Attention, astronomical year style is used: The year -5900 in astronomical counting style is the year 5901 BCE in historical counting style.

retrograde	-5900 Mar 12 j 10:18	23°♎36'39	
min. Earth dist.	-5900 May 28 j 11:37	21°♎40'18	18.95803 AU
opposition	-5900 May 29 j 16:57	21°♎37'22	0°10'41
direct	-5900 Aug 13 j 12:21	19°♎40'58	
evening set	-5900 Nov 11 j 01:29	22°♎40'30	
conjunction	-5900 Nov 26 j 18:18	23°♎34'31	0°07'55
minimum elong	-5900 Nov 26 j 18:18	23°♎34'31	0°07'48
behind sun begin	-5900 Nov 26 j 12:22	23°♎33'41	
behind sun end	-5900 Nov 27 j 00:13	23°♎35'21	
max. Earth dist.	-5900 Nov 28 j 01:04	23°♎38'57	20.97724 AU
morning rise	-5900 Dec 12 j 14:35	24°♎29'01	
retrograde	-5899 Mar 16 j 19:19	27°♎36'45	
min. Earth dist.	-5899 Jun 01 j 20:23	25°♎40'24	18.99625 AU
opposition	-5899 Jun 03 j 02:27	25°♎37'24	0°06'34
direct	-5899 Aug 17 j 19:34	23°♎41'07	
evening set	-5899 Nov 15 j 05:39	26°♎39'55	
conjunction	-5899 Nov 30 j 23:15	27°♎33'52	0°04'12
minimum elong	-5899 Nov 30 j 23:15	27°♎33'52	0°04'04
behind sun begin	-5899 Nov 30 j 16:46	27°♎32'58	
behind sun end	-5899 Dec 01 j 05:44	27°♎34'47	
max. Earth dist.	-5899 Dec 02 j 07:12	27°♎38'28	21.01348 AU
morning rise	-5899 Dec 16 j 20:20	28°♎28'20	
	-5898 Jan 15 j 08:26	0°♏	
retrograde	-5898 Mar 21 j 02:24	1°♏35'43	
	-5898 May 28 j 12:59	30°℞♎	
min. Earth dist.	-5898 Jun 06 j 05:26	29°♎39'19	19.03070 AU
opposition	-5898 Jun 07 j 11:12	29°♎36'21	0°02'27
direct	-5898 Aug 22 j 02:49	27°♎40'11	
	-5898 Nov 07 j 16:41	0°♏	
evening set	-5898 Nov 19 j 09:39	0°♏38'21	
conjunction	-5898 Dec 05 j 03:58	1°♏32'15	0°00'26
minimum elong	-5898 Dec 05 j 03:57	1°♏32'15	0°00'16
behind sun begin	-5898 Dec 04 j 21:26	1°♏31'21	
behind sun end	-5898 Dec 05 j 10:28	1°♏33'10	
max. Earth dist.	-5898 Dec 06 j 11:08	1°♏36'44	21.04619 AU
morning rise	-5898 Dec 21 j 02:04	2°♏26'42	
desc. node	-5897 Jan 16 j 00:41	3°♏48'08	
retrograde	-5897 Mar 25 j 11:11	5°♏33'48	
opposition	-5897 Jun 11 j 19:24	3°♏34'23	-0°01'40
min. Earth dist.	-5897 Jun 10 j 13:13	3°♏37'24	19.06164 AU
direct	-5897 Aug 26 j 08:35	1°♏38'20	
evening set	-5897 Nov 23 j 13:24	4°♏35'58	
conjunction	-5897 Dec 09 j 08:34	5°♏29'51	-0°03'22
minimum elong	-5897 Dec 09 j 08:34	5°♏29'51	0°03'33
behind sun begin	-5897 Dec 09 j 02:02	5°♏28'56	
behind sun end	-5897 Dec 09 j 15:06	5°♏30'45	
max. Earth dist.	-5897 Dec 10 j 16:43	5°♏34'27	21.07518 AU
morning rise	-5897 Dec 25 j 07:29	6°♏24'17	
retrograde	-5896 Mar 28 j 17:38	9°♏31'08	
min. Earth dist.	-5896 Jun 13 j 21:20	7°♏34'43	19.08877 AU
opposition	-5896 Jun 15 j 03:04	7°♏31'44	-0°05'45
direct	-5896 Aug 29 j 14:29	5°♏35'49	
evening set	-5896 Nov 26 j 17:12	8°♏32'58	
conjunction	-5896 Dec 12 j 13:07	9°♏26'50	-0°07'03
minimum elong	-5896 Dec 12 j 13:07	9°♏26'50	0°07'15
behind sun begin	-5896 Dec 12 j 07:03	9°♏26'00	
behind sun end	-5896 Dec 12 j 19:10	9°♏27'41	
max. Earth dist.	-5896 Dec 13 j 20:16	9°♏31'18	21.10055 AU
morning rise	-5896 Dec 28 j 13:07	10°♏21'17	
retrograde	-5895 Apr 02 j 02:33	13°♏27'57	
min. Earth dist.	-5895 Jun 18 j 04:36	11°♏31'33	19.11221 AU
opposition	-5895 Jun 19 j 10:21	11°♏28'34	-0°09'49
direct	-5895 Sep 02 j 19:19	9°♏32'45	
evening set	-5895 Nov 30 j 20:54	12°♏29'32	
conjunction	-5895 Dec 16 j 17:48	13°♏23'26	-0°10'41
minimum elong	-5895 Dec 16 j 17:49	13°♏23'26	0°10'54
behind sun begin	-5895 Dec 16 j 12:47	13°♏22'44	
behind sun end	-5895 Dec 16 j 22:50	13°♏24'08	
max. Earth dist.	-5895 Dec 18 j 01:39	13°♏27'58	21.12185 AU
morning rise	-5894 Jan 01 j 18:42	14°♏17'54	
	-5894 Jan 14 j 18:08	15°♏	
retrograde	-5894 Apr 06 j 08:54	17°♏24'26	
opposition	-5894 Jun 23 j 17:15	15°♏25'05	-0°13'49
min. Earth dist.	-5894 Jun 22 j 12:17	15°♏27'59	19.13129 AU
	-5894 Jul 04 j 05:39	15°℞♏	
direct	-5894 Sep 07 j 00:04	13°♏29'21	
	-5894 Nov 07 j 03:56	15°♏	
evening set	-5894 Dec 05 j 00:55	16°♏25'52	
conjunction	-5894 Dec 20 j 22:38	17°♏19'47	-0°14'16
minimum elong	-5894 Dec 20 j 22:38	17°♏19'47	0°14'32
behind sun begin	-5894 Dec 20 j 19:43	17°♏19'23	
behind sun end	-5894 Dec 21 j 01:33	17°♏20'11	
max. Earth dist.	-5894 Dec 22 j 05:01	17°♏24'07	21.13875 AU
morning rise	-5893 Jan 06 j 00:38	18°♏14'18	
retrograde	-5893 Apr 10 j 17:37	21°♏20'44	
opposition	-5893 Jun 27 j 23:40	19°♏21'25	-0°17'46
min. Earth dist.	-5893 Jun 26 j 19:18	19°♏24'15	19.14583 AU
direct	-5893 Sep 11 j 04:30	17°♏25'45	
evening set	-5893 Dec 09 j 05:00	20°♏22'05	
conjunction	-5893 Dec 25 j 03:43	21°♏16'04	-0°17'48
minimum elong	-5893 Dec 25 j 03:43	21°♏16'04	0°18'04
max. Earth dist.	-5893 Dec 26 j 10:18	21°♏20'25	21.15070 AU
morning rise	-5892 Jan 10 j 06:34	22°♏10'38	
retrograde	-5892 Apr 14 j 00:14	25°♏17'01	
min. Earth dist.	-5892 Jun 30 j 02:42	23°♏20'27	19.15513 AU
opposition	-5892 Jul 01 j 05:55	23°♏17'43	-0°21'37
direct	-5892 Sep 14 j 08:40	21°♏22'07	
evening set	-5892 Dec 12 j 09:16	24°♏18'19	
conjunction	-5892 Dec 28 j 08:51	25°♏12'22	-0°21'15
minimum elong	-5892 Dec 28 j 08:51	25°♏12'21	0°21'32
max. Earth dist.	-5892 Dec 29 j 13:32	25°♏16'26	21.15735 AU
morning rise	-5891 Jan 13 j 12:50	26°♏07'00	
retrograde	-5891 Apr 18 j 08:36	29°♏13'23	
min. Earth dist.	-5891 Jul 04 j 09:50	27°♏16'43	19.15894 AU
opposition	-5891 Jul 05 j 12:01	27°♏14'05	-0°25'23
direct	-5891 Sep 18 j 13:01	25°♏18'29	
evening set	-5891 Dec 16 j 13:54	28°♏14'39	
conjunction	-5890 Jan 01 j 14:34	29°♏08'46	-0°24'35
minimum elong	-5890 Jan 01 j 14:34	29°♏08'46	0°24'53
max. Earth dist.	-5890 Jan 02 j 18:55	29°♏12'47	21.15810 AU
	-5890 Jan 16 j 18:10	0°♐	
morning rise	-5890 Jan 17 j 19:26	0°♐03'30	
retrograde	-5890 Apr 22 j 15:47	3°♐09'53	
opposition	-5890 Jul 09 j 17:42	1°♐10'34	-0°29'01
min. Earth dist.	-5890 Jul 08 j 17:00	1°♐13'03	19.15662 AU
	-5890 Aug 10 j 03:24	30°℞♏	
direct	-5890 Sep 22 j 17:16	29°♏14'54	
	-5890 Nov 04 j 00:24	0°♐	
evening set	-5890 Dec 20 j 18:52	2°♐11'06	

Attention, astronomical year style is used: The year -5889 in astronomical counting style is the year 5890 BCE in historical counting style.

conjunction	-5889 Jan 05 j 20:27	3°♐05'19	-0°27'49	
minimum elong	-5889 Jan 05 j 20:27	3°♐05'19	0°28'07	
max. Earth dist.	-5889 Jan 06 j 22:20	3°♐08'59	21.15282 AU	
morning rise	-5889 Jan 22 j 02:28	4°♐00'09		
retrograde	-5889 Apr 26 j 23:19	7°♐06'35		
opposition	-5889 Jul 13 j 23:20	5°♐07'11	-0°32'30	
min. Earth dist.	-5889 Jul 13 j 00:01	5°♐09'32	19.14829 AU	
direct	-5889 Sep 26 j 21:24	3°♐11'24		
evening set	-5889 Dec 24 j 23:55	6°♐07'41		
conjunction	-5888 Jan 10 j 02:35	7°♐02'02	-0°30'54	
minimum elong	-5888 Jan 10 j 02:35	7°♐02'02	0°31'14	
max. Earth dist.	-5888 Jan 11 j 03:57	7°♐05'37	21.14144 AU	
morning rise	-5888 Jan 26 j 09:27	7°♐56'58		
retrograde	-5888 Apr 30 j 06:36	11°♐03'27		
min. Earth dist.	-5888 Jul 16 j 06:52	9°♐06'10	19.13398 AU	
opposition	-5888 Jul 17 j 04:44	9°♐03'58	-0°35'51	
direct	-5888 Sep 30 j 01:56	7°♐08'02		
evening set	-5888 Dec 28 j 05:24	10°♐04'28		
conjunction	-5887 Jan 13 j 09:00	10°♐58'56	-0°33'51	
minimum elong	-5887 Jan 13 j 08:59	10°♐58'56	0°34'11	
max. Earth dist.	-5887 Jan 14 j 07:53	11°♐02'11	21.12457 AU	
morning rise	-5887 Jan 29 j 17:01	11°♐54'01		
retrograde	-5887 May 04 j 13:57	15°♐00'35		
opposition	-5887 Jul 21 j 09:57	13°♐00'58	-0°39'01	
min. Earth dist.	-5887 Jul 20 j 13:34	13°♐03'02	19.11452 AU	
direct	-5887 Oct 04 j 05:50	11°♐04'50		
evening set	-5886 Jan 01 j 11:10	14°♐01'31		
conjunction	-5886 Jan 17 j 15:56	14°♐56'08	-0°36'38	
minimum elong	-5886 Jan 17 j 15:56	14°♐56'08	0°37'00	
max. Earth dist.	-5886 Jan 18 j 14:17	14°♐59'17	21.10260 AU	
morning rise	-5886 Feb 03 j 00:50	15°♐51'20		
retrograde	-5886 May 08 j 21:13	18°♐58'02		
opposition	-5886 Jul 25 j 15:03	16°♐58'17	-0°42'00	
min. Earth dist.	-5886 Jul 24 j 20:06	17°♐00'13	19.09017 AU	
direct	-5886 Oct 08 j 10:19	15°♐01'57		
evening set	-5885 Jan 05 j 17:28	17°♐58'56		
conjunction	-5885 Jan 21 j 23:08	18°♐53'42	-0°39'15	
minimum elong	-5885 Jan 21 j 23:08	18°♐53'42	0°39'36	
max. Earth dist.	-5885 Jan 22 j 18:56	18°♐56'31	21.07615 AU	
morning rise	-5885 Feb 07 j 09:06	19°♐49'04		
retrograde	-5885 May 13 j 05:17	22°♐55'56		
opposition	-5885 Jul 29 j 20:03	20°♐56'03	-0°44'48	
min. Earth dist.	-5885 Jul 29 j 02:38	20°♐57'50	19.06170 AU	
direct	-5885 Oct 12 j 14:11	18°♐59'28		
evening set	-5884 Jan 10 j 00:06	21°♐56'52		
conjunction	-5884 Jan 26 j 06:54	22°♐51'50	-0°41'41	
minimum elong	-5884 Jan 26 j 06:54	22°♐51'50	0°42'03	
max. Earth dist.	-5884 Jan 27 j 02:11	22°♐54'34	21.04567 AU	
morning rise	-5884 Feb 11 j 17:39	23°♐47'21		
retrograde	-5884 May 16 j 12:50	26°♐54'25		
min. Earth dist.	-5884 Aug 01 j 09:02	24°♐56'05	19.02934 AU	
opposition	-5884 Aug 02 j 01:09	24°♐54'26	-0°47'23	
direct	-5884 Oct 15 j 18:32	22°♐57'38		
evening set	-5883 Jan 13 j 07:15	25°♐55'30		
conjunction	-5883 Jan 29 j 14:59	26°♐50'39	-0°43'55	
minimum elong	-5883 Jan 29 j 14:59	26°♐50'39	0°44'17	
max. Earth dist.	-5883 Jan 30 j 07:39	26°♐53'01	21.01165 AU	
morning rise	-5883 Feb 15 j 02:50	27°♐46'22		
	-5883 Apr 03 j 04:10	0°♑		
retrograde	-5883 May 20 j 21:52	0°♑53'42		
	-5883 Jul 08 j 14:27	30°℞♐		

opposition	-5883 Aug 06 j 06:25	28°♐53'36	-0°49'45	
min. Earth dist.	-5883 Aug 05 j 15:59	28°♐55'05	18.99359 AU	
direct	-5883 Oct 19 j 22:32	26°♐56'33		
evening set	-5882 Jan 17 j 15:04	29°♐55'00		
	-5882 Jan 19 j 03:05	0°♑		
conjunction	-5882 Feb 02 j 23:58	0°♑50'22	-0°45'58	
minimum elong	-5882 Feb 02 j 23:58	0°♑50'22	0°46'19	
max. Earth dist.	-5882 Feb 03 j 15:56	0°♑52'38	20.97412 AU	
morning rise	-5882 Feb 19 j 12:33	1°♑46'16		
retrograde	-5882 May 25 j 06:31	4°♑53'53		
opposition	-5882 Aug 10 j 11:40	2°♑53'44	-0°51'54	
min. Earth dist.	-5882 Aug 09 j 22:42	2°♑55'04	18.95432 AU	
direct	-5882 Oct 24 j 03:21	0°♑56'26		
evening set	-5881 Jan 21 j 23:40	3°♑55'33		
conjunction	-5881 Feb 07 j 09:26	4°♑51'08	-0°47'47	
minimum elong	-5881 Feb 07 j 09:26	4°♑51'08	0°48'09	
max. Earth dist.	-5881 Feb 07 j 22:28	4°♑52'59	20.93331 AU	
morning rise	-5881 Feb 23 j 23:02	5°♑47'15		
retrograde	-5881 May 29 j 16:22	8°♑55'14		
opposition	-5881 Aug 14 j 17:21	6°♑55'00	-0°53'48	
min. Earth dist.	-5881 Aug 14 j 06:19	6°♑56'08	18.91182 AU	
direct	-5881 Oct 28 j 07:35	4°♑57'27		
evening set	-5880 Jan 26 j 08:43	7°♑57'19		
conjunction	-5880 Feb 11 j 19:36	8°♑53'08	-0°49'24	
minimum elong	-5880 Feb 11 j 19:36	8°♑53'08	0°49'45	
max. Earth dist.	-5880 Feb 12 j 07:48	8°♑54'52	20.88904 AU	
morning rise	-5880 Feb 28 j 09:52	9°♑49'27		
retrograde	-5880 Jun 02 j 02:30	12°♑57'50		
opposition	-5880 Aug 17 j 23:17	10°♑57'34	-0°55'28	
min. Earth dist.	-5880 Aug 17 j 13:51	10°♑58'32	18.86573 AU	
direct	-5880 Oct 31 j 13:24	8°♑59'47		
evening set	-5879 Jan 29 j 18:54	12°♑00'27		
conjunction	-5879 Feb 15 j 06:37	12°♑56'31	-0°50'45	
minimum elong	-5879 Feb 15 j 06:37	12°♑56'31	0°51'08	
max. Earth dist.	-5879 Feb 15 j 15:29	12°♑57'47	20.84125 AU	
morning rise	-5879 Mar 03 j 21:50	13°♑53'05		
retrograde	-5879 Jun 06 j 13:25	17°♑01'54		
opposition	-5879 Aug 22 j 05:32	15°♑01'33	-0°56'51	
min. Earth dist.	-5879 Aug 21 j 22:30	15°♑02'17	18.81606 AU	
direct	-5879 Nov 04 j 18:40	13°♑03'29		
evening set	-5878 Feb 03 j 05:53	16°♑05'04		
conjunction	-5878 Feb 19 j 18:43	17°♑01'24	-0°51'53	
minimum elong	-5878 Feb 19 j 18:43	17°♑01'24	0°52'14	
max. Earth dist.	-5878 Feb 20 j 02:14	17°♑02'29	20.78954 AU	
morning rise	-5878 Mar 08 j 10:30	17°♑58'11		
retrograde	-5878 Jun 11 j 00:50	21°♑07'28		
opposition	-5878 Aug 26 j 12:14	19°♑07'04	-0°57'57	
min. Earth dist.	-5878 Aug 26 j 07:03	19°♑07'36	18.76224 AU	
direct	-5878 Nov 09 j 01:29	17°♑08'42		
evening set	-5877 Feb 07 j 17:50	20°♑11'14		
conjunction	-5877 Feb 24 j 07:23	21°♑07'50	-0°52'44	
minimum elong	-5877 Feb 24 j 07:23	21°♑07'50	0°53'05	
max. Earth dist.	-5877 Feb 24 j 11:09	21°♑08'22	20.73367 AU	
morning rise	-5877 Mar 12 j 23:59	22°♑04'52		
retrograde	-5877 Jun 15 j 12:42	25°♑14'37		
opposition	-5877 Aug 30 j 19:25	23°♑14'07	-0°58'46	
min. Earth dist.	-5877 Aug 30 j 16:52	23°♑14'23	18.70430 AU	
direct	-5877 Nov 13 j 08:28	21°♑15'24		
evening set	-5876 Feb 12 j 06:30	24°♑18'57		
conjunction	-5876 Feb 28 j 21:06	25°♑15'50	-0°53'19	

Attention, astronomical year style is used: The year -5876 in astronomical counting style is the year 5877 BCE in historical counting style.

minimum elong	-5876 Feb 28 j 21:06	25°♅15'50	0°53'40
max. Earth dist.	-5876 Feb 28 j 23:19	25°♅16'09	20.67364 AU
morning rise	-5876 Mar 16 j 14:10	26°♅13'07	
retrograde	-5876 Jun 19 j 01:01	29°♅23'21	
opposition	-5876 Sep 03 j 03:01	27°♅22'44	-0°59'17
min. Earth dist.	-5876 Sep 03 j 02:15	27°♅22'49	18.64222 AU
direct	-5876 Nov 16 j 16:18	25°♅23'38	
evening set	-5875 Feb 15 j 20:07	28°♅28'14	
conjunction	-5875 Mar 04 j 11:26	29°♅25'24	-0°53'38
minimum elong	-5875 Mar 04 j 11:26	29°♅25'24	0°53'57
max. Earth dist.	-5875 Mar 04 j 09:47	29°♅25'10	20.60975 AU
	-5875 Mar 14 j 11:38	0°♒	
morning rise	-5875 Mar 21 j 05:17	0°♒22'57	
retrograde	-5875 Jun 23 j 13:54	3°♒33'42	
opposition	-5875 Sep 07 j 11:11	1°♒32'56	-0°59'29
min. Earth dist.	-5875 Sep 07 j 13:08	1°♒32'43	18.57656 AU
	-5875 Oct 19 j 16:36	30°℞♅	
direct	-5875 Nov 21 j 00:52	29°♅33'24	
	-5875 Dec 23 j 01:44	0°♒	
evening set	-5874 Feb 20 j 10:33	2°♒39'06	
conjunction	-5874 Mar 09 j 02:50	3°♒36'35	-0°53'39
minimum elong	-5874 Mar 09 j 02:50	3°♒36'35	0°53'59
max. Earth dist.	-5874 Mar 08 j 23:43	3°♒36'08	20.54247 AU
morning rise	-5874 Mar 25 j 21:01	4°♒34'23	
retrograde	-5874 Jun 28 j 03:06	7°♒45'38	
opposition	-5874 Sep 11 j 19:39	5°♒44'43	-0°59'22
min. Earth dist.	-5874 Sep 11 j 23:14	5°♒44'20	18.50780 AU
direct	-5874 Nov 25 j 10:09	3°♒44'45	
evening set	-5873 Feb 25 j 01:57	6°♒51'36	
conjunction	-5873 Mar 13 j 18:48	7°♒49'23	-0°53'23
minimum elong	-5873 Mar 13 j 18:48	7°♒49'23	0°53'41
max. Earth dist.	-5873 Mar 13 j 12:00	7°♒48'24	20.47259 AU
morning rise	-5873 Mar 30 j 13:35	8°♒47'27	
retrograde	-5873 Jul 02 j 16:47	11°♒59'15	
opposition	-5873 Sep 16 j 04:49	9°♒58'09	-0°58'56
min. Earth dist.	-5873 Sep 16 j 11:01	9°♒57'30	18.43698 AU
direct	-5873 Nov 29 j 19:39	7°♒57'43	
evening set	-5872 Feb 29 j 17:51	11°♒05'46	
conjunction	-5872 Mar 17 j 11:34	12°♒03'52	-0°52'50
minimum elong	-5872 Mar 17 j 11:34	12°♒03'52	0°53'08
max. Earth dist.	-5872 Mar 17 j 03:38	12°♒02'43	20.40094 AU
morning rise	-5872 Apr 03 j 06:36	13°♒02'12	
	-5872 May 11 j 23:00	15°♒	
retrograde	-5872 Jul 06 j 07:27	16°♒14'34	
	-5872 Aug 31 j 18:49	15°℞♒	
opposition	-5872 Sep 19 j 14:28	14°♒13'18	-0°58'10
min. Earth dist.	-5872 Sep 19 j 21:56	14°♒12'30	18.36466 AU
direct	-5872 Dec 03 j 06:50	12°♒12'25	
	-5871 Feb 27 j 00:48	15°♒	
evening set	-5871 Mar 05 j 11:03	15°♒21'43	
conjunction	-5871 Mar 22 j 05:14	16°♒20'08	-0°51'59
minimum elong	-5871 Mar 22 j 05:14	16°♒20'08	0°52'15
max. Earth dist.	-5871 Mar 21 j 17:53	16°♒18'28	20.32820 AU
morning rise	-5871 Apr 08 j 00:43	17°♒18'44	
retrograde	-5871 Jul 10 j 21:42	20°♒31'41	
opposition	-5871 Sep 24 j 00:45	18°♒30'16	-0°57'06
min. Earth dist.	-5871 Sep 24 j 10:51	18°♒29'11	18.29173 AU
direct	-5871 Dec 07 j 17:12	16°♒28'55	
evening set	-5870 Mar 10 j 05:02	19°♒39'32	
conjunction	-5870 Mar 26 j 23:56	20°♒38'16	-0°50'51
minimum elong	-5870 Mar 26 j 23:56	20°♒38'16	0°51'06
max. Earth dist.	-5870 Mar 26 j 11:28	20°♒36'26	20.25512 AU
morning rise	-5870 Apr 12 j 19:29	21°♒37'08	
retrograde	-5870 Jul 15 j 14:09	24°♒50'41	
opposition	-5870 Sep 28 j 11:45	22°♒49'08	-0°55'41
min. Earth dist.	-5870 Sep 28 j 22:50	22°♒47'57	18.21865 AU
direct	-5870 Dec 12 j 06:30	20°♒47'23	
evening set	-5869 Mar 14 j 23:58	23°♒59'20	
conjunction	-5869 Mar 31 j 19:10	24°♒58'22	-0°49'25
minimum elong	-5869 Mar 31 j 19:10	24°♒58'22	0°49'39
max. Earth dist.	-5869 Mar 31 j 03:38	24°♒56'04	20.18220 AU
morning rise	-5869 Apr 17 j 14:56	25°♒57'30	
retrograde	-5869 Jul 20 j 05:05	29°♒11'42	
opposition	-5869 Oct 02 j 23:37	27°♒10'02	-0°53'57
min. Earth dist.	-5869 Oct 03 j 13:10	27°♒08'34	18.14613 AU
direct	-5869 Dec 16 j 18:20	25°♒07'52	
evening set	-5868 Mar 18 j 19:47	28°♒21'12	
conjunction	-5868 Apr 04 j 15:32	29°♒20'33	-0°47'41
minimum elong	-5868 Apr 04 j 15:32	29°♒20'33	0°47'54
max. Earth dist.	-5868 Apr 03 j 22:56	29°♒18'05	20.11009 AU
	-5868 Apr 15 j 18:25	0°♓	
morning rise	-5868 Apr 21 j 11:17	0°♓19'56	
retrograde	-5868 Jul 23 j 23:02	3°♓34'46	
opposition	-5868 Oct 06 j 12:03	1°♓33'02	-0°51'53
min. Earth dist.	-5868 Oct 07 j 02:26	1°♓31'29	18.07444 AU
	-5868 Nov 16 j 11:31	30°℞♒	
direct	-5868 Dec 20 j 09:43	29°♒30'30	
	-5867 Jan 23 j 01:04	0°♓	
evening set	-5867 Mar 23 j 16:48	2°♓45'14	
conjunction	-5867 Apr 09 j 12:46	3°♓44'54	-0°45'40
minimum elong	-5867 Apr 09 j 12:46	3°♓44'54	0°45'52
max. Earth dist.	-5867 Apr 08 j 17:17	3°♓42'00	20.03889 AU
morning rise	-5867 Apr 26 j 08:33	4°♓44'33	
retrograde	-5867 Jul 28 j 15:13	8°♓00'03	
opposition	-5867 Oct 11 j 01:33	5°♓58'16	-0°49'30
min. Earth dist.	-5867 Oct 11 j 18:33	5°♓56'26	18.00381 AU
direct	-5867 Dec 24 j 23:31	3°♓55'21	
evening set	-5866 Mar 28 j 14:44	7°♓11'33	
conjunction	-5866 Apr 14 j 10:59	8°♓11'30	-0°43'21
minimum elong	-5866 Apr 14 j 10:59	8°♓11'30	0°43'31
max. Earth dist.	-5866 Apr 13 j 14:11	8°♓08'23	19.96876 AU
morning rise	-5866 May 01 j 06:35	9°♓11'24	
retrograde	-5866 Aug 02 j 10:47	12°♓27'33	
opposition	-5866 Oct 15 j 15:43	10°♓25'44	-0°46'48
min. Earth dist.	-5866 Oct 16 j 09:31	10°♓23'48	17.93412 AU
direct	-5866 Dec 29 j 17:19	8°♓22'29	
evening set	-5865 Apr 02 j 13:45	11°♓40'06	
max. Earth dist.	-5865 Apr 18 j 10:40	12°♓36'51	19.89948 AU
conjunction	-5865 Apr 19 j 10:03	12°♓40'21	-0°40'46
minimum elong	-5865 Apr 19 j 10:03	12°♓40'21	0°40'54
morning rise	-5865 May 06 j 05:24	13°♓40'29	
retrograde	-5865 Aug 07 j 04:27	16°♓57'18	
opposition	-5865 Oct 20 j 07:02	14°♓55'26	-0°43'46
min. Earth dist.	-5865 Oct 21 j 03:30	14°♓53'13	17.86540 AU
direct	-5864 Jan 03 j 09:09	12°♓51'49	
evening set	-5864 Apr 06 j 13:30	16°♓10'52	
max. Earth dist.	-5864 Apr 22 j 08:52	17°♓07'37	19.83119 AU
conjunction	-5864 Apr 23 j 09:54	17°♓11'24	-0°37'53
minimum elong	-5864 Apr 23 j 09:54	17°♓11'24	0°38'00
morning rise	-5864 May 10 j 04:59	18°♓11'46	
retrograde	-5864 Aug 11 j 01:34	21°♓29'12	
opposition	-5864 Oct 23 j 23:08	19°♓27'17	-0°40'27

Attention, astronomical year style is used: The year -5864 in astronomical counting style is the year 5865 BCE in historical counting style.

min. Earth dist.	-5864 Oct 24 j 20:18	19°♓24'59	17.79749 AU
direct	-5863 Jan 07 j 05:01	17°♓23'18	
evening set	-5863 Apr 11 j 14:25	20°♓43'45	
max. Earth dist.	-5863 Apr 27 j 07:29	21°♓40'24	19.76362 AU
conjunction	-5863 Apr 28 j 10:43	21°♓44'32	-0°34'46
minimum elong	-5863 Apr 28 j 10:43	21°♓44'32	0°34'50
morning rise	-5863 May 15 j 05:19	22°♓45'07	
retrograde	-5863 Aug 15 j 21:01	26°♓03'08	
opposition	-5863 Oct 28 j 16:13	24°♓01'09	-0°36'51
min. Earth dist.	-5863 Oct 29 j 16:01	23°♓58'34	17.73053 AU
direct	-5862 Jan 11 j 23:13	21°♓56'47	
evening set	-5862 Apr 16 j 16:06	25°♓18'36	
max. Earth dist.	-5862 May 02 j 07:05	26°♓15'11	19.69733 AU
conjunction	-5862 May 03 j 12:11	26°♓19'37	-0°31'23
minimum elong	-5862 May 03 j 12:12	26°♓19'37	0°31'27
morning rise	-5862 May 20 j 06:21	27°♓20'24	
	-5862 Jul 13 j 17:22	0°♈	
retrograde	-5862 Aug 20 j 19:17	0°♈38'59	
	-5862 Sep 28 j 10:14	30°℞♓	
opposition	-5862 Nov 02 j 10:09	28°♓36'55	-0°32'59
min. Earth dist.	-5862 Nov 03 j 10:24	28°♓34'17	17.66499 AU
direct	-5861 Jan 16 j 20:49	26°♓32'10	
evening set	-5861 Apr 21 j 18:17	29°♓55'15	
	-5861 Apr 23 j 02:04	0°♈	
max. Earth dist.	-5861 May 07 j 07:48	0°♈51'52	19.63262 AU
conjunction	-5861 May 08 j 14:09	0°♈56'31	-0°27'47
minimum elong	-5861 May 08 j 14:09	0°♈56'31	0°27'49
morning rise	-5861 May 25 j 07:34	1°♈57'28	
retrograde	-5861 Aug 25 j 15:59	5°♈16'36	
opposition	-5861 Nov 07 j 05:02	3°♈14'26	-0°28'52
min. Earth dist.	-5861 Nov 08 j 07:26	3°♈11'33	17.60145 AU
direct	-5860 Jan 21 j 16:45	1°♈09'17	
evening set	-5860 Apr 25 j 21:16	4°♈33'38	
max. Earth dist.	-5860 May 11 j 08:33	5°♈30'09	19.57044 AU
conjunction	-5860 May 12 j 16:40	5°♈35'05	-0°23'59
minimum elong	-5860 May 12 j 16:40	5°♈35'05	0°24'00
morning rise	-5860 May 29 j 09:33	6°♈36'13	
retrograde	-5860 Aug 29 j 15:07	9°♈55'51	
opposition	-5860 Nov 11 j 00:26	7°♈53'34	-0°24'33
min. Earth dist.	-5860 Nov 12 j 03:03	7°♈50'39	17.54075 AU
direct	-5859 Jan 25 j 16:04	5°♈48'02	
evening set	-5859 May 01 j 00:49	9°♈13'35	
max. Earth dist.	-5859 May 16 j 11:23	10°♈10'14	19.51133 AU
conjunction	-5859 May 17 j 19:50	10°♈15'14	-0°20'01
minimum elong	-5859 May 17 j 19:50	10°♈15'14	0°20'00
morning rise	-5859 Jun 03 j 11:46	11°♈16'30	
retrograde	-5859 Sep 03 j 12:49	14°♈36'36	
opposition	-5859 Nov 15 j 20:58	12°♈34'13	-0°20'02
min. Earth dist.	-5859 Nov 17 j 01:10	12°♈31'08	17.48356 AU
direct	-5858 Jan 30 j 13:43	10°♈28'21	
evening set	-5858 May 06 j 04:49	13°♈55'01	
conjunction	-5858 May 22 j 23:03	14°♈56'49	-0°15'54
minimum elong	-5858 May 22 j 23:04	14°♈56'49	0°15'50
max. Earth dist.	-5858 May 21 j 13:08	14°♈51'34	19.45624 AU
morning rise	-5858 Jun 08 j 14:16	15°♈58'12	
retrograde	-5858 Sep 08 j 12:28	19°♈18'46	
opposition	-5858 Nov 20 j 18:08	17°♈16'17	-0°15'23
min. Earth dist.	-5858 Nov 21 j 22:09	17°♈13'12	17.43081 AU
direct	-5857 Feb 04 j 14:40	15°♈10'05	
evening set	-5857 May 11 j 09:07	18°♈37'50	
max. Earth dist.	-5857 May 26 j 17:36	19°♈34'36	19.40588 AU
conjunction	-5857 May 28 j 02:48	19°♈39'46	-0°11'40
minimum elong	-5857 May 28 j 02:48	19°♈39'46	0°11'35
behind sun begin	-5857 May 27 j 22:02	19°♈39'02	
behind sun end	-5857 May 28 j 07:34	19°♈40'29	
morning rise	-5857 Jun 13 j 16:52	20°♈41'14	
retrograde	-5857 Sep 13 j 11:08	24°♈02'12	
opposition	-5857 Nov 25 j 16:11	21°♈59'40	-0°10'35
min. Earth dist.	-5857 Nov 26 j 21:00	21°♈56'30	17.38316 AU
direct	-5856 Feb 09 j 13:58	19°♈53'13	
evening set	-5856 May 15 j 13:53	23°♈21'56	
max. Earth dist.	-5856 May 30 j 20:15	24°♈18'37	19.36109 AU
conjunction	-5856 Jun 01 j 06:37	24°♈23'59	-0°07'21
minimum elong	-5856 Jun 01 j 06:36	24°♈23'59	0°07'13
behind sun begin	-5856 Jun 01 j 00:24	24°♈23'02	
behind sun end	-5856 Jun 01 j 12:48	24°♈24'55	
morning rise	-5856 Jun 17 j 19:49	25°♈25'31	
retrograde	-5856 Sep 17 j 11:22	28°♈46'54	
opposition	-5856 Nov 29 j 14:57	26°♈44'19	-0°05'43
min. Earth dist.	-5856 Nov 30 j 19:24	26°♈41'12	17.34137 AU
direct	-5855 Feb 13 j 16:24	24°♈37'40	
evening set	-5855 May 20 j 18:54	28°♈07'18	
max. Earth dist.	-5855 Jun 05 j 01:53	29°♈04'15	19.32227 AU
conjunction	-5855 Jun 06 j 10:51	29°♈09'25	-0°02'57
minimum elong	-5855 Jun 06 j 10:51	29°♈09'25	0°02'48
behind sun begin	-5855 Jun 06 j 04:07	29°♈08'23	
behind sun end	-5855 Jun 06 j 17:35	29°♈10'27	
	-5855 Jun 19 j 23:09	0°♉	
morning rise	-5855 Jun 22 j 22:46	0°♉11'00	
retrograde	-5855 Sep 22 j 10:51	3°♉32'44	
opposition	-5855 Dec 04 j 14:35	1°♉30'11	-0°00'46
min. Earth dist.	-5855 Dec 05 j 19:04	1°♉27'04	17.30564 AU
	-5854 Jan 11 j 19:49	30°℞♈	
asc. node	-5854 Jan 29 j 17:50	29°♈33'58	
direct	-5854 Feb 18 j 17:44	29°♈23'25	
	-5854 Mar 28 j 05:01	0°♉	
evening set	-5854 May 26 j 00:19	2°♉53'52	
max. Earth dist.	-5854 Jun 10 j 05:27	3°♉50'44	19.28982 AU
conjunction	-5854 Jun 11 j 15:06	3°♉56'01	0°01'38
minimum elong	-5854 Jun 11 j 15:06	3°♉56'01	0°01'48
behind sun begin	-5854 Jun 11 j 08:21	3°♉54'59	
behind sun end	-5854 Jun 11 j 21:51	3°♉57'03	
morning rise	-5854 Jun 28 j 01:59	4°♉57'37	
retrograde	-5854 Sep 27 j 11:29	8°♉19'43	
opposition	-5854 Dec 09 j 14:56	6°♉17'13	0°04'12
min. Earth dist.	-5854 Dec 10 j 19:01	6°♉14'08	17.27647 AU
direct	-5853 Feb 23 j 21:21	4°♉10'21	
evening set	-5853 May 31 j 05:33	7°♉41'32	
max. Earth dist.	-5853 Jun 15 j 11:32	8°♉38'42	19.26379 AU
conjunction	-5853 Jun 16 j 19:25	8°♉43'43	0°06'05
minimum elong	-5853 Jun 16 j 19:25	8°♉43'43	0°06'18
behind sun begin	-5853 Jun 16 j 13:04	8°♉42'44	
behind sun end	-5853 Jun 17 j 01:46	8°♉44'41	
morning rise	-5853 Jul 03 j 05:00	9°♉45'18	
retrograde	-5853 Oct 02 j 12:03	13°♉07'42	
opposition	-5853 Dec 14 j 15:59	11°♉05'17	0°09'10
min. Earth dist.	-5853 Dec 15 j 19:31	11°♉02'16	17.25345 AU
direct	-5852 Feb 29 j 01:00	8°♉58'25	
evening set	-5852 Jun 04 j 11:14	12°♉30'12	
conjunction	-5852 Jun 20 j 23:49	13°♉32'22	0°10'30
minimum elong	-5852 Jun 20 j 23:49	13°♉32'22	0°10'43
behind sun begin	-5852 Jun 20 j 18:40	13°♉31'35	
behind sun end	-5852 Jun 21 j 04:57	13°♉33'10	

Attention, astronomical year style is used: The year -5852 in astronomical counting style is the year 5853 BCE in historical counting style.

max. Earth dist.	-5852 Jun	19 j 15:40	13°♉27'18	19.24381 AU
morning rise	-5852 Jul	07 j 08:12	14°♉33'56	
	-5852 Jul	14 j 11:18	15°♉	
retrograde	-5852 Oct	06 j 12:40	17°♉56'34	
opposition	-5852 Dec	18 j 17:36	15°♉54'15	0°14'06
min. Earth dist.	-5852 Dec	19 j 21:02	15°♉51'16	17.23650 AU
	-5851 Jan	09 j 03:12	15°℞♉	
direct	-5851 Mar	05 j 05:19	13°♉47'23	
	-5851 Apr	27 j 14:19	15°♉	
evening set	-5851 Jun	09 j 16:50	17°♉19'40	
max. Earth dist.	-5851 Jun	24 j 21:45	18°♉16'57	19.22971 AU
conjunction	-5851 Jun	26 j 04:16	18°♉21'47	0°14'52
minimum elong	-5851 Jun	26 j 04:16	18°♉21'47	0°15'07
behind sun begin	-5851 Jun	26 j 02:04	18°♉21'27	
behind sun end	-5851 Jun	26 j 06:28	18°♉22'08	
morning rise	-5851 Jul	12 j 11:17	19°♉23'17	
retrograde	-5851 Oct	11 j 14:43	22°♉46'06	
opposition	-5851 Dec	23 j 19:59	20°♉43'54	0°18'56
min. Earth dist.	-5851 Dec	24 j 22:16	20°♉41'02	17.22510 AU
direct	-5850 Mar	10 j 10:44	18°♉37'04	
evening set	-5850 Jun	14 j 22:17	22°♉09'41	
max. Earth dist.	-5850 Jun	30 j 02:17	23°♉06'57	19.22102 AU
conjunction	-5850 Jul	01 j 08:21	23°♉11'43	0°19'08
minimum elong	-5850 Jul	01 j 08:20	23°♉11'43	0°19'24
morning rise	-5850 Jul	17 j 14:02	24°♉13'08	
retrograde	-5850 Oct	16 j 15:23	27°♉36'05	
opposition	-5850 Dec	28 j 22:56	25°♉33'57	0°23'38
min. Earth dist.	-5850 Dec	30 j 01:07	25°♉31'07	17.21922 AU
direct	-5849 Mar	15 j 14:45	23°♉27'10	
evening set	-5849 Jun	20 j 03:30	26°♉59'59	
max. Earth dist.	-5849 Jul	05 j 07:40	27°♉57'21	19.21781 AU
conjunction	-5849 Jul	06 j 12:16	28°♉01'54	0°23'16
minimum elong	-5849 Jul	06 j 12:16	28°♉01'54	0°23'33
morning rise	-5849 Jul	22 j 16:39	29°♉03'12	
	-5849 Aug	07 j 11:15	0°♊	
retrograde	-5849 Oct	21 j 18:33	2°♊26'11	
opposition	-5848 Jan	03 j 02:03	0°♊24'08	0°28'10
min. Earth dist.	-5848 Jan	04 j 02:31	0°♊21'29	17.21855 AU
	-5848 Jan	12 j 09:41	30°℞♉	
direct	-5848 Mar	19 j 21:03	28°♉17'24	
	-5848 May	22 j 23:35	0°♊	
evening set	-5848 Jun	24 j 08:25	1°♊50'16	
conjunction	-5848 Jul	10 j 15:52	2°♊52'03	0°27'14
minimum elong	-5848 Jul	10 j 15:52	2°♊52'03	0°27'33
max. Earth dist.	-5848 Jul	09 j 12:28	2°♊47'42	19.21974 AU
morning rise	-5848 Jul	26 j 18:52	3°♊53'14	
retrograde	-5848 Oct	25 j 18:42	7°♊16'10	
opposition	-5847 Jan	07 j 05:43	5°♊14'11	0°32'30
min. Earth dist.	-5847 Jan	08 j 06:00	5°♊11'33	17.22316 AU
direct	-5847 Mar	25 j 00:56	3°♊07'31	
evening set	-5847 Jun	29 j 12:50	6°♊40'16	
conjunction	-5847 Jul	15 j 18:51	7°♊41'54	0°31'01
minimum elong	-5847 Jul	15 j 18:51	7°♊41'54	0°31'20
max. Earth dist.	-5847 Jul	14 j 16:46	7°♊37'44	19.22706 AU
morning rise	-5847 Jul	31 j 20:36	8°♊42'54	
retrograde	-5847 Oct	30 j 21:32	12°♊05'45	
opposition	-5846 Jan	12 j 09:29	10°♊03'48	0°36'36
min. Earth dist.	-5846 Jan	13 j 07:24	10°♊01'26	17.23308 AU
direct	-5846 Mar	30 j 08:00	7°♊57'14	
evening set	-5846 Jul	04 j 16:37	11°♊29'43	
conjunction	-5846 Jul	20 j 21:21	12°♊31'10	0°34'33
minimum elong	-5846 Jul	20 j 21:21	12°♊31'10	0°34'54
max. Earth dist.	-5846 Jul	19 j 21:31	12°♊27'22	19.23977 AU
morning rise	-5846 Aug	05 j 21:42	13°♊31'58	
retrograde	-5846 Nov	04 j 20:52	16°♊54'40	
opposition	-5845 Jan	17 j 13:28	14°♊52'45	0°40'25
min. Earth dist.	-5845 Jan	18 j 10:50	14°♊50'26	17.24866 AU
direct	-5845 Apr	04 j 12:14	12°♊46'17	
evening set	-5845 Jul	09 j 19:38	16°♊18'22	
conjunction	-5845 Jul	25 j 22:55	17°♊19'35	0°37'51
minimum elong	-5845 Jul	25 j 22:55	17°♊19'35	0°38'12
max. Earth dist.	-5845 Jul	25 j 00:29	17°♊16'00	19.25830 AU
morning rise	-5845 Aug	10 j 22:12	18°♊20'11	
retrograde	-5845 Nov	09 j 22:26	21°♊42'40	
opposition	-5844 Jan	22 j 17:17	19°♊40'46	0°43'56
min. Earth dist.	-5844 Jan	23 j 11:50	19°♊38'46	17.27003 AU
direct	-5844 Apr	08 j 19:51	17°♊34'26	
evening set	-5844 Jul	13 j 21:54	21°♊06'00	
conjunction	-5844 Jul	29 j 23:58	22°♊06'58	0°40'51
minimum elong	-5844 Jul	29 j 23:58	22°♊06'58	0°41'12
max. Earth dist.	-5844 Jul	29 j 04:37	22°♊03'54	19.28263 AU
morning rise	-5844 Aug	14 j 21:51	23°♊07'21	
retrograde	-5844 Nov	13 j 20:36	26°♊29'33	
opposition	-5843 Jan	26 j 21:10	24°♊27'41	0°47'08
min. Earth dist.	-5843 Jan	27 j 14:39	24°♊25'48	17.29742 AU
direct	-5843 Apr	14 j 00:29	22°♊21'32	
evening set	-5843 Jul	18 j 23:28	25°♊52'27	
max. Earth dist.	-5843 Aug	03 j 06:13	26°♊50'19	19.31324 AU
conjunction	-5843 Aug	04 j 00:02	26°♊53'08	0°43'35
minimum elong	-5843 Aug	04 j 00:02	26°♊53'08	0°43'57
morning rise	-5843 Aug	19 j 20:55	27°♊53'17	
	-5843 Sep	27 j 04:20	0°♋	
retrograde	-5843 Nov	18 j 21:03	1°♋15'11	
	-5842 Jan	13 j 09:26	30°℞♊	
opposition	-5842 Feb	01 j 00:53	29°♊13'21	0°50'00
min. Earth dist.	-5842 Feb	01 j 15:09	29°♊11'50	17.33119 AU
direct	-5842 Apr	19 j 06:59	27°♊07'26	
	-5842 Jul	13 j 16:14	0°♋	
evening set	-5842 Jul	23 j 23:53	0°♋37'35	
conjunction	-5842 Aug	08 j 23:20	1°♋38'01	0°45'59
minimum elong	-5842 Aug	08 j 23:20	1°♋38'01	0°46'20
max. Earth dist.	-5842 Aug	08 j 09:15	1°♋35'47	19.35016 AU
morning rise	-5842 Aug	24 j 18:58	2°♋37'54	
retrograde	-5842 Nov	23 j 19:02	5°♋59'27	
opposition	-5841 Feb	06 j 04:31	3°♋57'43	0°52'30
min. Earth dist.	-5841 Feb	06 j 17:05	3°♋56'23	17.37119 AU
direct	-5841 Apr	24 j 11:04	1°♋52'05	
evening set	-5841 Jul	28 j 23:43	5°♋21'24	
conjunction	-5841 Aug	13 j 21:46	6°♋21'32	0°48'05
minimum elong	-5841 Aug	13 j 21:46	6°♋21'32	0°48'27
max. Earth dist.	-5841 Aug	13 j 09:14	6°♋19'32	19.39331 AU
morning rise	-5841 Aug	29 j 16:33	7°♋21'10	
retrograde	-5841 Nov	28 j 18:22	10°♋42'19	
opposition	-5840 Feb	11 j 07:33	8°♋40'43	0°54'39
min. Earth dist.	-5840 Feb	11 j 17:04	8°♋39'43	17.41728 AU
direct	-5840 Apr	28 j 15:09	6°♋35'25	
evening set	-5840 Aug	01 j 22:30	10°♋03'49	
conjunction	-5840 Aug	17 j 19:33	11°♋03'40	0°49'51
minimum elong	-5840 Aug	17 j 19:33	11°♋03'40	0°50'12
max. Earth dist.	-5840 Aug	17 j 10:47	11°♋02'16	19.44222 AU
morning rise	-5840 Sep	02 j 13:13	12°♋03'01	
retrograde	-5840 Dec	02 j 16:22	15°♋23'46	

Attention, astronomical year style is used: The year -5839 in astronomical counting style is the year 5840 BCE in historical counting style.

opposition	-5839 Feb 15 j 10:37	13°♋22'20	0°56'25
min. Earth dist.	-5839 Feb 15 j 18:05	13°♋21'33	17.46871 AU
direct	-5839 May 03 j 18:16	11°♋17'26	
evening set	-5839 Aug 06 j 20:28	14°♋44'49	
conjunction	-5839 Aug 22 j 16:13	15°♋44'20	0°51'16
minimum elong	-5839 Aug 22 j 16:13	15°♋44'20	0°51'37
max. Earth dist.	-5839 Aug 22 j 09:06	15°♋43'13	19.49620 AU
morning rise	-5839 Sep 07 j 09:09	16°♋43'26	
retrograde	-5839 Dec 07 j 14:56	20°♋03'45	
opposition	-5838 Feb 20 j 13:17	18°♋02'29	0°57'48
min. Earth dist.	-5838 Feb 20 j 18:01	18°♋01'59	17.52500 AU
direct	-5838 May 08 j 20:27	15°♋58'00	
evening set	-5838 Aug 11 j 17:26	19°♋24'18	
conjunction	-5838 Aug 27 j 12:18	20°♋23'31	0°52'21
minimum elong	-5838 Aug 27 j 12:18	20°♋23'31	0°52'43
max. Earth dist.	-5838 Aug 27 j 08:47	20°♋22'57	19.55456 AU
morning rise	-5838 Sep 12 j 04:19	21°♋22'20	
retrograde	-5838 Dec 12 j 12:27	24°♋42'10	
opposition	-5837 Feb 25 j 15:27	22°♋41'05	0°58'48
min. Earth dist.	-5837 Feb 25 j 17:54	22°♋40'50	17.58513 AU
direct	-5837 May 13 j 22:29	20°♋37'03	
evening set	-5837 Aug 16 j 13:36	24°♋02'11	
conjunction	-5837 Sep 01 j 07:22	25°♋01'04	0°53'05
minimum elong	-5837 Sep 01 j 07:22	25°♋01'04	0°53'25
max. Earth dist.	-5837 Sep 01 j 05:23	25°♋00'46	19.61638 AU
morning rise	-5837 Sep 16 j 22:49	25°♋59'37	
retrograde	-5837 Dec 17 j 09:57	29°♋18'57	
opposition	-5836 Mar 01 j 17:11	27°♋18'02	0°59'24
min. Earth dist.	-5836 Mar 01 j 17:28	27°♋18'00	17.64848 AU
direct	-5836 May 17 j 23:05	25°♋14'25	
evening set	-5836 Aug 20 j 08:42	28°♋38'20	
conjunction	-5836 Sep 05 j 01:40	29°♋36'54	0°53'29
minimum elong	-5836 Sep 05 j 01:40	29°♋36'55	0°53'49
max. Earth dist.	-5836 Sep 05 j 02:51	29°♋37'06	19.68096 AU
	-5836 Sep 11 j 05:06	0°♌	
morning rise	-5836 Sep 20 j 16:23	0°♌35'10	
retrograde	-5836 Dec 21 j 06:34	3°♌53'57	
opposition	-5835 Mar 06 j 18:22	1°♌53'12	0°59'37
min. Earth dist.	-5835 Mar 06 j 16:03	1°♌53'27	17.71406 AU
	-5835 May 03 j 04:35	30°℞♋	
direct	-5835 May 23 j 00:07	29°♋50'03	
	-5835 Jun 11 j 13:13	0°♌	
evening set	-5835 Aug 25 j 03:01	3°♌12'40	
conjunction	-5835 Sep 09 j 19:03	4°♌10'55	0°53'31
minimum elong	-5835 Sep 09 j 19:03	4°♌10'55	0°53'50
max. Earth dist.	-5835 Sep 09 j 21:50	4°♌11'21	19.74752 AU
morning rise	-5835 Sep 25 j 09:20	5°♌08'53	
retrograde	-5835 Dec 26 j 02:48	8°♌27'08	
opposition	-5834 Mar 11 j 19:01	6°♌26'29	0°59'27
min. Earth dist.	-5834 Mar 11 j 14:57	6°♌26'55	17.78154 AU
direct	-5834 May 27 j 23:13	4°♌23'45	
evening set	-5834 Aug 29 j 20:04	7°♌45'02	
conjunction	-5834 Sep 14 j 11:31	8°♌42'58	0°53'13
minimum elong	-5834 Sep 14 j 11:31	8°♌42'58	0°53'31
max. Earth dist.	-5834 Sep 14 j 17:04	8°♌43'49	19.81567 AU
morning rise	-5834 Sep 30 j 01:20	9°♌40'40	
retrograde	-5834 Dec 30 j 22:04	12°♌58'18	
opposition	-5833 Mar 16 j 18:48	10°♌57'46	0°58'55
min. Earth dist.	-5833 Mar 16 j 11:55	10°♌58'29	17.85013 AU
direct	-5833 Jun 01 j 23:17	8°♌55'27	
evening set	-5833 Sep 03 j 12:19	12°♌15'21	

conjunction	-5833 Sep 19 j 03:04	13°♌12'57	0°52'36
minimum elong	-5833 Sep 19 j 03:04	13°♌12'57	0°52'53
max. Earth dist.	-5833 Sep 19 j 10:21	13°♌14'05	19.88473 AU
morning rise	-5833 Oct 04 j 16:37	14°♌10'23	
	-5833 Oct 18 j 19:21	15°♌	
retrograde	-5832 Jan 04 j 16:03	17°♌27'23	
opposition	-5832 Mar 20 j 17:48	15°♌26'56	0°58'01
min. Earth dist.	-5832 Mar 20 j 09:34	15°♌27'46	17.91970 AU
	-5832 Mar 31 j 17:04	15°℞♌	
direct	-5832 Jun 05 j 20:57	13°♌25'00	
	-5832 Aug 06 j 19:18	15°♌	
evening set	-5832 Sep 07 j 03:25	16°♌43'29	
conjunction	-5832 Sep 22 j 17:41	17°♌40'47	0°51'40
minimum elong	-5832 Sep 22 j 17:42	17°♌40'47	0°51'55
max. Earth dist.	-5832 Sep 23 j 03:29	17°♌42'17	19.95476 AU
morning rise	-5832 Oct 08 j 06:59	18°♌37'56	
retrograde	-5831 Jan 08 j 09:49	21°♌54'17	
opposition	-5831 Mar 25 j 16:01	19°♌53'53	0°56'47
min. Earth dist.	-5831 Mar 25 j 04:42	19°♌55'03	17.99005 AU
direct	-5831 Jun 10 j 19:25	17°♌52'20	
evening set	-5831 Sep 11 j 17:23	21°♌09'23	
conjunction	-5831 Sep 27 j 07:11	22°♌06'22	0°50'25
minimum elong	-5831 Sep 27 j 07:11	22°♌06'22	0°50'41
max. Earth dist.	-5831 Sep 27 j 19:10	22°♌08'12	20.02553 AU
morning rise	-5831 Oct 12 j 20:23	23°♌03'16	
retrograde	-5830 Jan 13 j 01:24	26°♌18'58	
opposition	-5830 Mar 30 j 13:32	24°♌18'37	0°55'13
min. Earth dist.	-5830 Mar 30 j 00:56	24°♌19'54	18.06137 AU
direct	-5830 Jun 15 j 15:18	22°♌17'26	
evening set	-5830 Sep 16 j 06:26	25°♌33'02	
conjunction	-5830 Oct 01 j 19:55	26°♌29'44	0°48'54
minimum elong	-5830 Oct 01 j 19:55	26°♌29'44	0°49'07
max. Earth dist.	-5830 Oct 02 j 10:14	26°♌31'55	20.09734 AU
morning rise	-5830 Oct 17 j 09:04	27°♌26'22	
	-5830 Dec 08 j 13:37	0°♍	
retrograde	-5829 Jan 17 j 17:42	0°♍41'24	
	-5829 Feb 28 j 08:31	30°℞♌	
opposition	-5829 Apr 04 j 09:46	28°♌41'06	0°53'21
min. Earth dist.	-5829 Apr 03 j 17:59	28°♌42'43	18.13363 AU
direct	-5829 Jun 20 j 11:26	26°♌40'18	
evening set	-5829 Sep 20 j 18:34	29°♌54'30	
	-5829 Sep 22 j 07:29	0°♍	
conjunction	-5829 Oct 06 j 07:45	0°♍50'54	0°47'07
minimum elong	-5829 Oct 06 j 07:46	0°♍50'54	0°47'19
max. Earth dist.	-5829 Oct 07 j 00:23	0°♍53'26	20.16999 AU
morning rise	-5829 Oct 21 j 20:57	1°♍47'18	
retrograde	-5828 Jan 22 j 07:25	5°♍01'41	
opposition	-5828 Apr 08 j 05:26	3°♍01'28	0°51'12
min. Earth dist.	-5828 Apr 07 j 12:30	3°♍03'12	18.20679 AU
direct	-5828 Jun 24 j 04:25	1°♍01'04	
evening set	-5828 Sep 24 j 05:41	4°♍13'52	
conjunction	-5828 Oct 09 j 18:41	5°♍10'00	0°45'05
minimum elong	-5828 Oct 09 j 18:41	5°♍10'00	0°45'15
max. Earth dist.	-5828 Oct 10 j 13:19	5°♍12'49	20.24354 AU
morning rise	-5828 Oct 25 j 08:00	6°♍06'09	
retrograde	-5827 Jan 25 j 22:45	9°♍19'55	
min. Earth dist.	-5827 Apr 12 j 04:00	7°♍21'51	18.28057 AU
opposition	-5827 Apr 13 j 00:08	7°♍19'48	0°48'47
direct	-5827 Jun 28 j 22:13	5°♍19'50	
evening set	-5827 Sep 28 j 16:05	8°♍31'16	
conjunction	-5827 Oct 14 j 05:00	9°♍27'08	0°42'48

Attention, astronomical year style is used: The year -5827 in astronomical counting style is the year 5828 BCE in historical counting style.

minimum elong	-5827 Oct 14 j 05:00	9°♑27'08	0°42'57
max. Earth dist.	-5827 Oct 15 j 01:59	9°♑30'18	20.31740 AU
morning rise	-5827 Oct 29 j 18:31	10°♑23'05	
retrograde	-5826 Jan 30 j 11:10	13°♑36'14	
opposition	-5826 Apr 17 j 18:04	11°♑36'14	0°46'06
min. Earth dist.	-5826 Apr 16 j 21:06	11°♑38'22	18.35451 AU
direct	-5826 Jul 03 j 12:44	9°♑36'42	
evening set	-5826 Oct 03 j 01:36	12°♑46'49	
conjunction	-5826 Oct 18 j 14:32	13°♑42'25	0°40'18
minimum elong	-5826 Oct 18 j 14:32	13°♑42'25	0°40'27
max. Earth dist.	-5826 Oct 19 j 13:02	13°♑45'48	20.39122 AU
morning rise	-5826 Nov 03 j 04:25	14°♑38'10	
retrograde	-5825 Feb 04 j 01:49	17°♑50'43	
min. Earth dist.	-5825 Apr 21 j 11:18	15°♑53'16	18.42790 AU
opposition	-5825 Apr 22 j 11:01	15°♑50'52	0°43'12
direct	-5825 Jul 08 j 04:05	13°♑51'45	
evening set	-5825 Oct 07 j 10:29	17°♑00'36	
conjunction	-5825 Oct 22 j 23:30	17°♑55'59	0°37'36
minimum elong	-5825 Oct 22 j 23:30	17°♑55'59	0°37'42
max. Earth dist.	-5825 Oct 24 j 00:07	17°♑59'39	20.46395 AU
morning rise	-5825 Nov 07 j 13:41	18°♑51'32	
retrograde	-5824 Feb 08 j 13:17	22°♑03'31	
min. Earth dist.	-5824 Apr 25 j 03:11	20°♑06'13	18.49995 AU
opposition	-5824 Apr 26 j 03:18	20°♑03'47	0°40'05
direct	-5824 Jul 11 j 17:07	18°♑05'07	
evening set	-5824 Oct 10 j 18:46	21°♑12'42	
conjunction	-5824 Oct 26 j 07:54	22°♑07'52	0°34'43
minimum elong	-5824 Oct 26 j 07:54	22°♑07'52	0°34'48
max. Earth dist.	-5824 Oct 27 j 09:30	22°♑11'41	20.53514 AU
morning rise	-5824 Nov 10 j 22:33	23°♑03'15	
retrograde	-5823 Feb 12 j 02:58	26°♑14'40	
opposition	-5823 Apr 30 j 18:46	24°♑15'05	0°36'46
min. Earth dist.	-5823 Apr 29 j 16:22	24°♑17'44	18.57005 AU
direct	-5823 Jul 16 j 06:27	22°♑16'48	
evening set	-5823 Oct 15 j 02:23	25°♑23'12	
conjunction	-5823 Oct 30 j 15:46	26°♑18'10	0°31'40
minimum elong	-5823 Oct 30 j 15:46	26°♑18'10	0°31'42
max. Earth dist.	-5823 Oct 31 j 19:12	26°♑22'13	20.60383 AU
morning rise	-5823 Nov 15 j 06:54	27°♑13'23	
	-5822 Jan 16 j 08:27	0°♎	
retrograde	-5822 Feb 16 j 13:45	0°♎24'16	
	-5822 Mar 20 j 15:51	30°℞♑	
min. Earth dist.	-5822 May 04 j 07:10	28°♑27'26	18.63731 AU
opposition	-5822 May 05 j 09:36	28°♑24'47	0°33'16
direct	-5822 Jul 20 j 18:26	26°♑26'53	
evening set	-5822 Oct 19 j 09:37	29°♑32'08	
	-5822 Oct 27 j 08:55	0°♎	
conjunction	-5822 Nov 03 j 23:16	0°♎26'54	0°28'27
minimum elong	-5822 Nov 03 j 23:17	0°♎26'54	0°28'28
max. Earth dist.	-5822 Nov 05 j 03:00	0°♎31'00	20.66945 AU
morning rise	-5822 Nov 19 j 15:01	1°♎21'58	
retrograde	-5821 Feb 21 j 02:19	4°♎32'20	
opposition	-5821 May 09 j 23:20	2°♎32'57	0°29'37
min. Earth dist.	-5821 May 08 j 19:14	2°♎35'46	18.70112 AU
direct	-5821 Jul 25 j 05:58	0°♎35'22	
evening set	-5821 Oct 23 j 16:16	3°♎39'32	
conjunction	-5821 Nov 08 j 06:21	4°♎34'08	0°25'06
minimum elong	-5821 Nov 08 j 06:21	4°♎34'08	0°25'07
max. Earth dist.	-5821 Nov 09 j 11:27	4°♎38'25	20.73117 AU
morning rise	-5821 Nov 23 j 22:38	5°♎29'04	
retrograde	-5820 Feb 25 j 11:50	8°♎38'55	
min. Earth dist.	-5820 May 12 j 08:42	6°♎42'23	18.76082 AU
opposition	-5820 May 13 j 12:36	6°♎39'35	0°25'50
direct	-5820 Jul 28 j 16:48	4°♎42'19	
evening set	-5820 Oct 26 j 22:19	7°♎45'25	
conjunction	-5820 Nov 11 j 12:46	8°♎39'52	0°21'40
minimum elong	-5820 Nov 11 j 12:46	8°♎39'52	0°21'38
max. Earth dist.	-5820 Nov 12 j 17:51	8°♎44'07	20.78881 AU
morning rise	-5820 Nov 27 j 05:49	9°♎34'40	
retrograde	-5819 Feb 28 j 23:30	12°♎44'03	
min. Earth dist.	-5819 May 16 j 19:45	10°♎47'39	18.81629 AU
opposition	-5819 May 18 j 01:01	10°♎44'44	0°21'57
direct	-5819 Aug 02 j 03:02	8°♎47'42	
evening set	-5819 Oct 31 j 03:55	11°♎49'47	
conjunction	-5819 Nov 15 j 18:57	12°♎44'06	0°18'07
minimum elong	-5819 Nov 15 j 18:57	12°♎44'06	0°18'05
max. Earth dist.	-5819 Nov 17 j 01:17	12°♎48'32	20.84203 AU
morning rise	-5819 Dec 01 j 12:41	13°♎38'49	
retrograde	-5818 Mar 05 j 07:40	16°♎47'42	
min. Earth dist.	-5818 May 21 j 07:41	14°♎51'16	18.86742 AU
opposition	-5818 May 22 j 12:33	14°♎48'23	0°17'59
direct	-5818 Aug 06 j 12:11	12°♎51'35	
evening set	-5818 Nov 04 j 09:03	15°♎52'43	
conjunction	-5818 Nov 20 j 00:37	16°♎46'54	0°14'31
minimum elong	-5818 Nov 20 j 00:37	16°♎46'54	0°14'27
behind sun begin	-5818 Nov 19 j 21:32	16°♎46'28	
behind sun end	-5818 Nov 20 j 03:42	16°♎47'20	
max. Earth dist.	-5818 Nov 21 j 06:43	16°♎51'17	20.89117 AU
morning rise	-5818 Dec 05 j 19:13	17°♎41'31	
retrograde	-5817 Mar 09 j 18:17	20°♎49'58	
opposition	-5817 May 26 j 23:18	18°♎50'37	0°13'58
min. Earth dist.	-5817 May 25 j 17:21	18°♎53'37	18.91458 AU
direct	-5817 Aug 10 j 21:11	16°♎53'59	
evening set	-5817 Nov 08 j 13:41	19°♎54'16	
conjunction	-5817 Nov 24 j 05:53	20°♎48'21	0°10'53
minimum elong	-5817 Nov 24 j 05:53	20°♎48'21	0°10'47
behind sun begin	-5817 Nov 24 j 00:49	20°♎47'38	
behind sun end	-5817 Nov 24 j 10:56	20°♎49'04	
max. Earth dist.	-5817 Nov 25 j 13:17	20°♎52'54	20.93627 AU
morning rise	-5817 Dec 10 j 01:11	21°♎42'54	
retrograde	-5816 Mar 13 j 01:36	24°♎50'55	
min. Earth dist.	-5816 May 29 j 03:44	22°♎54'32	18.95789 AU
opposition	-5816 May 30 j 09:23	22°♎51'34	0°09'54
direct	-5816 Aug 14 j 04:25	20°♎55'07	
evening set	-5816 Nov 11 j 18:05	23°♎54'35	
conjunction	-5816 Nov 27 j 10:52	24°♎48'35	0°07'12
minimum elong	-5816 Nov 27 j 10:52	24°♎48'35	0°07'05
behind sun begin	-5816 Nov 27 j 04:48	24°♎47'44	
behind sun end	-5816 Nov 27 j 16:56	24°♎49'26	
max. Earth dist.	-5816 Nov 28 j 17:59	24°♎53'05	20.97790 AU
morning rise	-5816 Dec 13 j 07:06	25°♎43'05	
retrograde	-5815 Mar 17 j 11:12	28°♎50'44	
opposition	-5815 Jun 03 j 18:44	26°♎51'23	0°05'48
min. Earth dist.	-5815 Jun 02 j 12:13	26°♎54'26	18.99784 AU
direct	-5815 Aug 18 j 12:16	24°♎55'04	
evening set	-5815 Nov 15 j 22:07	27°♎53'51	
conjunction	-5815 Dec 01 j 15:42	28°♎47'48	0°03'31
minimum elong	-5815 Dec 01 j 15:42	28°♎47'48	0°03'22
behind sun begin	-5815 Dec 01 j 09:10	28°♎46'53	
behind sun end	-5815 Dec 01 j 22:14	28°♎48'42	
max. Earth dist.	-5815 Dec 02 j 23:58	28°♎52'26	21.01599 AU
morning rise	-5815 Dec 17 j 12:45	29°♎42'15	

Attention, astronomical year style is used: The year -5815 in astronomical counting style is the year 5816 BCE in historical counting style.

	-5815 Dec 22 j 20:29	0°♏	
retrograde	-5814 Mar 21 j 18:35	2°♏49'35	
min. Earth dist.	-5814 Jun 06 j 21:26	0°♏53'15	19.03417 AU
opposition	-5814 Jun 08 j 03:32	0°♏50'14	0°01'42
	-5814 Jun 29 j 19:16	30°℞♎	
direct	-5814 Aug 22 j 18:08	28°♎54'06	
	-5814 Oct 13 j 08:25	0°♏	
desc. node	-5814 Nov 09 j 00:45	1°♏15'59	
evening set	-5814 Nov 20 j 02:06	1°♏52'15	
conjunction	-5814 Dec 05 j 20:21	2°♏46'09	-0°00'17
minimum elong	-5814 Dec 05 j 20:22	2°♏46'09	0°00'27
behind sun begin	-5814 Dec 05 j 13:49	2°♏45'14	
behind sun end	-5814 Dec 06 j 02:55	2°♏47'04	
max. Earth dist.	-5814 Dec 07 j 04:00	2°♏50'42	21.05059 AU
morning rise	-5814 Dec 21 j 18:25	3°♏40'35	
retrograde	-5813 Mar 26 j 03:18	6°♏47'39	
min. Earth dist.	-5813 Jun 11 j 05:02	4°♏51'23	19.06693 AU
opposition	-5813 Jun 12 j 11:35	4°♏48'20	-0°02'24
direct	-5813 Aug 27 j 00:37	2°♏52'21	
evening set	-5813 Nov 24 j 05:52	5°♏49'59	
conjunction	-5813 Dec 10 j 01:01	6°♏43'51	-0°04'02
minimum elong	-5813 Dec 10 j 01:00	6°♏43'51	0°04'13
behind sun begin	-5813 Dec 09 j 18:31	6°♏42'57	
behind sun end	-5813 Dec 10 j 07:29	6°♏44'46	
max. Earth dist.	-5813 Dec 11 j 09:29	6°♏48'31	21.08135 AU
morning rise	-5813 Dec 25 j 23:53	7°♏38'16	
retrograde	-5812 Mar 29 j 10:44	10°♏45'08	
opposition	-5812 Jun 15 j 19:21	8°♏45'51	-0°06'28
min. Earth dist.	-5812 Jun 14 j 13:26	8°♏48'50	19.09568 AU
direct	-5812 Aug 30 j 05:53	6°♏50'02	
evening set	-5812 Nov 27 j 09:33	9°♏47'12	
conjunction	-5812 Dec 13 j 05:27	10°♏41'04	-0°07'41
minimum elong	-5812 Dec 13 j 05:27	10°♏41'04	0°07'53
behind sun begin	-5812 Dec 12 j 23:31	10°♏40'15	
behind sun end	-5812 Dec 13 j 11:22	10°♏41'53	
max. Earth dist.	-5812 Dec 14 j 12:59	10°♏45'34	21.10811 AU
morning rise	-5812 Dec 29 j 05:25	11°♏35'30	
retrograde	-5811 Apr 02 j 19:01	14°♏42'11	
min. Earth dist.	-5811 Jun 18 j 20:45	12°♏45'56	19.12025 AU
opposition	-5811 Jun 20 j 02:40	12°♏42'56	-0°10'31
direct	-5811 Sep 03 j 11:02	10°♏47'15	
evening set	-5811 Dec 01 j 13:24	13°♏44'04	
conjunction	-5811 Dec 17 j 10:15	14°♏37'57	-0°11'18
minimum elong	-5811 Dec 17 j 10:14	14°♏37'57	0°11'32
behind sun begin	-5811 Dec 17 j 05:29	14°♏37'17	
behind sun end	-5811 Dec 17 j 15:00	14°♏38'37	
max. Earth dist.	-5811 Dec 18 j 18:11	14°♏42'30	21.13025 AU
	-5811 Dec 23 j 20:55	15°♏	
morning rise	-5810 Jan 02 j 11:05	15°♏32'25	
retrograde	-5810 Apr 07 j 02:17	18°♏38'57	
min. Earth dist.	-5810 Jun 23 j 04:38	16°♏42'38	19.13992 AU
opposition	-5810 Jun 24 j 09:27	16°♏39'45	-0°14'30
	-5810 Aug 13 j 10:10	15°℞♏	
direct	-5810 Sep 07 j 16:04	14°♏44'10	
	-5810 Oct 02 j 11:34	15°♏	
evening set	-5810 Dec 05 j 17:28	17°♏40'43	
conjunction	-5810 Dec 21 j 15:08	18°♏34'38	-0°14'53
minimum elong	-5810 Dec 21 j 15:08	18°♏34'38	0°15'07
behind sun begin	-5810 Dec 21 j 12:48	18°♏34'18	
behind sun end	-5810 Dec 21 j 17:27	18°♏34'57	
max. Earth dist.	-5810 Dec 22 j 21:30	18°♏38'57	21.14744 AU
morning rise	-5809 Jan 06 j 17:03	19°♏29'08	
retrograde	-5809 Apr 11 j 10:16	22°♏35'35	
min. Earth dist.	-5809 Jun 27 j 11:44	20°♏39'14	19.15442 AU
opposition	-5809 Jun 28 j 16:01	20°♏36'24	-0°18'25
direct	-5809 Sep 11 j 20:23	18°♏40'52	
evening set	-5809 Dec 09 j 21:31	21°♏37'13	
conjunction	-5809 Dec 25 j 20:09	22°♏31'11	-0°18'23
minimum elong	-5809 Dec 25 j 20:09	22°♏31'11	0°18'39
max. Earth dist.	-5809 Dec 27 j 02:28	22°♏35'29	21.15898 AU
morning rise	-5808 Jan 10 j 22:56	23°♏25'44	
retrograde	-5808 Apr 14 j 17:09	26°♏32'08	
opposition	-5808 Jul 01 j 22:21	24°♏32'57	-0°22'15
min. Earth dist.	-5808 Jun 30 j 19:24	24°♏35'39	19.16301 AU
direct	-5808 Sep 15 j 01:19	22°♏37'27	
evening set	-5808 Dec 13 j 01:58	25°♏33'39	
conjunction	-5808 Dec 29 j 01:30	26°♏27'40	-0°21'48
minimum elong	-5808 Dec 29 j 01:29	26°♏27'40	0°22'04
max. Earth dist.	-5808 Dec 30 j 05:47	26°♏31'41	21.16467 AU
morning rise	-5807 Jan 14 j 05:24	27°♏22'18	
	-5807 Mar 15 j 05:50	0°♐	
retrograde	-5807 Apr 19 j 01:25	0°♐28'40	
	-5807 May 24 j 08:32	30°℞♏	
min. Earth dist.	-5807 Jul 05 j 02:25	28°♏32'02	19.16562 AU
opposition	-5807 Jul 06 j 04:22	28°♏29'26	-0°25'58
direct	-5807 Sep 19 j 05:29	26°♏33'52	
evening set	-5807 Dec 17 j 06:34	29°♏30'01	
	-5807 Dec 26 j 04:54	0°♐	
conjunction	-5806 Jan 02 j 07:11	0°♐24'07	-0°25'06
minimum elong	-5806 Jan 02 j 07:11	0°♐24'07	0°25'24
max. Earth dist.	-5806 Jan 03 j 10:59	0°♐28'04	21.16408 AU
morning rise	-5806 Jan 18 j 12:01	1°♐18'50	
retrograde	-5806 Apr 23 j 07:40	4°♐25'10	
min. Earth dist.	-5806 Jul 09 j 09:48	2°♐28'19	19.16186 AU
opposition	-5806 Jul 10 j 10:11	2°♐25'52	-0°29'34
direct	-5806 Sep 23 j 10:04	0°♐30'13	
evening set	-5806 Dec 21 j 11:26	3°♐26'21	
conjunction	-5805 Jan 06 j 12:58	4°♐20'33	-0°28'18
minimum elong	-5805 Jan 06 j 12:57	4°♐20'33	0°28'36
max. Earth dist.	-5805 Jan 07 j 14:31	4°♐24'10	21.15740 AU
morning rise	-5805 Jan 22 j 18:54	5°♐15'21	
retrograde	-5805 Apr 27 j 15:59	8°♐21'41	
opposition	-5805 Jul 14 j 15:40	6°♐22'17	-0°33'01
min. Earth dist.	-5805 Jul 13 j 16:29	6°♐24'37	19.15224 AU
direct	-5805 Sep 27 j 14:15	4°♐26'29	
evening set	-5805 Dec 25 j 16:27	7°♐22'41	
conjunction	-5804 Jan 10 j 19:04	8°♐17'00	-0°31'21
minimum elong	-5804 Jan 10 j 19:04	8°♐17'00	0°31'40
max. Earth dist.	-5804 Jan 11 j 20:10	8°♐20'33	21.14496 AU
morning rise	-5804 Jan 27 j 01:54	9°♐11'55	
retrograde	-5804 Apr 30 j 21:55	12°♐18'17	
opposition	-5804 Jul 17 j 21:00	10°♐18'45	-0°36'18
min. Earth dist.	-5804 Jul 16 j 23:20	10°♐20'56	19.13714 AU
direct	-5804 Sep 30 j 18:21	8°♐22'46	
evening set	-5804 Dec 28 j 21:45	11°♐19'06	
conjunction	-5803 Jan 14 j 01:20	12°♐13'33	-0°34'15
minimum elong	-5803 Jan 14 j 01:19	12°♐13'33	0°34'35
max. Earth dist.	-5803 Jan 15 j 00:14	12°♐16'47	21.12751 AU
morning rise	-5803 Jan 30 j 09:19	13°♐08'35	
retrograde	-5803 May 05 j 06:15	16°♐15'03	
min. Earth dist.	-5803 Jul 21 j 05:48	14°♐17'26	19.11732 AU
opposition	-5803 Jul 22 j 02:12	14°♐15'22	-0°39'25
direct	-5803 Oct 04 j 22:29	12°♐19'11	

Attention, astronomical year style is used: The year -5802 in astronomical counting style is the year 5803 BCE in historical counting style.

evening set	-5802 Jan 02 j 03:29	15°♐15'45		
conjunction	-5802 Jan 18 j 08:11	16°♐10'21	-0°36'59	
minimum elong	-5802 Jan 18 j 08:11	16°♐10'21	0°37'19	
max. Earth dist.	-5802 Jan 19 j 06:34	16°♐13'31	21.10537 AU	
morning rise	-5802 Feb 03 j 17:01	17°♐05'32		
retrograde	-5802 May 09 j 12:54	20°♐12'06		
opposition	-5802 Jul 26 j 07:08	18°♐12'18	-0°42'21	
min. Earth dist.	-5802 Jul 25 j 12:14	18°♐14'14	19.09304 AU	
direct	-5802 Oct 09 j 02:27	16°♐15'55		
evening set	-5801 Jan 06 j 09:40	19°♐12'49		
conjunction	-5801 Jan 22 j 15:18	20°♐07'34	-0°39'33	
minimum elong	-5801 Jan 22 j 15:18	20°♐07'34	0°39'54	
max. Earth dist.	-5801 Jan 23 j 11:17	20°♐10'24	21.07918 AU	
morning rise	-5801 Feb 08 j 01:13	21°♐02'54		
retrograde	-5801 May 13 j 21:16	24°♐09'40		
opposition	-5801 Jul 30 j 12:12	22°♐09'45	-0°45'06	
min. Earth dist.	-5801 Jul 29 j 18:37	22°♐11'32	19.06496 AU	
direct	-5801 Oct 13 j 06:26	20°♐13'08		
evening set	-5800 Jan 10 j 16:05	23°♐10'27		
conjunction	-5800 Jan 26 j 22:51	24°♐05'23	-0°41'56	
minimum elong	-5800 Jan 26 j 22:50	24°♐05'23	0°42'17	
max. Earth dist.	-5800 Jan 27 j 18:17	24°♐08'08	21.04916 AU	
morning rise	-5800 Feb 12 j 09:34	25°♐00'53		
retrograde	-5800 May 17 j 05:07	28°♐07'53		
opposition	-5800 Aug 02 j 17:20	26°♐07'53	-0°47'38	
min. Earth dist.	-5800 Aug 02 j 01:11	26°♐09'32	19.03308 AU	
direct	-5800 Oct 16 j 10:37	24°♐11'05		
evening set	-5799 Jan 13 j 23:19	27°♐08'53		
conjunction	-5799 Jan 30 j 07:01	28°♐04'01	-0°44'08	
minimum elong	-5799 Jan 30 j 07:01	28°♐04'01	0°44'29	
max. Earth dist.	-5799 Jan 30 j 23:51	28°♐06'24	21.01563 AU	
morning rise	-5799 Feb 15 j 18:49	28°♐59'43		
	-5799 Mar 06 j 18:10	0°♑		
retrograde	-5799 May 21 j 13:59	2°♑07'00		
opposition	-5799 Aug 06 j 22:30	0°♑06'55	-0°49'57	
min. Earth dist.	-5799 Aug 06 j 07:56	0°♑08'25	18.99779 AU	
	-5799 Aug 09 j 18:11	30°℞♐		
direct	-5799 Oct 20 j 14:48	28°♐09'53		
	-5799 Dec 27 j 14:14	0°♑		
evening set	-5798 Jan 18 j 07:08	1°♑08'19		
conjunction	-5798 Feb 03 j 15:59	2°♑03'40	-0°46'07	
minimum elong	-5798 Feb 03 j 15:59	2°♑03'40	0°46'29	
max. Earth dist.	-5798 Feb 04 j 07:58	2°♑05'56	20.97850 AU	
morning rise	-5798 Feb 20 j 04:33	2°♑59'33		
retrograde	-5798 May 25 j 22:54	6°♑07'09		
opposition	-5798 Aug 11 j 03:55	4°♑07'03	-0°52'03	
min. Earth dist.	-5798 Aug 10 j 14:59	4°♑08'22	18.95878 AU	
direct	-5798 Oct 24 j 19:24	2°♑09'49		
evening set	-5797 Jan 22 j 15:41	5°♑08'55		
conjunction	-5797 Feb 08 j 01:23	6°♑04'29	-0°47'54	
minimum elong	-5797 Feb 08 j 01:23	6°♑04'29	0°48'15	
max. Earth dist.	-5797 Feb 08 j 14:27	6°♑06'20	20.93775 AU	
morning rise	-5797 Feb 24 j 14:56	7°♑00'35		
retrograde	-5797 May 30 j 08:44	10°♑08'35		
opposition	-5797 Aug 15 j 09:35	8°♑08'25	-0°53'54	
min. Earth dist.	-5797 Aug 14 j 22:31	8°♑09'33	18.91614 AU	
direct	-5797 Oct 29 j 00:15	6°♑10'57		
evening set	-5796 Jan 27 j 00:57	9°♑10'50		
conjunction	-5796 Feb 12 j 11:46	10°♑06'39	-0°49'27	
minimum elong	-5796 Feb 12 j 11:46	10°♑06'39	0°49'50	
max. Earth dist.	-5796 Feb 12 j 23:45	10°♑08'21	20.89312 AU	
morning rise	-5796 Feb 29 j 01:58	11°♑02'58		
retrograde	-5796 Jun 02 j 18:43	14°♑11'23		
opposition	-5796 Aug 18 j 15:30	12°♑11'11	-0°55'30	
min. Earth dist.	-5796 Aug 18 j 06:19	12°♑12'08	18.86944 AU	
direct	-5796 Nov 01 j 05:32	10°♑13'28		
evening set	-5795 Jan 30 j 11:09	13°♑14'11		
conjunction	-5795 Feb 15 j 22:50	14°♑10'15	-0°50'46	
minimum elong	-5795 Feb 15 j 22:50	14°♑10'15	0°51'07	
max. Earth dist.	-5795 Feb 16 j 07:25	14°♑11'28	20.84441 AU	
morning rise	-5795 Mar 04 j 14:01	15°♑06'48		
retrograde	-5795 Jun 07 j 05:46	18°♑15'40		
opposition	-5795 Aug 22 j 21:55	16°♑15'24	-0°56'49	
min. Earth dist.	-5795 Aug 22 j 15:03	16°♑16'07	18.81853 AU	
direct	-5795 Nov 05 j 11:21	14°♑17'24		
evening set	-5794 Feb 03 j 22:12	17°♑19'01		
conjunction	-5794 Feb 20 j 10:58	18°♑15'21	-0°51'50	
minimum elong	-5794 Feb 20 j 10:58	18°♑15'21	0°52'11	
max. Earth dist.	-5794 Feb 20 j 18:02	18°♑16'22	20.79116 AU	
morning rise	-5794 Mar 09 j 02:40	19°♑12'08		
retrograde	-5794 Jun 11 j 17:01	22°♑21'28		
opposition	-5794 Aug 27 j 04:33	20°♑21'07	-0°57'52	
min. Earth dist.	-5794 Aug 26 j 23:43	20°♑21'37	18.76297 AU	
direct	-5794 Nov 09 j 18:02	18°♑22'47		
evening set	-5793 Feb 08 j 10:08	21°♑25'21		
conjunction	-5793 Feb 24 j 23:40	22°♑21'58	-0°52'38	
minimum elong	-5793 Feb 24 j 23:40	22°♑21'58	0°52'58	
max. Earth dist.	-5793 Feb 25 j 03:00	22°♑22'26	20.73349 AU	
morning rise	-5793 Mar 13 j 16:14	23°♑19'00		
retrograde	-5793 Jun 16 j 04:42	26°♑28'48		
opposition	-5793 Aug 31 j 11:47	24°♑28'19	-0°58'37	
min. Earth dist.	-5793 Aug 31 j 09:26	24°♑28'33	18.70316 AU	
direct	-5793 Nov 14 j 00:38	22°♑29'36		
evening set	-5792 Feb 12 j 22:37	25°♑33'10		
conjunction	-5792 Feb 29 j 13:12	26°♑30'03	-0°53'09	
minimum elong	-5792 Feb 29 j 13:12	26°♑30'03	0°53'29	
max. Earth dist.	-5792 Feb 29 j 15:05	26°♑30'20	20.67162 AU	
morning rise	-5792 Mar 17 j 06:16	27°♑27'20		
	-5792 May 11 j 14:16	0°♒		
retrograde	-5792 Jun 19 j 17:24	0°♒37'38		
	-5792 Jul 29 j 06:08	30°℞♑		
opposition	-5792 Sep 03 j 19:23	28°♑36'59	-0°59'04	
min. Earth dist.	-5792 Sep 03 j 18:55	28°♑37'02	18.63930 AU	
direct	-5792 Nov 17 j 09:06	26°♑37'52		
evening set	-5791 Feb 16 j 12:14	29°♑42'28		
	-5791 Feb 21 j 16:00	0°♒		
conjunction	-5791 Mar 05 j 03:32	0°♒39'39	-0°53'25	
minimum elong	-5791 Mar 05 j 03:32	0°♒39'39	0°53'44	
max. Earth dist.	-5791 Mar 05 j 01:40	0°♒39'23	20.60614 AU	
morning rise	-5791 Mar 21 j 21:22	1°♒37'12		
retrograde	-5791 Jun 24 j 05:31	4°♒47'59		
opposition	-5791 Sep 08 j 03:20	2°♒47'10	-0°59'12	
min. Earth dist.	-5791 Sep 08 j 05:29	2°♒46'56	18.57230 AU	
direct	-5791 Nov 21 j 16:40	0°♒47'35		
evening set	-5790 Feb 21 j 02:35	3°♒53'17		
conjunction	-5790 Mar 09 j 18:51	4°♒50'47	-0°53'23	
minimum elong	-5790 Mar 09 j 18:51	4°♒50'47	0°53'41	
max. Earth dist.	-5790 Mar 09 j 15:39	4°♒50'19	20.53775 AU	
morning rise	-5790 Mar 26 j 13:01	5°♒48'35		
retrograde	-5790 Jun 28 j 19:34	8°♒59'52		
opposition	-5790 Sep 12 j 11:50	6°♒58'52	-0°59'02	

Attention, astronomical year style is used: The year -5790 in astronomical counting style is the year 5791 BCE in historical counting style.

min. Earth dist.	-5790 Sep 12 j 15:37	6°♒58'29	18.50270 AU
direct	-5790 Nov 26 j 02:37	4°♒58'51	
evening set	-5789 Feb 25 j 17:45	8°♒05'41	
conjunction	-5789 Mar 14 j 10:34	9°♒03'29	-0°53'04
minimum elong	-5789 Mar 14 j 10:34	9°♒03'29	0°53'22
max. Earth dist.	-5789 Mar 14 j 03:52	9°♒02'30	20.46724 AU
morning rise	-5789 Mar 31 j 05:21	10°♒01'33	
retrograde	-5789 Jul 03 j 08:21	13°♒13'23	
opposition	-5789 Sep 16 j 20:57	11°♒12'12	-0°58'33
min. Earth dist.	-5789 Sep 17 j 03:08	11°♒11'33	18.43150 AU
direct	-5789 Nov 30 j 11:50	9°♒11'42	
evening set	-5788 Mar 01 j 09:45	12°♒19'45	
conjunction	-5788 Mar 18 j 03:26	13°♒17'51	-0°52'28
minimum elong	-5788 Mar 18 j 03:26	13°♒17'51	0°52'44
max. Earth dist.	-5788 Mar 17 j 19:38	13°♒16'43	20.39541 AU
morning rise	-5788 Apr 03 j 22:26	14°♒16'11	
	-5788 Apr 17 j 02:58	15°♒	
retrograde	-5788 Jul 06 j 23:17	17°♒28'34	
opposition	-5788 Sep 20 j 06:29	15°♒27'14	-0°57'44
min. Earth dist.	-5788 Sep 20 j 13:59	15°♒26'26	18.35922 AU
	-5788 Oct 01 j 00:46	15°℞♒	
direct	-5788 Dec 03 j 22:48	13°♒26'17	
	-5787 Feb 03 j 19:34	15°♒	
evening set	-5787 Mar 06 j 02:53	16°♒35'34	
conjunction	-5787 Mar 22 j 21:02	17°♒33'59	-0°51'34
minimum elong	-5787 Mar 22 j 21:03	17°♒33'59	0°51'50
max. Earth dist.	-5787 Mar 22 j 09:49	17°♒32'21	20.32288 AU
morning rise	-5787 Apr 08 j 16:31	18°♒32'36	
retrograde	-5787 Jul 11 j 13:29	21°♒45'35	
opposition	-5787 Sep 24 j 16:52	19°♒44'04	-0°56'37
min. Earth dist.	-5787 Sep 25 j 02:46	19°♒43'01	18.28662 AU
direct	-5787 Dec 08 j 09:55	17°♒42'40	
evening set	-5786 Mar 10 j 20:46	20°♒53'17	
conjunction	-5786 Mar 27 j 15:38	21°♒52'01	-0°50'23
minimum elong	-5786 Mar 27 j 15:39	21°♒52'01	0°50'38
max. Earth dist.	-5786 Mar 27 j 03:23	21°♒50'13	20.25021 AU
morning rise	-5786 Apr 13 j 11:10	22°♒50'54	
retrograde	-5786 Jul 16 j 05:25	26°♒04'28	
opposition	-5786 Sep 29 j 03:49	24°♒02'52	-0°55'10
min. Earth dist.	-5786 Sep 29 j 14:44	24°♒01'41	18.21402 AU
direct	-5786 Dec 12 j 22:21	22°♒01'04	
evening set	-5785 Mar 15 j 15:47	25°♒13'01	
conjunction	-5785 Apr 01 j 10:58	26°♒12'03	-0°48'55
minimum elong	-5785 Apr 01 j 10:59	26°♒12'03	0°49'08
max. Earth dist.	-5785 Mar 31 j 19:31	26°♒09'47	20.17786 AU
morning rise	-5785 Apr 18 j 06:46	27°♒11'12	
	-5785 Jun 19 j 13:57	0°♓	
retrograde	-5785 Jul 20 j 21:05	0°♓25'26	
	-5785 Aug 21 j 08:53	30°℞♒	
opposition	-5785 Oct 03 j 15:40	28°♒23'43	-0°53'23
min. Earth dist.	-5785 Oct 04 j 05:00	28°♒22'17	18.14204 AU
direct	-5785 Dec 17 j 11:00	26°♒21'31	
evening set	-5784 Mar 19 j 11:33	29°♒34'52	
	-5784 Mar 26 j 15:51	0°♓	
conjunction	-5784 Apr 05 j 07:20	0°♓34'14	-0°47'09
minimum elong	-5784 Apr 05 j 07:20	0°♓34'14	0°47'22
max. Earth dist.	-5784 Apr 04 j 14:51	0°♓31'48	20.10619 AU
morning rise	-5784 Apr 22 j 03:07	1°♓33'39	
retrograde	-5784 Jul 24 j 14:43	4°♓48'32	
opposition	-5784 Oct 07 j 04:14	2°♓46'46	-0°51'17
min. Earth dist.	-5784 Oct 07 j 18:31	2°♓45'14	18.07059 AU
direct	-5784 Dec 21 j 01:28	0°♓44'12	
evening set	-5783 Mar 24 j 08:43	3°♓58'59	
max. Earth dist.	-5783 Apr 09 j 09:05	4°♓55'44	20.03504 AU
conjunction	-5783 Apr 10 j 04:40	4°♓58'39	-0°45'05
minimum elong	-5783 Apr 10 j 04:41	4°♓58'39	0°45'15
morning rise	-5783 Apr 27 j 00:30	5°♓58'20	
retrograde	-5783 Jul 29 j 07:48	9°♓13'52	
opposition	-5783 Oct 11 j 17:43	7°♓12'04	-0°48'51
min. Earth dist.	-5783 Oct 12 j 10:42	7°♓10'14	17.99980 AU
direct	-5783 Dec 25 j 15:58	5°♓09'08	
evening set	-5782 Mar 29 j 06:46	8°♓25'22	
max. Earth dist.	-5782 Apr 14 j 06:10	9°♓22'13	19.96449 AU
conjunction	-5782 Apr 15 j 03:03	9°♓25'21	-0°42'45
minimum elong	-5782 Apr 15 j 03:03	9°♓25'21	0°42'54
morning rise	-5782 May 01 j 22:40	10°♓25'16	
retrograde	-5782 Aug 03 j 03:06	13°♓41'29	
opposition	-5782 Oct 16 j 08:06	11°♓39'38	-0°46'06
min. Earth dist.	-5782 Oct 17 j 01:58	11°♓37'42	17.92947 AU
direct	-5782 Dec 30 j 08:48	9°♓36'22	
evening set	-5781 Apr 03 j 05:45	12°♓54'01	
max. Earth dist.	-5781 Apr 19 j 02:24	13°♓50'44	19.89433 AU
conjunction	-5781 Apr 20 j 02:03	13°♓54'17	-0°40'07
minimum elong	-5781 Apr 20 j 02:03	13°♓54'17	0°40'14
morning rise	-5781 May 06 j 21:28	14°♓54'27	
retrograde	-5781 Aug 07 j 21:27	18°♓11'20	
opposition	-5781 Oct 20 j 23:32	16°♓09'25	-0°43'02
min. Earth dist.	-5781 Oct 21 j 20:07	16°♓07'11	17.85966 AU
direct	-5780 Jan 04 j 01:26	14°♓05'46	
evening set	-5780 Apr 07 j 05:43	17°♓24'51	
max. Earth dist.	-5780 Apr 23 j 00:54	18°♓21'36	19.82483 AU
conjunction	-5780 Apr 24 j 02:08	18°♓25'24	-0°37'13
minimum elong	-5780 Apr 24 j 02:08	18°♓25'24	0°37'19
morning rise	-5780 May 10 j 21:14	19°♓25'47	
retrograde	-5780 Aug 11 j 18:04	22°♓43'18	
opposition	-5780 Oct 24 j 15:36	20°♓41'19	-0°39'41
min. Earth dist.	-5780 Oct 25 j 12:56	20°♓39'00	17.79051 AU
direct	-5779 Jan 07 j 20:55	18°♓37'17	
evening set	-5779 Apr 12 j 06:41	21°♓57'46	
max. Earth dist.	-5779 Apr 27 j 23:27	22°♓54'24	19.75609 AU
conjunction	-5779 Apr 29 j 02:59	22°♓58'34	-0°34'04
minimum elong	-5779 Apr 29 j 03:00	22°♓58'34	0°34'09
morning rise	-5779 May 15 j 21:38	23°♓59'11	
retrograde	-5779 Aug 16 j 13:24	27°♓17'17	
opposition	-5779 Oct 29 j 08:48	25°♓15'14	-0°36'03
min. Earth dist.	-5779 Oct 30 j 08:41	25°♓12'38	17.72247 AU
direct	-5778 Jan 12 j 15:29	23°♓10'48	
evening set	-5778 Apr 17 j 08:14	26°♓32'39	
max. Earth dist.	-5778 May 02 j 23:15	27°♓29'16	19.68888 AU
conjunction	-5778 May 04 j 04:21	27°♓33'41	-0°30'40
minimum elong	-5778 May 04 j 04:21	27°♓33'41	0°30'43
morning rise	-5778 May 20 j 22:31	28°♓34'30	
	-5778 Jun 15 j 11:02	0°♈	
retrograde	-5778 Aug 21 j 11:28	1°♈53'11	
	-5778 Oct 30 j 16:14	30°℞♓	
opposition	-5778 Nov 03 j 02:41	29°♓51'01	-0°32'10
min. Earth dist.	-5778 Nov 04 j 02:55	29°♓48'23	17.65623 AU
direct	-5777 Jan 17 j 13:19	27°♓46'12	
	-5777 Apr 02 j 03:01	0°♈	
evening set	-5777 Apr 22 j 10:32	1°♈09'21	
max. Earth dist.	-5777 May 08 j 00:01	2°♈05'59	19.62375 AU

Attention, astronomical year style is used: The year -5777 in astronomical counting style is the year 5778 BCE in historical counting style.

conjunction	-5777 May 09 j 06:24	2°♈10'38	-0°27'04
minimum elong	-5777 May 09 j 06:25	2°♈10'38	0°27'05
morning rise	-5777 May 25 j 23:53	3°♈11'37	
retrograde	-5777 Aug 26 j 08:00	6°♈30'50	
opposition	-5777 Nov 07 j 21:27	4°♈28'35	-0°28'03
min. Earth dist.	-5777 Nov 08 j 23:50	4°♈25'42	17.59259 AU
direct	-5776 Jan 22 j 09:28	2°♈23'22	
evening set	-5776 Apr 26 j 13:27	5°♈47'47	
max. Earth dist.	-5776 May 12 j 01:02	6°♈44'22	19.56173 AU
conjunction	-5776 May 13 j 08:54	6°♈49'16	-0°23'15
minimum elong	-5776 May 13 j 08:54	6°♈49'16	0°23'15
morning rise	-5776 May 30 j 01:50	7°♈50'26	
retrograde	-5776 Aug 30 j 07:12	11°♈10'09	
opposition	-5776 Nov 11 j 16:58	9°♈07'48	-0°23'44
min. Earth dist.	-5776 Nov 12 j 19:23	9°♈04'54	17.53230 AU
direct	-5775 Jan 26 j 08:31	7°♈02'13	
evening set	-5775 May 01 j 16:58	10°♈27'50	
max. Earth dist.	-5775 May 17 j 03:51	11°♈24'33	19.50327 AU
conjunction	-5775 May 18 j 12:00	11°♈29'31	-0°19'17
minimum elong	-5775 May 18 j 12:00	11°♈29'31	0°19'14
morning rise	-5775 Jun 04 j 03:57	12°♈30'48	
retrograde	-5775 Sep 04 j 05:16	15°♈51'00	
opposition	-5775 Nov 16 j 13:27	13°♈48'34	-0°19'13
min. Earth dist.	-5775 Nov 17 j 17:26	13°♈45'30	17.47604 AU
direct	-5774 Jan 31 j 06:32	11°♈42'39	
evening set	-5774 May 06 j 21:02	15°♈09'25	
max. Earth dist.	-5774 May 22 j 05:54	16°♈06'04	19.44940 AU
conjunction	-5774 May 23 j 15:18	16°♈11'14	-0°15'10
minimum elong	-5774 May 23 j 15:18	16°♈11'14	0°15'06
behind sun begin	-5774 May 23 j 13:16	16°♈10'56	
behind sun end	-5774 May 23 j 17:20	16°♈11'33	
morning rise	-5774 Jun 09 j 06:32	17°♈12'39	
retrograde	-5774 Sep 09 j 05:07	20°♈33'19	
opposition	-5774 Nov 21 j 10:41	18°♈30'48	-0°14'34
min. Earth dist.	-5774 Nov 22 j 14:17	18°♈27'46	17.42475 AU
direct	-5773 Feb 05 j 06:32	16°♈24'36	
evening set	-5773 May 12 j 01:14	19°♈52'25	
max. Earth dist.	-5773 May 27 j 10:18	20°♈49'18	19.40065 AU
conjunction	-5773 May 28 j 18:57	20°♈54'23	-0°10'57
minimum elong	-5773 May 28 j 18:57	20°♈54'23	0°10'50
behind sun begin	-5773 May 28 j 13:51	20°♈53'36	
behind sun end	-5773 May 29 j 00:03	20°♈55'09	
morning rise	-5773 Jun 14 j 09:04	21°♈55'52	
retrograde	-5773 Sep 14 j 04:13	25°♈16'58	
opposition	-5773 Nov 26 j 08:51	23°♈14'25	-0°09'47
min. Earth dist.	-5773 Nov 27 j 13:18	23°♈11'18	17.37880 AU
direct	-5772 Feb 10 j 06:29	21°♈08'00	
evening set	-5772 May 16 j 06:10	24°♈36'48	
conjunction	-5772 Jun 01 j 22:54	25°♈38'52	-0°06'38
minimum elong	-5772 Jun 01 j 22:54	25°♈38'52	0°06'31
behind sun begin	-5772 Jun 01 j 16:34	25°♈37'54	
behind sun end	-5772 Jun 02 j 05:15	25°♈39'50	
max. Earth dist.	-5772 May 31 j 13:07	25°♈33'35	19.35763 AU
morning rise	-5772 Jun 18 j 12:09	26°♈40'26	
	-5772 Sep 09 j 22:29	0°♉	
retrograde	-5772 Sep 18 j 04:04	0°♉01'55	
	-5772 Sep 26 j 08:42	30°℞♈	
opposition	-5772 Nov 30 j 07:34	27°♈59'23	-0°04'55
min. Earth dist.	-5772 Dec 01 j 11:34	27°♈56'18	17.33876 AU
direct	-5771 Feb 14 j 07:50	25°♈52'46	
evening set	-5771 May 21 j 11:18	29°♈22'30	
	-5771 May 31 j 13:53	0°♉	
max. Earth dist.	-5771 Jun 05 j 18:49	0°♉19'34	19.32053 AU
conjunction	-5771 Jun 07 j 03:19	0°♉24'39	-0°02'14
minimum elong	-5771 Jun 07 j 03:18	0°♉24'39	0°02'05
behind sun begin	-5771 Jun 06 j 20:33	0°♉23'37	
behind sun end	-5771 Jun 07 j 10:03	0°♉25'41	
morning rise	-5771 Jun 23 j 15:15	1°♉26'15	
retrograde	-5771 Sep 23 j 04:17	4°♉48'06	
asc. node	-5771 Dec 03 j 20:05	2°♉49'29	
opposition	-5771 Dec 05 j 07:19	2°♉45'37	0°00'01
min. Earth dist.	-5771 Dec 06 j 11:35	2°♉42'31	17.30459 AU
direct	-5770 Feb 19 j 10:20	0°♉38'55	
evening set	-5770 May 26 j 16:43	4°♉09'27	
max. Earth dist.	-5770 Jun 10 j 22:17	5°♉06'25	19.28937 AU
conjunction	-5770 Jun 12 j 07:32	5°♉11'38	0°02'20
minimum elong	-5770 Jun 12 j 07:31	5°♉11'38	0°02'31
behind sun begin	-5770 Jun 12 j 00:47	5°♉10'36	
behind sun end	-5770 Jun 12 j 14:15	5°♉12'40	
morning rise	-5770 Jun 28 j 18:27	6°♉13'15	
retrograde	-5770 Sep 28 j 04:13	9°♉35'28	
opposition	-5770 Dec 10 j 07:44	7°♉33'01	0°04'59
min. Earth dist.	-5770 Dec 11 j 11:36	7°♉29'58	17.27643 AU
direct	-5769 Feb 24 j 13:23	5°♉26'15	
evening set	-5769 May 31 j 22:15	8°♉57'31	
max. Earth dist.	-5769 Jun 16 j 04:30	9°♉54'44	19.26400 AU
conjunction	-5769 Jun 17 j 12:08	9°♉59'43	0°06'46
minimum elong	-5769 Jun 17 j 12:08	9°♉59'43	0°06'58
behind sun begin	-5769 Jun 17 j 05:54	9°♉58'45	
behind sun end	-5769 Jun 17 j 18:22	10°♉00'40	
morning rise	-5769 Jul 03 j 21:43	11°♉01'19	
retrograde	-5769 Oct 03 j 05:19	14°♉23'47	
opposition	-5769 Dec 15 j 08:47	12°♉21'27	0°09'56
min. Earth dist.	-5769 Dec 16 j 12:26	12°♉18'25	17.25376 AU
direct	-5768 Feb 29 j 17:47	10°♉14'39	
evening set	-5768 Jun 05 j 04:07	13°♉46'30	
max. Earth dist.	-5768 Jun 20 j 08:32	14°♉43'36	19.24404 AU
conjunction	-5768 Jun 21 j 16:42	14°♉48'41	0°11'10
minimum elong	-5768 Jun 21 j 16:42	14°♉48'41	0°11'24
behind sun begin	-5768 Jun 21 j 11:50	14°♉47'56	
behind sun end	-5768 Jun 21 j 21:33	14°♉49'26	
	-5768 Jun 24 j 16:18	15°♉	
morning rise	-5768 Jul 08 j 01:07	15°♉50'16	
retrograde	-5768 Oct 07 j 05:56	19°♉12'58	
opposition	-5768 Dec 19 j 10:38	17°♉10'41	0°14'49
min. Earth dist.	-5768 Dec 20 j 14:08	17°♉07'41	17.23654 AU
direct	-5767 Mar 05 j 21:57	15°♉03'52	
evening set	-5767 Jun 10 j 09:47	18°♉36'12	
conjunction	-5767 Jun 26 j 21:13	19°♉38'19	0°15'30
minimum elong	-5767 Jun 26 j 21:13	19°♉38'19	0°15'45
behind sun begin	-5767 Jun 26 j 20:08	19°♉38'09	
behind sun end	-5767 Jun 26 j 22:18	19°♉38'29	
max. Earth dist.	-5767 Jun 25 j 14:40	19°♉33'29	19.22938 AU
morning rise	-5767 Jul 13 j 04:14	20°♉39'50	
retrograde	-5767 Oct 12 j 07:55	24°♉02'41	
opposition	-5767 Dec 24 j 13:06	22°♉00'30	0°19'37
min. Earth dist.	-5767 Dec 25 j 15:37	21°♉57'36	17.22438 AU
direct	-5766 Mar 11 j 03:37	19°♉53'40	
evening set	-5766 Jun 15 j 15:26	23°♉26'19	
max. Earth dist.	-5766 Jun 30 j 19:10	24°♉23'33	19.21981 AU
conjunction	-5766 Jul 02 j 01:31	24°♉28'21	0°19'44
minimum elong	-5766 Jul 02 j 01:31	24°♉28'21	0°20'00
morning rise	-5766 Jul 18 j 07:14	25°♉29'47	

Attention, astronomical year style is used: The year -5766 in astronomical counting style is the year 5767 BCE in historical counting style.

retrograde	-5766 Oct 17 j 08:54	28°♉52'44	
opposition	-5766 Dec 29 j 16:03	26°♉50'36	0°24'17
min. Earth dist.	-5766 Dec 30 j 18:24	26°♉47'44	17.21754 AU
direct	-5765 Mar 16 j 08:02	24°♉43'47	
evening set	-5765 Jun 20 j 20:38	28°♉16'36	
max. Earth dist.	-5765 Jul 06 j 00:41	29°♉13'57	19.21559 AU
conjunction	-5765 Jul 07 j 05:29	29°♉18'32	0°23'50
minimum elong	-5765 Jul 07 j 05:28	29°♉18'32	0°24'07
	-5765 Jul 18 j 02:57	0°♊	
morning rise	-5765 Jul 23 j 09:54	0°♊19'51	
retrograde	-5765 Oct 22 j 11:10	3°♊42'49	
opposition	-5764 Jan 03 j 19:19	1°♊40'44	0°28'47
min. Earth dist.	-5764 Jan 04 j 19:58	1°♊38'04	17.21580 AU
	-5764 Feb 17 j 14:12	30°℞♉	
direct	-5764 Mar 20 j 14:18	29°♉33'58	
	-5764 Apr 21 j 01:22	0°♊	
evening set	-5764 Jun 25 j 01:36	3°♊06'48	
max. Earth dist.	-5764 Jul 10 j 05:24	4°♊04'12	19.21653 AU
conjunction	-5764 Jul 11 j 09:05	4°♊08'37	0°27'45
minimum elong	-5764 Jul 11 j 09:05	4°♊08'37	0°28'03
morning rise	-5764 Jul 27 j 12:07	5°♊09'47	
retrograde	-5764 Oct 26 j 11:49	8°♊32'43	
opposition	-5763 Jan 07 j 22:56	6°♊30'40	0°33'03
min. Earth dist.	-5763 Jan 08 j 23:18	6°♊28'02	17.21956 AU
direct	-5763 Mar 25 j 18:54	4°♊23'56	
evening set	-5763 Jun 30 j 06:03	7°♊56'41	
max. Earth dist.	-5763 Jul 15 j 10:02	8°♊54'09	19.22319 AU
conjunction	-5763 Jul 16 j 12:08	8°♊58'19	0°31'29
minimum elong	-5763 Jul 16 j 12:08	8°♊58'19	0°31'48
morning rise	-5763 Aug 01 j 13:56	9°♊59'19	
retrograde	-5763 Oct 31 j 14:00	13°♊22'10	
opposition	-5762 Jan 13 j 02:44	11°♊20'09	0°37'05
min. Earth dist.	-5762 Jan 14 j 00:40	11°♊17'47	17.22901 AU
direct	-5762 Mar 31 j 01:36	9°♊13'30	
evening set	-5762 Jul 05 j 09:39	12°♊45'58	
conjunction	-5762 Jul 21 j 14:27	13°♊47'25	0°34'58
minimum elong	-5762 Jul 21 j 14:26	13°♊47'25	0°35'18
max. Earth dist.	-5762 Jul 20 j 14:37	13°♊43'37	19.23562 AU
morning rise	-5762 Aug 06 j 14:52	14°♊48'14	
retrograde	-5762 Nov 05 j 13:52	18°♊10'56	
opposition	-5761 Jan 18 j 06:43	16°♊08'57	0°40'51
min. Earth dist.	-5761 Jan 19 j 04:00	16°♊06'39	17.24454 AU
direct	-5761 Apr 05 j 06:06	14°♊02'25	
evening set	-5761 Jul 10 j 12:45	17°♊34'30	
conjunction	-5761 Jul 26 j 16:05	18°♊35'43	0°38'12
minimum elong	-5761 Jul 26 j 16:05	18°♊35'43	0°38'32
max. Earth dist.	-5761 Jul 25 j 17:51	18°♊32'11	19.25435 AU
morning rise	-5761 Aug 11 j 15:23	19°♊36'20	
retrograde	-5761 Nov 10 j 15:18	22°♊58'49	
opposition	-5760 Jan 23 j 10:26	20°♊56'52	0°44'18
min. Earth dist.	-5760 Jan 24 j 04:46	20°♊54'54	17.26640 AU
direct	-5760 Apr 09 j 12:37	18°♊50'29	
evening set	-5760 Jul 14 j 15:04	22°♊22'05	
conjunction	-5760 Jul 30 j 17:09	23°♊23'04	0°41'10
minimum elong	-5760 Jul 30 j 17:09	23°♊23'04	0°41'30
max. Earth dist.	-5760 Jul 29 j 22:00	23°♊20'01	19.27944 AU
morning rise	-5760 Aug 15 j 15:05	24°♊23'27	
retrograde	-5760 Nov 14 j 14:24	27°♊45'41	
opposition	-5759 Jan 27 j 14:28	25°♊43'48	0°47'26
min. Earth dist.	-5759 Jan 28 j 07:37	25°♊41'58	17.29479 AU
direct	-5759 Apr 14 j 17:23	23°♊37'39	
evening set	-5759 Jul 19 j 16:35	27°♊08'37	
conjunction	-5759 Aug 04 j 17:11	28°♊09'20	0°43'50
minimum elong	-5759 Aug 04 j 17:11	28°♊09'20	0°44'10
max. Earth dist.	-5759 Aug 03 j 23:41	28°♊06'33	19.31123 AU
morning rise	-5759 Aug 20 j 14:06	29°♊09'29	
	-5759 Sep 03 j 13:09	0°♋	
retrograde	-5759 Nov 19 j 14:49	2°♋31'27	
opposition	-5758 Feb 01 j 18:14	0°♋29'39	0°50'14
min. Earth dist.	-5758 Feb 02 j 08:03	0°♋28'11	17.32984 AU
	-5758 Feb 13 j 10:22	30°℞♊	
direct	-5758 Apr 19 j 23:33	28°♊23'47	
	-5758 Jun 20 j 23:15	0°♋	
evening set	-5758 Jul 24 j 17:14	1°♋54'02	
conjunction	-5758 Aug 09 j 16:43	2°♋54'28	0°46'11
minimum elong	-5758 Aug 09 j 16:43	2°♋54'28	0°46'32
max. Earth dist.	-5758 Aug 09 j 02:51	2°♋52'16	19.34950 AU
morning rise	-5758 Aug 25 j 12:22	3°♋54'23	
retrograde	-5758 Nov 24 j 13:05	7°♋16'00	
opposition	-5757 Feb 06 j 21:49	5°♋14'22	0°52'41
min. Earth dist.	-5757 Feb 07 j 10:07	5°♋13'03	17.37118 AU
direct	-5757 Apr 25 j 03:44	3°♋08'49	
evening set	-5757 Jul 29 j 17:09	6°♋38'15	
conjunction	-5757 Aug 14 j 15:15	7°♋38'24	0°48'13
minimum elong	-5757 Aug 14 j 15:15	7°♋38'24	0°48'34
max. Earth dist.	-5757 Aug 14 j 02:54	7°♋36'26	19.39391 AU
morning rise	-5757 Aug 30 j 10:05	8°♋38'03	
retrograde	-5757 Nov 29 j 12:46	11°♋59'19	
opposition	-5756 Feb 12 j 01:07	9°♋57'50	0°54'46
min. Earth dist.	-5756 Feb 12 j 10:20	9°♋56'51	17.41833 AU
direct	-5756 Apr 29 j 08:17	7°♋52'39	
evening set	-5756 Aug 02 j 16:02	11°♋21'11	
conjunction	-5756 Aug 18 j 13:06	12°♋21'02	0°49'56
minimum elong	-5756 Aug 18 j 13:06	12°♋21'02	0°50'17
max. Earth dist.	-5756 Aug 18 j 04:29	12°♋19'40	19.44365 AU
morning rise	-5756 Sep 03 j 06:47	13°♋20'25	
retrograde	-5756 Dec 03 j 10:29	16°♋41'17	
opposition	-5755 Feb 16 j 04:18	14°♋39'59	0°56'28
min. Earth dist.	-5755 Feb 16 j 11:43	14°♋39'12	17.47040 AU
direct	-5755 May 04 j 11:31	12°♋35'13	
evening set	-5755 Aug 07 j 14:15	16°♋02'43	
conjunction	-5755 Aug 23 j 10:01	17°♋02'16	0°51'17
minimum elong	-5755 Aug 23 j 10:01	17°♋02'16	0°51'39
max. Earth dist.	-5755 Aug 23 j 02:51	17°♋01'08	19.49804 AU
morning rise	-5755 Sep 08 j 02:59	18°♋01'23	
retrograde	-5755 Dec 08 j 09:15	21°♋21'48	
opposition	-5754 Feb 21 j 07:04	19°♋20'40	0°57'47
min. Earth dist.	-5754 Feb 21 j 11:46	19°♋20'10	17.52688 AU
direct	-5754 May 09 j 13:45	17°♋16'18	
evening set	-5754 Aug 12 j 11:15	20°♋42'43	
conjunction	-5754 Aug 28 j 06:09	21°♋41'57	0°52'19
minimum elong	-5754 Aug 28 j 06:09	21°♋41'57	0°52'38
max. Earth dist.	-5754 Aug 28 j 02:31	21°♋41'22	19.55633 AU
morning rise	-5754 Sep 12 j 22:12	22°♋40'46	
retrograde	-5754 Dec 13 j 06:58	26°♋00'43	
opposition	-5753 Feb 26 j 09:25	23°♋59'44	0°58'42
min. Earth dist.	-5753 Feb 26 j 12:02	23°♋59'28	17.58670 AU
direct	-5753 May 14 j 16:00	21°♋55'47	
evening set	-5753 Aug 17 j 07:37	25°♋21'01	
conjunction	-5753 Sep 02 j 01:22	26°♋19'55	0°52'59
minimum elong	-5753 Sep 02 j 01:22	26°♋19'55	0°53'18

Attention, astronomical year style is used: The year -5753 in astronomical counting style is the year 5754 BCE in historical counting style.

max. Earth dist.	-5753 Sep 01 j 23:05	26°♋19'33	19.61763 AU
morning rise	-5753 Sep 17 j 16:50	27°♋18'28	
	-5753 Nov 10 j 16:43	0°♌	
retrograde	-5753 Dec 18 j 04:07	0°♌37'52	
	-5752 Jan 26 j 00:38	30°℞♋	
opposition	-5752 Mar 02 j 11:08	28°♋37'02	0°59'14
min. Earth dist.	-5752 Mar 02 j 11:33	28°♋36'59	17.64936 AU
direct	-5752 May 18 j 16:17	26°♋33'29	
evening set	-5752 Aug 21 j 02:51	29°♋57'28	
	-5752 Aug 21 j 19:27	0°♌	
conjunction	-5752 Sep 05 j 19:51	0°♌56'03	0°53'18
minimum elong	-5752 Sep 05 j 19:51	0°♌56'03	0°53'36
max. Earth dist.	-5752 Sep 05 j 20:45	0°♌56'11	19.68142 AU
morning rise	-5752 Sep 21 j 10:33	1°♌54'18	
retrograde	-5752 Dec 22 j 01:24	5°♌13'08	
opposition	-5751 Mar 07 j 12:25	3°♌12'25	0°59'22
min. Earth dist.	-5751 Mar 07 j 10:23	3°♌12'37	17.71406 AU
direct	-5751 May 23 j 18:11	1°♌09'16	
evening set	-5751 Aug 25 j 21:05	4°♌31'55	
conjunction	-5751 Sep 10 j 13:09	5°♌30'10	0°53'16
minimum elong	-5751 Sep 10 j 13:09	5°♌30'10	0°53'34
max. Earth dist.	-5751 Sep 10 j 15:37	5°♌30'33	19.74704 AU
morning rise	-5751 Sep 26 j 03:28	6°♌28'09	
retrograde	-5751 Dec 26 j 20:30	9°♌46'23	
opposition	-5750 Mar 12 j 13:03	7°♌45'44	0°59'08
min. Earth dist.	-5750 Mar 12 j 09:11	7°♌46'08	17.78056 AU
direct	-5750 May 28 j 17:07	5°♌42'58	
evening set	-5750 Aug 30 j 14:14	9°♌04'14	
conjunction	-5750 Sep 15 j 05:43	10°♌02'10	0°52'54
minimum elong	-5750 Sep 15 j 05:43	10°♌02'10	0°53'12
max. Earth dist.	-5750 Sep 15 j 11:06	10°♌03'00	19.81428 AU
morning rise	-5750 Sep 30 j 19:32	10°♌59'51	
retrograde	-5750 Dec 31 j 16:18	14°♌17'26	
opposition	-5749 Mar 17 j 12:37	12°♌16'52	0°58'31
min. Earth dist.	-5749 Mar 17 j 06:04	12°♌17'32	17.84838 AU
direct	-5749 Jun 02 j 17:52	10°♌14'28	
evening set	-5749 Sep 04 j 06:23	13°♌34'19	
conjunction	-5749 Sep 19 j 21:10	14°♌31'55	0°52'13
minimum elong	-5749 Sep 19 j 21:10	14°♌31'55	0°52'29
max. Earth dist.	-5749 Sep 20 j 04:19	14°♌33'02	19.88277 AU
	-5749 Sep 27 j 10:45	15°♌	
morning rise	-5749 Oct 05 j 10:46	15°♌29'21	
retrograde	-5748 Jan 05 j 09:09	18°♌46'16	
opposition	-5748 Mar 21 j 11:40	16°♌45'43	0°57'34
min. Earth dist.	-5748 Mar 21 j 03:33	16°♌46'34	17.91761 AU
	-5748 May 12 j 02:11	15°℞♌	
direct	-5748 Jun 06 j 15:00	14°♌43'41	
	-5748 Jul 01 j 17:44	15°♌	
evening set	-5748 Sep 07 j 21:16	18°♌02'06	
conjunction	-5748 Sep 23 j 11:35	18°♌59'23	0°51'14
minimum elong	-5748 Sep 23 j 11:35	18°♌59'23	0°51'30
max. Earth dist.	-5748 Sep 23 j 21:33	19°♌00'55	19.95270 AU
morning rise	-5748 Oct 09 j 00:54	19°♌56'31	
retrograde	-5747 Jan 09 j 03:04	23°♌12'47	
opposition	-5747 Mar 26 j 09:47	21°♌12'17	0°56'16
min. Earth dist.	-5747 Mar 25 j 22:30	21°♌13'26	17.98817 AU
direct	-5747 Jun 11 j 14:06	19°♌10'37	
evening set	-5747 Sep 12 j 11:16	22°♌27'34	
conjunction	-5747 Sep 28 j 01:04	23°♌24'32	0°49'56
minimum elong	-5747 Sep 28 j 01:04	23°♌24'32	0°50'10
max. Earth dist.	-5747 Sep 28 j 13:11	23°♌26'24	20.02398 AU
morning rise	-5747 Oct 13 j 14:17	24°♌21'25	
retrograde	-5746 Jan 13 j 18:22	27°♌37'01	
opposition	-5746 Mar 31 j 07:04	25°♌36'33	0°54'39
min. Earth dist.	-5746 Mar 30 j 18:19	25°♌37'52	18.06033 AU
direct	-5746 Jun 16 j 08:44	23°♌35'16	
evening set	-5746 Sep 17 j 00:09	26°♌50'48	
conjunction	-5746 Oct 02 j 13:40	27°♌47'28	0°48'22
minimum elong	-5746 Oct 02 j 13:40	27°♌47'28	0°48'35
max. Earth dist.	-5746 Oct 03 j 04:18	27°♌49'42	20.09685 AU
morning rise	-5746 Oct 18 j 02:50	28°♌44'06	
	-5746 Nov 09 j 13:27	0°♍	
retrograde	-5745 Jan 18 j 10:50	1°♍59'02	
min. Earth dist.	-5745 Apr 04 j 11:19	0°♍00'18	18.13379 AU
	-5745 Apr 04 j 14:12	30°℞♌	
opposition	-5745 Apr 05 j 03:20	29°♌58'39	0°52'45
direct	-5745 Jun 21 j 05:15	27°♌57'47	
	-5745 Aug 31 j 05:41	0°♍	
evening set	-5745 Sep 21 j 12:12	1°♍11'54	
conjunction	-5745 Oct 07 j 01:23	2°♍08'17	0°46'33
minimum elong	-5745 Oct 07 j 01:23	2°♍08'17	0°46'44
max. Earth dist.	-5745 Oct 07 j 18:14	2°♍10'51	20.17082 AU
morning rise	-5745 Oct 22 j 14:35	3°♍04'40	
retrograde	-5744 Jan 23 j 00:53	6°♍18'58	
opposition	-5744 Apr 08 j 22:54	4°♍18'43	0°50'33
min. Earth dist.	-5744 Apr 08 j 05:40	4°♍20'28	18.20833 AU
direct	-5744 Jun 24 j 21:52	2°♍18'17	
evening set	-5744 Sep 24 j 23:19	5°♍31'01	
conjunction	-5744 Oct 10 j 12:22	6°♍27'08	0°44'28
minimum elong	-5744 Oct 10 j 12:23	6°♍27'08	0°44'38
max. Earth dist.	-5744 Oct 11 j 07:20	6°♍30'00	20.24578 AU
morning rise	-5744 Oct 26 j 01:42	7°♍23'17	
retrograde	-5743 Jan 26 j 16:15	10°♍36'58	
opposition	-5743 Apr 13 j 17:34	8°♍36'51	0°48'05
min. Earth dist.	-5743 Apr 12 j 21:11	8°♍38'55	18.28341 AU
direct	-5743 Jun 29 j 15:47	6°♍36'52	
evening set	-5743 Sep 29 j 09:35	9°♍48'16	
conjunction	-5743 Oct 14 j 22:33	10°♍44'07	0°42'09
minimum elong	-5743 Oct 14 j 22:33	10°♍44'07	0°42'18
max. Earth dist.	-5743 Oct 15 j 19:42	10°♍47'18	20.32082 AU
morning rise	-5743 Oct 30 j 12:07	11°♍40'04	
retrograde	-5742 Jan 31 j 05:20	14°♍53'09	
opposition	-5742 Apr 18 j 11:33	12°♍53'11	0°45'22
min. Earth dist.	-5742 Apr 17 j 14:25	12°♍55'19	18.35835 AU
direct	-5742 Jul 04 j 06:25	10°♍53'40	
evening set	-5742 Oct 03 j 19:13	14°♍03'45	
conjunction	-5742 Oct 19 j 08:11	14°♍59'21	0°39'38
minimum elong	-5742 Oct 19 j 08:11	14°♍59'21	0°39'44
max. Earth dist.	-5742 Oct 20 j 06:49	15°♍02'45	20.39541 AU
morning rise	-5742 Nov 03 j 22:03	15°♍55'06	
retrograde	-5741 Feb 04 j 19:22	19°♍07'36	
min. Earth dist.	-5741 Apr 22 j 04:37	17°♍10'11	18.43232 AU
opposition	-5741 Apr 23 j 04:23	17°♍07'47	0°42'26
direct	-5741 Jul 08 j 22:05	15°♍08'43	
evening set	-5741 Oct 08 j 04:10	18°♍17'33	
conjunction	-5741 Oct 23 j 17:11	19°♍12'56	0°36'54
minimum elong	-5741 Oct 23 j 17:11	19°♍12'56	0°37'00
max. Earth dist.	-5741 Oct 24 j 17:42	19°♍16'35	20.46853 AU
morning rise	-5741 Nov 08 j 07:23	20°♍08'28	
retrograde	-5740 Feb 09 j 07:17	23°♍20'26	
opposition	-5740 Apr 26 j 20:47	21°♍20'46	0°39'16
min. Earth dist.	-5740 Apr 25 j 20:42	21°♍23'11	18.50456 AU

Attention, astronomical year style is used: The year -5740 in astronomical counting style is the year 5741 BCE in historical counting style.

direct	-5740 Jul 12 j 10:42	19°♑22'08	
evening set	-5740 Oct 11 j 12:22	22°♑29'43	
conjunction	-5740 Oct 27 j 01:31	23°♑24'52	0°33'59
minimum elong	-5740 Oct 27 j 01:31	23°♑24'52	0°34'03
max. Earth dist.	-5740 Oct 28 j 03:02	23°♑28'40	20.53967 AU
morning rise	-5740 Nov 11 j 16:10	24°♑20'14	
retrograde	-5739 Feb 12 j 20:34	27°♑31'39	
min. Earth dist.	-5739 Apr 30 j 09:57	25°♑34'45	18.57438 AU
opposition	-5739 May 01 j 12:16	25°♑32'07	0°35'56
direct	-5739 Jul 17 j 00:40	23°♑33'53	
evening set	-5739 Oct 15 j 20:07	26°♑40'17	
conjunction	-5739 Oct 31 j 09:31	27°♑35'14	0°30'54
minimum elong	-5739 Oct 31 j 09:31	27°♑35'14	0°30'57
max. Earth dist.	-5739 Nov 01 j 12:35	27°♑39'15	20.60786 AU
morning rise	-5739 Nov 16 j 00:38	28°♑30'27	
	-5739 Dec 13 j 20:44	0°♎	
retrograde	-5738 Feb 17 j 07:09	1°♎41'19	
	-5738 Apr 28 j 13:37	30°℞♑	
min. Earth dist.	-5738 May 05 j 00:44	29°♑44'30	18.64100 AU
opposition	-5738 May 06 j 02:56	29°♑41'53	0°32'25
direct	-5738 Jul 21 j 11:29	27°♑44'00	
	-5738 Oct 05 j 09:45	0°♎	
evening set	-5738 Oct 20 j 03:17	0°♎49'15	
conjunction	-5738 Nov 04 j 16:58	1°♎44'01	0°27'40
minimum elong	-5738 Nov 04 j 16:58	1°♎44'01	0°27'42
max. Earth dist.	-5738 Nov 05 j 20:24	1°♎48'04	20.67270 AU
morning rise	-5738 Nov 20 j 08:42	2°♎39'04	
retrograde	-5737 Feb 21 j 19:31	5°♎49'24	
opposition	-5737 May 10 j 16:45	3°♎50'02	0°28'45
min. Earth dist.	-5737 May 09 j 12:49	3°♎52'50	18.70391 AU
direct	-5737 Jul 25 j 23:58	1°♎52'29	
evening set	-5737 Oct 24 j 09:46	4°♎56'37	
conjunction	-5737 Nov 08 j 23:49	5°♎51'13	0°24'20
minimum elong	-5737 Nov 08 j 23:49	5°♎51'13	0°24'19
max. Earth dist.	-5737 Nov 10 j 04:36	5°♎55'26	20.73351 AU
morning rise	-5737 Nov 24 j 16:07	6°♎46'08	
retrograde	-5736 Feb 26 j 05:02	9°♎55'57	
min. Earth dist.	-5736 May 13 j 02:15	7°♎59'23	18.76275 AU
opposition	-5736 May 14 j 05:55	7°♎56'37	0°24'58
direct	-5736 Jul 29 j 09:38	5°♎59'20	
evening set	-5736 Oct 27 j 15:45	9°♎02'23	
conjunction	-5736 Nov 12 j 06:14	9°♎56'49	0°20'53
minimum elong	-5736 Nov 12 j 06:14	9°♎56'49	0°20'51
max. Earth dist.	-5736 Nov 13 j 11:13	10°♎01'04	20.79047 AU
morning rise	-5736 Nov 27 j 23:17	10°♎51'37	
retrograde	-5735 Mar 01 j 16:00	14°♎00'55	
opposition	-5735 May 18 j 18:07	12°♎01'35	0°21'05
min. Earth dist.	-5735 May 17 j 12:59	12°♎04'30	18.81777 AU
direct	-5735 Aug 02 j 20:32	10°♎04'32	
evening set	-5735 Oct 31 j 21:08	13°♎06'33	
conjunction	-5735 Nov 16 j 12:10	14°♎00'51	0°17'21
minimum elong	-5735 Nov 16 j 12:10	14°♎00'51	0°17'17
max. Earth dist.	-5735 Nov 17 j 18:30	14°♎05'17	20.84349 AU
morning rise	-5735 Dec 02 j 05:55	14°♎55'33	
retrograde	-5734 Mar 06 j 00:46	18°♎04'22	
min. Earth dist.	-5734 May 22 j 00:47	16°♎07'53	18.86899 AU
opposition	-5734 May 23 j 05:36	16°♎05'00	0°17'08
direct	-5734 Aug 07 j 05:18	14°♎08'09	
evening set	-5734 Nov 05 j 02:09	17°♎09'14	
conjunction	-5734 Nov 20 j 17:41	18°♎03'24	0°13'46
minimum elong	-5734 Nov 20 j 17:41	18°♎03'24	0°13'41
behind sun begin	-5734 Nov 20 j 14:03	18°♎02'53	
behind sun end	-5734 Nov 20 j 21:19	18°♎03'55	
max. Earth dist.	-5734 Nov 22 j 00:03	18°♎07'49	20.89300 AU
morning rise	-5734 Dec 06 j 12:14	18°♎58'00	
retrograde	-5733 Mar 10 j 10:29	22°♎06'21	
min. Earth dist.	-5733 May 26 j 09:59	20°♎09'59	18.91687 AU
opposition	-5733 May 27 j 16:05	20°♎06'59	0°13'07
direct	-5733 Aug 11 j 14:02	18°♎10'19	
evening set	-5733 Nov 09 j 06:44	21°♎10'31	
conjunction	-5733 Nov 24 j 22:53	22°♎04'35	0°10'08
minimum elong	-5733 Nov 24 j 22:53	22°♎04'35	0°10'01
behind sun begin	-5733 Nov 24 j 17:34	22°♎03'50	
behind sun end	-5733 Nov 25 j 04:13	22°♎05'20	
max. Earth dist.	-5733 Nov 26 j 06:32	22°♎09'10	20.93915 AU
morning rise	-5733 Dec 10 j 18:10	22°♎59'06	
retrograde	-5732 Mar 13 j 18:10	26°♎07'02	
min. Earth dist.	-5732 May 29 j 20:15	24°♎10'39	18.96149 AU
opposition	-5732 May 31 j 02:06	24°♎07'40	0°09'04
direct	-5732 Aug 14 j 21:55	22°♎11'11	
evening set	-5732 Nov 12 j 10:54	25°♎10'35	
conjunction	-5732 Nov 28 j 03:41	26°♎04'34	0°06'28
minimum elong	-5732 Nov 28 j 03:41	26°♎04'34	0°06'21
behind sun begin	-5732 Nov 27 j 21:29	26°♎03'42	
behind sun end	-5732 Nov 28 j 09:53	26°♎05'26	
max. Earth dist.	-5732 Nov 29 j 11:12	26°♎09'07	20.98227 AU
morning rise	-5732 Dec 13 j 23:53	26°♎59'02	
	-5731 Mar 01 j 14:55	0°♏	
retrograde	-5731 Mar 18 j 03:42	0°♏06'36	
	-5731 Apr 03 j 18:17	30°℞♎	
min. Earth dist.	-5731 Jun 03 j 04:28	28°♎10'20	19.00302 AU
opposition	-5731 Jun 04 j 11:23	28°♎07'14	0°05'00
direct	-5731 Aug 19 j 04:48	26°♎10'56	
evening set	-5731 Nov 16 j 14:58	29°♎09'38	
	-5731 Dec 01 j 07:47	0°♏	
conjunction	-5731 Dec 02 j 08:31	0°♏03'33	0°02'47
minimum elong	-5731 Dec 02 j 08:31	0°♏03'33	0°02'38
behind sun begin	-5731 Dec 02 j 01:57	0°♏02'38	
behind sun end	-5731 Dec 02 j 15:04	0°♏04'28	
max. Earth dist.	-5731 Dec 03 j 17:01	0°♏08'14	21.02201 AU
morning rise	-5731 Dec 18 j 05:32	0°♏57'59	
retrograde	-5730 Mar 22 j 10:30	4°♏05'13	
opposition	-5730 Jun 08 j 19:58	2°♏05'53	0°00'55
min. Earth dist.	-5730 Jun 07 j 13:37	2°♏08'55	19.04105 AU
direct	-5730 Aug 23 j 11:28	0°♏09'47	
desc. node	-5730 Aug 29 j 05:20	0°♏10'37	
evening set	-5730 Nov 20 j 18:50	3°♏07'51	
conjunction	-5730 Dec 06 j 13:06	4°♏01'43	-0°01'01
minimum elong	-5730 Dec 06 j 13:06	4°♏01'43	0°01'11
behind sun begin	-5730 Dec 06 j 06:32	4°♏00'48	
behind sun end	-5730 Dec 06 j 19:40	4°♏02'38	
max. Earth dist.	-5730 Dec 07 j 21:02	4°♏06'19	21.05832 AU
morning rise	-5730 Dec 22 j 11:06	4°♏56'07	
retrograde	-5729 Mar 26 j 19:55	8°♏03'05	
min. Earth dist.	-5729 Jun 11 j 21:08	6°♏06'53	19.07545 AU
opposition	-5729 Jun 13 j 04:05	6°♏03'48	-0°03'10
direct	-5729 Aug 27 j 17:15	4°♏07'51	
evening set	-5729 Nov 24 j 22:29	7°♏05'24	
conjunction	-5729 Dec 10 j 17:33	7°♏59'15	-0°04'43
minimum elong	-5729 Dec 10 j 17:34	7°♏59'15	0°04'54
behind sun begin	-5729 Dec 10 j 11:08	7°♏58'21	
behind sun end	-5729 Dec 10 j 23:59	8°♏00'08	

Attention, astronomical year style is used: The year -5729 in astronomical counting style is the year 5730 BCE in historical counting style.

max. Earth dist.	-5729 Dec 12 j 02:15	8°♏03'55	21.09060 AU
morning rise	-5729 Dec 26 j 16:25	8°♏53'38	
retrograde	-5728 Mar 30 j 02:22	12°♏00'23	
min. Earth dist.	-5728 Jun 15 j 05:44	10°♏04'10	19.10560 AU
opposition	-5728 Jun 16 j 11:52	10°♏01'09	-0°07'14
direct	-5728 Aug 30 j 22:34	8°♏05'23	
evening set	-5728 Nov 28 j 02:18	11°♏02'28	
conjunction	-5728 Dec 13 j 22:09	11°♏56'18	-0°08'21
minimum elong	-5728 Dec 13 j 22:10	11°♏56'18	0°08'34
behind sun begin	-5728 Dec 13 j 16:24	11°♏55'30	
behind sun end	-5728 Dec 14 j 03:55	11°♏57'06	
max. Earth dist.	-5728 Dec 15 j 05:54	12°♏00'50	21.11861 AU
morning rise	-5728 Dec 29 j 22:04	12°♏50'42	
	-5727 Feb 12 j 20:21	15°♏	
retrograde	-5727 Apr 03 j 11:38	15°♏57'16	
	-5727 May 24 j 14:44	15°℞♏	
opposition	-5727 Jun 20 j 19:05	13°♏58'05	-0°11'15
min. Earth dist.	-5727 Jun 19 j 12:57	14°♏01'06	19.13124 AU
direct	-5727 Sep 04 j 03:51	12°♏02'27	
evening set	-5727 Dec 02 j 06:10	14°♏59'10	
	-5727 Dec 02 j 12:08	15°♏	
conjunction	-5727 Dec 18 j 02:58	15°♏53'01	-0°11'57
minimum elong	-5727 Dec 18 j 02:58	15°♏53'01	0°12'11
behind sun begin	-5727 Dec 17 j 22:30	15°♏52'24	
behind sun end	-5727 Dec 18 j 07:26	15°♏53'38	
max. Earth dist.	-5727 Dec 19 j 10:54	15°♏57'34	21.14160 AU
morning rise	-5726 Jan 03 j 03:46	16°♏47'27	
retrograde	-5726 Apr 07 j 18:03	19°♏53'52	
min. Earth dist.	-5726 Jun 23 j 21:11	17°♏57'37	19.15153 AU
opposition	-5726 Jun 25 j 02:00	17°♏54'44	-0°15'12
direct	-5726 Sep 08 j 08:06	15°♏59'12	
evening set	-5726 Dec 06 j 10:12	18°♏55'38	
conjunction	-5726 Dec 22 j 07:49	19°♏49'31	-0°15'30
minimum elong	-5726 Dec 22 j 07:48	19°♏49'31	0°15'46
behind sun begin	-5726 Dec 22 j 06:28	19°♏49'20	
behind sun end	-5726 Dec 22 j 09:08	19°♏49'42	
max. Earth dist.	-5726 Dec 23 j 14:14	19°♏53'50	21.15912 AU
morning rise	-5725 Jan 07 j 09:38	20°♏43'58	
retrograde	-5725 Apr 12 j 02:49	23°♏50'18	
min. Earth dist.	-5725 Jun 28 j 04:13	21°♏54'00	19.16612 AU
opposition	-5725 Jun 29 j 08:31	21°♏51'11	-0°19'06
direct	-5725 Sep 12 j 13:15	19°♏55'42	
evening set	-5725 Dec 10 j 14:21	22°♏51'56	
conjunction	-5725 Dec 26 j 12:56	23°♏45'51	-0°18'58
minimum elong	-5725 Dec 26 j 12:56	23°♏45'51	0°19'14
max. Earth dist.	-5725 Dec 27 j 19:06	23°♏50'08	21.17060 AU
morning rise	-5724 Jan 11 j 15:40	24°♏40'22	
retrograde	-5724 Apr 15 j 09:25	27°♏46'37	
opposition	-5724 Jul 02 j 14:50	25°♏47'29	-0°22'53
min. Earth dist.	-5724 Jul 01 j 12:05	25°♏50'10	19.17448 AU
direct	-5724 Sep 15 j 17:16	23°♏52'00	
evening set	-5724 Dec 13 j 18:37	26°♏48'05	
conjunction	-5724 Dec 29 j 18:08	27°♏42'04	-0°22'21
minimum elong	-5724 Dec 29 j 18:08	27°♏42'04	0°22'38
max. Earth dist.	-5724 Dec 30 j 22:23	27°♏46'04	21.17594 AU
morning rise	-5723 Jan 14 j 22:00	28°♏36'39	
	-5723 Feb 10 j 20:46	0°♐	
retrograde	-5723 Apr 19 j 17:37	1°♐42'51	
	-5723 Jun 30 j 01:32	30°℞♏	
opposition	-5723 Jul 06 j 20:51	29°♏43'40	-0°26'34
min. Earth dist.	-5723 Jul 05 j 18:57	29°♏46'16	19.17666 AU
direct	-5723 Sep 19 j 22:06	27°♏48'08	
	-5723 Dec 04 j 05:43	0°♐	
evening set	-5723 Dec 17 j 23:08	0°♐44'08	
conjunction	-5722 Jan 02 j 23:41	1°♐38'12	-0°25'37
minimum elong	-5722 Jan 02 j 23:41	1°♐38'12	0°25'55
max. Earth dist.	-5722 Jan 04 j 03:23	1°♐42'07	21.17497 AU
morning rise	-5722 Jan 19 j 04:29	2°♐32'52	
retrograde	-5722 Apr 24 j 00:19	5°♐39'02	
min. Earth dist.	-5722 Jul 10 j 02:12	3°♐42'12	19.17268 AU
opposition	-5722 Jul 11 j 02:24	3°♐39'46	-0°30'06
direct	-5722 Sep 24 j 02:16	1°♐44'08	
evening set	-5722 Dec 22 j 03:48	4°♐40'08	
conjunction	-5721 Jan 07 j 05:18	5°♐34'17	-0°28'46
minimum elong	-5721 Jan 07 j 05:18	5°♐34'17	0°29'04
max. Earth dist.	-5721 Jan 08 j 06:57	5°♐37'55	21.16830 AU
morning rise	-5721 Jan 23 j 11:11	6°♐29'03	
retrograde	-5721 Apr 28 j 07:40	9°♐35'14	
min. Earth dist.	-5721 Jul 14 j 08:31	7°♐38'12	19.16331 AU
opposition	-5721 Jul 15 j 07:49	7°♐35'51	-0°33'30
direct	-5721 Sep 28 j 06:24	5°♐40'05	
evening set	-5721 Dec 26 j 08:32	8°♐36'09	
conjunction	-5720 Jan 11 j 11:05	9°♐30'25	-0°31'46
minimum elong	-5720 Jan 11 j 11:05	9°♐30'25	0°32'06
max. Earth dist.	-5720 Jan 12 j 12:19	9°♐33'59	21.15631 AU
morning rise	-5720 Jan 27 j 17:53	10°♐25'18	
retrograde	-5720 May 01 j 14:30	13°♐31'32	
opposition	-5720 Jul 18 j 13:03	11°♐32'02	-0°36'45
min. Earth dist.	-5720 Jul 17 j 15:17	11°♐34'14	19.14889 AU
direct	-5720 Oct 01 j 10:38	9°♐36'07	
evening set	-5720 Dec 29 j 13:46	12°♐32'20	
conjunction	-5719 Jan 14 j 17:17	13°♐26'44	-0°34'38
minimum elong	-5719 Jan 14 j 17:17	13°♐26'44	0°34'57
max. Earth dist.	-5719 Jan 15 j 16:26	13°♐30'00	21.13972 AU
morning rise	-5719 Jan 31 j 01:12	14°♐21'44	
retrograde	-5719 May 05 j 22:01	17°♐28'04	
opposition	-5719 Jul 22 j 18:00	15°♐28'28	-0°39'49
min. Earth dist.	-5719 Jul 21 j 21:17	15°♐30'33	19.13014 AU
direct	-5719 Oct 05 j 14:26	13°♐32'21	
evening set	-5718 Jan 02 j 19:22	16°♐28'49	
conjunction	-5718 Jan 18 j 23:59	17°♐23'22	-0°37'20
minimum elong	-5718 Jan 18 j 23:59	17°♐23'22	0°37'40
max. Earth dist.	-5718 Jan 19 j 22:33	17°♐26'34	21.11877 AU
morning rise	-5718 Feb 04 j 08:45	18°♐18'31	
retrograde	-5718 May 10 j 04:51	21°♐24'59	
opposition	-5718 Jul 26 j 22:59	19°♐25'17	-0°42'43
min. Earth dist.	-5718 Jul 26 j 03:48	19°♐27'14	19.10714 AU
direct	-5718 Oct 09 j 18:24	17°♐29'00	
evening set	-5717 Jan 07 j 01:18	20°♐25'48	
conjunction	-5717 Jan 23 j 06:51	21°♐20'30	-0°39'51
minimum elong	-5717 Jan 23 j 06:51	21°♐20'30	0°40'11
max. Earth dist.	-5717 Jan 24 j 03:12	21°♐23'23	21.09392 AU
morning rise	-5717 Feb 08 j 16:41	22°♐15'48	
retrograde	-5717 May 14 j 13:24	25°♐22'28	
min. Earth dist.	-5717 Jul 30 j 09:55	23°♐24'31	19.08038 AU
opposition	-5717 Jul 31 j 03:58	23°♐22'41	-0°45'24
direct	-5717 Oct 13 j 22:17	21°♐26'13	
evening set	-5716 Jan 11 j 07:46	24°♐23'26	
conjunction	-5716 Jan 27 j 14:27	25°♐18'20	-0°42'12
minimum elong	-5716 Jan 27 j 14:26	25°♐18'19	0°42'33
max. Earth dist.	-5716 Jan 28 j 10:07	25°♐21'07	21.06523 AU
morning rise	-5716 Feb 13 j 01:06	26°♐13'47	

Attention, astronomical year style is used: The year -5716 in astronomical counting style is the year 5717 BCE in historical counting style.

retrograde	-5716 May 17 j 20:30	29°♐20'41	
opposition	-5716 Aug 03 j 09:00	27°♐20'51	-0°47'54
min. Earth dist.	-5716 Aug 02 j 16:36	27°♐22'31	19.04978 AU
direct	-5716 Oct 17 j 02:10	25°♐24'11	
evening set	-5715 Jan 14 j 14:54	28°♐21'54	
conjunction	-5715 Jan 30 j 22:33	29°♐16'59	-0°44'21
minimum elong	-5715 Jan 30 j 22:32	29°♐16'59	0°44'42
max. Earth dist.	-5715 Jan 31 j 15:42	29°♐19'25	21.03287 AU
	-5715 Feb 12 j 15:16	0°♑	
morning rise	-5715 Feb 16 j 10:16	0°♑12'38	
retrograde	-5715 May 22 j 06:06	3°♑19'50	
opposition	-5715 Aug 07 j 14:11	1°♑19'55	-0°50'10
min. Earth dist.	-5715 Aug 06 j 23:18	1°♑21'27	19.01545 AU
	-5715 Sep 12 j 09:47	30°℞♐	
direct	-5715 Oct 21 j 06:24	29°♐23'03	
	-5715 Nov 28 j 07:44	0°♑	
evening set	-5714 Jan 18 j 22:42	2°♑21'22	
conjunction	-5714 Feb 04 j 07:26	3°♑16'41	-0°46'18
minimum elong	-5714 Feb 04 j 07:26	3°♑16'41	0°46'39
max. Earth dist.	-5714 Feb 04 j 23:36	3°♑18'58	20.99648 AU
morning rise	-5714 Feb 20 j 19:54	4°♑12'31	
retrograde	-5714 May 26 j 14:14	7°♑20'01	
opposition	-5714 Aug 11 j 19:27	5°♑20'05	-0°52'13
min. Earth dist.	-5714 Aug 11 j 06:31	5°♑21'24	18.97697 AU
direct	-5714 Oct 25 j 10:49	3°♑23'00	
evening set	-5713 Jan 23 j 07:17	6°♑22'00	
conjunction	-5713 Feb 08 j 16:55	7°♑17'31	-0°48'02
minimum elong	-5713 Feb 08 j 16:54	7°♑17'31	0°48'24
max. Earth dist.	-5713 Feb 09 j 06:07	7°♑19'23	20.95604 AU
morning rise	-5713 Feb 25 j 06:22	8°♑13'34	
retrograde	-5713 May 31 j 00:31	11°♑21'27	
opposition	-5713 Aug 16 j 01:07	9°♑21'26	-0°54'01
min. Earth dist.	-5713 Aug 15 j 14:03	9°♑22'34	18.93436 AU
direct	-5713 Oct 29 j 15:37	7°♑24'06	
evening set	-5712 Jan 27 j 16:27	10°♑23'51	
conjunction	-5712 Feb 13 j 03:11	11°♑19'37	-0°49'32
minimum elong	-5712 Feb 13 j 03:11	11°♑19'37	0°49'52
max. Earth dist.	-5712 Feb 13 j 15:05	11°♑21'18	20.91109 AU
morning rise	-5712 Feb 29 j 17:20	12°♑15'53	
retrograde	-5712 Jun 03 j 10:09	15°♑24'09	
opposition	-5712 Aug 19 j 07:05	13°♑24'04	-0°55'33
min. Earth dist.	-5712 Aug 18 j 22:11	13°♑24'59	18.88702 AU
direct	-5712 Nov 01 j 21:06	11°♑26'28	
evening set	-5711 Jan 31 j 02:42	14°♑27'01	
conjunction	-5711 Feb 16 j 14:19	15°♑23'02	-0°50'48
minimum elong	-5711 Feb 16 j 14:19	15°♑23'02	0°51'09
max. Earth dist.	-5711 Feb 16 j 22:41	15°♑24'13	20.86146 AU
morning rise	-5711 Mar 05 j 05:24	16°♑19'31	
retrograde	-5711 Jun 07 j 21:12	19°♑28'13	
opposition	-5711 Aug 23 j 13:19	17°♑28'01	-0°56'49
min. Earth dist.	-5711 Aug 23 j 06:41	17°♑28'42	18.83497 AU
direct	-5711 Nov 06 j 03:06	15°♑30'04	
evening set	-5710 Feb 04 j 13:38	18°♑31'30	
conjunction	-5710 Feb 21 j 02:19	19°♑27'47	-0°51'48
minimum elong	-5710 Feb 21 j 02:19	19°♑27'47	0°52'08
max. Earth dist.	-5710 Feb 21 j 09:03	19°♑28'44	20.80697 AU
morning rise	-5710 Mar 09 j 17:59	20°♑24'30	
retrograde	-5710 Jun 12 j 07:49	23°♑33'37	
opposition	-5710 Aug 27 j 20:01	21°♑33'17	-0°57'48
min. Earth dist.	-5710 Aug 27 j 15:29	21°♑33'46	18.77811 AU
direct	-5710 Nov 10 j 09:39	19°♑35'00	
evening set	-5709 Feb 09 j 01:15	22°♑37'19	
conjunction	-5709 Feb 25 j 14:43	23°♑33'52	-0°52'33
minimum elong	-5709 Feb 25 j 14:43	23°♑33'52	0°52'53
max. Earth dist.	-5709 Feb 25 j 17:51	23°♑34'19	20.74804 AU
morning rise	-5709 Mar 14 j 07:14	24°♑30'50	
retrograde	-5709 Jun 16 j 19:34	27°♑40'24	
opposition	-5709 Sep 01 j 03:05	25°♑39'55	-0°58'30
min. Earth dist.	-5709 Sep 01 j 00:50	25°♑40'09	18.71714 AU
direct	-5709 Nov 14 j 17:01	23°♑41'12	
evening set	-5708 Feb 13 j 13:40	26°♑44'30	
conjunction	-5708 Mar 01 j 04:11	27°♑41'20	-0°53'01
minimum elong	-5708 Mar 01 j 04:11	27°♑41'20	0°53'21
max. Earth dist.	-5708 Mar 01 j 05:52	27°♑41'34	20.68517 AU
morning rise	-5708 Mar 17 j 21:12	28°♑38'33	
	-5708 Apr 12 j 16:48	0°♒	
retrograde	-5708 Jun 20 j 07:04	1°♒48'34	
	-5708 Aug 30 j 14:45	30°℞♑	
opposition	-5708 Sep 04 j 10:23	29°♑47'55	-0°58'53
min. Earth dist.	-5708 Sep 04 j 10:07	29°♑47'57	18.65253 AU
direct	-5708 Nov 18 j 00:33	27°♑48'46	
	-5707 Jan 31 j 19:05	0°♒	
evening set	-5707 Feb 17 j 03:03	0°♒53'06	
conjunction	-5707 Mar 05 j 18:18	1°♒50'14	-0°53'14
minimum elong	-5707 Mar 05 j 18:18	1°♒50'14	0°53'32
max. Earth dist.	-5707 Mar 05 j 16:23	1°♒49'57	20.61917 AU
morning rise	-5707 Mar 22 j 12:05	2°♒47'42	
retrograde	-5707 Jun 24 j 19:44	5°♒58'14	
opposition	-5707 Sep 08 j 18:15	3°♒57'23	-0°58'58
min. Earth dist.	-5707 Sep 08 j 20:16	3°♒57'10	18.58522 AU
direct	-5707 Nov 22 j 09:04	1°♒57'47	
evening set	-5706 Feb 21 j 17:06	5°♒03'14	
conjunction	-5706 Mar 10 j 09:16	6°♒00'39	-0°53'09
minimum elong	-5706 Mar 10 j 09:16	6°♒00'39	0°53'27
max. Earth dist.	-5706 Mar 10 j 06:09	6°♒00'12	20.55064 AU
morning rise	-5706 Mar 27 j 03:22	6°♒58'23	
retrograde	-5706 Jun 29 j 08:26	10°♒09'26	
opposition	-5706 Sep 13 j 02:30	8°♒08'25	-0°58'45
min. Earth dist.	-5706 Sep 13 j 06:09	8°♒08'02	18.51571 AU
direct	-5706 Nov 26 j 17:52	6°♒08'23	
evening set	-5705 Feb 26 j 08:07	9°♒14'59	
conjunction	-5705 Mar 15 j 00:52	10°♒12'42	-0°52'48
minimum elong	-5705 Mar 15 j 00:52	10°♒12'42	0°53'04
max. Earth dist.	-5705 Mar 14 j 18:20	10°♒11'45	20.48044 AU
morning rise	-5705 Mar 31 j 19:36	11°♒10'43	
retrograde	-5705 Jul 03 j 22:05	14°♒22'19	
opposition	-5705 Sep 17 j 11:23	12°♒21'08	-0°58'13
min. Earth dist.	-5705 Sep 17 j 17:15	12°♒20'31	18.44498 AU
direct	-5705 Dec 01 j 03:04	10°♒20'39	
evening set	-5704 Mar 01 j 23:48	13°♒28'28	
conjunction	-5704 Mar 18 j 17:27	14°♒26'31	-0°52'09
minimum elong	-5704 Mar 18 j 17:27	14°♒26'31	0°52'25
max. Earth dist.	-5704 Mar 18 j 09:53	14°♒25'25	20.40918 AU
	-5704 Mar 28 j 07:37	15°♒	
morning rise	-5704 Apr 04 j 12:26	15°♒24'48	
retrograde	-5704 Jul 07 j 12:42	18°♒36'59	
opposition	-5704 Sep 20 j 20:52	16°♒35'40	-0°57'22
min. Earth dist.	-5704 Sep 21 j 04:07	16°♒34'54	18.37331 AU
	-5704 Nov 03 j 04:43	15°℞♒	
direct	-5704 Dec 04 j 13:40	14°♒34'46	
	-5703 Jan 04 j 16:39	15°♒	
evening set	-5703 Mar 06 j 16:45	17°♒43'52	

Attention, astronomical year style is used: The year -5703 in astronomical counting style is the year 5704 BCE in historical counting style.

conjunction	-5703 Mar 23 j 10:52	18°♒42'13	-0°51'13
minimum elong	-5703 Mar 23 j 10:52	18°♒42'13	0°51'28
max. Earth dist.	-5703 Mar 22 j 23:53	18°♒40'37	20.33732 AU
morning rise	-5703 Apr 09 j 06:18	19°♒40'47	
retrograde	-5703 Jul 12 j 03:10	22°♒53'35	
opposition	-5703 Sep 25 j 07:01	20°♒52'09	-0°56'12
min. Earth dist.	-5703 Sep 25 j 16:35	20°♒51'08	18.30138 AU
direct	-5703 Dec 08 j 23:39	18°♒50'50	
evening set	-5702 Mar 11 j 10:29	22°♒01'16	
conjunction	-5702 Mar 28 j 05:19	22°♒59'57	-0°50'00
minimum elong	-5702 Mar 28 j 05:20	22°♒59'57	0°50'14
max. Earth dist.	-5702 Mar 27 j 17:22	22°♒58'12	20.26531 AU
morning rise	-5702 Apr 14 j 00:49	23°♒58'47	
retrograde	-5702 Jul 16 j 19:54	27°♒12'14	
opposition	-5702 Sep 29 j 17:56	25°♒10'43	-0°54'42
min. Earth dist.	-5702 Sep 30 j 04:41	25°♒09'34	18.22933 AU
direct	-5702 Dec 13 j 12:23	23°♒09'02	
evening set	-5701 Mar 16 j 05:13	26°♒20'50	
max. Earth dist.	-5701 Apr 01 j 09:11	27°♒17'35	20.19335 AU
conjunction	-5701 Apr 02 j 00:22	27°♒19'50	-0°48'29
minimum elong	-5701 Apr 02 j 00:23	27°♒19'50	0°48'43
morning rise	-5701 Apr 18 j 20:11	28°♒18'57	
	-5701 May 20 j 17:30	0°♓	
retrograde	-5701 Jul 21 j 11:07	1°♓33'04	
	-5701 Sep 23 j 00:57	30°℞♒	
opposition	-5701 Oct 04 j 05:42	29°♒31'29	-0°52'53
min. Earth dist.	-5701 Oct 04 j 18:55	29°♒30'04	18.15749 AU
direct	-5701 Dec 17 j 23:57	27°♒29'26	
	-5700 Mar 07 j 09:53	0°♓	
evening set	-5700 Mar 20 j 01:01	0°♓42'38	
conjunction	-5700 Apr 05 j 20:45	1°♓41'58	-0°46'41
minimum elong	-5700 Apr 05 j 20:46	1°♓41'58	0°46'52
max. Earth dist.	-5700 Apr 05 j 04:28	1°♓39'33	20.12152 AU
morning rise	-5700 Apr 22 j 16:31	2°♓41'20	
retrograde	-5700 Jul 25 j 05:21	5°♓56'08	
opposition	-5700 Oct 07 j 18:03	3°♓54'30	-0°50'44
min. Earth dist.	-5700 Oct 08 j 08:32	3°♓52'56	18.08560 AU
direct	-5700 Dec 21 j 14:56	1°♓52'05	
evening set	-5699 Mar 24 j 22:07	5°♓06'44	
conjunction	-5699 Apr 10 j 18:01	6°♓06'22	-0°44'36
minimum elong	-5699 Apr 10 j 18:02	6°♓06'22	0°44'46
max. Earth dist.	-5699 Apr 09 j 22:21	6°♓03'26	20.04958 AU
morning rise	-5699 Apr 27 j 13:50	7°♓06'00	
retrograde	-5699 Jul 29 j 21:37	10°♓21'28	
opposition	-5699 Oct 12 j 07:34	8°♓19'46	-0°48'16
min. Earth dist.	-5699 Oct 13 j 00:46	8°♓17'55	18.01371 AU
direct	-5699 Dec 26 j 05:01	6°♓16'58	
evening set	-5698 Mar 29 j 19:57	9°♓33'04	
conjunction	-5698 Apr 15 j 16:11	10°♓33'00	-0°42'13
minimum elong	-5698 Apr 15 j 16:12	10°♓33'00	0°42'21
max. Earth dist.	-5698 Apr 14 j 19:13	10°♓29'51	19.97758 AU
morning rise	-5698 May 02 j 11:46	11°♓32'53	
retrograde	-5698 Aug 03 j 16:59	14°♓49'01	
opposition	-5698 Oct 16 j 21:50	12°♓47'14	-0°45'30
min. Earth dist.	-5698 Oct 17 j 16:02	12°♓45'16	17.94167 AU
direct	-5698 Dec 30 j 22:34	10°♓44'03	
evening set	-5697 Apr 03 j 18:56	14°♓01'33	
conjunction	-5697 Apr 20 j 15:12	15°♓01'47	-0°39'34
minimum elong	-5697 Apr 20 j 15:12	15°♓01'47	0°39'41
max. Earth dist.	-5697 Apr 19 j 15:07	14°♓58'10	19.90555 AU
morning rise	-5697 May 07 j 10:36	16°♓01'54	
retrograde	-5697 Aug 08 j 10:18	19°♓18'41	
opposition	-5697 Oct 21 j 13:01	17°♓16'48	-0°42'25
min. Earth dist.	-5697 Oct 22 j 09:55	17°♓14'32	17.86988 AU
direct	-5696 Jan 04 j 14:52	15°♓13'12	
evening set	-5696 Apr 07 j 18:41	18°♓32'07	
conjunction	-5696 Apr 24 j 15:07	19°♓32'37	-0°36'39
minimum elong	-5696 Apr 24 j 15:08	19°♓32'37	0°36'44
max. Earth dist.	-5696 Apr 23 j 13:35	19°♓28'46	19.83401 AU
morning rise	-5696 May 11 j 10:13	20°♓32'58	
retrograde	-5696 Aug 12 j 07:01	23°♓50'20	
opposition	-5696 Oct 25 j 05:00	21°♓48'22	-0°39'03
min. Earth dist.	-5696 Oct 26 j 02:38	21°♓46'01	17.79866 AU
direct	-5695 Jan 08 j 10:42	19°♓44'20	
evening set	-5695 Apr 12 j 19:26	23°♓04'37	
max. Earth dist.	-5695 Apr 28 j 11:46	24°♓01'09	19.76330 AU
conjunction	-5695 Apr 29 j 15:43	24°♓05'23	-0°33'29
minimum elong	-5695 Apr 29 j 15:44	24°♓05'23	0°33'32
morning rise	-5695 May 16 j 10:23	25°♓05'57	
retrograde	-5695 Aug 17 j 01:47	28°♓23'54	
opposition	-5695 Oct 29 j 21:56	26°♓21'48	-0°35'24
min. Earth dist.	-5695 Oct 30 j 22:02	26°♓19'11	17.72881 AU
direct	-5694 Jan 13 j 05:07	24°♓17'20	
evening set	-5694 Apr 17 j 20:49	27°♓38'58	
max. Earth dist.	-5694 May 03 j 11:44	28°♓35'32	19.69447 AU
conjunction	-5694 May 04 j 16:58	28°♓39'59	-0°30'05
minimum elong	-5694 May 04 j 16:58	28°♓39'59	0°30'08
morning rise	-5694 May 21 j 11:10	29°♓40'45	
	-5694 May 26 j 21:57	0°♈	
retrograde	-5694 Aug 21 j 23:44	2°♈59'16	
opposition	-5694 Nov 03 j 15:36	0°♈57'02	-0°31'31
min. Earth dist.	-5694 Nov 04 j 15:58	0°♈54'23	17.66116 AU
	-5694 Nov 26 j 06:48	30°℞♓	
direct	-5693 Jan 18 j 02:32	28°♓52'09	
	-5693 Mar 10 j 17:27	0°♈	
evening set	-5693 Apr 22 j 22:46	2°♈15'04	
conjunction	-5693 May 09 j 18:40	3°♈16'19	-0°26'29
minimum elong	-5693 May 09 j 18:41	3°♈16'19	0°26'29
max. Earth dist.	-5693 May 08 j 12:05	3°♈11'39	19.62813 AU
morning rise	-5693 May 26 j 12:14	4°♈17'16	
retrograde	-5693 Aug 26 j 19:56	7°♈36'20	
opposition	-5693 Nov 08 j 10:15	5°♈33'59	-0°27'24
min. Earth dist.	-5693 Nov 09 j 12:40	5°♈31'05	17.59648 AU
direct	-5692 Jan 22 j 22:27	3°♈28'41	
evening set	-5692 Apr 27 j 01:33	6°♈52'53	
conjunction	-5692 May 13 j 21:01	7°♈54'20	-0°22'41
minimum elong	-5692 May 13 j 21:02	7°♈54'20	0°22'39
max. Earth dist.	-5692 May 12 j 13:14	7°♈49'27	19.56527 AU
morning rise	-5692 May 30 j 13:59	8°♈55'27	
retrograde	-5692 Aug 30 j 19:08	12°♈15'01	
opposition	-5692 Nov 12 j 05:29	10°♈12'33	-0°23'05
min. Earth dist.	-5692 Nov 13 j 07:48	10°♈09'41	17.53559 AU
direct	-5691 Jan 26 j 21:40	8°♈06'54	
evening set	-5691 May 02 j 04:54	11°♈32'18	
conjunction	-5691 May 18 j 23:57	12°♈33'57	-0°18'43
minimum elong	-5691 May 18 j 23:57	12°♈33'57	0°18'41
max. Earth dist.	-5691 May 17 j 15:47	12°♈28'59	19.50644 AU
morning rise	-5691 Jun 04 j 15:58	13°♈35'13	
retrograde	-5691 Sep 04 j 16:28	16°♈55'16	
opposition	-5691 Nov 17 j 01:55	14°♈52'45	-0°18'36
min. Earth dist.	-5691 Nov 18 j 05:44	14°♈49'42	17.47921 AU
direct	-5690 Jan 31 j 18:57	12°♈46'46	

Attention, astronomical year style is used: The year -5690 in astronomical counting style is the year 5691 BCE in historical counting style.

evening set	-5690 May 07 j 08:40	16°♈13'20	
max. Earth dist.	-5690 May 22 j 17:49	17°♈09'59	19.45261 AU
conjunction	-5690 May 24 j 02:59	17°♈15'08	-0°14'37
minimum elong	-5690 May 24 j 02:59	17°♈15'08	0°14'32
behind sun begin	-5690 May 24 j 00:15	17°♈14'43	
behind sun end	-5690 May 24 j 05:43	17°♈15'32	
morning rise	-5690 Jun 09 j 18:16	18°♈16'31	
retrograde	-5690 Sep 09 j 16:45	21°♈37'04	
opposition	-5690 Nov 21 j 23:00	19°♈34'29	-0°13'57
min. Earth dist.	-5690 Nov 23 j 02:16	19°♈31'30	17.42806 AU
direct	-5689 Feb 05 j 19:41	17°♈28'15	
evening set	-5689 May 12 j 12:57	20°♈55'55	
max. Earth dist.	-5689 May 27 j 22:05	21°♈52'47	19.40413 AU
conjunction	-5689 May 29 j 06:42	21°♈57'52	-0°10'24
minimum elong	-5689 May 29 j 06:42	21°♈57'52	0°10'19
behind sun begin	-5689 May 29 j 01:24	21°♈57'03	
behind sun end	-5689 May 29 j 12:00	21°♈58'40	
morning rise	-5689 Jun 14 j 20:52	22°♈59'21	
retrograde	-5689 Sep 14 j 15:19	26°♈20'21	
opposition	-5689 Nov 26 j 20:57	24°♈17'47	-0°09'11
min. Earth dist.	-5689 Nov 28 j 01:14	24°♈14'41	17.38245 AU
direct	-5688 Feb 10 j 18:25	22°♈11'21	
evening set	-5688 May 16 j 17:52	25°♈40'04	
max. Earth dist.	-5688 Jun 01 j 01:00	26°♈36'52	19.36146 AU
conjunction	-5688 Jun 02 j 10:41	26°♈42'07	-0°06'06
minimum elong	-5688 Jun 02 j 10:40	26°♈42'07	0°05'58
behind sun begin	-5688 Jun 02 j 04:14	26°♈41'08	
behind sun end	-5688 Jun 02 j 17:06	26°♈43'06	
morning rise	-5688 Jun 18 j 24:00	27°♈43'40	
	-5688 Jul 31 j 16:02	0°♉	
retrograde	-5688 Sep 18 j 16:32	1°♉05'07	
	-5688 Nov 08 j 02:33	30°℞♈	
opposition	-5688 Nov 30 j 19:43	29°♈02'35	-0°04'19
min. Earth dist.	-5688 Dec 01 j 23:29	28°♈59'33	17.34265 AU
direct	-5687 Feb 14 j 20:37	26°♈56'01	
	-5687 May 14 j 20:21	0°♉	
evening set	-5687 May 21 j 22:58	0°♉25'42	
max. Earth dist.	-5687 Jun 06 j 06:34	1°♉22'45	19.32442 AU
conjunction	-5687 Jun 07 j 15:00	1°♉27'50	-0°01'42
minimum elong	-5687 Jun 07 j 15:00	1°♉27'50	0°01'32
behind sun begin	-5687 Jun 07 j 08:15	1°♉26'48	
behind sun end	-5687 Jun 07 j 21:45	1°♉28'52	
morning rise	-5687 Jun 24 j 03:01	2°♉29'26	
retrograde	-5687 Sep 23 j 16:07	5°♉51'17	
asc. node	-5687 Oct 23 j 04:10	5°♉27'28	
opposition	-5687 Dec 05 j 19:27	3°♉48'50	0°00'36
min. Earth dist.	-5687 Dec 06 j 23:45	3°♉45'44	17.30840 AU
direct	-5686 Feb 19 j 21:22	1°♉42'11	
evening set	-5686 May 27 j 04:33	5°♉12'43	
max. Earth dist.	-5686 Jun 11 j 10:04	6°♉09'39	19.29298 AU
conjunction	-5686 Jun 12 j 19:24	6°♉14'54	0°02'51
minimum elong	-5686 Jun 12 j 19:25	6°♉14'54	0°03'01
behind sun begin	-5686 Jun 12 j 12:42	6°♉13'52	
behind sun end	-5686 Jun 13 j 02:08	6°♉15'56	
morning rise	-5686 Jun 29 j 06:26	7°♉16'32	
retrograde	-5686 Sep 28 j 17:36	10°♉38'44	
opposition	-5686 Dec 10 j 19:49	8°♉36'22	0°05'32
min. Earth dist.	-5686 Dec 11 j 23:43	8°♉33'18	17.27974 AU
direct	-5685 Feb 25 j 01:09	6°♉29'39	
evening set	-5685 Jun 01 j 10:06	10°♉00'55	
max. Earth dist.	-5685 Jun 16 j 16:13	10°♉58'06	19.26685 AU
conjunction	-5685 Jun 18 j 00:05	11°♉03'07	0°07'16
minimum elong	-5685 Jun 18 j 00:04	11°♉03'07	0°07'29
behind sun begin	-5685 Jun 17 j 17:57	11°♉02'11	
behind sun end	-5685 Jun 18 j 06:12	11°♉04'04	
morning rise	-5685 Jul 04 j 09:45	12°♉04'45	
	-5685 Sep 02 j 16:16	15°♉	
retrograde	-5685 Oct 03 j 17:53	15°♉27'15	
	-5685 Nov 04 j 09:13	15°℞♉	
opposition	-5685 Dec 15 j 21:03	13°♉24'57	0°10'28
min. Earth dist.	-5685 Dec 17 j 00:57	13°♉21'54	17.25610 AU
direct	-5684 Mar 01 j 04:39	11°♉18'13	
evening set	-5684 Jun 05 j 16:03	14°♉50'05	
	-5684 Jun 08 j 08:10	15°♉	
max. Earth dist.	-5684 Jun 20 j 20:09	15°♉47'08	19.24574 AU
conjunction	-5684 Jun 22 j 04:42	15°♉52'16	0°11'38
minimum elong	-5684 Jun 22 j 04:41	15°♉52'16	0°11'51
behind sun begin	-5684 Jun 22 j 00:03	15°♉51'33	
behind sun end	-5684 Jun 22 j 09:20	15°♉52'59	
morning rise	-5684 Jul 08 j 13:11	16°♉53'52	
retrograde	-5684 Oct 07 j 18:55	20°♉16'37	
opposition	-5684 Dec 19 j 22:54	18°♉14'22	0°15'20
min. Earth dist.	-5684 Dec 21 j 02:31	18°♉11'22	17.23758 AU
direct	-5683 Mar 06 j 09:49	16°♉07'35	
evening set	-5683 Jun 10 j 21:47	19°♉39'57	
max. Earth dist.	-5683 Jun 26 j 02:28	20°♉37'12	19.22970 AU
conjunction	-5683 Jun 27 j 09:20	20°♉42'05	0°15'56
minimum elong	-5683 Jun 27 j 09:20	20°♉42'05	0°16'12
morning rise	-5683 Jul 13 j 16:25	21°♉43'36	
retrograde	-5683 Oct 12 j 20:16	25°♉06'31	
opposition	-5683 Dec 25 j 01:24	23°♉04'20	0°20'06
min. Earth dist.	-5683 Dec 26 j 04:12	23°♉01'25	17.22400 AU
direct	-5682 Mar 11 j 15:19	20°♉57'33	
evening set	-5682 Jun 16 j 03:19	24°♉30'13	
max. Earth dist.	-5682 Jul 01 j 06:44	25°♉27'24	19.21870 AU
conjunction	-5682 Jul 02 j 13:29	25°♉32'16	0°20'09
minimum elong	-5682 Jul 02 j 13:29	25°♉32'16	0°20'25
morning rise	-5682 Jul 18 j 19:20	26°♉33'43	
retrograde	-5682 Oct 17 j 21:02	29°♉56'44	
opposition	-5682 Dec 30 j 04:20	27°♉54'35	0°24'44
min. Earth dist.	-5682 Dec 31 j 06:50	27°♉51'42	17.21569 AU
direct	-5681 Mar 16 j 20:17	25°♉47'47	
evening set	-5681 Jun 21 j 08:36	29°♉20'38	
	-5681 Jul 01 j 19:26	0°♊	
conjunction	-5681 Jul 07 j 17:33	0°♊22'35	0°24'12
minimum elong	-5681 Jul 07 j 17:33	0°♊22'35	0°24'29
max. Earth dist.	-5681 Jul 06 j 12:32	0°♊17'58	19.21307 AU
morning rise	-5681 Jul 23 j 22:03	1°♊23'55	
retrograde	-5681 Oct 22 j 23:26	4°♊46'56	
opposition	-5680 Jan 04 j 07:25	2°♊44'50	0°29'10
min. Earth dist.	-5680 Jan 05 j 08:25	2°♊42'07	17.21265 AU
direct	-5680 Mar 21 j 02:35	0°♊38'02	
evening set	-5680 Jun 25 j 13:36	4°♊10'55	
conjunction	-5680 Jul 11 j 21:09	5°♊12'44	0°28'05
minimum elong	-5680 Jul 11 j 21:09	5°♊12'44	0°28'24
max. Earth dist.	-5680 Jul 10 j 17:09	5°♊08'17	19.21285 AU
morning rise	-5680 Jul 28 j 00:18	6°♊13'56	
retrograde	-5680 Oct 26 j 23:48	9°♊36'55	
opposition	-5679 Jan 08 j 11:04	7°♊34'50	0°33'24
min. Earth dist.	-5679 Jan 09 j 11:37	7°♊32'10	17.21539 AU
direct	-5679 Mar 26 j 06:55	5°♊28'03	
evening set	-5679 Jun 30 j 17:52	9°♊00'50	
max. Earth dist.	-5679 Jul 15 j 21:57	9°♊58'20	19.21862 AU

Attention, astronomical year style is used: The year -5679 in astronomical counting style is the year 5680 BCE in historical counting style.

conjunction	-5679 Jul 17 j 00:03	10°♊02'29	0°31'46
minimum elong	-5679 Jul 17 j 00:03	10°♊02'29	0°32'05
morning rise	-5679 Aug 02 j 01:56	11°♊03'31	
retrograde	-5679 Nov 01 j 02:22	14°♊26'24	
opposition	-5678 Jan 13 j 14:48	12°♊24'20	0°37'24
min. Earth dist.	-5678 Jan 14 j 12:56	12°♊21'57	17.22413 AU
direct	-5678 Mar 31 j 13:30	10°♊17'39	
evening set	-5678 Jul 05 j 21:37	13°♊50'10	
max. Earth dist.	-5678 Jul 21 j 02:29	14°♊47'49	19.23052 AU
conjunction	-5678 Jul 22 j 02:28	14°♊51'38	0°35'13
minimum elong	-5678 Jul 22 j 02:28	14°♊51'38	0°35'33
morning rise	-5678 Aug 07 j 02:59	15°♊52'29	
retrograde	-5678 Nov 06 j 02:02	19°♊15'13	
opposition	-5677 Jan 18 j 18:39	17°♊13'11	0°41'06
min. Earth dist.	-5677 Jan 19 j 16:01	17°♊10'52	17.23937 AU
direct	-5677 Apr 05 j 17:41	15°♊06'35	
evening set	-5677 Jul 11 j 00:44	18°♊38'45	
max. Earth dist.	-5677 Jul 26 j 05:59	19°♊36'27	19.24912 AU
conjunction	-5677 Jul 27 j 04:09	19°♊39'59	0°38'25
minimum elong	-5677 Jul 27 j 04:09	19°♊39'59	0°38'45
morning rise	-5677 Aug 12 j 03:32	20°♊40'38	
retrograde	-5677 Nov 11 j 03:43	24°♊03'10	
opposition	-5676 Jan 23 j 22:31	22°♊01'11	0°44'31
min. Earth dist.	-5676 Jan 24 j 16:51	21°♊59'13	17.26122 AU
direct	-5676 Apr 10 j 00:41	19°♊54'47	
evening set	-5676 Jul 15 j 03:05	23°♊26'27	
max. Earth dist.	-5676 Jul 30 j 10:04	24°♊24'25	19.27433 AU
conjunction	-5676 Jul 31 j 05:14	24°♊27'28	0°41'20
minimum elong	-5676 Jul 31 j 05:14	24°♊27'28	0°41'40
morning rise	-5676 Aug 16 j 03:14	25°♊27'53	
retrograde	-5676 Nov 15 j 02:34	28°♊50'12	
opposition	-5675 Jan 28 j 02:34	26°♊48'18	0°47'37
min. Earth dist.	-5675 Jan 28 j 19:44	26°♊46'27	17.28982 AU
direct	-5675 Apr 15 j 04:59	24°♊42'08	
evening set	-5675 Jul 20 j 04:49	28°♊13'13	
conjunction	-5675 Aug 05 j 05:31	29°♊13'57	0°43'58
minimum elong	-5675 Aug 05 j 05:31	29°♊13'57	0°44'19
max. Earth dist.	-5675 Aug 04 j 12:05	29°♊11'11	19.30638 AU
	-5675 Aug 17 j 07:56	0°♋	
morning rise	-5675 Aug 21 j 02:31	0°♋14'09	
retrograde	-5675 Nov 20 j 03:32	3°♋36'12	
opposition	-5674 Feb 02 j 06:23	1°♋34'25	0°50'23
min. Earth dist.	-5674 Feb 02 j 20:15	1°♋32'56	17.32504 AU
	-5674 Mar 15 j 22:15	30°℞♊	
direct	-5674 Apr 20 j 11:24	29°♊28'33	
	-5674 May 25 j 04:31	0°♋	
evening set	-5674 Jul 25 j 05:31	2°♋58'55	
conjunction	-5674 Aug 10 j 05:07	3°♋59'25	0°46'17
minimum elong	-5674 Aug 10 j 05:07	3°♋59'25	0°46'37
max. Earth dist.	-5674 Aug 09 j 15:11	3°♋57'12	19.34469 AU
morning rise	-5674 Aug 26 j 00:52	4°♋59'21	
retrograde	-5674 Nov 25 j 01:59	8°♋21'06	
opposition	-5673 Feb 07 j 10:12	6°♋19'29	0°52'47
min. Earth dist.	-5673 Feb 07 j 22:43	6°♋18'09	17.36622 AU
direct	-5673 Apr 25 j 15:25	4°♋13'57	
evening set	-5673 Jul 30 j 05:42	7°♋43'32	
conjunction	-5673 Aug 15 j 03:53	8°♋43'44	0°48'17
minimum elong	-5673 Aug 15 j 03:52	8°♋43'44	0°48'38
max. Earth dist.	-5673 Aug 14 j 15:24	8°♋41'45	19.38870 AU
morning rise	-5673 Aug 30 j 22:46	9°♋43'25	
retrograde	-5673 Nov 30 j 01:52	13°♋04'49	

opposition	-5672 Feb 12 j 13:36	11°♋03'21	0°54'49
min. Earth dist.	-5672 Feb 12 j 23:03	11°♋02'21	17.41276 AU
direct	-5672 Apr 29 j 20:19	8°♋58'12	
evening set	-5672 Aug 03 j 04:54	12°♋26'53	
conjunction	-5672 Aug 19 j 02:03	13°♋26'47	0°49'57
minimum elong	-5672 Aug 19 j 02:03	13°♋26'47	0°50'18
max. Earth dist.	-5672 Aug 18 j 17:10	13°♋25'23	19.43763 AU
morning rise	-5672 Sep 03 j 19:47	14°♋26'13	
retrograde	-5672 Dec 04 j 00:06	17°♋47'12	
opposition	-5671 Feb 16 j 17:04	15°♋45'56	0°56'28
min. Earth dist.	-5671 Feb 17 j 00:54	15°♋45'06	17.46385 AU
direct	-5671 May 04 j 23:37	13°♋41'11	
evening set	-5671 Aug 08 j 03:16	17°♋08'51	
conjunction	-5671 Aug 23 j 23:07	18°♋08'26	0°51'17
minimum elong	-5671 Aug 23 j 23:07	18°♋08'26	0°51'36
max. Earth dist.	-5671 Aug 23 j 15:37	18°♋07'15	19.49081 AU
morning rise	-5671 Sep 08 j 16:09	19°♋07'35	
retrograde	-5671 Dec 08 j 23:01	22°♋28'10	
opposition	-5670 Feb 21 j 20:02	20°♋27'02	0°57'44
min. Earth dist.	-5670 Feb 22 j 01:03	20°♋26'30	17.51892 AU
direct	-5670 May 10 j 02:47	18°♋22'40	
evening set	-5670 Aug 13 j 00:39	21°♋49'16	
conjunction	-5670 Aug 28 j 19:38	22°♋48'32	0°52'15
minimum elong	-5670 Aug 28 j 19:37	22°♋48'32	0°52'35
max. Earth dist.	-5670 Aug 28 j 15:35	22°♋47'54	19.54753 AU
morning rise	-5670 Sep 13 j 11:42	23°♋47'24	
retrograde	-5670 Dec 13 j 20:20	27°♋07'29	
opposition	-5669 Feb 26 j 22:27	25°♋06'30	0°58'36
min. Earth dist.	-5669 Feb 27 j 01:39	25°♋06'10	17.57708 AU
direct	-5669 May 15 j 04:59	23°♋02'32	
evening set	-5669 Aug 17 j 21:18	26°♋27'57	
conjunction	-5669 Sep 02 j 15:07	27°♋26'55	0°52'52
minimum elong	-5669 Sep 02 j 15:07	27°♋26'55	0°53'10
max. Earth dist.	-5669 Sep 02 j 12:18	27°♋26'28	19.60711 AU
morning rise	-5669 Sep 18 j 06:39	28°♋25'30	
	-5669 Oct 15 j 22:39	0°♌	
retrograde	-5669 Dec 18 j 18:03	1°♌45'04	
	-5668 Feb 25 j 16:46	30°℞♋	
opposition	-5668 Mar 03 j 00:28	29°♋44'12	0°59'05
min. Earth dist.	-5668 Mar 03 j 01:16	29°♋44'07	17.63796 AU
direct	-5668 May 19 j 06:24	27°♋40'36	
	-5668 Aug 03 j 06:09	0°♌	
evening set	-5668 Aug 21 j 16:37	1°♌04'47	
conjunction	-5668 Sep 06 j 09:42	2°♌03'25	0°53'08
minimum elong	-5668 Sep 06 j 09:42	2°♌03'25	0°53'27
max. Earth dist.	-5668 Sep 06 j 10:12	2°♌03'30	19.66912 AU
morning rise	-5668 Sep 22 j 00:28	3°♌01'44	
retrograde	-5668 Dec 22 j 14:27	6°♌20'43	
opposition	-5667 Mar 08 j 01:55	4°♌19'58	0°59'10
min. Earth dist.	-5667 Mar 08 j 00:24	4°♌20'07	17.70093 AU
direct	-5667 May 24 j 07:20	2°♌16'46	
evening set	-5667 Aug 26 j 11:07	5°♌39'37	
conjunction	-5667 Sep 11 j 03:16	6°♌37'55	0°53'04
minimum elong	-5667 Sep 11 j 03:16	6°♌37'55	0°53'22
max. Earth dist.	-5667 Sep 11 j 05:13	6°♌38'13	19.73317 AU
morning rise	-5667 Sep 26 j 17:40	7°♌35'57	
retrograde	-5667 Dec 27 j 10:43	10°♌54'21	
opposition	-5666 Mar 13 j 02:36	8°♌53'39	0°58'53
min. Earth dist.	-5666 Mar 12 j 23:01	8°♌54'01	17.76606 AU
direct	-5666 May 29 j 07:01	6°♌50'48	
evening set	-5666 Aug 31 j 04:18	10°♌12'18	

Attention, astronomical year style is used: The year -5666 in astronomical counting style is the year 5667 BCE in historical counting style.

conjunction	-5666 Sep 15 j 19:54	11°♌10'17	0°52'39
minimum elong	-5666 Sep 15 j 19:54	11°♌10'17	0°52'56
max. Earth dist.	-5666 Sep 16 j 00:59	11°♌11'05	19.79924 AU
morning rise	-5666 Oct 01 j 09:48	12°♌08'02	
	-5666 Dec 01 j 02:19	15°♌	
retrograde	-5665 Jan 01 j 05:48	15°♌25'48	
	-5665 Feb 02 j 05:48	15°℞♌	
opposition	-5665 Mar 18 j 02:27	13°♌25'10	0°58'14
min. Earth dist.	-5665 Mar 17 j 20:10	13°♌25'49	17.83294 AU
direct	-5665 Jun 03 j 06:48	11°♌22'41	
evening set	-5665 Sep 04 j 20:31	14°♌42'45	
	-5665 Sep 09 j 13:43	15°♌	
conjunction	-5665 Sep 20 j 11:21	15°♌40'25	0°51'56
minimum elong	-5665 Sep 20 j 11:21	15°♌40'25	0°52'12
max. Earth dist.	-5665 Sep 20 j 18:15	15°♌41'29	19.86709 AU
morning rise	-5665 Oct 06 j 01:01	16°♌37'54	
retrograde	-5664 Jan 05 j 23:58	19°♌55'01	
opposition	-5664 Mar 22 j 01:37	17°♌54'25	0°57'13
min. Earth dist.	-5664 Mar 21 j 17:27	17°♌55'16	17.90187 AU
direct	-5664 Jun 07 j 04:46	15°♌52'19	
evening set	-5664 Sep 08 j 11:37	19°♌10'57	
conjunction	-5664 Sep 24 j 02:00	20°♌08'19	0°50'54
minimum elong	-5664 Sep 24 j 02:00	20°♌08'19	0°51'08
max. Earth dist.	-5664 Sep 24 j 11:59	20°♌09'51	19.93706 AU
morning rise	-5664 Oct 09 j 15:21	21°♌05'31	
retrograde	-5663 Jan 09 j 17:50	24°♌21'59	
opposition	-5663 Mar 26 j 23:53	22°♌21'26	0°55'53
min. Earth dist.	-5663 Mar 26 j 12:32	22°♌22'36	17.97281 AU
direct	-5663 Jun 12 j 03:01	20°♌19'44	
evening set	-5663 Sep 13 j 01:41	23°♌36'56	
conjunction	-5663 Sep 28 j 15:33	24°♌33'58	0°49'34
minimum elong	-5663 Sep 28 j 15:33	24°♌33'58	0°49'48
max. Earth dist.	-5663 Sep 29 j 03:38	24°♌35'50	20.00897 AU
morning rise	-5663 Oct 14 j 04:50	25°♌30'55	
retrograde	-5662 Jan 14 j 09:42	28°♌46'45	
opposition	-5662 Mar 31 j 21:24	26°♌46'16	0°54'13
min. Earth dist.	-5662 Mar 31 j 08:25	26°♌47'36	18.04575 AU
direct	-5662 Jun 16 j 22:54	24°♌44'59	
evening set	-5662 Sep 17 j 14:49	28°♌00'46	
conjunction	-5662 Oct 03 j 04:24	28°♌57'31	0°47'58
minimum elong	-5662 Oct 03 j 04:24	28°♌57'31	0°48'09
max. Earth dist.	-5662 Oct 03 j 19:09	28°♌59'46	20.08276 AU
morning rise	-5662 Oct 18 j 17:35	29°♌54'12	
	-5662 Oct 20 j 08:34	0°♍	
retrograde	-5661 Jan 19 j 02:26	3°♍09'22	
opposition	-5661 Apr 05 j 17:44	1°♍09'01	0°52'16
min. Earth dist.	-5661 Apr 05 j 01:36	1°♍10'40	18.12018 AU
	-5661 May 05 j 15:25	30°℞♌	
direct	-5661 Jun 21 j 19:00	29°♌08'09	
	-5661 Aug 05 j 21:32	0°♍	
evening set	-5661 Sep 22 j 03:07	2°♍22'33	
conjunction	-5661 Oct 07 j 16:21	3°♍19'00	0°46'06
minimum elong	-5661 Oct 07 j 16:21	3°♍19'00	0°46'17
max. Earth dist.	-5661 Oct 08 j 09:12	3°♍21'34	20.15776 AU
morning rise	-5661 Oct 23 j 05:37	4°♍15'27	
retrograde	-5660 Jan 23 j 16:28	7°♍30'00	
opposition	-5660 Apr 09 j 13:37	5°♍29'46	0°50'02
min. Earth dist.	-5660 Apr 08 j 20:14	5°♍31'33	18.19569 AU
direct	-5660 Jun 25 j 12:10	3°♍29'22	
evening set	-5660 Sep 25 j 14:20	6°♍42'23	
conjunction	-5660 Oct 11 j 03:27	7°♍38'33	0°43'59
minimum elong	-5660 Oct 11 j 03:28	7°♍38'33	0°44'08
max. Earth dist.	-5660 Oct 11 j 22:36	7°♍41'27	20.23357 AU
morning rise	-5660 Oct 26 j 16:49	8°♍34'46	
retrograde	-5659 Jan 27 j 08:15	11°♍48'42	
opposition	-5659 Apr 14 j 08:31	9°♍48'37	0°47'31
min. Earth dist.	-5659 Apr 13 j 12:09	9°♍50'41	18.27148 AU
direct	-5659 Jun 30 j 06:18	7°♍48'40	
evening set	-5659 Sep 30 j 00:58	11°♍00'19	
conjunction	-5659 Oct 15 j 13:57	11°♍56'14	0°41'38
minimum elong	-5659 Oct 15 j 13:57	11°♍56'14	0°41'45
max. Earth dist.	-5659 Oct 16 j 11:02	11°♍59'25	20.30916 AU
morning rise	-5659 Oct 31 j 03:34	12°♍52'14	
retrograde	-5658 Jan 31 j 20:48	16°♍05'32	
min. Earth dist.	-5658 Apr 18 j 05:34	14°♍07'44	18.34685 AU
opposition	-5658 Apr 19 j 02:35	14°♍05'36	0°44'46
direct	-5658 Jul 04 j 21:04	12°♍06'06	
evening set	-5658 Oct 04 j 10:47	15°♍16'26	
conjunction	-5658 Oct 19 j 23:48	16°♍12'05	0°39'03
minimum elong	-5658 Oct 19 j 23:48	16°♍12'05	0°39'11
max. Earth dist.	-5658 Oct 20 j 22:29	16°♍15'29	20.38399 AU
morning rise	-5658 Nov 04 j 13:41	17°♍07'52	
retrograde	-5657 Feb 05 j 11:33	20°♍20'35	
opposition	-5657 Apr 23 j 19:46	18°♍20'46	0°41'47
min. Earth dist.	-5657 Apr 22 j 20:11	18°♍23'09	18.42088 AU
direct	-5657 Jul 09 j 12:54	16°♍21'42	
evening set	-5657 Oct 08 j 19:54	19°♍30'44	
conjunction	-5657 Oct 24 j 08:55	20°♍26'09	0°36'18
minimum elong	-5657 Oct 24 j 08:55	20°♍26'09	0°36'22
max. Earth dist.	-5657 Oct 25 j 09:17	20°♍29'48	20.45698 AU
morning rise	-5657 Nov 08 j 23:07	21°♍21'44	
retrograde	-5656 Feb 09 j 23:01	24°♍33'52	
opposition	-5656 Apr 27 j 12:23	22°♍34'11	0°38'35
min. Earth dist.	-5656 Apr 26 j 12:31	22°♍36'35	18.49286 AU
direct	-5656 Jul 13 j 02:16	20°♍35'31	
evening set	-5656 Oct 12 j 04:24	23°♍43'16	
conjunction	-5656 Oct 27 j 17:34	24°♍38'28	0°33'21
minimum elong	-5656 Oct 27 j 17:34	24°♍38'28	0°33'25
max. Earth dist.	-5656 Oct 28 j 18:59	24°♍42'15	20.52770 AU
morning rise	-5656 Nov 12 j 08:13	25°♍33'52	
retrograde	-5655 Feb 13 j 12:40	28°♍45'25	
min. Earth dist.	-5655 May 01 j 01:53	26°♍48'26	18.56214 AU
opposition	-5655 May 02 j 03:56	26°♍45'49	0°35'13
direct	-5655 Jul 17 j 16:07	24°♍47'31	
evening set	-5655 Oct 16 j 12:13	27°♍54'02	
conjunction	-5655 Nov 01 j 01:38	28°♍49'02	0°30'14
minimum elong	-5655 Nov 01 j 01:38	28°♍49'02	0°30'16
max. Earth dist.	-5655 Nov 02 j 04:24	28°♍53'00	20.59528 AU
morning rise	-5655 Nov 16 j 16:47	29°♍44'16	
	-5655 Nov 21 j 06:21	0°♎	
retrograde	-5654 Feb 17 j 23:10	2°♎55'14	
opposition	-5654 May 06 j 18:50	0°♎55'42	0°31'40
min. Earth dist.	-5654 May 05 j 16:52	0°♎58'19	18.62807 AU
	-5654 May 30 j 19:49	30°℞♍	
direct	-5654 Jul 22 j 04:08	28°♍57'44	
	-5654 Sep 10 j 01:18	0°♎	
evening set	-5654 Oct 20 j 19:26	2°♎03'04	
conjunction	-5654 Nov 05 j 09:09	2°♎57'52	0°27'00
minimum elong	-5654 Nov 05 j 09:09	2°♎57'52	0°27'00
max. Earth dist.	-5654 Nov 06 j 12:28	3°♎01'54	20.65946 AU
morning rise	-5654 Nov 21 j 00:51	3°♎52'57	
retrograde	-5653 Feb 22 j 11:23	7°♎03'20	

Attention, astronomical year style is used: The year -5653 in astronomical counting style is the year 5654 BCE in historical counting style.

min. Earth dist.	-5653 May 10 j 04:47	5°♎06'38	18.69043 AU
opposition	-5653 May 11 j 08:36	5°♎03'50	0°28'00
direct	-5653 Jul 26 j 16:18	3°♎06'08	
evening set	-5653 Oct 25 j 02:00	6°♎10'20	
conjunction	-5653 Nov 09 j 16:04	7°♎04'57	0°23'38
minimum elong	-5653 Nov 09 j 16:04	7°♎04'57	0°23'38
max. Earth dist.	-5653 Nov 10 j 20:41	7°♎09'10	20.71997 AU
morning rise	-5653 Nov 25 j 08:23	7°♎59'54	
retrograde	-5652 Feb 26 j 20:31	11°♎09'45	
opposition	-5652 May 14 j 21:48	9°♎10'15	0°24'12
min. Earth dist.	-5652 May 13 j 18:10	9°♎13'01	18.74925 AU
direct	-5652 Jul 30 j 02:45	7°♎12'49	
evening set	-5652 Oct 28 j 07:52	10°♎15'54	
conjunction	-5652 Nov 12 j 22:23	11°♎10'22	0°20'11
minimum elong	-5652 Nov 12 j 22:23	11°♎10'22	0°20'08
max. Earth dist.	-5652 Nov 14 j 03:29	11°♎14'38	20.77718 AU
morning rise	-5652 Nov 28 j 15:26	12°♎05'11	
retrograde	-5651 Mar 02 j 07:46	15°♎14'30	
min. Earth dist.	-5651 May 18 j 04:40	13°♎17'57	18.80482 AU
opposition	-5651 May 19 j 10:00	13°♎15'01	0°20'19
direct	-5651 Aug 03 j 13:18	11°♎17'48	
evening set	-5651 Nov 01 j 13:20	14°♎19'52	
conjunction	-5651 Nov 17 j 04:21	15°♎14'11	0°16'39
minimum elong	-5651 Nov 17 j 04:21	15°♎14'11	0°16'36
max. Earth dist.	-5651 Nov 18 j 10:45	15°♎18'37	20.83107 AU
morning rise	-5651 Dec 02 j 22:05	16°♎08'54	
retrograde	-5650 Mar 06 j 15:36	19°♎17'43	
opposition	-5650 May 23 j 21:18	17°♎18'14	0°16'22
min. Earth dist.	-5650 May 22 j 16:16	17°♎21'08	18.85729 AU
direct	-5650 Aug 07 j 21:39	15°♎21'15	
evening set	-5650 Nov 05 j 18:20	18°♎22'22	
conjunction	-5650 Nov 21 j 09:53	19°♎16'34	0°13'04
minimum elong	-5650 Nov 21 j 09:52	19°♎16'34	0°12'59
behind sun begin	-5650 Nov 21 j 05:49	19°♎15'59	
behind sun end	-5650 Nov 21 j 13:56	19°♎17'08	
max. Earth dist.	-5650 Nov 22 j 16:32	19°♎21'01	20.88213 AU
morning rise	-5650 Dec 07 j 04:24	20°♎11'11	
retrograde	-5649 Mar 11 j 02:03	23°♎19'33	
min. Earth dist.	-5649 May 27 j 01:21	21°♎23'09	18.90692 AU
opposition	-5649 May 28 j 07:55	21°♎20'05	0°12'22
direct	-5649 Aug 12 j 06:41	19°♎23'19	
evening set	-5649 Nov 09 j 22:48	22°♎23'35	
conjunction	-5649 Nov 25 j 14:57	23°♎17'41	0°09'27
minimum elong	-5649 Nov 25 j 14:57	23°♎17'41	0°09'21
behind sun begin	-5649 Nov 25 j 09:25	23°♎16'54	
behind sun end	-5649 Nov 25 j 20:29	23°♎18'27	
max. Earth dist.	-5649 Nov 26 j 22:52	23°♎22'18	20.93018 AU
morning rise	-5649 Dec 11 j 10:13	24°♎12'13	
retrograde	-5648 Mar 14 j 09:31	27°♎20'12	
min. Earth dist.	-5648 May 30 j 11:45	25°♎23'48	18.95355 AU
opposition	-5648 May 31 j 18:00	25°♎20'46	0°08'19
direct	-5648 Aug 15 j 13:07	23°♎24'15	
evening set	-5648 Nov 13 j 03:06	26°♎23'43	
conjunction	-5648 Nov 28 j 19:53	27°♎17'44	0°05'48
minimum elong	-5648 Nov 28 j 19:54	27°♎17'44	0°05'40
behind sun begin	-5648 Nov 28 j 13:36	27°♎16'51	
behind sun end	-5648 Nov 29 j 02:12	27°♎18'37	
max. Earth dist.	-5648 Nov 30 j 03:50	27°♎22'20	20.97536 AU
morning rise	-5648 Dec 14 j 16:04	28°♎12'13	
	-5647 Jan 19 j 03:02	0°♏	
retrograde	-5647 Mar 18 j 19:12	1°♏19'50	
	-5647 May 19 j 07:57	30°℞♎	
min. Earth dist.	-5647 Jun 03 j 19:54	29°♎23'36	18.99712 AU
opposition	-5647 Jun 05 j 03:14	29°♎20'28	0°04'15
direct	-5647 Aug 19 j 21:00	27°♎24'09	
	-5647 Nov 10 j 09:26	0°♏	
evening set	-5647 Nov 17 j 07:09	0°♏22'57	
conjunction	-5647 Dec 03 j 00:42	1°♏16'54	0°02'07
minimum elong	-5647 Dec 03 j 00:41	1°♏16'54	0°01'58
behind sun begin	-5647 Dec 02 j 18:07	1°♏15'58	
behind sun end	-5647 Dec 03 j 07:15	1°♏17'49	
max. Earth dist.	-5647 Dec 04 j 09:31	1°♏21'37	21.01711 AU
morning rise	-5647 Dec 18 j 21:43	2°♏11'20	
retrograde	-5646 Mar 23 j 02:53	5°♏18'39	
min. Earth dist.	-5646 Jun 08 j 05:25	3°♏22'25	19.03705 AU
opposition	-5646 Jun 09 j 12:02	3°♏19'21	0°00'10
desc. node	-5646 Jun 24 j 19:44	2°♏43'13	
direct	-5646 Aug 24 j 02:20	1°♏23'16	
evening set	-5646 Nov 21 j 11:01	4°♏21'27	
conjunction	-5646 Dec 07 j 05:16	5°♏15'20	-0°01'41
minimum elong	-5646 Dec 07 j 05:15	5°♏15'20	0°01'52
behind sun begin	-5646 Dec 06 j 22:41	5°♏14'25	
behind sun end	-5646 Dec 07 j 11:50	5°♏16'15	
max. Earth dist.	-5646 Dec 08 j 13:41	5°♏19'59	21.05515 AU
morning rise	-5646 Dec 23 j 03:13	6°♏09'45	
retrograde	-5645 Mar 27 j 11:49	9°♏16'48	
opposition	-5645 Jun 13 j 20:13	7°♏17'35	-0°03'54
min. Earth dist.	-5645 Jun 12 j 12:58	7°♏20'42	19.07303 AU
direct	-5645 Aug 28 j 08:57	5°♏21'42	
evening set	-5645 Nov 25 j 14:52	8°♏19'20	
conjunction	-5645 Dec 11 j 09:55	9°♏13'12	-0°05'22
minimum elong	-5645 Dec 11 j 09:54	9°♏13'12	0°05'34
behind sun begin	-5645 Dec 11 j 03:34	9°♏12'19	
behind sun end	-5645 Dec 11 j 16:15	9°♏14'05	
max. Earth dist.	-5645 Dec 12 j 18:51	9°♏17'55	21.08887 AU
morning rise	-5645 Dec 27 j 08:45	10°♏07'37	
retrograde	-5644 Mar 30 j 19:24	13°♏14'27	
min. Earth dist.	-5644 Jun 15 j 21:53	11°♏18'18	19.10446 AU
opposition	-5644 Jun 17 j 04:03	11°♏15'17	-0°07'56
direct	-5644 Aug 31 j 14:06	9°♏19'35	
evening set	-5644 Nov 28 j 18:42	12°♏16'46	
conjunction	-5644 Dec 14 j 14:34	13°♏10'37	-0°08'59
minimum elong	-5644 Dec 14 j 14:34	13°♏10'37	0°09'12
behind sun begin	-5644 Dec 14 j 08:59	13°♏09'50	
behind sun end	-5644 Dec 14 j 20:09	13°♏11'23	
max. Earth dist.	-5644 Dec 15 j 22:33	13°♏15'11	21.11790 AU
morning rise	-5644 Dec 30 j 14:26	14°♏05'02	
	-5643 Jan 16 j 16:44	15°♏	
retrograde	-5643 Apr 04 j 04:06	17°♏11'41	
min. Earth dist.	-5643 Jun 20 j 05:10	15°♏15'35	19.13085 AU
opposition	-5643 Jun 21 j 11:23	15°♏12'34	-0°11'56
	-5643 Jun 26 j 17:34	15°℞♏	
direct	-5643 Sep 04 j 19:23	13°♏16'59	
	-5643 Nov 09 j 09:52	15°♏	
evening set	-5643 Dec 02 j 22:44	16°♏13'48	
conjunction	-5643 Dec 18 j 19:27	17°♏07'39	-0°12'34
minimum elong	-5643 Dec 18 j 19:27	17°♏07'39	0°12'49
behind sun begin	-5643 Dec 18 j 15:19	17°♏07'05	
behind sun end	-5643 Dec 18 j 23:35	17°♏08'14	
max. Earth dist.	-5643 Dec 20 j 03:21	17°♏12'12	21.14139 AU
morning rise	-5642 Jan 03 j 20:12	18°♏02'05	
retrograde	-5642 Apr 08 j 10:57	21°♏08'34	
opposition	-5642 Jun 25 j 18:14	19°♏09'29	-0°15'52

Attention, astronomical year style is used: The year -5642 in astronomical counting style is the year 5643 BCE in historical counting style.

min. Earth dist.	-5642 Jun 24 j 13:31	19°♏12'22	19.15147 AU
direct	-5642 Sep 09 j 00:35	17°♏14'00	
evening set	-5642 Dec 07 j 02:47	20°♏10'29	
conjunction	-5642 Dec 23 j 00:23	21°♏04'22	-0°16'06
minimum elong	-5642 Dec 23 j 00:23	21°♏04'22	0°16'20
max. Earth dist.	-5642 Dec 24 j 06:45	21°♏08'41	21.15912 AU
morning rise	-5641 Jan 08 j 02:09	21°♏58'50	
retrograde	-5641 Apr 12 j 19:23	25°♏05'11	
min. Earth dist.	-5641 Jun 28 j 20:28	23°♏08'55	19.16614 AU
opposition	-5641 Jun 30 j 00:51	23°♏06'05	-0°19'44
direct	-5641 Sep 13 j 05:17	21°♏10'36	
evening set	-5641 Dec 11 j 06:46	24°♏06'51	
conjunction	-5641 Dec 27 j 05:20	25°♏00'46	-0°19'32
minimum elong	-5641 Dec 27 j 05:19	25°♏00'46	0°19'48
max. Earth dist.	-5641 Dec 28 j 11:21	25°♏05'02	21.17064 AU
morning rise	-5640 Jan 12 j 08:03	25°♏55'17	
retrograde	-5640 Apr 16 j 01:35	29°♏01'31	
min. Earth dist.	-5640 Jul 02 j 04:24	27°♏05'03	19.17457 AU
opposition	-5640 Jul 03 j 07:11	27°♏02'22	-0°23'29
direct	-5640 Sep 16 j 10:10	25°♏06'52	
evening set	-5640 Dec 14 j 11:01	28°♏02'55	
conjunction	-5640 Dec 30 j 10:31	28°♏56'53	-0°22'53
minimum elong	-5640 Dec 30 j 10:31	28°♏56'53	0°23'09
max. Earth dist.	-5640 Dec 31 j 14:49	29°♏00'54	21.17621 AU
morning rise	-5639 Jan 15 j 14:20	29°♏51'27	
	-5639 Jan 18 j 04:26	0°♐	
retrograde	-5639 Apr 20 j 09:53	2°♐57'36	
min. Earth dist.	-5639 Jul 06 j 10:49	1°♐00'59	19.17722 AU
opposition	-5639 Jul 07 j 12:56	0°♐58'21	-0°27'07
	-5639 Aug 01 j 22:04	30°℞♏	
direct	-5639 Sep 20 j 14:45	29°♏02'46	
	-5639 Nov 07 j 13:01	0°♐	
evening set	-5639 Dec 18 j 15:22	1°♐58'42	
conjunction	-5638 Jan 03 j 15:53	2°♐52'45	-0°26'07
minimum elong	-5638 Jan 03 j 15:53	2°♐52'45	0°26'24
max. Earth dist.	-5638 Jan 04 j 19:43	2°♐56'42	21.17598 AU
morning rise	-5638 Jan 19 j 20:38	3°♐47'24	
retrograde	-5638 Apr 24 j 15:19	6°♐53'28	
opposition	-5638 Jul 11 j 18:29	4°♐54'08	-0°30'37
min. Earth dist.	-5638 Jul 10 j 18:02	4°♐56'36	19.17431 AU
direct	-5638 Sep 24 j 18:41	2°♐58'27	
evening set	-5638 Dec 22 j 19:46	5°♐54'20	
conjunction	-5637 Jan 07 j 21:12	6°♐48'28	-0°29'13
minimum elong	-5637 Jan 07 j 21:12	6°♐48'28	0°29'31
max. Earth dist.	-5637 Jan 08 j 23:22	6°♐52'10	21.17066 AU
morning rise	-5637 Jan 24 j 03:01	7°♐43'12	
retrograde	-5637 Apr 28 j 23:35	10°♐49'16	
opposition	-5637 Jul 15 j 23:46	8°♐49'49	-0°33'59
min. Earth dist.	-5637 Jul 14 j 23:59	8°♐52'13	19.16659 AU
direct	-5637 Sep 28 j 23:08	6°♐53'59	
evening set	-5637 Dec 27 j 00:32	9°♐49'56	
conjunction	-5636 Jan 12 j 03:00	10°♐44'10	-0°32'11
minimum elong	-5636 Jan 12 j 03:00	10°♐44'10	0°32'29
max. Earth dist.	-5636 Jan 13 j 04:43	10°♐47'48	21.16057 AU
morning rise	-5636 Jan 28 j 09:43	11°♐39'01	
retrograde	-5636 May 02 j 05:05	14°♐45'06	
min. Earth dist.	-5636 Jul 18 j 06:40	12°♐47'48	19.15432 AU
opposition	-5636 Jul 19 j 04:49	12°♐45'33	-0°37'10
direct	-5636 Oct 02 j 02:25	10°♐49'36	
evening set	-5636 Dec 30 j 05:35	13°♐45'40	

conjunction	-5635 Jan 15 j 09:03	14°♐40'02	-0°35'00
minimum elong	-5635 Jan 15 j 09:03	14°♐40'02	0°35'20
max. Earth dist.	-5635 Jan 16 j 08:52	14°♐43'24	21.14630 AU
morning rise	-5635 Jan 31 j 16:53	15°♐35'00	
retrograde	-5635 May 06 j 13:31	18°♐41'10	
opposition	-5635 Jul 23 j 09:46	16°♐41'32	-0°40'12
min. Earth dist.	-5635 Jul 22 j 12:27	16°♐43'42	19.13795 AU
direct	-5635 Oct 06 j 06:36	14°♐45'25	
evening set	-5634 Jan 03 j 11:05	17°♐41'44	
conjunction	-5634 Jan 19 j 15:36	18°♐36'15	-0°37'39
minimum elong	-5634 Jan 19 j 15:36	18°♐36'15	0°37'58
max. Earth dist.	-5634 Jan 20 j 14:44	18°♐39'31	21.12776 AU
morning rise	-5634 Feb 05 j 00:17	19°♐31'21	
retrograde	-5634 May 10 j 20:02	22°♐37'39	
opposition	-5634 Jul 27 j 14:36	20°♐37'58	-0°43'03
min. Earth dist.	-5634 Jul 26 j 19:00	20°♐39'57	19.11737 AU
direct	-5634 Oct 10 j 09:51	18°♐41'43	
evening set	-5633 Jan 07 j 16:59	21°♐38'21	
conjunction	-5633 Jan 23 j 22:29	22°♐33'01	-0°40'09
minimum elong	-5633 Jan 23 j 22:29	22°♐33'01	0°40'29
max. Earth dist.	-5633 Jan 24 j 19:27	22°♐35'59	21.10532 AU
morning rise	-5633 Feb 09 j 08:13	23°♐28'17	
retrograde	-5633 May 15 j 04:37	26°♐34'47	
opposition	-5633 Jul 31 j 19:31	24°♐35'03	-0°45'42
min. Earth dist.	-5633 Jul 31 j 00:58	24°♐36'56	19.09291 AU
direct	-5633 Oct 14 j 13:48	22°♐38'38	
evening set	-5632 Jan 11 j 23:19	25°♐35'42	
conjunction	-5632 Jan 28 j 05:55	26°♐30'33	-0°42'27
minimum elong	-5632 Jan 28 j 05:55	26°♐30'33	0°42'47
max. Earth dist.	-5632 Jan 29 j 02:01	26°♐33'24	21.07876 AU
morning rise	-5632 Feb 13 j 16:32	27°♐25'59	
	-5632 Apr 11 j 11:06	0°♑	
retrograde	-5632 May 18 j 12:32	0°♑32'44	
	-5632 Jun 25 j 01:42	30°℞♐	
min. Earth dist.	-5632 Aug 03 j 07:56	28°♐34'40	19.06418 AU
opposition	-5632 Aug 04 j 00:35	28°♐32'58	-0°48'09
direct	-5632 Oct 17 j 17:32	26°♐36'24	
evening set	-5631 Jan 15 j 06:29	29°♐33'59	
	-5631 Jan 23 j 00:55	0°♑	
conjunction	-5631 Jan 31 j 14:03	0°♑29'02	-0°44'34
minimum elong	-5631 Jan 31 j 14:03	0°♑29'02	0°44'54
max. Earth dist.	-5631 Feb 01 j 07:33	0°♑31'31	21.04801 AU
morning rise	-5631 Feb 17 j 01:42	1°♑24'38	
retrograde	-5631 May 22 j 21:32	4°♑31'41	
opposition	-5631 Aug 08 j 05:37	2°♑31'54	-0°50'23
min. Earth dist.	-5631 Aug 07 j 14:30	2°♑33'26	19.03118 AU
direct	-5631 Oct 21 j 21:48	0°♑35'08	
evening set	-5630 Jan 19 j 14:18	3°♑33'21	
conjunction	-5630 Feb 04 j 22:57	4°♑28'36	-0°46'28
minimum elong	-5630 Feb 04 j 22:56	4°♑28'36	0°46'49
max. Earth dist.	-5630 Feb 05 j 15:10	4°♑30'54	21.01262 AU
morning rise	-5630 Feb 21 j 11:21	5°♑24'24	
retrograde	-5630 May 27 j 06:17	8°♑31'47	
opposition	-5630 Aug 12 j 11:00	6°♑31'58	-0°52'23
min. Earth dist.	-5630 Aug 11 j 22:04	6°♑33'17	18.99336 AU
direct	-5630 Oct 26 j 02:12	4°♑35'01	
evening set	-5629 Jan 23 j 22:43	7°♑33'54	
conjunction	-5629 Feb 09 j 08:17	8°♑29'22	-0°48'10
minimum elong	-5629 Feb 09 j 08:17	8°♑29'22	0°48'30
max. Earth dist.	-5629 Feb 09 j 21:30	8°♑31'15	20.97246 AU
morning rise	-5629 Feb 25 j 21:40	9°♑25'22	

Attention, astronomical year style is used: The year -5629 in astronomical counting style is the year 5630 BCE in historical counting style.

retrograde	-5629 May 31 j 16:16	12°♉33'09	
opposition	-5629 Aug 16 j 16:40	10°♉33'16	-0°54'07
min. Earth dist.	-5629 Aug 16 j 05:34	10°♉34'24	18.95066 AU
direct	-5629 Oct 30 j 07:23	8°♉36'03	
evening set	-5628 Jan 28 j 08:00	11°♉35'41	
conjunction	-5628 Feb 13 j 18:40	12°♉31'24	-0°49'37
minimum elong	-5628 Feb 13 j 18:40	12°♉31'24	0°49'58
max. Earth dist.	-5628 Feb 14 j 06:17	12°♉33'03	20.92710 AU
morning rise	-5628 Mar 01 j 08:44	13°♉27'37	
retrograde	-5628 Jun 04 j 01:37	16°♉35'47	
opposition	-5628 Aug 19 j 22:33	14°♉35'49	-0°55'37
min. Earth dist.	-5628 Aug 19 j 13:49	14°♉36'43	18.90266 AU
direct	-5628 Nov 02 j 12:44	12°♉38'19	
evening set	-5627 Jan 31 j 18:08	15°♉38'44	
conjunction	-5627 Feb 17 j 05:42	16°♉34'42	-0°50'50
minimum elong	-5627 Feb 17 j 05:42	16°♉34'42	0°51'09
max. Earth dist.	-5627 Feb 17 j 13:52	16°♉35'52	20.87667 AU
morning rise	-5627 Mar 05 j 20:43	17°♉31'09	
retrograde	-5627 Jun 08 j 12:31	20°♉39'43	
opposition	-5627 Aug 24 j 04:48	18°♉39'37	-0°56'49
min. Earth dist.	-5627 Aug 23 j 22:10	18°♉40'18	18.84970 AU
direct	-5627 Nov 06 j 18:56	16°♉41'46	
evening set	-5626 Feb 05 j 04:50	19°♉43'03	
conjunction	-5626 Feb 21 j 17:26	20°♉39'17	-0°51'47
minimum elong	-5626 Feb 21 j 17:26	20°♉39'17	0°52'07
max. Earth dist.	-5626 Feb 21 j 24:00	20°♉40'13	20.82125 AU
morning rise	-5626 Mar 10 j 09:02	21°♉35'57	
retrograde	-5626 Jun 12 j 22:38	24°♉44'56	
opposition	-5626 Aug 28 j 11:18	22°♉44'41	-0°57'45
min. Earth dist.	-5626 Aug 28 j 06:54	22°♉45'09	18.79201 AU
direct	-5626 Nov 11 j 01:26	20°♉46'28	
evening set	-5625 Feb 09 j 16:21	23°♉48'38	
conjunction	-5625 Feb 26 j 05:46	24°♉45'08	-0°52'29
minimum elong	-5625 Feb 26 j 05:46	24°♉45'08	0°52'48
max. Earth dist.	-5625 Feb 26 j 08:56	24°♉45'35	20.76169 AU
morning rise	-5625 Mar 14 j 22:14	25°♉42'03	
retrograde	-5625 Jun 17 j 10:02	28°♉51'29	
opposition	-5625 Sep 01 j 18:08	26°♉51'03	-0°58'23
min. Earth dist.	-5625 Sep 01 j 15:50	26°♉51'17	18.73061 AU
direct	-5625 Nov 15 j 08:17	24°♉52'23	
evening set	-5624 Feb 14 j 04:30	27°♉55'32	
conjunction	-5624 Mar 01 j 18:58	28°♉52'19	-0°52'55
minimum elong	-5624 Mar 01 j 18:59	28°♉52'19	0°53'13
max. Earth dist.	-5624 Mar 01 j 20:45	28°♉52'34	20.69857 AU
morning rise	-5624 Mar 18 j 11:57	29°♉49'29	
	-5624 Mar 21 j 15:24	0°♒	
retrograde	-5624 Jun 20 j 21:38	2°♒59'22	
opposition	-5624 Sep 05 j 01:23	0°♒58'46	-0°58'44
min. Earth dist.	-5624 Sep 05 j 01:06	0°♒58'47	18.66594 AU
	-5624 Sep 29 j 12:32	30°℞♉	
direct	-5624 Nov 18 j 16:02	28°♉59'41	
	-5623 Jan 06 j 16:00	0°♒	
evening set	-5623 Feb 17 j 17:41	2°♒03'51	
conjunction	-5623 Mar 06 j 08:52	3°♒00'55	-0°53'04
minimum elong	-5623 Mar 06 j 08:52	3°♒00'55	0°53'22
max. Earth dist.	-5623 Mar 06 j 07:12	3°♒00'41	20.63268 AU
morning rise	-5623 Mar 23 j 02:35	3°♒58'21	
retrograde	-5623 Jun 25 j 09:49	7°♒08'43	
opposition	-5623 Sep 09 j 08:58	5°♒07'55	-0°58'46
min. Earth dist.	-5623 Sep 09 j 10:46	5°♒07'44	18.59895 AU
direct	-5623 Nov 22 j 23:44	3°♒08'23	
evening set	-5622 Feb 22 j 07:31	6°♒13'39	
conjunction	-5622 Mar 10 j 23:38	7°♒11'02	-0°52'57
minimum elong	-5622 Mar 10 j 23:38	7°♒11'02	0°53'14
max. Earth dist.	-5622 Mar 10 j 20:47	7°♒10'37	20.56465 AU
morning rise	-5622 Mar 27 j 17:42	8°♒08'43	
retrograde	-5622 Jun 29 j 22:49	11°♒19'36	
opposition	-5622 Sep 13 j 17:10	9°♒18'39	-0°58'30
min. Earth dist.	-5622 Sep 13 j 20:40	9°♒18'17	18.53010 AU
direct	-5622 Nov 27 j 08:35	7°♒18'41	
evening set	-5621 Feb 26 j 22:11	10°♒25'06	
conjunction	-5621 Mar 15 j 14:54	11°♒22'46	-0°52'33
minimum elong	-5621 Mar 15 j 14:55	11°♒22'46	0°52'50
max. Earth dist.	-5621 Mar 15 j 08:45	11°♒21'52	20.49522 AU
morning rise	-5621 Apr 01 j 09:37	12°♒20'44	
	-5621 May 29 j 16:36	15°♒	
retrograde	-5621 Jul 04 j 12:14	15°♒32'12	
	-5621 Aug 09 j 14:26	15°℞♒	
opposition	-5621 Sep 18 j 01:57	13°♒31'04	-0°57'55
min. Earth dist.	-5621 Sep 18 j 07:30	13°♒30'29	18.46017 AU
direct	-5621 Dec 01 j 17:45	11°♒30'40	
evening set	-5620 Mar 02 j 13:50	14°♒38'18	
	-5620 Mar 08 j 21:29	15°♒	
conjunction	-5620 Mar 19 j 07:26	15°♒36'17	-0°51'52
minimum elong	-5620 Mar 19 j 07:26	15°♒36'17	0°52'07
max. Earth dist.	-5620 Mar 19 j 00:10	15°♒35'14	20.42479 AU
morning rise	-5620 Apr 05 j 02:22	16°♒34'31	
retrograde	-5620 Jul 08 j 02:32	19°♒46'33	
opposition	-5620 Sep 21 j 11:15	17°♒45'19	-0°57'02
min. Earth dist.	-5620 Sep 21 j 18:20	17°♒44'33	18.38933 AU
direct	-5620 Dec 05 j 03:39	15°♒44'31	
evening set	-5619 Mar 07 j 06:40	18°♒53'25	
conjunction	-5619 Mar 24 j 00:44	19°♒51'43	-0°50'54
minimum elong	-5619 Mar 24 j 00:44	19°♒51'43	0°51'09
max. Earth dist.	-5619 Mar 23 j 14:02	19°♒50'09	20.35374 AU
morning rise	-5619 Apr 09 j 20:09	20°♒50'13	
retrograde	-5619 Jul 12 j 17:28	24°♒02'53	
opposition	-5619 Sep 25 j 21:23	22°♒01'32	-0°55'49
min. Earth dist.	-5619 Sep 26 j 06:40	22°♒00'33	18.31810 AU
direct	-5619 Dec 09 j 14:40	20°♒00'20	
evening set	-5618 Mar 12 j 00:12	23°♒10'34	
conjunction	-5618 Mar 28 j 18:58	24°♒09'11	-0°49'39
minimum elong	-5618 Mar 28 j 18:58	24°♒09'11	0°49'52
max. Earth dist.	-5618 Mar 28 j 07:16	24°♒07'28	20.28224 AU
morning rise	-5618 Apr 14 j 14:26	25°♒07'58	
retrograde	-5618 Jul 17 j 09:01	28°♒21'16	
opposition	-5618 Sep 30 j 08:11	26°♒19'51	-0°54'17
min. Earth dist.	-5618 Sep 30 j 18:53	26°♒18'42	18.24634 AU
direct	-5618 Dec 14 j 02:11	24°♒18'17	
evening set	-5617 Mar 16 j 19:03	27°♒29'53	
conjunction	-5617 Apr 02 j 14:09	28°♒28'49	-0°48'06
minimum elong	-5617 Apr 02 j 14:09	28°♒28'49	0°48'18
max. Earth dist.	-5617 Apr 01 j 22:57	28°♒26'35	20.21033 AU
morning rise	-5617 Apr 19 j 09:55	29°♒27'52	
	-5617 Apr 28 j 21:29	0°♓	
retrograde	-5617 Jul 22 j 01:19	2°♓41'50	
opposition	-5617 Oct 04 j 19:46	0°♓40'21	-0°52'25
min. Earth dist.	-5617 Oct 05 j 08:58	0°♓38'56	18.17425 AU
	-5617 Oct 20 j 19:29	30°℞♒	
direct	-5617 Dec 18 j 14:57	28°♒38'23	
	-5616 Feb 13 j 22:47	0°♓	
evening set	-5616 Mar 20 j 14:49	1°♓51'24	

Attention, astronomical year style is used: The year -5616 in astronomical counting style is the year 5617 BCE in historical counting style.

conjunction	-5616 Apr 06 j 10:31	2°♓50'40	-0°46'15
minimum elong	-5616 Apr 06 j 10:31	2°♓50'40	0°46'27
max. Earth dist.	-5616 Apr 05 j 18:04	2°♓48'14	20.13788 AU
morning rise	-5616 Apr 23 j 06:14	3°♓49'59	
retrograde	-5616 Jul 25 j 18:29	7°♓04'37	
opposition	-5616 Oct 08 j 08:13	5°♓03'03	-0°50'14
min. Earth dist.	-5616 Oct 08 j 22:52	5°♓01'29	18.10143 AU
direct	-5616 Dec 22 j 04:58	3°♓00'43	
evening set	-5615 Mar 25 j 11:51	6°♓15'09	
max. Earth dist.	-5615 Apr 10 j 11:38	7°♓11'44	20.06470 AU
conjunction	-5615 Apr 11 j 07:41	7°♓14'43	-0°44'08
minimum elong	-5615 Apr 11 j 07:41	7°♓14'43	0°44'16
morning rise	-5615 Apr 28 j 03:27	8°♓14'18	
retrograde	-5615 Jul 30 j 11:43	11°♓29'36	
opposition	-5615 Oct 12 j 21:35	9°♓27'56	-0°47'44
min. Earth dist.	-5615 Oct 13 j 14:53	9°♓26'05	18.02804 AU
direct	-5615 Dec 26 j 19:34	7°♓25'12	
evening set	-5614 Mar 30 j 09:37	10°♓41'03	
max. Earth dist.	-5614 Apr 15 j 08:29	11°♓37'44	19.99105 AU
conjunction	-5614 Apr 16 j 05:50	11°♓40'56	-0°41'43
minimum elong	-5614 Apr 16 j 05:50	11°♓40'56	0°41'51
morning rise	-5614 May 03 j 01:23	12°♓40'45	
retrograde	-5614 Aug 04 j 06:21	15°♓56'42	
opposition	-5614 Oct 17 j 11:45	13°♓54'56	-0°44'55
min. Earth dist.	-5614 Oct 18 j 06:10	13°♓52'57	17.95424 AU
direct	-5614 Dec 31 j 12:13	11°♓51'47	
evening set	-5613 Apr 04 j 08:20	15°♓09'02	
max. Earth dist.	-5613 Apr 20 j 04:05	16°♓05'32	19.91724 AU
conjunction	-5613 Apr 21 j 04:36	16°♓09'12	-0°39'02
minimum elong	-5613 Apr 21 j 04:36	16°♓09'12	0°39'08
morning rise	-5613 May 08 j 00:03	17°♓09'17	
retrograde	-5613 Aug 09 j 00:18	20°♓25'52	
opposition	-5613 Oct 22 j 02:51	18°♓23'59	-0°41'48
min. Earth dist.	-5613 Oct 22 j 23:54	18°♓21'42	17.88063 AU
direct	-5612 Jan 05 j 04:43	16°♓20'22	
evening set	-5612 Apr 08 j 07:57	19°♓39'02	
max. Earth dist.	-5612 Apr 24 j 02:38	20°♓35'37	19.84396 AU
conjunction	-5612 Apr 25 j 04:23	20°♓39'29	-0°36'06
minimum elong	-5612 Apr 25 j 04:23	20°♓39'30	0°36'10
morning rise	-5612 May 11 j 23:29	21°♓39'48	
retrograde	-5612 Aug 12 j 20:10	24°♓56'59	
opposition	-5612 Oct 25 j 18:33	22°♓54'58	-0°38'25
min. Earth dist.	-5612 Oct 26 j 16:24	22°♓52'36	17.80782 AU
direct	-5611 Jan 09 j 00:01	20°♓50'56	
evening set	-5611 Apr 13 j 08:30	24°♓10'59	
max. Earth dist.	-5611 Apr 29 j 00:35	25°♓07'26	19.77185 AU
conjunction	-5611 Apr 30 j 04:47	25°♓11'42	-0°32'55
minimum elong	-5611 Apr 30 j 04:47	25°♓11'42	0°32'59
morning rise	-5611 May 16 j 23:29	26°♓12'14	
retrograde	-5611 Aug 17 j 14:56	29°♓30'01	
opposition	-5611 Oct 30 j 11:21	27°♓27'52	-0°34'46
min. Earth dist.	-5611 Oct 31 j 11:33	27°♓25'14	17.73678 AU
direct	-5610 Jan 13 j 18:16	25°♓23'23	
evening set	-5610 Apr 18 j 09:28	28°♓44'48	
max. Earth dist.	-5610 May 04 j 00:32	29°♓41'20	19.70197 AU
conjunction	-5610 May 05 j 05:38	29°♓45'46	-0°29'31
minimum elong	-5610 May 05 j 05:38	29°♓45'46	0°29'32
	-5610 May 09 j 03:10	0°♈	
morning rise	-5610 May 21 j 23:52	0°♈46'30	
retrograde	-5610 Aug 22 j 12:16	4°♈04'52	
opposition	-5610 Nov 04 j 04:48	2°♈02'35	-0°30'52
min. Earth dist.	-5610 Nov 05 j 05:14	1°♈59'56	17.66824 AU
	-5609 Jan 09 j 07:26	30°♑♓	
direct	-5609 Jan 18 j 15:52	29°♓57'42	
	-5609 Jan 27 j 21:38	0°♈	
evening set	-5609 Apr 23 j 11:21	3°♈20'26	
max. Earth dist.	-5609 May 09 j 00:37	4°♈16'58	19.63493 AU
conjunction	-5609 May 10 j 07:14	4°♈21'38	-0°25'54
minimum elong	-5609 May 10 j 07:15	4°♈21'38	0°25'55
morning rise	-5609 May 27 j 00:50	5°♈22'34	
retrograde	-5609 Aug 27 j 08:12	8°♈41'29	
opposition	-5609 Nov 08 j 23:08	6°♈39'06	-0°26'46
min. Earth dist.	-5609 Nov 10 j 01:35	6°♈36'13	17.60309 AU
direct	-5608 Jan 23 j 11:36	4°♈33'48	
evening set	-5608 Apr 27 j 13:55	7°♈57'51	
max. Earth dist.	-5608 May 13 j 01:52	8°♈54'25	19.57175 AU
conjunction	-5608 May 14 j 09:25	8°♈59'16	-0°22'06
minimum elong	-5608 May 14 j 09:25	8°♈59'16	0°22'05
morning rise	-5608 May 31 j 02:24	10°♈00'21	
retrograde	-5608 Aug 31 j 07:04	13°♈19'50	
opposition	-5608 Nov 12 j 18:20	11°♈17'21	-0°22'27
min. Earth dist.	-5608 Nov 13 j 20:33	11°♈14'29	17.54202 AU
direct	-5607 Jan 27 j 10:32	9°♈11'43	
evening set	-5607 May 02 j 17:01	12°♈36'59	
max. Earth dist.	-5607 May 18 j 04:01	13°♈33'40	19.51285 AU
conjunction	-5607 May 19 j 12:03	13°♈38'36	-0°18'09
minimum elong	-5607 May 19 j 12:03	13°♈38'36	0°18'06
morning rise	-5607 Jun 05 j 04:07	14°♈39'51	
retrograde	-5607 Sep 05 j 04:56	17°♈59'51	
opposition	-5607 Nov 17 j 14:35	15°♈57'20	-0°17'58
min. Earth dist.	-5607 Nov 18 j 18:17	15°♈54'18	17.48568 AU
direct	-5606 Feb 01 j 07:57	13°♈51'24	
evening set	-5606 May 07 j 20:44	17°♈17'52	
max. Earth dist.	-5606 May 23 j 06:11	18°♈14'33	19.45914 AU
conjunction	-5606 May 24 j 15:05	18°♈19'39	-0°14'03
minimum elong	-5606 May 24 j 15:05	18°♈19'39	0°14'00
behind sun begin	-5606 May 24 j 11:51	18°♈19'09	
behind sun end	-5606 May 24 j 18:20	18°♈20'08	
morning rise	-5606 Jun 10 j 06:25	19°♈21'02	
retrograde	-5606 Sep 10 j 04:52	22°♈41'32	
opposition	-5606 Nov 22 j 11:26	20°♈39'00	-0°13'20
min. Earth dist.	-5606 Nov 23 j 14:37	20°♈36'02	17.43462 AU
direct	-5605 Feb 06 j 07:42	18°♈32'50	
evening set	-5605 May 13 j 00:53	22°♈00'26	
max. Earth dist.	-5605 May 28 j 10:09	22°♈57'19	19.41067 AU
conjunction	-5605 May 29 j 18:41	23°♈02'22	-0°09'51
minimum elong	-5605 May 29 j 18:42	23°♈02'22	0°09'44
behind sun begin	-5605 May 29 j 13:11	23°♈01'32	
behind sun end	-5605 May 30 j 00:13	23°♈03'12	
morning rise	-5605 Jun 15 j 08:57	24°♈03'51	
retrograde	-5605 Sep 15 j 04:17	27°♈24'50	
opposition	-5605 Nov 27 j 09:26	25°♈22'20	-0°08'34
min. Earth dist.	-5605 Nov 28 j 13:47	25°♈19'14	17.38884 AU
direct	-5604 Feb 11 j 06:46	23°♈16'00	
evening set	-5604 May 17 j 05:45	26°♈44'39	
conjunction	-5604 Jun 02 j 22:35	27°♈46'42	-0°05'33
minimum elong	-5604 Jun 02 j 22:36	27°♈46'42	0°05'26
behind sun begin	-5604 Jun 02 j 16:05	27°♈45'42	
behind sun end	-5604 Jun 03 j 05:07	27°♈47'41	
max. Earth dist.	-5604 Jun 01 j 13:03	27°♈41'28	19.36760 AU
morning rise	-5604 Jun 19 j 11:58	28°♈48'15	
	-5604 Jul 10 j 01:55	0°♉	

Attention, astronomical year style is used: The year -5604 in astronomical counting style is the year 5605 BCE in historical counting style.

retrograde	-5604 Sep 19 j 04:48	2°♉09'42	
opposition	-5604 Dec 01 j 08:04	0°♉07'15	-0°03'43
min. Earth dist.	-5604 Dec 02 j 11:55	0°♉04'12	17.34840 AU
	-5604 Dec 04 j 02:10	30°℞♈	
direct	-5603 Feb 15 j 08:11	28°♈00'46	
	-5603 Apr 26 j 02:01	0°♉	
evening set	-5603 May 22 j 10:53	1°♉30'24	
max. Earth dist.	-5603 Jun 06 j 18:25	2°♉27'26	19.32967 AU
conjunction	-5603 Jun 08 j 03:00	2°♉32'32	-0°01'09
minimum elong	-5603 Jun 08 j 02:59	2°♉32'32	0°00'59
behind sun begin	-5603 Jun 07 j 20:14	2°♉31'30	
behind sun end	-5603 Jun 08 j 09:44	2°♉33'33	
morning rise	-5603 Jun 24 j 15:04	3°♉34'08	
asc. node	-5603 Sep 09 j 21:17	6°♉50'10	
retrograde	-5603 Sep 24 j 05:09	6°♉55'59	
opposition	-5603 Dec 06 j 07:51	4°♉53'35	0°01'11
min. Earth dist.	-5603 Dec 07 j 12:25	4°♉50'27	17.31303 AU
direct	-5602 Feb 20 j 09:44	2°♉47'00	
evening set	-5602 May 27 j 16:21	6°♉17'28	
max. Earth dist.	-5602 Jun 11 j 21:44	7°♉14'23	19.29682 AU
conjunction	-5602 Jun 13 j 07:18	7°♉19'39	0°03'22
minimum elong	-5602 Jun 13 j 07:17	7°♉19'39	0°03'34
behind sun begin	-5602 Jun 13 j 00:36	7°♉18'38	
behind sun end	-5602 Jun 13 j 13:58	7°♉20'41	
morning rise	-5602 Jun 29 j 18:24	8°♉21'17	
retrograde	-5602 Sep 29 j 05:32	11°♉43'30	
opposition	-5602 Dec 11 j 08:14	9°♉41'08	0°06'07
min. Earth dist.	-5602 Dec 12 j 12:19	9°♉38'04	17.28269 AU
direct	-5601 Feb 25 j 13:06	7°♉34'27	
evening set	-5601 Jun 01 j 22:02	11°♉05'40	
max. Earth dist.	-5601 Jun 17 j 03:52	12°♉02'48	19.26882 AU
conjunction	-5601 Jun 18 j 12:04	12°♉07'52	0°07'45
minimum elong	-5601 Jun 18 j 12:04	12°♉07'52	0°07'57
behind sun begin	-5601 Jun 18 j 06:03	12°♉06'57	
behind sun end	-5601 Jun 18 j 18:05	12°♉08'48	
morning rise	-5601 Jul 04 j 21:47	13°♉09'29	
	-5601 Aug 06 j 16:55	15°♉	
retrograde	-5601 Oct 04 j 06:20	16°♉31'59	
	-5601 Dec 04 j 16:58	15°℞♉	
opposition	-5601 Dec 16 j 09:21	14°♉29'40	0°11'01
min. Earth dist.	-5601 Dec 17 j 13:40	14°♉26'34	17.25708 AU
direct	-5600 Mar 01 j 17:10	12°♉22'55	
	-5600 May 21 j 20:42	15°♉	
evening set	-5600 Jun 06 j 04:02	15°♉54'44	
max. Earth dist.	-5600 Jun 21 j 07:47	16°♉51'42	19.24571 AU
conjunction	-5600 Jun 22 j 16:44	16°♉56'55	0°12'06
minimum elong	-5600 Jun 22 j 16:44	16°♉56'55	0°12'20
behind sun begin	-5600 Jun 22 j 12:20	16°♉56'14	
behind sun end	-5600 Jun 22 j 21:08	16°♉57'35	
morning rise	-5600 Jul 09 j 01:19	17°♉58'30	
retrograde	-5600 Oct 08 j 06:57	21°♉21'13	
opposition	-5600 Dec 20 j 11:12	19°♉18'56	0°15'51
min. Earth dist.	-5600 Dec 21 j 15:02	19°♉15'53	17.23654 AU
direct	-5599 Mar 06 j 22:02	17°♉12'05	
evening set	-5599 Jun 11 j 09:38	20°♉44'23	
conjunction	-5599 Jun 27 j 21:15	21°♉46'31	0°16'23
minimum elong	-5599 Jun 27 j 21:15	21°♉46'31	0°16'37
max. Earth dist.	-5599 Jun 26 j 14:07	21°♉41'35	19.22769 AU
morning rise	-5599 Jul 14 j 04:25	22°♉48'03	
retrograde	-5599 Oct 13 j 08:19	26°♉10'55	
opposition	-5599 Dec 25 j 13:37	24°♉08'40	0°20'34
min. Earth dist.	-5599 Dec 26 j 16:47	24°♉05'42	17.22108 AU
direct	-5598 Mar 12 j 03:38	22°♉01'47	
evening set	-5598 Jun 16 j 15:18	25°♉34'23	
max. Earth dist.	-5598 Jul 01 j 18:23	26°♉31'30	19.21500 AU
conjunction	-5598 Jul 03 j 01:32	26°♉36'27	0°20'33
minimum elong	-5598 Jul 03 j 01:32	26°♉36'27	0°20'48
morning rise	-5598 Jul 19 j 07:28	27°♉37'53	
	-5598 Sep 01 j 12:05	0°♊	
retrograde	-5598 Oct 18 j 09:01	1°♊00'51	
	-5598 Dec 06 j 01:47	30°℞♉	
opposition	-5598 Dec 30 j 16:18	28°♉58'36	0°25'10
min. Earth dist.	-5598 Dec 31 j 18:59	28°♉55'42	17.21129 AU
direct	-5597 Mar 17 j 08:32	26°♉51'41	
	-5597 Jun 15 j 04:32	0°♊	
evening set	-5597 Jun 21 j 20:31	0°♊24'28	
max. Earth dist.	-5597 Jul 07 j 00:25	1°♊21'48	19.20811 AU
conjunction	-5597 Jul 08 j 05:35	1°♊26'26	0°24'34
minimum elong	-5597 Jul 08 j 05:34	1°♊26'26	0°24'52
morning rise	-5597 Jul 24 j 10:09	2°♊27'47	
retrograde	-5597 Oct 23 j 10:53	5°♊50'45	
opposition	-5596 Jan 04 j 19:28	3°♊48'32	0°29'34
min. Earth dist.	-5596 Jan 05 j 20:38	3°♊45'48	17.20726 AU
direct	-5596 Mar 21 j 14:50	1°♊41'36	
evening set	-5596 Jun 26 j 01:24	5°♊14'26	
max. Earth dist.	-5596 Jul 11 j 04:52	6°♊11'47	19.20718 AU
conjunction	-5596 Jul 12 j 09:02	6°♊16'16	0°28'25
minimum elong	-5596 Jul 12 j 09:02	6°♊16'16	0°28'43
morning rise	-5596 Jul 28 j 12:17	7°♊17'28	
retrograde	-5596 Oct 27 j 11:24	10°♊40'26	
opposition	-5595 Jan 08 j 23:02	8°♊38'13	0°33'45
min. Earth dist.	-5595 Jan 09 j 23:28	8°♊35'34	17.20963 AU
direct	-5595 Mar 26 j 19:30	6°♊31'20	
evening set	-5595 Jul 01 j 05:43	10°♊04'05	
max. Earth dist.	-5595 Jul 16 j 10:04	11°♊01'37	19.21290 AU
conjunction	-5595 Jul 17 j 12:01	11°♊05'44	0°32'03
minimum elong	-5595 Jul 17 j 12:00	11°♊05'44	0°32'23
morning rise	-5595 Aug 02 j 13:58	12°♊06'47	
retrograde	-5595 Nov 01 j 13:34	15°♊29'39	
opposition	-5594 Jan 14 j 02:42	13°♊27'29	0°37'42
min. Earth dist.	-5594 Jan 15 j 00:41	13°♊25'07	17.21867 AU
direct	-5594 Apr 01 j 02:00	11°♊20'41	
evening set	-5594 Jul 06 j 09:24	14°♊53'13	
conjunction	-5594 Jul 22 j 14:20	15°♊54'41	0°35'28
minimum elong	-5594 Jul 22 j 14:20	15°♊54'41	0°35'47
max. Earth dist.	-5594 Jul 21 j 14:26	15°♊50'53	19.22541 AU
morning rise	-5594 Aug 07 j 14:58	16°♊55'33	
retrograde	-5594 Nov 06 j 13:33	20°♊18'18	
opposition	-5593 Jan 19 j 06:37	18°♊16'12	0°41'22
min. Earth dist.	-5593 Jan 20 j 03:39	18°♊13'56	17.23474 AU
direct	-5593 Apr 06 j 05:53	16°♊09'33	
evening set	-5593 Jul 11 j 12:35	19°♊41'45	
conjunction	-5593 Jul 27 j 16:06	20°♊43'01	0°38'37
minimum elong	-5593 Jul 27 j 16:06	20°♊43'01	0°38'57
max. Earth dist.	-5593 Jul 26 j 18:14	20°♊39'32	19.24504 AU
morning rise	-5593 Aug 12 j 15:32	21°♊43'41	
retrograde	-5593 Nov 11 j 15:45	25°♊06'15	
opposition	-5592 Jan 24 j 10:26	23°♊04'15	0°44'44
min. Earth dist.	-5592 Jan 25 j 04:26	23°♊02'19	17.25775 AU
direct	-5592 Apr 10 j 12:21	20°♊57'50	
evening set	-5592 Jul 15 j 15:05	24°♊29'35	
conjunction	-5592 Jul 31 j 17:19	25°♊30'37	0°41'31

Attention, astronomical year style is used: The year -5592 in astronomical counting style is the year 5593 BCE in historical counting style.

minimum elong	-5592 Jul 31 j 17:19	25°♊30'37	0°41'51
max. Earth dist.	-5592 Jul 30 j 22:15	25°♊27'35	19.27153 AU
morning rise	-5592 Aug 16 j 15:25	26°♊31'04	
retrograde	-5592 Nov 15 j 15:06	29°♊53'26	
opposition	-5591 Jan 28 j 14:33	27°♊51'35	0°47'48
min. Earth dist.	-5591 Jan 29 j 07:26	27°♊49'46	17.28760 AU
direct	-5591 Apr 15 j 16:08	25°♊45'27	
evening set	-5591 Jul 20 j 16:46	29°♊16'38	
	-5591 Aug 01 j 04:18	0°♋	
conjunction	-5591 Aug 05 j 17:35	0°♋17'25	0°44'06
minimum elong	-5591 Aug 05 j 17:35	0°♋17'25	0°44'25
max. Earth dist.	-5591 Aug 05 j 00:21	0°♋14'40	19.30469 AU
morning rise	-5591 Aug 21 j 14:40	1°♋17'37	
retrograde	-5591 Nov 20 j 16:36	4°♋39'46	
opposition	-5590 Feb 02 j 18:24	2°♋38'03	0°50'31
min. Earth dist.	-5590 Feb 03 j 08:06	2°♋36'36	17.32370 AU
direct	-5590 Apr 20 j 22:32	0°♋32'15	
evening set	-5590 Jul 25 j 17:45	4°♋02'46	
conjunction	-5590 Aug 10 j 17:25	5°♋03'17	0°46'23
minimum elong	-5590 Aug 10 j 17:25	5°♋03'17	0°46'44
max. Earth dist.	-5590 Aug 10 j 03:24	5°♋01'03	19.34364 AU
morning rise	-5590 Aug 26 j 13:15	6°♋03'15	
retrograde	-5590 Nov 25 j 14:58	9°♋25'05	
opposition	-5589 Feb 07 j 22:10	7°♋23'34	0°52'52
min. Earth dist.	-5589 Feb 08 j 10:47	7°♋22'13	17.36530 AU
direct	-5589 Apr 26 j 02:19	5°♋18'07	
evening set	-5589 Jul 30 j 18:05	8°♋47'50	
conjunction	-5589 Aug 15 j 16:21	9°♋48'04	0°48'21
minimum elong	-5589 Aug 15 j 16:21	9°♋48'04	0°48'40
max. Earth dist.	-5589 Aug 15 j 03:44	9°♋46'04	19.38778 AU
morning rise	-5589 Aug 31 j 11:18	10°♋47'47	
retrograde	-5589 Nov 30 j 15:26	14°♋09'17	
opposition	-5588 Feb 13 j 01:47	12°♋07'55	0°54'51
min. Earth dist.	-5588 Feb 13 j 11:21	12°♋06'54	17.41170 AU
direct	-5588 Apr 30 j 08:06	10°♋02'50	
evening set	-5588 Aug 03 j 17:20	13°♋31'40	
conjunction	-5588 Aug 19 j 14:33	14°♋31'36	0°49'58
minimum elong	-5588 Aug 19 j 14:33	14°♋31'36	0°50'18
max. Earth dist.	-5588 Aug 19 j 05:24	14°♋30'09	19.43627 AU
morning rise	-5588 Sep 04 j 08:21	15°♋31'02	
retrograde	-5588 Dec 04 j 12:53	18°♋52'09	
opposition	-5587 Feb 17 j 05:22	16°♋50'57	0°56'28
min. Earth dist.	-5587 Feb 17 j 13:34	16°♋50'05	17.46211 AU
direct	-5587 May 05 j 11:37	14°♋46'15	
evening set	-5587 Aug 08 j 15:57	18°♋14'04	
conjunction	-5587 Aug 24 j 11:52	19°♋13'41	0°51'14
minimum elong	-5587 Aug 24 j 11:52	19°♋13'41	0°51'34
max. Earth dist.	-5587 Aug 24 j 03:57	19°♋12'26	19.48854 AU
morning rise	-5587 Sep 09 j 04:58	20°♋12'52	
retrograde	-5587 Dec 09 j 12:06	23°♋33'32	
opposition	-5586 Feb 22 j 08:17	21°♋32'27	0°57'40
min. Earth dist.	-5586 Feb 22 j 13:40	21°♋31'53	17.51607 AU
direct	-5586 May 10 j 14:57	19°♋28'07	
evening set	-5586 Aug 13 j 13:24	22°♋54'50	
conjunction	-5586 Aug 29 j 08:28	23°♋54'09	0°52'10
minimum elong	-5586 Aug 29 j 08:28	23°♋54'09	0°52'28
max. Earth dist.	-5586 Aug 29 j 03:54	23°♋53'26	19.54397 AU
morning rise	-5586 Sep 14 j 00:36	24°♋53'03	
retrograde	-5586 Dec 14 j 09:13	28°♋13'13	
opposition	-5585 Feb 27 j 10:56	26°♋12'16	0°58'30
min. Earth dist.	-5585 Feb 27 j 14:39	26°♋11'52	17.57279 AU
direct	-5585 May 15 j 17:27	24°♋08'17	
evening set	-5585 Aug 18 j 10:03	27°♋33'50	
conjunction	-5585 Sep 03 j 03:57	28°♋32'48	0°52'44
minimum elong	-5585 Sep 03 j 03:57	28°♋32'48	0°53'03
max. Earth dist.	-5585 Sep 03 j 00:37	28°♋32'17	19.60205 AU
morning rise	-5585 Sep 18 j 19:32	29°♋31'26	
	-5585 Sep 26 j 16:30	0°♌	
retrograde	-5585 Dec 19 j 06:48	2°♌51'04	
opposition	-5584 Mar 03 j 12:58	0°♌50'11	0°58'55
min. Earth dist.	-5584 Mar 03 j 14:07	0°♌50'04	17.63216 AU
	-5584 Mar 24 j 02:57	30°℞♋	
direct	-5584 May 19 j 18:26	28°♋46'34	
	-5584 Jul 12 j 16:28	0°♌	
evening set	-5584 Aug 22 j 05:30	2°♌10'50	
conjunction	-5584 Sep 06 j 22:41	3°♌09'30	0°52'58
minimum elong	-5584 Sep 06 j 22:41	3°♌09'30	0°53'16
max. Earth dist.	-5584 Sep 06 j 22:46	3°♌09'31	19.66264 AU
morning rise	-5584 Sep 22 j 13:31	4°♌07'50	
retrograde	-5584 Dec 23 j 03:27	7°♌26'53	
opposition	-5583 Mar 08 j 14:28	5°♌26'05	0°58'58
min. Earth dist.	-5583 Mar 08 j 13:25	5°♌26'11	17.69385 AU
direct	-5583 May 24 j 20:17	3°♌22'49	
evening set	-5583 Aug 26 j 23:54	6°♌45'45	
conjunction	-5583 Sep 11 j 16:09	7°♌44'05	0°52'51
minimum elong	-5583 Sep 11 j 16:09	7°♌44'05	0°53'09
max. Earth dist.	-5583 Sep 11 j 17:45	7°♌44'20	19.72558 AU
morning rise	-5583 Sep 27 j 06:38	8°♌42'09	
retrograde	-5583 Dec 27 j 23:13	12°♌00'35	
opposition	-5582 Mar 13 j 15:11	9°♌59'49	0°58'38
min. Earth dist.	-5582 Mar 13 j 11:49	10°♌00'10	17.75803 AU
direct	-5582 May 29 j 19:19	7°♌56'52	
evening set	-5582 Aug 31 j 17:10	11°♌18'26	
conjunction	-5582 Sep 16 j 08:50	12°♌16'27	0°52'25
minimum elong	-5582 Sep 16 j 08:50	12°♌16'27	0°52'40
max. Earth dist.	-5582 Sep 16 j 13:51	12°♌17'14	19.79095 AU
morning rise	-5582 Oct 01 j 22:46	13°♌14'13	
	-5582 Nov 02 j 18:37	15°♌	
retrograde	-5581 Jan 01 j 18:31	16°♌32'01	
	-5581 Mar 06 j 23:19	15°℞♌	
opposition	-5581 Mar 18 j 14:59	14°♌31'18	0°57'56
min. Earth dist.	-5581 Mar 18 j 08:59	14°♌31'55	17.82453 AU
direct	-5581 Jun 03 j 20:03	12°♌28'43	
	-5581 Aug 22 j 12:17	15°♌	
evening set	-5581 Sep 05 j 09:31	15°♌48'53	
conjunction	-5581 Sep 21 j 00:24	16°♌46'34	0°51'39
minimum elong	-5581 Sep 21 j 00:24	16°♌46'34	0°51'53
max. Earth dist.	-5581 Sep 21 j 07:14	16°♌47'37	19.85873 AU
morning rise	-5581 Oct 06 j 14:06	17°♌44'04	
retrograde	-5580 Jan 06 j 12:22	21°♌01'14	
opposition	-5580 Mar 22 j 14:15	19°♌00'33	0°56'54
min. Earth dist.	-5580 Mar 22 j 06:04	19°♌01'24	17.89368 AU
direct	-5580 Jun 07 j 17:15	16°♌58'22	
evening set	-5580 Sep 09 j 00:36	20°♌17'06	
conjunction	-5580 Sep 24 j 15:03	21°♌14'28	0°50'35
minimum elong	-5580 Sep 24 j 15:03	21°♌14'28	0°50'49
max. Earth dist.	-5580 Sep 25 j 01:12	21°♌16'02	19.92911 AU
morning rise	-5580 Oct 10 j 04:25	22°♌11'42	
retrograde	-5579 Jan 10 j 06:21	25°♌28'13	
opposition	-5579 Mar 27 j 12:37	23°♌27'38	0°55'31
min. Earth dist.	-5579 Mar 27 j 01:21	23°♌28'48	17.96515 AU
direct	-5579 Jun 12 j 16:12	21°♌25'52	

Attention, astronomical year style is used: The year -5579 in astronomical counting style is the year 5580 BCE in historical counting style.

evening set	-5579 Sep 13 j 14:56	24°♌43'11	
conjunction	-5579 Sep 29 j 04:49	25°♌40'16	0°49'14
minimum elong	-5579 Sep 29 j 04:49	25°♌40'16	0°49'26
max. Earth dist.	-5579 Sep 29 j 16:52	25°♌42'07	20.00166 AU
morning rise	-5579 Oct 14 j 18:09	26°♌37'14	
retrograde	-5578 Jan 14 j 22:49	29°♌53'07	
opposition	-5578 Apr 01 j 10:05	27°♌52'38	0°53'50
min. Earth dist.	-5578 Mar 31 j 21:05	27°♌53'58	18.03877 AU
direct	-5578 Jun 17 j 10:57	25°♌51'19	
evening set	-5578 Sep 18 j 04:11	29°♌07'15	
	-5578 Oct 02 j 15:36	0°♍	
conjunction	-5578 Oct 03 j 17:50	0°♍04'01	0°47'35
minimum elong	-5578 Oct 03 j 17:50	0°♍04'01	0°47'48
max. Earth dist.	-5578 Oct 04 j 08:41	0°♍06'17	20.07609 AU
morning rise	-5578 Oct 19 j 07:02	1°♍00'44	
retrograde	-5577 Jan 19 j 15:27	4°♍16'00	
opposition	-5577 Apr 06 j 06:45	2°♍15'40	0°51'50
min. Earth dist.	-5577 Apr 05 j 14:42	2°♍17'18	18.11370 AU
direct	-5577 Jun 22 j 07:43	0°♍14'48	
evening set	-5577 Sep 22 j 16:34	3°♍29'21	
conjunction	-5577 Oct 08 j 05:50	4°♍25'50	0°45'41
minimum elong	-5577 Oct 08 j 05:50	4°♍25'50	0°45'52
max. Earth dist.	-5577 Oct 08 j 22:34	4°♍28'23	20.15144 AU
morning rise	-5577 Oct 23 j 19:08	5°♍22'19	
retrograde	-5576 Jan 24 j 06:44	8°♍36'59	
min. Earth dist.	-5576 Apr 09 j 09:31	6°♍38'33	18.18940 AU
opposition	-5576 Apr 10 j 02:50	6°♍36'47	0°49'33
direct	-5576 Jun 26 j 00:42	4°♍36'25	
evening set	-5576 Sep 26 j 04:07	7°♍49'35	
conjunction	-5576 Oct 11 j 17:16	8°♍45'48	0°43'32
minimum elong	-5576 Oct 11 j 17:17	8°♍45'48	0°43'41
max. Earth dist.	-5576 Oct 12 j 12:20	8°♍48'41	20.22722 AU
morning rise	-5576 Oct 27 j 06:39	9°♍42'03	
retrograde	-5575 Jan 27 j 22:13	12°♍56'06	
opposition	-5575 Apr 14 j 21:52	10°♍56'04	0°47'01
min. Earth dist.	-5575 Apr 14 j 01:44	10°♍58'07	18.26499 AU
direct	-5575 Jun 30 j 19:13	8°♍56'09	
evening set	-5575 Sep 30 j 14:55	12°♍07'59	
conjunction	-5575 Oct 16 j 03:56	13°♍03'56	0°41'09
minimum elong	-5575 Oct 16 j 03:56	13°♍03'56	0°41'17
max. Earth dist.	-5575 Oct 17 j 00:38	13°♍07'04	20.30238 AU
morning rise	-5575 Oct 31 j 17:34	13°♍59'59	
retrograde	-5574 Feb 01 j 11:59	17°♍13'26	
opposition	-5574 Apr 19 j 16:14	15°♍13'32	0°44'13
min. Earth dist.	-5574 Apr 18 j 19:28	15°♍15'39	18.33968 AU
direct	-5574 Jul 05 j 10:25	13°♍14'05	
evening set	-5574 Oct 05 j 00:57	16°♍24'36	
conjunction	-5574 Oct 20 j 13:58	17°♍20'18	0°38'33
minimum elong	-5574 Oct 20 j 13:58	17°♍20'18	0°38'38
max. Earth dist.	-5574 Oct 21 j 12:20	17°♍23'39	20.37629 AU
morning rise	-5574 Nov 05 j 03:48	18°♍16'07	
retrograde	-5573 Feb 06 j 02:04	21°♍28'59	
min. Earth dist.	-5573 Apr 23 j 10:19	19°♍31'34	18.41260 AU
opposition	-5573 Apr 24 j 09:34	19°♍29'13	0°41'12
direct	-5573 Jul 10 j 02:59	17°♍30'10	
evening set	-5573 Oct 09 j 10:22	20°♍39'24	
conjunction	-5573 Oct 24 j 23:23	21°♍34'52	0°35'45
minimum elong	-5573 Oct 24 j 23:24	21°♍34'52	0°35'50
max. Earth dist.	-5573 Oct 25 j 23:09	21°♍38'25	20.44805 AU
morning rise	-5573 Nov 09 j 13:37	22°♍30'30	
retrograde	-5572 Feb 10 j 14:16	25°♍42'47	
min. Earth dist.	-5572 Apr 27 j 02:53	23°♍45'29	18.48322 AU
opposition	-5572 Apr 28 j 02:22	23°♍43'07	0°37'58
direct	-5572 Jul 13 j 16:11	21°♍44'27	
evening set	-5572 Oct 12 j 18:55	24°♍52'25	
conjunction	-5572 Oct 28 j 08:09	25°♍47'39	0°32'47
minimum elong	-5572 Oct 28 j 08:09	25°♍47'39	0°32'49
max. Earth dist.	-5572 Oct 29 j 09:06	25°♍51'22	20.51730 AU
morning rise	-5572 Nov 12 j 22:48	26°♍43'06	
retrograde	-5571 Feb 14 j 03:22	29°♍54'48	
opposition	-5571 May 02 j 18:06	27°♍55'12	0°34'34
min. Earth dist.	-5571 May 01 j 16:26	27°♍57'47	18.55093 AU
direct	-5571 Jul 18 j 06:57	25°♍56'53	
evening set	-5571 Oct 17 j 02:57	29°♍03'36	
conjunction	-5571 Nov 01 j 16:23	29°♍58'38	0°29'39
minimum elong	-5571 Nov 01 j 16:23	29°♍58'38	0°29'41
	-5571 Nov 02 j 01:38	0°♎	
max. Earth dist.	-5571 Nov 02 j 18:31	0°♎02'31	20.58335 AU
morning rise	-5571 Nov 17 j 07:32	0°♎53'55	
retrograde	-5570 Feb 18 j 13:45	4°♎05'02	
min. Earth dist.	-5570 May 06 j 07:25	2°♎08'02	18.61545 AU
opposition	-5570 May 07 j 08:57	2°♎05'28	0°31'01
direct	-5570 Jul 22 j 18:13	0°♎07'26	
evening set	-5570 Oct 21 j 10:12	3°♎12'58	
conjunction	-5570 Nov 05 j 23:57	4°♎07'48	0°26'23
minimum elong	-5570 Nov 05 j 23:57	4°♎07'48	0°26'24
max. Earth dist.	-5570 Nov 07 j 02:59	4°♎11'48	20.64635 AU
morning rise	-5570 Nov 21 j 15:40	5°♎02'56	
retrograde	-5569 Feb 23 j 01:48	8°♎13'27	
opposition	-5569 May 11 j 22:54	6°♎13'54	0°27'19
min. Earth dist.	-5569 May 10 j 19:22	6°♎16'40	18.67687 AU
direct	-5569 Jul 27 j 07:04	4°♎16'08	
evening set	-5569 Oct 25 j 16:41	7°♎20'30	
conjunction	-5569 Nov 10 j 06:46	8°♎15'10	0°23'01
minimum elong	-5569 Nov 10 j 06:46	8°♎15'10	0°23'00
max. Earth dist.	-5569 Nov 11 j 11:11	8°♎19'20	20.70619 AU
morning rise	-5569 Nov 25 j 23:06	9°♎10'09	
retrograde	-5568 Feb 27 j 10:59	12°♎20'08	
min. Earth dist.	-5568 May 14 j 08:45	10°♎23'20	18.73538 AU
opposition	-5568 May 15 j 12:12	10°♎20'34	0°23'31
direct	-5568 Jul 30 j 16:55	8°♎23'03	
evening set	-5568 Oct 28 j 22:40	11°♎26'19	
conjunction	-5568 Nov 13 j 13:12	12°♎20'48	0°19'34
minimum elong	-5568 Nov 13 j 13:12	12°♎20'48	0°19'32
max. Earth dist.	-5568 Nov 14 j 18:25	12°♎25'05	20.76339 AU
morning rise	-5568 Nov 29 j 06:14	13°♎15'40	
retrograde	-5567 Mar 02 j 21:54	16°♎25'07	
min. Earth dist.	-5567 May 18 j 19:01	14°♎28'30	18.79130 AU
opposition	-5567 May 20 j 00:19	14°♎25'33	0°19'38
direct	-5567 Aug 04 j 03:38	12°♎28'16	
evening set	-5567 Nov 02 j 04:10	15°♎30'30	
conjunction	-5567 Nov 17 j 19:10	16°♎24'52	0°16'02
minimum elong	-5567 Nov 17 j 19:10	16°♎24'52	0°15'58
behind sun begin	-5567 Nov 17 j 17:56	16°♎24'41	
behind sun end	-5567 Nov 17 j 20:25	16°♎25'02	
max. Earth dist.	-5567 Nov 19 j 01:39	16°♎29'18	20.81791 AU
morning rise	-5567 Dec 03 j 12:54	17°♎19'37	
retrograde	-5566 Mar 07 j 06:27	20°♎28'34	
min. Earth dist.	-5566 May 23 j 06:45	18°♎31'56	18.84462 AU
opposition	-5566 May 24 j 11:52	18°♎29'01	0°15'41
direct	-5566 Aug 08 j 12:08	16°♎31'58	

Attention, astronomical year style is used: The year -5566 in astronomical counting style is the year 5567 BCE in historical counting style.

evening set	-5566 Nov 06 j 09:07	19°♎33'15	
conjunction	-5566 Nov 22 j 00:39	20°♎27'29	0°12'27
minimum elong	-5566 Nov 22 j 00:39	20°♎27'29	0°12'22
behind sun begin	-5566 Nov 21 j 20:16	20°♎26'52	
behind sun end	-5566 Nov 22 j 05:02	20°♎28'06	
max. Earth dist.	-5566 Nov 23 j 07:38	20°♎32'00	20.86995 AU
morning rise	-5566 Dec 07 j 19:08	21°♎22'08	
retrograde	-5565 Mar 11 j 16:37	24°♎30'39	
opposition	-5565 May 28 j 22:33	22°♎31'08	0°11'41
min. Earth dist.	-5565 May 27 j 15:46	22°♎34'13	18.89533 AU
direct	-5565 Aug 12 j 20:49	20°♎34'20	
evening set	-5565 Nov 10 j 13:47	23°♎34'45	
conjunction	-5565 Nov 26 j 05:55	24°♎28'52	0°08'50
minimum elong	-5565 Nov 26 j 05:54	24°♎28'52	0°08'43
behind sun begin	-5565 Nov 26 j 00:12	24°♎28'04	
behind sun end	-5565 Nov 26 j 11:37	24°♎29'41	
max. Earth dist.	-5565 Nov 27 j 13:58	24°♎33'31	20.91919 AU
morning rise	-5565 Dec 12 j 01:11	25°♎23'27	
retrograde	-5564 Mar 15 j 00:26	28°♎31'33	
min. Earth dist.	-5564 May 31 j 02:21	26°♎35'08	18.94315 AU
opposition	-5564 Jun 01 j 08:43	26°♎32'06	0°07'38
direct	-5564 Aug 16 j 04:21	24°♎35'32	
evening set	-5564 Nov 13 j 18:05	27°♎35'10	
conjunction	-5564 Nov 29 j 10:54	28°♎29'12	0°05'11
minimum elong	-5564 Nov 29 j 10:54	28°♎29'12	0°05'03
behind sun begin	-5564 Nov 29 j 04:31	28°♎28'18	
behind sun end	-5564 Nov 29 j 17:17	28°♎30'06	
max. Earth dist.	-5564 Nov 30 j 19:05	28°♎33'51	20.96550 AU
morning rise	-5564 Dec 15 j 07:04	29°♎23'43	
	-5564 Dec 26 j 06:31	0°♏	
retrograde	-5563 Mar 19 j 10:37	2°♏31'28	
min. Earth dist.	-5563 Jun 04 j 10:36	0°♏35'13	18.98772 AU
opposition	-5563 Jun 05 j 18:09	0°♏32'04	0°03'34
	-5563 Jun 19 j 07:14	30°℞♎	
direct	-5563 Aug 20 j 11:30	28°♎35'44	
	-5563 Oct 18 j 05:06	0°♏	
evening set	-5563 Nov 17 j 22:19	1°♏34'39	
conjunction	-5563 Dec 03 j 15:48	2°♏28'38	0°01'29
minimum elong	-5563 Dec 03 j 15:49	2°♏28'38	0°01'19
behind sun begin	-5563 Dec 03 j 09:15	2°♏27'42	
behind sun end	-5563 Dec 03 j 22:23	2°♏29'33	
max. Earth dist.	-5563 Dec 05 j 00:39	2°♏33'21	21.00810 AU
morning rise	-5563 Dec 19 j 12:48	3°♏23'06	
retrograde	-5562 Mar 23 j 17:30	6°♏30'31	
desc. node	-5562 Apr 26 j 06:39	6°♏04'37	
min. Earth dist.	-5562 Jun 08 j 20:18	4°♏34'16	19.02838 AU
opposition	-5562 Jun 10 j 02:58	4°♏31'12	-0°00'30
direct	-5562 Aug 24 j 17:54	2°♏35'06	
evening set	-5562 Nov 22 j 02:22	5°♏33'24	
conjunction	-5562 Dec 07 j 20:35	6°♏27'18	-0°02'18
minimum elong	-5562 Dec 07 j 20:35	6°♏27'19	0°02'29
behind sun begin	-5562 Dec 07 j 14:02	6°♏26'24	
behind sun end	-5562 Dec 08 j 03:09	6°♏28'13	
max. Earth dist.	-5562 Dec 09 j 05:03	6°♏31'58	21.04675 AU
morning rise	-5562 Dec 23 j 18:30	7°♏21'45	
retrograde	-5561 Mar 28 j 03:30	10°♏28'54	
min. Earth dist.	-5561 Jun 13 j 04:00	8°♏32'47	19.06478 AU
opposition	-5561 Jun 14 j 11:20	8°♏29'39	-0°04'34
direct	-5561 Aug 29 j 00:17	6°♏33'44	
evening set	-5561 Nov 26 j 06:18	9°♏31'29	
conjunction	-5561 Dec 12 j 01:18	10°♏25'22	-0°05'58
minimum elong	-5561 Dec 12 j 01:18	10°♏25'22	0°06'09
behind sun begin	-5561 Dec 11 j 19:02	10°♏24'30	
behind sun end	-5561 Dec 12 j 07:33	10°♏26'14	
max. Earth dist.	-5561 Dec 13 j 10:04	10°♏30'04	21.08065 AU
morning rise	-5561 Dec 28 j 00:06	11°♏19'48	
retrograde	-5560 Mar 31 j 10:04	14°♏26'43	
opposition	-5560 Jun 17 j 19:21	12°♏27'32	-0°08'36
min. Earth dist.	-5560 Jun 16 j 13:17	12°♏30'32	19.09616 AU
direct	-5560 Sep 01 j 05:21	10°♏31'46	
evening set	-5560 Nov 29 j 10:22	13°♏29'03	
conjunction	-5560 Dec 15 j 06:12	14°♏22'55	-0°09'34
minimum elong	-5560 Dec 15 j 06:11	14°♏22'55	0°09'47
behind sun begin	-5560 Dec 15 j 00:47	14°♏22'10	
behind sun end	-5560 Dec 15 j 11:36	14°♏23'40	
max. Earth dist.	-5560 Dec 16 j 14:01	14°♏27'28	21.10941 AU
	-5560 Dec 26 j 02:25	15°♏	
morning rise	-5560 Dec 31 j 05:59	15°♏17'21	
retrograde	-5559 Apr 04 j 19:25	18°♏24'04	
min. Earth dist.	-5559 Jun 20 j 20:33	16°♏27'54	19.12211 AU
opposition	-5559 Jun 22 j 02:39	16°♏24'54	-0°12'35
	-5559 Jul 31 j 19:27	15°℞♏	
direct	-5559 Sep 05 j 11:26	14°♏29'15	
	-5559 Oct 10 j 06:15	15°♏	
evening set	-5559 Dec 03 j 14:27	17°♏26'08	
conjunction	-5559 Dec 19 j 11:09	18°♏20'01	-0°13'08
minimum elong	-5559 Dec 19 j 11:08	18°♏20'01	0°13'21
behind sun begin	-5559 Dec 19 j 07:19	18°♏19'29	
behind sun end	-5559 Dec 19 j 14:57	18°♏20'32	
max. Earth dist.	-5559 Dec 20 j 18:42	18°♏24'31	21.13231 AU
morning rise	-5558 Jan 04 j 11:51	19°♏14'27	
retrograde	-5558 Apr 09 j 01:50	22°♏20'59	
min. Earth dist.	-5558 Jun 25 j 05:15	20°♏24'41	19.14202 AU
opposition	-5558 Jun 26 j 09:45	20°♏21'50	-0°16'29
direct	-5558 Sep 09 j 15:31	18°♏26'15	
evening set	-5558 Dec 07 j 18:24	21°♏22'47	
conjunction	-5558 Dec 23 j 15:58	22°♏16'41	-0°16'38
minimum elong	-5558 Dec 23 j 15:58	22°♏16'41	0°16'53
max. Earth dist.	-5558 Dec 24 j 22:16	22°♏21'00	21.14932 AU
morning rise	-5557 Jan 08 j 17:42	23°♏11'10	
retrograde	-5557 Apr 13 j 10:20	26°♏17'33	
opposition	-5557 Jun 30 j 16:23	24°♏18'21	-0°20'19
min. Earth dist.	-5557 Jun 29 j 12:05	24°♏21'11	19.15602 AU
direct	-5557 Sep 13 j 21:24	22°♏22'46	
evening set	-5557 Dec 11 j 22:29	25°♏19'03	
conjunction	-5557 Dec 27 j 21:00	26°♏12'59	-0°20'03
minimum elong	-5557 Dec 27 j 21:00	26°♏12'59	0°20'18
max. Earth dist.	-5557 Dec 29 j 02:54	26°♏17'14	21.16034 AU
morning rise	-5556 Jan 12 j 23:42	27°♏07'30	
	-5556 Mar 23 j 16:53	0°♐	
retrograde	-5556 Apr 16 j 16:45	0°♐13'45	
	-5556 May 10 j 22:04	30°℞♏	
opposition	-5556 Jul 03 j 22:36	28°♏14'30	-0°24'02
min. Earth dist.	-5556 Jul 02 j 20:00	28°♏17'10	19.16421 AU
direct	-5556 Sep 17 j 01:16	26°♏18'53	
evening set	-5556 Dec 15 j 02:38	29°♏14'58	
	-5556 Dec 28 j 11:04	0°♐	
conjunction	-5556 Dec 31 j 02:07	0°♐08'57	-0°23'21
minimum elong	-5556 Dec 31 j 02:07	0°♐08'57	0°23'38
max. Earth dist.	-5555 Jan 01 j 06:36	0°♐13'00	21.16595 AU
morning rise	-5555 Jan 16 j 05:54	1°♐03'33	
retrograde	-5555 Apr 21 j 00:41	4°♐09'42	
min. Earth dist.	-5555 Jul 07 j 02:12	2°♐13'00	19.16719 AU

Attention, astronomical year style is used: The year -5555 in astronomical counting style is the year 5556 BCE in historical counting style.

opposition	-5555 Jul 08 j 04:24	2°♐10'22	-0°27'37
direct	-5555 Sep 21 j 06:10	0°♐14'40	
evening set	-5555 Dec 19 j 06:56	3°♐10'39	
conjunction	-5554 Jan 04 j 07:22	4°♐04'42	-0°26'33
minimum elong	-5554 Jan 04 j 07:21	4°♐04'42	0°26'50
max. Earth dist.	-5554 Jan 05 j 11:23	4°♐08'40	21.16635 AU
morning rise	-5554 Jan 20 j 12:03	4°♐59'22	
retrograde	-5554 Apr 25 j 07:00	8°♐05'28	
min. Earth dist.	-5554 Jul 11 j 09:17	6°♐08'32	19.16527 AU
opposition	-5554 Jul 12 j 09:53	6°♐06'03	-0°31'05
direct	-5554 Sep 25 j 10:06	4°♐10'17	
evening set	-5554 Dec 23 j 11:23	7°♐06'14	
conjunction	-5553 Jan 08 j 12:46	8°♐00'22	-0°29'37
minimum elong	-5553 Jan 08 j 12:46	8°♐00'22	0°29'55
max. Earth dist.	-5553 Jan 09 j 15:19	8°♐04'08	21.16234 AU
morning rise	-5553 Jan 24 j 18:31	8°♐55'07	
retrograde	-5553 Apr 29 j 14:39	12°♐01'14	
opposition	-5553 Jul 16 j 15:08	10°♐01'44	-0°34'24
min. Earth dist.	-5553 Jul 15 j 14:56	10°♐04'10	19.15915 AU
direct	-5553 Sep 29 j 14:00	8°♐05'51	
evening set	-5553 Dec 27 j 16:02	11°♐01'52	
conjunction	-5552 Jan 12 j 18:27	11°♐56'07	-0°32'33
minimum elong	-5552 Jan 12 j 18:27	11°♐56'07	0°32'51
max. Earth dist.	-5552 Jan 13 j 20:29	11°♐59'48	21.15405 AU
morning rise	-5552 Jan 29 j 01:09	12°♐50'59	
retrograde	-5552 May 02 j 21:13	15°♐57'08	
opposition	-5552 Jul 19 j 20:18	13°♐57'35	-0°37'33
min. Earth dist.	-5552 Jul 18 j 21:43	13°♐59'52	19.14882 AU
direct	-5552 Oct 02 j 17:52	12°♐01'36	
evening set	-5552 Dec 30 j 21:08	14°♐57'46	
conjunction	-5551 Jan 16 j 00:34	15°♐52'08	-0°35'20
minimum elong	-5551 Jan 16 j 00:34	15°♐52'08	0°35'38
max. Earth dist.	-5551 Jan 17 j 00:50	15°♐55'34	21.14184 AU
morning rise	-5551 Feb 01 j 08:20	16°♐47'07	
retrograde	-5551 May 07 j 05:19	19°♐53'22	
min. Earth dist.	-5551 Jul 23 j 03:14	17°♐55'59	19.13460 AU
opposition	-5551 Jul 24 j 01:08	17°♐53'46	-0°40'33
direct	-5551 Oct 06 j 21:38	15°♐57'40	
evening set	-5550 Jan 04 j 02:37	18°♐54'05	
conjunction	-5550 Jan 20 j 07:06	19°♐48'36	-0°37'57
minimum elong	-5550 Jan 20 j 07:05	19°♐48'36	0°38'17
max. Earth dist.	-5550 Jan 21 j 06:36	19°♐51'56	21.12555 AU
morning rise	-5550 Feb 05 j 15:45	20°♐43'43	
retrograde	-5550 May 11 j 11:57	23°♐50'06	
min. Earth dist.	-5550 Jul 27 j 10:03	21°♐52'31	19.11628 AU
opposition	-5550 Jul 28 j 06:08	21°♐50'29	-0°43'21
direct	-5550 Oct 11 j 01:02	19°♐54'17	
evening set	-5549 Jan 08 j 08:25	22°♐51'01	
conjunction	-5549 Jan 24 j 13:53	23°♐45'41	-0°40'24
minimum elong	-5549 Jan 24 j 13:53	23°♐45'41	0°40'43
max. Earth dist.	-5549 Jan 25 j 11:27	23°♐48'44	21.10534 AU
morning rise	-5549 Feb 09 j 23:35	24°♐40'57	
retrograde	-5549 May 15 j 21:11	27°♐47'33	
opposition	-5549 Aug 01 j 11:09	25°♐47'53	-0°45'58
min. Earth dist.	-5549 Jul 31 j 16:02	25°♐49'49	19.09395 AU
direct	-5549 Oct 15 j 05:16	23°♐51'33	
evening set	-5548 Jan 12 j 14:57	26°♐48'42	
conjunction	-5548 Jan 28 j 21:29	27°♐43'34	-0°42'41
minimum elong	-5548 Jan 28 j 21:29	27°♐43'34	0°43'01
max. Earth dist.	-5548 Jan 29 j 18:01	27°♐46'28	21.08078 AU
morning rise	-5548 Feb 14 j 08:04	28°♐38'59	
	-5548 Mar 11 j 11:32	0°♑	
retrograde	-5548 May 19 j 04:00	1°♑45'48	
	-5548 Jul 29 j 23:50	30°℞♐	
opposition	-5548 Aug 04 j 16:10	29°♐46'08	-0°48'23
min. Earth dist.	-5548 Aug 03 j 23:15	29°♐47'52	19.06711 AU
direct	-5548 Oct 18 j 08:41	27°♐49'39	
	-5547 Jan 01 j 04:15	0°♑	
evening set	-5547 Jan 15 j 22:11	0°♑47'18	
conjunction	-5547 Feb 01 j 05:43	1°♑42'21	-0°44'45
minimum elong	-5547 Feb 01 j 05:43	1°♑42'21	0°45'05
max. Earth dist.	-5547 Feb 01 j 23:43	1°♑44'54	21.05172 AU
morning rise	-5547 Feb 17 j 17:18	2°♑37'57	
retrograde	-5547 May 23 j 14:03	5°♑45'03	
opposition	-5547 Aug 08 j 21:23	3°♑45'20	-0°50'34
min. Earth dist.	-5547 Aug 08 j 05:56	3°♑46'55	19.03558 AU
direct	-5547 Oct 22 j 13:32	1°♑48'40	
evening set	-5546 Jan 20 j 06:00	4°♑46'54	
conjunction	-5546 Feb 05 j 14:33	5°♑42'09	-0°46'37
minimum elong	-5546 Feb 05 j 14:33	5°♑42'09	0°46'57
max. Earth dist.	-5546 Feb 06 j 07:05	5°♑44'29	21.01753 AU
morning rise	-5546 Feb 22 j 02:54	6°♑37'56	
retrograde	-5546 May 27 j 21:46	9°♑45'20	
opposition	-5546 Aug 13 j 02:49	7°♑45'34	-0°52'31
min. Earth dist.	-5546 Aug 12 j 13:47	7°♑46'54	18.99875 AU
direct	-5546 Oct 26 j 17:47	5°♑48'41	
evening set	-5545 Jan 24 j 14:34	8°♑47'32	
conjunction	-5545 Feb 10 j 00:05	9°♑43'00	-0°48'16
minimum elong	-5545 Feb 10 j 00:05	9°♑43'00	0°48'36
max. Earth dist.	-5545 Feb 10 j 13:35	9°♑44'54	20.97817 AU
morning rise	-5545 Feb 26 j 13:23	10°♑38'59	
retrograde	-5545 Jun 01 j 08:07	13°♑46'43	
opposition	-5545 Aug 17 j 08:28	11°♑46'51	-0°54'12
min. Earth dist.	-5545 Aug 16 j 21:11	11°♑48'01	18.95668 AU
direct	-5545 Oct 30 j 23:19	9°♑49'41	
evening set	-5544 Jan 28 j 23:46	12°♑49'14	
conjunction	-5544 Feb 14 j 10:22	13°♑44'55	-0°49'40
minimum elong	-5544 Feb 14 j 10:22	13°♑44'55	0°49'59
max. Earth dist.	-5544 Feb 14 j 22:06	13°♑46'35	20.93336 AU
morning rise	-5544 Mar 02 j 00:25	14°♑41'07	
retrograde	-5544 Jun 04 j 17:06	17°♑49'10	
opposition	-5544 Aug 20 j 14:24	15°♑49'12	-0°55'39
min. Earth dist.	-5544 Aug 20 j 05:36	15°♑50'07	18.90916 AU
direct	-5544 Nov 03 j 04:36	13°♑51'43	
evening set	-5543 Feb 01 j 09:46	16°♑52'00	
conjunction	-5543 Feb 17 j 21:17	17°♑47'56	-0°50'50
minimum elong	-5543 Feb 17 j 21:17	17°♑47'56	0°51'10
max. Earth dist.	-5543 Feb 18 j 05:42	17°♑49'08	20.88346 AU
morning rise	-5543 Mar 06 j 12:14	18°♑44'21	
retrograde	-5543 Jun 09 j 03:46	21°♑52'46	
opposition	-5543 Aug 24 j 20:26	19°♑52'38	-0°56'48
min. Earth dist.	-5543 Aug 24 j 13:33	19°♑53'21	18.85685 AU
direct	-5543 Nov 07 j 11:02	17°♑54'46	
evening set	-5542 Feb 05 j 20:20	20°♑55'53	
conjunction	-5542 Feb 22 j 08:53	21°♑52'04	-0°51'45
minimum elong	-5542 Feb 22 j 08:53	21°♑52'04	0°52'04
max. Earth dist.	-5542 Feb 22 j 15:39	21°♑53'02	20.82890 AU
morning rise	-5542 Mar 11 j 00:26	22°♑48'42	
retrograde	-5542 Jun 13 j 13:34	25°♑57'30	
opposition	-5542 Aug 29 j 02:50	23°♑57'13	-0°57'41
min. Earth dist.	-5542 Aug 28 j 22:13	23°♑57'42	18.80024 AU

Attention, astronomical year style is used: The year -5542 in astronomical counting style is the year 5543 BCE in historical counting style.

direct	-5542 Nov 11 j 17:07	21°♉58'58	
evening set	-5541 Feb 10 j 07:32	25°♉00'56	
conjunction	-5541 Feb 26 j 20:55	25°♉57'23	-0°52'24
minimum elong	-5541 Feb 26 j 20:55	25°♉57'23	0°52'43
max. Earth dist.	-5541 Feb 27 j 00:31	25°♉57'54	20.77059 AU
morning rise	-5541 Mar 15 j 13:21	26°♉54'16	
	-5541 Jun 06 j 06:42	0°♒	
retrograde	-5541 Jun 18 j 01:03	0°♒03'30	
	-5541 Jun 29 j 21:00	30°℞♉	
opposition	-5541 Sep 02 j 09:34	28°♉03'01	-0°58'17
min. Earth dist.	-5541 Sep 02 j 06:48	28°♉03'19	18.74025 AU
direct	-5541 Nov 16 j 00:27	26°♉04'21	
evening set	-5540 Feb 14 j 19:38	29°♉07'17	
	-5540 Mar 01 j 06:04	0°♒	
conjunction	-5540 Mar 02 j 10:02	0°♒04'01	-0°52'48
minimum elong	-5540 Mar 02 j 10:02	0°♒04'01	0°53'05
max. Earth dist.	-5540 Mar 02 j 12:11	0°♒04'19	20.70903 AU
morning rise	-5540 Mar 19 j 02:58	1°♒01'08	
retrograde	-5540 Jun 21 j 11:54	4°♒10'48	
opposition	-5540 Sep 05 j 16:34	2°♒10'11	-0°58'34
min. Earth dist.	-5540 Sep 05 j 15:55	2°♒10'15	18.67734 AU
direct	-5540 Nov 19 j 07:29	0°♒11'06	
evening set	-5539 Feb 18 j 08:39	3°♒15'04	
conjunction	-5539 Mar 06 j 23:46	4°♒12'04	-0°52'55
minimum elong	-5539 Mar 06 j 23:46	4°♒12'04	0°53'11
max. Earth dist.	-5539 Mar 06 j 22:40	4°♒11'55	20.64504 AU
morning rise	-5539 Mar 23 j 17:25	5°♒09'27	
retrograde	-5539 Jun 26 j 00:25	8°♒19'37	
opposition	-5539 Sep 10 j 00:09	6°♒18'50	-0°58'34
min. Earth dist.	-5539 Sep 10 j 01:19	6°♒18'43	18.61235 AU
direct	-5539 Nov 23 j 15:42	4°♒19'20	
evening set	-5538 Feb 22 j 22:14	7°♒24'23	
conjunction	-5538 Mar 11 j 14:15	8°♒21'42	-0°52'46
minimum elong	-5538 Mar 11 j 14:16	8°♒21'42	0°53'02
max. Earth dist.	-5538 Mar 11 j 11:59	8°♒21'23	20.57907 AU
morning rise	-5538 Mar 28 j 08:16	9°♒19'20	
retrograde	-5538 Jun 30 j 12:49	12°♒30'03	
opposition	-5538 Sep 14 j 08:15	10°♒29'08	-0°58'16
min. Earth dist.	-5538 Sep 14 j 11:14	10°♒28'49	18.54559 AU
direct	-5538 Nov 27 j 24:00	8°♒29'15	
evening set	-5537 Feb 27 j 12:55	11°♒35'28	
conjunction	-5537 Mar 16 j 05:35	12°♒33'04	-0°52'20
minimum elong	-5537 Mar 16 j 05:35	12°♒33'04	0°52'35
max. Earth dist.	-5537 Mar 16 j 00:02	12°♒32'16	20.51177 AU
morning rise	-5537 Apr 02 j 00:13	13°♒30'58	
	-5537 Apr 30 j 05:24	15°♒	
retrograde	-5537 Jul 05 j 02:29	16°♒42'16	
	-5537 Sep 11 j 06:27	15°℞♒	
opposition	-5537 Sep 18 j 16:52	14°♒41'14	-0°57'39
min. Earth dist.	-5537 Sep 18 j 21:47	14°♒40'43	18.47775 AU
direct	-5537 Dec 02 j 08:58	12°♒40'57	
	-5536 Feb 17 j 12:04	15°♒	
evening set	-5536 Mar 03 j 04:29	15°♒48'24	
conjunction	-5536 Mar 19 j 22:01	16°♒46'20	-0°51'37
minimum elong	-5536 Mar 19 j 22:01	16°♒46'20	0°51'52
max. Earth dist.	-5536 Mar 19 j 15:17	16°♒45'21	20.44334 AU
morning rise	-5536 Apr 05 j 16:54	17°♒44'30	
retrograde	-5536 Jul 08 j 17:01	20°♒56'23	
opposition	-5536 Sep 22 j 02:11	18°♒55'17	-0°56'43
min. Earth dist.	-5536 Sep 22 j 08:53	18°♒54'35	18.40876 AU
direct	-5536 Dec 05 j 18:58	16°♒54'39	
evening set	-5535 Mar 07 j 21:11	20°♒03'23	
conjunction	-5535 Mar 24 j 15:11	21°♒01'37	-0°50'37
minimum elong	-5535 Mar 24 j 15:11	21°♒01'37	0°50'50
max. Earth dist.	-5535 Mar 24 j 05:01	21°♒00'08	20.37395 AU
morning rise	-5535 Apr 10 j 10:32	22°♒00'04	
retrograde	-5535 Jul 13 j 07:46	25°♒12'35	
opposition	-5535 Sep 26 j 12:09	23°♒11'25	-0°55'28
min. Earth dist.	-5535 Sep 26 j 21:03	23°♒10'28	18.33894 AU
direct	-5535 Dec 10 j 04:55	21°♒10'24	
evening set	-5534 Mar 12 j 14:45	24°♒20'28	
conjunction	-5534 Mar 29 j 09:28	25°♒19'02	-0°49'19
minimum elong	-5534 Mar 29 j 09:28	25°♒19'02	0°49'32
max. Earth dist.	-5534 Mar 28 j 22:06	25°♒17'22	20.30359 AU
morning rise	-5534 Apr 15 j 04:53	26°♒17'45	
retrograde	-5534 Jul 18 j 00:23	29°♒30'55	
opposition	-5534 Sep 30 j 22:52	27°♒29'42	-0°53'53
min. Earth dist.	-5534 Oct 01 j 09:31	27°♒28'33	18.26803 AU
direct	-5534 Dec 14 j 17:01	25°♒28'20	
evening set	-5533 Mar 17 j 09:27	28°♒39'45	
conjunction	-5533 Apr 03 j 04:30	29°♒38'38	-0°47'44
minimum elong	-5533 Apr 03 j 04:30	29°♒38'38	0°47'55
max. Earth dist.	-5533 Apr 02 j 13:29	29°♒36'26	20.23216 AU
	-5533 Apr 09 j 05:36	0°♓	
morning rise	-5533 Apr 20 j 00:16	0°♓37'38	
retrograde	-5533 Jul 22 j 15:52	3°♓51'28	
opposition	-5533 Oct 05 j 10:28	1°♓50'09	-0°51'59
min. Earth dist.	-5533 Oct 05 j 23:37	1°♓48'45	18.19605 AU
	-5533 Nov 28 j 04:43	30°℞♒	
direct	-5533 Dec 19 j 04:49	29°♒48'23	
	-5532 Jan 09 j 05:18	0°♓	
evening set	-5532 Mar 21 j 05:10	3°♓01'13	
max. Earth dist.	-5532 Apr 06 j 08:24	3°♓57'59	20.15948 AU
conjunction	-5532 Apr 07 j 00:49	4°♓00'25	-0°45'51
minimum elong	-5532 Apr 07 j 00:49	4°♓00'25	0°46'00
morning rise	-5532 Apr 23 j 20:29	4°♓59'40	
retrograde	-5532 Jul 26 j 09:49	8°♓14'08	
opposition	-5532 Oct 08 j 22:45	6°♓12'44	-0°49'46
min. Earth dist.	-5532 Oct 09 j 13:34	6°♓11'08	18.12274 AU
direct	-5532 Dec 22 j 19:18	4°♓10'34	
evening set	-5531 Mar 26 j 02:02	7°♓24'46	
conjunction	-5531 Apr 11 j 21:50	8°♓24'17	-0°43'42
minimum elong	-5531 Apr 11 j 21:50	8°♓24'17	0°43'51
max. Earth dist.	-5531 Apr 11 j 01:43	8°♓21'18	20.08569 AU
morning rise	-5531 Apr 28 j 17:36	9°♓23'48	
retrograde	-5531 Jul 31 j 01:55	12°♓38'54	
opposition	-5531 Oct 13 j 12:02	10°♓37'22	-0°47'14
min. Earth dist.	-5531 Oct 14 j 05:22	10°♓35'30	18.04864 AU
direct	-5531 Dec 27 j 09:42	8°♓34'45	
evening set	-5530 Mar 30 j 23:25	11°♓50'21	
conjunction	-5530 Apr 16 j 19:38	12°♓50'10	-0°41'16
minimum elong	-5530 Apr 16 j 19:38	12°♓50'10	0°41'23
max. Earth dist.	-5530 Apr 15 j 22:19	12°♓46'59	20.01127 AU
morning rise	-5530 May 03 j 15:10	13°♓49'56	
retrograde	-5530 Aug 04 j 20:32	17°♓05'39	
opposition	-5530 Oct 18 j 01:59	15°♓03'59	-0°44'24
min. Earth dist.	-5530 Oct 18 j 20:33	15°♓01'59	17.97406 AU
direct	-5529 Jan 01 j 02:25	13°♓00'56	
evening set	-5529 Apr 04 j 22:01	16°♓17'53	
conjunction	-5529 Apr 21 j 18:14	17°♓17'59	-0°38'34
minimum elong	-5529 Apr 21 j 18:15	17°♓17'59	0°38'40

Attention, astronomical year style is used: The year -5529 in astronomical counting style is the year 5530 BCE in historical counting style.

max. Earth dist.	-5529 Apr 20 j 17:40	17°♓14'19	19.93679 AU
morning rise	-5529 May 08 j 13:42	18°♓18'00	
retrograde	-5529 Aug 09 j 13:29	21°♓34'19	
opposition	-5529 Oct 22 j 16:42	19°♓32'30	-0°41'16
min. Earth dist.	-5529 Oct 23 j 13:45	19°♓30'13	17.89994 AU
direct	-5528 Jan 05 j 18:59	17°♓28'57	
evening set	-5528 Apr 08 j 21:19	20°♓47'19	
conjunction	-5528 Apr 25 j 17:45	21°♓47'41	-0°35'36
minimum elong	-5528 Apr 25 j 17:45	21°♓47'41	0°35'41
max. Earth dist.	-5528 Apr 24 j 16:09	21°♓43'50	19.86313 AU
morning rise	-5528 May 12 j 12:51	22°♓47'55	
retrograde	-5528 Aug 13 j 09:14	26°♓04'50	
opposition	-5528 Oct 26 j 08:14	24°♓02'51	-0°37'52
min. Earth dist.	-5528 Oct 27 j 06:03	24°♓00'29	17.82691 AU
direct	-5527 Jan 09 j 13:58	21°♓58'51	
evening set	-5527 Apr 13 j 21:26	25°♓18'34	
conjunction	-5527 Apr 30 j 17:40	26°♓19'12	-0°32'25
minimum elong	-5527 Apr 30 j 17:40	26°♓19'12	0°32'28
max. Earth dist.	-5527 Apr 29 j 13:34	26°♓14'57	19.79093 AU
morning rise	-5527 May 17 j 12:23	27°♓19'39	
	-5527 Jul 11 j 21:35	0°♈	
retrograde	-5527 Aug 18 j 03:24	0°♈37'08	
	-5527 Sep 24 j 22:46	30°℞♓	
opposition	-5527 Oct 31 j 00:41	28°♓35'00	-0°34'13
min. Earth dist.	-5527 Nov 01 j 00:40	28°♓32'24	17.75595 AU
direct	-5526 Jan 14 j 08:18	26°♓30'33	
evening set	-5526 Apr 18 j 22:09	29°♓51'36	
	-5526 Apr 21 j 06:46	0°♈	
conjunction	-5526 May 05 j 18:20	0°♈52'29	-0°29'01
minimum elong	-5526 May 05 j 18:20	0°♈52'29	0°29'03
max. Earth dist.	-5526 May 04 j 13:30	0°♈48'06	19.72129 AU
morning rise	-5526 May 22 j 12:33	1°♈53'08	
retrograde	-5526 Aug 23 j 00:33	5°♈11'12	
opposition	-5526 Nov 04 j 17:48	3°♈08'55	-0°30'19
min. Earth dist.	-5526 Nov 05 j 17:59	3°♈06'17	17.68781 AU
direct	-5525 Jan 19 j 04:58	1°♈04'04	
evening set	-5525 Apr 23 j 23:42	4°♈26'25	
conjunction	-5525 May 10 j 19:34	5°♈27'32	-0°25'25
minimum elong	-5525 May 10 j 19:35	5°♈27'32	0°25'24
max. Earth dist.	-5525 May 09 j 13:05	5°♈22'53	19.65477 AU
morning rise	-5525 May 27 j 13:13	6°♈28'22	
retrograde	-5525 Aug 27 j 20:17	9°♈46'59	
opposition	-5525 Nov 09 j 11:59	7°♈44'37	-0°26'13
min. Earth dist.	-5525 Nov 10 j 14:04	7°♈41'46	17.62325 AU
direct	-5524 Jan 24 j 00:42	5°♈39'22	
evening set	-5524 Apr 28 j 01:56	9°♈03'00	
conjunction	-5524 May 14 j 21:26	10°♈04'20	-0°21'37
minimum elong	-5524 May 14 j 21:26	10°♈04'20	0°21'35
max. Earth dist.	-5524 May 13 j 14:15	9°♈59'33	19.59222 AU
morning rise	-5524 May 31 j 14:25	11°♈05'21	
retrograde	-5524 Aug 31 j 19:07	14°♈24'30	
opposition	-5524 Nov 13 j 06:53	12°♈22'04	-0°21'54
min. Earth dist.	-5524 Nov 14 j 08:44	12°♈19'14	17.56284 AU
direct	-5523 Jan 27 j 23:14	10°♈16'30	
evening set	-5523 May 03 j 04:52	13°♈41'23	
conjunction	-5523 May 19 j 23:53	14°♈42'55	-0°17'40
minimum elong	-5523 May 19 j 23:53	14°♈42'55	0°17'37
max. Earth dist.	-5523 May 18 j 15:58	14°♈38'00	19.53402 AU
morning rise	-5523 Jun 05 j 16:00	15°♈44'05	
retrograde	-5523 Sep 05 j 16:09	19°♈03'47	
opposition	-5523 Nov 18 j 02:54	17°♈01'19	-0°17'26
min. Earth dist.	-5523 Nov 19 j 06:18	16°♈58'19	17.50711 AU
direct	-5522 Feb 01 j 20:06	14°♈55'29	
evening set	-5522 May 08 j 08:14	18°♈21'34	
max. Earth dist.	-5522 May 23 j 17:59	19°♈18'13	19.48075 AU
conjunction	-5522 May 25 j 02:39	19°♈23'16	-0°13'35
minimum elong	-5522 May 25 j 02:38	19°♈23'16	0°13'29
behind sun begin	-5522 May 24 j 23:00	19°♈22'43	
behind sun end	-5522 May 25 j 06:17	19°♈23'49	
morning rise	-5522 Jun 10 j 18:02	20°♈24'34	
retrograde	-5522 Sep 10 j 16:37	23°♈44'48	
opposition	-5522 Nov 22 j 23:36	21°♈42'20	-0°12'48
min. Earth dist.	-5522 Nov 24 j 02:34	21°♈39'23	17.45619 AU
direct	-5521 Feb 06 j 20:22	19°♈36'18	
evening set	-5521 May 13 j 12:21	23°♈03'33	
max. Earth dist.	-5521 May 28 j 21:30	24°♈00'20	19.43214 AU
conjunction	-5521 May 30 j 06:10	24°♈05'24	-0°09'23
minimum elong	-5521 May 30 j 06:10	24°♈05'24	0°09'17
behind sun begin	-5521 May 30 j 00:30	24°♈04'32	
behind sun end	-5521 May 30 j 11:50	24°♈06'15	
morning rise	-5521 Jun 15 j 20:28	25°♈06'48	
retrograde	-5521 Sep 15 j 14:56	28°♈27'31	
opposition	-5521 Nov 27 j 21:17	26°♈25'07	-0°08'03
min. Earth dist.	-5521 Nov 29 j 01:43	26°♈22'00	17.40997 AU
direct	-5520 Feb 11 j 18:51	24°♈18'53	
evening set	-5520 May 17 j 17:07	27°♈47'14	
max. Earth dist.	-5520 Jun 02 j 00:18	28°♈43'56	19.38827 AU
conjunction	-5520 Jun 03 j 09:59	28°♈49'12	-0°05'06
minimum elong	-5520 Jun 03 j 09:59	28°♈49'12	0°04'57
behind sun begin	-5520 Jun 03 j 03:25	28°♈48'12	
behind sun end	-5520 Jun 03 j 16:34	28°♈50'12	
morning rise	-5520 Jun 19 j 23:24	29°♈50'41	
	-5520 Jun 22 j 12:57	0°♉	
retrograde	-5520 Sep 19 j 16:28	3°♉11'52	
opposition	-5520 Dec 01 j 19:51	1°♉09'30	-0°03'13
min. Earth dist.	-5520 Dec 02 j 23:49	1°♉06'26	17.36839 AU
	-5520 Dec 29 j 20:36	30°℞♈	
direct	-5519 Feb 15 j 20:42	29°♈03'07	
	-5519 Apr 03 j 20:55	0°♉	
evening set	-5519 May 22 j 22:00	2°♉32'26	
max. Earth dist.	-5519 Jun 07 j 05:09	3°♉29'21	19.34881 AU
conjunction	-5519 Jun 08 j 14:06	3°♉34'30	-0°00'41
minimum elong	-5519 Jun 08 j 14:06	3°♉34'30	0°00'32
behind sun begin	-5519 Jun 08 j 07:22	3°♉33'29	
behind sun end	-5519 Jun 08 j 20:50	3°♉35'32	
morning rise	-5519 Jun 25 j 02:14	4°♉36'02	
asc. node	-5519 Aug 04 j 13:18	6°♉46'56	
retrograde	-5519 Sep 24 j 15:49	7°♉57'39	
opposition	-5519 Dec 06 j 19:25	5°♉55'20	0°01'40
min. Earth dist.	-5519 Dec 08 j 00:23	5°♉52'09	17.33122 AU
direct	-5518 Feb 20 j 21:11	3°♉48'49	
evening set	-5518 May 28 j 03:26	7°♉19'01	
max. Earth dist.	-5518 Jun 12 j 08:22	8°♉15'47	19.31391 AU
conjunction	-5518 Jun 13 j 18:23	8°♉21'08	0°03'48
minimum elong	-5518 Jun 13 j 18:24	8°♉21'08	0°03'58
behind sun begin	-5518 Jun 13 j 11:44	8°♉20'06	
behind sun end	-5518 Jun 14 j 01:03	8°♉22'09	
morning rise	-5518 Jun 30 j 05:32	9°♉22'42	
retrograde	-5518 Sep 29 j 17:27	12°♉44'40	
opposition	-5518 Dec 11 j 19:27	10°♉42'22	0°06'34
min. Earth dist.	-5518 Dec 12 j 23:56	10°♉39'15	17.29861 AU
direct	-5517 Feb 26 j 00:42	8°♉35'44	
evening set	-5517 Jun 02 j 08:57	12°♉06'41	

Attention, astronomical year style is used: The year -5517 in astronomical counting style is the year 5518 BCE in historical counting style.

conjunction	-5517 Jun	18 j 23:01	13°♉08'50	0°08'09
minimum elong	-5517 Jun	18 j 23:01	13°♉08'50	0°08'21
behind sun begin	-5517 Jun	18 j 17:06	13°♉07'55	
behind sun end	-5517 Jun	19 j 04:56	13°♉09'44	
max. Earth dist.	-5517 Jun	17 j 14:12	13°♉03'40	19.28350 AU
morning rise	-5517 Jul	05 j 08:47	14°♉10'24	
	-5517 Jul	19 j 04:58	15°♉	
retrograde	-5517 Oct	04 j 17:08	17°♉32'40	
opposition	-5517 Dec	16 j 20:27	15°♉30'23	0°11'26
min. Earth dist.	-5517 Dec	18 j 01:20	15°♉27'14	17.27050 AU
	-5517 Dec	28 j 13:07	15°℞♉	
direct	-5516 Mar	02 j 03:40	13°♉23'39	
	-5516 May	03 j 06:28	15°♉	
evening set	-5516 Jun	06 j 14:38	16°♉55'13	
max. Earth dist.	-5516 Jun	21 j 17:50	17°♉52'04	19.25785 AU
conjunction	-5516 Jun	23 j 03:23	17°♉57'21	0°12'28
minimum elong	-5516 Jun	23 j 03:22	17°♉57'21	0°12'41
behind sun begin	-5516 Jun	22 j 23:10	17°♉56'42	
behind sun end	-5516 Jun	23 j 07:35	17°♉58'00	
morning rise	-5516 Jul	09 j 12:01	18°♉58'54	
retrograde	-5516 Oct	08 j 18:10	22°♉21'25	
opposition	-5516 Dec	20 j 21:58	20°♉19'08	0°16'14
min. Earth dist.	-5516 Dec	22 j 02:11	20°♉16'03	17.24745 AU
direct	-5515 Mar	07 j 08:47	18°♉12'18	
evening set	-5515 Jun	11 j 20:04	21°♉44'21	
max. Earth dist.	-5515 Jun	27 j 00:07	22°♉41'27	19.23741 AU
conjunction	-5515 Jun	28 j 07:47	22°♉46'28	0°16'42
minimum elong	-5515 Jun	28 j 07:47	22°♉46'28	0°16'57
morning rise	-5515 Jul	14 j 15:00	23°♉47'57	
retrograde	-5515 Oct	13 j 18:29	27°♉10'38	
opposition	-5515 Dec	26 j 00:03	25°♉08'22	0°20'55
min. Earth dist.	-5515 Dec	27 j 03:47	25°♉05'20	17.22971 AU
direct	-5514 Mar	12 j 13:52	23°♉01'28	
evening set	-5514 Jun	17 j 01:23	26°♉33'51	
max. Earth dist.	-5514 Jul	02 j 04:03	27°♉30'52	19.22258 AU
conjunction	-5514 Jul	03 j 11:43	27°♉35'53	0°20'50
minimum elong	-5514 Jul	03 j 11:43	27°♉35'53	0°21'06
morning rise	-5514 Jul	19 j 17:47	28°♉37'19	
	-5514 Aug	12 j 07:43	0°♊	
retrograde	-5514 Oct	18 j 19:03	2°♊00'07	
	-5514 Dec	30 j 06:35	30°℞♉	
opposition	-5514 Dec	31 j 02:33	29°♉57'50	0°25'27
min. Earth dist.	-5513 Jan	01 j 05:32	29°♉54'53	17.21790 AU
direct	-5513 Mar	17 j 19:15	27°♉50'52	
	-5513 May	29 j 10:58	0°♊	
evening set	-5513 Jun	22 j 06:22	1°♊23'29	
max. Earth dist.	-5513 Jul	07 j 10:08	2°♊20'45	19.21383 AU
conjunction	-5513 Jul	08 j 15:31	2°♊25'25	0°24'49
minimum elong	-5513 Jul	08 j 15:31	2°♊25'25	0°25'05
morning rise	-5513 Jul	24 j 20:10	3°♊26'44	
retrograde	-5513 Oct	23 j 20:16	6°♊49'34	
opposition	-5512 Jan	05 j 05:25	4°♊47'18	0°29'48
min. Earth dist.	-5512 Jan	06 j 06:59	4°♊44'31	17.21226 AU
direct	-5512 Mar	22 j 01:07	2°♊40'21	
evening set	-5512 Jun	26 j 11:05	6°♊13'02	
conjunction	-5512 Jul	12 j 18:47	7°♊14'50	0°28'37
minimum elong	-5512 Jul	12 j 18:47	7°♊14'50	0°28'55
max. Earth dist.	-5512 Jul	11 j 14:20	7°♊10'19	19.21156 AU
morning rise	-5512 Jul	28 j 22:10	8°♊16'02	
retrograde	-5512 Oct	27 j 20:51	11°♊38'52	
opposition	-5511 Jan	09 j 08:47	9°♊36'37	0°33'57
min. Earth dist.	-5511 Jan	10 j 09:20	9°♊33'57	17.21354 AU
direct	-5511 Mar	27 j 05:38	7°♊29'41	
evening set	-5511 Jul	01 j 15:05	11°♊02'19	
conjunction	-5511 Jul	17 j 21:30	12°♊03'59	0°32'13
minimum elong	-5511 Jul	17 j 21:30	12°♊03'59	0°32'31
max. Earth dist.	-5511 Jul	16 j 19:33	11°♊59'51	19.21638 AU
morning rise	-5511 Aug	02 j 23:33	13°♊05'01	
retrograde	-5511 Nov	01 j 22:52	16°♊27'48	
opposition	-5510 Jan	14 j 12:17	14°♊25'36	0°37'51
min. Earth dist.	-5510 Jan	15 j 10:28	14°♊23'12	17.22182 AU
direct	-5510 Apr	01 j 11:19	12°♊18'47	
evening set	-5510 Jul	06 j 18:47	15°♊51'14	
conjunction	-5510 Jul	22 j 23:49	16°♊52'43	0°35'36
minimum elong	-5510 Jul	22 j 23:48	16°♊52'43	0°35'54
max. Earth dist.	-5510 Jul	21 j 23:38	16°♊48'52	19.22828 AU
morning rise	-5510 Aug	08 j 00:33	17°♊53'35	
retrograde	-5510 Nov	06 j 23:14	21°♊16'16	
opposition	-5509 Jan	19 j 15:53	19°♊14'10	0°41'29
min. Earth dist.	-5509 Jan	20 j 13:03	19°♊11'53	17.23737 AU
direct	-5509 Apr	06 j 15:22	17°♊07'31	
evening set	-5509 Jul	11 j 21:56	20°♊39'41	
max. Earth dist.	-5509 Jul	27 j 03:40	21°♊37'28	19.24743 AU
conjunction	-5509 Jul	28 j 01:35	21°♊40'57	0°38'43
minimum elong	-5509 Jul	28 j 01:35	21°♊40'57	0°39'02
morning rise	-5509 Aug	13 j 01:07	22°♊41'37	
retrograde	-5509 Nov	12 j 01:03	26°♊04'10	
opposition	-5508 Jan	24 j 19:44	24°♊02'12	0°44'50
min. Earth dist.	-5508 Jan	25 j 14:00	24°♊00'14	17.25982 AU
direct	-5508 Apr	10 j 21:17	21°♊55'48	
evening set	-5508 Jul	16 j 00:21	25°♊27'32	
max. Earth dist.	-5508 Jul	31 j 07:22	26°♊25'31	19.27323 AU
conjunction	-5508 Aug	01 j 02:42	26°♊28'36	0°41'35
minimum elong	-5508 Aug	01 j 02:41	26°♊28'36	0°41'54
morning rise	-5508 Aug	17 j 00:55	27°♊29'03	
	-5508 Oct	03 j 21:41	0°♋	
retrograde	-5508 Nov	16 j 00:54	0°♋51'25	
	-5508 Dec	30 j 20:31	30°℞♊	
opposition	-5507 Jan	28 j 23:50	28°♊49'36	0°47'51
min. Earth dist.	-5507 Jan	29 j 17:02	28°♊47'45	17.28883 AU
direct	-5507 Apr	16 j 01:24	26°♊43'29	
	-5507 Jul	17 j 02:52	0°♋	
evening set	-5507 Jul	21 j 02:14	0°♋14'42	
max. Earth dist.	-5507 Aug	05 j 09:45	1°♋12'43	19.30534 AU
conjunction	-5507 Aug	06 j 03:10	1°♋15'29	0°44'09
minimum elong	-5507 Aug	06 j 03:10	1°♋15'29	0°44'29
morning rise	-5507 Aug	22 j 00:21	2°♋15'43	
retrograde	-5507 Nov	21 j 02:04	5°♋37'52	
opposition	-5506 Feb	03 j 03:38	3°♋36'11	0°50'32
min. Earth dist.	-5506 Feb	03 j 17:47	3°♋34'41	17.32370 AU
direct	-5506 Apr	21 j 07:32	1°♋30'24	
evening set	-5506 Jul	26 j 03:19	5°♋00'57	
conjunction	-5506 Aug	11 j 03:06	6°♋01'29	0°46'24
minimum elong	-5506 Aug	11 j 03:06	6°♋01'29	0°46'43
max. Earth dist.	-5506 Aug	10 j 12:38	5°♋59'12	19.34286 AU
morning rise	-5506 Aug	26 j 23:03	7°♋01'29	
retrograde	-5506 Nov	26 j 01:00	10°♋23'20	
opposition	-5505 Feb	08 j 07:39	8°♋21'49	0°52'52
min. Earth dist.	-5505 Feb	08 j 20:47	8°♋20'25	17.36370 AU
direct	-5505 Apr	26 j 11:45	6°♋16'22	
evening set	-5505 Jul	31 j 03:46	9°♋46'09	
conjunction	-5505 Aug	16 j 02:08	10°♋46'24	0°48'19

Attention, astronomical year style is used: The year -5505 in astronomical counting style is the year 5506 BCE in historical counting style.

minimum elong	-5505 Aug 16 j 02:08	10°♋46'24	0°48'39
max. Earth dist.	-5505 Aug 15 j 13:09	10°♋44'20	19.38523 AU
morning rise	-5505 Aug 31 j 21:10	11°♋46'08	
retrograde	-5505 Dec 01 j 01:09	15°♋07'40	
opposition	-5504 Feb 13 j 11:21	13°♋06'17	0°54'49
min. Earth dist.	-5504 Feb 13 j 21:23	13°♋05'14	17.40821 AU
direct	-5504 Apr 30 j 17:17	11°♋01'11	
evening set	-5504 Aug 04 j 03:17	14°♋30'04	
conjunction	-5504 Aug 20 j 00:36	15°♋30'02	0°49'55
minimum elong	-5504 Aug 20 j 00:36	15°♋30'02	0°50'14
max. Earth dist.	-5504 Aug 19 j 14:52	15°♋28'29	19.43177 AU
morning rise	-5504 Sep 04 j 18:29	16°♋29'30	
retrograde	-5504 Dec 04 j 23:23	19°♋50'38	
opposition	-5503 Feb 17 j 14:59	17°♋49'24	0°56'23
min. Earth dist.	-5503 Feb 17 j 23:45	17°♋48'28	17.45667 AU
direct	-5503 May 05 j 20:55	15°♋44'38	
evening set	-5503 Aug 09 j 01:55	19°♋12'32	
conjunction	-5503 Aug 24 j 21:58	20°♋12'11	0°51'09
minimum elong	-5503 Aug 24 j 21:58	20°♋12'11	0°51'28
max. Earth dist.	-5503 Aug 24 j 13:30	20°♋10'50	19.48208 AU
morning rise	-5503 Sep 09 j 15:09	21°♋11'23	
retrograde	-5503 Dec 09 j 22:15	24°♋32'05	
opposition	-5502 Feb 22 j 18:02	22°♋30'57	0°57'33
min. Earth dist.	-5502 Feb 22 j 23:47	22°♋30'21	17.50862 AU
direct	-5502 May 11 j 00:59	20°♋26'32	
evening set	-5502 Aug 13 j 23:32	23°♋53'20	
conjunction	-5502 Aug 29 j 18:42	24°♋52'41	0°52'03
minimum elong	-5502 Aug 29 j 18:42	24°♋52'41	0°52'21
max. Earth dist.	-5502 Aug 29 j 13:35	24°♋51'52	19.53558 AU
morning rise	-5502 Sep 14 j 10:54	25°♋51'36	
retrograde	-5502 Dec 14 j 19:13	29°♋11'48	
opposition	-5501 Feb 27 j 20:37	27°♋10'47	0°58'20
min. Earth dist.	-5501 Feb 28 j 00:51	27°♋10'20	17.56357 AU
direct	-5501 May 16 j 03:23	25°♋06'42	
evening set	-5501 Aug 18 j 20:18	28°♋32'20	
conjunction	-5501 Sep 03 j 14:18	29°♋31'21	0°52'35
minimum elong	-5501 Sep 03 j 14:18	29°♋31'21	0°52'52
max. Earth dist.	-5501 Sep 03 j 10:30	29°♋30'45	19.59212 AU
	-5501 Sep 11 j 04:37	0°♌	
morning rise	-5501 Sep 19 j 05:59	0°♌30'00	
retrograde	-5501 Dec 19 j 16:52	3°♌49'41	
opposition	-5500 Mar 03 j 22:43	1°♌48'42	0°58'44
min. Earth dist.	-5500 Mar 04 j 00:06	1°♌48'34	17.62160 AU
	-5500 Apr 25 j 18:51	30°℞♋	
direct	-5500 May 20 j 05:29	29°♋44'58	
	-5500 Jun 13 j 04:52	0°♌	
evening set	-5500 Aug 22 j 15:40	3°♌09'21	
conjunction	-5500 Sep 07 j 08:57	4°♌08'03	0°52'47
minimum elong	-5500 Sep 07 j 08:57	4°♌08'03	0°53'04
max. Earth dist.	-5500 Sep 07 j 08:47	4°♌08'01	19.65161 AU
morning rise	-5500 Sep 22 j 23:52	5°♌06'25	
retrograde	-5500 Dec 23 j 12:47	8°♌25'31	
opposition	-5499 Mar 09 j 00:14	6°♌24'37	0°58'44
min. Earth dist.	-5499 Mar 08 j 23:32	6°♌24'42	17.68246 AU
direct	-5499 May 25 j 06:08	4°♌21'14	
evening set	-5499 Aug 27 j 10:13	7°♌44'17	
conjunction	-5499 Sep 12 j 02:32	8°♌42'39	0°52'38
minimum elong	-5499 Sep 12 j 02:32	8°♌42'39	0°52'54
max. Earth dist.	-5499 Sep 12 j 03:53	8°♌42'52	19.71400 AU
morning rise	-5499 Sep 27 j 17:06	9°♌40'45	
retrograde	-5499 Dec 28 j 08:57	12°♌59'16	
opposition	-5498 Mar 14 j 00:49	10°♌58'25	0°58'23
min. Earth dist.	-5498 Mar 13 j 21:30	10°♌58'45	17.74641 AU
direct	-5498 May 30 j 06:03	8°♌55'22	
evening set	-5498 Sep 01 j 03:33	12°♌17'06	
conjunction	-5498 Sep 16 j 19:17	13°♌15'09	0°52'10
minimum elong	-5498 Sep 16 j 19:18	13°♌15'09	0°52'25
max. Earth dist.	-5498 Sep 17 j 00:14	13°♌15'55	19.77940 AU
morning rise	-5498 Oct 02 j 09:16	14°♌12'58	
	-5498 Oct 15 j 15:55	15°♌	
retrograde	-5497 Jan 02 j 04:04	17°♌30'51	
opposition	-5497 Mar 19 j 00:49	15°♌30'06	0°57'39
min. Earth dist.	-5497 Mar 18 j 18:55	15°♌30'42	17.81320 AU
	-5497 Mar 31 j 05:57	15°℞♌	
direct	-5497 Jun 04 j 05:10	13°♌27'27	
	-5497 Aug 04 j 05:00	15°♌	
evening set	-5497 Sep 05 j 19:55	16°♌47'48	
conjunction	-5497 Sep 21 j 10:50	17°♌45'31	0°51'23
minimum elong	-5497 Sep 21 j 10:50	17°♌45'31	0°51'37
max. Earth dist.	-5497 Sep 21 j 17:31	17°♌46'34	19.84766 AU
morning rise	-5497 Oct 07 j 00:36	18°♌43'04	
retrograde	-5496 Jan 06 j 22:47	22°♌00'22	
opposition	-5496 Mar 23 j 00:10	19°♌59'41	0°56'35
min. Earth dist.	-5496 Mar 22 j 15:49	20°♌00'33	17.88294 AU
direct	-5496 Jun 08 j 03:02	17°♌57'28	
evening set	-5496 Sep 09 j 11:13	21°♌16'26	
conjunction	-5496 Sep 25 j 01:45	22°♌13'52	0°50'18
minimum elong	-5496 Sep 25 j 01:45	22°♌13'52	0°50'30
max. Earth dist.	-5496 Sep 25 j 11:50	22°♌15'26	19.91869 AU
morning rise	-5496 Oct 10 j 15:08	23°♌11'09	
retrograde	-5495 Jan 10 j 17:16	26°♌27'50	
opposition	-5495 Mar 27 j 22:33	24°♌27'17	0°55'11
min. Earth dist.	-5495 Mar 27 j 11:24	24°♌28'26	17.95504 AU
direct	-5495 Jun 13 j 00:53	22°♌25'31	
evening set	-5495 Sep 14 j 01:37	25°♌43'06	
conjunction	-5495 Sep 29 j 15:35	26°♌40'14	0°48'55
minimum elong	-5495 Sep 29 j 15:35	26°♌40'14	0°49'08
max. Earth dist.	-5495 Sep 30 j 03:22	26°♌42'02	19.99179 AU
morning rise	-5495 Oct 15 j 04:59	27°♌37'16	
	-5495 Nov 30 j 21:25	0°♍	
retrograde	-5494 Jan 15 j 09:59	0°♍53'20	
	-5494 Mar 03 j 23:20	30°℞♌	
opposition	-5494 Apr 01 j 20:17	28°♌52'56	0°53'28
min. Earth dist.	-5494 Apr 01 j 07:18	28°♌54'16	18.02901 AU
direct	-5494 Jun 17 j 20:43	26°♌51'39	
	-5494 Sep 16 j 10:22	0°♍	
evening set	-5494 Sep 18 j 15:02	0°♍07'51	
conjunction	-5494 Oct 04 j 04:44	1°♍04'41	0°47'15
minimum elong	-5494 Oct 04 j 04:45	1°♍04'41	0°47'26
max. Earth dist.	-5494 Oct 04 j 19:29	1°♍06'56	20.06636 AU
morning rise	-5494 Oct 19 j 17:57	2°♍01'27	
retrograde	-5493 Jan 20 j 03:35	5°♍16'56	
opposition	-5493 Apr 06 j 17:08	3°♍16'40	0°51'27
min. Earth dist.	-5493 Apr 06 j 01:23	3°♍18'17	18.10389 AU
direct	-5493 Jun 22 j 17:10	1°♍15'53	
evening set	-5493 Sep 23 j 03:45	4°♍30'42	
conjunction	-5493 Oct 08 j 17:03	5°♍27'15	0°45'20
minimum elong	-5493 Oct 08 j 17:03	5°♍27'15	0°45'30
max. Earth dist.	-5493 Oct 09 j 09:25	5°♍29'45	20.14149 AU
morning rise	-5493 Oct 24 j 06:23	6°♍23'48	
retrograde	-5492 Jan 24 j 18:17	9°♍38'41	
opposition	-5492 Apr 10 j 13:26	7°♍38'34	0°49'09

Attention, astronomical year style is used: The year -5492 in astronomical counting style is the year 5493 BCE in historical counting style.

min. Earth dist.	-5492 Apr 09 j 20:25	7°♑40'18	18.17917 AU
direct	-5492 Jun 26 j 10:51	5°♑38'14	
evening set	-5492 Sep 26 j 15:27	8°♑51'42	
conjunction	-5492 Oct 12 j 04:40	9°♑47'58	0°43'09
minimum elong	-5492 Oct 12 j 04:41	9°♑47'58	0°43'17
max. Earth dist.	-5492 Oct 12 j 23:30	9°♑50'49	20.21659 AU
morning rise	-5492 Oct 27 j 18:03	10°♑44'16	
retrograde	-5491 Jan 28 j 10:35	13°♑58'33	
opposition	-5491 Apr 15 j 08:46	11°♑58'35	0°46'34
min. Earth dist.	-5491 Apr 14 j 13:10	12°♑00'34	18.25383 AU
direct	-5491 Jul 01 j 05:46	9°♑58'42	
evening set	-5491 Oct 01 j 02:38	13°♑10'48	
conjunction	-5491 Oct 16 j 15:39	14°♑06'49	0°40'45
minimum elong	-5491 Oct 16 j 15:39	14°♑06'49	0°40'51
max. Earth dist.	-5491 Oct 17 j 11:47	14°♑09'52	20.29061 AU
morning rise	-5491 Nov 01 j 05:18	15°♑02'54	
retrograde	-5490 Feb 01 j 23:35	18°♑16'35	
min. Earth dist.	-5490 Apr 19 j 07:03	16°♑18'46	18.32722 AU
opposition	-5490 Apr 20 j 03:16	16°♑16'44	0°43'45
direct	-5490 Jul 05 j 21:11	14°♑17'15	
evening set	-5490 Oct 05 j 12:57	17°♑28'03	
conjunction	-5490 Oct 21 j 02:01	18°♑23'48	0°38'07
minimum elong	-5490 Oct 21 j 02:01	18°♑23'48	0°38'13
max. Earth dist.	-5490 Oct 21 j 23:58	18°♑27'06	20.36308 AU
morning rise	-5490 Nov 05 j 15:51	19°♑19'40	
retrograde	-5489 Feb 06 j 14:25	22°♑32'44	
opposition	-5489 Apr 24 j 20:58	20°♑32'59	0°40'43
min. Earth dist.	-5489 Apr 23 j 22:21	20°♑35'16	18.39857 AU
direct	-5489 Jul 10 j 14:04	18°♑33'54	
evening set	-5489 Oct 09 j 22:30	21°♑43'21	
conjunction	-5489 Oct 25 j 11:33	22°♑38'53	0°35'18
minimum elong	-5489 Oct 25 j 11:33	22°♑38'53	0°35'22
max. Earth dist.	-5489 Oct 26 j 10:41	22°♑42'21	20.43316 AU
morning rise	-5489 Nov 10 j 01:48	23°♑34'34	
retrograde	-5488 Feb 11 j 02:14	26°♑47'02	
opposition	-5488 Apr 28 j 14:02	24°♑47'19	0°37'28
min. Earth dist.	-5488 Apr 27 j 15:05	24°♑49'38	18.46747 AU
direct	-5488 Jul 14 j 03:57	22°♑48'35	
evening set	-5488 Oct 13 j 07:19	25°♑56'45	
conjunction	-5488 Oct 28 j 20:36	26°♑52'02	0°32'19
minimum elong	-5488 Oct 28 j 20:36	26°♑52'03	0°32'22
max. Earth dist.	-5488 Oct 29 j 21:08	26°♑55'42	20.50073 AU
morning rise	-5488 Nov 13 j 11:15	27°♑47'33	
	-5488 Dec 27 j 10:38	0°♎	
retrograde	-5487 Feb 14 j 15:40	0°♎59'24	
	-5487 Apr 07 j 02:44	30°℞♑	
min. Earth dist.	-5487 May 02 j 04:42	29°♑02'15	18.53360 AU
opposition	-5487 May 03 j 05:50	28°♑59'43	0°34'03
direct	-5487 Jul 18 j 18:41	27°♑01'16	
	-5487 Oct 15 j 06:43	0°♎	
evening set	-5487 Oct 17 j 15:25	0°♎08'11	
conjunction	-5487 Nov 02 j 04:53	1°♎03'17	0°29'10
minimum elong	-5487 Nov 02 j 04:53	1°♎03'17	0°29'12
max. Earth dist.	-5487 Nov 03 j 06:33	1°♎07'05	20.56541 AU
morning rise	-5487 Nov 17 j 20:05	1°♎58'37	
retrograde	-5486 Feb 19 j 02:14	5°♎09'52	
opposition	-5486 May 07 j 20:59	3°♎10'11	0°30'29
min. Earth dist.	-5486 May 06 j 19:48	3°♎12'43	18.59700 AU
direct	-5486 Jul 23 j 06:48	1°♎12'01	
evening set	-5486 Oct 21 j 22:40	4°♎17'43	

conjunction	-5486 Nov 06 j 12:27	5°♎12'36	0°25'54
minimum elong	-5486 Nov 06 j 12:27	5°♎12'36	0°25'54
max. Earth dist.	-5486 Nov 07 j 15:23	5°♎16'35	20.62753 AU
morning rise	-5486 Nov 22 j 04:09	6°♎07'46	
retrograde	-5485 Feb 23 j 14:13	9°♎18'27	
min. Earth dist.	-5485 May 11 j 07:41	7°♎21'31	18.65787 AU
opposition	-5485 May 12 j 11:06	7°♎18'46	0°26'47
direct	-5485 Jul 27 j 19:48	5°♎20'52	
evening set	-5485 Oct 26 j 05:25	8°♎25'24	
conjunction	-5485 Nov 10 j 19:29	9°♎20'07	0°22'32
minimum elong	-5485 Nov 10 j 19:29	9°♎20'07	0°22'30
max. Earth dist.	-5485 Nov 11 j 23:42	9°♎24'16	20.68717 AU
morning rise	-5485 Nov 26 j 11:50	10°♎15'09	
retrograde	-5484 Feb 27 j 23:40	13°♎25'17	
min. Earth dist.	-5484 May 14 j 21:04	11°♎28'21	18.71652 AU
opposition	-5484 May 16 j 00:30	11°♎25'36	0°22'59
direct	-5484 Jul 31 j 05:51	9°♎27'57	
evening set	-5484 Oct 29 j 11:29	12°♎31'24	
conjunction	-5484 Nov 14 j 02:02	13°♎25'57	0°19'04
minimum elong	-5484 Nov 14 j 02:02	13°♎25'57	0°19'00
max. Earth dist.	-5484 Nov 15 j 07:18	13°♎30'15	20.74474 AU
morning rise	-5484 Nov 29 j 19:02	14°♎20'52	
retrograde	-5483 Mar 03 j 10:50	17°♎30'29	
min. Earth dist.	-5483 May 19 j 07:24	15°♎33'47	18.77297 AU
opposition	-5483 May 20 j 12:53	15°♎30'50	0°19'05
direct	-5483 Aug 04 j 16:55	13°♎33'26	
evening set	-5483 Nov 02 j 17:11	16°♎35'53	
conjunction	-5483 Nov 18 j 08:09	17°♎30'18	0°15'32
minimum elong	-5483 Nov 18 j 08:09	17°♎30'18	0°15'28
behind sun begin	-5483 Nov 18 j 06:05	17°♎30'00	
behind sun end	-5483 Nov 18 j 10:13	17°♎30'36	
max. Earth dist.	-5483 Nov 19 j 14:32	17°♎34'44	20.79993 AU
morning rise	-5483 Dec 04 j 01:51	18°♎25'06	
retrograde	-5482 Mar 07 j 19:11	21°♎34'15	
min. Earth dist.	-5482 May 23 j 19:17	19°♎37'35	18.82705 AU
opposition	-5482 May 25 j 00:32	19°♎34'39	0°15'07
direct	-5482 Aug 09 j 00:51	17°♎37'32	
evening set	-5482 Nov 06 j 22:22	20°♎39'04	
conjunction	-5482 Nov 22 j 13:55	21°♎33'21	0°11'57
minimum elong	-5482 Nov 22 j 13:55	21°♎33'21	0°11'50
behind sun begin	-5482 Nov 22 j 09:17	21°♎32'41	
behind sun end	-5482 Nov 22 j 18:33	21°♎34'00	
max. Earth dist.	-5482 Nov 23 j 21:00	21°♎37'52	20.85284 AU
morning rise	-5482 Dec 08 j 08:22	22°♎28'03	
retrograde	-5481 Mar 12 j 05:51	25°♎36'47	
min. Earth dist.	-5481 May 28 j 04:32	23°♎40'20	18.87860 AU
opposition	-5481 May 29 j 11:30	23°♎37'15	0°11'07
direct	-5481 Aug 13 j 10:19	21°♎40'24	
evening set	-5481 Nov 11 j 03:10	24°♎41'05	
conjunction	-5481 Nov 26 j 19:16	25°♎35'16	0°08'19
minimum elong	-5481 Nov 26 j 19:16	25°♎35'16	0°08'13
behind sun begin	-5481 Nov 26 j 13:27	25°♎34'26	
behind sun end	-5481 Nov 27 j 01:06	25°♎36'05	
max. Earth dist.	-5481 Nov 28 j 03:18	25°♎39'54	20.90285 AU
morning rise	-5481 Dec 12 j 14:33	26°♎29'54	
retrograde	-5480 Mar 15 j 13:55	29°♎38'15	
opposition	-5480 Jun 01 j 21:56	27°♎38'48	0°07'03
min. Earth dist.	-5480 May 31 j 15:33	27°♎41'50	18.92708 AU
direct	-5480 Aug 16 j 16:41	25°♎42'14	
evening set	-5480 Nov 14 j 07:46	28°♎42'07	
conjunction	-5480 Nov 30 j 00:35	29°♎36'13	0°04'40

Attention, astronomical year style is used: The year -5480 in astronomical counting style is the year 5481 BCE in historical counting style.

minimum elong	-5480 Nov 30 j 00:35	29°♎36'13	0°04'31
behind sun begin	-5480 Nov 29 j 18:09	29°♎35'19	
behind sun end	-5480 Nov 30 j 07:01	29°♎37'07	
max. Earth dist.	-5480 Dec 01 j 08:51	29°♎40'53	20.94969 AU
	-5480 Dec 06 j 20:57	0°♏	
morning rise	-5480 Dec 15 j 20:42	0°♏30'48	
retrograde	-5479 Mar 19 j 23:55	3°♏38'48	
min. Earth dist.	-5479 Jun 04 j 23:58	1°♏42'35	18.97204 AU
opposition	-5479 Jun 06 j 07:26	1°♏39'26	0°02'59
	-5479 Jul 25 j 21:41	30°℞♎	
direct	-5479 Aug 21 j 00:55	29°♎43'06	
	-5479 Sep 15 j 16:41	0°♏	
evening set	-5479 Nov 18 j 12:16	2°♏42'19	
conjunction	-5479 Dec 04 j 05:44	3°♏36'21	0°00'56
minimum elong	-5479 Dec 04 j 05:43	3°♏36'21	0°00'47
behind sun begin	-5479 Dec 03 j 23:09	3°♏35'26	
behind sun end	-5479 Dec 04 j 12:16	3°♏37'16	
max. Earth dist.	-5479 Dec 05 j 14:27	3°♏41'04	20.99252 AU
morning rise	-5479 Dec 20 j 02:41	4°♏30'53	
desc. node	-5478 Mar 06 j 08:50	7°♏30'44	
retrograde	-5478 Mar 24 j 07:59	7°♏38'35	
min. Earth dist.	-5478 Jun 09 j 10:12	5°♏42'20	19.01277 AU
opposition	-5478 Jun 10 j 16:38	5°♏39'18	-0°01'05
direct	-5478 Aug 25 j 06:28	3°♏43'12	
evening set	-5478 Nov 22 j 16:25	6°♏41'47	
conjunction	-5478 Dec 08 j 10:38	7°♏35'46	-0°02'50
minimum elong	-5478 Dec 08 j 10:37	7°♏35'46	0°03'01
behind sun begin	-5478 Dec 08 j 04:05	7°♏34'51	
behind sun end	-5478 Dec 08 j 17:10	7°♏36'41	
max. Earth dist.	-5478 Dec 09 j 19:06	7°♏40'26	21.03100 AU
morning rise	-5478 Dec 24 j 08:29	8°♏30'16	
retrograde	-5477 Mar 28 j 17:19	11°♏37'42	
min. Earth dist.	-5477 Jun 13 j 18:08	9°♏41'35	19.04880 AU
opposition	-5477 Jun 15 j 01:14	9°♏38'28	-0°05'08
direct	-5477 Aug 29 j 13:31	7°♏42'34	
evening set	-5477 Nov 26 j 20:44	10°♏40'36	
conjunction	-5477 Dec 12 j 15:41	11°♏34'32	-0°06'29
minimum elong	-5477 Dec 12 j 15:41	11°♏34'32	0°06'40
behind sun begin	-5477 Dec 12 j 09:31	11°♏33'41	
behind sun end	-5477 Dec 12 j 21:51	11°♏35'24	
max. Earth dist.	-5477 Dec 14 j 00:09	11°♏39'12	21.06433 AU
morning rise	-5477 Dec 28 j 14:28	12°♏29'02	
	-5476 Feb 21 j 23:44	15°♏	
retrograde	-5476 Apr 01 j 01:00	15°♏36'13	
	-5476 May 11 j 00:56	15°℞♏	
min. Earth dist.	-5476 Jun 17 j 03:44	13°♏39'59	19.07946 AU
opposition	-5476 Jun 18 j 09:23	13°♏37'01	-0°09'10
direct	-5476 Sep 01 j 19:02	11°♏41'15	
evening set	-5476 Nov 30 j 00:56	14°♏38'47	
	-5476 Dec 06 j 07:36	15°♏	
conjunction	-5476 Dec 15 j 20:45	15°♏32'43	-0°10'05
minimum elong	-5476 Dec 15 j 20:45	15°♏32'43	0°10'17
behind sun begin	-5476 Dec 15 j 15:31	15°♏31'59	
behind sun end	-5476 Dec 16 j 02:00	15°♏33'27	
max. Earth dist.	-5476 Dec 17 j 04:20	15°♏37'14	21.09223 AU
morning rise	-5476 Dec 31 j 20:30	16°♏27'12	
retrograde	-5475 Apr 05 j 10:04	19°♏34'10	
min. Earth dist.	-5475 Jun 21 j 11:08	17°♏37'57	19.10441 AU
opposition	-5475 Jun 22 j 17:00	17°♏34'58	-0°13'07
direct	-5475 Sep 06 j 00:51	15°♏39'16	
evening set	-5475 Dec 04 j 05:06	18°♏36'23	
conjunction	-5475 Dec 20 j 01:45	19°♏30'19	-0°13'37
minimum elong	-5475 Dec 20 j 01:44	19°♏30'19	0°13'51
behind sun begin	-5475 Dec 19 j 22:16	19°♏29'50	
behind sun end	-5475 Dec 20 j 05:13	19°♏30'48	
max. Earth dist.	-5475 Dec 21 j 08:55	19°♏34'46	21.11413 AU
morning rise	-5474 Jan 05 j 02:25	20°♏24'49	
retrograde	-5474 Apr 09 j 16:29	23°♏31'34	
min. Earth dist.	-5474 Jun 25 j 19:56	21°♏35'10	19.12341 AU
opposition	-5474 Jun 27 j 00:12	21°♏32'20	-0°17'01
direct	-5474 Sep 10 j 06:25	19°♏36'40	
evening set	-5474 Dec 08 j 09:11	22°♏33'25	
conjunction	-5474 Dec 24 j 06:45	23°♏27'21	-0°17'05
minimum elong	-5474 Dec 24 j 06:45	23°♏27'21	0°17'20
max. Earth dist.	-5474 Dec 25 j 12:53	23°♏31'39	21.13043 AU
morning rise	-5473 Jan 09 j 08:26	24°♏21'53	
retrograde	-5473 Apr 14 j 01:21	27°♏28'27	
min. Earth dist.	-5473 Jun 30 j 02:36	25°♏31'59	19.13695 AU
opposition	-5473 Jul 01 j 06:53	25°♏29'09	-0°20'48
direct	-5473 Sep 14 j 11:39	23°♏33'27	
evening set	-5473 Dec 12 j 13:15	26°♏29'54	
conjunction	-5473 Dec 28 j 11:44	27°♏23'52	-0°20'28
minimum elong	-5473 Dec 28 j 11:44	27°♏23'52	0°20'45
max. Earth dist.	-5473 Dec 29 j 17:30	27°♏28'06	21.14127 AU
morning rise	-5472 Jan 13 j 14:26	28°♏18'27	
	-5472 Feb 16 j 05:06	0°♐	
retrograde	-5472 Apr 17 j 07:02	1°♐24'51	
	-5472 Jun 19 j 23:54	30°℞♏	
min. Earth dist.	-5472 Jul 03 j 10:36	29°♏28'08	19.14526 AU
opposition	-5472 Jul 04 j 13:14	29°♏25'28	-0°24'29
direct	-5472 Sep 17 j 16:17	27°♏29'43	
	-5472 Dec 07 j 18:57	0°♐	
evening set	-5472 Dec 15 j 17:29	0°♐25'57	
conjunction	-5472 Dec 31 j 16:55	1°♐19'58	-0°23'45
minimum elong	-5472 Dec 31 j 16:55	1°♐19'58	0°24'01
max. Earth dist.	-5471 Jan 01 j 21:33	1°♐24'02	21.14728 AU
morning rise	-5471 Jan 16 j 20:38	2°♐14'36	
retrograde	-5471 Apr 21 j 15:36	5°♐20'53	
opposition	-5471 Jul 08 j 18:57	3°♐21'25	-0°28'03
min. Earth dist.	-5471 Jul 07 j 16:27	3°♐24'04	19.14898 AU
direct	-5471 Sep 21 j 21:18	1°♐25'35	
evening set	-5471 Dec 19 j 21:49	4°♐21'42	
conjunction	-5470 Jan 04 j 22:11	5°♐15'47	-0°26'55
minimum elong	-5470 Jan 04 j 22:11	5°♐15'47	0°27'12
max. Earth dist.	-5470 Jan 06 j 02:22	5°♐19'47	21.14870 AU
morning rise	-5470 Jan 21 j 02:51	6°♐10'29	
retrograde	-5470 Apr 25 j 20:59	9°♐16'42	
min. Earth dist.	-5470 Jul 11 j 23:43	7°♐19'40	19.14833 AU
opposition	-5470 Jul 13 j 00:36	7°♐17'10	-0°31'28
direct	-5470 Sep 26 j 00:33	5°♐21'16	
evening set	-5470 Dec 24 j 02:09	8°♐17'19	
conjunction	-5469 Jan 09 j 03:31	9°♐11'30	-0°29'57
minimum elong	-5469 Jan 09 j 03:31	9°♐11'30	0°30'14
max. Earth dist.	-5469 Jan 10 j 06:31	9°♐15'19	21.14611 AU
morning rise	-5469 Jan 25 j 09:14	10°♐06'17	
retrograde	-5469 Apr 30 j 05:35	13°♐12'30	
min. Earth dist.	-5469 Jul 16 j 05:21	11°♐15'22	19.14371 AU
opposition	-5469 Jul 17 j 05:58	11°♐12'53	-0°34'45
direct	-5469 Sep 30 j 05:28	9°♐16'54	
evening set	-5469 Dec 28 j 06:57	12°♐13'01	
conjunction	-5468 Jan 13 j 09:20	13°♐07'18	-0°32'51
minimum elong	-5468 Jan 13 j 09:20	13°♐07'18	0°33'08
max. Earth dist.	-5468 Jan 14 j 11:42	13°♐11'02	21.13942 AU

Attention, astronomical year style is used: The year -5468 in astronomical counting style is the year 5469 BCE in historical counting style.

morning rise	-5468 Jan 29 j 16:01	14°♐02'12	
retrograde	-5468 May 03 j 11:27	17°♐08'27	
opposition	-5468 Jul 20 j 11:08	15°♐08'48	-0°37'52
min. Earth dist.	-5468 Jul 19 j 12:19	15°♐11'06	19.13504 AU
direct	-5468 Oct 03 j 08:13	13°♐12'44	
evening set	-5468 Dec 31 j 12:06	16°♐09'00	
conjunction	-5467 Jan 16 j 15:31	17°♐03'24	-0°35'36
minimum elong	-5467 Jan 16 j 15:31	17°♐03'24	0°35'55
max. Earth dist.	-5467 Jan 17 j 16:17	17°♐06'55	21.12886 AU
morning rise	-5467 Feb 01 j 23:14	17°♐58'25	
retrograde	-5467 May 07 j 20:15	21°♐04'46	
opposition	-5467 Jul 24 j 16:13	19°♐05'05	-0°40'50
min. Earth dist.	-5467 Jul 23 j 17:58	19°♐07'20	19.12239 AU
direct	-5467 Oct 07 j 12:42	17°♐08'56	
evening set	-5466 Jan 04 j 17:35	20°♐05'26	
conjunction	-5466 Jan 20 j 21:59	20°♐59'59	-0°38'11
minimum elong	-5466 Jan 20 j 21:59	20°♐59'59	0°38'30
max. Earth dist.	-5466 Jan 21 j 21:53	21°♐03'22	21.11403 AU
morning rise	-5466 Feb 06 j 06:37	21°♐55'08	
retrograde	-5466 May 12 j 03:10	25°♐01'38	
opposition	-5466 Jul 28 j 21:21	23°♐01'57	-0°43'36
min. Earth dist.	-5466 Jul 28 j 01:06	23°♐04'00	19.10541 AU
direct	-5466 Oct 11 j 15:49	21°♐05'42	
evening set	-5465 Jan 08 j 23:38	24°♐02'32	
conjunction	-5465 Jan 25 j 05:04	24°♐57'14	-0°40'37
minimum elong	-5465 Jan 25 j 05:04	24°♐57'14	0°40'56
max. Earth dist.	-5465 Jan 26 j 03:00	25°♐00'20	21.09501 AU
morning rise	-5465 Feb 10 j 14:43	25°♐52'32	
retrograde	-5465 May 16 j 12:11	28°♐59'14	
min. Earth dist.	-5465 Aug 01 j 07:08	27°♐01'30	19.08407 AU
opposition	-5465 Aug 02 j 02:24	26°♐59'32	-0°46'10
direct	-5465 Oct 15 j 20:02	25°♐03'10	
evening set	-5464 Jan 13 j 06:19	28°♐00'26	
conjunction	-5464 Jan 29 j 12:48	28°♐55'18	-0°42'51
minimum elong	-5464 Jan 29 j 12:48	28°♐55'18	0°43'10
max. Earth dist.	-5464 Jan 30 j 09:22	28°♐58'13	21.07120 AU
morning rise	-5464 Feb 14 j 23:20	29°♐50'46	
	-5464 Feb 17 j 18:35	0°♑	
retrograde	-5464 May 19 j 20:16	2°♑57'42	
opposition	-5464 Aug 05 j 07:40	0°♑58'00	-0°48'32
min. Earth dist.	-5464 Aug 04 j 14:46	0°♑59'43	19.05771 AU
	-5464 Aug 30 j 02:58	30°℞♐	
direct	-5464 Oct 18 j 23:56	29°♐01'29	
	-5464 Dec 06 j 10:04	0°♑	
evening set	-5463 Jan 16 j 13:42	1°♑59'14	
conjunction	-5463 Feb 01 j 21:09	2°♑54'19	-0°44'53
minimum elong	-5463 Feb 01 j 21:09	2°♑54'19	0°45'12
max. Earth dist.	-5463 Feb 02 j 15:10	2°♑56'52	21.04233 AU
morning rise	-5463 Feb 18 j 08:39	3°♑49'56	
retrograde	-5463 May 24 j 05:31	6°♑57'09	
opposition	-5463 Aug 09 j 12:53	4°♑57'24	-0°50'41
min. Earth dist.	-5463 Aug 08 j 21:23	4°♑58'59	19.02614 AU
direct	-5463 Oct 23 j 04:40	3°♑00'42	
evening set	-5462 Jan 20 j 21:39	5°♑59'02	
conjunction	-5462 Feb 06 j 06:09	6°♑54'18	-0°46'42
minimum elong	-5462 Feb 06 j 06:09	6°♑54'18	0°47'01
max. Earth dist.	-5462 Feb 06 j 22:25	6°♑56'36	21.00795 AU
morning rise	-5462 Feb 22 j 18:27	7°♑50'07	
retrograde	-5462 May 28 j 14:01	10°♑57'37	
opposition	-5462 Aug 13 j 18:28	8°♑57'49	-0°52'35
min. Earth dist.	-5462 Aug 13 j 05:28	8°♑59'08	18.98900 AU
direct	-5462 Oct 27 j 09:15	7°♑00'52	
evening set	-5461 Jan 25 j 06:08	9°♑59'48	
conjunction	-5461 Feb 10 j 15:38	10°♑55'18	-0°48'18
minimum elong	-5461 Feb 10 j 15:38	10°♑55'18	0°48'37
max. Earth dist.	-5461 Feb 11 j 05:03	10°♑57'12	20.96825 AU
morning rise	-5461 Feb 27 j 04:55	11°♑51'18	
retrograde	-5461 Jun 02 j 00:06	14°♑59'08	
opposition	-5461 Aug 18 j 00:11	12°♑59'13	-0°54'13
min. Earth dist.	-5461 Aug 17 j 12:47	13°♑00'23	18.94658 AU
direct	-5461 Oct 31 j 15:04	11°♑01'59	
evening set	-5460 Jan 29 j 15:24	14°♑01'36	
conjunction	-5460 Feb 15 j 01:58	14°♑57'19	-0°49'40
minimum elong	-5460 Feb 15 j 01:58	14°♑57'19	0°49'59
max. Earth dist.	-5460 Feb 15 j 13:35	14°♑58'58	20.92322 AU
morning rise	-5460 Mar 02 j 15:59	15°♑53'32	
retrograde	-5460 Jun 05 j 08:38	19°♑01'41	
opposition	-5460 Aug 21 j 05:59	17°♑01'38	-0°55'36
min. Earth dist.	-5460 Aug 20 j 21:09	17°♑02'33	18.89909 AU
direct	-5460 Nov 03 j 20:19	15°♑04'05	
evening set	-5459 Feb 02 j 01:20	18°♑04'26	
conjunction	-5459 Feb 18 j 12:50	19°♑00'24	-0°50'47
minimum elong	-5459 Feb 18 j 12:50	19°♑00'24	0°51'05
max. Earth dist.	-5459 Feb 18 j 21:30	19°♑01'38	20.87364 AU
morning rise	-5459 Mar 07 j 03:46	19°♑56'50	
retrograde	-5459 Jun 09 j 19:32	23°♑05'20	
opposition	-5459 Aug 25 j 12:05	21°♑05'08	-0°56'43
min. Earth dist.	-5459 Aug 25 j 04:54	21°♑05'52	18.84740 AU
direct	-5459 Nov 08 j 02:55	19°♑07'12	
evening set	-5458 Feb 06 j 11:45	22°♑08'22	
conjunction	-5458 Feb 23 j 00:14	23°♑04'35	-0°51'39
minimum elong	-5458 Feb 23 j 00:14	23°♑04'35	0°51'58
max. Earth dist.	-5458 Feb 23 j 07:24	23°♑05'36	20.81998 AU
morning rise	-5458 Mar 11 j 15:47	24°♑01'14	
retrograde	-5458 Jun 14 j 04:48	27°♑10'07	
opposition	-5458 Aug 29 j 18:30	25°♑09'46	-0°57'33
min. Earth dist.	-5458 Aug 29 j 13:37	25°♑10'17	18.79200 AU
direct	-5458 Nov 12 j 08:59	23°♑11'28	
evening set	-5457 Feb 10 j 23:03	26°♑13'31	
conjunction	-5457 Feb 27 j 12:24	27°♑09'59	-0°52'16
minimum elong	-5457 Feb 27 j 12:24	27°♑09'59	0°52'33
max. Earth dist.	-5457 Feb 27 j 16:38	27°♑10'35	20.76315 AU
morning rise	-5457 Mar 16 j 04:48	28°♑06'52	
	-5457 Apr 22 j 21:15	0°♒	
retrograde	-5457 Jun 18 j 16:22	1°♒16'11	
	-5457 Aug 15 j 21:06	30°℞♑	
opposition	-5457 Sep 03 j 01:07	29°♑15'40	-0°58'06
min. Earth dist.	-5457 Sep 02 j 21:53	29°♑16'00	18.73376 AU
direct	-5457 Nov 16 j 16:09	27°♑16'57	
	-5456 Feb 09 j 10:59	0°♒	
evening set	-5456 Feb 15 j 11:07	0°♒19'57	
conjunction	-5456 Mar 03 j 01:28	1°♒16'42	-0°52'37
minimum elong	-5456 Mar 03 j 01:28	1°♒16'42	0°52'54
max. Earth dist.	-5456 Mar 03 j 04:13	1°♒17'06	20.70353 AU
morning rise	-5456 Mar 19 j 18:23	2°♒13'50	
retrograde	-5456 Jun 22 j 03:15	5°♒23'35	
opposition	-5456 Sep 06 j 08:16	3°♒22'56	-0°58'21
min. Earth dist.	-5456 Sep 06 j 07:11	3°♒23'03	18.67296 AU
direct	-5456 Nov 19 j 23:13	1°♒23'51	
evening set	-5455 Feb 19 j 00:02	4°♒27'52	
conjunction	-5455 Mar 07 j 15:06	5°♒24'53	-0°52'42

Attention, astronomical year style is used: The year -5455 in astronomical counting style is the year 5456 BCE in historical counting style.

minimum elong	-5455 Mar 07 j 15:06	5°♒24'53	0°52'58
max. Earth dist.	-5455 Mar 07 j 14:45	5°♒24'50	20.64177 AU
morning rise	-5455 Mar 24 j 08:43	6°♒22'16	
retrograde	-5455 Jun 26 j 15:52	9°♒32'31	
opposition	-5455 Sep 10 j 15:48	7°♒31'44	-0°58'18
min. Earth dist.	-5455 Sep 10 j 16:22	7°♒31'40	18.61028 AU
direct	-5455 Nov 24 j 07:15	5°♒32'15	
evening set	-5454 Feb 23 j 13:42	8°♒37'21	
conjunction	-5454 Mar 12 j 05:42	9°♒34'40	-0°52'30
minimum elong	-5454 Mar 12 j 05:42	9°♒34'40	0°52'45
max. Earth dist.	-5454 Mar 12 j 04:01	9°♒34'26	20.57818 AU
morning rise	-5454 Mar 28 j 23:41	10°♒32'19	
retrograde	-5454 Jul 01 j 04:19	13°♒43'05	
opposition	-5454 Sep 14 j 23:56	11°♒42'12	-0°57'57
min. Earth dist.	-5454 Sep 15 j 02:28	11°♒41'56	18.54589 AU
direct	-5454 Nov 28 j 15:15	9°♒42'22	
evening set	-5453 Feb 28 j 04:20	12°♒48'36	
conjunction	-5453 Mar 16 j 21:00	13°♒46'13	-0°52'02
minimum elong	-5453 Mar 16 j 21:00	13°♒46'13	0°52'17
max. Earth dist.	-5453 Mar 16 j 16:03	13°♒45'30	20.51316 AU
morning rise	-5453 Apr 02 j 15:39	14°♒44'07	
	-5453 Apr 07 j 08:50	15°♒	
retrograde	-5453 Jul 05 j 18:33	17°♒55'28	
opposition	-5453 Sep 19 j 08:39	15°♒54'29	-0°57'18
min. Earth dist.	-5453 Sep 19 j 13:04	15°♒54'01	18.48012 AU
	-5453 Oct 11 j 15:38	15°℞♒	
direct	-5453 Dec 03 j 00:41	13°♒54'16	
	-5452 Jan 23 j 05:23	15°♒	
evening set	-5452 Mar 03 j 20:01	17°♒01'44	
conjunction	-5452 Mar 20 j 13:31	17°♒59'40	-0°51'17
minimum elong	-5452 Mar 20 j 13:31	17°♒59'40	0°51'30
max. Earth dist.	-5452 Mar 20 j 07:11	17°♒58'45	20.44658 AU
morning rise	-5452 Apr 06 j 08:23	18°♒57'50	
retrograde	-5452 Jul 09 j 08:32	22°♒09'45	
opposition	-5452 Sep 22 j 17:56	20°♒08'43	-0°56'19
min. Earth dist.	-5452 Sep 23 j 00:25	20°♒08'02	18.41273 AU
direct	-5452 Dec 06 j 10:00	18°♒08'10	
evening set	-5451 Mar 08 j 12:50	21°♒16'54	
conjunction	-5451 Mar 25 j 06:48	22°♒15'08	-0°50'14
minimum elong	-5451 Mar 25 j 06:48	22°♒15'08	0°50'27
max. Earth dist.	-5451 Mar 24 j 20:55	22°♒13'41	20.37851 AU
morning rise	-5451 Apr 11 j 02:09	23°♒13'34	
retrograde	-5451 Jul 14 j 00:10	26°♒26'06	
opposition	-5451 Sep 27 j 04:02	24°♒25'00	-0°55'01
min. Earth dist.	-5451 Sep 27 j 12:41	24°♒24'05	18.34389 AU
direct	-5451 Dec 10 j 21:13	22°♒24'04	
evening set	-5450 Mar 13 j 06:21	25°♒34'06	
conjunction	-5450 Mar 30 j 01:02	26°♒32'39	-0°48'54
minimum elong	-5450 Mar 30 j 01:03	26°♒32'39	0°49'06
max. Earth dist.	-5450 Mar 29 j 13:47	26°♒31'00	20.30873 AU
morning rise	-5450 Apr 15 j 20:28	27°♒31'22	
	-5450 Jun 06 j 15:45	0°♓	
retrograde	-5450 Jul 18 j 15:31	0°♓44'32	
	-5450 Aug 30 j 02:31	30°℞♒	
opposition	-5450 Oct 01 j 14:54	28°♒43'21	-0°53'24
min. Earth dist.	-5450 Oct 02 j 01:33	28°♒42'13	18.27321 AU
direct	-5450 Dec 15 j 08:29	26°♒42'02	
evening set	-5449 Mar 18 j 01:14	29°♒53'25	
	-5449 Mar 19 j 23:04	0°♓	
conjunction	-5449 Apr 03 j 20:16	0°♓52'16	-0°47'17
minimum elong	-5449 Apr 03 j 20:16	0°♓52'16	0°47'27
max. Earth dist.	-5449 Apr 03 j 05:11	0°♓50'03	20.23722 AU
morning rise	-5449 Apr 20 j 16:02	1°♓51'15	
retrograde	-5449 Jul 23 j 08:09	5°♓05'02	
opposition	-5449 Oct 06 j 02:28	3°♓03'45	-0°51'28
min. Earth dist.	-5449 Oct 06 j 15:33	3°♓02'21	18.20090 AU
direct	-5449 Dec 19 j 21:38	1°♓02'00	
evening set	-5448 Mar 21 j 20:58	4°♓14'45	
conjunction	-5448 Apr 07 j 16:36	5°♓13'56	-0°45'22
minimum elong	-5448 Apr 07 j 16:37	5°♓13'56	0°45'32
max. Earth dist.	-5448 Apr 07 j 00:03	5°♓11'29	20.16405 AU
morning rise	-5448 Apr 24 j 12:16	6°♓13'10	
retrograde	-5448 Jul 27 j 00:45	9°♓27'34	
opposition	-5448 Oct 09 j 14:52	7°♓26'10	-0°49'12
min. Earth dist.	-5448 Oct 10 j 05:42	7°♓24'34	18.12701 AU
direct	-5448 Dec 23 j 11:29	5°♓23'59	
evening set	-5447 Mar 26 j 17:39	8°♓38'05	
conjunction	-5447 Apr 12 j 13:26	9°♓37'34	-0°43'11
minimum elong	-5447 Apr 12 j 13:26	9°♓37'34	0°43'19
max. Earth dist.	-5447 Apr 11 j 17:15	9°♓34'34	20.08967 AU
morning rise	-5447 Apr 29 j 09:12	10°♓37'04	
retrograde	-5447 Jul 31 j 17:52	13°♓52'06	
opposition	-5447 Oct 14 j 04:04	11°♓50'32	-0°46'38
min. Earth dist.	-5447 Oct 14 j 21:16	11°♓48'41	18.05235 AU
direct	-5447 Dec 28 j 02:07	9°♓47'54	
evening set	-5446 Mar 31 j 15:05	13°♓03'22	
conjunction	-5446 Apr 17 j 11:18	14°♓03'09	-0°40'43
minimum elong	-5446 Apr 17 j 11:18	14°♓03'09	0°40'51
max. Earth dist.	-5446 Apr 16 j 14:00	13°♓59'59	20.01483 AU
morning rise	-5446 May 04 j 06:50	15°♓02'54	
retrograde	-5446 Aug 05 j 11:53	18°♓18'32	
opposition	-5446 Oct 18 j 17:51	16°♓16'49	-0°43'47
min. Earth dist.	-5446 Oct 19 j 12:23	16°♓14'49	17.97753 AU
direct	-5445 Jan 01 j 18:26	14°♓13'44	
evening set	-5445 Apr 05 j 13:33	17°♓30'34	
max. Earth dist.	-5445 Apr 21 j 09:17	18°♓26'58	19.94029 AU
conjunction	-5445 Apr 22 j 09:47	18°♓30'39	-0°38'00
minimum elong	-5445 Apr 22 j 09:47	18°♓30'39	0°38'05
morning rise	-5445 May 09 j 05:16	19°♓30'38	
retrograde	-5445 Aug 10 j 05:30	22°♓46'52	
opposition	-5445 Oct 23 j 08:34	20°♓45'00	-0°40'38
min. Earth dist.	-5445 Oct 24 j 05:25	20°♓42'44	17.90352 AU
direct	-5444 Jan 06 j 10:34	18°♓41'26	
evening set	-5444 Apr 09 j 12:43	21°♓59'40	
max. Earth dist.	-5444 Apr 25 j 07:51	22°♓56'13	19.86689 AU
conjunction	-5444 Apr 26 j 09:08	23°♓00'01	-0°35'02
minimum elong	-5444 Apr 26 j 09:08	23°♓00'01	0°35'05
morning rise	-5444 May 13 j 04:12	24°♓00'14	
retrograde	-5444 Aug 14 j 00:53	27°♓17'03	
opposition	-5444 Oct 26 j 23:57	25°♓15'02	-0°37'13
min. Earth dist.	-5444 Oct 27 j 21:36	25°♓12'41	17.83098 AU
direct	-5443 Jan 10 j 05:26	23°♓11'03	
evening set	-5443 Apr 14 j 12:47	26°♓30'38	
max. Earth dist.	-5443 Apr 30 j 05:14	27°♓27'03	19.79543 AU
conjunction	-5443 May 01 j 09:01	27°♓31'15	-0°31'50
minimum elong	-5443 May 01 j 09:01	27°♓31'15	0°31'52
morning rise	-5443 May 18 j 03:45	28°♓31'41	
	-5443 Jun 13 j 19:49	0°♈	
retrograde	-5443 Aug 18 j 19:13	1°♈49'06	
	-5443 Oct 26 j 16:12	30°℞♓	
opposition	-5443 Oct 31 j 16:21	29°♓46'57	-0°33'33
min. Earth dist.	-5443 Nov 01 j 16:00	29°♓44'23	17.76096 AU

Attention, astronomical year style is used: The year -5442 in astronomical counting style is the year 5443 BCE in historical counting style.

direct	-5442 Jan 14 j 23:12	27°♓42'32	
	-5442 Mar 31 j 22:03	0°♈	
evening set	-5442 Apr 19 j 13:19	1°♈03'28	
max. Earth dist.	-5442 May 05 j 05:15	2°♈00'03	19.72687 AU
conjunction	-5442 May 06 j 09:31	2°♈04'20	-0°28'25
minimum elong	-5442 May 06 j 09:31	2°♈04'20	0°28'25
morning rise	-5442 May 23 j 03:45	3°♈04'58	
retrograde	-5442 Aug 23 j 16:09	6°♈22'59	
opposition	-5442 Nov 05 j 09:29	4°♈20'44	-0°29'39
min. Earth dist.	-5442 Nov 06 j 09:21	4°♈18'08	17.69400 AU
direct	-5441 Jan 19 j 20:23	2°♈15'56	
evening set	-5441 Apr 24 j 14:55	5°♈38'12	
max. Earth dist.	-5441 May 10 j 04:41	6°♈34'43	19.66164 AU
conjunction	-5441 May 11 j 10:46	6°♈39'18	-0°24'48
minimum elong	-5441 May 11 j 10:46	6°♈39'18	0°24'48
morning rise	-5441 May 28 j 04:25	7°♈40'08	
retrograde	-5441 Aug 28 j 11:41	10°♈58'43	
opposition	-5441 Nov 10 j 03:32	8°♈56'24	-0°25'32
min. Earth dist.	-5441 Nov 11 j 05:16	8°♈53'36	17.63082 AU
direct	-5440 Jan 24 j 15:46	6°♈51'15	
evening set	-5440 Apr 28 j 17:09	10°♈14'51	
max. Earth dist.	-5440 May 14 j 06:02	11°♈11'28	19.60052 AU
conjunction	-5440 May 15 j 12:40	11°♈16'10	-0°21'00
minimum elong	-5440 May 15 j 12:40	11°♈16'10	0°20'58
morning rise	-5440 Jun 01 j 05:39	12°♈17'09	
retrograde	-5440 Sep 01 j 10:23	15°♈36'18	
opposition	-5440 Nov 13 j 22:29	13°♈33'58	-0°21'13
min. Earth dist.	-5440 Nov 15 j 00:01	13°♈31'11	17.57178 AU
direct	-5439 Jan 28 j 14:31	11°♈28'32	
evening set	-5439 May 03 j 19:56	14°♈53'23	
max. Earth dist.	-5439 May 19 j 07:25	15°♈50'03	19.54358 AU
conjunction	-5439 May 20 j 14:58	15°♈54'54	-0°17'03
minimum elong	-5439 May 20 j 14:58	15°♈54'54	0°16'59
morning rise	-5439 Jun 06 j 07:07	16°♈56'02	
retrograde	-5439 Sep 06 j 07:58	20°♈15'45	
opposition	-5439 Nov 18 j 18:26	18°♈13'25	-0°16'44
min. Earth dist.	-5439 Nov 19 j 21:40	18°♈10'27	17.51711 AU
direct	-5438 Feb 02 j 11:31	16°♈07'45	
evening set	-5438 May 08 j 23:28	19°♈33'49	
max. Earth dist.	-5438 May 24 j 09:37	20°♈30'30	19.49111 AU
conjunction	-5438 May 25 j 17:53	20°♈35'29	-0°12'57
minimum elong	-5438 May 25 j 17:54	20°♈35'29	0°12'53
behind sun begin	-5438 May 25 j 13:51	20°♈34'53	
behind sun end	-5438 May 25 j 21:57	20°♈36'06	
morning rise	-5438 Jun 11 j 09:17	21°♈36'47	
retrograde	-5438 Sep 11 j 07:56	24°♈57'00	
opposition	-5438 Nov 23 j 15:00	22°♈54'42	-0°12'06
min. Earth dist.	-5438 Nov 24 j 17:58	22°♈51'45	17.46674 AU
direct	-5437 Feb 07 j 11:25	20°♈48'48	
evening set	-5437 May 14 j 03:40	24°♈16'01	
conjunction	-5437 May 30 j 21:27	25°♈17'51	-0°08'45
minimum elong	-5437 May 30 j 21:28	25°♈17'51	0°08'38
behind sun begin	-5437 May 30 j 15:36	25°♈16'58	
behind sun end	-5437 May 31 j 03:19	25°♈18'45	
max. Earth dist.	-5437 May 29 j 12:51	25°♈12'48	19.44272 AU
morning rise	-5437 Jun 16 j 11:47	26°♈19'14	
retrograde	-5437 Sep 16 j 07:08	29°♈39'57	
opposition	-5437 Nov 28 j 12:49	27°♈37'40	-0°07'21
min. Earth dist.	-5437 Nov 29 j 17:22	27°♈34'33	17.42046 AU
direct	-5436 Feb 12 j 10:07	25°♈31'35	
evening set	-5436 May 18 j 08:21	28°♈59'52	
max. Earth dist.	-5436 Jun 02 j 15:36	29°♈56'34	19.39845 AU
	-5436 Jun 03 j 13:32	0°♉	
conjunction	-5436 Jun 04 j 01:14	0°♉01'49	-0°04'29
minimum elong	-5436 Jun 04 j 01:13	0°♉01'48	0°04'21
behind sun begin	-5436 Jun 03 j 18:34	0°♉00'48	
behind sun end	-5436 Jun 04 j 07:51	0°♉02'49	
morning rise	-5436 Jun 20 j 14:38	1°♉03'17	
retrograde	-5436 Sep 20 j 07:53	4°♉24'26	
opposition	-5436 Dec 02 j 11:21	2°♉22'10	-0°02'31
min. Earth dist.	-5436 Dec 03 j 15:24	2°♉19'05	17.37823 AU
direct	-5435 Feb 16 j 11:54	0°♉15'53	
evening set	-5435 May 23 j 13:19	3°♉45'07	
max. Earth dist.	-5435 Jun 07 j 20:14	4°♉41'58	19.35817 AU
conjunction	-5435 Jun 09 j 05:27	4°♉47'09	-0°00'03
minimum elong	-5435 Jun 09 j 05:26	4°♉47'09	0°00'07
behind sun begin	-5435 Jun 08 j 22:54	4°♉46'10	
behind sun end	-5435 Jun 09 j 11:57	4°♉48'09	
asc. node	-5435 Jun 14 j 03:02	5°♉05'33	
morning rise	-5435 Jun 25 j 17:35	5°♉48'40	
retrograde	-5435 Sep 25 j 07:36	9°♉10'12	
opposition	-5435 Dec 07 j 10:47	7°♉07'56	0°02'20
min. Earth dist.	-5435 Dec 08 j 15:59	7°♉04'44	17.34008 AU
direct	-5434 Feb 21 j 12:37	5°♉01'29	
evening set	-5434 May 28 j 18:38	8°♉31'33	
max. Earth dist.	-5434 Jun 12 j 23:23	9°♉28'16	19.32218 AU
conjunction	-5434 Jun 14 j 09:38	9°♉33'39	0°04'23
minimum elong	-5434 Jun 14 j 09:38	9°♉33'39	0°04'34
behind sun begin	-5434 Jun 14 j 03:02	9°♉32'38	
behind sun end	-5434 Jun 14 j 16:14	9°♉34'39	
morning rise	-5434 Jun 30 j 20:50	10°♉35'11	
retrograde	-5434 Sep 30 j 08:09	13°♉57'03	
opposition	-5434 Dec 12 j 10:50	11°♉54'46	0°07'13
min. Earth dist.	-5434 Dec 13 j 15:24	11°♉51'38	17.30628 AU
direct	-5433 Feb 26 j 16:13	9°♉48'08	
evening set	-5433 Jun 03 j 00:02	13°♉18'56	
max. Earth dist.	-5433 Jun 18 j 05:04	14°♉15'51	19.29057 AU
conjunction	-5433 Jun 19 j 14:08	14°♉21'03	0°08'42
minimum elong	-5433 Jun 19 j 14:08	14°♉21'03	0°08'54
behind sun begin	-5433 Jun 19 j 08:22	14°♉20'10	
behind sun end	-5433 Jun 19 j 19:53	14°♉21'56	
	-5433 Jun 29 j 22:07	15°♉	
morning rise	-5433 Jul 05 j 23:55	15°♉22'35	
retrograde	-5433 Oct 05 j 08:10	18°♉44'43	
opposition	-5433 Dec 17 j 11:38	16°♉42'25	0°12'02
min. Earth dist.	-5433 Dec 18 j 16:42	16°♉39'14	17.27704 AU
	-5432 Feb 01 j 01:42	15°℞♉	
direct	-5432 Mar 02 j 19:20	14°♉35'39	
	-5432 Apr 02 j 06:06	15°♉	
evening set	-5432 Jun 07 j 05:36	18°♉07'02	
max. Earth dist.	-5432 Jun 22 j 08:41	19°♉03'49	19.26394 AU
conjunction	-5432 Jun 23 j 18:24	19°♉09'08	0°12'59
minimum elong	-5432 Jun 23 j 18:24	19°♉09'08	0°13'13
behind sun begin	-5432 Jun 23 j 14:31	19°♉08'33	
behind sun end	-5432 Jun 23 j 22:16	19°♉09'44	
morning rise	-5432 Jul 10 j 03:06	20°♉10'39	
retrograde	-5432 Oct 09 j 08:37	23°♉33'00	
opposition	-5432 Dec 21 j 13:00	21°♉30'40	0°16'47
min. Earth dist.	-5432 Dec 22 j 17:13	21°♉27'35	17.25313 AU
direct	-5431 Mar 08 j 00:20	19°♉23'46	
evening set	-5431 Jun 12 j 10:41	22°♉55'37	
conjunction	-5431 Jun 28 j 22:28	23°♉57'41	0°17'11

Attention, astronomical year style is used: The year -5431 in astronomical counting style is the year 5432 BCE in historical counting style.

minimum elong	-5431 Jun 28 j 22:28	23°♉57'41	0°17'25	
max. Earth dist.	-5431 Jun 27 j 14:46	23°♉52'40	19.24277 AU	
morning rise	-5431 Jul 15 j 05:46	24°♉59'08		
retrograde	-5431 Oct 14 j 08:56	28°♉21'38		
opposition	-5431 Dec 26 j 14:55	26°♉19'17	0°21'26	
min. Earth dist.	-5431 Dec 27 j 18:44	26°♉16'15	17.23480 AU	
direct	-5430 Mar 13 j 05:00	24°♉12'18		
evening set	-5430 Jun 17 j 15:54	27°♉44'28		
max. Earth dist.	-5430 Jul 02 j 18:33	28°♉41'27	19.22752 AU	
conjunction	-5430 Jul 04 j 02:16	28°♉46'28	0°21'16	
minimum elong	-5430 Jul 04 j 02:16	28°♉46'28	0°21'32	
morning rise	-5430 Jul 20 j 08:24	29°♉47'51		
	-5430 Jul 23 j 15:21	0°♊		
retrograde	-5430 Oct 19 j 09:19	3°♊10'27		
opposition	-5430 Dec 31 j 17:06	1°♊08'05	0°25'55	
min. Earth dist.	-5429 Jan 01 j 19:58	1°♊05'09	17.22279 AU	
	-5429 Jan 28 j 04:55	30°℞♉		
direct	-5429 Mar 18 j 10:10	29°♉01'01		
	-5429 May 05 j 07:11	0°♊		
evening set	-5429 Jun 22 j 20:42	2°♊33'26		
max. Earth dist.	-5429 Jul 08 j 00:38	3°♊30'41	19.21877 AU	
conjunction	-5429 Jul 09 j 05:54	3°♊35'20	0°25'12	
minimum elong	-5429 Jul 09 j 05:54	3°♊35'20	0°25'29	
morning rise	-5429 Jul 25 j 10:36	4°♊36'36		
retrograde	-5429 Oct 24 j 10:17	7°♊59'15		
opposition	-5428 Jan 05 j 19:55	5°♊56'54	0°30'13	
min. Earth dist.	-5428 Jan 06 j 21:22	5°♊54'08	17.21736 AU	
direct	-5428 Mar 22 j 15:46	3°♊49'52		
evening set	-5428 Jun 27 j 01:09	7°♊22'21		
max. Earth dist.	-5428 Jul 12 j 04:29	8°♊19'36	19.21687 AU	
conjunction	-5428 Jul 13 j 08:53	8°♊24'07	0°28'58	
minimum elong	-5428 Jul 13 j 08:52	8°♊24'07	0°29'14	
morning rise	-5428 Jul 29 j 12:18	9°♊25'16		
retrograde	-5428 Oct 28 j 10:39	12°♊47'57		
opposition	-5427 Jan 09 j 23:05	10°♊45'38	0°34'19	
min. Earth dist.	-5427 Jan 10 j 23:19	10°♊43'00	17.21914 AU	
direct	-5427 Mar 27 j 20:19	8°♊38'40		
evening set	-5427 Jul 02 j 05:09	12°♊11'07		
max. Earth dist.	-5427 Jul 17 j 09:50	13°♊08'39	19.22229 AU	
conjunction	-5427 Jul 18 j 11:37	13°♊12'45	0°32'31	
minimum elong	-5427 Jul 18 j 11:37	13°♊12'45	0°32'49	
morning rise	-5427 Aug 03 j 13:42	14°♊13'45		
retrograde	-5427 Nov 02 j 12:24	17°♊36'23		
opposition	-5426 Jan 15 j 02:19	15°♊34'11	0°38'10	
min. Earth dist.	-5426 Jan 16 j 00:22	15°♊31'48	17.22805 AU	
direct	-5426 Apr 02 j 02:04	13°♊27'21		
evening set	-5426 Jul 07 j 08:46	16°♊59'40		
conjunction	-5426 Jul 23 j 13:51	18°♊01'07	0°35'51	
minimum elong	-5426 Jul 23 j 13:51	18°♊01'07	0°36'09	
max. Earth dist.	-5426 Jul 22 j 13:38	17°♊57'16	19.23480 AU	
morning rise	-5426 Aug 08 j 14:40	19°♊01'58		
retrograde	-5426 Nov 07 j 12:38	22°♊24'32		
opposition	-5425 Jan 20 j 05:58	20°♊22'28	0°41'45	
min. Earth dist.	-5425 Jan 21 j 02:56	20°♊20'12	17.24407 AU	
direct	-5425 Apr 07 j 05:28	18°♊15'50		
evening set	-5425 Jul 12 j 11:48	21°♊47'55		
conjunction	-5425 Jul 28 j 15:31	22°♊49'10	0°38'56	
minimum elong	-5425 Jul 28 j 15:31	22°♊49'10	0°39'15	
max. Earth dist.	-5425 Jul 27 j 17:42	22°♊45'41	19.25422 AU	
morning rise	-5425 Aug 13 j 15:05	23°♊49'49		
retrograde	-5425 Nov 12 j 15:13	27°♊12'17		
opposition	-5424 Jan 25 j 09:43	25°♊10'22	0°45'02	
min. Earth dist.	-5424 Jan 26 j 04:01	25°♊08'23	17.26656 AU	
direct	-5424 Apr 11 j 11:38	23°♊04'00		
evening set	-5424 Jul 16 j 14:19	26°♊35'42		
conjunction	-5424 Aug 01 j 16:42	27°♊36'44	0°41'44	
minimum elong	-5424 Aug 01 j 16:42	27°♊36'44	0°42'04	
max. Earth dist.	-5424 Jul 31 j 21:07	27°♊33'37	19.27982 AU	
morning rise	-5424 Aug 17 j 14:59	28°♊37'10		
	-5424 Sep 10 j 04:19	0°♋		
retrograde	-5424 Nov 16 j 14:44	1°♋59'29		
	-5423 Jan 28 j 16:31	30°℞♊		
opposition	-5423 Jan 29 j 13:43	29°♊57'44	0°48'00	
min. Earth dist.	-5423 Jan 30 j 07:03	29°♊55'52	17.29516 AU	
direct	-5423 Apr 16 j 14:39	27°♊51'40		
	-5423 Jun 28 j 02:10	0°♋		
evening set	-5423 Jul 21 j 16:05	1°♋22'50		
conjunction	-5423 Aug 06 j 17:06	2°♋23'38	0°44'15	
minimum elong	-5423 Aug 06 j 17:06	2°♋23'38	0°44'34	
max. Earth dist.	-5423 Aug 05 j 23:27	2°♋20'49	19.31123 AU	
morning rise	-5423 Aug 22 j 14:20	3°♋23'51		
retrograde	-5423 Nov 21 j 16:51	6°♋45'57		
opposition	-5422 Feb 03 j 17:33	4°♋44'21	0°50'38	
min. Earth dist.	-5422 Feb 04 j 07:58	4°♋42'48	17.32904 AU	
direct	-5422 Apr 21 j 21:08	2°♋38'36		
evening set	-5422 Jul 26 j 17:14	6°♋09'09		
conjunction	-5422 Aug 11 j 17:02	7°♋09'40	0°46'27	
minimum elong	-5422 Aug 11 j 17:02	7°♋09'40	0°46'47	
max. Earth dist.	-5422 Aug 11 j 02:03	7°♋07'18	19.34751 AU	
morning rise	-5422 Aug 27 j 13:01	8°♋09'39		
retrograde	-5422 Nov 26 j 15:07	11°♋31'29		
opposition	-5421 Feb 08 j 21:24	9°♋30'02	0°52'54	
min. Earth dist.	-5421 Feb 09 j 10:55	9°♋28'35	17.36765 AU	
direct	-5421 Apr 27 j 00:31	7°♋24'36		
evening set	-5421 Jul 31 j 17:43	10°♋54'23		
conjunction	-5421 Aug 16 j 16:08	11°♋54'38	0°48'20	
minimum elong	-5421 Aug 16 j 16:08	11°♋54'38	0°48'38	
max. Earth dist.	-5421 Aug 16 j 02:41	11°♋52'30	19.38838 AU	
morning rise	-5421 Sep 01 j 11:12	12°♋54'22		
retrograde	-5421 Dec 01 j 15:56	16°♋15'52		
opposition	-5420 Feb 14 j 01:05	14°♋14'31	0°54'48	
min. Earth dist.	-5420 Feb 14 j 11:29	14°♋13'25	17.41052 AU	
direct	-5420 May 01 j 07:06	12°♋09'26		
evening set	-5420 Aug 04 j 17:04	15°♋38'19		
conjunction	-5420 Aug 20 j 14:26	16°♋38'16	0°49'52	
minimum elong	-5420 Aug 20 j 14:26	16°♋38'16	0°50'10	
max. Earth dist.	-5420 Aug 20 j 04:08	16°♋36'39	19.43318 AU	
morning rise	-5420 Sep 05 j 08:23	17°♋37'45		
retrograde	-5420 Dec 05 j 12:54	20°♋58'52		
opposition	-5419 Feb 18 j 04:36	18°♋57'38	0°56'18	
min. Earth dist.	-5419 Feb 18 j 13:52	18°♋56'39	17.45718 AU	
direct	-5419 May 06 j 10:21	16°♋52'51		
evening set	-5419 Aug 09 j 15:45	20°♋20'45		
conjunction	-5419 Aug 25 j 11:52	21°♋20'24	0°51'03	
minimum elong	-5419 Aug 25 j 11:52	21°♋20'24	0°51'21	
max. Earth dist.	-5419 Aug 25 j 02:54	21°♋18'59	19.48172 AU	
morning rise	-5419 Sep 10 j 05:06	22°♋19'36		
retrograde	-5419 Dec 10 j 12:10	25°♋40'16		
opposition	-5418 Feb 23 j 07:21	23°♋39'07	0°57'25	
min. Earth dist.	-5418 Feb 23 j 13:35	23°♋38'28	17.50743 AU	
direct	-5418 May 11 j 14:49	21°♋34'39		
evening set	-5418 Aug 14 j 13:17	25°♋01'28		

Attention, astronomical year style is used: The year -5418 in astronomical counting style is the year 5419 BCE in historical counting style.

conjunction	-5418 Aug 30 j 08:31	26°♋00'48	0°51'54
minimum elong	-5418 Aug 30 j 08:31	26°♋00'48	0°52'11
max. Earth dist.	-5418 Aug 30 j 02:58	25°♋59'56	19.53368 AU
morning rise	-5418 Sep 15 j 00:48	26°♋59'44	
	-5418 Nov 18 j 10:51	0°♌	
retrograde	-5418 Dec 15 j 08:21	0°♌19'54	
	-5417 Jan 11 j 23:46	30°℞♋	
opposition	-5417 Feb 28 j 09:58	28°♋18'49	0°58'09
min. Earth dist.	-5417 Feb 28 j 14:43	28°♋18'19	17.56103 AU
direct	-5417 May 16 j 17:09	26°♋14'40	
evening set	-5417 Aug 19 j 09:50	29°♋40'17	
	-5417 Aug 24 j 17:20	0°♌	
conjunction	-5417 Sep 04 j 03:55	0°♌39'18	0°52'23
minimum elong	-5417 Sep 04 j 03:55	0°♌39'18	0°52'41
max. Earth dist.	-5417 Sep 03 j 23:51	0°♌38'40	19.58908 AU
morning rise	-5417 Sep 19 j 19:39	1°♌37'58	
retrograde	-5417 Dec 20 j 06:03	4°♌57'36	
opposition	-5416 Mar 04 j 11:56	2°♌56'33	0°58'29
min. Earth dist.	-5416 Mar 04 j 13:33	2°♌56'23	17.61818 AU
direct	-5416 May 20 j 18:48	0°♌52'43	
evening set	-5416 Aug 23 j 05:11	4°♌17'05	
conjunction	-5416 Sep 07 j 22:32	5°♌15'47	0°52'33
minimum elong	-5416 Sep 07 j 22:32	5°♌15'47	0°52'49
max. Earth dist.	-5416 Sep 07 j 22:16	5°♌15'45	19.64797 AU
morning rise	-5416 Sep 23 j 13:30	6°♌14'10	
retrograde	-5416 Dec 24 j 01:42	9°♌33'13	
opposition	-5415 Mar 09 j 13:15	7°♌32'14	0°58'27
min. Earth dist.	-5415 Mar 09 j 12:49	7°♌32'17	17.67882 AU
direct	-5415 May 25 j 19:52	5°♌28'45	
evening set	-5415 Aug 27 j 23:37	8°♌51'48	
conjunction	-5415 Sep 12 j 16:00	9°♌50'10	0°52'22
minimum elong	-5415 Sep 12 j 16:00	9°♌50'10	0°52'38
max. Earth dist.	-5415 Sep 12 j 17:20	9°♌50'23	19.71045 AU
morning rise	-5415 Sep 28 j 06:37	10°♌48'17	
retrograde	-5415 Dec 28 j 22:04	14°♌06'44	
opposition	-5414 Mar 14 j 13:53	12°♌05'49	0°58'03
min. Earth dist.	-5414 Mar 14 j 10:28	12°♌06'11	17.74311 AU
direct	-5414 May 30 j 18:57	10°♌02'42	
evening set	-5414 Sep 01 j 16:52	13°♌24'25	
conjunction	-5414 Sep 17 j 08:40	14°♌22'29	0°51'52
minimum elong	-5414 Sep 17 j 08:40	14°♌22'29	0°52'06
max. Earth dist.	-5414 Sep 17 j 13:46	14°♌23'16	19.77643 AU
	-5414 Sep 27 j 10:08	15°♌	
morning rise	-5414 Oct 02 j 22:39	15°♌20'18	
retrograde	-5413 Jan 02 j 16:52	18°♌38'10	
opposition	-5413 Mar 19 j 13:50	16°♌37'21	0°57'18
min. Earth dist.	-5413 Mar 19 j 07:55	16°♌37'58	17.81067 AU
	-5413 May 03 j 17:27	15°℞♌	
direct	-5413 Jun 04 j 18:54	14°♌34'39	
	-5413 Jul 06 j 01:34	15°♌	
evening set	-5413 Sep 06 j 09:20	17°♌55'01	
conjunction	-5413 Sep 22 j 00:19	18°♌52'45	0°51'03
minimum elong	-5413 Sep 22 j 00:19	18°♌52'45	0°51'16
max. Earth dist.	-5413 Sep 22 j 07:05	18°♌53'48	19.84564 AU
morning rise	-5413 Oct 07 j 14:07	19°♌50'18	
retrograde	-5412 Jan 07 j 11:57	23°♌07'35	
opposition	-5412 Mar 23 j 13:10	21°♌06'53	0°56'11
min. Earth dist.	-5412 Mar 23 j 04:38	21°♌07'46	17.88140 AU
direct	-5412 Jun 08 j 16:06	19°♌04'38	
evening set	-5412 Sep 10 j 00:33	22°♌23'37	
conjunction	-5412 Sep 25 j 15:10	23°♌21'04	0°49'55
minimum elong	-5412 Sep 25 j 15:10	23°♌21'04	0°50'08
max. Earth dist.	-5412 Sep 26 j 01:28	23°♌22'39	19.91763 AU
morning rise	-5412 Oct 11 j 04:37	24°♌18'21	
retrograde	-5411 Jan 11 j 05:52	27°♌35'01	
opposition	-5411 Mar 28 j 11:40	25°♌34'28	0°54'45
min. Earth dist.	-5411 Mar 28 j 00:33	25°♌35'37	17.95434 AU
direct	-5411 Jun 13 j 14:24	23°♌32'43	
evening set	-5411 Sep 14 j 15:08	26°♌50'19	
conjunction	-5411 Sep 30 j 05:08	27°♌47'27	0°48'31
minimum elong	-5411 Sep 30 j 05:08	27°♌47'27	0°48'41
max. Earth dist.	-5411 Sep 30 j 16:56	27°♌49'16	19.99145 AU
morning rise	-5411 Oct 15 j 18:34	28°♌44'29	
	-5411 Nov 06 j 22:25	0°♍	
retrograde	-5410 Jan 15 j 23:31	2°♍00'34	
opposition	-5410 Apr 02 j 09:22	0°♍00'10	0°53'00
min. Earth dist.	-5410 Apr 01 j 20:21	0°♍01'30	18.02891 AU
	-5410 Apr 02 j 11:02	30°℞♌	
direct	-5410 Jun 18 j 09:38	27°♌58'53	
	-5410 Aug 28 j 01:19	0°♍	
evening set	-5410 Sep 19 j 04:41	1°♍15'08	
conjunction	-5410 Oct 04 j 18:27	2°♍11'59	0°46'49
minimum elong	-5410 Oct 04 j 18:27	2°♍11'59	0°47'00
max. Earth dist.	-5410 Oct 05 j 09:14	2°♍14'15	20.06646 AU
morning rise	-5410 Oct 20 j 07:41	3°♍08'46	
retrograde	-5409 Jan 20 j 16:12	6°♍24'14	
opposition	-5409 Apr 07 j 06:25	4°♍24'00	0°50'57
min. Earth dist.	-5409 Apr 06 j 14:50	4°♍25'36	18.10406 AU
direct	-5409 Jun 23 j 06:21	2°♍23'13	
evening set	-5409 Sep 23 j 17:26	5°♍38'05	
conjunction	-5409 Oct 09 j 06:46	6°♍34'38	0°44'52
minimum elong	-5409 Oct 09 j 06:46	6°♍34'38	0°45'00
max. Earth dist.	-5409 Oct 09 j 22:56	6°♍37'06	20.14164 AU
morning rise	-5409 Oct 24 j 20:08	7°♍31'11	
retrograde	-5408 Jan 25 j 08:33	10°♍46'04	
min. Earth dist.	-5408 Apr 10 j 09:55	8°♍47'43	18.17920 AU
opposition	-5408 Apr 11 j 02:49	8°♍45'59	0°48'36
direct	-5408 Jun 26 j 23:55	6°♍45'40	
evening set	-5408 Sep 27 j 05:22	9°♍59'10	
conjunction	-5408 Oct 12 j 18:38	10°♍55'27	0°42'39
minimum elong	-5408 Oct 12 j 18:38	10°♍55'27	0°42'47
max. Earth dist.	-5408 Oct 13 j 13:13	10°♍58'16	20.21636 AU
morning rise	-5408 Oct 28 j 08:00	11°♍51'46	
retrograde	-5407 Jan 28 j 23:56	15°♍06'03	
opposition	-5407 Apr 15 j 22:06	13°♍06'06	0°46'00
min. Earth dist.	-5407 Apr 15 j 02:49	13°♍08'03	18.25329 AU
direct	-5407 Jul 01 j 18:46	11°♍06'13	
evening set	-5407 Oct 01 j 16:37	14°♍18'22	
conjunction	-5407 Oct 17 j 05:39	15°♍14'23	0°40'13
minimum elong	-5407 Oct 17 j 05:39	15°♍14'23	0°40'19
max. Earth dist.	-5407 Oct 18 j 01:17	15°♍17'21	20.28964 AU
morning rise	-5407 Nov 01 j 19:19	16°♍10'29	
retrograde	-5406 Feb 02 j 14:15	19°♍24'10	
opposition	-5406 Apr 20 j 16:48	17°♍24'19	0°43'09
min. Earth dist.	-5406 Apr 19 j 20:49	17°♍26'21	18.32575 AU
direct	-5406 Jul 06 j 10:45	15°♍24'51	
evening set	-5406 Oct 06 j 02:53	18°♍35'40	
conjunction	-5406 Oct 21 j 15:58	19°♍31'27	0°37'34
minimum elong	-5406 Oct 21 j 15:59	19°♍31'27	0°37'39
max. Earth dist.	-5406 Oct 22 j 13:34	19°♍34'42	20.36102 AU
morning rise	-5406 Nov 06 j 05:48	20°♍27'20	
retrograde	-5405 Feb 07 j 04:24	23°♍40'25	

Attention, astronomical year style is used: The year -5405 in astronomical counting style is the year 5406 BCE in historical counting style.

opposition	-5405 Apr 25 j 10:32	21°♑40'38	0°40'05	
min. Earth dist.	-5405 Apr 24 j 12:14	21°♑42'54	18.39592 AU	
direct	-5405 Jul 11 j 03:51	19°♑41'32		
evening set	-5405 Oct 10 j 12:31	22°♑51'03		
conjunction	-5405 Oct 26 j 01:35	23°♑46'35	0°34'44	
minimum elong	-5405 Oct 26 j 01:35	23°♑46'35	0°34'49	
max. Earth dist.	-5405 Oct 27 j 00:13	23°♑49'58	20.42997 AU	
morning rise	-5405 Nov 10 j 15:51	24°♑42'17		
retrograde	-5404 Feb 11 j 16:37	27°♑54'45		
min. Earth dist.	-5404 Apr 28 j 04:51	25°♑57'19	18.46375 AU	
opposition	-5404 Apr 29 j 03:30	25°♑55'01	0°36'50	
direct	-5404 Jul 14 j 17:44	23°♑56'15		
evening set	-5404 Oct 13 j 21:12	27°♑04'28		
conjunction	-5404 Oct 29 j 10:31	27°♑59'47	0°31'44	
minimum elong	-5404 Oct 29 j 10:32	27°♑59'47	0°31'46	
max. Earth dist.	-5404 Oct 30 j 10:50	28°♑03'24	20.49659 AU	
morning rise	-5404 Nov 14 j 01:10	28°♑55'17		
	-5404 Dec 03 j 10:47	0°♎		
retrograde	-5403 Feb 15 j 05:35	2°♎07'10		
opposition	-5403 May 03 j 19:21	0°♎07'27	0°33'24	
min. Earth dist.	-5403 May 02 j 18:28	0°♎09'57	18.52908 AU	
	-5403 May 06 j 21:24	30°℞♑		
direct	-5403 Jul 19 j 08:55	28°♑08'59		
	-5403 Sep 25 j 01:00	0°♎		
evening set	-5403 Oct 18 j 05:17	1°♎15'57		
conjunction	-5403 Nov 02 j 18:42	2°♎11'03	0°28'35	
minimum elong	-5403 Nov 02 j 18:42	2°♎11'03	0°28'36	
max. Earth dist.	-5403 Nov 03 j 20:08	2°♎14'49	20.56068 AU	
morning rise	-5403 Nov 18 j 09:53	3°♎06'24		
retrograde	-5402 Feb 19 j 15:50	6°♎17'41		
min. Earth dist.	-5402 May 07 j 09:20	4°♎20'30	18.59219 AU	
opposition	-5402 May 08 j 10:24	4°♎17'59	0°29'50	
direct	-5402 Jul 23 j 20:34	2°♎19'47		
evening set	-5402 Oct 22 j 12:35	5°♎25'34		
conjunction	-5402 Nov 07 j 02:21	6°♎20'28	0°25'19	
minimum elong	-5402 Nov 07 j 02:21	6°♎20'28	0°25'18	
max. Earth dist.	-5402 Nov 08 j 05:21	6°♎24'28	20.62280 AU	
morning rise	-5402 Nov 22 j 18:01	7°♎15'39		
retrograde	-5401 Feb 24 j 03:53	10°♎26'23		
min. Earth dist.	-5401 May 11 j 21:08	8°♎29'27	18.65332 AU	
opposition	-5401 May 13 j 00:31	8°♎26'42	0°26'08	
direct	-5401 Jul 28 j 09:26	6°♎28'47		
evening set	-5401 Oct 26 j 19:15	9°♎33'25		
conjunction	-5401 Nov 11 j 09:18	10°♎28'09	0°21'57	
minimum elong	-5401 Nov 11 j 09:18	10°♎28'09	0°21'54	
max. Earth dist.	-5401 Nov 12 j 13:29	10°♎32'18	20.68287 AU	
morning rise	-5401 Nov 27 j 01:38	11°♎23'12		
retrograde	-5400 Feb 28 j 13:09	14°♎33'24		
min. Earth dist.	-5400 May 15 j 10:31	12°♎36'30	18.71253 AU	
opposition	-5400 May 16 j 13:58	12°♎33'45	0°22'20	
direct	-5400 Jul 31 j 19:22	10°♎36'07		
evening set	-5400 Oct 30 j 01:27	13°♎39'41		
conjunction	-5400 Nov 14 j 16:00	14°♎34'15	0°18'29	
minimum elong	-5400 Nov 14 j 16:00	14°♎34'15	0°18'26	
max. Earth dist.	-5400 Nov 15 j 21:23	14°♎38'34	20.74108 AU	
morning rise	-5400 Nov 30 j 08:57	15°♎29'11		
retrograde	-5399 Mar 04 j 00:25	18°♎38'53		
min. Earth dist.	-5399 May 19 j 20:49	16°♎42'14	18.76963 AU	
opposition	-5399 May 21 j 02:15	16°♎39'17	0°18'26	
direct	-5399 Aug 05 j 05:56	14°♎41'56		
evening set	-5399 Nov 03 j 07:12	17°♎44'31		
conjunction	-5399 Nov 18 j 22:09	18°♎38'57	0°14'57	
minimum elong	-5399 Nov 18 j 22:10	18°♎38'57	0°14'52	
behind sun begin	-5399 Nov 18 j 19:26	18°♎38'34		
behind sun end	-5399 Nov 19 j 00:53	18°♎39'20		
max. Earth dist.	-5399 Nov 20 j 04:28	18°♎43'23	20.79693 AU	
morning rise	-5399 Dec 04 j 15:51	19°♎33'46		