°♊43'12	
	-2444 Oct 29 j 21:29	30°℞♉	
opposition	-2444 Dec 07 j 07:51	27°♉16'14	-0°52'41
min. Earth dist.	-2444 Dec 06 j 20:45	27°♉18'31	8.11781 AU
direct	-2443 Feb 12 j 23:23	23°♉46'38	
	-2443 May 14 j 04:18	0°♊	
evening set	-2443 May 30 j 06:23	1°♊57'48	

conjunction	-2443 Jun 17 j 09:14	4°♊16'02	-0°25'34
minimum elong	-2443 Jun 17 j 09:15	4°♊16'02	0°25'30
max. Earth dist.	-2443 Jun 17 j 23:27	4°♊20'35	10.17660 AU
morning rise	-2443 Jul 05 j 08:42	6°♊33'11	
retrograde	-2443 Oct 15 j 12:30	14°♊25'06	
opposition	-2443 Dec 21 j 02:10	10°♊59'46	-0°11'18
min. Earth dist.	-2443 Dec 20 j 16:12	11°♊01'48	8.23874 AU
direct	-2442 Feb 27 j 10:24	7°♊30'39	
asc. node	-2442 Apr 03 j 17:30	8°♊35'04	
evening set	-2442 Jun 13 j 18:10	15°♊33'46	
conjunction	-2442 Jul 01 j 17:42	17°♊49'01	0°07'48
minimum elong	-2442 Jul 01 j 17:41	17°♊49'01	0°07'53
behind sun begin	-2442 Jul 01 j 11:10	17°♊46'59	
behind sun end	-2442 Jul 02 j 00:13	17°♊51'03	
max. Earth dist.	-2442 Jul 02 j 05:47	17°♊52'49	10.30602 AU
morning rise	-2442 Jul 19 j 13:04	20°♊02'56	
retrograde	-2442 Oct 28 j 15:01	27°♊42'37	
opposition	-2441 Jan 03 j 12:37	24°♊19'00	0°29'23
min. Earth dist.	-2441 Jan 03 j 04:04	24°♊20'43	8.37423 AU
direct	-2441 Mar 13 j 14:02	20°♊50'36	
evening set	-2441 Jun 27 j 18:22	28°♊44'45	
	-2441 Jul 07 j 23:11	0°♋	
conjunction	-2441 Jul 15 j 13:27	0°♋56'39	0°39'45
minimum elong	-2441 Jul 15 j 13:25	0°♋56'38	0°39'50
max. Earth dist.	-2441 Jul 15 j 22:59	0°♋59'36	10.44582 AU
morning rise	-2441 Aug 02 j 03:51	3°♋07'02	
retrograde	-2441 Nov 10 j 09:22	10°♋35'15	
opposition	-2440 Jan 16 j 15:24	7°♋13'14	1°07'13
min. Earth dist.	-2440 Jan 16 j 07:59	7°♋14'42	8.51656 AU
direct	-2440 Mar 26 j 08:26	3°♋45'50	
evening set	-2440 Jul 10 j 06:19	11°♋30'34	
conjunction	-2440 Jul 27 j 20:17	13°♋39'00	1°08'52
minimum elong	-2440 Jul 27 j 20:14	13°♋38'59	1°08'56
max. Earth dist.	-2440 Jul 28 j 03:41	13°♋41'16	10.58846 AU
morning rise	-2440 Aug 14 j 05:11	15°♋45'52	
retrograde	-2440 Nov 21 j 19:08	23°♋03'45	
opposition	-2439 Jan 28 j 10:46	19°♋43'15	1°40'34
min. Earth dist.	-2439 Jan 28 j 04:50	19°♋44'24	8.65835 AU
direct	-2439 Apr 08 j 17:34	16°♋16'59	
evening set	-2439 Jul 23 j 06:35	23°♋52'28	
conjunction	-2439 Aug 09 j 15:11	25°♋57'32	1°33'58
minimum elong	-2439 Aug 09 j 15:08	25°♋57'31	1°34'01
max. Earth dist.	-2439 Aug 09 j 20:37	25°♋59'10	10.72696 AU
morning rise	-2439 Aug 26 j 18:29	28°♋01'03	
	-2439 Sep 13 j 01:37	0°♌	
retrograde	-2439 Dec 03 j 21:18	5°♌10'03	
opposition	-2438 Feb 09 j 23:19	1°♌50'54	2°08'18
min. Earth dist.	-2438 Feb 09 j 19:51	1°♌51'34	8.79302 AU
	-2438 Mar 07 j 11:33	30°℞♋	
direct	-2438 Apr 21 j 18:22	28°♋25'51	
	-2438 Jun 05 j 08:32	0°♌	
evening set	-2438 Aug 04 j 19:55	5°♌52'39	
conjunction	-2438 Aug 21 j 23:08	7°♌54'37	1°54'17
minimum elong	-2438 Aug 21 j 23:05	7°♌54'36	1°54'19
max. Earth dist.	-2438 Aug 22 j 01:41	7°♌55'23	10.85525 AU
morning rise	-2438 Sep 07 j 21:14	9°♌55'07	
	-2438 Oct 28 j 07:19	15°♌	
retrograde	-2438 Dec 15 j 17:22	16°♌56'50	
	-2437 Feb 03 j 20:37	15°℞♌	
opposition	-2437 Feb 22 j 06:20	13°♌38'52	2°29'46
min. Earth dist.	-2437 Feb 22 j 05:47	13°♌38'58	8.91489 AU
direct	-2437 May 04 j 10:03	10°♌15'06	

Attention, astronomical year style is used: The year -2437 in astronomical counting style is the year 2438 BCE in historical counting style.

	-2437 Jul 24 j 17:56	15°♌	
evening set	-2437 Aug 16 j 23:10	17°♌33'57	
conjunction	-2437 Sep 02 j 21:21	19°♌33'14	2°09'21
minimum elong	-2437 Sep 02 j 21:18	19°♌33'13	2°09'23
max. Earth dist.	-2437 Sep 02 j 20:18	19°♌32'55	10.96830 AU
morning rise	-2437 Sep 19 j 15:04	21°♌31'12	
retrograde	-2437 Dec 27 j 07:06	28°♌27'19	
opposition	-2436 Mar 05 j 08:34	25°♌10'16	2°44'37
min. Earth dist.	-2436 Mar 05 j 10:13	25°♌09'57	9.01928 AU
direct	-2436 May 15 j 19:40	21°♌47'47	
evening set	-2436 Aug 27 j 17:50	28°♌59'40	
	-2436 Sep 05 j 10:09	0°♍	
conjunction	-2436 Sep 13 j 11:49	0°♍56'44	2°18'57
minimum elong	-2436 Sep 13 j 11:48	0°♍56'44	2°18'59
max. Earth dist.	-2436 Sep 13 j 08:07	0°♍55'39	11.06200 AU
morning rise	-2436 Sep 30 j 01:56	2°♍52'42	
retrograde	-2435 Jan 06 j 19:57	9°♍44'54	
opposition	-2435 Mar 17 j 06:58	6°♍28'30	2°52'46
min. Earth dist.	-2435 Mar 17 j 10:15	6°♍27'54	9.10233 AU
direct	-2435 May 27 j 23:36	3°♍07'15	
evening set	-2435 Sep 08 j 05:23	10°♍13'16	
conjunction	-2435 Sep 24 j 20:10	12°♍08'42	2°23'03
minimum elong	-2435 Sep 24 j 20:10	12°♍08'42	2°23'05
max. Earth dist.	-2435 Sep 24 j 14:49	12°♍07'08	11.13296 AU
morning rise	-2435 Oct 11 j 07:29	14°♍03'12	
retrograde	-2434 Jan 18 j 06:28	20°♍53'09	
opposition	-2434 Mar 29 j 03:06	17°♍37'09	2°54'16
min. Earth dist.	-2434 Mar 29 j 08:16	17°♍36'12	9.16111 AU
direct	-2434 Jun 08 j 20:03	14°♍17'00	
evening set	-2434 Sep 19 j 11:37	21°♍18'21	
conjunction	-2434 Oct 05 j 23:56	23°♍12'41	2°21'42
minimum elong	-2434 Oct 05 j 23:57	23°♍12'41	2°21'43
max. Earth dist.	-2434 Oct 05 j 16:32	23°♍10'32	11.17875 AU
morning rise	-2434 Oct 22 j 09:32	25°♍06'19	
	-2434 Dec 11 j 07:53	0°♎	
retrograde	-2433 Jan 29 j 16:48	1°♎55'41	
	-2433 Mar 22 j 01:59	30°℞♍	
opposition	-2433 Apr 09 j 22:08	28°♍39'47	2°49'21
min. Earth dist.	-2433 Apr 10 j 05:52	28°♍38'22	9.19377 AU
direct	-2433 Jun 20 j 13:40	25°♍20'33	
	-2433 Sep 09 j 08:56	0°♎	
evening set	-2433 Sep 30 j 14:14	2°♎18'32	
conjunction	-2433 Oct 17 j 00:56	4°♎12'20	2°15'08
minimum elong	-2433 Oct 17 j 00:58	4°♎12'21	2°15'07
max. Earth dist.	-2433 Oct 16 j 14:48	4°♎09'23	11.19806 AU
morning rise	-2433 Nov 02 j 10:01	6°♎05'42	
retrograde	-2432 Feb 10 j 03:10	12°♎56'05	
opposition	-2432 Apr 20 j 16:59	9°♎39'58	2°38'15
min. Earth dist.	-2432 Apr 21 j 02:31	9°♎38'13	9.19937 AU
direct	-2432 Jul 01 j 04:22	6°♎21'28	
evening set	-2432 Oct 10 j 14:46	13°♎17'25	
conjunction	-2432 Oct 27 j 01:00	15°♎11'15	2°03'35
minimum elong	-2432 Oct 27 j 01:02	15°♎11'15	2°03'33
max. Earth dist.	-2432 Oct 26 j 13:32	15°♎07'55	11.19026 AU
morning rise	-2432 Nov 12 j 10:25	17°♎04'54	
retrograde	-2431 Feb 20 j 17:29	23°♎57'58	
opposition	-2431 May 02 j 12:50	20°♎41'17	2°21'20
min. Earth dist.	-2431 May 02 j 23:01	20°♎39'26	9.17753 AU
direct	-2431 Jul 12 j 19:29	17°♎23'17	
evening set	-2431 Oct 21 j 15:15	24°♎18'39	

conjunction	-2431 Nov 07 j 01:51	26°♎13'03	1°47'24
minimum elong	-2431 Nov 07 j 01:54	26°♎13'03	1°47'22
max. Earth dist.	-2431 Nov 06 j 14:06	26°♎09'36	11.15528 AU
morning rise	-2431 Nov 23 j 12:19	28°♎07'30	
	-2431 Dec 10 j 10:35	0°♏	
retrograde	-2430 Mar 04 j 12:47	5°♏04'49	
opposition	-2430 May 14 j 10:54	1°♏47'21	1°59'05
min. Earth dist.	-2430 May 14 j 21:36	1°♏45'24	9.12875 AU
	-2430 Jun 09 j 07:27	30°℞♎	
direct	-2430 Jul 24 j 08:50	28°♎29'37	
	-2430 Sep 05 j 22:49	0°♏	
evening set	-2430 Nov 01 j 17:34	5°♏25'51	
conjunction	-2430 Nov 18 j 05:10	7°♏21'18	1°27'02
minimum elong	-2430 Nov 18 j 05:12	7°♏21'18	1°27'00
max. Earth dist.	-2430 Nov 17 j 16:07	7°♏17'28	11.09407 AU
morning rise	-2430 Dec 04 j 17:36	9°♏17'05	
	-2429 Feb 03 j 07:29	15°♏	
retrograde	-2429 Mar 16 j 11:38	16°♏20'16	
	-2429 Apr 27 j 18:26	15°℞♏	
opposition	-2429 May 26 j 12:30	13°♏01'44	1°32'00
min. Earth dist.	-2429 May 27 j 00:15	12°♏59'34	9.05439 AU
direct	-2429 Aug 04 j 22:48	9°♏43'56	
	-2429 Oct 28 j 19:06	15°♏	
evening set	-2429 Nov 12 j 23:25	16°♏42'39	
conjunction	-2429 Nov 29 j 12:39	18°♏39'38	1°03'02
minimum elong	-2429 Nov 29 j 12:41	18°♏39'38	1°02'59
max. Earth dist.	-2429 Nov 28 j 22:21	18°♏35'23	11.00814 AU
morning rise	-2429 Dec 16 j 03:51	20°♏37'14	
retrograde	-2428 Mar 27 j 17:55	27°♏47'53	
opposition	-2428 Jun 06 j 18:29	24°♏28'02	1°00'48
min. Earth dist.	-2428 Jun 07 j 06:58	24°♏25'43	8.95625 AU
direct	-2428 Aug 15 j 17:38	21°♏09'54	
evening set	-2428 Nov 23 j 10:52	28°♏12'48	
	-2428 Dec 08 j 11:13	0°♐	
conjunction	-2428 Dec 10 j 02:24	0°♐11'46	0°36'03
minimum elong	-2428 Dec 10 j 02:26	0°♐11'46	0°36'00
max. Earth dist.	-2428 Dec 09 j 12:20	0°♐07'33	10.89964 AU
morning rise	-2428 Dec 26 j 20:40	2°♐11'37	
retrograde	-2427 Apr 09 j 07:49	9°♐31'19	
opposition	-2427 Jun 19 j 05:49	6°♐09'57	0°26'20
min. Earth dist.	-2427 Jun 19 j 17:39	6°♐07'44	8.83741 AU
direct	-2427 Aug 27 j 15:38	2°♐51'15	
evening set	-2427 Dec 05 j 05:46	10°♐00'02	
max. Earth dist.	-2427 Dec 21 j 11:16	11°♐57'29	10.77255 AU
conjunction	-2427 Dec 22 j 00:07	12°♐01'23	0°07'00
minimum elong	-2427 Dec 22 j 00:07	12°♐01'23	0°06'56
behind sun begin	-2427 Dec 21 j 17:35	11°♐59'25	
behind sun end	-2427 Dec 22 j 06:38	12°♐03'21	
morning rise	-2426 Jan 07 j 21:44	14°♐03'50	
desc. node	-2426 Mar 19 j 11:13	20°♐38'11	
retrograde	-2426 Apr 22 j 07:38	21°♐34'00	
opposition	-2426 Jul 01 j 23:52	18°♐10'58	-0°10'17
min. Earth dist.	-2426 Jul 02 j 10:02	18°♐09'02	8.70291 AU
direct	-2426 Sep 08 j 19:45	14°♐51'27	
evening set	-2426 Dec 17 j 09:57	22°♐07'38	
conjunction	-2425 Jan 03 j 07:17	24°♐11'41	-0°23'13
minimum elong	-2425 Jan 03 j 07:15	24°♐11'40	0°23'17
max. Earth dist.	-2425 Jan 02 j 19:34	24°♐08'05	10.63264 AU
morning rise	-2425 Jan 20 j 08:39	26°♐17'02	
	-2425 Feb 22 j 12:02	0°♑	
retrograde	-2425 May 05 j 18:05	3°♑58'40	
opposition	-2425 Jul 15 j 01:12	0°♑33'52	-0°47'37

Attention, astronomical year style is used: The year -2425 in astronomical counting style is the year 2426 BCE in historical counting style.

min. Earth dist.	-2425 Jul 15 j 09:43	0°♑32'14	8.55900 AU	
	-2425 Jul 22 j 09:51	30°℞♐		
direct	-2425 Sep 21 j 05:08	27°♐13'16		
	-2425 Nov 17 j 15:37	0°♑		
evening set	-2425 Dec 30 j 01:11	4°♑38'18		
conjunction	-2424 Jan 16 j 01:42	6°♑45'13	-0°53'07	
minimum elong	-2424 Jan 16 j 01:39	6°♑45'12	0°53'10	
max. Earth dist.	-2424 Jan 15 j 15:13	6°♑41'56	10.48644 AU	
morning rise	-2424 Feb 02 j 07:00	8°♑53'40		
retrograde	-2424 May 18 j 12:32	16°♑47'16		
opposition	-2424 Jul 27 j 10:02	13°♑20'43	-1°23'55	
min. Earth dist.	-2424 Jul 27 j 17:00	13°♑19'22	8.41260 AU	
direct	-2424 Oct 02 j 23:19	9°♑58'49		
evening set	-2423 Jan 11 j 04:26	17°♑33'51		
conjunction	-2423 Jan 28 j 08:25	19°♑43'46	-1°21'12	
minimum elong	-2423 Jan 28 j 08:22	19°♑43'45	1°21'16	
max. Earth dist.	-2423 Jan 28 j 00:35	19°♑41'17	10.34112 AU	
morning rise	-2423 Feb 14 j 17:34	21°♑55'20		
	-2423 May 28 j 14:15	0°♒		
retrograde	-2423 Jun 01 j 15:59	0°♒00'51		
	-2423 Jun 05 j 18:03	30°℞♑		
opposition	-2423 Aug 10 j 02:42	26°♑32'40	-1°57'08	
min. Earth dist.	-2423 Aug 10 j 07:26	26°♑31'43	8.27111 AU	
direct	-2423 Oct 16 j 03:42	23°♑09'22		
	-2422 Jan 17 j 11:55	0°♒		
evening set	-2422 Jan 24 j 20:17	0°♒54'57		
conjunction	-2422 Feb 11 j 03:59	3°♒07'55	-1°45'46	
minimum elong	-2422 Feb 11 j 03:56	3°♒07'53	1°45'49	
max. Earth dist.	-2422 Feb 10 j 23:58	3°♒06'37	10.20429 AU	
morning rise	-2422 Feb 28 j 16:51	5°♒22'32		
retrograde	-2422 Jun 16 j 04:30	13°♒39'08		
opposition	-2422 Aug 24 j 02:41	10°♒09'28	-2°24'58	
min. Earth dist.	-2422 Aug 24 j 04:21	10°♒09'08	8.14216 AU	
direct	-2422 Oct 29 j 16:35	6°♒44'44		
evening set	-2421 Feb 08 j 01:05	14°♒40'56		
	-2421 Feb 10 j 12:39	15°♒		
conjunction	-2421 Feb 25 j 12:42	16°♒56'47	-2°05'00	
minimum elong	-2421 Feb 25 j 12:39	16°♒56'46	2°05'02	
max. Earth dist.	-2421 Feb 25 j 12:49	16°♒56'50	10.08370 AU	
morning rise	-2421 Mar 15 j 05:09	19°♒14'14		
retrograde	-2421 Jul 01 j 01:01	27°♒40'02		
opposition	-2421 Sep 07 j 08:55	24°♒09'15	-2°45'06	
min. Earth dist.	-2421 Sep 07 j 07:17	24°♒09'35	8.03322 AU	
direct	-2421 Nov 12 j 13:37	20°♒43'05		
evening set	-2420 Feb 22 j 17:46	28°♒49'11		
	-2420 Mar 02 j 19:30	0°♓		
conjunction	-2420 Mar 11 j 09:21	1°♓07'38	-2°17'12	
minimum elong	-2420 Mar 11 j 09:19	1°♓07'38	2°17'13	
max. Earth dist.	-2420 Mar 11 j 13:27	1°♓09'00	9.98671 AU	
morning rise	-2420 Mar 29 j 05:13	3°♓27'32		
retrograde	-2420 Jul 15 j 02:03	11°♓59'45		
opposition	-2420 Sep 20 j 20:15	8°♓28'14	-2°55'33	
min. Earth dist.	-2420 Sep 20 j 15:28	8°♓29'13	7.95101 AU	
direct	-2420 Nov 25 j 19:31	5°♓00'45		
evening set	-2419 Mar 08 j 20:11	13°♓15'10		
conjunction	-2419 Mar 26 j 15:39	15°♓35'46	-2°21'05	
minimum elong	-2419 Mar 26 j 15:39	15°♓35'46	2°21'06	
max. Earth dist.	-2419 Mar 26 j 23:16	15°♓38'17	9.91968 AU	
morning rise	-2419 Apr 13 j 14:42	17°♓57'34		
retrograde	-2419 Jul 30 j 04:36	26°♓32'39		
opposition	-2419 Oct 05 j 10:44	23°♓00'52	-2°54'58	
min. Earth dist.	-2419 Oct 05 j 03:30	23°♓02'23	7.90103 AU	
direct	-2419 Dec 10 j 08:46	19°♓32'14		
evening set	-2418 Mar 24 j 05:45	27°♓52'37		
	-2418 Apr 09 j 08:26	0°♈		
conjunction	-2418 Apr 11 j 04:53	0°♈14'45	-2°16'00	
minimum elong	-2418 Apr 11 j 04:55	0°♈14'46	2°15'59	
max. Earth dist.	-2418 Apr 11 j 15:23	0°♈18'14	9.88731 AU	
morning rise	-2418 Apr 29 j 06:39	2°♈37'43		
retrograde	-2418 Aug 14 j 05:35	11°♈11'42		
opposition	-2418 Oct 20 j 01:57	7°♈40'10	-2°43'00	
min. Earth dist.	-2418 Oct 19 j 17:03	7°♈42'02	7.88681 AU	
direct	-2418 Dec 25 j 03:10	4°♈10'37		
evening set	-2417 Apr 08 j 18:58	12°♈34'05		
conjunction	-2417 Apr 26 j 21:11	14°♈56'58	-2°02'05	
minimum elong	-2417 Apr 26 j 21:14	14°♈56'59	2°02'03	
max. Earth dist.	-2417 Apr 27 j 09:52	15°♈01'10	9.89190 AU	
morning rise	-2417 May 15 j 00:50	17°♈20'15		
retrograde	-2417 Aug 29 j 01:56	25°♈49'14		
opposition	-2417 Nov 03 j 15:50	22°♈18'26	-2°20'24	
min. Earth dist.	-2417 Nov 03 j 05:42	22°♈20'34	7.90939 AU	
direct	-2416 Jan 09 j 00:19	18°♈48'20		
evening set	-2416 Apr 23 j 07:57	27°♈11'44		
conjunction	-2416 May 11 j 12:09	29°♈34'26	-1°40'22	
minimum elong	-2416 May 11 j 12:13	29°♈34'28	1°40'20	
max. Earth dist.	-2416 May 12 j 02:20	29°♈39'06	9.93311 AU	
	-2416 May 14 j 17:48	0°♉		
morning rise	-2416 May 29 j 16:28	1°♉57'05		
retrograde	-2416 Sep 11 j 15:34	10°♉17'49		
opposition	-2416 Nov 17 j 02:00	6°♉48'12	-1°49'02	
min. Earth dist.	-2416 Nov 16 j 14:58	6°♉50'30	7.96730 AU	
direct	-2415 Jan 22 j 21:44	3°♉17'54		
evening set	-2415 May 08 j 17:09	11°♉38'18		
conjunction	-2415 May 26 j 22:01	13°♉59'52	-1°12'36	
minimum elong	-2415 May 26 j 22:05	13°♉59'53	1°12'33	
max. Earth dist.	-2415 May 27 j 12:55	14°♉04'44	10.00813 AU	
	-2415 Jun 03 j 14:33	15°♉		
morning rise	-2415 Jun 14 j 01:33	16°♉20'56		
retrograde	-2415 Sep 25 j 20:28	24°♉31'02		
opposition	-2415 Dec 01 j 06:39	21°♉02'55	-1°11'26	
min. Earth dist.	-2415 Nov 30 j 18:53	21°♉05'21	8.05669 AU	
direct	-2414 Feb 06 j 16:25	17°♉32'50		
evening set	-2414 May 23 j 19:32	25°♉47'42		
conjunction	-2414 Jun 10 j 23:30	28°♉07'16	-0°40'55	
minimum elong	-2414 Jun 10 j 23:32	28°♉07'17	0°40'51	
max. Earth dist.	-2414 Jun 11 j 14:33	28°♉12'08	10.11182 AU	
	-2414 Jun 25 j 14:50	0°♊		
morning rise	-2414 Jun 29 j 00:44	0°♊25'55		
retrograde	-2414 Oct 09 j 15:43	8°♊24'03		
opposition	-2414 Dec 15 j 04:39	4°♊57'42	-0°30'32	
min. Earth dist.	-2414 Dec 14 j 16:47	5°♊00'08	8.17163 AU	
direct	-2413 Feb 21 j 06:04	1°♊28'09		
evening set	-2413 Jun 07 j 12:40	9°♊35'37		
conjunction	-2413 Jun 25 j 14:05	11°♊52'26	-0°07'38	
minimum elong	-2413 Jun 25 j 14:05	11°♊52'27	0°07'33	
behind sun begin	-2413 Jun 25 j 07:28	11°♊50'22		
behind sun end	-2413 Jun 25 j 20:42	11°♊54'31		
max. Earth dist.	-2413 Jun 26 j 04:38	11°♊57'03	10.23733 AU	
morning rise	-2413 Jul 13 j 11:34	14°♊08'01		
asc. node	-2413 Sep 19 j 16:06	20°♊52'59		
retrograde	-2413 Oct 23 j 01:23	21°♊53'50		
opposition	-2413 Dec 28 j 19:12	18°♊29'21	0°10'52	

Attention, astronomical year style is used: The year -2413 in astronomical counting style is the year 2414 BCE in historical counting style.

min. Earth dist.	-2413 Dec 28 j 08:14	18°♊31'33	8.30497 AU
direct	-2412 Mar 06 j 11:57	15°♊00'39	
evening set	-2412 Jun 20 j 18:53	22°♊59'25	
conjunction	-2412 Jul 08 j 16:20	25°♊13'01	0°25'19
minimum elong	-2412 Jul 08 j 16:19	25°♊13'01	0°25'23
max. Earth dist.	-2412 Jul 09 j 05:21	25°♊17'05	10.37712 AU
morning rise	-2412 Jul 26 j 09:03	27°♊25'08	
	-2412 Aug 17 j 08:02	0°♋	
retrograde	-2412 Nov 04 j 01:54	4°♋58'59	
opposition	-2411 Jan 10 j 02:06	1°♋36'23	0°50'19
min. Earth dist.	-2411 Jan 09 j 17:02	1°♋38'11	8.44904 AU
	-2411 Jan 31 j 03:40	30℞♊	
direct	-2411 Mar 20 j 09:43	28°♊08'44	
	-2411 May 07 j 02:24	0°♋	
evening set	-2411 Jul 04 j 13:12	5°♋58'11	
conjunction	-2411 Jul 22 j 05:43	8°♋08'19	0°55'58
minimum elong	-2411 Jul 22 j 05:41	8°♋08'18	0°56'02
max. Earth dist.	-2411 Jul 22 j 16:02	8°♋11'30	10.52334 AU
morning rise	-2411 Aug 08 j 17:09	10°♋16'52	
retrograde	-2411 Nov 16 j 15:23	17°♋39'41	
opposition	-2410 Jan 23 j 01:25	14°♋18'50	1°25'56
min. Earth dist.	-2410 Jan 22 j 18:45	14°♋20'08	8.59595 AU
direct	-2410 Apr 03 j 00:13	10°♋52'23	
evening set	-2410 Jul 17 j 19:42	18°♋32'26	
conjunction	-2410 Aug 04 j 06:42	20°♋39'03	1°23'03
minimum elong	-2410 Aug 04 j 06:39	20°♋39'02	1°23'06
max. Earth dist.	-2410 Aug 04 j 13:17	20°♋41'03	10.66832 AU
morning rise	-2410 Aug 21 j 12:38	22°♋44'07	
retrograde	-2410 Nov 28 j 20:19	29°♋57'14	
opposition	-2409 Feb 04 j 17:34	26°♋37'57	1°56'21
min. Earth dist.	-2409 Feb 04 j 12:55	26°♋38'50	8.73815 AU
direct	-2409 Apr 16 j 06:45	23°♋12'47	
	-2409 Jul 24 j 08:21	0°♌	
evening set	-2409 Jul 30 j 14:33	0°♌43'43	
conjunction	-2409 Aug 16 j 20:06	2°♌47'03	1°45'38
minimum elong	-2409 Aug 16 j 20:02	2°♌47'02	1°45'41
max. Earth dist.	-2409 Aug 16 j 23:36	2°♌48'06	10.80498 AU
morning rise	-2409 Sep 02 j 20:40	4°♌48'54	
retrograde	-2409 Dec 10 j 20:02	11°♌53'54	
opposition	-2408 Feb 17 j 03:28	8°♌35'53	2°20'44
min. Earth dist.	-2408 Feb 17 j 00:49	8°♌36'23	8.86874 AU
direct	-2408 Apr 28 j 03:00	5°♌12'03	
evening set	-2408 Aug 10 j 22:34	12°♌34'31	
conjunction	-2408 Aug 27 j 23:05	14°♌34'58	2°03'08
minimum elong	-2408 Aug 27 j 23:02	14°♌34'58	2°03'10
max. Earth dist.	-2408 Aug 27 j 24:00	14°♌35'15	10.92678 AU
	-2408 Aug 31 j 11:19	15°♌	
morning rise	-2408 Sep 13 j 18:44	16°♌34'01	
retrograde	-2408 Dec 21 j 13:28	23°♌32'38	
opposition	-2407 Feb 28 j 08:03	20°♌15'39	2°38'36
min. Earth dist.	-2407 Feb 28 j 08:09	20°♌15'38	8.98161 AU
direct	-2407 May 10 j 15:46	16°♌53'05	
evening set	-2407 Aug 22 j 21:31	24°♌08'09	
conjunction	-2407 Sep 08 j 17:29	26°♌06'11	2°15'13
minimum elong	-2407 Sep 08 j 17:27	26°♌06'10	2°15'15
max. Earth dist.	-2407 Sep 08 j 15:20	26°♌05'33	11.02852 AU
morning rise	-2407 Sep 25 j 09:01	28°♌02'59	
	-2407 Oct 12 j 20:59	0°♍	
retrograde	-2406 Jan 02 j 04:03	4°♍56'57	
opposition	-2406 Mar 12 j 08:28	1°♍40'44	2°49'47
min. Earth dist.	-2406 Mar 12 j 11:58	1°♍40'05	9.07257 AU
	-2406 Apr 05 j 01:00	30°℞♌	
direct	-2406 May 22 j 21:32	28°♌19'20	
	-2406 Jul 08 j 15:04	0°♍	
evening set	-2406 Sep 03 j 12:47	5°♍28'08	
conjunction	-2406 Sep 20 j 04:52	7°♍24'17	2°21'47
minimum elong	-2406 Sep 20 j 04:51	7°♍24'17	2°21'49
max. Earth dist.	-2406 Sep 19 j 22:57	7°♍22'33	11.10716 AU
morning rise	-2406 Oct 06 j 17:21	9°♍19'25	
retrograde	-2405 Jan 13 j 13:34	16°♍10'26	
opposition	-2405 Mar 24 j 06:06	12°♍54'38	2°54'17
min. Earth dist.	-2405 Mar 24 j 12:10	12°♍53'31	9.13919 AU
direct	-2405 Jun 03 j 21:18	9°♍34'15	
evening set	-2405 Sep 14 j 21:38	16°♍37'55	
conjunction	-2405 Oct 01 j 10:52	18°♍32'44	2°22'52
minimum elong	-2405 Oct 01 j 10:52	18°♍32'44	2°22'53
max. Earth dist.	-2405 Oct 01 j 02:22	18°♍30'15	11.16076 AU
morning rise	-2405 Oct 17 j 21:17	20°♍26'45	
retrograde	-2404 Jan 25 j 00:24	27°♍16'33	
opposition	-2404 Apr 04 j 01:50	24°♍00'46	2°52'14
min. Earth dist.	-2404 Apr 04 j 09:18	23°♍59'24	9.17973 AU
direct	-2404 Jun 14 j 19:11	20°♍41'13	
evening set	-2404 Sep 25 j 01:59	27°♍40'57	
conjunction	-2404 Oct 11 j 13:28	29°♍35'01	2°18'37
minimum elong	-2404 Oct 11 j 13:29	29°♍35'01	2°18'37
max. Earth dist.	-2404 Oct 11 j 03:51	29°♍32'13	11.18785 AU
	-2404 Oct 15 j 03:26	0°♎	
morning rise	-2404 Oct 27 j 22:41	1°♎28'31	
retrograde	-2403 Feb 04 j 12:03	8°♎18'36	
opposition	-2403 Apr 15 j 20:42	5°♎02'33	2°43'53
min. Earth dist.	-2403 Apr 16 j 05:41	5°♎00'54	9.19310 AU
direct	-2403 Jun 26 j 11:00	1°♎43'39	
evening set	-2403 Oct 06 j 03:34	8°♎40'44	
conjunction	-2403 Oct 22 j 14:05	10°♎34'36	2°09'16
minimum elong	-2403 Oct 22 j 14:07	10°♎34'37	2°09'15
max. Earth dist.	-2403 Oct 22 j 02:40	10°♎31'17	11.18775 AU
morning rise	-2403 Nov 07 j 23:11	12°♎28'10	
retrograde	-2402 Feb 16 j 00:10	19°♎20'11	
opposition	-2402 Apr 27 j 16:17	16°♎03'34	2°29'33
min. Earth dist.	-2402 Apr 28 j 03:11	16°♎01'34	9.17912 AU
direct	-2402 Jul 08 j 01:00	12°♎45'02	
evening set	-2402 Oct 17 j 04:03	19°♎40'55	
conjunction	-2402 Nov 02 j 14:21	21°♎35'08	1°55'07
minimum elong	-2402 Nov 02 j 14:24	21°♎35'08	1°55'05
max. Earth dist.	-2402 Nov 02 j 00:56	21°♎31'13	11.16070 AU
morning rise	-2402 Nov 19 j 00:23	23°♎29'17	
	-2401 Feb 05 j 00:01	0°♏	
retrograde	-2401 Feb 27 j 15:52	0°♏24'53	
	-2401 Mar 22 j 14:51	30℞♎	
opposition	-2401 May 09 j 13:32	27°♎07'25	2°09'38
min. Earth dist.	-2401 May 10 j 01:47	27°♎05'10	9.13843 AU
direct	-2401 Jul 19 j 15:28	23°♎49'04	
	-2401 Oct 21 j 13:57	0°♏	
evening set	-2401 Oct 28 j 05:20	0°♏45'12	
conjunction	-2401 Nov 13 j 16:25	2°♏40'16	1°36'34
minimum elong	-2401 Nov 13 j 16:28	2°♏40'17	1°36'32
max. Earth dist.	-2401 Nov 13 j 02:31	2°♏36'11	11.10764 AU
morning rise	-2401 Nov 30 j 04:05	4°♏35'34	
retrograde	-2400 Mar 10 j 11:54	11°♏36'23	
opposition	-2400 May 20 j 13:19	8°♏17'47	1°44'37
min. Earth dist.	-2400 May 21 j 01:30	8°♏15'32	9.07238 AU
direct	-2400 Jul 30 j 06:11	4°♏59'24	

Attention, astronomical year style is used: The year -2400 in astronomical counting style is the year 2401 BCE in historical counting style.

evening set	-2400 Nov 07 j 09:20	11°♏57'23	
conjunction	-2400 Nov 23 j 21:59	13°♏53'49	1°14'06
minimum elong	-2400 Nov 23 j 22:02	13°♏53'49	1°14'04
max. Earth dist.	-2400 Nov 23 j 08:28	13°♏49'49	11.03016 AU
	-2400 Dec 03 j 06:07	15°♏	
morning rise	-2400 Dec 10 j 11:53	15°♏50'43	
retrograde	-2399 Mar 22 j 16:45	22°♏58'20	
opposition	-2399 Jun 01 j 17:10	19°♏38'28	1°15'09
min. Earth dist.	-2399 Jun 02 j 04:49	19°♏36'18	8.98300 AU
direct	-2399 Aug 10 j 23:19	16°♏19'52	
evening set	-2399 Nov 18 j 18:03	23°♏21'15	
conjunction	-2399 Dec 05 j 08:39	25°♏19'29	0°48'21
minimum elong	-2399 Dec 05 j 08:41	25°♏19'29	0°48'18
max. Earth dist.	-2399 Dec 04 j 19:02	25°♏15'24	10.93074 AU
morning rise	-2399 Dec 22 j 01:27	27°♏18'27	