

Planetary Phenomena of Jupiter from -9900 through -9398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 1

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

retrograde	-9900 Mar 22 j 01:45	22° \mathbb{M} 01'48	min. Earth dist.	-9895 Nov 07 j 03:29	7° \mathbb{H} 25'10	4.29701 AU
desc. node	-9900 Apr 05 j 11:57	21° \mathbb{M} 41'55	direct	-9894 Jan 07 j 06:56	2° \mathbb{H} 25'02	
opposition	-9900 May 21 j 22:18	16° \mathbb{M} 59'31 -0°10'25	asc. node	-9894 Jan 13 j 20:01	2° \mathbb{H} 28'59	
min. Earth dist.	-9900 May 21 j 06:57	17° \mathbb{M} 04'36 4.08911 AU	evening set	-9894 May 16 j 01:53	20° \mathbb{H} 47'59	
direct	-9900 Jul 19 j 15:26	12° \mathbb{M} 05'53	max. Earth dist.	-9894 May 28 j 05:10	23° \mathbb{H} 29'42	6.32076 AU
	-9900 Nov 16 j 04:10	0° \mathbb{L}				
evening set	-9900 Nov 19 j 23:10	0° \mathbb{L} 52'57	conjunction	-9894 May 29 j 05:41	23° \mathbb{H} 43'21	0°18'38
			minimum elong	-9894 May 29 j 05:39	23° \mathbb{H} 43'20	0°18'30
conjunction	-9900 Dec 03 j 06:46	4° \mathbb{L} 00'15 -0°35'34	morning rise	-9894 Jun 11 j 06:00	26° \mathbb{H} 36'55	
minimum elong	-9900 Dec 03 j 06:42	4° \mathbb{L} 00'12 0°35'33		-9894 Jun 26 j 18:02	0° \mathbb{Y}	
max. Earth dist.	-9900 Dec 04 j 10:54	4° \mathbb{L} 16'45 6.07191 AU	retrograde	-9894 Oct 09 j 20:43	13° \mathbb{Y} 55'41	
morning rise	-9900 Dec 16 j 18:04	7° \mathbb{L} 09'27	opposition	-9894 Dec 08 j 22:04	9° \mathbb{Y} 03'11	1°04'03
retrograde	-9899 Apr 27 j 06:31	27° \mathbb{L} 05'40	min. Earth dist.	-9894 Dec 09 j 17:57	8° \mathbb{Y} 56'46	4.33566 AU
opposition	-9899 Jun 26 j 10:29	22° \mathbb{L} 00'55 -1°32'51	direct	-9893 Feb 09 j 07:21	4° \mathbb{Y} 01'12	
min. Earth dist.	-9899 Jun 25 j 12:36	22° \mathbb{L} 08'20 4.06702 AU	evening set	-9893 Jun 17 j 03:14	22° \mathbb{Y} 10'26	
direct	-9899 Aug 23 j 14:38	17° \mathbb{L} 04'43				
	-9899 Nov 29 j 06:42	0° \mathbb{M}	conjunction	-9893 Jun 29 j 21:15	25° \mathbb{Y} 00'49	1°06'50
evening set	-9899 Dec 26 j 08:53	6° \mathbb{M} 07'26	minimum elong	-9893 Jun 29 j 21:10	25° \mathbb{Y} 00'46	1°07'00
			max. Earth dist.	-9893 Jun 28 j 14:42	24° \mathbb{Y} 43'46	6.33925 AU
conjunction	-9898 Jan 08 j 23:01	9° \mathbb{M} 17'18 -1°22'03	morning rise	-9893 Jul 12 j 12:18	27° \mathbb{Y} 49'45	
minimum elong	-9898 Jan 08 j 22:56	9° \mathbb{M} 17'15 1°22'21		-9893 Jul 22 j 08:47	0° \mathbb{B}	
max. Earth dist.	-9898 Jan 10 j 08:53	9° \mathbb{M} 37'03 6.07252 AU		-9893 Oct 30 j 23:16	15° \mathbb{B}	
morning rise	-9898 Jan 22 j 15:28	12° \mathbb{M} 28'20	retrograde	-9893 Nov 10 j 17:21	15° \mathbb{B} 11'00	
	-9898 Feb 02 j 15:56	15° \mathbb{M}		-9893 Nov 21 j 12:28	15° \mathbb{R} \mathbb{B}	
	-9898 Apr 25 j 09:14	0° \mathbb{J}	opposition	-9892 Jan 10 j 12:08	10° \mathbb{B} 19'19	2°02'57
retrograde	-9898 Jun 01 j 21:59	2° \mathbb{J} 12'47	min. Earth dist.	-9892 Jan 11 j 09:21	10° \mathbb{B} 12'34	4.33395 AU
	-9898 Jul 09 j 00:17	30° \mathbb{R} \mathbb{M}	direct	-9892 Mar 12 j 23:04	5° \mathbb{B} 20'09	
opposition	-9898 Jul 31 j 07:53	27° \mathbb{M} 07'59 -2°21'18		-9892 Jun 07 j 19:28	15° \mathbb{B}	
min. Earth dist.	-9898 Jul 30 j 12:56	27° \mathbb{M} 14'28 4.09148 AU	evening set	-9892 Jul 17 j 10:22	23° \mathbb{B} 23'33	
direct	-9898 Sep 27 j 17:59	22° \mathbb{M} 08'22				
	-9898 Dec 10 j 10:31	0° \mathbb{J}	conjunction	-9892 Jul 29 j 21:01	26° \mathbb{B} 11'29	1°35'33
evening set	-9897 Feb 01 j 09:09	11° \mathbb{J} 16'15	minimum elong	-9892 Jul 29 j 20:58	26° \mathbb{B} 11'28	1°36'00
			max. Earth dist.	-9892 Jul 28 j 17:40	25° \mathbb{B} 56'04	6.31612 AU
conjunction	-9897 Feb 15 j 02:04	14° \mathbb{J} 25'12 -1°38'30	morning rise	-9892 Aug 11 j 06:03	28° \mathbb{B} 58'44	
minimum elong	-9897 Feb 15 j 02:04	14° \mathbb{J} 25'12 1°39'02		-9892 Aug 15 j 19:45	0° \mathbb{I}	
max. Earth dist.	-9897 Feb 16 j 03:14	14° \mathbb{J} 39'40 6.11743 AU	retrograde	-9892 Dec 12 j 12:37	16° \mathbb{I} 43'26	
morning rise	-9897 Feb 28 j 19:35	17° \mathbb{J} 34'19	opposition	-9891 Feb 11 j 19:59	11° \mathbb{I} 50'48	2°26'26
	-9897 Apr 29 j 10:05	0° \mathbb{Z}	min. Earth dist.	-9891 Feb 12 j 13:38	11° \mathbb{I} 45'13	4.29163 AU
retrograde	-9897 Jul 06 j 05:01	6° \mathbb{Z} 41'23	direct	-9891 Apr 14 j 18:55	6° \mathbb{I} 54'41	
opposition	-9897 Sep 03 j 06:32	1° \mathbb{Z} 38'54 -2°18'42	evening set	-9891 Aug 17 j 15:18	25° \mathbb{I} 00'12	
min. Earth dist.	-9897 Sep 02 j 19:07	1° \mathbb{Z} 42'47 4.15278 AU	max. Earth dist.	-9891 Aug 29 j 06:05	27° \mathbb{I} 39'14	6.25733 AU
	-9897 Sep 15 j 14:09	30° \mathbb{R} \mathbb{J}				
direct	-9897 Nov 01 j 12:40	26° \mathbb{J} 36'16	conjunction	-9891 Aug 30 j 00:21	27° \mathbb{I} 49'41	1°36'20
	-9897 Dec 18 j 18:09	0° \mathbb{Z}	minimum elong	-9891 Aug 30 j 00:23	27° \mathbb{I} 49'42	1°36'54
evening set	-9896 Mar 08 j 18:10	15° \mathbb{Z} 35'31		-9891 Sep 08 j 12:27	0° \mathbb{G}	
			morning rise	-9891 Sep 11 j 09:54	0° \mathbb{G} 39'31	
conjunction	-9896 Mar 22 j 10:38	18° \mathbb{Z} 41'16 -1°20'11	retrograde	-9890 Jan 15 j 13:16	19° \mathbb{G} 02'44	
minimum elong	-9896 Mar 22 j 10:43	18° \mathbb{Z} 41'19 1°20'45	opposition	-9890 Mar 18 j 02:33	14° \mathbb{G} 07'22	2°05'50
max. Earth dist.	-9896 Mar 22 j 18:31	18° \mathbb{Z} 45'44 6.19023 AU	min. Earth dist.	-9890 Mar 18 j 09:28	14° \mathbb{G} 05'09	4.22022 AU
morning rise	-9896 Apr 05 j 01:43	21° \mathbb{Z} 46'08	direct	-9890 May 17 j 23:27	9° \mathbb{G} 13'36	
	-9896 May 13 j 08:48	0° \mathbb{A}	evening set	-9890 Sep 18 j 12:11	27° \mathbb{G} 28'34	
retrograde	-9896 Aug 07 j 06:07	10° \mathbb{A} 05'37		-9890 Sep 29 j 09:59	0° \mathbb{Q}	
opposition	-9896 Oct 05 j 06:58	5° \mathbb{A} 06'49 -1°29'39				
min. Earth dist.	-9896 Oct 05 j 08:06	5° \mathbb{A} 06'26 4.22946 AU	conjunction	-9890 Oct 01 j 02:36	0° \mathbb{Q} 23'34	1°07'15
direct	-9896 Dec 04 j 19:16	0° \mathbb{A} 02'39	minimum elong	-9890 Oct 01 j 02:41	0° \mathbb{Q} 23'37	1°07'47
	-9895 Mar 26 j 15:22	15° \mathbb{A}	max. Earth dist.	-9890 Oct 01 j 01:46	0° \mathbb{Q} 23'05	6.18002 AU
evening set	-9895 Apr 12 j 16:58	18° \mathbb{A} 44'10	morning rise	-9890 Oct 13 j 19:02	3° \mathbb{Q} 19'49	
				-9890 Dec 08 j 00:29	15° \mathbb{Q}	
conjunction	-9895 Apr 26 j 05:12	21° \mathbb{A} 45'12 -0°35'51	retrograde	-9889 Feb 19 j 21:59	22° \mathbb{Q} 26'48	
minimum elong	-9895 Apr 26 j 05:16	21° \mathbb{A} 45'14 0°36'16	opposition	-9889 Apr 22 j 05:37	17° \mathbb{Q} 27'44	1°03'36
max. Earth dist.	-9895 Apr 25 j 19:09	21° \mathbb{A} 39'34 6.26577 AU	min. Earth dist.	-9889 Apr 22 j 00:34	17° \mathbb{Q} 29'22	4.14188 AU
morning rise	-9895 May 09 j 14:20	24° \mathbb{A} 44'35		-9889 May 12 j 03:00	15° \mathbb{R} \mathbb{Q}	
	-9895 Jun 02 j 19:32	0° \mathbb{H}	direct	-9889 Jun 20 j 21:13	12° \mathbb{Q} 34'52	
retrograde	-9895 Sep 08 j 04:57	12° \mathbb{H} 24'02		-9889 Jul 29 j 23:20	15° \mathbb{Q}	
opposition	-9895 Nov 06 j 16:07	7° \mathbb{H} 28'55 -0°14'01		-9889 Oct 17 j 01:55	0° \mathbb{M}	

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Attention, astronomical year style is used: The year -9889 in astronomical counting style is the year 9890 BCE in historical counting style.

evening set	-9889 Oct 21 j 19:11	1° \mathbb{M} 05'41		conjunction	-9883 May 01 j 00:06	26° \approx 28'00	-0°28'19
				minimum elong	-9883 May 01 j 00:09	26° \approx 28'02	0°28'42
conjunction	-9889 Nov 03 j 18:46	4° \mathbb{M} 07'54	0°15'16	morning rise	-9883 May 14 j 08:15	29° \approx 26'35	
minimum elong	-9889 Nov 03 j 18:48	4° \mathbb{M} 07'55	0°15'35		-9883 May 16 j 20:33	0° \mathbb{H}	
behind sun begin	-9889 Nov 03 j 16:39	4° \mathbb{M} 06'40		retrograde	-9883 Sep 12 j 17:48	17° \mathbb{H} 01'39	
behind sun end	-9889 Nov 03 j 20:57	4° \mathbb{M} 09'10		opposition	-9883 Nov 11 j 05:54	12° \mathbb{H} 06'58	-0°02'31
max. Earth dist.	-9889 Nov 04 j 10:05	4° \mathbb{M} 16'52	6.10842 AU	min. Earth dist.	-9883 Nov 11 j 19:21	12° \mathbb{H} 02'32	4.30517 AU
morning rise	-9889 Nov 16 j 21:56	7° \mathbb{M} 12'02		asc. node	-9883 Nov 23 j 12:39	10° \mathbb{H} 31'46	
desc. node	-9888 Feb 15 j 10:53	24° \mathbb{M} 26'06		direct	-9882 Jan 12 j 01:21	7° \mathbb{H} 03'12	
retrograde	-9888 Mar 27 j 00:08	26° \mathbb{M} 54'57		evening set	-9882 May 20 j 16:24	25° \mathbb{H} 23'27	
opposition	-9888 May 26 j 19:31	21° \mathbb{M} 52'15	-0°22'36				
min. Earth dist.	-9888 May 26 j 02:41	21° \mathbb{M} 57'50	4.08293 AU	conjunction	-9882 Jun 02 j 18:55	28° \mathbb{H} 18'00	0°26'11
direct	-9888 Jul 24 j 09:30	16° \mathbb{M} 58'20		minimum elong	-9882 Jun 02 j 18:53	28° \mathbb{H} 17'58	0°26'06
	-9888 Oct 30 j 09:23	0° \mathbb{L}		max. Earth dist.	-9882 Jun 01 j 17:51	28° \mathbb{H} 04'02	6.32684 AU
evening set	-9888 Nov 24 j 21:24	5° \mathbb{L} 48'24			-9882 Jun 10 j 10:13	0° \mathbb{Y}	
				morning rise	-9882 Jun 15 j 17:47	1° \mathbb{Y} 10'44	
conjunction	-9888 Dec 08 j 06:17	8° \mathbb{L} 56'23	-0°43'09	retrograde	-9882 Oct 14 j 06:42	18° \mathbb{Y} 27'59	
minimum elong	-9888 Dec 08 j 06:12	8° \mathbb{L} 56'21	0°43'11	opposition	-9882 Dec 13 j 11:38	13° \mathbb{Y} 35'39	1°13'58
max. Earth dist.	-9888 Dec 09 j 12:23	9° \mathbb{L} 14'04	6.06753 AU	min. Earth dist.	-9882 Dec 14 j 07:17	13° \mathbb{Y} 29'19	4.33925 AU
morning rise	-9888 Dec 21 j 18:25	12° \mathbb{L} 06'10		direct	-9881 Feb 13 j 21:26	8° \mathbb{Y} 33'58	
	-9887 Mar 26 j 21:06	0° \mathbb{M}		evening set	-9881 Jun 21 j 14:05	26° \mathbb{Y} 41'29	
retrograde	-9887 May 02 j 07:38	2° \mathbb{M} 03'32		max. Earth dist.	-9881 Jul 02 j 23:57	29° \mathbb{Y} 14'03	6.33978 AU
	-9887 Jun 07 j 08:45	30° \mathbb{R} \mathbb{L}					
min. Earth dist.	-9887 Jun 30 j 10:24	27° \mathbb{L} 05'46	4.06503 AU	conjunction	-9881 Jul 04 j 06:43	29° \mathbb{Y} 31'14	1°12'18
opposition	-9887 Jul 01 j 07:13	26° \mathbb{L} 58'42	-1°42'06	minimum elong	-9881 Jul 04 j 06:37	29° \mathbb{Y} 31'12	1°12'32
direct	-9887 Aug 28 j 11:29	22° \mathbb{L} 02'05			-9881 Jul 06 j 10:08	0° \mathbb{B}	
	-9887 Nov 09 j 23:45	0° \mathbb{M}		morning rise	-9881 Jul 16 j 20:37	2° \mathbb{B} 19'39	
evening set	-9887 Dec 31 j 11:46	11° \mathbb{M} 07'32			-9881 Sep 19 j 06:44	15° \mathbb{B}	
				retrograde	-9881 Nov 15 j 07:13	19° \mathbb{B} 42'32	
conjunction	-9886 Jan 14 j 02:29	14° \mathbb{M} 17'38	-1°26'19		-9880 Jan 13 j 22:30	15° \mathbb{R} \mathbb{B}	
minimum elong	-9886 Jan 14 j 02:24	14° \mathbb{M} 17'35	1°26'41	opposition	-9880 Jan 15 j 03:17	14° \mathbb{B} 50'52	2°08'40
max. Earth dist.	-9886 Jan 15 j 11:08	14° \mathbb{M} 36'40	6.07294 AU	min. Earth dist.	-9880 Jan 16 j 01:23	14° \mathbb{B} 43'50	4.33133 AU
	-9886 Jan 17 j 03:12	15° \mathbb{M}		direct	-9880 Mar 17 j 14:28	9° \mathbb{B} 52'05	
morning rise	-9886 Jan 27 j 19:31	17° \mathbb{M} 28'50			-9880 May 17 j 13:50	15° \mathbb{B}	
	-9886 Mar 27 j 23:06	0° \mathbb{X}		evening set	-9880 Jul 21 j 19:23	27° \mathbb{B} 55'02	
retrograde	-9886 Jun 06 j 18:31	7° \mathbb{X} 10'54			-9880 Jul 31 j 01:25	0° \mathbb{I}	
min. Earth dist.	-9886 Aug 04 j 07:53	2° \mathbb{X} 12'52	4.09458 AU	max. Earth dist.	-9880 Aug 02 j 01:59	0° \mathbb{I} 27'25	6.31026 AU
opposition	-9886 Aug 05 j 02:57	2° \mathbb{X} 06'20	-2°24'04				
	-9886 Aug 21 j 00:38	30° \mathbb{R} \mathbb{M}		conjunction	-9880 Aug 03 j 05:24	0° \mathbb{I} 42'55	1°37'28
direct	-9886 Oct 02 j 13:22	27° \mathbb{M} 06'18		minimum elong	-9880 Aug 03 j 05:22	0° \mathbb{I} 42'53	1°37'56
	-9886 Nov 14 j 06:52	0° \mathbb{X}		morning rise	-9880 Aug 15 j 14:10	3° \mathbb{I} 30'15	
evening set	-9885 Feb 06 j 12:59	16° \mathbb{X} 15'16		retrograde	-9880 Dec 17 j 04:45	21° \mathbb{I} 19'26	
				opposition	-9879 Feb 16 j 13:55	16° \mathbb{I} 26'27	2°26'17
conjunction	-9885 Feb 20 j 06:05	19° \mathbb{X} 24'04	-1°37'53	min. Earth dist.	-9879 Feb 17 j 05:55	16° \mathbb{I} 21'23	4.28300 AU
minimum elong	-9885 Feb 20 j 06:06	19° \mathbb{X} 24'05	1°38'26	direct	-9879 Apr 19 j 08:52	11° \mathbb{I} 30'40	
max. Earth dist.	-9885 Feb 21 j 05:02	19° \mathbb{X} 37'16	6.12302 AU	evening set	-9879 Aug 22 j 01:18	29° \mathbb{I} 37'10	
morning rise	-9885 Mar 05 j 23:32	22° \mathbb{X} 32'53			-9879 Aug 23 j 17:24	0° \mathbb{E}	
	-9885 Apr 08 j 21:11	0° \mathbb{B}					
retrograde	-9885 Jul 10 j 23:37	11° \mathbb{B} 34'51		conjunction	-9879 Sep 03 j 10:48	2° \mathbb{E} 27'15	1°33'59
opposition	-9885 Sep 07 j 23:34	6° \mathbb{B} 32'50	-2°14'11	minimum elong	-9879 Sep 03 j 10:51	2° \mathbb{E} 27'17	1°34'34
min. Earth dist.	-9885 Sep 07 j 14:20	6° \mathbb{B} 35'59	4.16021 AU	max. Earth dist.	-9879 Sep 02 j 19:24	2° \mathbb{E} 18'25	6.24666 AU
direct	-9885 Nov 06 j 10:06	1° \mathbb{B} 29'55		morning rise	-9879 Sep 15 j 20:49	5° \mathbb{E} 17'46	
evening set	-9884 Mar 13 j 19:07	20° \mathbb{B} 28'04		retrograde	-9878 Jan 20 j 11:50	23° \mathbb{E} 47'15	
				opposition	-9878 Mar 22 j 23:55	18° \mathbb{E} 51'26	1°59'21
conjunction	-9884 Mar 27 j 11:26	23° \mathbb{B} 33'22	-1°15'06	min. Earth dist.	-9878 Mar 23 j 06:15	18° \mathbb{E} 49'24	4.20807 AU
minimum elong	-9884 Mar 27 j 11:31	23° \mathbb{B} 33'25	1°15'39	direct	-9878 May 22 j 17:30	13° \mathbb{E} 57'52	
max. Earth dist.	-9884 Mar 27 j 18:04	23° \mathbb{B} 37'08	6.19912 AU		-9878 Sep 13 j 06:20	0° \mathbb{O}	
morning rise	-9884 Apr 10 j 01:51	26° \mathbb{B} 37'38		evening set	-9878 Sep 23 j 02:26	2° \mathbb{O} 15'09	
	-9884 Apr 25 j 06:48	0° \mathbb{A}					
retrograde	-9884 Aug 11 j 19:10	14° \mathbb{A} 51'13		conjunction	-9878 Oct 05 j 17:52	5° \mathbb{O} 11'10	1°01'01
opposition	-9884 Oct 09 j 21:46	9° \mathbb{A} 52'57	-1°19'56	minimum elong	-9878 Oct 05 j 17:57	5° \mathbb{O} 11'13	1°01'32
min. Earth dist.	-9884 Oct 09 j 23:16	9° \mathbb{A} 52'27	4.23891 AU	max. Earth dist.	-9878 Oct 05 j 17:53	5° \mathbb{O} 11'11	6.16752 AU
direct	-9884 Dec 09 j 13:07	4° \mathbb{A} 48'44		morning rise	-9878 Oct 18 j 11:51	8° \mathbb{O} 08'36	
	-9883 Mar 08 j 11:26	15° \mathbb{A}			-9878 Nov 18 j 05:40	15° \mathbb{O}	
evening set	-9883 Apr 17 j 12:57	23° \mathbb{A} 27'46		retrograde	-9877 Feb 24 j 22:08	27° \mathbb{O} 21'58	
max. Earth dist.	-9883 Apr 30 j 11:07	26° \mathbb{A} 20'45	6.27510 AU	opposition	-9877 Apr 27 j 05:32	22° \mathbb{O} 22'20	0°52'17
				min. Earth dist.	-9877 Apr 26 j 21:58	22° \mathbb{O} 24'48	4.13000 AU

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Attention, astronomical year style is used: The year -9877 in astronomical counting style is the year 9878 BCE in historical counting style.

direct	-9877 Jun 25 j 16:08	17°Ω29'25			-9871 Feb 15 j 12:42	15°≈	
	-9877 Sep 29 j 22:04	0°ྐ		evening set	-9871 Apr 22 j 04:03	27°≈59'59	
evening set	-9877 Oct 26 j 15:41	6°ྐ03'38			-9871 May 01 j 04:06	0°✠	
conjunction	-9877 Nov 08 j 16:51	9°ྐ06'56	0°06'56	conjunction	-9871 May 05 j 14:16	0°✠59'12	-0°20'55
minimum elong	-9877 Nov 08 j 16:52	9°ྐ06'57	0°07'13	minimum elong	-9871 May 05 j 14:18	0°✠59'14	0°21'15
behind sun begin	-9877 Nov 08 j 09:22	9°ྐ02'34		max. Earth dist.	-9871 May 04 j 23:59	0°✠51'15	6.28936 AU
behind sun end	-9877 Nov 09 j 00:23	9°ྐ11'20		morning rise	-9871 May 18 j 21:01	3°✠56'41	
max. Earth dist.	-9877 Nov 09 j 11:42	9°ྐ17'59	6.09840 AU	retrograde	-9871 Sep 16 j 23:35	21°✠26'17	
morning rise	-9877 Nov 21 j 21:22	12°ྐ12'09		asc. node	-9871 Oct 05 j 03:00	20°✠54'14	
desc. node	-9877 Dec 25 j 08:12	19°ྐ42'03		opposition	-9871 Nov 15 j 14:55	16°✠32'02	0°08'28
	-9876 Feb 25 j 02:14	0°♠		min. Earth dist.	-9871 Nov 16 j 05:15	16°✠27'20	4.31630 AU
retrograde	-9876 Apr 01 j 05:40	1°♠59'29		direct	-9870 Jan 16 j 12:47	11°✠28'28	
	-9876 May 07 j 03:17	30°ྐྐ		evening set	-9870 May 25 j 01:37	29°✠45'18	
opposition	-9876 May 31 j 21:03	26°ྐ56'24	-0°35'06		-9870 May 26 j 04:15	0°ྐ	
min. Earth dist.	-9876 May 31 j 03:58	27°ྐ02'06	4.07582 AU	max. Earth dist.	-9870 Jun 05 j 22:14	2°ྐ23'10	6.33382 AU
direct	-9876 Jul 29 j 09:28	22°ྐ02'13					
	-9876 Oct 10 j 18:53	0°♠		conjunction	-9870 Jun 07 j 02:35	2°ྐ38'56	0°33'14
evening set	-9876 Nov 30 j 00:38	10°♠55'31		minimum elong	-9870 Jun 07 j 02:32	2°ྐ38'54	0°33'11
				morning rise	-9870 Jun 20 j 00:15	5°ྐ30'52	
conjunction	-9876 Dec 13 j 10:29	14°♠04'06	-0°50'42	retrograde	-9870 Oct 18 j 14:34	22°ྐ46'54	
minimum elong	-9876 Dec 13 j 10:24	14°♠04'03	0°50'46	opposition	-9870 Dec 17 j 20:37	17°ྐ54'50	1°23'00
max. Earth dist.	-9876 Dec 14 j 17:36	14°♠22'22	6.06405 AU	min. Earth dist.	-9870 Dec 18 j 18:36	17°ྐ47'46	4.34164 AU
morning rise	-9876 Dec 26 j 23:46	17°♠14'28		direct	-9869 Feb 18 j 08:31	12°ྐ53'26	
	-9875 Feb 25 j 01:05	0°ྐ			-9869 Jun 21 j 07:20	0°✠	
retrograde	-9875 May 07 j 09:52	7°ྐ11'55		evening set	-9869 Jun 25 j 19:37	0°✠59'52	
min. Earth dist.	-9875 Jul 05 j 09:26	2°ྐ14'33	4.06619 AU	max. Earth dist.	-9869 Jul 07 j 03:57	3°✠31'44	6.33712 AU
opposition	-9875 Jul 06 j 07:42	2°ྐ06'59	-1°50'55				
	-9875 Jul 22 j 10:35	30°ྐ♠		conjunction	-9869 Jul 08 j 11:16	3°✠49'15	1°17'07
direct	-9875 Sep 02 j 10:37	27°♠09'59		minimum elong	-9869 Jul 08 j 11:11	3°✠49'12	1°17'23
	-9875 Oct 14 j 07:29	0°ྐ		morning rise	-9869 Jul 21 j 00:08	6°✠37'21	
	-9875 Dec 31 j 05:32	15°ྐ			-9869 Aug 29 j 17:16	15°✠	
evening set	-9874 Jan 05 j 18:42	16°ྐ16'43		retrograde	-9869 Nov 19 j 16:03	24°✠03'24	
				opposition	-9868 Jan 19 j 14:34	19°✠11'41	2°13'26
conjunction	-9874 Jan 19 j 09:55	19°ྐ26'45	-1°30'06	min. Earth dist.	-9868 Jan 20 j 12:03	19°✠04'52	4.32405 AU
minimum elong	-9874 Jan 19 j 09:51	19°ྐ26'42	1°30'30		-9868 Feb 28 j 04:22	15°✠✠	
max. Earth dist.	-9874 Jan 20 j 18:35	19°ྐ45'45	6.07878 AU	direct	-9868 Mar 21 j 22:54	14°✠13'19	
morning rise	-9874 Feb 02 j 03:10	22°ྐ37'43			-9868 Apr 13 j 19:22	15°✠	
	-9874 Mar 07 j 05:25	0°✠			-9868 Jul 15 j 17:42	0°ྐ	
retrograde	-9874 Jun 11 j 17:21	12°✠14'39		evening set	-9868 Jul 26 j 01:01	2°ྐ17'41	
min. Earth dist.	-9874 Aug 09 j 06:22	7°✠16'24	4.10475 AU	max. Earth dist.	-9868 Aug 06 j 07:38	4°ྐ50'32	6.29881 AU
opposition	-9874 Aug 10 j 00:11	7°✠10'17	-2°25'47				
direct	-9874 Oct 07 j 14:26	2°✠09'48		conjunction	-9868 Aug 07 j 10:35	5°ྐ05'48	1°38'43
evening set	-9873 Feb 11 j 17:57	21°✠16'41		minimum elong	-9868 Aug 07 j 10:33	5°ྐ05'47	1°39'12
				morning rise	-9868 Aug 19 j 19:09	7°ྐ53'30	
conjunction	-9873 Feb 25 j 11:11	24°✠24'55	-1°36'35	retrograde	-9868 Dec 21 j 21:31	25°ྐ49'23	
minimum elong	-9873 Feb 25 j 11:13	24°✠24'56	1°37'09	opposition	-9867 Feb 21 j 05:47	20°ྐ56'12	2°25'14
max. Earth dist.	-9873 Feb 26 j 10:00	24°✠37'59	6.13682 AU	min. Earth dist.	-9867 Feb 21 j 22:04	20°ྐ51'02	4.26811 AU
morning rise	-9873 Mar 11 j 04:14	27°✠32'57		direct	-9867 Apr 23 j 21:53	16°ྐ00'48	
	-9873 Mar 22 j 01:07	0°✠			-9867 Aug 07 j 18:53	0°♠	
retrograde	-9873 Jul 15 j 15:17	16°✠26'19		evening set	-9867 Aug 26 j 10:11	4°♠10'39	
opposition	-9873 Sep 12 j 16:01	11°✠24'46	-2°08'43				
min. Earth dist.	-9873 Sep 12 j 07:14	11°✠27'46	4.17629 AU	conjunction	-9867 Sep 07 j 20:16	7°♠01'40	1°31'02
direct	-9873 Nov 11 j 06:07	6°✠21'36		minimum elong	-9867 Sep 07 j 20:20	7°♠01'42	1°31'37
evening set	-9872 Mar 18 j 17:49	25°✠15'08		max. Earth dist.	-9867 Sep 07 j 05:42	6°♠53'18	6.22965 AU
				morning rise	-9867 Sep 20 j 07:15	9°♠53'18	
conjunction	-9872 Apr 01 j 09:23	28°✠19'28	-1°09'39	retrograde	-9866 Jan 25 j 08:40	28°♠31'21	
minimum elong	-9872 Apr 01 j 09:29	28°✠19'31	1°10'10	opposition	-9866 Mar 27 j 20:56	23°♠35'03	1°52'05
max. Earth dist.	-9872 Apr 01 j 12:09	28°✠21'02	6.21616 AU	min. Earth dist.	-9866 Mar 28 j 00:26	23°♠33'56	4.19025 AU
	-9872 Apr 08 j 19:46	0°≈		direct	-9866 May 27 j 08:24	18°♠41'45	
morning rise	-9872 Apr 14 j 23:11	1°≈22'43			-9866 Aug 27 j 02:03	0°Ω	
	-9872 Jun 22 j 22:44	15°≈		evening set	-9866 Sep 27 j 17:24	7°Ω03'28	
retrograde	-9872 Aug 16 j 06:14	19°≈27'58					
	-9872 Oct 10 j 16:39	15°ྐ≈		conjunction	-9866 Oct 10 j 10:16	10°Ω00'49	0°54'19
opposition	-9872 Oct 14 j 09:52	14°≈30'12	-1°09'59	minimum elong	-9866 Oct 10 j 10:20	10°Ω00'52	0°54'47
min. Earth dist.	-9872 Oct 14 j 13:57	14°≈28'50	4.25516 AU	max. Earth dist.	-9866 Oct 10 j 14:05	10°Ω03'03	6.15064 AU
direct	-9872 Dec 14 j 07:20	9°≈25'53		morning rise	-9866 Oct 23 j 05:40	12°Ω59'39	

Attention, astronomical year style is used: The year -9866 in astronomical counting style is the year 9867 BCE in historical counting style.

	-9866 Oct 31 j 23:02	15°♏		opposition	-9860 Oct 18 j 23:16	19°♏11'34	-0°59'33
	-9865 Jan 21 j 10:43	0°♐		min. Earth dist.	-9860 Oct 19 j 04:45	19°♏09'44	4.26655 AU
retrograde	-9865 Mar 02 j 02:56	2°♐20'58			-9860 Nov 25 j 08:06	15°♐	
	-9865 Apr 10 j 20:21	30°♐♏		direct	-9860 Dec 19 j 00:11	14°♏07'16	
opposition	-9865 May 02 j 07:03	27°♏20'49	0°40'24		-9859 Jan 11 j 23:21	15°♏	
min. Earth dist.	-9865 May 01 j 22:14	27°♏23'42	4.11536 AU		-9859 Apr 14 j 20:02	0°♐	
direct	-9865 Jun 30 j 14:26	22°♏27'53		evening set	-9859 Apr 26 j 21:20	2°♐38'19	
	-9865 Sep 10 j 05:09	0°♐					
evening set	-9865 Oct 31 j 14:28	11°♐06'23		conjunction	-9859 May 10 j 06:18	5°♐36'42	-0°13'15
desc. node	-9865 Nov 02 j 11:31	11°♐32'42		minimum elong	-9859 May 10 j 06:19	5°♐36'42	0°13'32
				behind sun begin	-9859 May 10 j 01:52	5°♐34'14	
conjunction	-9865 Nov 13 j 16:59	14°♐10'48	-0°01'42	behind sun end	-9859 May 10 j 10:46	5°♐39'10	
minimum elong	-9865 Nov 13 j 17:00	14°♐10'48	0°01'30	max. Earth dist.	-9859 May 09 j 12:01	5°♐26'31	6.29833 AU
behind sun begin	-9865 Nov 13 j 08:47	14°♐06'01		morning rise	-9859 May 23 j 12:02	8°♐33'22	
behind sun end	-9865 Nov 14 j 01:12	14°♐15'36		asc. node	-9859 Aug 14 j 17:53	23°♐46'23	
max. Earth dist.	-9865 Nov 14 j 14:21	14°♐23'21	6.08736 AU	retrograde	-9859 Sep 21 j 11:00	25°♐59'32	
morning rise	-9865 Nov 26 j 23:08	17°♐17'11		opposition	-9859 Nov 20 j 03:37	21°♐05'39	0°19'42
	-9864 Jan 25 j 20:49	0°♑		min. Earth dist.	-9859 Nov 20 j 20:07	21°♐00'16	4.32231 AU
retrograde	-9864 Apr 06 j 10:30	7°♑08'40		direct	-9858 Jan 21 j 04:40	16°♐02'15	
opposition	-9864 Jun 05 j 23:45	2°♑05'10	-0°47'31		-9858 May 09 j 18:54	0°♑	
min. Earth dist.	-9864 Jun 05 j 04:08	2°♑11'44	4.06965 AU	evening set	-9858 May 29 j 14:11	4°♑17'14	
	-9864 Jun 22 j 02:47	30°♐♐		max. Earth dist.	-9858 Jun 10 j 09:38	6°♑54'27	6.33639 AU
direct	-9864 Aug 03 j 08:37	27°♐10'41					
	-9864 Sep 14 j 02:50	0°♑		conjunction	-9858 Jun 11 j 13:57	7°♑10'12	0°40'21
evening set	-9864 Dec 05 j 05:55	16°♑06'46		minimum elong	-9858 Jun 11 j 13:53	7°♑10'10	0°40'21
				morning rise	-9858 Jun 24 j 10:07	10°♑01'26	
conjunction	-9864 Dec 18 j 16:45	19°♑15'48	-0°57'57	retrograde	-9858 Oct 23 j 01:23	27°♑17'44	
minimum elong	-9864 Dec 18 j 16:39	19°♑15'45	0°58'04	opposition	-9858 Dec 22 j 10:21	22°♑25'49	1°31'58
max. Earth dist.	-9864 Dec 20 j 01:32	19°♑35'02	6.06286 AU	min. Earth dist.	-9858 Dec 23 j 08:07	22°♑18'51	4.34087 AU
morning rise	-9863 Jan 01 j 06:48	22°♑26'29		direct	-9857 Feb 22 j 21:48	17°♑24'51	
	-9863 Feb 03 j 23:48	0°♒			-9857 Jun 04 j 17:27	0°♒	
retrograde	-9863 May 12 j 13:02	12°♒22'37		evening set	-9857 Jun 30 j 06:05	5°♒30'54	
min. Earth dist.	-9863 Jul 10 j 10:37	7°♒24'59	4.06991 AU				
opposition	-9863 Jul 11 j 08:33	7°♒17'30	-1°58'55	conjunction	-9857 Jul 12 j 20:27	8°♒19'55	1°21'44
direct	-9863 Sep 07 j 12:45	2°♒19'57		minimum elong	-9857 Jul 12 j 20:22	8°♒19'52	1°22'02
	-9863 Dec 13 j 08:39	15°♒		max. Earth dist.	-9857 Jul 11 j 12:08	8°♒01'48	6.33291 AU
evening set	-9862 Jan 11 j 01:59	21°♒26'55		morning rise	-9857 Jul 25 j 08:32	11°♒07'47	
					-9857 Aug 12 j 00:05	15°♒	
conjunction	-9862 Jan 24 j 17:43	24°♒36'46	-1°33'13	retrograde	-9857 Nov 24 j 08:19	28°♒37'24	
minimum elong	-9862 Jan 24 j 17:40	24°♒36'44	1°33'39	opposition	-9856 Jan 24 j 07:24	23°♒45'35	2°17'42
max. Earth dist.	-9862 Jan 26 j 03:08	24°♒56'09	6.08657 AU	min. Earth dist.	-9856 Jan 25 j 05:22	23°♒38'37	4.31688 AU
morning rise	-9862 Feb 07 j 11:02	27°♒47'22		direct	-9856 Mar 26 j 14:52	18°♒47'39	
	-9862 Feb 17 j 03:10	0°♓			-9856 Jun 28 j 16:48	0°♓	
retrograde	-9862 Jun 16 j 15:18	17°♓18'13		evening set	-9856 Jul 30 j 11:16	6°♓52'52	
opposition	-9862 Aug 14 j 21:00	12°♓14'08	-2°26'27				
min. Earth dist.	-9862 Aug 14 j 03:43	12°♓20'03	4.11569 AU	conjunction	-9856 Aug 11 j 20:38	9°♓41'14	1°39'29
direct	-9862 Oct 12 j 13:38	7°♓13'12		minimum elong	-9856 Aug 11 j 20:37	9°♓41'14	1°40'00
evening set	-9861 Feb 16 j 22:37	26°♓17'55		max. Earth dist.	-9856 Aug 10 j 19:29	9°♓26'57	6.28929 AU
				morning rise	-9856 Aug 24 j 05:07	12°♓29'18	
conjunction	-9861 Mar 02 j 15:37	29°♓25'31	-1°34'37		-9856 Dec 08 j 08:48	0°♔	
minimum elong	-9861 Mar 02 j 15:40	29°♓25'33	1°35'12	retrograde	-9856 Dec 26 j 16:15	0°♔30'58	
max. Earth dist.	-9861 Mar 03 j 10:34	29°♓36'21	6.14962 AU		-9855 Jan 14 j 01:22	30°♐♓	
	-9861 Mar 05 j 03:59	0°♔		opposition	-9855 Feb 26 j 02:26	25°♓37'26	2°23'16
morning rise	-9861 Mar 16 j 08:29	2°♔32'52		min. Earth dist.	-9855 Feb 26 j 16:08	25°♓33'05	4.25720 AU
retrograde	-9861 Jul 20 j 07:42	21°♔18'28		direct	-9855 Apr 28 j 14:01	20°♓42'28	
opposition	-9861 Sep 17 j 08:34	16°♔17'24	-2°02'29		-9855 Jul 20 j 18:05	0°♔	
min. Earth dist.	-9861 Sep 17 j 01:59	16°♔19'38	4.18957 AU	evening set	-9855 Aug 30 j 22:50	8°♔53'50	
direct	-9861 Nov 16 j 04:14	11°♔13'54					
evening set	-9860 Mar 23 j 16:51	0°♔04'09		conjunction	-9855 Sep 12 j 09:30	11°♔45'35	1°27'27
	-9860 Mar 23 j 09:24	0°♔		minimum elong	-9855 Sep 12 j 09:34	11°♔45'38	1°28'02
				max. Earth dist.	-9855 Sep 11 j 21:51	11°♔38'52	6.21849 AU
conjunction	-9860 Apr 06 j 08:03	3°♔07'47	-1°03'43	morning rise	-9855 Sep 24 j 21:21	14°♔38'05	
minimum elong	-9860 Apr 06 j 08:08	3°♔07'50	1°04'15		-9855 Dec 13 j 06:25	0°♏	
max. Earth dist.	-9860 Apr 06 j 09:14	3°♔08'27	6.22909 AU	retrograde	-9854 Jan 30 j 09:57	3°♏22'25	
morning rise	-9860 Apr 19 j 20:52	6°♔10'08			-9854 Mar 20 j 09:36	30°♐♔	
	-9860 May 31 j 13:25	15°♔		opposition	-9854 Apr 01 j 21:04	28°♔25'36	1°43'53
retrograde	-9860 Aug 20 j 18:29	24°♔08'46		min. Earth dist.	-9854 Apr 01 j 23:11	28°♔24'55	4.17962 AU

Attention, astronomical year style is used: The year -9854 in astronomical counting style is the year 9855 BCE in historical counting style.

direct	-9854 Jun 01 j 05:33	23° \mathfrak{D} 32'28		evening set	-9848 Mar 28 j 13:05	4° \approx 46'33	
	-9854 Aug 06 j 20:25	0° \mathcal{Q}					
evening set	-9854 Oct 02 j 10:27	11° \mathcal{Q} 55'52		conjunction	-9848 Apr 11 j 03:39	7° \approx 49'39	-0°57'30
				minimum elong	-9848 Apr 11 j 03:44	7° \approx 49'42	0°58'00
conjunction	-9854 Oct 15 j 04:35	14° \mathcal{Q} 54'11	0°47'11	max. Earth dist.	-9848 Apr 11 j 00:43	7° \approx 48'00	6.23742 AU
minimum elong	-9854 Oct 15 j 04:39	14° \mathcal{Q} 54'13	0°47'39	morning rise	-9848 Apr 24 j 15:54	10° \approx 51'25	
max. Earth dist.	-9854 Oct 15 j 11:20	14° \mathcal{Q} 58'07	6.14177 AU		-9848 May 13 j 13:01	15° \approx	
	-9854 Oct 15 j 14:34	15° \mathcal{Q}		retrograde	-9848 Aug 25 j 05:40	28° \approx 45'32	
morning rise	-9854 Oct 28 j 01:31	17° \mathcal{Q} 54'05		opposition	-9848 Oct 23 j 11:38	23° \approx 48'52	-0°48'56
	-9854 Dec 24 j 04:08	0° \mathfrak{M}		min. Earth dist.	-9848 Oct 23 j 18:55	23° \approx 46'26	4.27299 AU
retrograde	-9853 Mar 07 j 04:46	7° \mathfrak{M} 19'52		direct	-9848 Dec 23 j 15:49	18° \approx 44'35	
opposition	-9853 May 07 j 08:11	2° \mathfrak{M} 19'10	0°28'16		-9847 Mar 28 j 11:50	0° \mathfrak{H}	
min. Earth dist.	-9853 May 06 j 20:38	2° \mathfrak{M} 22'58	4.10912 AU	evening set	-9847 May 01 j 13:19	7° \mathfrak{H} 14'19	
	-9853 May 25 j 19:00	30° \mathfrak{R} \mathcal{Q}					
direct	-9853 Jul 05 j 11:11	27° \mathcal{Q} 26'09		conjunction	-9847 May 14 j 21:17	10° \mathfrak{H} 12'06	-0°05'35
	-9853 Aug 14 j 12:09	0° \mathfrak{M}		minimum elong	-9847 May 14 j 21:18	10° \mathfrak{H} 12'07	0°05'50
desc. node	-9853 Sep 11 j 18:24	4° \mathfrak{M} 22'01		behind sun begin	-9847 May 14 j 13:30	10° \mathfrak{H} 07'48	
evening set	-9853 Nov 05 j 12:46	16° \mathfrak{M} 06'10		behind sun end	-9847 May 15 j 05:05	10° \mathfrak{H} 16'26	
				max. Earth dist.	-9847 May 14 j 02:11	10° \mathfrak{H} 01'28	6.30266 AU
conjunction	-9853 Nov 18 j 16:33	19° \mathfrak{M} 11'17	-0°10'07	morning rise	-9847 May 28 j 01:43	13° \mathfrak{H} 08'07	
minimum elong	-9853 Nov 18 j 16:32	19° \mathfrak{M} 11'16	0°09'56	asc. node	-9847 Jun 24 j 05:12	18° \mathfrak{H} 58'32	
behind sun begin	-9853 Nov 18 j 09:53	19° \mathfrak{M} 07'23			-9847 Sep 07 j 13:06	0° \mathfrak{Y}	
behind sun end	-9853 Nov 18 j 23:11	19° \mathfrak{M} 15'09		retrograde	-9847 Sep 25 j 22:14	0° \mathfrak{Y} 32'39	
max. Earth dist.	-9853 Nov 19 j 16:03	19° \mathfrak{M} 25'05	6.08421 AU		-9847 Oct 14 j 06:22	30° \mathfrak{R} \mathfrak{H}	
morning rise	-9853 Dec 01 j 23:57	22° \mathfrak{M} 18'20		opposition	-9847 Nov 24 j 16:25	25° \mathfrak{H} 39'12	0°30'47
	-9852 Jan 05 j 07:56	0° \mathfrak{L}		min. Earth dist.	-9847 Nov 25 j 09:39	25° \mathfrak{H} 33'35	4.32432 AU
retrograde	-9852 Apr 11 j 12:36	12° \mathfrak{L} 11'01		direct	-9846 Jan 25 j 18:59	20° \mathfrak{H} 36'10	
opposition	-9852 Jun 10 j 23:48	7° \mathfrak{L} 07'05	-0°59'15		-9846 Apr 21 j 17:30	0° \mathfrak{Y}	
min. Earth dist.	-9852 Jun 10 j 03:43	7° \mathfrak{L} 13'50	4.06981 AU	evening set	-9846 Jun 03 j 03:09	8° \mathfrak{Y} 50'30	
direct	-9852 Aug 08 j 07:56	2° \mathfrak{L} 12'13		max. Earth dist.	-9846 Jun 14 j 19:09	11° \mathfrak{Y} 26'02	6.33584 AU
evening set	-9852 Dec 10 j 08:05	21° \mathfrak{L} 09'09					
				conjunction	-9846 Jun 16 j 01:27	11° \mathfrak{Y} 42'55	0°47'14
conjunction	-9852 Dec 23 j 19:50	24° \mathfrak{L} 18'22	-1°04'32	minimum elong	-9846 Jun 16 j 01:23	11° \mathfrak{Y} 42'53	0°47'17
minimum elong	-9852 Dec 23 j 19:44	24° \mathfrak{L} 18'18	1°04'43	morning rise	-9846 Jun 28 j 20:33	14° \mathfrak{Y} 33'41	
max. Earth dist.	-9852 Dec 25 j 06:13	24° \mathfrak{L} 38'30	6.06617 AU		-9846 Sep 22 j 22:00	0° \mathfrak{B}	
morning rise	-9851 Jan 06 j 10:30	27° \mathfrak{L} 29'08		retrograde	-9846 Oct 27 j 15:12	1° \mathfrak{B} 51'21	
	-9851 Jan 17 j 08:32	0° \mathfrak{M}			-9846 Dec 01 j 15:17	30° \mathfrak{R} \mathfrak{Y}	
	-9851 Apr 08 j 10:08	15° \mathfrak{M}		opposition	-9846 Dec 27 j 01:31	26° \mathfrak{Y} 59'33	1°40'26
retrograde	-9851 May 17 j 11:52	17° \mathfrak{M} 22'22		min. Earth dist.	-9846 Dec 27 j 23:42	26° \mathfrak{Y} 52'26	4.33812 AU
	-9851 Jun 25 j 04:50	15° \mathfrak{R} \mathfrak{M}		direct	-9845 Feb 27 j 13:17	21° \mathfrak{Y} 58'59	
min. Earth dist.	-9851 Jul 15 j 07:39	12° \mathfrak{M} 24'39	4.07621 AU		-9845 May 16 j 21:43	0° \mathfrak{B}	
opposition	-9851 Jul 16 j 05:18	12° \mathfrak{M} 17'17	-2°05'44	evening set	-9845 Jul 04 j 17:03	10° \mathfrak{B} 05'00	
direct	-9851 Sep 12 j 09:56	7° \mathfrak{M} 19'17		max. Earth dist.	-9845 Jul 16 j 00:27	12° \mathfrak{B} 36'52	6.32811 AU
	-9851 Nov 23 j 18:13	15° \mathfrak{M}					
evening set	-9850 Jan 16 j 05:17	26° \mathfrak{M} 25'56		conjunction	-9845 Jul 17 j 06:33	12° \mathfrak{B} 53'46	1°25'53
				minimum elong	-9845 Jul 17 j 06:29	12° \mathfrak{B} 53'44	1°26'13
conjunction	-9850 Jan 29 j 21:11	29° \mathfrak{M} 35'30	-1°35'32		-9845 Jul 26 j 15:30	15° \mathfrak{B}	
minimum elong	-9850 Jan 29 j 21:08	29° \mathfrak{M} 35'28	1°35'59	morning rise	-9845 Jul 29 j 17:39	15° \mathfrak{B} 41'27	
max. Earth dist.	-9850 Jan 31 j 03:24	29° \mathfrak{M} 53'00	6.09491 AU		-9845 Oct 13 j 03:11	0° \mathfrak{I}	
	-9850 Jan 31 j 15:31	0° \mathfrak{Z}		retrograde	-9845 Nov 28 j 23:42	3° \mathfrak{I} 14'45	
morning rise	-9850 Feb 12 j 14:44	2° \mathfrak{Z} 45'44			-9844 Jan 16 j 00:42	30° \mathfrak{R} \mathfrak{B}	
retrograde	-9850 Jun 21 j 08:40	22° \mathfrak{Z} 10'50		opposition	-9844 Jan 29 j 01:34	28° \mathfrak{B} 22'47	2°21'08
opposition	-9850 Aug 19 j 13:41	17° \mathfrak{Z} 07'04	-2°26'04	min. Earth dist.	-9844 Jan 29 j 21:47	28° \mathfrak{B} 16'23	4.31052 AU
min. Earth dist.	-9850 Aug 18 j 21:58	17° \mathfrak{Z} 12'27	4.12523 AU	direct	-9844 Mar 31 j 06:38	23° \mathfrak{B} 25'22	
direct	-9850 Oct 17 j 09:59	12° \mathfrak{Z} 05'40			-9844 Jun 08 j 18:27	0° \mathfrak{I}	
	-9849 Feb 16 j 20:54	0° \mathfrak{Z}		evening set	-9844 Aug 03 j 22:16	11° \mathfrak{I} 30'47	
evening set	-9849 Feb 21 j 23:13	1° \mathfrak{Z} 09'02		max. Earth dist.	-9844 Aug 15 j 07:10	14° \mathfrak{I} 05'36	6.28171 AU
conjunction	-9849 Mar 07 j 16:21	4° \mathfrak{Z} 16'15	-1°32'03	conjunction	-9844 Aug 16 j 07:14	14° \mathfrak{I} 19'18	1°39'37
minimum elong	-9849 Mar 07 j 16:25	4° \mathfrak{Z} 16'17	1°32'37	minimum elong	-9844 Aug 16 j 07:14	14° \mathfrak{I} 19'18	1°40'09
max. Earth dist.	-9849 Mar 08 j 09:40	4° \mathfrak{Z} 26'07	6.15972 AU	morning rise	-9844 Aug 28 j 15:50	17° \mathfrak{I} 07'42	
morning rise	-9849 Mar 21 j 08:45	7° \mathfrak{Z} 23'00			-9844 Oct 31 j 16:16	0° \mathfrak{D}	
retrograde	-9849 Jul 24 j 22:36	26° \mathfrak{Z} 02'17		retrograde	-9844 Dec 31 j 12:56	5° \mathfrak{D} 14'23	
opposition	-9849 Sep 21 j 22:14	21° \mathfrak{Z} 01'48	-1°55'38	opposition	-9843 Mar 02 j 23:36	0° \mathfrak{D} 20'25	2°20'20
min. Earth dist.	-9849 Sep 21 j 17:42	21° \mathfrak{Z} 03'21	4.19913 AU	min. Earth dist.	-9843 Mar 03 j 12:09	0° \mathfrak{D} 16'25	4.24871 AU
direct	-9849 Nov 20 j 21:27	15° \mathfrak{Z} 58'08			-9843 Mar 05 j 15:52	30° \mathfrak{R} \mathfrak{I}	
	-9848 Mar 06 j 17:00	0° \approx		direct	-9843 May 03 j 08:54	25° \mathfrak{I} 25'44	

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Attention, astronomical year style is used: The year -9843 in astronomical counting style is the year 9844 BCE in historical counting style.

	-9843 Jun 28 j 11:26	0°☾		minimum elong	-9837 Mar 12 j 18:02	9°☾09'33	1°29'23
evening set	-9843 Sep 04 j 11:29	13°☾37'40		max. Earth dist.	-9837 Mar 13 j 07:45	9°☾17'21	6.16796 AU
				morning rise	-9837 Mar 26 j 10:09	12°☾15'47	
conjunction	-9843 Sep 16 j 22:57	16°☾30'07	1°23'19		-9837 Jul 07 j 05:08	0°☾	
minimum elong	-9843 Sep 16 j 23:01	16°☾30'09	1°23'52	retrograde	-9837 Jul 29 j 12:25	0°☾49'13	
max. Earth dist.	-9843 Sep 16 j 14:21	16°☾25'09	6.20984 AU		-9837 Aug 20 j 16:48	30°☾	
morning rise	-9843 Sep 29 j 11:42	19°☾23'24		opposition	-9837 Sep 26 j 13:13	25°☾49'13	-1°47'56
	-9843 Nov 18 j 07:24	0°☾		min. Earth dist.	-9837 Sep 26 j 09:55	25°☾50'20	4.20733 AU
retrograde	-9842 Feb 04 j 08:37	8°☾12'50		direct	-9837 Nov 25 j 15:49	20°☾45'18	
opposition	-9842 Apr 06 j 20:09	3°☾15'30	1°34'59		-9836 Feb 17 j 02:14	0°☾	
min. Earth dist.	-9842 Apr 06 j 19:51	3°☾15'35	4.17131 AU	evening set	-9836 Apr 02 j 10:49	9°☾32'12	
	-9842 May 04 j 14:40	30°☾					
direct	-9842 Jun 06 j 00:10	28°☾22'29		conjunction	-9836 Apr 16 j 00:47	12°☾34'44	-0°50'49
	-9842 Jul 08 j 01:51	0°☾		minimum elong	-9836 Apr 16 j 00:52	12°☾34'47	0°51'18
	-9842 Sep 29 j 09:20	15°☾		max. Earth dist.	-9836 Apr 15 j 19:42	12°☾31'52	6.24519 AU
evening set	-9842 Oct 07 j 02:59	16°☾47'03			-9836 Apr 26 j 19:54	15°☾	
				morning rise	-9836 Apr 29 j 12:08	15°☾35'50	
conjunction	-9842 Oct 19 j 22:18	19°☾46'13	0°39'47		-9836 Jul 13 j 15:05	0°☾	
minimum elong	-9842 Oct 19 j 22:22	19°☾46'15	0°40'12	retrograde	-9836 Aug 29 j 19:12	3°☾25'29	
max. Earth dist.	-9842 Oct 20 j 06:57	19°☾51'16	6.13448 AU		-9836 Oct 16 j 11:29	30°☾	
morning rise	-9842 Nov 01 j 20:41	22°☾47'05		opposition	-9836 Oct 28 j 01:33	28°☾29'21	-0°37'51
	-9842 Dec 04 j 03:12	0°☾		min. Earth dist.	-9836 Oct 28 j 10:42	28°☾26'19	4.27960 AU
retrograde	-9841 Mar 12 j 06:41	12°☾16'56		direct	-9836 Dec 28 j 09:24	23°☾25'11	
opposition	-9841 May 12 j 08:03	7°☾15'40	0°16'00		-9835 Mar 08 j 03:34	0°☾	
min. Earth dist.	-9841 May 11 j 19:20	7°☾19'52	4.10326 AU	asc. node	-9835 May 02 j 17:05	11°☾06'05	
direct	-9841 Jul 10 j 08:22	2°☾22'26		evening set	-9835 May 06 j 06:38	11°☾53'15	
desc. node	-9841 Jul 22 j 23:01	2°☾38'31					
evening set	-9841 Nov 10 j 10:24	21°☾04'14		conjunction	-9835 May 19 j 13:24	14°☾50'22	0°02'22
				minimum elong	-9835 May 19 j 13:24	14°☾50'22	0°02'09
conjunction	-9841 Nov 23 j 15:31	24°☾10'03	-0°18'22	behind sun begin	-9835 May 19 j 05:15	14°☾45'51	
minimum elong	-9841 Nov 23 j 15:29	24°☾10'02	0°18'15	behind sun end	-9835 May 19 j 21:33	14°☾54'53	
max. Earth dist.	-9841 Nov 24 j 17:37	24°☾25'22	6.08042 AU	max. Earth dist.	-9835 May 18 j 16:06	14°☾38'30	6.30766 AU
morning rise	-9841 Dec 07 j 00:04	27°☾17'47		morning rise	-9835 Jun 01 j 16:41	17°☾45'41	
	-9841 Dec 18 j 17:15	0°☾			-9835 Aug 02 j 08:28	0°☾	
retrograde	-9840 Apr 16 j 13:56	17°☾11'44		retrograde	-9835 Sep 30 j 10:10	5°☾08'21	
opposition	-9840 Jun 15 j 22:31	12°☾07'32	-1°10'30	opposition	-9835 Nov 29 j 06:53	0°☾15'12	0°41'49
min. Earth dist.	-9840 Jun 15 j 02:03	12°☾14'25	4.06871 AU	min. Earth dist.	-9835 Nov 30 j 00:32	0°☾09'28	4.32769 AU
direct	-9840 Aug 13 j 04:44	7°☾12'17			-9835 Dec 01 j 05:39	30°☾	
evening set	-9840 Dec 15 j 10:32	26°☾10'57		direct	-9834 Jan 30 j 11:13	25°☾12'27	
					-9834 Mar 30 j 12:47	0°☾	
conjunction	-9840 Dec 28 j 22:54	29°☾20'22	-1°10'38	evening set	-9834 Jun 07 j 16:40	13°☾25'24	
minimum elong	-9840 Dec 28 j 22:48	29°☾20'19	1°10'52	max. Earth dist.	-9834 Jun 19 j 08:22	16°☾00'49	6.33743 AU
max. Earth dist.	-9840 Dec 30 j 07:44	29°☾39'35	6.06755 AU				
	-9840 Dec 31 j 18:40	0°☾		conjunction	-9834 Jun 20 j 13:39	16°☾17'09	0°53'53
morning rise	-9839 Jan 11 j 14:20	2°☾31'18		minimum elong	-9834 Jun 20 j 13:34	16°☾17'07	0°54'00
	-9839 Mar 11 j 07:21	15°☾		morning rise	-9834 Jul 03 j 07:19	19°☾07'17	
retrograde	-9839 May 22 j 09:32	22°☾22'15			-9834 Aug 25 j 20:40	0°☾	
min. Earth dist.	-9839 Jul 20 j 04:11	17°☾24'27	4.08010 AU	retrograde	-9834 Nov 01 j 04:24	6°☾25'37	
opposition	-9839 Jul 21 j 01:29	17°☾17'10	-2°11'40	opposition	-9834 Dec 31 j 17:27	1°☾33'56	1°48'19
	-9839 Aug 07 j 12:00	15°☾		min. Earth dist.	-9833 Jan 01 j 15:23	1°☾26'56	4.33801 AU
direct	-9839 Sep 17 j 07:34	12°☾18'37			-9833 Jan 13 j 04:45	30°☾	
	-9839 Oct 28 j 04:08	15°☾		direct	-9833 Mar 04 j 05:39	26°☾33'53	
	-9838 Jan 15 j 02:47	0°☾			-9833 Apr 22 j 14:07	0°☾	
evening set	-9838 Jan 21 j 09:02	1°☾25'58		evening set	-9833 Jul 09 j 04:11	14°☾38'43	
					-9833 Jul 10 j 18:20	15°☾	
conjunction	-9838 Feb 04 j 01:28	4°☾35'26	-1°37'10	max. Earth dist.	-9833 Jul 20 j 10:06	17°☾09'58	6.32608 AU
minimum elong	-9838 Feb 04 j 01:26	4°☾35'24	1°37'40				
max. Earth dist.	-9838 Feb 05 j 07:13	4°☾52'37	6.10094 AU	conjunction	-9833 Jul 21 j 16:32	17°☾27'05	1°29'30
morning rise	-9838 Feb 17 j 18:56	7°☾45'21		minimum elong	-9833 Jul 21 j 16:28	17°☾27'02	1°29'52
retrograde	-9838 Jun 26 j 04:41	27°☾05'20		morning rise	-9833 Aug 03 j 03:00	20°☾14'32	
opposition	-9838 Aug 24 j 07:11	22°☾01'57	-2°24'41		-9833 Sep 18 j 22:31	0°☾	
min. Earth dist.	-9838 Aug 23 j 17:25	22°☾06'39	4.13273 AU	retrograde	-9833 Dec 03 j 15:48	7°☾50'36	
direct	-9838 Oct 22 j 06:44	17°☾00'08		opposition	-9832 Feb 02 j 19:28	2°☾58'26	2°23'37
	-9837 Jan 30 j 14:32	0°☾		min. Earth dist.	-9832 Feb 03 j 14:50	2°☾52'18	4.30679 AU
evening set	-9837 Feb 27 j 00:59	6°☾02'40			-9832 Feb 28 j 00:58	30°☾	
				direct	-9832 Apr 04 j 23:11	28°☾01'23	
conjunction	-9837 Mar 12 j 17:58	9°☾09'30	-1°28'49		-9832 May 11 j 14:08	0°☾	

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Attention, astronomical year style is used: The year -9832 in astronomical counting style is the year 9833 BCE in historical counting style.

evening set	-9832 Aug 08 j 08:19	16° Π 06'09			-9826 Aug 05 j 04:15	30° \mathbb{R} ♂	
				min. Earth dist.	-9826 Aug 28 j 11:20	27° \mathbb{X} 02'41	4.13901 AU
conjunction	-9832 Aug 20 j 17:19	18° Π 54'50	1°39'07	opposition	-9826 Aug 29 j 00:43	26° \mathbb{X} 58'07	-2°22'14
minimum elong	-9832 Aug 20 j 17:20	18° Π 54'50	1°39'40	direct	-9826 Oct 27 j 02:12	21° \mathbb{X} 55'56	
max. Earth dist.	-9832 Aug 19 j 20:24	18° Π 42'55	6.27655 AU		-9825 Jan 10 j 23:58	0° \mathbb{Z}	
morning rise	-9832 Sep 02 j 01:53	21° Π 43'28		evening set	-9825 Mar 04 j 03:09	10° \mathbb{Z} 58'03	
	-9832 Oct 10 j 12:08	0° \mathbb{E}					
retrograde	-9831 Jan 05 j 07:17	9° \mathbb{E} 54'19		conjunction	-9825 Mar 17 j 20:02	14° \mathbb{Z} 04'32	-1°24'55
opposition	-9831 Mar 07 j 19:31	5° \mathbb{E} 00'00	2°16'28	minimum elong	-9825 Mar 17 j 20:06	14° \mathbb{Z} 04'35	1°25'29
min. Earth dist.	-9831 Mar 08 j 06:27	4° \mathbb{E} 56'31	4.24233 AU	max. Earth dist.	-9825 Mar 18 j 07:31	14° \mathbb{Z} 11'04	6.17604 AU
direct	-9831 May 08 j 01:30	0° \mathbb{E} 05'40		morning rise	-9825 Mar 31 j 11:48	17° \mathbb{Z} 10'18	
evening set	-9831 Sep 08 j 22:55	18° \mathbb{E} 17'38			-9825 Jun 02 j 14:42	0° \approx	
				retrograde	-9825 Aug 03 j 04:50	5° \approx 37'56	
conjunction	-9831 Sep 21 j 11:00	21° \mathbb{E} 10'41	1°18'39	opposition	-9825 Oct 01 j 04:56	0° \approx 38'28	-1°39'26
minimum elong	-9831 Sep 21 j 11:04	21° \mathbb{E} 10'44	1°19'12	min. Earth dist.	-9825 Oct 01 j 03:46	0° \approx 38'51	4.21621 AU
max. Earth dist.	-9831 Sep 21 j 03:31	21° \mathbb{E} 06'22	6.20273 AU		-9825 Oct 05 j 23:10	30° \mathbb{R} ♂	
morning rise	-9831 Oct 04 j 00:53	24° \mathbb{E} 04'46		direct	-9825 Nov 30 j 12:05	25° \mathbb{Z} 34'26	
	-9831 Oct 30 j 13:27	0° \mathbb{Q}			-9824 Jan 24 j 19:36	0° \approx	
retrograde	-9830 Feb 09 j 06:49	12° \mathbb{Q} 59'01		evening set	-9824 Apr 07 j 08:20	14° \approx 19'07	
opposition	-9830 Apr 11 j 17:32	8° \mathbb{Q} 01'07	1°25'32		-9824 Apr 10 j 09:43	15° \approx	
min. Earth dist.	-9830 Apr 11 j 15:44	8° \mathbb{Q} 01'42	4.16367 AU				
direct	-9830 Jun 10 j 17:54	3° \mathbb{Q} 08'09		conjunction	-9824 Apr 20 j 21:39	17° \approx 21'01	-0°43'46
	-9830 Sep 12 j 13:08	15° \mathbb{Q}		minimum elong	-9824 Apr 20 j 21:43	17° \approx 21'03	0°44'12
evening set	-9830 Oct 11 j 18:12	21° \mathbb{Q} 34'01		max. Earth dist.	-9824 Apr 20 j 14:55	17° \approx 17'15	6.25430 AU
				morning rise	-9824 May 04 j 08:03	20° \approx 21'23	
conjunction	-9830 Oct 24 j 14:56	24° \mathbb{Q} 34'06	0°32'12		-9824 Jun 19 j 12:07	0° \mathbb{H}	
minimum elong	-9830 Oct 24 j 14:59	24° \mathbb{Q} 34'08	0°32'35	retrograde	-9824 Sep 03 j 06:29	8° \mathbb{H} 06'09	
max. Earth dist.	-9830 Oct 25 j 02:39	24° \mathbb{Q} 40'57	6.12722 AU	opposition	-9824 Nov 01 j 15:46	3° \mathbb{H} 10'25	-0°26'30
morning rise	-9830 Nov 06 j 14:39	27° \mathbb{Q} 35'55		min. Earth dist.	-9824 Nov 02 j 01:15	3° \mathbb{H} 07'17	4.28808 AU
	-9830 Nov 17 j 01:04	0° \mathbb{P}			-9824 Nov 27 j 16:46	30° \mathbb{R} ♂	
retrograde	-9829 Mar 17 j 06:47	17° \mathbb{P} 09'45		direct	-9823 Jan 02 j 02:35	28° \approx 06'19	
opposition	-9829 May 17 j 05:52	12° \mathbb{P} 08'05	0°03'47		-9823 Feb 06 j 22:44	0° \mathbb{H}	
min. Earth dist.	-9829 May 16 j 16:28	12° \mathbb{P} 12'30	4.09697 AU	asc. node	-9823 Mar 11 j 10:15	4° \mathbb{H} 25'19	
desc. node	-9829 Jun 03 j 03:55	9° \mathbb{P} 58'50		evening set	-9823 May 10 j 23:05	16° \mathbb{H} 31'41	
direct	-9829 Jul 15 j 02:44	7° \mathbb{P} 14'43		max. Earth dist.	-9823 May 23 j 05:47	19° \mathbb{H} 15'19	6.31483 AU
evening set	-9829 Nov 15 j 07:21	25° \mathbb{P} 58'59					
				conjunction	-9823 May 24 j 04:29	19° \mathbb{H} 27'57	0°10'10
conjunction	-9829 Nov 28 j 13:30	29° \mathbb{P} 05'30	-0°26'24	minimum elong	-9823 May 24 j 04:27	19° \mathbb{H} 27'56	0°09'59
minimum elong	-9829 Nov 28 j 13:27	29° \mathbb{P} 05'29	0°26'19	behind sun begin	-9823 May 23 j 21:55	19° \mathbb{H} 24'19	
max. Earth dist.	-9829 Nov 29 j 15:13	29° \mathbb{P} 20'36	6.07556 AU	behind sun end	-9823 May 24 j 11:00	19° \mathbb{H} 31'34	
	-9829 Dec 02 j 10:18	0° \mathbb{A}		morning rise	-9823 Jun 06 j 06:24	22° \mathbb{H} 22'25	
morning rise	-9829 Dec 11 j 23:24	2° \mathbb{A} 13'59			-9823 Jul 12 j 07:13	0° \mathbb{Y}	
retrograde	-9828 Apr 21 j 12:50	22° \mathbb{A} 09'46		retrograde	-9823 Oct 04 j 22:07	9° \mathbb{Y} 42'37	
opposition	-9828 Jun 20 j 19:45	17° \mathbb{A} 05'20	-1°21'06	opposition	-9823 Dec 03 j 20:48	4° \mathbb{Y} 49'45	0°52'32
min. Earth dist.	-9828 Jun 19 j 22:34	17° \mathbb{A} 12'29	4.06586 AU	min. Earth dist.	-9823 Dec 04 j 15:53	4° \mathbb{Y} 43'34	4.33278 AU
direct	-9828 Aug 18 j 00:39	12° \mathbb{A} 09'42			-9822 Jan 23 j 08:22	30° \mathbb{R} ♂	
	-9828 Dec 15 j 09:32	0° \mathbb{L}		direct	-9822 Feb 04 j 04:21	29° \mathbb{H} 47'17	
evening set	-9828 Dec 20 j 12:16	1° \mathbb{L} 11'05			-9822 Feb 16 j 00:29	0° \mathbb{Y}	
				evening set	-9822 Jun 12 j 04:45	17° \mathbb{Y} 58'02	
conjunction	-9827 Jan 03 j 01:36	4° \mathbb{L} 20'54	-1°16'09	max. Earth dist.	-9822 Jun 23 j 17:54	20° \mathbb{Y} 32'06	6.33964 AU
minimum elong	-9827 Jan 03 j 01:30	4° \mathbb{L} 20'50	1°16'25				
max. Earth dist.	-9827 Jan 04 j 11:32	4° \mathbb{L} 40'44	6.06701 AU	conjunction	-9822 Jun 25 j 00:21	20° \mathbb{Y} 49'05	1°00'11
morning rise	-9827 Jan 16 j 17:29	7° \mathbb{L} 32'02		minimum elong	-9822 Jun 25 j 00:16	20° \mathbb{Y} 49'02	1°00'20
	-9827 Feb 19 j 02:38	15° \mathbb{L}		morning rise	-9822 Jul 07 j 16:48	23° \mathbb{Y} 38'35	
retrograde	-9827 May 27 j 09:20	27° \mathbb{L} 21'33			-9822 Aug 06 j 08:28	0° \mathbb{B}	
opposition	-9827 Jul 25 j 21:23	22° \mathbb{L} 16'38	-2°16'35	retrograde	-9822 Nov 05 j 16:23	10° \mathbb{B} 57'37	
min. Earth dist.	-9827 Jul 25 j 01:30	22° \mathbb{L} 23'26	4.08207 AU	opposition	-9821 Jan 05 j 08:25	6° \mathbb{B} 05'54	1°55'31
direct	-9827 Sep 22 j 04:58	17° \mathbb{L} 17'39		min. Earth dist.	-9821 Jan 06 j 06:01	5° \mathbb{B} 59'01	4.33727 AU
	-9827 Dec 28 j 16:36	0° \mathbb{X}		direct	-9821 Mar 08 j 20:07	1° \mathbb{B} 06'10	
evening set	-9826 Jan 26 j 13:01	6° \mathbb{X} 26'29			-9821 Jun 24 j 13:01	15° \mathbb{B}	
				evening set	-9821 Jul 13 j 13:44	19° \mathbb{B} 10'04	
conjunction	-9826 Feb 09 j 05:43	9° \mathbb{X} 35'54	-1°38'03	max. Earth dist.	-9821 Jul 24 j 20:32	21° \mathbb{B} 41'59	6.32222 AU
minimum elong	-9826 Feb 09 j 05:42	9° \mathbb{X} 35'53	1°38'34				
max. Earth dist.	-9826 Feb 10 j 09:10	9° \mathbb{X} 51'45	6.10519 AU	conjunction	-9821 Jul 26 j 01:17	21° \mathbb{B} 58'11	1°32'35
morning rise	-9826 Feb 22 j 23:24	12° \mathbb{X} 45'41		minimum elong	-9821 Jul 26 j 01:14	21° \mathbb{B} 58'09	1°33'00
	-9826 May 26 j 09:40	0° \mathbb{Z}		morning rise	-9821 Aug 07 j 10:58	24° \mathbb{B} 45'27	
retrograde	-9826 Jun 30 j 22:32	2° \mathbb{Z} 01'07			-9821 Aug 31 j 11:21	0° \mathbb{I}	

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Attention, astronomical year style is used: The year -9821 in astronomical counting style is the year 9822 BCE in historical counting style.

retrograde	-9821 Dec 08 j 07:37	12° Π 25'11		evening set	-9814 Jan 31 j 19:46	11° π 32'31	
opposition	-9820 Feb 07 j 13:01	7° Π 32'49	2°25'18				
min. Earth dist.	-9820 Feb 08 j 08:07	7° Π 26'47	4.29998 AU	conjunction	-9814 Feb 14 j 12:38	14° π 41'30	-1°38'16
direct	-9820 Apr 09 j 15:00	2° Π 36'10		minimum elong	-9814 Feb 14 j 12:38	14° π 41'30	1°38'47
evening set	-9820 Aug 12 j 18:07	20° Π 41'19		max. Earth dist.	-9814 Feb 15 j 15:02	14° π 56'42	6.11637 AU
max. Earth dist.	-9820 Aug 24 j 06:08	23° Π 18'26	6.26719 AU	morning rise	-9814 Feb 28 j 06:09	17° π 50'41	
					-9814 Apr 27 j 07:15	0° π	
conjunction	-9820 Aug 25 j 03:00	23° Π 30'20	1°38'03	retrograde	-9814 Jul 05 j 18:10	6° π 58'35	
minimum elong	-9820 Aug 25 j 03:01	23° Π 30'21	1°38'36	opposition	-9814 Sep 02 j 19:31	1° π 56'00	-2°18'43
morning rise	-9820 Sep 06 j 12:02	26° Π 19'32		min. Earth dist.	-9814 Sep 02 j 07:59	1° π 59'56	4.15332 AU
	-9820 Sep 22 j 22:32	0° π			-9814 Sep 17 j 08:44	30° π 7	
retrograde	-9819 Jan 10 j 03:26	14° π 36'13		direct	-9814 Nov 01 j 02:04	26° π 53'31	
opposition	-9819 Mar 12 j 16:09	9° π 41'24	2°11'48		-9814 Dec 16 j 01:53	0° π	
min. Earth dist.	-9819 Mar 13 j 01:21	9° π 38'28	4.23095 AU	evening set	-9813 Mar 09 j 04:42	15° π 51'47	
direct	-9819 May 12 j 17:46	4° π 47'16					
evening set	-9819 Sep 13 j 11:44	23° π 01'07		conjunction	-9813 Mar 22 j 21:18	18° π 57'27	-1°20'28
				minimum elong	-9813 Mar 22 j 21:24	18° π 57'30	1°21'03
conjunction	-9819 Sep 26 j 00:57	25° π 55'07	1°13'27	max. Earth dist.	-9813 Mar 23 j 07:37	19° π 03'17	6.19240 AU
minimum elong	-9819 Sep 26 j 01:01	25° π 55'10	1°14'00	morning rise	-9813 Apr 05 j 12:22	22° π 02'15	
max. Earth dist.	-9819 Sep 25 j 20:55	25° π 52'48	6.19051 AU		-9813 May 12 j 11:56	0° π	
morning rise	-9819 Oct 08 j 15:52	28° π 50'14		retrograde	-9813 Aug 07 j 16:16	10° π 21'09	
	-9819 Oct 13 j 17:38	0° Ω		opposition	-9813 Oct 05 j 18:50	5° π 22'13	-1°30'26
	-9818 Jan 01 j 07:17	15° Ω		min. Earth dist.	-9813 Oct 05 j 18:14	5° π 22'25	4.23307 AU
retrograde	-9818 Feb 14 j 08:26	17° Ω 50'59		direct	-9813 Dec 05 j 05:52	0° π 18'06	
	-9818 Mar 30 j 17:41	15° π 0			-9812 Mar 24 j 23:10	15° π	
opposition	-9818 Apr 16 j 17:12	12° Ω 52'35	1°15'21	evening set	-9812 Apr 12 j 02:43	18° π 57'47	
min. Earth dist.	-9818 Apr 16 j 14:20	12° Ω 53'30	4.15142 AU				
direct	-9818 Jun 15 j 13:30	7° Ω 59'40		conjunction	-9812 Apr 25 j 14:54	21° π 58'36	-0°36'39
	-9818 Aug 23 j 19:21	15° Ω		minimum elong	-9812 Apr 25 j 14:57	21° π 58'38	0°37'04
evening set	-9818 Oct 16 j 12:53	26° Ω 28'33		max. Earth dist.	-9812 Apr 25 j 04:33	21° π 52'49	6.27038 AU
				morning rise	-9812 May 09 j 00:16	24° π 57'51	
conjunction	-9818 Oct 29 j 10:52	29° Ω 29'43	0°24'13		-9812 Jun 01 j 04:52	0° π	
minimum elong	-9818 Oct 29 j 10:54	29° Ω 29'45	0°24'33	retrograde	-9812 Sep 07 j 15:36	12° π 35'56	
max. Earth dist.	-9818 Oct 29 j 23:27	29° Ω 37'05	6.11603 AU	opposition	-9812 Nov 06 j 02:11	7° π 40'42	-0°15'25
	-9818 Oct 31 j 14:34	0° π		min. Earth dist.	-9812 Nov 06 j 14:24	7° π 36'40	4.30191 AU
morning rise	-9818 Nov 11 j 12:18	2° π 32'45		direct	-9811 Jan 06 j 18:26	2° π 36'43	
retrograde	-9817 Mar 22 j 09:33	22° π 11'53		asc. node	-9811 Jan 20 j 12:19	2° π 54'10	
desc. node	-9817 Apr 12 j 19:57	21° π 28'31		evening set	-9811 May 15 j 10:20	20° π 57'51	
opposition	-9817 May 22 j 07:19	17° π 09'43	-0°08'51				
min. Earth dist.	-9817 May 21 j 15:48	17° π 14'51	4.08788 AU	conjunction	-9811 May 28 j 14:29	23° π 53'08	0°17'33
direct	-9817 Jul 20 j 00:18	12° π 16'08		minimum elong	-9811 May 28 j 14:28	23° π 53'07	0°17'26
	-9817 Nov 15 j 19:00	0° Ω		max. Earth dist.	-9811 May 27 j 14:09	23° π 39'36	6.32519 AU
evening set	-9817 Nov 20 j 08:46	1° Ω 03'54		morning rise	-9811 Jun 10 j 14:58	26° π 46'36	
					-9811 Jun 25 j 09:28	0° π	
conjunction	-9817 Dec 03 j 16:18	4° Ω 11'15	-0°34'32	retrograde	-9811 Oct 09 j 03:30	14° π 03'59	
minimum elong	-9817 Dec 03 j 16:15	4° Ω 11'13	0°34'31	opposition	-9811 Dec 08 j 05:47	9° π 11'23	1°02'26
max. Earth dist.	-9817 Dec 04 j 21:19	4° Ω 28'17	6.06954 AU	min. Earth dist.	-9811 Dec 09 j 01:26	9° π 05'02	4.33907 AU
morning rise	-9817 Dec 17 j 03:12	7° Ω 20'26		direct	-9810 Feb 08 j 14:21	4° π 09'13	
retrograde	-9816 Apr 26 j 18:31	27° Ω 18'01		evening set	-9810 Jun 16 j 11:24	22° π 17'48	
opposition	-9816 Jun 25 j 21:09	22° Ω 13'26	-1°31'30	max. Earth dist.	-9810 Jun 27 j 21:47	24° π 50'26	6.34118 AU
min. Earth dist.	-9816 Jun 25 j 00:10	22° Ω 20'32	4.06388 AU				
direct	-9816 Aug 23 j 01:46	17° Ω 17'27		conjunction	-9810 Jun 29 j 05:36	25° π 08'12	1°05'50
	-9816 Nov 27 j 16:18	0° π		minimum elong	-9810 Jun 29 j 05:31	25° π 08'09	1°06'00
evening set	-9816 Dec 25 j 18:59	6° π 21'08		morning rise	-9810 Jul 11 j 20:55	27° π 57'09	
					-9810 Jul 21 j 04:00	0° π	
conjunction	-9815 Jan 08 j 08:53	9° π 31'06	-1°21'18		-9810 Oct 27 j 08:39	15° π	
minimum elong	-9815 Jan 08 j 08:48	9° π 31'02	1°21'37	retrograde	-9810 Nov 10 j 01:38	15° π 17'41	
max. Earth dist.	-9815 Jan 09 j 18:49	9° π 50'53	6.06928 AU		-9810 Nov 23 j 18:08	15° π 8	
morning rise	-9815 Jan 22 j 01:24	12° π 42'19		opposition	-9809 Jan 09 j 18:49	10° π 26'05	2°01'45
	-9815 Feb 01 j 00:56	15° π		min. Earth dist.	-9809 Jan 10 j 18:05	10° π 18'40	4.33400 AU
	-9815 Apr 22 j 14:36	0° π		direct	-9809 Mar 13 j 07:00	5° π 26'43	
retrograde	-9815 Jun 01 j 09:07	2° π 28'30			-9809 Jun 07 j 13:02	15° π	
	-9815 Jul 10 j 19:38	30° π 8		evening set	-9809 Jul 17 j 18:55	23° π 30'55	
opposition	-9815 Jul 30 j 20:08	27° π 23'43	-2°20'36	max. Earth dist.	-9809 Jul 29 j 00:00	26° π 02'14	6.31414 AU
min. Earth dist.	-9815 Jul 29 j 23:25	27° π 30'49	4.08902 AU				
direct	-9815 Sep 27 j 04:22	22° π 24'20		conjunction	-9809 Jul 30 j 05:48	26° π 19'02	1°35'00
	-9815 Dec 08 j 10:52	0° π		minimum elong	-9809 Jul 30 j 05:45	26° π 19'01	1°35'27

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Attention, astronomical year style is used: The year -9809 in astronomical counting style is the year 9810 BCE in historical counting style.

morning rise	-9809 Aug 11 j 15:07	29° J 06'28		min. Earth dist.	-9803 Aug 03 j 23:33	2° J 37'49	4.09786 AU
	-9809 Aug 15 j 14:50	0° II			-9803 Aug 24 j 03:12	30° R M	
retrograde	-9809 Dec 12 j 20:09	16° II 51'35		direct	-9803 Oct 02 j 06:30	27° M 31'15	
opposition	-9808 Feb 12 j 02:49	11° II 59'00	2°26'07		-9803 Nov 10 j 14:21	0° J	
min. Earth dist.	-9808 Feb 12 j 20:55	11° II 53'16	4.28781 AU	evening set	-9802 Feb 06 j 02:05	16° J 37'53	
direct	-9808 Apr 14 j 00:44	7° II 02'42					
evening set	-9808 Aug 17 j 01:16	25° II 10'30		conjunction	-9802 Feb 19 j 19:09	19° J 46'25	-1°37'46
				minimum elong	-9802 Feb 19 j 19:10	19° J 46'26	1°38'18
conjunction	-9808 Aug 29 j 10:33	28° II 00'15	1°36'23	max. Earth dist.	-9802 Feb 20 j 20:50	20° J 01'10	6.12805 AU
minimum elong	-9808 Aug 29 j 10:35	28° II 00'16	1°36'56	morning rise	-9802 Mar 05 j 12:25	22° J 54'57	
max. Earth dist.	-9808 Aug 28 j 15:59	27° II 49'37	6.25198 AU		-9802 Apr 06 j 16:49	0° J	
	-9808 Sep 07 j 03:45	0° J		retrograde	-9802 Jul 10 j 12:00	11° J 55'06	
morning rise	-9808 Sep 10 j 20:00	0° J 50'17		opposition	-9802 Sep 07 j 13:35	6° J 52'58	-2°14'17
retrograde	-9807 Jan 15 j 00:21	19° J 15'02		min. Earth dist.	-9802 Sep 07 j 02:51	6° J 56'37	4.16652 AU
opposition	-9807 Mar 17 j 11:17	14° J 19'51	2°06'22	direct	-9802 Nov 05 j 23:21	1° J 50'07	
min. Earth dist.	-9807 Mar 17 j 19:59	14° J 17'05	4.21368 AU	evening set	-9801 Mar 14 j 06:11	20° J 45'12	
direct	-9807 May 17 j 08:49	9° J 26'01					
evening set	-9807 Sep 18 j 00:12	27° J 43'59		conjunction	-9801 Mar 27 j 22:15	23° J 50'07	-1°15'30
	-9807 Sep 27 j 18:56	0° J		minimum elong	-9801 Mar 27 j 22:20	23° J 50'11	1°16'03
				max. Earth dist.	-9801 Mar 28 j 04:11	23° J 53'29	6.20599 AU
conjunction	-9807 Sep 30 j 14:27	0° J 39'14	1°07'46	morning rise	-9801 Apr 10 j 12:50	26° J 54'06	
minimum elong	-9807 Sep 30 j 14:32	0° J 39'17	1°08'18		-9801 Apr 24 j 12:07	0° J	
max. Earth dist.	-9807 Sep 30 j 11:31	0° J 37'32	6.17279 AU		-9801 Aug 04 j 18:10	15° J	
morning rise	-9807 Oct 13 j 06:58	3° J 35'46		retrograde	-9801 Aug 12 j 06:40	15° J 05'42	
	-9807 Dec 05 j 22:35	15° J			-9801 Aug 19 j 18:45	15° R J	
retrograde	-9806 Feb 19 j 08:55	22° J 45'03		opposition	-9801 Oct 10 j 09:30	10° J 07'17	-1°20'52
opposition	-9806 Apr 21 j 17:05	17° J 46'04	1°04'36	min. Earth dist.	-9801 Oct 10 j 11:41	10° J 06'34	4.24565 AU
min. Earth dist.	-9806 Apr 21 j 11:16	17° J 47'58	4.13468 AU	direct	-9801 Dec 10 j 02:20	5° J 03'01	
	-9806 May 14 j 09:53	15° R J			-9800 Mar 06 j 18:58	15° J	
direct	-9806 Jun 20 j 07:35	12° J 53'13		evening set	-9800 Apr 16 j 21:49	23° J 39'19	
	-9806 Jul 26 j 18:25	15° J					
	-9806 Oct 15 j 03:23	0° J		conjunction	-9800 Apr 30 j 09:15	26° J 39'22	-0°29'13
evening set	-9806 Oct 21 j 08:58	1° J 26'48		minimum elong	-9800 Apr 30 j 09:18	26° J 39'23	0°29'36
				max. Earth dist.	-9800 Apr 29 j 21:30	26° J 32'48	6.28114 AU
conjunction	-9806 Nov 03 j 08:37	4° J 29'17	0°15'58	morning rise	-9800 May 13 j 17:23	29° J 37'43	
minimum elong	-9806 Nov 03 j 08:38	4° J 29'18	0°16'17		-9800 May 15 j 09:38	0° J	
max. Earth dist.	-9806 Nov 04 j 01:36	4° J 39'15	6.10199 AU	retrograde	-9800 Sep 12 j 01:52	17° J 11'12	
morning rise	-9806 Nov 16 j 11:29	7° J 33'37		opposition	-9800 Nov 10 j 15:05	12° J 16'25	-0°04'04
desc. node	-9805 Feb 19 j 17:51	25° J 20'48		min. Earth dist.	-9800 Nov 11 j 04:03	12° J 12'10	4.31006 AU
retrograde	-9805 Mar 27 j 16:10	27° J 18'39		asc. node	-9800 Nov 30 j 11:16	9° J 47'06	
opposition	-9805 May 27 j 09:59	22° J 16'01	-0°21'35	direct	-9799 Jan 11 j 09:31	7° J 12'36	
min. Earth dist.	-9805 May 26 j 17:34	22° J 21'28	4.07786 AU	evening set	-9799 May 20 j 00:33	25° J 31'23	
direct	-9805 Jul 25 j 00:57	17° J 22'11		max. Earth dist.	-9799 May 31 j 23:54	28° J 10'42	6.33008 AU
	-9805 Oct 29 j 02:59	0° J					
evening set	-9805 Nov 25 j 12:31	6° J 13'40		conjunction	-9799 Jun 02 j 03:11	28° J 25'52	0°25'04
				minimum elong	-9799 Jun 02 j 03:08	28° J 25'51	0°24'59
conjunction	-9805 Dec 08 j 21:08	9° J 21'44	-0°42'30		-9799 Jun 09 j 04:30	0° J	
minimum elong	-9805 Dec 08 j 21:04	9° J 21'41	0°42'32	morning rise	-9799 Jun 15 j 02:28	1° J 18'37	
max. Earth dist.	-9805 Dec 10 j 03:48	9° J 39'44	6.06423 AU	retrograde	-9799 Oct 13 j 16:03	18° J 35'04	
morning rise	-9805 Dec 22 j 09:19	12° J 31'38		opposition	-9799 Dec 12 j 19:19	13° J 42'45	1°12'23
	-9804 Mar 22 j 15:13	0° M		min. Earth dist.	-9799 Dec 13 j 16:56	13° J 35'47	4.34054 AU
retrograde	-9804 May 01 j 22:10	2° M 29'51		direct	-9798 Feb 13 j 06:10	8° J 40'53	
	-9804 Jun 10 j 22:33	30° R J		evening set	-9798 Jun 20 j 22:24	26° J 48'39	
opposition	-9804 Jun 30 j 23:07	27° J 24'58	-1°41'15	max. Earth dist.	-9798 Jul 02 j 07:47	29° J 20'53	6.33896 AU
min. Earth dist.	-9804 Jun 30 j 00:18	27° J 32'42	4.06397 AU				
direct	-9804 Aug 28 j 02:09	22° J 28'29		conjunction	-9798 Jul 03 j 15:31	29° J 38'37	1°11'22
	-9804 Nov 07 j 07:28	0° M		minimum elong	-9798 Jul 03 j 15:26	29° J 38'34	1°11'36
evening set	-9804 Dec 31 j 02:33	11° M 33'25			-9798 Jul 05 j 05:47	0° J	
				morning rise	-9798 Jul 16 j 05:39	2° J 27'10	
conjunction	-9803 Jan 13 j 17:05	14° M 43'22	-1°25'51		-9798 Sep 17 j 19:43	15° J	
minimum elong	-9803 Jan 13 j 16:59	14° M 43'19	1°26'12	retrograde	-9798 Nov 14 j 14:47	19° J 50'21	
	-9803 Jan 14 j 21:36	15° M		opposition	-9797 Jan 14 j 10:41	14° J 58'43	2°07'37
max. Earth dist.	-9803 Jan 15 j 03:18	15° M 03'20	6.07418 AU		-9797 Jan 14 j 06:39	15° R J	
morning rise	-9803 Jan 27 j 09:54	17° M 54'26		min. Earth dist.	-9797 Jan 15 j 08:51	14° J 51'40	4.32861 AU
	-9803 Mar 25 j 05:50	0° J		direct	-9797 Mar 17 j 20:25	9° J 59'49	
retrograde	-9803 Jun 06 j 09:37	7° J 35'55			-9797 May 17 j 00:44	15° J	
opposition	-9803 Aug 04 j 18:51	2° J 31'12	-2°23'33	evening set	-9797 Jul 22 j 05:12	28° J 04'37	

Attention, astronomical year style is used: The year -9797 in astronomical counting style is the year 9798 BCE in historical counting style.

	-9797 Jul 30 j 18:07	0°♐		minimum elong	-9791 Jan 18 j 21:22	19°♐45'24	1°30'00
max. Earth dist.	-9797 Aug 02 j 10:49	0°♐36'35	6.30594 AU	max. Earth dist.	-9791 Jan 20 j 07:46	20°♐05'23	6.08163 AU
				morning rise	-9791 Feb 01 j 14:26	22°♐56'11	
conjunction	-9797 Aug 03 j 15:26	0°♐52'46	1°37'01		-9791 Mar 05 j 06:18	0°♐	
minimum elong	-9797 Aug 03 j 15:24	0°♐52'45	1°37'29	retrograde	-9791 Jun 11 j 05:09	12°♐32'18	
morning rise	-9797 Aug 16 j 00:22	3°♐40'22		opposition	-9791 Aug 09 j 13:00	7°♐27'53	-2°25'21
retrograde	-9797 Dec 17 j 16:10	21°♐30'52		min. Earth dist.	-9791 Aug 08 j 18:32	7°♐34'13	4.10731 AU
opposition	-9796 Feb 16 j 22:45	16°♐38'05	2°26'05	direct	-9791 Oct 07 j 02:26	2°♐27'30	
min. Earth dist.	-9796 Feb 17 j 16:35	16°♐32'26	4.27745 AU	evening set	-9790 Feb 11 j 04:14	21°♐32'54	
direct	-9796 Apr 18 j 18:19	11°♐42'15					
evening set	-9796 Aug 21 j 13:12	29°♐51'32		conjunction	-9790 Feb 24 j 21:13	24°♐40'58	-1°36'34
	-9796 Aug 22 j 04:04	0°♐		minimum elong	-9790 Feb 24 j 21:15	24°♐40'59	1°37'09
				max. Earth dist.	-9790 Feb 25 j 18:39	24°♐53'15	6.13846 AU
conjunction	-9796 Sep 02 j 22:48	2°♐41'55	1°34'04	morning rise	-9790 Mar 10 j 14:27	27°♐48'58	
minimum elong	-9796 Sep 02 j 22:50	2°♐41'56	1°34'39		-9790 Mar 20 j 06:40	0°♐	
max. Earth dist.	-9796 Sep 02 j 05:46	2°♐32'08	6.24049 AU	retrograde	-9790 Jul 15 j 03:10	16°♐42'33	
morning rise	-9796 Sep 15 j 08:58	5°♐32'44		opposition	-9790 Sep 12 j 04:17	11°♐40'54	-2°09'07
retrograde	-9795 Jan 19 j 22:37	24°♐04'00		min. Earth dist.	-9790 Sep 11 j 19:59	11°♐43'43	4.17677 AU
opposition	-9795 Mar 22 j 10:42	19°♐08'20	1°59'53	direct	-9790 Nov 10 j 19:01	6°♐37'43	
min. Earth dist.	-9795 Mar 22 j 16:13	19°♐06'35	4.20215 AU	evening set	-9789 Mar 19 j 03:53	25°♐30'53	
direct	-9795 May 22 j 02:56	14°♐14'49					
	-9795 Sep 11 j 09:57	0°♐		conjunction	-9789 Apr 01 j 19:45	28°♐35'20	-1°10'10
evening set	-9795 Sep 22 j 16:10	2°♐34'42		minimum elong	-9789 Apr 01 j 19:50	28°♐35'23	1°10'42
				max. Earth dist.	-9789 Apr 01 j 23:56	28°♐37'41	6.21551 AU
conjunction	-9795 Oct 05 j 07:37	5°♐30'55	1°01'31		-9789 Apr 08 j 01:54	0°♐	
minimum elong	-9795 Oct 05 j 07:42	5°♐30'58	1°02'01	morning rise	-9789 Apr 15 j 09:31	1°♐38'38	
max. Earth dist.	-9795 Oct 05 j 08:44	5°♐31'34	6.16253 AU		-9789 Jun 21 j 15:02	15°♐	
morning rise	-9795 Oct 18 j 01:21	8°♐28'29		retrograde	-9789 Aug 16 j 18:46	19°♐44'50	
	-9795 Nov 16 j 04:48	15°♐			-9789 Oct 13 j 07:12	15°♐	
retrograde	-9794 Feb 24 j 12:47	27°♐43'15		opposition	-9789 Oct 14 j 22:01	14°♐47'01	-1°11'02
opposition	-9794 Apr 26 j 18:45	22°♐43'44	0°53'13	min. Earth dist.	-9789 Oct 15 j 01:40	14°♐45'48	4.25353 AU
min. Earth dist.	-9794 Apr 26 j 11:43	22°♐46'02	4.12648 AU	direct	-9789 Dec 14 j 17:53	9°♐42'45	
direct	-9794 Jun 25 j 06:40	17°♐50'53			-9788 Feb 14 j 04:35	15°♐	
	-9794 Sep 27 j 19:19	0°♐		evening set	-9788 Apr 21 j 15:18	28°♐17'27	
evening set	-9794 Oct 26 j 06:10	6°♐26'13			-9788 Apr 29 j 07:51	0°♐	
				max. Earth dist.	-9788 May 04 j 09:51	1°♐08'04	6.28686 AU
conjunction	-9794 Nov 08 j 07:04	9°♐29'31	0°07'38				
minimum elong	-9794 Nov 08 j 07:04	9°♐29'31	0°07'54	conjunction	-9788 May 05 j 01:37	1°♐16'51	-0°21'45
behind sun begin	-9794 Nov 07 j 23:45	9°♐25'15		minimum elong	-9788 May 05 j 01:39	1°♐16'52	0°22'05
behind sun end	-9794 Nov 08 j 14:24	9°♐33'48		morning rise	-9788 May 18 j 08:52	4°♐14'36	
max. Earth dist.	-9794 Nov 09 j 02:06	9°♐40'41	6.09664 AU	retrograde	-9788 Sep 16 j 13:42	21°♐45'27	
morning rise	-9794 Nov 21 j 11:29	12°♐34'44		asc. node	-9788 Oct 10 j 19:55	20°♐48'27	
desc. node	-9794 Dec 29 j 18:27	21°♐05'40		opposition	-9788 Nov 15 j 03:36	16°♐51'06	0°07'12
	-9793 Feb 21 j 05:15	0°♐		min. Earth dist.	-9788 Nov 15 j 18:39	16°♐46'10	4.31333 AU
retrograde	-9793 Apr 01 j 18:36	2°♐22'09		direct	-9787 Jan 16 j 01:05	11°♐47'27	
	-9793 May 11 j 04:51	30°♐		evening set	-9787 May 24 j 14:20	0°♐05'29	
opposition	-9793 Jun 01 j 11:07	27°♐19'04	-0°33'59		-9787 May 24 j 04:24	0°♐	
min. Earth dist.	-9793 May 31 j 16:27	27°♐25'18	4.07603 AU				
direct	-9793 Jul 29 j 22:51	22°♐24'59		conjunction	-9787 Jun 06 j 15:50	2°♐59'26	0°32'24
	-9793 Oct 09 j 09:46	0°♐		minimum elong	-9787 Jun 06 j 15:47	2°♐59'24	0°32'21
evening set	-9793 Nov 30 j 14:21	11°♐17'35		max. Earth dist.	-9787 Jun 05 j 12:50	2°♐44'24	6.33074 AU
				morning rise	-9787 Jun 19 j 13:40	5°♐51'35	
conjunction	-9793 Dec 13 j 23:56	14°♐25'58	-0°49'58	retrograde	-9787 Oct 18 j 03:48	23°♐08'33	
minimum elong	-9793 Dec 13 j 23:52	14°♐25'56	0°50'02	opposition	-9787 Dec 17 j 09:37	18°♐16'27	1°21'54
max. Earth dist.	-9793 Dec 15 j 07:51	14°♐44'42	6.06580 AU	min. Earth dist.	-9787 Dec 18 j 06:47	18°♐09'39	4.33882 AU
morning rise	-9793 Dec 27 j 12:53	17°♐36'06		direct	-9786 Feb 17 j 19:58	13°♐15'01	
	-9792 Feb 23 j 15:09	0°♐			-9786 Jun 19 j 04:21	0°♐	
retrograde	-9792 May 06 j 22:51	7°♐32'40		evening set	-9786 Jun 25 j 10:08	1°♐22'42	
opposition	-9792 Jul 05 j 21:29	2°♐27'38	-1°49'55	max. Earth dist.	-9786 Jul 06 j 17:33	3°♐54'09	6.33486 AU
min. Earth dist.	-9792 Jul 04 j 23:26	2°♐35'08	4.06880 AU				
	-9792 Jul 24 j 21:35	30°♐		conjunction	-9786 Jul 08 j 01:54	4°♐12'15	1°16'29
direct	-9792 Sep 02 j 01:38	27°♐30'40		minimum elong	-9786 Jul 08 j 01:49	4°♐12'13	1°16'46
	-9792 Oct 11 j 03:24	0°♐		morning rise	-9786 Jul 20 j 15:09	7°♐00'34	
	-9792 Dec 29 j 08:13	15°♐			-9786 Aug 27 j 08:03	15°♐	
evening set	-9791 Jan 05 j 06:22	16°♐35'37		retrograde	-9786 Nov 19 j 07:35	24°♐26'57	
				opposition	-9785 Jan 19 j 04:16	19°♐35'15	2°12'45
conjunction	-9791 Jan 18 j 21:27	19°♐45'26	-1°29'36	min. Earth dist.	-9785 Jan 20 j 02:36	19°♐28'09	4.32257 AU

Attention, astronomical year style is used: The year -9785 in astronomical counting style is the year 9786 BCE in historical counting style.

	-9785 Mar 06 j 13:03	15° κ \mathfrak{B}			-9780 Dec 11 j 22:36	15° \mathfrak{M}	
direct	-9785 Mar 22 j 13:29	14° \mathfrak{B} 36'46		evening set	-9779 Jan 10 j 10:17	21° \mathfrak{M} 36'45	
	-9785 Apr 07 j 13:39	15° \mathfrak{B}					
	-9785 Jul 14 j 13:07	0° \mathfrak{II}		conjunction	-9779 Jan 24 j 01:40	24° \mathfrak{M} 46'28	-1°32'41
evening set	-9785 Jul 26 j 16:22	2° \mathfrak{II} 41'54		minimum elong	-9779 Jan 24 j 01:37	24° \mathfrak{M} 46'26	1°33'06
max. Earth dist.	-9785 Aug 06 j 23:45	5° \mathfrak{II} 15'08	6.29839 AU	max. Earth dist.	-9779 Jan 25 j 09:11	25° \mathfrak{M} 04'45	6.08699 AU
				morning rise	-9779 Feb 06 j 19:02	27° \mathfrak{M} 57'02	
conjunction	-9785 Aug 08 j 02:12	5° \mathfrak{II} 30'07	1°38'25		-9779 Feb 15 j 18:02	0° \mathfrak{A}	
minimum elong	-9785 Aug 08 j 02:11	5° \mathfrak{II} 30'06	1°38'54	retrograde	-9779 Jun 16 j 00:36	17° \mathfrak{A} 28'37	
morning rise	-9785 Aug 20 j 10:50	8° \mathfrak{II} 17'53		opposition	-9779 Aug 14 j 07:21	12° \mathfrak{A} 24'26	-2°26'08
retrograde	-9785 Dec 22 j 10:16	26° \mathfrak{II} 13'11		min. Earth dist.	-9779 Aug 13 j 14:12	12° \mathfrak{A} 30'19	4.11439 AU
opposition	-9784 Feb 21 j 19:19	21° \mathfrak{II} 20'02	2°25'05	direct	-9779 Oct 11 j 23:58	7° \mathfrak{A} 23'33	
min. Earth dist.	-9784 Feb 22 j 10:31	21° \mathfrak{II} 15'12	4.26898 AU	evening set	-9778 Feb 16 j 06:47	26° \mathfrak{A} 28'26	
direct	-9784 Apr 23 j 11:00	16° \mathfrak{II} 24'35					
	-9784 Aug 05 j 14:37	0° \mathfrak{E}		conjunction	-9778 Mar 02 j 00:00	29° \mathfrak{A} 36'14	-1°34'42
evening set	-9784 Aug 26 j 01:44	4° \mathfrak{E} 34'25		minimum elong	-9778 Mar 02 j 00:03	29° \mathfrak{A} 36'16	1°35'17
				max. Earth dist.	-9778 Mar 02 j 20:14	29° \mathfrak{A} 47'48	6.14680 AU
conjunction	-9784 Sep 07 j 11:43	7° \mathfrak{E} 25'20	1°31'08		-9778 Mar 03 j 17:35	0° \mathfrak{Z}	
minimum elong	-9784 Sep 07 j 11:46	7° \mathfrak{E} 25'22	1°31'43	morning rise	-9778 Mar 15 j 16:50	2° \mathfrak{Z} 43'44	
max. Earth dist.	-9784 Sep 06 j 21:21	7° \mathfrak{E} 17'04	6.23174 AU	retrograde	-9778 Jul 19 j 20:07	21° \mathfrak{Z} 31'20	
morning rise	-9784 Sep 19 j 22:34	10° \mathfrak{E} 16'49		opposition	-9778 Sep 16 j 19:47	16° \mathfrak{Z} 30'13	-2°03'03
retrograde	-9783 Jan 24 j 22:32	28° \mathfrak{E} 53'23		min. Earth dist.	-9778 Sep 16 j 13:19	16° \mathfrak{Z} 32'25	4.18541 AU
opposition	-9783 Mar 27 j 10:03	23° \mathfrak{E} 57'10	1°52'34	direct	-9778 Nov 15 j 14:03	11° \mathfrak{Z} 26'49	
min. Earth dist.	-9783 Mar 27 j 14:28	23° \mathfrak{E} 55'45	4.19335 AU		-9777 Mar 22 j 17:46	0° \mathfrak{A}	
direct	-9783 May 26 j 23:45	19° \mathfrak{E} 03'47		evening set	-9777 Mar 24 j 02:52	0° \mathfrak{A} 18'29	
	-9783 Aug 24 j 23:32	0° \mathfrak{Q}					
evening set	-9783 Sep 27 j 07:47	7° \mathfrak{Q} 24'34		conjunction	-9777 Apr 06 j 18:10	3° \mathfrak{A} 22'25	-1°04'18
				minimum elong	-9777 Apr 06 j 18:16	3° \mathfrak{A} 22'28	1°04'50
conjunction	-9783 Oct 10 j 00:24	10° \mathfrak{Q} 21'39	0°54'51	max. Earth dist.	-9777 Apr 06 j 18:21	3° \mathfrak{A} 22'32	6.22380 AU
minimum elong	-9783 Oct 10 j 00:28	10° \mathfrak{Q} 21'42	0°55'20	morning rise	-9777 Apr 20 j 07:26	6° \mathfrak{A} 25'10	
max. Earth dist.	-9783 Oct 10 j 03:55	10° \mathfrak{Q} 23'42	6.15454 AU		-9777 May 30 j 15:44	15° \mathfrak{A}	
morning rise	-9783 Oct 22 j 19:34	13° \mathfrak{Q} 20'12		retrograde	-9777 Aug 21 j 07:40	24° \mathfrak{A} 26'21	
	-9783 Oct 30 j 01:02	15° \mathfrak{Q}		opposition	-9777 Oct 19 j 12:01	19° \mathfrak{A} 29'03	-1°00'37
	-9782 Jan 18 j 06:18	0° \mathfrak{P}		min. Earth dist.	-9777 Oct 19 j 17:22	19° \mathfrak{A} 27'16	4.26074 AU
retrograde	-9782 Mar 01 j 13:21	2° \mathfrak{P} 39'22			-9777 Nov 30 j 04:55	15° \mathfrak{R} \mathfrak{A}	
	-9782 Apr 13 j 02:00	30° \mathfrak{R} \mathfrak{Q}		direct	-9777 Dec 19 j 11:30	14° \mathfrak{A} 24'45	
opposition	-9782 May 01 j 19:04	27° \mathfrak{Q} 39'19	0°41'31		-9776 Jan 07 j 23:06	15° \mathfrak{A}	
min. Earth dist.	-9782 May 01 j 09:31	27° \mathfrak{Q} 42'26	4.11988 AU		-9776 Apr 12 j 20:31	0° \mathfrak{H}	
direct	-9782 Jun 30 j 02:35	22° \mathfrak{Q} 46'24		evening set	-9776 Apr 26 j 09:39	2° \mathfrak{H} 57'53	
	-9782 Sep 08 j 03:53	0° \mathfrak{P}					
evening set	-9782 Oct 31 j 02:49	11° \mathfrak{P} 23'13		conjunction	-9776 May 09 j 19:03	5° \mathfrak{H} 56'41	-0°14'01
desc. node	-9782 Nov 08 j 00:10	13° \mathfrak{P} 14'00		minimum elong	-9776 May 09 j 19:05	5° \mathfrak{H} 56'42	0°14'18
				behind sun begin	-9776 May 09 j 15:23	5° \mathfrak{H} 54'38	
conjunction	-9782 Nov 13 j 05:00	14° \mathfrak{P} 27'17	-0°00'47	behind sun end	-9776 May 09 j 22:47	5° \mathfrak{H} 58'45	
minimum elong	-9782 Nov 13 j 04:59	14° \mathfrak{P} 27'16	0°00'34	max. Earth dist.	-9776 May 09 j 02:31	5° \mathfrak{H} 47'28	6.29270 AU
behind sun begin	-9782 Nov 12 j 20:49	14° \mathfrak{P} 22'30		morning rise	-9776 May 23 j 01:01	8° \mathfrak{H} 53'43	
behind sun end	-9782 Nov 13 j 13:09	14° \mathfrak{P} 32'03		asc. node	-9776 Aug 19 j 23:43	24° \mathfrak{H} 44'18	
max. Earth dist.	-9782 Nov 14 j 01:56	14° \mathfrak{P} 39'34	6.09201 AU	retrograde	-9776 Sep 21 j 02:13	26° \mathfrak{H} 22'02	
morning rise	-9782 Nov 26 j 10:42	17° \mathfrak{P} 33'16		opposition	-9776 Nov 19 j 17:44	21° \mathfrak{H} 28'09	0°18'35
	-9781 Jan 23 j 22:23	0° \mathfrak{Q}		min. Earth dist.	-9776 Nov 20 j 09:28	21° \mathfrak{H} 23'01	4.31743 AU
retrograde	-9781 Apr 06 j 20:35	7° \mathfrak{Q} 22'49		direct	-9775 Jan 20 j 17:07	16° \mathfrak{H} 24'50	
opposition	-9781 Jun 06 j 10:43	2° \mathfrak{Q} 19'18	-0°46'04		-9775 May 07 j 11:43	0° \mathfrak{Y}	
min. Earth dist.	-9781 Jun 05 j 15:47	2° \mathfrak{Q} 25'39	4.07376 AU	evening set	-9775 May 29 j 04:58	4° \mathfrak{Y} 41'33	
	-9781 Jun 24 j 13:44	30° \mathfrak{R} \mathfrak{P}		max. Earth dist.	-9775 Jun 09 j 24:00	7° \mathfrak{Y} 18'41	6.33279 AU
direct	-9781 Aug 03 j 21:21	27° \mathfrak{P} 24'50					
	-9781 Sep 12 j 18:05	0° \mathfrak{Q}		conjunction	-9775 Jun 11 j 04:57	7° \mathfrak{Y} 34'48	0°39'37
evening set	-9781 Dec 05 j 15:50	16° \mathfrak{Q} 19'09		minimum elong	-9775 Jun 11 j 04:53	7° \mathfrak{Y} 34'46	0°39'38
				morning rise	-9775 Jun 24 j 01:37	10° \mathfrak{Y} 26'22	
conjunction	-9781 Dec 19 j 02:27	19° \mathfrak{Q} 27'54	-0°57'01	retrograde	-9775 Oct 22 j 17:46	27° \mathfrak{Y} 43'35	
minimum elong	-9781 Dec 19 j 02:21	19° \mathfrak{Q} 27'51	0°57'08	opposition	-9775 Dec 22 j 01:16	22° \mathfrak{Y} 51'38	1°31'01
max. Earth dist.	-9781 Dec 20 j 11:43	19° \mathfrak{Q} 47'25	6.06610 AU	min. Earth dist.	-9775 Dec 22 j 22:53	22° \mathfrak{Y} 44'42	4.33904 AU
morning rise	-9780 Jan 01 j 16:10	22° \mathfrak{Q} 38'19		direct	-9774 Feb 22 j 12:36	17° \mathfrak{Y} 50'37	
	-9780 Feb 03 j 11:21	0° \mathfrak{M}			-9774 Jun 02 j 06:05	0° \mathfrak{B}	
retrograde	-9780 May 11 j 22:34	12° \mathfrak{M} 33'26		evening set	-9774 Jun 29 j 22:00	5° \mathfrak{B} 57'22	
opposition	-9780 Jul 10 j 18:49	7° \mathfrak{M} 28'23	-1°57'46	max. Earth dist.	-9774 Jul 11 j 06:30	8° \mathfrak{B} 29'32	6.33322 AU
min. Earth dist.	-9780 Jul 09 j 20:52	7° \mathfrak{M} 35'51	4.07193 AU				
direct	-9780 Sep 06 j 22:36	2° \mathfrak{M} 30'57		conjunction	-9774 Jul 12 j 12:45	8° \mathfrak{B} 46'29	1°21'10

Attention, astronomical year style is used: The year -9774 in astronomical counting style is the year 9775 BCE in historical counting style.

minimum elong	-9774 Jul 12 j 12:40	8° 8 46'27	1°21'29	morning rise	-9768 Jan 06 j 18:32	27° 2 38'45	
morning rise	-9774 Jul 25 j 00:50	11° 8 34'24			-9768 Jan 16 j 23:31	0° ℳ	
	-9774 Aug 09 j 15:07	15° 8			-9768 Apr 06 j 06:53	15° ℳ	
retrograde	-9774 Nov 23 j 22:09	29° 8 03'14		retrograde	-9768 May 16 j 20:45	17° ℳ 33'13	
opposition	-9773 Jan 23 j 21:53	24° 8 11'27	2°17'02		-9768 Jun 26 j 03:59	15° ℳ	
min. Earth dist.	-9773 Jan 24 j 18:41	24° 8 04'51	4.31936 AU	opposition	-9768 Jul 15 j 15:13	12° ℳ 28'08	-2°04'40
direct	-9773 Mar 27 j 05:13	19° 8 13'30		min. Earth dist.	-9768 Jul 14 j 17:28	12° ℳ 35'33	4.07285 AU
	-9773 Jun 27 j 06:16	0° ℳ		direct	-9768 Sep 11 j 19:47	7° ℳ 30'12	
evening set	-9773 Jul 31 j 03:01	7° ℳ 17'57			-9768 Nov 22 j 02:59	15° ℳ	
max. Earth dist.	-9773 Aug 11 j 10:32	9° ℳ 51'32	6.29364 AU	evening set	-9767 Jan 15 j 13:55	26° ℳ 37'48	
conjunction	-9773 Aug 12 j 12:15	10° ℳ 06'08	1°39'12	conjunction	-9767 Jan 29 j 05:57	29° ℳ 47'35	-1°35'03
minimum elong	-9773 Aug 12 j 12:14	10° ℳ 06'07	1°39'43	minimum elong	-9767 Jan 29 j 05:54	29° ℳ 47'34	1°35'30
morning rise	-9773 Aug 24 j 20:49	12° ℳ 54'02			-9767 Jan 30 j 03:21	0° ℳ	
	-9773 Dec 03 j 01:14	0° ℳ		max. Earth dist.	-9767 Jan 30 j 13:32	0° ℳ 05'54	6.09027 AU
retrograde	-9773 Dec 27 j 05:37	0° ℳ 53'26		morning rise	-9767 Feb 11 j 23:21	2° ℳ 58'02	
	-9772 Jan 20 j 10:53	30° ℳ		retrograde	-9767 Jun 20 j 21:51	22° ℳ 25'41	
opposition	-9772 Feb 26 j 15:24	25° ℳ 59'55	2°23'06	min. Earth dist.	-9767 Aug 18 j 10:06	17° ℳ 27'10	4.11980 AU
min. Earth dist.	-9772 Feb 27 j 05:44	25° ℳ 55'22	4.26284 AU	opposition	-9767 Aug 19 j 01:36	17° ℳ 21'52	-2°25'51
direct	-9772 Apr 28 j 05:11	21° ℳ 04'48		direct	-9767 Oct 16 j 20:57	12° ℳ 20'35	
	-9772 Jul 18 j 12:12	0° ℳ			-9766 Feb 15 j 02:24	0° ℳ	
evening set	-9772 Aug 30 j 12:51	9° ℳ 14'28		evening set	-9766 Feb 21 j 09:44	1° ℳ 25'28	
conjunction	-9772 Sep 11 j 23:27	12° ℳ 05'55	1°27'38	conjunction	-9766 Mar 07 j 02:55	4° ℳ 32'59	-1°32'08
minimum elong	-9772 Sep 11 j 23:31	12° ℳ 05'57	1°28'12	minimum elong	-9766 Mar 07 j 02:58	4° ℳ 33'01	1°32'42
max. Earth dist.	-9772 Sep 11 j 11:54	11° ℳ 59'16	6.22477 AU	max. Earth dist.	-9766 Mar 07 j 20:05	4° ℳ 42'47	6.15390 AU
morning rise	-9772 Sep 24 j 11:01	14° ℳ 58'03		morning rise	-9766 Mar 20 j 19:40	7° ℳ 40'07	
	-9772 Dec 10 j 13:45	0° ℳ		retrograde	-9766 Jul 24 j 11:22	26° ℳ 22'03	
retrograde	-9771 Jan 29 j 19:10	3° ℳ 39'21		opposition	-9766 Sep 21 j 11:54	21° ℳ 21'23	-1°56'05
	-9771 Mar 22 j 03:43	30° ℳ		min. Earth dist.	-9766 Sep 21 j 06:18	21° ℳ 23'17	4.19357 AU
opposition	-9771 Apr 01 j 07:40	28° ℳ 42'39	1°44'32	direct	-9766 Nov 20 j 09:23	16° ℳ 17'43	
min. Earth dist.	-9771 Apr 01 j 09:49	28° ℳ 41'58	4.18596 AU		-9765 Mar 05 j 14:34	0° ℳ	
direct	-9771 May 31 j 17:05	23° ℳ 49'28		evening set	-9765 Mar 29 j 01:51	5° ℳ 07'43	
	-9771 Aug 04 j 19:12	0° ℳ					
evening set	-9771 Oct 01 j 22:14	12° ℳ 11'03		conjunction	-9765 Apr 11 j 16:40	8° ℳ 11'05	-0°57'57
conjunction	-9771 Oct 14 j 15:56	15° ℳ 08'57	0°47'54	minimum elong	-9765 Apr 11 j 16:45	8° ℳ 11'08	0°58'27
minimum elong	-9771 Oct 14 j 16:00	15° ℳ 08'59	0°48'22	max. Earth dist.	-9765 Apr 11 j 15:14	8° ℳ 10'17	6.23269 AU
	-9771 Oct 14 j 00:36	15° ℳ		morning rise	-9765 Apr 25 j 05:06	11° ℳ 13'09	
max. Earth dist.	-9771 Oct 14 j 21:07	15° ℳ 11'58	6.14736 AU		-9765 May 12 j 09:26	15° ℳ	
morning rise	-9771 Oct 27 j 12:29	18° ℳ 08'26		retrograde	-9765 Aug 25 j 21:43	29° ℳ 09'04	
	-9771 Dec 22 j 09:13	0° ℳ		opposition	-9765 Oct 24 j 02:39	24° ℳ 12'16	-0°49'45
retrograde	-9770 Mar 06 j 13:53	7° ℳ 31'55		min. Earth dist.	-9765 Oct 24 j 09:38	24° ℳ 09'56	4.26936 AU
opposition	-9770 May 06 j 17:23	2° ℳ 31'19	0°29'40	direct	-9765 Dec 24 j 06:09	19° ℳ 08'00	
min. Earth dist.	-9770 May 06 j 06:56	2° ℳ 34'45	4.11325 AU	evening set	-9764 Mar 26 j 02:00	0° ℳ	
	-9770 May 26 j 23:36	30° ℳ			-9764 May 01 j 03:45	7° ℳ 38'34	
direct	-9770 Jul 04 j 22:06	27° ℳ 38'14		conjunction	-9764 May 14 j 11:58	10° ℳ 36'34	-0°06'12
	-9770 Aug 12 j 06:46	0° ℳ		minimum elong	-9764 May 14 j 11:58	10° ℳ 36'34	0°06'28
desc. node	-9770 Sep 18 j 04:41	5° ℳ 52'37		behind sun begin	-9764 May 14 j 04:18	10° ℳ 32'19	
evening set	-9770 Nov 04 j 22:10	16° ℳ 17'01		behind sun end	-9764 May 14 j 19:39	10° ℳ 40'49	
conjunction	-9770 Nov 18 j 01:43	19° ℳ 21'54	-0°09'02	max. Earth dist.	-9764 May 13 j 17:13	10° ℳ 26'07	6.30032 AU
minimum elong	-9770 Nov 18 j 01:41	19° ℳ 21'53	0°08'52	morning rise	-9764 May 27 j 16:45	13° ℳ 32'47	
behind sun begin	-9770 Nov 17 j 18:38	19° ℳ 17'46		asc. node	-9764 Jun 28 j 11:31	20° ℳ 20'02	
behind sun end	-9770 Nov 18 j 08:44	19° ℳ 26'00		retrograde	-9764 Sep 01 j 00:08	0° ℳ	
max. Earth dist.	-9770 Nov 19 j 00:58	19° ℳ 35'32	6.08663 AU		-9764 Sep 25 j 13:14	0° ℳ 57'55	
morning rise	-9770 Dec 01 j 08:42	22° ℳ 28'41		opposition	-9764 Oct 20 j 02:57	30° ℳ	
	-9769 Jan 03 j 21:19	0° ℳ		min. Earth dist.	-9764 Nov 24 j 07:38	26° ℳ 04'17	0°29'50
retrograde	-9769 Apr 11 j 21:13	12° ℳ 20'36		direct	-9764 Nov 25 j 00:02	25° ℳ 58'56	4.32345 AU
opposition	-9769 Jun 11 j 08:42	7° ℳ 16'49	-0°57'38		-9763 Jan 25 j 09:34	21° ℳ 01'08	
min. Earth dist.	-9769 Jun 10 j 13:18	7° ℳ 23'19	4.07033 AU	evening set	-9763 Apr 19 j 03:18	0° ℳ	
direct	-9769 Aug 08 j 16:32	2° ℳ 22'03			-9763 Jun 02 j 18:25	9° ℳ 15'35	
evening set	-9769 Dec 10 j 16:33	21° ℳ 18'48		conjunction	-9763 Jun 15 j 17:03	12° ℳ 08'04	0°46'34
conjunction	-9769 Dec 24 j 03:54	24° ℳ 27'57	-1°03'34	minimum elong	-9763 Jun 15 j 16:58	12° ℳ 08'02	0°46'38
minimum elong	-9769 Dec 24 j 03:49	24° ℳ 27'54	1°03'45	max. Earth dist.	-9763 Jun 14 j 12:22	11° ℳ 52'06	6.33657 AU
max. Earth dist.	-9769 Dec 25 j 11:56	24° ℳ 46'43	6.06467 AU	morning rise	-9763 Jun 28 j 12:14	14° ℳ 58'52	
					-9763 Sep 18 j 18:05	0° ℳ	

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Attention, astronomical year style is used: The year -9763 in astronomical counting style is the year 9764 BCE in historical counting style.

retrograde	-9763 Oct 27 j 05:39	2°♄15'49		opposition	-9757 Jun 16 j 10:15	12°♊23'49	-1°09'12
	-9763 Dec 05 j 04:26	30°♄0'		min. Earth dist.	-9757 Jun 15 j 13:27	12°♊30'48	4.06567 AU
opposition	-9763 Dec 26 j 15:59	27°♄23'59	1°39'31	direct	-9757 Aug 13 j 16:12	7°♊28'42	
min. Earth dist.	-9763 Dec 27 j 13:56	27°♄16'58	4.34015 AU	evening set	-9757 Dec 15 j 22:07	26°♊28'32	
direct	-9762 Feb 27 j 04:14	22°♄23'22					
	-9762 May 14 j 07:09	0°♄		conjunction	-9757 Dec 29 j 10:33	29°♊38'09	-1°09'53
evening set	-9762 Jul 04 j 08:20	10°♄28'43		minimum elong	-9757 Dec 29 j 10:27	29°♊38'05	1°10'07
					-9757 Dec 30 j 23:52	0°♊	
conjunction	-9762 Jul 16 j 21:51	13°♄17'24	1°25'21	max. Earth dist.	-9757 Dec 30 j 20:58	29°♊58'18	6.06393 AU
minimum elong	-9762 Jul 16 j 21:47	13°♄17'22	1°25'41	morning rise	-9756 Jan 12 j 01:43	2°♊49'12	
max. Earth dist.	-9762 Jul 15 j 14:25	12°♄59'47	6.33116 AU		-9756 Mar 09 j 01:38	15°♊	
	-9762 Jul 24 j 12:50	15°♄		retrograde	-9756 May 22 j 00:41	22°♊42'11	
morning rise	-9762 Jul 29 j 09:13	16°♄05'02		opposition	-9756 Jul 20 j 15:19	17°♊37'12	-2°10'52
	-9762 Oct 09 j 22:56	0°♊		min. Earth dist.	-9756 Jul 19 j 18:10	17°♊44'25	4.07657 AU
retrograde	-9762 Nov 28 j 13:18	3°♊36'44			-9756 Aug 09 j 21:46	15°♊	
	-9761 Jan 18 j 14:35	30°♊0'		direct	-9756 Sep 16 j 21:08	12°♊38'55	
opposition	-9761 Jan 28 j 14:48	28°♊44'45	2°20'30		-9756 Oct 24 j 21:48	15°♊	
min. Earth dist.	-9761 Jan 29 j 11:19	28°♊38'14	4.31426 AU		-9755 Jan 13 j 02:17	0°♊	
direct	-9761 Mar 31 j 20:56	23°♊47'09		evening set	-9755 Jan 20 j 21:33	1°♊47'07	
	-9761 Jun 07 j 06:03	0°♊					
evening set	-9761 Aug 04 j 12:36	11°♊51'36		conjunction	-9755 Feb 03 j 13:50	4°♊56'41	-1°36'48
				minimum elong	-9755 Feb 03 j 13:48	4°♊56'40	1°37'18
conjunction	-9761 Aug 16 j 21:45	14°♊40'00	1°39'24	max. Earth dist.	-9755 Feb 04 j 20:13	5°♊14'15	6.09822 AU
minimum elong	-9761 Aug 16 j 21:45	14°♊39'59	1°39'57	morning rise	-9755 Feb 17 j 07:29	8°♊06'49	
max. Earth dist.	-9761 Aug 15 j 22:32	14°♊26'48	6.28586 AU	retrograde	-9755 Jun 25 j 18:15	27°♊28'16	
morning rise	-9761 Aug 29 j 06:10	17°♊28'11		opposition	-9755 Aug 23 j 22:05	22°♊24'48	-2°24'29
	-9761 Oct 30 j 05:44	0°♊		min. Earth dist.	-9755 Aug 23 j 06:22	22°♊30'11	4.13158 AU
retrograde	-9761 Dec 31 j 23:56	5°♊32'47		direct	-9755 Oct 21 j 19:51	17°♊23'10	
opposition	-9760 Mar 02 j 11:10	0°♊38'55	2°20'19		-9754 Jan 28 j 08:25	0°♊	
min. Earth dist.	-9760 Mar 03 j 00:11	0°♊34'47	4.25282 AU	evening set	-9754 Feb 26 j 13:57	6°♊25'24	
	-9760 Mar 07 j 14:08	30°♊0'					
direct	-9760 May 02 j 21:23	25°♊44'10		conjunction	-9754 Mar 12 j 06:57	9°♊32'14	-1°28'54
	-9760 Jun 25 j 23:49	0°♊		minimum elong	-9754 Mar 12 j 07:02	9°♊32'16	1°29'28
evening set	-9760 Sep 04 j 00:47	13°♊55'13		max. Earth dist.	-9754 Mar 12 j 22:27	9°♊41'03	6.16878 AU
				morning rise	-9754 Mar 25 j 23:11	12°♊38'29	
conjunction	-9760 Sep 16 j 11:57	16°♊47'25	1°23'35		-9754 Jul 02 j 00:02	0°♊	
minimum elong	-9760 Sep 16 j 12:01	16°♊47'28	1°24'08	retrograde	-9754 Jul 29 j 03:26	1°♊11'52	
max. Earth dist.	-9760 Sep 16 j 01:16	16°♊41'16	6.21334 AU		-9754 Aug 25 j 00:48	30°♊0'	
morning rise	-9760 Sep 29 j 00:37	19°♊40'30		opposition	-9754 Sep 26 j 03:56	26°♊11'45	-1°48'21
	-9760 Nov 16 j 08:48	0°♊		min. Earth dist.	-9754 Sep 26 j 00:25	26°♊12'56	4.20998 AU
retrograde	-9759 Feb 03 j 19:18	8°♊28'16		direct	-9754 Nov 25 j 06:51	21°♊07'56	
opposition	-9759 Apr 06 j 06:38	3°♊31'02	1°35'46		-9753 Feb 14 j 17:06	0°♊	
min. Earth dist.	-9759 Apr 06 j 07:14	3°♊30'51	4.17369 AU	evening set	-9753 Apr 02 j 23:12	9°♊53'08	
	-9759 May 06 j 21:06	30°♊0'					
direct	-9759 Jun 05 j 11:50	28°♊37'56		conjunction	-9753 Apr 16 j 13:17	12°♊55'32	-0°51'21
	-9759 Jul 04 j 20:34	0°♊		minimum elong	-9753 Apr 16 j 13:22	12°♊55'34	0°51'49
	-9759 Sep 27 j 18:48	15°♊		max. Earth dist.	-9753 Apr 16 j 09:45	12°♊53'32	6.24939 AU
evening set	-9759 Oct 06 j 14:52	17°♊02'11			-9753 Apr 25 j 19:28	15°♊	
				morning rise	-9753 Apr 30 j 00:43	15°♊56'29	
conjunction	-9759 Oct 19 j 10:04	20°♊01'14	0°40'31		-9753 Jul 11 j 19:13	0°♊	
minimum elong	-9759 Oct 19 j 10:08	20°♊01'16	0°40'57	retrograde	-9753 Aug 30 j 06:13	3°♊44'47	
max. Earth dist.	-9759 Oct 19 j 18:42	20°♊06'17	6.13557 AU		-9753 Oct 19 j 12:43	30°♊0'	
morning rise	-9759 Nov 01 j 08:03	23°♊01'54		opposition	-9753 Oct 28 j 14:29	28°♊48'27	-0°38'53
	-9759 Dec 02 j 10:34	0°♊		min. Earth dist.	-9753 Oct 28 j 22:17	28°♊45'51	4.28492 AU
retrograde	-9758 Mar 11 j 17:35	12°♊31'16		direct	-9753 Dec 28 j 21:46	23°♊44'14	
opposition	-9758 May 11 j 18:40	7°♊30'13	0°17'20		-9752 Mar 05 j 19:39	0°♊	
min. Earth dist.	-9758 May 11 j 06:55	7°♊34'04	4.10293 AU	evening set	-9752 May 05 j 17:40	12°♊10'02	
direct	-9758 Jul 09 j 19:08	2°♊37'04		asc. node	-9752 May 08 j 13:30	12°♊47'30	
desc. node	-9758 Jul 28 j 12:49	3°♊12'08		max. Earth dist.	-9752 May 18 j 03:22	14°♊55'11	6.31353 AU
evening set	-9758 Nov 09 j 21:50	21°♊19'19					
				conjunction	-9752 May 19 j 00:32	15°♊06'56	0°01'28
conjunction	-9758 Nov 23 j 02:33	24°♊25'06	-0°17'26	minimum elong	-9752 May 19 j 00:31	15°♊06'56	0°01'15
minimum elong	-9758 Nov 23 j 02:31	24°♊25'04	0°17'18	behind sun begin	-9752 May 18 j 16:22	15°♊02'25	
max. Earth dist.	-9758 Nov 24 j 02:27	24°♊39'08	6.07865 AU	behind sun end	-9752 May 19 j 08:40	15°♊11'27	
morning rise	-9758 Dec 06 j 11:01	27°♊32'51		morning rise	-9752 Jun 01 j 03:58	18°♊02'04	
	-9758 Dec 17 j 01:34	0°♊			-9752 Jul 31 j 05:53	0°♊	
retrograde	-9757 Apr 17 j 00:35	17°♊27'53		retrograde	-9752 Sep 29 j 20:56	5°♊22'49	

Planetary Phenomena of Jupiter from -9900 through -9398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 14

Attention, astronomical year style is used: The year -9752 in astronomical counting style is the year 9753 BCE in historical counting style.

opposition	-9752 Nov 28 j 17:26	0° Υ 29'35	0°40'24	evening set	-9746 Nov 14 j 23:03	26° η 25'14	
min. Earth dist.	-9752 Nov 29 j 12:00	0° Υ 23'33	4.33324 AU				
	-9752 Dec 02 j 12:38	30° κ		conjunction	-9746 Nov 28 j 05:18	29° η 32'01	-0°25'47
direct	-9751 Jan 29 j 23:12	25° κ 26'42		minimum elong	-9746 Nov 28 j 05:15	29° η 32'00	0°25'42
	-9751 Mar 28 j 09:54	0° Υ		max. Earth dist.	-9746 Nov 29 j 09:28	29° η 48'35	6.06962 AU
evening set	-9751 Jun 07 j 02:30	13° Υ 37'51			-9746 Nov 30 j 04:52	0° Ω	
				morning rise	-9746 Dec 11 j 14:57	2° Ω 40'42	
conjunction	-9751 Jun 19 j 23:44	16° Υ 29'31	0°52'56	retrograde	-9745 Apr 22 j 07:25	22° Ω 38'33	
minimum elong	-9751 Jun 19 j 23:40	16° Υ 29'29	0°53'03	opposition	-9745 Jun 21 j 12:53	17° Ω 34'06	-1°20'19
max. Earth dist.	-9751 Jun 18 j 16:48	16° Υ 12'19	6.34186 AU	min. Earth dist.	-9745 Jun 20 j 15:42	17° Ω 41'15	4.06179 AU
morning rise	-9751 Jul 02 j 17:41	19° Υ 19'35		direct	-9745 Aug 18 j 18:11	12° Ω 38'34	
	-9751 Aug 24 j 04:28	0° \mathcal{B}			-9745 Dec 13 j 22:58	0° \mathcal{M}	
retrograde	-9751 Oct 31 j 12:32	6° \mathcal{B} 36'22		evening set	-9745 Dec 21 j 05:06	1° \mathcal{M} 40'46	
opposition	-9751 Dec 31 j 01:48	1° \mathcal{B} 44'37	1°47'03				
min. Earth dist.	-9750 Jan 01 j 00:18	1° \mathcal{B} 37'25	4.34084 AU	conjunction	-9744 Jan 03 j 18:11	4° \mathcal{M} 50'35	-1°15'42
	-9750 Jan 14 j 00:32	30° κ Υ		minimum elong	-9744 Jan 03 j 18:05	4° \mathcal{M} 50'32	1°15'58
direct	-9750 Mar 03 j 14:04	26° Υ 44'18		max. Earth dist.	-9744 Jan 05 j 05:05	5° \mathcal{M} 10'59	6.06506 AU
	-9750 Apr 20 j 15:13	0° \mathcal{B}		morning rise	-9744 Jan 17 j 10:06	8° \mathcal{M} 01'48	
evening set	-9750 Jul 08 j 13:42	14° \mathcal{B} 48'50			-9744 Feb 17 j 10:58	15° \mathcal{M}	
	-9750 Jul 09 j 09:44	15° \mathcal{B}		retrograde	-9744 May 27 j 01:32	27° \mathcal{M} 51'46	
max. Earth dist.	-9750 Jul 19 j 19:25	17° \mathcal{B} 19'53	6.32703 AU	opposition	-9744 Jul 25 j 15:17	22° \mathcal{M} 46'44	-2°16'03
				min. Earth dist.	-9744 Jul 24 j 17:16	22° \mathcal{M} 54'16	4.08258 AU
conjunction	-9750 Jul 21 j 02:22	17° \mathcal{B} 37'16	1°28'51	direct	-9744 Sep 21 j 21:42	17° \mathcal{M} 47'52	
minimum elong	-9750 Jul 21 j 02:17	17° \mathcal{B} 37'14	1°29'13		-9744 Dec 26 j 01:47	0° \mathcal{A}	
morning rise	-9750 Aug 02 j 12:52	20° \mathcal{B} 24'43		evening set	-9743 Jan 26 j 05:08	6° \mathcal{A} 55'33	
	-9750 Sep 17 j 10:38	0° Π					
retrograde	-9750 Dec 03 j 00:23	8° Π 00'16		conjunction	-9743 Feb 08 j 21:41	10° \mathcal{A} 04'46	-1°37'49
opposition	-9749 Feb 02 j 03:14	3° Π 08'11	2°23'02	minimum elong	-9743 Feb 08 j 21:40	10° \mathcal{A} 04'45	1°38'20
min. Earth dist.	-9749 Feb 03 j 00:19	3° Π 01'31	4.30563 AU	max. Earth dist.	-9743 Feb 10 j 02:51	10° \mathcal{A} 21'36	6.10808 AU
	-9749 Feb 28 j 23:46	30° κ \mathcal{B}		morning rise	-9743 Feb 22 j 15:14	13° \mathcal{A} 14'21	
direct	-9749 Apr 05 j 07:44	28° \mathcal{B} 10'58			-9743 May 22 j 00:04	0° \mathcal{B}	
	-9749 May 10 j 09:01	0° Π		retrograde	-9743 Jun 30 j 15:15	2° \mathcal{B} 28'43	
evening set	-9749 Aug 08 j 18:33	16° Π 16'58			-9743 Aug 08 j 22:44	30° κ \mathcal{A}	
max. Earth dist.	-9749 Aug 20 j 03:31	18° Π 52'07	6.27324 AU	opposition	-9743 Aug 28 j 17:54	27° \mathcal{A} 25'34	-2°22'06
				min. Earth dist.	-9743 Aug 28 j 04:25	27° \mathcal{A} 30'11	4.14383 AU
conjunction	-9749 Aug 21 j 03:33	19° Π 05'48	1°39'00	direct	-9743 Oct 26 j 20:32	22° \mathcal{A} 23'29	
minimum elong	-9749 Aug 21 j 03:33	19° Π 05'49	1°39'33		-9742 Jan 08 j 05:48	0° \mathcal{B}	
morning rise	-9749 Sep 02 j 12:22	21° Π 54'39		evening set	-9742 Mar 03 j 17:21	11° \mathcal{B} 22'54	
	-9749 Oct 09 j 23:17	0° \mathcal{E}					
retrograde	-9748 Jan 05 j 17:07	10° \mathcal{E} 06'24		conjunction	-9742 Mar 17 j 10:15	14° \mathcal{B} 29'06	-1°25'04
opposition	-9748 Mar 07 j 04:13	5° \mathcal{E} 12'08	2°16'46	minimum elong	-9742 Mar 17 j 10:20	14° \mathcal{B} 29'08	1°25'39
min. Earth dist.	-9748 Mar 07 j 15:59	5° \mathcal{E} 08'23	4.23709 AU	max. Earth dist.	-9742 Mar 17 j 23:51	14° \mathcal{B} 36'48	6.18229 AU
direct	-9748 May 07 j 09:44	0° \mathcal{E} 17'36		morning rise	-9742 Mar 31 j 01:56	17° \mathcal{B} 34'34	
evening set	-9748 Sep 08 j 10:42	18° \mathcal{E} 32'13			-9742 May 30 j 21:46	0° \approx	
				retrograde	-9742 Aug 02 j 17:27	6° \approx 00'08	
conjunction	-9748 Sep 20 j 22:57	21° \mathcal{E} 25'35	1°19'03	opposition	-9742 Sep 30 j 19:39	1° \approx 00'33	-1°39'57
minimum elong	-9748 Sep 20 j 23:02	21° \mathcal{E} 25'37	1°19'36	min. Earth dist.	-9742 Sep 30 j 17:03	1° \approx 01'26	4.22333 AU
max. Earth dist.	-9748 Sep 20 j 15:34	21° \mathcal{E} 21'18	6.19606 AU		-9742 Oct 08 j 08:30	30° κ \mathcal{B}	
morning rise	-9748 Oct 03 j 12:39	24° \mathcal{E} 19'53		direct	-9742 Nov 30 j 01:59	25° \mathcal{B} 56'34	
	-9748 Oct 28 j 20:02	0° Ω			-9741 Jan 21 j 22:04	0° \approx	
retrograde	-9747 Feb 08 j 19:51	13° Ω 16'13		evening set	-9741 Apr 07 j 20:32	14° \approx 38'17	
opposition	-9747 Apr 11 j 04:46	8° Ω 18'29	1°26'26		-9741 Apr 09 j 11:37	15° \approx	
min. Earth dist.	-9747 Apr 11 j 04:06	8° Ω 18'42	4.15617 AU				
direct	-9747 Jun 10 j 05:08	3° Ω 25'31		conjunction	-9741 Apr 21 j 09:42	17° \approx 39'50	-0°44'24
	-9747 Sep 10 j 14:16	15° Ω		minimum elong	-9741 Apr 21 j 09:46	17° \approx 39'52	0°44'50
evening set	-9747 Oct 11 j 08:11	21° Ω 54'27		max. Earth dist.	-9741 Apr 21 j 02:12	17° \approx 35'38	6.26162 AU
				morning rise	-9741 May 04 j 20:15	20° \approx 39'55	
conjunction	-9747 Oct 24 j 04:41	24° Ω 54'49	0°32'51		-9741 Jun 18 j 10:53	0° \mathcal{H}	
minimum elong	-9747 Oct 24 j 04:44	24° Ω 54'50	0°33'14	retrograde	-9741 Sep 03 j 19:04	8° \mathcal{H} 22'37	
max. Earth dist.	-9747 Oct 24 j 14:45	25° Ω 00'42	6.11946 AU	opposition	-9741 Nov 02 j 04:00	3° \mathcal{H} 26'49	-0°27'41
morning rise	-9747 Nov 06 j 04:27	27° Ω 56'57		min. Earth dist.	-9741 Nov 02 j 14:35	3° \mathcal{H} 23'19	4.29490 AU
	-9747 Nov 15 j 01:34	0° η			-9741 Nov 30 j 23:37	30° κ \approx	
retrograde	-9746 Mar 16 j 20:46	17° η 33'29		direct	-9740 Jan 02 j 16:24	28° \approx 22'41	
opposition	-9746 May 16 j 20:16	12° η 31'50	0°04'46		-9740 Feb 04 j 16:54	0° \mathcal{H}	
min. Earth dist.	-9746 May 16 j 05:53	12° η 36'35	4.08973 AU	asc. node	-9740 Mar 17 j 13:15	5° \mathcal{H} 49'12	
desc. node	-9746 Jun 07 j 02:56	9° η 52'46		evening set	-9740 May 10 j 09:19	16° \mathcal{H} 45'42	
direct	-9746 Jul 14 j 16:13	7° η 38'30					

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Attention, astronomical year style is used: The year -9740 in astronomical counting style is the year 9741 BCE in historical counting style.

conjunction	-9740 May 23 j 15:02	19° H 41'49	0°09'12	morning rise	-9735 Nov 11 j 03:06	2° H 57'22	
minimum elong	-9740 May 23 j 15:01	19° H 41'49	0°09'02	retrograde	-9734 Mar 22 j 01:42	22° H 37'32	
behind sun begin	-9740 May 23 j 08:06	19° H 37'59		desc. node	-9734 Apr 16 j 20:29	21° H 34'56	
behind sun end	-9740 May 23 j 21:56	19° H 45'38		opposition	-9734 May 21 j 22:25	17° H 35'26	-0°07'51
max. Earth dist.	-9740 May 22 j 16:21	19° H 29'13	6.32053 AU	min. Earth dist.	-9734 May 21 j 07:15	17° H 40'27	4.08560 AU
morning rise	-9740 Jun 05 j 17:04	22° H 36'07		direct	-9734 Jul 19 j 16:49	12° H 41'55	
	-9740 Jul 10 j 15:23	0° Y			-9734 Nov 13 j 13:25	0° A	
retrograde	-9740 Oct 04 j 06:44	9° Y 54'46		evening set	-9734 Nov 20 j 00:14	1° A 30'01	
opposition	-9740 Dec 03 j 06:26	5° Y 01'52	0°51'03				
min. Earth dist.	-9740 Dec 04 j 01:22	4° Y 55'43	4.33697 AU	conjunction	-9734 Dec 03 j 07:27	4° A 37'17	-0°33'51
	-9739 Jan 31 j 17:59	30° R H		minimum elong	-9734 Dec 03 j 07:24	4° A 37'15	0°33'51
direct	-9739 Feb 03 j 13:11	29° H 59'17		max. Earth dist.	-9734 Dec 04 j 12:34	4° A 54'23	6.06899 AU
	-9739 Feb 06 j 08:24	0° Y		morning rise	-9734 Dec 16 j 18:18	7° A 46'26	
evening set	-9739 Jun 11 j 14:29	18° Y 09'13		retrograde	-9733 Apr 27 j 08:15	27° A 43'41	
max. Earth dist.	-9739 Jun 23 j 02:22	20° Y 42'29	6.34200 AU	opposition	-9733 Jun 26 j 12:30	22° A 39'01	-1°30'33
				min. Earth dist.	-9733 Jun 25 j 13:56	22° A 46'39	4.06495 AU
conjunction	-9739 Jun 24 j 10:17	21° Y 00'16	0°59'15	direct	-9733 Aug 23 j 16:28	17° A 43'03	
minimum elong	-9739 Jun 24 j 10:12	21° Y 00'14	0°59'23		-9733 Nov 26 j 08:59	0° M	
morning rise	-9739 Jul 07 j 03:01	23° Y 49'48		evening set	-9733 Dec 26 j 09:12	6° M 45'34	
	-9739 Aug 04 j 21:06	0° B					
retrograde	-9739 Nov 05 j 02:30	11° B 08'11		conjunction	-9732 Jan 08 j 22:54	9° M 55'19	-1°20'46
opposition	-9738 Jan 04 j 16:57	6° B 16'35	1°54'21	minimum elong	-9732 Jan 08 j 22:49	9° M 55'15	1°21'04
min. Earth dist.	-9738 Jan 05 j 16:38	6° B 09'03	4.33750 AU	max. Earth dist.	-9732 Jan 10 j 09:33	10° M 15'32	6.07142 AU
direct	-9738 Mar 08 j 05:50	1° B 16'43		morning rise	-9732 Jan 22 j 15:08	13° M 06'19	
	-9738 Jun 23 j 01:54	15° B			-9732 Jan 30 j 20:48	15° M	
evening set	-9738 Jul 12 j 23:56	19° B 21'27			-9732 Apr 18 j 23:58	0° X	
max. Earth dist.	-9738 Jul 24 j 04:36	21° B 52'14	6.32029 AU	retrograde	-9732 May 31 j 23:26	2° X 51'41	
					-9732 Jul 13 j 15:17	30° R M	
conjunction	-9738 Jul 25 j 11:45	22° B 09'46	1°32'01	opposition	-9732 Jul 30 j 11:04	27° M 46'45	-2°20'00
minimum elong	-9738 Jul 25 j 11:42	22° B 09'44	1°32'26	min. Earth dist.	-9732 Jul 29 j 14:53	27° M 53'40	4.09143 AU
morning rise	-9738 Aug 06 j 21:43	24° B 57'14		direct	-9732 Sep 26 j 20:28	22° M 47'22	
	-9738 Aug 29 j 23:32	0° II			-9732 Dec 05 j 23:39	0° X	
retrograde	-9738 Dec 07 j 17:07	12° II 37'33		evening set	-9731 Jan 31 j 08:12	11° X 53'52	
opposition	-9737 Feb 06 j 21:49	7° II 45'19	2°24'53				
min. Earth dist.	-9737 Feb 07 j 17:17	7° II 39'08	4.29621 AU	conjunction	-9731 Feb 14 j 01:02	15° X 02'43	-1°38'05
direct	-9737 Apr 09 j 22:41	2° II 48'33		minimum elong	-9731 Feb 14 j 01:02	15° X 02'43	1°38'37
evening set	-9737 Aug 13 j 05:53	20° II 56'01		max. Earth dist.	-9731 Feb 15 j 04:51	15° X 18'43	6.11850 AU
				morning rise	-9731 Feb 27 j 18:26	18° X 11'45	
conjunction	-9737 Aug 25 j 15:00	23° II 45'20	1°38'00		-9731 Apr 24 j 21:26	0° Z	
minimum elong	-9737 Aug 25 j 15:02	23° II 45'20	1°38'33	retrograde	-9731 Jul 05 j 07:04	7° Z 19'18	
max. Earth dist.	-9737 Aug 24 j 18:02	23° II 33'20	6.26209 AU	opposition	-9731 Sep 02 j 09:32	2° Z 16'37	-2°18'48
morning rise	-9737 Sep 06 j 24:00	26° II 34'45		min. Earth dist.	-9731 Sep 01 j 21:08	2° Z 20'51	4.15482 AU
	-9737 Sep 22 j 06:24	0° E			-9731 Sep 19 j 17:52	30° R X	
retrograde	-9736 Jan 10 j 16:28	14° E 53'00		direct	-9731 Oct 31 j 14:48	27° X 14'11	
opposition	-9736 Mar 12 j 02:49	9° E 58'25	2°12'09		-9731 Dec 12 j 22:14	0° Z	
min. Earth dist.	-9736 Mar 12 j 13:31	9° E 55'01	4.22507 AU	evening set	-9730 Mar 08 j 16:40	16° Z 11'31	
direct	-9736 May 12 j 04:50	5° E 04'18					
evening set	-9736 Sep 13 j 01:36	23° E 20'57		conjunction	-9730 Mar 22 j 09:10	19° Z 17'08	-1°20'48
				minimum elong	-9730 Mar 22 j 09:15	19° Z 17'11	1°21'22
conjunction	-9736 Sep 25 j 14:40	26° E 15'13	1°13'50	max. Earth dist.	-9730 Mar 22 j 18:02	19° Z 22'10	6.19292 AU
minimum elong	-9736 Sep 25 j 14:45	26° E 15'15	1°14'23	morning rise	-9730 Apr 05 j 00:29	22° Z 21'59	
max. Earth dist.	-9736 Sep 25 j 08:52	26° E 11'51	6.18450 AU		-9730 May 10 j 09:04	0° W	
morning rise	-9736 Oct 08 j 05:43	29° E 10'35		retrograde	-9730 Aug 07 j 06:42	10° W 41'22	
	-9736 Oct 11 j 19:43	0° O		opposition	-9730 Oct 05 j 08:36	5° W 42'20	-1°31'12
	-9736 Dec 29 j 00:13	15° O		min. Earth dist.	-9730 Oct 05 j 08:57	5° W 42'12	4.23253 AU
retrograde	-9735 Feb 13 j 20:54	18° O 13'08		direct	-9730 Dec 04 j 20:24	0° W 38'09	
	-9735 Apr 02 j 09:57	15° R O			-9729 Mar 23 j 21:51	15° W	
opposition	-9735 Apr 16 j 06:12	13° O 14'51	1°16'11	evening set	-9729 Apr 12 j 15:03	19° W 17'57	
min. Earth dist.	-9735 Apr 16 j 02:20	13° O 16'06	4.14609 AU				
direct	-9735 Jun 15 j 01:27	8° O 22'00		conjunction	-9729 Apr 26 j 03:38	22° W 18'57	-0°37'20
	-9735 Aug 21 j 06:18	15° O		minimum elong	-9729 Apr 26 j 03:41	22° W 18'59	0°37'44
evening set	-9735 Oct 16 j 04:00	26° O 52'57		max. Earth dist.	-9729 Apr 25 j 18:31	22° W 13'51	6.26891 AU
				morning rise	-9729 May 09 j 13:05	25° W 18'20	
conjunction	-9735 Oct 29 j 02:00	29° O 54'16	0°24'50		-9729 May 31 j 02:49	0° H	
minimum elong	-9735 Oct 29 j 02:03	29° O 54'17	0°25'10	retrograde	-9729 Sep 08 j 05:12	12° H 57'20	
	-9735 Oct 29 j 11:48	0° H		opposition	-9729 Nov 06 j 16:01	8° H 02'02	-0°16'32
max. Earth dist.	-9735 Oct 29 j 16:30	0° H 02'45	6.11203 AU	min. Earth dist.	-9729 Nov 07 j 03:25	7° H 58'16	4.29980 AU

Attention, astronomical year style is used: The year -9728 in astronomical counting style is the year 9729 BCE in historical counting style.

direct	-9728 Jan 07 j 06:22	2° H 58'01		minimum elong	-9723 Nov 02 j 22:43	4° H 50'52	0°17'00
asc. node	-9728 Jan 26 j 14:48	3° H 32'06		max. Earth dist.	-9723 Nov 03 j 14:45	5° H 00'15	6.10625 AU
evening set	-9728 May 15 j 00:04	21° H 19'59		morning rise	-9723 Nov 16 j 01:21	7° H 54'52	
max. Earth dist.	-9728 May 27 j 02:48	24° H 01'15	6.32268 AU	desc. node	-9722 Feb 24 j 14:39	26° H 11'52	
				retrograde	-9722 Mar 27 j 03:12	27° H 37'55	
conjunction	-9728 May 28 j 04:23	24° H 15'29	0°16'46	opposition	-9722 May 26 j 22:45	22° H 35'22	-0°20'20
minimum elong	-9728 May 28 j 04:21	24° H 15'28	0°16'39	min. Earth dist.	-9722 May 26 j 05:30	22° H 41'06	4.08223 AU
morning rise	-9728 Jun 10 j 05:19	27° H 09'13		direct	-9722 Jul 24 j 13:36	17° H 41'37	
	-9728 Jun 23 j 05:36	0° Y			-9722 Oct 27 j 06:06	0° L	
retrograde	-9728 Oct 08 j 19:53	14° Y 27'30		evening set	-9722 Nov 25 j 00:42	6° L 31'21	
opposition	-9728 Dec 07 j 20:10	9° Y 34'53	1°01'22				
min. Earth dist.	-9728 Dec 08 j 16:53	9° Y 28'11	4.33643 AU	conjunction	-9722 Dec 08 j 09:01	9° L 39'05	-0°41'38
direct	-9727 Feb 08 j 05:09	4° Y 32'36		minimum elong	-9722 Dec 08 j 08:57	9° L 39'03	0°41'40
evening set	-9727 Jun 16 j 02:32	22° Y 42'21		max. Earth dist.	-9722 Dec 09 j 15:25	9° L 56'57	6.06821 AU
				morning rise	-9722 Dec 21 j 20:47	12° L 48'40	
conjunction	-9727 Jun 28 j 21:12	25° Y 33'00	1°05'11		-9721 Mar 20 j 21:27	0° L	
minimum elong	-9727 Jun 28 j 21:07	25° Y 32'57	1°05'22	retrograde	-9721 May 02 j 09:37	2° L 45'36	
max. Earth dist.	-9727 Jun 27 j 13:55	25° Y 15'32	6.33870 AU		-9721 Jun 13 j 15:27	30° R L	
morning rise	-9727 Jul 11 j 12:42	28° Y 22'09		opposition	-9721 Jul 01 j 11:05	27° L 40'45	-1°40'03
	-9727 Jul 18 j 22:01	0° R		min. Earth dist.	-9721 Jun 30 j 13:14	27° L 48'09	4.06694 AU
	-9727 Oct 19 j 05:49	15° R		direct	-9721 Aug 28 j 15:32	22° L 44'20	
retrograde	-9727 Nov 09 j 16:09	15° R 43'11			-9721 Nov 06 j 09:51	0° L	
	-9727 Dec 01 j 05:19	15° R R		evening set	-9721 Dec 31 j 12:42	11° L 47'50	
opposition	-9726 Jan 09 j 09:26	10° R 51'34	2°01'00				
min. Earth dist.	-9726 Jan 10 j 07:42	10° R 44'28	4.33209 AU	conjunction	-9720 Jan 14 j 03:04	14° L 57'38	-1°25'13
direct	-9726 Mar 12 j 20:09	5° R 52'09		minimum elong	-9720 Jan 14 j 02:59	14° L 57'35	1°25'35
	-9726 Jun 04 j 22:40	15° R			-9720 Jan 14 j 07:08	15° L	
evening set	-9726 Jul 17 j 11:24	23° R 57'21		max. Earth dist.	-9720 Jan 15 j 13:59	15° L 17'59	6.07589 AU
				morning rise	-9720 Jan 27 j 19:39	18° L 08'32	
conjunction	-9726 Jul 29 j 22:23	26° R 45'34	1°34'38		-9720 Mar 23 j 09:15	0° R	
minimum elong	-9726 Jul 29 j 22:20	26° R 45'32	1°35'05	retrograde	-9720 Jun 05 j 20:25	7° R 50'00	
max. Earth dist.	-9726 Jul 28 j 16:45	26° R 28'50	6.31309 AU	min. Earth dist.	-9720 Aug 03 j 10:47	2° R 52'02	4.09818 AU
morning rise	-9726 Aug 11 j 07:49	29° R 33'05		opposition	-9720 Aug 04 j 06:27	2° R 45'19	-2°22'59
	-9726 Aug 13 j 07:54	0° II			-9720 Aug 25 j 15:55	30° R L	
retrograde	-9726 Dec 12 j 12:53	17° II 18'02		direct	-9720 Oct 01 j 16:56	27° L 45'31	
opposition	-9725 Feb 11 j 17:56	12° II 25'32	2°25'48		-9720 Nov 08 j 00:45	0° R	
min. Earth dist.	-9725 Feb 12 j 12:56	12° II 19'31	4.28774 AU	evening set	-9719 Feb 05 j 11:35	16° R 51'43	
direct	-9725 Apr 14 j 17:03	7° II 29'11					
evening set	-9725 Aug 17 j 18:01	25° II 37'17		conjunction	-9719 Feb 19 j 04:26	20° R 00'15	-1°37'40
max. Earth dist.	-9725 Aug 29 j 08:02	28° II 16'00	6.25294 AU	minimum elong	-9719 Feb 19 j 04:27	20° R 00'15	1°38'12
				max. Earth dist.	-9719 Feb 20 j 04:30	20° R 14'04	6.12677 AU
conjunction	-9725 Aug 30 j 03:18	28° II 27'02	1°36'21	morning rise	-9719 Mar 04 j 21:54	23° R 08'54	
minimum elong	-9725 Aug 30 j 03:19	28° II 27'03	1°36'55		-9719 Apr 04 j 23:22	0° R	
	-9725 Sep 05 j 21:46	0° L		retrograde	-9719 Jul 10 j 00:03	12° R 10'33	
morning rise	-9725 Sep 11 j 12:49	1° L 17'02		opposition	-9719 Sep 07 j 01:43	7° R 08'18	-2°14'35
retrograde	-9724 Jan 15 j 13:51	19° L 40'45		min. Earth dist.	-9719 Sep 06 j 15:32	7° R 11'47	4.16370 AU
opposition	-9724 Mar 17 j 01:53	14° L 45'38	2°06'35	direct	-9719 Nov 05 j 11:40	2° R 05'30	
min. Earth dist.	-9724 Mar 17 j 09:28	14° L 43'12	4.21583 AU	evening set	-9718 Mar 13 j 16:31	21° R 01'28	
direct	-9724 May 16 j 23:05	9° L 51'46					
evening set	-9724 Sep 17 j 16:23	28° L 09'17		conjunction	-9718 Mar 27 j 08:57	24° R 06'41	-1°15'56
	-9724 Sep 25 j 15:46	0° L		minimum elong	-9718 Mar 27 j 09:02	24° R 06'44	1°16'28
				max. Earth dist.	-9718 Mar 27 j 16:23	24° R 10'53	6.20195 AU
conjunction	-9724 Sep 30 j 06:31	1° L 04'20	1°08'07	morning rise	-9718 Apr 09 j 23:34	27° R 10'54	
minimum elong	-9724 Sep 30 j 06:36	1° L 04'23	1°08'39		-9718 Apr 22 j 16:02	0° L	
max. Earth dist.	-9724 Sep 30 j 04:30	1° L 03'10	6.17594 AU		-9718 Jul 27 j 01:40	15° L	
morning rise	-9724 Oct 12 j 22:39	4° L 00'36		retrograde	-9718 Aug 11 j 20:38	15° L 24'43	
	-9724 Dec 03 j 09:34	15° L			-9718 Aug 27 j 13:04	15° R L	
retrograde	-9723 Feb 18 j 23:26	23° L 08'08		opposition	-9718 Oct 09 j 22:41	10° L 26'17	-1°21'46
opposition	-9723 Apr 21 j 07:02	18° L 09'17	1°05'24	min. Earth dist.	-9718 Oct 10 j 00:20	10° L 25'44	4.24073 AU
min. Earth dist.	-9723 Apr 21 j 02:14	18° L 10'51	4.13857 AU	direct	-9718 Dec 09 j 13:34	5° L 22'05	
	-9723 May 17 j 18:58	15° R L			-9717 Mar 05 j 13:37	15° L	
direct	-9723 Jun 19 j 23:47	13° L 16'27		evening set	-9717 Apr 17 j 10:28	24° L 00'09	
	-9723 Jul 22 j 19:13	15° L					
	-9723 Oct 13 j 03:47	0° H		conjunction	-9717 Apr 30 j 22:02	27° L 00'31	-0°29'55
evening set	-9723 Oct 20 j 23:28	1° H 48'42		minimum elong	-9717 Apr 30 j 22:05	27° L 00'33	0°30'18
				max. Earth dist.	-9717 Apr 30 j 09:06	26° L 53'17	6.27572 AU
conjunction	-9723 Nov 02 j 22:41	4° H 50'51	0°16'41	morning rise	-9717 May 14 j 06:40	29° L 59'17	

Attention, astronomical year style is used: The year -9717 in astronomical counting style is the year 9718 BCE in historical counting style.

	-9717 May 14 j 07:58	0° H		conjunction	-9711 Nov 07 j 18:02	9° H 43'53	0°08'33
retrograde	-9717 Sep 12 j 18:11	17° H 35'01		minimum elong	-9711 Nov 07 j 18:04	9° H 43'54	0°08'49
opposition	-9717 Nov 11 j 05:50	12° H 40'11	-0°05'07	behind sun begin	-9711 Nov 07 j 11:02	9° H 39'47	
min. Earth dist.	-9717 Nov 11 j 19:09	12° H 35'48	4.30474 AU	behind sun end	-9711 Nov 08 j 01:05	9° H 48'00	
asc. node	-9717 Dec 06 j 06:15	9° H 36'58		max. Earth dist.	-9711 Nov 08 j 11:57	9° H 54'23	6.10058 AU
direct	-9716 Jan 11 j 23:34	7° H 36'21		morning rise	-9711 Nov 20 j 22:02	12° H 48'44	
evening set	-9716 May 19 j 15:24	25° H 57'02		desc. node	-9710 Jan 04 j 17:04	22° H 38'32	
					-9710 Feb 18 j 19:05	0° H	
conjunction	-9716 Jun 01 j 18:33	28° H 51'54	0°24'21	retrograde	-9710 Apr 01 j 04:20	2° H 34'46	
minimum elong	-9716 Jun 01 j 18:31	28° H 51'52	0°24'17		-9710 May 12 j 11:00	30° R H	
max. Earth dist.	-9716 May 31 j 17:19	28° H 37'51	6.32557 AU	opposition	-9710 May 31 j 21:16	27° H 31'45	-0°32'29
	-9716 Jun 06 j 20:54	0° Y		min. Earth dist.	-9710 May 31 j 03:50	27° H 37'34	4.07805 AU
morning rise	-9716 Jun 14 j 18:00	1° Y 44'56		direct	-9710 Jul 29 j 10:33	22° H 37'40	
retrograde	-9716 Oct 13 j 07:56	19° Y 02'46			-9710 Oct 07 j 17:43	0° H	
opposition	-9716 Dec 12 j 10:55	14° Y 10'27	1°11'26	evening set	-9710 Nov 30 j 00:01	11° H 29'33	
min. Earth dist.	-9716 Dec 13 j 07:09	14° Y 03'55	4.33738 AU				
direct	-9715 Feb 12 j 19:55	9° Y 08'37		conjunction	-9710 Dec 13 j 09:25	14° H 37'50	-0°48'59
evening set	-9715 Jun 20 j 15:10	27° Y 17'32		minimum elong	-9710 Dec 13 j 09:20	14° H 37'47	0°49'04
max. Earth dist.	-9715 Jul 02 j 00:17	29° Y 49'41	6.33760 AU	max. Earth dist.	-9710 Dec 14 j 17:05	14° H 56'24	6.06591 AU
	-9715 Jul 02 j 18:44	0° B		morning rise	-9710 Dec 26 j 22:06	17° H 47'52	
					-9709 Feb 21 j 22:19	0° H	
conjunction	-9715 Jul 03 j 08:22	0° B 07'37	1°10'48	retrograde	-9709 May 07 j 09:05	7° H 44'50	
minimum elong	-9715 Jul 03 j 08:17	0° B 07'35	1°11'01	min. Earth dist.	-9709 Jul 05 j 10:06	2° H 47'19	4.06706 AU
morning rise	-9715 Jul 15 j 22:52	2° B 56'22		opposition	-9709 Jul 06 j 08:02	2° H 39'53	-1°48'43
	-9715 Sep 14 j 10:46	15° B			-9709 Jul 27 j 02:41	30° R H	
retrograde	-9715 Nov 14 j 08:21	20° B 19'27		direct	-9709 Sep 02 j 11:16	27° H 43'02	
opposition	-9714 Jan 14 j 02:38	15° B 27'49	2°06'55		-9709 Oct 09 j 20:04	0° H	
min. Earth dist.	-9714 Jan 15 j 01:09	15° B 20'39	4.32919 AU		-9709 Dec 28 j 19:27	15° H	
	-9714 Jan 17 j 18:08	15° R B		evening set	-9708 Jan 05 j 15:58	16° H 48'28	
direct	-9714 Mar 17 j 13:19	10° B 28'50					
	-9714 May 13 j 12:16	15° B		conjunction	-9708 Jan 19 j 06:46	19° H 58'21	-1°28'59
evening set	-9714 Jul 21 j 22:09	28° B 33'26		minimum elong	-9708 Jan 19 j 06:42	19° H 58'19	1°29'23
	-9714 Jul 28 j 08:10	0° H		max. Earth dist.	-9708 Jan 20 j 15:13	20° H 17'14	6.07820 AU
max. Earth dist.	-9714 Aug 02 j 05:01	1° H 05'58	6.30854 AU	morning rise	-9708 Feb 01 j 23:51	23° H 09'16	
					-9708 Mar 03 j 14:23	0° H	
conjunction	-9714 Aug 03 j 08:35	1° H 21'33	1°36'39	retrograde	-9708 Jun 10 j 16:47	12° H 47'32	
minimum elong	-9714 Aug 03 j 08:33	1° H 21'31	1°37'07	min. Earth dist.	-9708 Aug 08 j 06:39	7° H 49'23	4.10259 AU
morning rise	-9714 Aug 15 j 17:30	4° H 09'02		opposition	-9708 Aug 09 j 01:10	7° H 43'02	-2°24'54
retrograde	-9714 Dec 17 j 05:38	21° H 57'50		direct	-9708 Oct 06 j 14:17	2° H 42'43	
opposition	-9713 Feb 16 j 13:31	17° H 05'01	2°25'45	evening set	-9707 Feb 10 j 14:49	21° H 49'27	
min. Earth dist.	-9713 Feb 17 j 06:04	16° H 59'47	4.28190 AU				
direct	-9713 Apr 19 j 09:04	12° H 09'07		conjunction	-9707 Feb 24 j 08:04	24° H 57'51	-1°36'30
	-9713 Aug 20 j 23:22	0° H		minimum elong	-9707 Feb 24 j 08:06	24° H 57'52	1°37'04
evening set	-9713 Aug 22 j 05:11	0° H 16'56		max. Earth dist.	-9707 Feb 25 j 07:29	25° H 11'16	6.13310 AU
				morning rise	-9707 Mar 10 j 01:16	28° H 06'08	
conjunction	-9713 Sep 03 j 14:38	3° H 07'02	1°34'04		-9707 Mar 18 j 10:43	0° H	
minimum elong	-9713 Sep 03 j 14:40	3° H 07'04	1°34'39	retrograde	-9707 Jul 14 j 18:22	17° H 02'23	
max. Earth dist.	-9713 Sep 02 j 21:40	2° H 57'18	6.24625 AU	opposition	-9707 Sep 11 j 18:18	12° H 00'39	-2°09'24
morning rise	-9713 Sep 16 j 00:37	5° H 57'32		min. Earth dist.	-9707 Sep 11 j 09:34	12° H 03'38	4.17132 AU
retrograde	-9712 Jan 20 j 11:42	24° H 25'58		direct	-9707 Nov 10 j 07:29	6° H 57'35	
opposition	-9712 Mar 21 j 23:34	19° H 30'21	2°00'12	evening set	-9706 Mar 18 j 16:50	25° H 52'19	
min. Earth dist.	-9712 Mar 22 j 06:18	19° H 28'11	4.20842 AU				
direct	-9712 May 21 j 18:34	14° H 36'41		conjunction	-9706 Apr 01 j 08:47	28° H 57'03	-1°10'30
	-9712 Sep 09 j 12:07	0° H		minimum elong	-9706 Apr 01 j 08:52	28° H 57'06	1°11'02
evening set	-9712 Sep 22 j 05:57	2° H 54'37		max. Earth dist.	-9706 Apr 01 j 12:44	28° H 59'16	6.21033 AU
					-9706 Apr 06 j 00:20	0° H	
conjunction	-9712 Oct 04 j 21:07	5° H 50'27	1°02'01	morning rise	-9706 Apr 14 j 22:59	2° H 00'43	
minimum elong	-9712 Oct 04 j 21:12	5° H 50'30	1°02'30		-9706 Jun 18 j 17:48	15° H	
max. Earth dist.	-9712 Oct 04 j 21:08	5° H 50'27	6.16859 AU	retrograde	-9706 Aug 16 j 10:13	20° H 09'04	
morning rise	-9712 Oct 17 j 14:35	8° H 47'37		opposition	-9706 Oct 14 j 13:27	15° H 11'05	-1°11'43
	-9712 Nov 14 j 07:12	15° H		min. Earth dist.	-9706 Oct 14 j 16:31	15° H 10'04	4.24914 AU
retrograde	-9711 Feb 23 j 21:54	27° H 59'33			-9706 Oct 15 j 22:32	15° R H	
opposition	-9711 Apr 26 j 05:37	23° H 00'09	0°54'18	direct	-9706 Dec 14 j 08:18	10° H 06'47	
min. Earth dist.	-9711 Apr 25 j 22:24	23° H 02'29	4.13177 AU		-9705 Feb 11 j 03:33	15° H	
direct	-9711 Jun 24 j 17:57	18° H 07'17		evening set	-9705 Apr 22 j 06:05	28° H 42'43	
	-9711 Sep 26 j 02:43	0° H			-9705 Apr 28 j 01:16	0° H	
evening set	-9711 Oct 25 j 17:31	6° H 40'56					

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Attention, astronomical year style is used: The year -9705 in astronomical counting style is the year 9706 BCE in historical counting style.

conjunction	-9705 May 05 j 16:46	1° H 42'23	-0°22'17	direct	-9699 Jun 29 j 15:06	23° Ω 03'18	
minimum elong	-9705 May 05 j 16:49	1° H 42'24	0°22'37		-9699 Sep 06 j 03:04	0° H	
max. Earth dist.	-9705 May 05 j 03:13	1° H 34'49	6.28375 AU	evening set	-9699 Oct 30 j 14:52	11° H 40'17	
morning rise	-9705 May 19 j 00:08	4° H 40'20					
retrograde	-9705 Sep 17 j 06:15	22° H 12'13		conjunction	-9699 Nov 12 j 16:52	14° H 44'18	0°00'07
asc. node	-9705 Oct 15 j 15:46	20° H 54'50		minimum elong	-9699 Nov 12 j 16:53	14° H 44'18	0°00'20
opposition	-9705 Nov 15 j 19:41	17° H 17'47	0°06'21	behind sun begin	-9699 Nov 12 j 08:43	14° H 39'32	
min. Earth dist.	-9705 Nov 16 j 09:48	17° H 13'10	4.31162 AU	behind sun end	-9699 Nov 13 j 01:03	14° H 49'04	
direct	-9704 Jan 16 j 16:01	12° H 14'10		desc. node	-9699 Nov 13 j 09:47	14° H 54'13	
	-9704 May 21 j 19:12	0° Y		max. Earth dist.	-9699 Nov 13 j 13:41	14° H 56'30	6.09111 AU
evening set	-9704 May 24 j 06:16	0° Y 32'32		morning rise	-9699 Nov 25 j 22:18	17° H 50'13	
max. Earth dist.	-9704 Jun 05 j 04:20	3° Y 11'14	6.33046 AU		-9698 Jan 21 j 19:51	0° Ω	
				retrograde	-9698 Apr 06 j 08:50	7° Ω 40'20	
conjunction	-9704 Jun 06 j 07:55	3° Y 26'35	0°31'47	opposition	-9698 Jun 05 j 22:48	2° Ω 37'00	-0°44'46
minimum elong	-9704 Jun 06 j 07:52	3° Y 26'33	0°31'45	min. Earth dist.	-9698 Jun 05 j 04:15	2° Ω 43'11	4.07146 AU
morning rise	-9704 Jun 19 j 06:10	6° Y 18'53			-9698 Jun 26 j 15:32	30° R H	
retrograde	-9704 Oct 17 j 20:29	23° Y 35'41		direct	-9698 Aug 03 j 08:28	27° H 42'41	
opposition	-9704 Dec 17 j 01:24	18° Y 43'29	1°21'02		-9698 Sep 09 j 18:52	0° Ω	
min. Earth dist.	-9704 Dec 17 j 22:34	18° Y 36'40	4.33992 AU	evening set	-9698 Dec 05 j 04:04	16° Ω 37'57	
direct	-9703 Feb 17 j 12:02	13° Y 41'56					
	-9703 Jun 16 j 19:51	0° B		conjunction	-9698 Dec 18 j 14:23	19° Ω 46'47	-0°56'14
evening set	-9703 Jun 25 j 02:14	1° B 49'17		minimum elong	-9698 Dec 18 j 14:18	19° Ω 46'44	0°56'21
max. Earth dist.	-9703 Jul 06 j 11:35	4° B 21'39	6.33727 AU	max. Earth dist.	-9698 Dec 19 j 21:57	20° Ω 05'19	6.06262 AU
				morning rise	-9697 Jan 01 j 04:08	22° Ω 57'22	
conjunction	-9703 Jul 07 j 18:21	4° B 38'51	1°15'57		-9697 Feb 01 j 10:49	0° M	
minimum elong	-9703 Jul 07 j 18:16	4° B 38'48	1°16'14	retrograde	-9697 May 12 j 11:39	12° M 54'26	
morning rise	-9703 Jul 20 j 07:34	7° B 27'06		min. Earth dist.	-9697 Jul 10 j 10:15	7° M 57'03	4.06774 AU
	-9703 Aug 24 j 19:17	15° B		opposition	-9697 Jul 11 j 08:40	7° M 49'26	-1°56'51
retrograde	-9703 Nov 18 j 21:19	24° B 52'09		direct	-9697 Sep 07 j 12:12	2° M 52'10	
opposition	-9702 Jan 18 j 18:42	20° B 00'28	2°12'03		-9697 Dec 10 j 18:28	15° M	
min. Earth dist.	-9702 Jan 19 j 16:22	19° B 53'35	4.32601 AU	evening set	-9696 Jan 10 j 23:20	21° M 59'17	
direct	-9702 Mar 22 j 03:49	15° B 01'58					
	-9702 Jul 12 j 07:54	0° II		conjunction	-9696 Jan 24 j 14:52	25° M 09'13	-1°32'14
evening set	-9702 Jul 26 j 08:00	3° II 06'11		minimum elong	-9696 Jan 24 j 14:49	25° M 09'11	1°32'39
				max. Earth dist.	-9696 Jan 26 j 00:42	25° M 28'52	6.08304 AU
conjunction	-9702 Aug 07 j 17:43	5° II 54'15	1°38'07	morning rise	-9696 Feb 07 j 08:04	28° M 19'58	
minimum elong	-9702 Aug 07 j 17:42	5° II 54'14	1°38'36		-9696 Feb 14 j 14:37	0° J	
max. Earth dist.	-9702 Aug 06 j 13:58	5° II 38'32	6.30246 AU	retrograde	-9696 Jun 15 j 17:30	17° J 53'34	
morning rise	-9702 Aug 20 j 02:28	8° II 41'53		opposition	-9696 Aug 13 j 23:08	12° J 49'25	-2°25'48
retrograde	-9702 Dec 22 j 00:12	26° II 35'17		min. Earth dist.	-9696 Aug 13 j 05:30	12° J 55'27	4.11149 AU
opposition	-9701 Feb 21 j 08:25	21° II 42'10	2°24'52	direct	-9696 Oct 11 j 15:06	7° J 48'46	
min. Earth dist.	-9701 Feb 22 j 00:42	21° II 37'00	4.27320 AU	evening set	-9695 Feb 15 j 20:57	26° J 54'02	
direct	-9701 Apr 24 j 02:00	16° II 46'35					
	-9701 Aug 04 j 13:35	0° E		conjunction	-9695 Mar 01 j 14:05	0° Z 01'53	-1°34'39
evening set	-9701 Aug 26 j 16:01	4° E 55'25		minimum elong	-9695 Mar 01 j 14:08	0° Z 01'55	1°35'14
max. Earth dist.	-9701 Sep 07 j 11:25	7° E 37'46	6.23570 AU		-9695 Mar 01 j 10:47	0° Z	
				max. Earth dist.	-9695 Mar 02 j 11:11	0° Z 13'57	6.14550 AU
conjunction	-9701 Sep 08 j 02:02	7° E 46'10	1°31'15	morning rise	-9695 Mar 15 j 07:09	3° Z 09'31	
minimum elong	-9701 Sep 08 j 02:05	7° E 46'12	1°31'50	retrograde	-9695 Jul 19 j 10:42	21° Z 57'48	
morning rise	-9701 Sep 20 j 12:41	10° E 37'26		opposition	-9695 Sep 16 j 11:56	16° Z 56'31	-2°03'15
retrograde	-9700 Jan 25 j 09:05	29° E 12'03		min. Earth dist.	-9695 Sep 16 j 03:46	16° Z 59'18	4.18615 AU
opposition	-9700 Mar 26 j 21:36	24° E 15'59	1°53'04	direct	-9695 Nov 15 j 05:09	11° Z 53'11	
min. Earth dist.	-9700 Mar 27 j 02:13	24° E 14'30	4.19670 AU		-9694 Mar 20 j 10:24	0° \approx	
direct	-9700 May 26 j 11:43	19° E 22'34		evening set	-9694 Mar 23 j 17:02	0° \approx 43'50	
	-9700 Aug 23 j 01:10	0° Ω					
evening set	-9700 Sep 26 j 20:56	7° Ω 42'45		conjunction	-9694 Apr 06 j 08:27	3° \approx 47'39	-1°04'39
				minimum elong	-9694 Apr 06 j 08:32	3° \approx 47'42	1°05'10
conjunction	-9700 Oct 09 j 13:13	10° Ω 39'37	0°55'26	max. Earth dist.	-9694 Apr 06 j 10:47	3° \approx 48'58	6.22674 AU
minimum elong	-9700 Oct 09 j 13:18	10° Ω 39'40	0°55'55	morning rise	-9694 Apr 19 j 21:44	6° \approx 50'17	
max. Earth dist.	-9700 Oct 09 j 15:06	10° Ω 40'43	6.15675 AU		-9694 May 28 j 04:00	15° \approx	
morning rise	-9700 Oct 22 j 08:07	13° Ω 37'57		retrograde	-9694 Aug 20 j 22:45	24° \approx 50'27	
	-9700 Oct 28 j 06:40	15° Ω		opposition	-9694 Oct 19 j 03:06	19° \approx 53'01	-1°01'22
retrograde	-9699 Jan 15 j 10:27	0° H		min. Earth dist.	-9694 Oct 19 j 07:59	19° \approx 51'23	4.26544 AU
	-9699 Mar 01 j 01:12	2° H 56'11			-9694 Dec 08 j 05:16	15° R \approx	
	-9699 Apr 14 j 22:52	30° R Ω		direct	-9694 Dec 19 j 02:50	14° \approx 48'43	
opposition	-9699 May 01 j 06:15	27° Ω 56'15	0°42'40		-9694 Dec 30 j 02:03	15° \approx	
min. Earth dist.	-9699 Apr 30 j 21:53	27° Ω 58'59	4.12052 AU		-9693 Apr 11 j 16:42	0° H	

Attention, astronomical year style is used: The year -9693 in astronomical counting style is the year 9694 BCE in historical counting style.

evening set	-9693 Apr 26 j 22:40	3° H 19'33		minimum elong	-9688 Oct 14 j 04:59	15° Ω 26'31	0°49'01
				max. Earth dist.	-9688 Oct 14 j 10:19	15° Ω 29'38	6.13965 AU
conjunction	-9693 May 10 j 08:09	6° H 18'07	-0°14'44	morning rise	-9688 Oct 27 j 01:17	18° Ω 26'14	
minimum elong	-9693 May 10 j 08:10	6° H 18'08	0°15'01		-9688 Dec 20 j 04:00	0° M	
behind sun begin	-9693 May 10 j 05:23	6° H 16'35		retrograde	-9687 Mar 06 j 04:14	7° M 52'25	
behind sun end	-9693 May 10 j 10:58	6° H 19'41		opposition	-9687 May 06 j 06:31	2° M 51'59	0°30'44
max. Earth dist.	-9693 May 09 j 15:44	6° H 08'59	6.29861 AU	min. Earth dist.	-9687 May 05 j 20:25	2° M 55'17	4.10520 AU
morning rise	-9693 May 23 j 14:18	9° H 14'57			-9687 May 29 j 16:39	30° R Δ	
asc. node	-9693 Aug 26 j 05:27	25° H 34'38		direct	-9687 Jul 04 j 10:24	27° Ω 59'00	
retrograde	-9693 Sep 21 j 13:37	26° H 41'13			-9687 Aug 08 j 18:21	0° M	
opposition	-9693 Nov 20 j 06:24	21° H 47'07	0°17'21	desc. node	-9687 Sep 22 j 11:13	7° M 10'01	
min. Earth dist.	-9693 Nov 20 j 21:43	21° H 42'07	4.32392 AU	evening set	-9687 Nov 04 j 13:19	16° M 40'51	
direct	-9692 Jan 21 j 06:07	16° H 43'38					
	-9692 May 05 j 14:47	0° Y		conjunction	-9687 Nov 17 j 16:38	19° M 46'00	-0°08'22
evening set	-9692 May 28 j 16:22	4° Y 57'58		minimum elong	-9687 Nov 17 j 16:37	19° M 46'00	0°08'12
				behind sun begin	-9687 Nov 17 j 09:22	19° M 41'45	
conjunction	-9692 Jun 10 j 16:36	7° Y 51'02	0°38'43	behind sun end	-9687 Nov 17 j 23:53	19° M 50'15	
minimum elong	-9692 Jun 10 j 16:32	7° Y 51'00	0°38'44	max. Earth dist.	-9687 Nov 18 j 14:58	19° M 59'08	6.07891 AU
max. Earth dist.	-9692 Jun 09 j 12:11	7° Y 35'14	6.33922 AU	morning rise	-9687 Nov 30 j 23:41	22° M 53'08	
morning rise	-9692 Jun 23 j 13:19	10° Y 42'22			-9686 Jan 01 j 12:49	0° Δ	
retrograde	-9692 Oct 22 j 03:17	27° Y 57'18		retrograde	-9686 Apr 11 j 13:00	12° Δ 47'59	
opposition	-9692 Dec 21 j 11:11	23° Y 05'19	1°29'42	min. Earth dist.	-9686 Jun 10 j 04:28	7° Δ 51'06	4.06367 AU
min. Earth dist.	-9692 Dec 22 j 09:31	22° Y 58'09	4.34453 AU	opposition	-9686 Jun 11 j 01:02	7° Δ 44'12	-0°56'46
direct	-9691 Feb 21 j 23:28	18° Y 04'07		direct	-9686 Aug 08 j 08:15	2° Δ 49'32	
	-9691 May 31 j 16:04	0° X		evening set	-9686 Dec 10 j 09:24	21° Δ 48'20	
evening set	-9691 Jun 29 j 08:22	6° X 09'25					
				conjunction	-9686 Dec 23 j 20:53	24° Δ 57'45	-1°03'04
conjunction	-9691 Jul 11 j 23:11	8° X 58'27	1°20'26	minimum elong	-9686 Dec 23 j 20:47	24° Δ 57'41	1°03'15
minimum elong	-9691 Jul 11 j 23:07	8° X 58'25	1°20'44	max. Earth dist.	-9686 Dec 25 j 07:49	25° Δ 18'14	6.05984 AU
max. Earth dist.	-9691 Jul 10 j 14:00	8° X 39'53	6.33705 AU	morning rise	-9685 Jan 06 j 11:16	28° Δ 08'42	
morning rise	-9691 Jul 24 j 11:37	11° X 46'19			-9685 Jan 14 j 11:47	0° M	
	-9691 Aug 08 j 04:06	15° X			-9685 Apr 02 j 19:20	15° M	
retrograde	-9691 Nov 23 j 07:13	29° X 13'40		retrograde	-9685 May 17 j 16:19	18° M 04'52	
opposition	-9690 Jan 23 j 06:09	24° X 21'52	2°16'13		-9685 Jul 01 j 06:41	15° R M	
min. Earth dist.	-9690 Jan 24 j 04:26	24° X 14'47	4.32110 AU	min. Earth dist.	-9685 Jul 15 j 11:31	13° M 07'20	4.07030 AU
direct	-9690 Mar 26 j 14:28	19° X 23'39		opposition	-9685 Jul 16 j 09:41	12° M 59'46	-2°04'06
	-9690 Jun 25 j 19:33	0° II		direct	-9685 Sep 12 j 14:17	8° M 02'00	
evening set	-9690 Jul 30 j 13:03	7° II 28'19			-9685 Nov 19 j 23:10	15° M	
				evening set	-9684 Jan 16 j 07:25	27° M 09'44	
conjunction	-9690 Aug 11 j 22:36	10° II 16'37	1°38'56		-9684 Jan 28 j 13:38	0° J	
minimum elong	-9690 Aug 11 j 22:35	10° II 16'36	1°39'27				
max. Earth dist.	-9690 Aug 10 j 20:20	10° II 01'42	6.29317 AU	conjunction	-9684 Jan 29 j 23:13	0° J 19'28	-1°34'46
morning rise	-9690 Aug 24 j 07:06	13° II 04'32		minimum elong	-9684 Jan 29 j 23:10	0° J 19'27	1°35'13
	-9690 Nov 30 j 03:45	0° E		max. Earth dist.	-9684 Jan 31 j 07:50	0° J 38'23	6.09009 AU
retrograde	-9690 Dec 26 j 14:07	1° E 03'50		morning rise	-9684 Feb 12 j 16:42	3° J 29'56	
	-9689 Jan 22 j 03:28	30° R II		retrograde	-9684 Jun 20 j 14:37	22° J 57'30	
opposition	-9689 Feb 25 j 23:36	26° II 10'27	2°23'10	opposition	-9684 Aug 18 j 20:10	17° J 53'33	-2°25'35
min. Earth dist.	-9689 Feb 26 j 15:09	26° II 05'31	4.26016 AU	min. Earth dist.	-9684 Aug 18 j 02:36	17° J 59'35	4.12209 AU
direct	-9689 Apr 28 j 13:28	21° II 15'12		direct	-9684 Oct 16 j 14:30	12° J 52'23	
	-9689 Jul 17 j 23:05	0° E			-9683 Feb 12 j 12:52	0° Z	
evening set	-9689 Aug 31 j 00:05	9° E 26'44		evening set	-9683 Feb 21 j 02:03	1° Z 55'33	
conjunction	-9689 Sep 12 j 10:34	12° E 18'21	1°27'56	conjunction	-9683 Mar 06 j 19:09	5° Z 02'49	-1°32'08
minimum elong	-9689 Sep 12 j 10:38	12° E 18'23	1°28'29	minimum elong	-9683 Mar 06 j 19:13	5° Z 02'51	1°32'42
max. Earth dist.	-9689 Sep 11 j 20:14	12° E 10'05	6.22001 AU	max. Earth dist.	-9683 Mar 07 j 14:05	5° Z 13'37	6.15845 AU
morning rise	-9689 Sep 24 j 22:14	15° E 10'41		morning rise	-9683 Mar 20 j 11:48	8° Z 09'42	
	-9689 Dec 09 j 09:05	0° Ω		retrograde	-9683 Jul 24 j 04:21	26° Z 50'07	
retrograde	-9688 Jan 30 j 06:38	3° Ω 53'30		opposition	-9683 Sep 21 j 05:01	21° Z 49'22	-1°56'20
	-9688 Mar 23 j 11:34	30° R E		min. Earth dist.	-9683 Sep 20 j 23:22	21° Z 51'16	4.19976 AU
opposition	-9688 Mar 31 j 17:34	28° E 56'55	1°45'21	direct	-9683 Nov 20 j 03:20	16° Z 45'47	
min. Earth dist.	-9688 Mar 31 j 20:51	28° E 55'52	4.17937 AU		-9682 Mar 03 j 04:07	0° \approx	
direct	-9688 May 31 j 03:06	24° E 03'37		evening set	-9682 Mar 28 j 16:14	5° \approx 32'55	
	-9688 Aug 02 j 19:23	0° Ω					
evening set	-9688 Oct 01 j 11:07	12° Ω 28'15		conjunction	-9682 Apr 11 j 07:04	8° \approx 35'59	-0°58'23
	-9688 Oct 12 j 07:35	15° Ω		minimum elong	-9682 Apr 11 j 07:09	8° \approx 36'02	0°58'53
				max. Earth dist.	-9682 Apr 11 j 06:44	8° \approx 35'48	6.23986 AU
conjunction	-9688 Oct 14 j 04:55	15° Ω 26'29	0°48'33	morning rise	-9682 Apr 24 j 19:30	11° \approx 37'44	

Attention, astronomical year style is used: The year -9682 in astronomical counting style is the year 9683 BCE in historical counting style.

	-9682 May 10 j 03:06	15°♊		morning rise	-9677 Sep 29 j 13:23	19°♊58'26	
retrograde	-9682 Aug 25 j 10:00	29°♊31'25			-9677 Nov 15 j 06:03	0°♊	
opposition	-9682 Oct 23 j 16:57	24°♊34'30	-0°50'39	retrograde	-9676 Feb 04 j 09:04	8°♊47'55	
min. Earth dist.	-9682 Oct 23 j 22:55	24°♊32'31	4.27694 AU	opposition	-9676 Apr 05 j 18:34	3°♊50'53	1°36'33
direct	-9682 Dec 23 j 20:03	19°♊30'15		min. Earth dist.	-9676 Apr 05 j 20:03	3°♊50'24	4.16790 AU
	-9681 Mar 24 j 21:03	0°♋			-9676 May 10 j 08:13	30°♋58'	
evening set	-9681 May 01 j 16:06	7°♋58'02		direct	-9676 Jun 04 j 23:45	28°♋57'49	
max. Earth dist.	-9681 May 14 j 05:18	10°♋45'09	6.30772 AU		-9676 Jun 30 j 11:06	0°♋	
					-9676 Sep 25 j 18:29	15°♋	
conjunction	-9681 May 15 j 00:20	10°♋55'44	-0°07'01	evening set	-9676 Oct 06 j 05:29	17°♋24'34	
minimum elong	-9681 May 15 j 00:21	10°♋55'45	0°07'16				
behind sun begin	-9681 May 14 j 16:52	10°♋51'36		conjunction	-9676 Oct 19 j 00:25	20°♋23'45	0°41'08
behind sun end	-9681 May 15 j 07:49	10°♋59'53		minimum elong	-9676 Oct 19 j 00:29	20°♋23'48	0°41'33
morning rise	-9681 May 28 j 05:14	13°♋51'42		max. Earth dist.	-9676 Oct 19 j 07:42	20°♋28'01	6.13018 AU
asc. node	-9681 Jul 05 j 03:44	21°♋51'26		morning rise	-9676 Oct 31 j 22:25	23°♋24'38	
	-9681 Aug 29 j 01:11	0°♌			-9676 Nov 30 j 05:22	0°♌	
retrograde	-9681 Sep 26 j 01:11	1°♌14'40		retrograde	-9675 Mar 11 j 07:00	12°♌55'36	
	-9681 Oct 24 j 01:04	30°♌		opposition	-9675 May 11 j 08:53	7°♌54'34	0°18'21
opposition	-9681 Nov 24 j 19:21	26°♌21'02	0°28'29	min. Earth dist.	-9675 May 10 j 20:05	7°♌58'46	4.09863 AU
min. Earth dist.	-9681 Nov 25 j 12:51	26°♌15'20	4.32998 AU	direct	-9675 Jul 09 j 08:51	3°♌01'27	
direct	-9680 Jan 25 j 22:38	21°♌17'50		desc. node	-9675 Aug 01 j 18:06	3°♌55'40	
	-9680 Apr 17 j 04:32	0°♌		evening set	-9675 Nov 09 j 13:10	21°♌45'01	
evening set	-9680 Jun 02 j 05:10	9°♌30'21					
max. Earth dist.	-9680 Jun 13 j 21:43	12°♌05'53	6.34156 AU	conjunction	-9675 Nov 22 j 17:53	24°♌50'52	-0°16'45
				minimum elong	-9675 Nov 22 j 17:51	24°♌50'51	0°16'37
conjunction	-9680 Jun 15 j 04:02	12°♌22'45	0°45'38	max. Earth dist.	-9675 Nov 23 j 20:14	25°♌06'22	6.07594 AU
minimum elong	-9680 Jun 15 j 03:58	12°♌22'42	0°45'42	morning rise	-9675 Dec 06 j 02:00	27°♌58'37	
morning rise	-9680 Jun 27 j 23:30	15°♌13'28			-9675 Dec 14 j 19:34	0°♍	
	-9680 Sep 16 j 06:36	0°♍		retrograde	-9674 Apr 16 j 17:20	17°♍54'14	
retrograde	-9680 Oct 26 j 14:51	2°♍28'56		min. Earth dist.	-9674 Jun 15 j 05:24	12°♍57'03	4.06469 AU
	-9680 Dec 06 j 13:51	30°♍		opposition	-9674 Jun 16 j 02:03	12°♍50'07	-1°08'12
opposition	-9680 Dec 26 j 01:26	27°♍37'05	1°38'14	direct	-9674 Aug 13 j 09:04	7°♍55'03	
min. Earth dist.	-9680 Dec 26 j 23:58	27°♍29'52	4.34333 AU	evening set	-9674 Dec 15 j 13:16	26°♍54'26	
direct	-9679 Feb 26 j 13:38	22°♍36'17			-9674 Dec 28 j 18:42	0°♎	
	-9679 May 12 j 12:25	0°♎		conjunction	-9674 Dec 29 j 01:21	0°♎03'53	-1°09'17
evening set	-9679 Jul 03 j 18:48	10°♎41'23		minimum elong	-9674 Dec 29 j 01:15	0°♎03'50	1°09'31
max. Earth dist.	-9679 Jul 15 j 00:38	13°♎12'12	6.33232 AU	max. Earth dist.	-9674 Dec 30 j 11:55	0°♎24'07	6.06439 AU
				morning rise	-9673 Jan 11 j 16:31	3°♎14'52	
conjunction	-9679 Jul 16 j 08:37	13°♎30'08	1°24'40		-9673 Mar 07 j 09:31	15°♎	
minimum elong	-9679 Jul 16 j 08:32	13°♎30'06	1°25'00	retrograde	-9673 May 22 j 14:17	23°♎07'19	
	-9679 Jul 23 j 00:50	15°♎		min. Earth dist.	-9673 Jul 20 j 08:18	18°♎09'54	4.07810 AU
morning rise	-9679 Jul 28 j 20:02	16°♎17'47		opposition	-9673 Jul 21 j 06:55	18°♎02'11	-2°10'09
	-9679 Oct 07 j 21:35	0°♏			-9673 Aug 14 j 07:36	15°♎	
retrograde	-9679 Nov 27 j 22:52	3°♏49'01		direct	-9673 Sep 17 j 12:03	13°♎03'53	
	-9678 Jan 19 j 15:45	30°♏			-9673 Oct 21 j 21:07	15°♎	
opposition	-9678 Jan 27 j 23:32	28°♏57'13	2°19'50		-9672 Jan 11 j 22:25	0°♐	
min. Earth dist.	-9678 Jan 28 j 21:46	28°♏50'10	4.31329 AU	evening set	-9672 Jan 21 j 11:14	2°♐10'38	
direct	-9678 Mar 31 j 06:27	23°♏59'30					
	-9678 Jun 05 j 09:41	0°♐		conjunction	-9672 Feb 04 j 03:23	5°♐20'01	-1°36'30
evening set	-9678 Aug 03 j 23:51	12°♐05'16		minimum elong	-9672 Feb 04 j 03:20	5°♐20'00	1°37'00
max. Earth dist.	-9678 Aug 15 j 06:49	14°♐38'55	6.28284 AU	max. Earth dist.	-9672 Feb 05 j 10:22	5°♐37'57	6.10024 AU
				morning rise	-9672 Feb 17 j 20:50	8°♐29'58	
conjunction	-9678 Aug 16 j 09:01	14°♐53'50	1°39'13	retrograde	-9672 Jun 25 j 09:08	27°♐50'57	
minimum elong	-9678 Aug 16 j 09:01	14°♐53'50	1°39'46	opposition	-9672 Aug 23 j 13:13	22°♐47'20	-2°24'21
morning rise	-9678 Aug 28 j 17:42	17°♐42'13		min. Earth dist.	-9672 Aug 22 j 22:12	22°♐52'28	4.13337 AU
	-9678 Oct 28 j 05:24	0°♑		direct	-9672 Oct 21 j 11:56	17°♐45'42	
retrograde	-9678 Dec 31 j 10:52	5°♑47'43			-9671 Jan 26 j 04:16	0°♑	
opposition	-9677 Mar 02 j 20:52	0°♑53'59	2°20'29	evening set	-9671 Feb 26 j 02:31	6°♑46'38	
min. Earth dist.	-9677 Mar 03 j 10:37	0°♑49'37	4.24818 AU				
	-9677 Mar 09 j 23:42	30°♑		conjunction	-9671 Mar 11 j 19:36	9°♑53'24	-1°29'04
direct	-9677 May 03 j 06:36	25°♑59'07		minimum elong	-9671 Mar 11 j 19:41	9°♑53'26	1°29'38
	-9677 Jun 24 j 16:15	0°♒		max. Earth dist.	-9671 Mar 12 j 12:03	10°♑02'45	6.16993 AU
evening set	-9677 Sep 04 j 13:31	14°♒12'41		morning rise	-9671 Mar 25 j 11:50	12°♑59'38	
					-9671 Jun 27 j 16:40	0°♒	
conjunction	-9677 Sep 17 j 00:54	17°♒05'10	1°23'54	retrograde	-9671 Jul 28 j 16:29	1°♒33'08	
minimum elong	-9677 Sep 17 j 00:58	17°♒05'13	1°24'27		-9671 Aug 28 j 11:50	30°♒	
max. Earth dist.	-9677 Sep 16 j 14:36	16°♒59'13	6.20775 AU				

Planetary Phenomena of Jupiter from -9900 through -9398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 21

Attention, astronomical year style is used: The year -9671 in astronomical counting style is the year 9672 BCE in historical counting style.

opposition	-9671 Sep 25 j 18:17	26° ♁ 32'54	-1°48'54			-9666 Oct 07 j 09:09	0° ♁	
min. Earth dist.	-9671 Sep 25 j 13:49	26° ♁ 34'25	4.21036 AU	retrograde		-9665 Jan 05 j 09:35	10° ♁ 33'36	
direct	-9671 Nov 24 j 19:36	21° ♁ 29'06		opposition		-9665 Mar 07 j 19:36	5° ♁ 39'30	2°16'48
	-9670 Feb 12 j 09:18	0° ♁		min. Earth dist.		-9665 Mar 08 j 08:04	5° ♁ 35'32	4.23841 AU
evening set	-9670 Apr 02 j 12:01	10° ♁ 14'00		direct		-9665 May 08 j 02:15	0° ♁ 45'00	
				evening set		-9665 Sep 09 j 03:40	18° ♁ 59'29	
conjunction	-9670 Apr 16 j 02:08	13° ♁ 16'26	-0°51'55					
minimum elong	-9670 Apr 16 j 02:13	13° ♁ 16'29	0°52'23	conjunction		-9665 Sep 21 j 15:40	21° ♁ 52'41	1°19'16
max. Earth dist.	-9670 Apr 15 j 21:27	13° ♁ 13'48	6.24890 AU	minimum elong		-9665 Sep 21 j 15:45	21° ♁ 52'43	1°19'49
	-9670 Apr 23 j 18:57	15° ♁		max. Earth dist.		-9665 Sep 21 j 06:57	21° ♁ 47'38	6.19836 AU
morning rise	-9670 Apr 29 j 13:52	16° ♁ 17'31		morning rise		-9665 Oct 04 j 05:22	24° ♁ 46'51	
	-9670 Jul 08 j 21:14	0° ♁				-9665 Oct 27 j 11:09	0° ♁	
retrograde	-9670 Aug 29 j 21:57	4° ♁ 06'32		retrograde		-9664 Feb 09 j 08:57	13° ♁ 41'46	
	-9670 Oct 21 j 21:57	30° ♁		opposition		-9664 Apr 10 j 19:19	8° ♁ 44'08	1°27'02
opposition	-9670 Oct 28 j 04:56	29° ♁ 10'08	-0°39'54	min. Earth dist.		-9664 Apr 10 j 17:46	8° ♁ 44'38	4.15940 AU
min. Earth dist.	-9670 Oct 28 j 13:48	29° ♁ 07'12	4.28357 AU	direct		-9664 Jun 09 j 19:43	3° ♁ 51'11	
direct	-9670 Dec 28 j 12:48	24° ♁ 05'54				-9664 Sep 08 j 06:32	15° ♁	
	-9669 Mar 04 j 03:55	0° ♁		evening set		-9664 Oct 10 j 23:44	22° ♁ 19'11	
evening set	-9669 May 06 j 07:16	12° ♁ 32'12						
asc. node	-9669 May 14 j 14:54	14° ♁ 22'48		conjunction		-9664 Oct 23 j 20:05	25° ♁ 19'16	0°33'27
				minimum elong		-9664 Oct 23 j 20:09	25° ♁ 19'18	0°33'49
conjunction	-9669 May 19 j 14:32	15° ♁ 29'19	0°00'42	max. Earth dist.		-9664 Oct 24 j 07:24	25° ♁ 25'54	6.12340 AU
minimum elong	-9669 May 19 j 14:32	15° ♁ 29'19	0°00'29	morning rise		-9664 Nov 05 j 19:21	28° ♁ 21'04	
behind sun begin	-9669 May 19 j 06:23	15° ♁ 24'49				-9664 Nov 12 j 22:37	0° ♁	
behind sun end	-9669 May 19 j 22:41	15° ♁ 33'50		retrograde		-9663 Mar 16 j 10:48	17° ♁ 55'45	
max. Earth dist.	-9669 May 18 j 17:57	15° ♁ 17'53	6.31151 AU	opposition		-9663 May 16 j 10:05	12° ♁ 54'14	0°05'53
morning rise	-9669 Jun 01 j 18:11	18° ♁ 24'39		min. Earth dist.		-9663 May 15 j 20:43	12° ♁ 58'39	4.09403 AU
	-9669 Jul 29 j 12:12	0° ♁		desc. node		-9663 Jun 11 j 18:00	9° ♁ 43'30	
retrograde	-9669 Sep 30 j 11:06	5° ♁ 46'20		direct		-9663 Jul 14 j 08:12	8° ♁ 01'00	
opposition	-9669 Nov 29 j 08:00	0° ♁ 53'02	0°39'19	evening set		-9663 Nov 14 j 12:30	26° ♁ 46'02	
min. Earth dist.	-9669 Nov 30 j 01:44	0° ♁ 47'16	4.33091 AU					
	-9669 Dec 06 j 04:01	30° ♁		conjunction		-9663 Nov 27 j 18:15	29° ♁ 52'28	-0°24'57
direct	-9668 Jan 30 j 12:01	25° ♁ 50'06		minimum elong		-9663 Nov 27 j 18:13	29° ♁ 52'26	0°24'53
	-9668 Mar 25 j 06:18	0° ♁				-9663 Nov 28 j 07:05	0° ♁	
evening set	-9668 Jun 06 j 17:40	14° ♁ 02'20		max. Earth dist.		-9663 Nov 28 j 21:13	0° ♁ 08'18	6.07381 AU
max. Earth dist.	-9668 Jun 18 j 07:59	16° ♁ 36'52	6.33958 AU	morning rise		-9663 Dec 11 j 03:43	3° ♁ 00'50	
				retrograde		-9662 Apr 21 j 18:12	22° ♁ 57'03	
conjunction	-9668 Jun 19 j 15:07	16° ♁ 54'12	0°52'15	min. Earth dist.		-9662 Jun 20 j 03:29	18° ♁ 00'07	4.06552 AU
minimum elong	-9668 Jun 19 j 15:02	16° ♁ 54'10	0°52'21	opposition		-9662 Jun 21 j 01:31	17° ♁ 52'41	-1°19'04
morning rise	-9668 Jul 02 j 09:23	19° ♁ 44'29		direct		-9662 Aug 18 j 06:33	12° ♁ 57'15	
	-9668 Aug 21 j 10:48	0° ♁				-9662 Dec 12 j 04:29	0° ♁	
retrograde	-9668 Oct 31 j 05:12	7° ♁ 01'54		evening set		-9662 Dec 20 j 16:21	1° ♁ 57'46	
opposition	-9668 Dec 30 j 16:49	2° ♁ 10'13	1°46'11					
min. Earth dist.	-9668 Dec 31 j 16:15	2° ♁ 02'44	4.33879 AU	conjunction		-9661 Jan 03 j 05:11	5° ♁ 07'21	-1°14'58
	-9667 Jan 17 j 06:31	30° ♁		minimum elong		-9661 Jan 03 j 05:06	5° ♁ 07'18	1°15'14
direct	-9667 Mar 03 j 05:46	27° ♁ 09'51		max. Earth dist.		-9661 Jan 04 j 15:54	5° ♁ 27'39	6.06793 AU
	-9667 Apr 16 j 19:38	0° ♁		morning rise		-9661 Jan 16 j 20:47	8° ♁ 18'19	
	-9667 Jul 07 j 02:18	15° ♁				-9661 Feb 15 j 15:14	15° ♁	
evening set	-9667 Jul 08 j 06:05	15° ♁ 15'28		retrograde		-9661 May 27 j 13:30	28° ♁ 07'45	
max. Earth dist.	-9667 Jul 19 j 11:18	17° ♁ 46'17	6.32543 AU	min. Earth dist.		-9661 Jul 25 j 06:27	23° ♁ 09'52	4.08411 AU
				opposition		-9661 Jul 26 j 03:23	23° ♁ 02'43	-2°15'15
conjunction	-9667 Jul 20 j 18:58	18° ♁ 04'04	1°28'23	direct		-9661 Sep 22 j 10:44	18° ♁ 03'56	
minimum elong	-9667 Jul 20 j 18:54	18° ♁ 04'02	1°28'46			-9661 Dec 25 j 07:08	0° ♁	
morning rise	-9667 Aug 02 j 05:44	20° ♁ 51'41		evening set		-9660 Jan 26 j 14:58	7° ♁ 10'39	
	-9667 Sep 14 j 17:33	0° ♁						
retrograde	-9667 Dec 02 j 15:44	8° ♁ 27'22		conjunction		-9660 Feb 09 j 07:29	10° ♁ 19'50	-1°37'33
opposition	-9666 Feb 01 j 18:31	3° ♁ 35'21	2°22'35	minimum elong		-9660 Feb 09 j 07:28	10° ♁ 19'50	1°38'05
min. Earth dist.	-9666 Feb 02 j 14:47	3° ♁ 28'55	4.30481 AU	max. Earth dist.		-9660 Feb 10 j 13:25	10° ♁ 37'06	6.10812 AU
	-9666 Mar 05 j 13:08	30° ♁		morning rise		-9660 Feb 23 j 00:55	13° ♁ 29'24	
direct	-9666 Apr 04 j 22:08	28° ♁ 38'05				-9660 May 19 j 07:04	0° ♁	
	-9666 May 05 j 05:13	0° ♁		retrograde		-9660 Jun 30 j 02:29	2° ♁ 44'34	
evening set	-9666 Aug 08 j 11:36	16° ♁ 44'46				-9660 Aug 10 j 16:19	30° ♁	
				opposition		-9660 Aug 28 j 05:59	27° ♁ 41'23	-2°22'08
conjunction	-9666 Aug 20 j 20:43	19° ♁ 33'38	1°38'51	min. Earth dist.		-9660 Aug 27 j 15:50	27° ♁ 46'13	4.14249 AU
minimum elong	-9666 Aug 20 j 20:44	19° ♁ 33'39	1°39'24	direct		-9660 Oct 26 j 06:50	22° ♁ 39'24	
max. Earth dist.	-9666 Aug 19 j 21:55	19° ♁ 20'38	6.27347 AU			-9659 Jan 06 j 05:09	0° ♁	
morning rise	-9666 Sep 02 j 05:24	22° ♁ 22'27		evening set		-9659 Mar 03 j 03:33	11° ♁ 39'03	

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Attention, astronomical year style is used: The year -9659 in astronomical counting style is the year 9660 BCE in historical counting style.

conjunction	-9659 Mar 16 j 20:22	14° Z 45'22	-1°25'22	morning rise	-9654 Sep 06 j 16:38	27° II 01'22	
minimum elong	-9659 Mar 16 j 20:27	14° Z 45'24	1°25'57		-9654 Sep 19 j 23:07	0° G	
max. Earth dist.	-9659 Mar 17 j 08:33	14° Z 52'17	6.17952 AU	retrograde	-9653 Jan 10 j 04:40	15° G 17'07	
morning rise	-9659 Mar 30 j 12:21	17° Z 51'03		opposition	-9653 Mar 12 j 16:37	10° G 22'30	2°12'14
	-9659 May 28 j 16:10	0° \approx		min. Earth dist.	-9653 Mar 13 j 02:18	10° G 19'25	4.23096 AU
retrograde	-9659 Aug 02 j 07:23	6° \approx 18'31		direct	-9653 May 12 j 18:56	5° G 28'16	
opposition	-9659 Sep 30 j 08:39	1° \approx 18'50	-1°40'43	evening set	-9653 Sep 13 j 16:26	23° G 43'02	
min. Earth dist.	-9659 Sep 30 j 06:57	1° \approx 19'24	4.21936 AU				
	-9659 Oct 10 j 04:49	30° R Z		conjunction	-9653 Sep 26 j 05:22	26° G 36'56	1°14'10
direct	-9659 Nov 29 j 15:20	26° Z 14'50		minimum elong	-9653 Sep 26 j 05:27	26° G 36'59	1°14'43
	-9658 Jan 19 j 04:35	0° \approx		max. Earth dist.	-9653 Sep 26 j 00:02	26° G 33'50	6.19092 AU
evening set	-9658 Apr 07 j 08:20	14° \approx 57'53		morning rise	-9653 Oct 08 j 20:01	29° G 31'53	
	-9658 Apr 07 j 12:09	15° \approx			-9653 Oct 10 j 20:59	0° Ω	
					-9653 Dec 27 j 03:15	15° Ω	
conjunction	-9658 Apr 20 j 21:57	17° \approx 59'47	-0°45'03	retrograde	-9652 Feb 14 j 09:03	18° Ω 31'27	
minimum elong	-9658 Apr 20 j 22:01	17° \approx 59'49	0°45'29		-9652 Apr 04 j 09:33	15° R Ω	
max. Earth dist.	-9658 Apr 20 j 15:56	17° \approx 56'25	6.25681 AU	opposition	-9652 Apr 15 j 18:03	13° Ω 33'15	1°17'02
morning rise	-9658 May 04 j 08:38	21° \approx 00'10		min. Earth dist.	-9652 Apr 15 j 15:48	13° Ω 33'59	4.15219 AU
	-9658 Jun 16 j 03:29	0° H		direct	-9652 Jun 14 j 16:00	8° Ω 40'19	
retrograde	-9658 Sep 03 j 09:15	8° H 44'59			-9652 Aug 19 j 03:39	15° Ω	
opposition	-9658 Nov 01 j 18:04	3° H 49'07	-0°28'45	evening set	-9652 Oct 15 j 16:25	27° Ω 09'20	
min. Earth dist.	-9658 Nov 02 j 03:39	3° H 45'57	4.28977 AU		-9652 Oct 27 j 20:27	0° H	
	-9658 Dec 04 j 15:55	30° R \approx					
direct	-9657 Jan 02 j 04:14	28° \approx 45'00		conjunction	-9652 Oct 28 j 13:58	0° H 10'15	0°25'38
	-9657 Jan 31 j 01:15	0° H		minimum elong	-9652 Oct 28 j 14:00	0° H 10'17	0°25'59
asc. node	-9657 Mar 23 j 12:04	7° H 10'25		max. Earth dist.	-9652 Oct 29 j 02:31	0° H 17'36	6.11714 AU
evening set	-9657 May 10 j 23:37	17° H 09'52		morning rise	-9652 Nov 10 j 14:48	3° H 12'59	
max. Earth dist.	-9657 May 23 j 06:03	19° H 53'15	6.31560 AU	retrograde	-9651 Mar 21 j 10:18	22° H 51'01	
				desc. node	-9651 Apr 22 j 14:23	21° H 15'20	
conjunction	-9657 May 24 j 05:30	20° H 06'18	0°08'28	opposition	-9651 May 21 j 08:47	17° H 49'01	-0°06'25
minimum elong	-9657 May 24 j 05:29	20° H 06'17	0°08'18	min. Earth dist.	-9651 May 20 j 17:22	17° H 54'07	4.08926 AU
behind sun begin	-9657 May 23 j 22:19	20° H 02'20		direct	-9651 Jul 19 j 03:05	12° H 55'33	
behind sun end	-9657 May 24 j 12:38	20° H 10'15			-9651 Nov 12 j 02:02	0° $\underline{\Omega}$	
morning rise	-9657 Jun 06 j 08:02	23° H 00'59		evening set	-9651 Nov 19 j 10:25	1° $\underline{\Omega}$ 42'27	
	-9657 Jul 09 j 03:34	0° Y					
retrograde	-9657 Oct 05 j 00:24	10° Y 21'19		conjunction	-9651 Dec 02 j 17:23	4° $\underline{\Omega}$ 49'30	-0°32'52
opposition	-9657 Dec 03 j 21:59	5° Y 28'22	0°50'03	minimum elong	-9651 Dec 02 j 17:19	4° $\underline{\Omega}$ 49'28	0°32'51
min. Earth dist.	-9657 Dec 04 j 17:30	5° Y 22'02	4.33280 AU	max. Earth dist.	-9651 Dec 03 j 21:40	5° $\underline{\Omega}$ 06'07	6.07090 AU
direct	-9656 Feb 04 j 04:48	0° Y 25'44		morning rise	-9651 Dec 16 j 03:50	7° $\underline{\Omega}$ 58'25	
evening set	-9656 Jun 11 j 06:37	18° Y 37'07		retrograde	-9650 Apr 26 j 18:43	27° $\underline{\Omega}$ 55'28	
max. Earth dist.	-9656 Jun 22 j 20:24	21° Y 11'28	6.33914 AU	opposition	-9650 Jun 25 j 22:57	22° $\underline{\Omega}$ 50'51	-1°29'11
				min. Earth dist.	-9650 Jun 25 j 01:41	22° $\underline{\Omega}$ 58'03	4.06477 AU
conjunction	-9656 Jun 24 j 02:53	21° Y 28'28	0°58'37	direct	-9650 Aug 23 j 04:03	17° $\underline{\Omega}$ 54'58	
minimum elong	-9656 Jun 24 j 02:49	21° Y 28'25	0°58'45		-9650 Nov 24 j 20:40	0° M	
morning rise	-9656 Jul 06 j 19:49	24° Y 18'13		evening set	-9650 Dec 25 j 18:33	6° M 57'27	
	-9656 Aug 02 j 06:18	0° Z					
retrograde	-9656 Nov 04 j 18:12	11° Z 37'06		conjunction	-9649 Jan 08 j 08:11	10° M 07'16	-1°20'01
opposition	-9655 Jan 04 j 08:51	6° Z 45'28	1°53'34	minimum elong	-9649 Jan 08 j 08:05	10° M 07'13	1°20'20
min. Earth dist.	-9655 Jan 05 j 06:58	6° Z 38'24	4.33645 AU	max. Earth dist.	-9649 Jan 09 j 19:02	10° M 27'37	6.06936 AU
direct	-9655 Mar 07 j 20:12	1° Z 45'33		morning rise	-9649 Jan 22 j 00:19	13° M 18'21	
	-9655 Jun 20 j 11:57	15° Z			-9649 Jan 29 j 08:46	15° M	
evening set	-9655 Jul 12 j 17:15	19° Z 50'41			-9649 Apr 17 j 16:37	0° Z	
max. Earth dist.	-9655 Jul 23 j 22:43	22° Z 21'53	6.32130 AU	retrograde	-9649 Jun 01 j 10:39	3° Z 05'16	
					-9649 Jul 15 j 22:59	30° R M	
conjunction	-9655 Jul 25 j 05:08	22° Z 39'00	1°31'35	opposition	-9649 Jul 30 j 22:37	28° M 00'23	-2°19'20
minimum elong	-9655 Jul 25 j 05:04	22° Z 38'58	1°32'00	min. Earth dist.	-9649 Jul 30 j 01:59	28° M 07'27	4.08786 AU
morning rise	-9655 Aug 06 j 15:12	25° Z 26'28		direct	-9649 Sep 27 j 06:20	23° M 01'11	
	-9655 Aug 27 j 10:06	0° II			-9649 Dec 05 j 02:46	0° Z	
retrograde	-9655 Dec 07 j 09:54	13° II 05'41		evening set	-9648 Jan 31 j 18:23	12° Z 08'45	
opposition	-9654 Feb 06 j 13:25	8° II 13'27	2°24'25				
min. Earth dist.	-9654 Feb 07 j 09:27	8° II 07'07	4.29918 AU	conjunction	-9648 Feb 14 j 11:04	15° Z 17'48	-1°37'53
direct	-9654 Apr 09 j 15:54	3° II 16'36		minimum elong	-9648 Feb 14 j 11:04	15° Z 17'48	1°38'24
evening set	-9654 Aug 12 j 22:33	21° II 23'03		max. Earth dist.	-9648 Feb 15 j 13:41	15° Z 33'08	6.11376 AU
max. Earth dist.	-9654 Aug 24 j 10:16	23° II 59'58	6.26671 AU	morning rise	-9648 Feb 28 j 04:43	18° Z 27'08	
					-9648 Apr 22 j 19:57	0° Z	
conjunction	-9654 Aug 25 j 07:38	24° II 12'09	1°37'53	retrograde	-9648 Jul 04 j 20:39	7° Z 37'23	
minimum elong	-9654 Aug 25 j 07:40	24° II 12'10	1°38'26	opposition	-9648 Sep 01 j 22:56	2° Z 34'36	-2°18'55

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Attention, astronomical year style is used: The year -9648 in astronomical counting style is the year 9649 BCE in historical counting style.

min. Earth dist.	-9648 Sep 01 j 10:41	2° Z 38'47	4.14944 AU	minimum elong	-9642 Aug 29 j 17:53	28° II 49'10	1°36'54
	-9648 Sep 21 j 19:43	30° R 27		max. Earth dist.	-9642 Aug 28 j 22:02	28° II 37'48	6.25748 AU
direct	-9648 Oct 31 j 03:57	27° Z 32'14			-9642 Sep 03 j 21:43	0° Z	
	-9648 Dec 09 j 21:11	0° Z		morning rise	-9642 Sep 11 j 03:15	1° Z 38'55	
evening set	-9647 Mar 08 j 04:35	16° Z 31'11		retrograde	-9641 Jan 15 j 02:27	20° Z 00'33	
				opposition	-9641 Mar 17 j 13:49	15° Z 05'30	2°06'53
conjunction	-9647 Mar 21 j 21:28	19° Z 37'11	-1°21'03	min. Earth dist.	-9641 Mar 17 j 23:00	15° Z 02'35	4.21991 AU
minimum elong	-9647 Mar 21 j 21:33	19° Z 37'14	1°21'36	direct	-9641 May 17 j 13:25	10° Z 11'31	
max. Earth dist.	-9647 Mar 22 j 08:41	19° Z 43'32	6.18758 AU	evening set	-9641 Sep 18 j 05:40	28° Z 28'05	
morning rise	-9647 Apr 04 j 12:51	22° Z 42'20			-9641 Sep 24 j 20:41	0° Z	
	-9647 May 08 j 04:28	0° Z					
retrograde	-9647 Aug 06 j 22:16	11° Z 04'11		conjunction	-9641 Sep 30 j 19:37	1° Z 22'56	1°08'35
opposition	-9647 Oct 04 j 23:29	6° Z 05'04	-1°31'49	minimum elong	-9641 Sep 30 j 19:42	1° Z 22'59	1°09'06
min. Earth dist.	-9647 Oct 04 j 22:46	6° Z 05'19	4.22771 AU	max. Earth dist.	-9641 Sep 30 j 16:08	1° Z 20'55	6.17913 AU
direct	-9647 Dec 04 j 09:20	1° Z 01'00		morning rise	-9641 Oct 13 j 11:34	4° Z 18'58	
	-9646 Mar 21 j 14:42	15° Z			-9641 Dec 02 j 08:17	15° Z	
evening set	-9646 Apr 12 j 05:17	19° Z 42'14		retrograde	-9640 Feb 19 j 08:53	23° Z 24'53	
				opposition	-9640 Apr 20 j 17:47	18° Z 26'10	1°06'26
conjunction	-9646 Apr 25 j 17:58	22° Z 43'28	-0°37'51	min. Earth dist.	-9640 Apr 20 j 12:59	18° Z 27'43	4.14056 AU
minimum elong	-9646 Apr 25 j 18:02	22° Z 43'30	0°38'15		-9640 May 20 j 05:16	15° R 00	
max. Earth dist.	-9646 Apr 25 j 08:24	22° Z 38'07	6.26495 AU	direct	-9640 Jun 19 j 10:40	13° Z 33'17	
morning rise	-9646 May 09 j 03:53	25° Z 43'11			-9640 Jul 19 j 10:35	15° Z	
	-9646 May 28 j 18:23	0° Z			-9640 Oct 11 j 10:58	0° Z	
retrograde	-9646 Sep 07 j 22:13	13° Z 23'43		evening set	-9640 Oct 20 j 11:34	2° Z 05'17	
opposition	-9646 Nov 06 j 08:00	8° Z 28'18	-0°17'22				
min. Earth dist.	-9646 Nov 06 j 19:21	8° Z 24'33	4.29700 AU	conjunction	-9640 Nov 02 j 10:30	5° Z 07'16	0°17'32
direct	-9645 Jan 06 j 22:06	3° Z 24'16		minimum elong	-9640 Nov 02 j 10:32	5° Z 07'17	0°17'50
asc. node	-9645 Jan 30 j 13:01	4° Z 14'55		max. Earth dist.	-9640 Nov 03 j 01:25	5° Z 16'01	6.10672 AU
evening set	-9645 May 15 j 15:31	21° Z 46'59		morning rise	-9640 Nov 15 j 12:47	8° Z 11'06	
				desc. node	-9639 Mar 02 j 03:46	26° Z 58'19	
conjunction	-9645 May 28 j 20:16	24° Z 42'40	0°16'10	retrograde	-9639 Mar 26 j 14:56	27° Z 54'07	
minimum elong	-9645 May 28 j 20:14	24° Z 42'39	0°16'03	opposition	-9639 May 26 j 10:03	22° Z 51'38	-0°18'58
max. Earth dist.	-9645 May 27 j 21:04	24° Z 29'46	6.32138 AU	min. Earth dist.	-9639 May 25 j 18:03	22° Z 56'57	4.08089 AU
morning rise	-9645 Jun 10 j 21:18	27° Z 36'32		direct	-9639 Jul 24 j 02:04	17° Z 57'54	
	-9645 Jun 21 j 19:11	0° Z			-9639 Oct 25 j 10:59	0° Z	
retrograde	-9645 Oct 09 j 11:26	14° Z 55'05		evening set	-9639 Nov 24 j 12:13	6° Z 48'14	
opposition	-9645 Dec 08 j 11:59	10° Z 02'24	1°00'29				
min. Earth dist.	-9645 Dec 09 j 07:17	9° Z 56'10	4.33666 AU	conjunction	-9639 Dec 07 j 20:24	9° Z 56'03	-0°40'45
direct	-9644 Feb 08 j 19:31	5° Z 00'08		minimum elong	-9639 Dec 07 j 20:20	9° Z 56'00	0°40'47
evening set	-9644 Jun 15 j 18:44	23° Z 09'45		max. Earth dist.	-9639 Dec 09 j 02:44	10° Z 13'52	6.06533 AU
max. Earth dist.	-9644 Jun 27 j 05:26	25° Z 42'33	6.34038 AU	morning rise	-9639 Dec 21 j 08:00	13° Z 05'41	
					-9638 Mar 17 j 23:10	0° Z	
conjunction	-9644 Jun 28 j 13:27	26° Z 00'25	1°04'37	retrograde	-9638 May 01 j 22:23	3° Z 04'09	
minimum elong	-9644 Jun 28 j 13:22	26° Z 00'22	1°04'48		-9638 Jun 15 j 17:30	30° R 00	
morning rise	-9644 Jul 11 j 05:17	28° Z 49'36		opposition	-9638 Jun 30 j 23:55	27° Z 59'23	-1°38'58
	-9644 Jul 16 j 12:42	0° Z		min. Earth dist.	-9638 Jun 30 j 01:50	28° Z 06'52	4.06294 AU
	-9644 Oct 12 j 23:00	15° Z		direct	-9638 Aug 28 j 02:53	23° Z 03'08	
retrograde	-9644 Nov 09 j 08:33	16° Z 09'39			-9638 Nov 04 j 04:19	0° Z	
	-9644 Dec 06 j 19:55	15° R 00		evening set	-9638 Dec 31 j 01:14	12° Z 08'00	
opposition	-9643 Jan 09 j 00:21	11° Z 18'01	2°00'13		-9637 Jan 12 j 08:36	15° Z	
min. Earth dist.	-9643 Jan 09 j 23:20	11° Z 10'42	4.33493 AU				
direct	-9643 Mar 12 j 12:14	6° Z 18'29		conjunction	-9637 Jan 13 j 15:24	15° Z 17'58	-1°24'39
	-9643 Jun 02 j 07:12	15° Z		minimum elong	-9637 Jan 13 j 15:19	15° Z 17'55	1°25'01
evening set	-9643 Jul 17 j 03:03	24° Z 22'55		max. Earth dist.	-9637 Jan 15 j 01:07	15° Z 37'38	6.07125 AU
max. Earth dist.	-9643 Jul 28 j 09:04	26° Z 54'36	6.31684 AU	morning rise	-9637 Jan 27 j 08:05	18° Z 29'07	
					-9637 Mar 21 j 23:37	0° Z	
conjunction	-9643 Jul 29 j 14:17	27° Z 11'04	1°34'14	retrograde	-9637 Jun 06 j 10:58	8° Z 12'57	
minimum elong	-9643 Jul 29 j 14:14	27° Z 11'03	1°34'41	opposition	-9637 Aug 04 j 21:21	3° Z 08'14	-2°22'30
morning rise	-9643 Aug 10 j 23:41	29° Z 58'27		min. Earth dist.	-9637 Aug 04 j 01:10	3° Z 15'09	4.09367 AU
	-9643 Aug 11 j 02:27	0° Z			-9637 Aug 29 j 19:00	30° R 00	
retrograde	-9643 Dec 12 j 01:09	17° Z 41'32		direct	-9637 Oct 02 j 07:38	28° Z 08'34	
opposition	-9642 Feb 11 j 07:14	12° Z 49'04	2°25'25		-9637 Nov 05 j 02:16	0° Z	
min. Earth dist.	-9642 Feb 12 j 01:28	12° Z 43'18	4.29211 AU	evening set	-9636 Feb 06 j 01:20	17° Z 15'57	
direct	-9642 Apr 14 j 06:07	7° Z 52'39					
evening set	-9642 Aug 17 j 08:42	25° Z 59'38		conjunction	-9636 Feb 19 j 18:23	20° Z 24'42	-1°37'31
				minimum elong	-9636 Feb 19 j 18:24	20° Z 24'42	1°38'03
conjunction	-9642 Aug 29 j 17:52	28° Z 49'09	1°36'19	max. Earth dist.	-9636 Feb 20 j 21:28	20° Z 40'16	6.12340 AU

Attention, astronomical year style is used: The year -9636 in astronomical counting style is the year 9637 BCE in historical counting style.

morning rise	-9636 Mar 04 j 11:44	23° ♁ 33'30	direct	-9630 Apr 18 j 18:05	12° ♁ 17'24	
	-9636 Apr 02 j 13:59	0° ♁		-9630 Aug 19 j 17:04	0° ♁	
retrograde	-9636 Jul 09 j 17:07	12° ♁ 36'42	evening set	-9630 Aug 21 j 15:04	0° ♁ 26'08	
opposition	-9636 Sep 06 j 18:03	7° ♁ 34'24 -2°14'39	max. Earth dist.	-9630 Sep 02 j 06:20	3° ♁ 05'50	6.24421 AU
min. Earth dist.	-9636 Sep 06 j 06:44	7° ♁ 38'16 4.16218 AU				
direct	-9636 Nov 05 j 02:56	2° ♁ 31'46	conjunction	-9630 Sep 03 j 00:41	3° ♁ 16'21	1°34'15
evening set	-9635 Mar 13 j 07:11	21° ♁ 27'28	minimum elong	-9630 Sep 03 j 00:43	3° ♁ 16'23	1°34'49
			morning rise	-9630 Sep 15 j 10:35	6° ♁ 06'55	
conjunction	-9635 Mar 26 j 23:32	24° ♁ 32'40 -1°16'10	retrograde	-9629 Jan 19 j 19:48	24° ♁ 35'51	
minimum elong	-9635 Mar 26 j 23:37	24° ♁ 32'43 1°16'42	opposition	-9629 Mar 22 j 07:32	19° ♁ 40'25	2°00'55
max. Earth dist.	-9635 Mar 27 j 07:43	24° ♁ 37'18 6.20254 AU	min. Earth dist.	-9629 Mar 22 j 15:01	19° ♁ 38'02	4.20419 AU
morning rise	-9635 Apr 09 j 14:26	27° ♁ 36'56	direct	-9629 May 22 j 01:57	14° ♁ 46'42	
	-9635 Apr 20 j 07:31	0° ♁		-9629 Sep 09 j 01:31	0° ♁	
	-9635 Jul 19 j 19:32	15° ♁	evening set	-9629 Sep 22 j 17:09	3° ♁ 07'06	
retrograde	-9635 Aug 11 j 11:34	15° ♁ 50'34				
	-9635 Sep 03 j 00:46	15° ♁	conjunction	-9629 Oct 05 j 08:11	6° ♁ 03'09	1°02'41
opposition	-9635 Oct 09 j 14:40	10° ♁ 51'55 -1°22'20	minimum elong	-9629 Oct 05 j 08:16	6° ♁ 03'12	1°03'10
min. Earth dist.	-9635 Oct 09 j 15:15	10° ♁ 51'43 4.24354 AU	max. Earth dist.	-9629 Oct 05 j 06:19	6° ♁ 02'04	6.16245 AU
direct	-9635 Dec 09 j 05:26	5° ♁ 47'42	morning rise	-9629 Oct 18 j 01:34	9° ♁ 00'33	
	-9634 Mar 03 j 00:17	15° ♁		-9629 Nov 13 j 17:01	15° ♁	
evening set	-9634 Apr 17 j 00:35	24° ♁ 24'05	retrograde	-9628 Feb 24 j 10:22	28° ♁ 14'44	
			opposition	-9628 Apr 25 j 16:10	23° ♁ 15'31	0°55'32
conjunction	-9634 Apr 30 j 12:20	27° ♁ 24'17 -0°30'31	min. Earth dist.	-9628 Apr 25 j 10:09	23° ♁ 17'28	4.12410 AU
minimum elong	-9634 Apr 30 j 12:23	27° ♁ 24'19 0°30'53	direct	-9628 Jun 24 j 04:56	18° ♁ 22'37	
max. Earth dist.	-9634 Apr 30 j 01:55	27° ♁ 18'28 6.28063 AU		-9628 Sep 24 j 06:36	0° ♁	
	-9634 May 12 j 03:44	0° ♁	evening set	-9628 Oct 25 j 06:32	6° ♁ 59'34	
morning rise	-9634 May 13 j 20:55	0° ♁ 22'50				
retrograde	-9634 Sep 12 j 07:34	17° ♁ 56'44	conjunction	-9628 Nov 07 j 07:04	10° ♁ 02'53	0°09'22
opposition	-9634 Nov 10 j 19:50	13° ♁ 01'47 -0°06'12	minimum elong	-9628 Nov 07 j 07:05	10° ♁ 02'53	0°09'38
min. Earth dist.	-9634 Nov 11 j 08:21	12° ♁ 57'40 4.31113 AU	behind sun begin	-9628 Nov 07 j 00:20	9° ♁ 58'57	
asc. node	-9634 Dec 11 j 06:40	9° ♁ 26'44	behind sun end	-9628 Nov 07 j 13:49	10° ♁ 06'50	
direct	-9633 Jan 11 j 13:35	7° ♁ 57'54	max. Earth dist.	-9628 Nov 08 j 01:20	10° ♁ 13'36	6.09224 AU
evening set	-9633 May 20 j 04:01	26° ♁ 16'00	morning rise	-9628 Nov 20 j 10:55	13° ♁ 08'04	
max. Earth dist.	-9633 Jun 01 j 04:48	28° ♁ 55'57 6.33269 AU	desc. node	-9627 Jan 09 j 18:26	24° ♁ 04'04	
				-9627 Feb 15 j 08:51	0° ♁	
conjunction	-9633 Jun 02 j 07:10	29° ♁ 10'35 0°23'31	retrograde	-9627 Mar 31 j 19:21	2° ♁ 57'16	
minimum elong	-9633 Jun 02 j 07:08	29° ♁ 10'34 0°23'25		-9627 May 15 j 05:59	30° ♁	
	-9633 Jun 06 j 00:08	0° ♁	opposition	-9627 May 31 j 11:21	27° ♁ 54'24	-0°31'22
morning rise	-9633 Jun 15 j 06:55	2° ♁ 03'25	min. Earth dist.	-9627 May 30 j 17:34	28° ♁ 00'19	4.06997 AU
retrograde	-9633 Oct 13 j 19:18	19° ♁ 18'43	direct	-9627 Jul 28 j 22:59	23° ♁ 00'28	
opposition	-9633 Dec 12 j 22:10	14° ♁ 26'15 1°10'07		-9627 Oct 05 j 04:35	0° ♁	
min. Earth dist.	-9633 Dec 13 j 19:08	14° ♁ 19'29 4.34445 AU	evening set	-9627 Nov 29 j 15:20	11° ♁ 55'14	
direct	-9632 Feb 13 j 08:22	9° ♁ 24'12				
evening set	-9632 Jun 20 j 01:58	27° ♁ 30'55	conjunction	-9627 Dec 13 j 00:34	15° ♁ 03'48	-0°48'20
max. Earth dist.	-9632 Jul 01 j 11:43	0° ♁ 03'07 6.34389 AU	minimum elong	-9627 Dec 13 j 00:29	15° ♁ 03'45	0°48'24
	-9632 Jul 01 j 06:08	0° ♁	max. Earth dist.	-9627 Dec 14 j 07:53	15° ♁ 22'13	6.05877 AU
			morning rise	-9627 Dec 26 j 13:20	18° ♁ 14'11	
conjunction	-9632 Jul 02 j 19:31	0° ♁ 20'52 1°09'58		-9626 Feb 19 j 02:10	0° ♁	
minimum elong	-9632 Jul 02 j 19:26	0° ♁ 20'49 1°10'12	retrograde	-9626 May 07 j 01:25	8° ♁ 13'57	
morning rise	-9632 Jul 15 j 10:00	3° ♁ 09'23	min. Earth dist.	-9626 Jul 05 j 01:57	3° ♁ 16'49	4.06152 AU
	-9632 Sep 12 j 16:32	15° ♁	opposition	-9626 Jul 06 j 01:04	3° ♁ 08'58	-1°47'59
retrograde	-9632 Nov 13 j 16:06	20° ♁ 30'08		-9626 Jul 31 j 06:58	30° ♁	
opposition	-9631 Jan 13 j 11:06	15° ♁ 38'32 2°05'52	direct	-9626 Sep 02 j 03:59	28° ♁ 12'14	
min. Earth dist.	-9631 Jan 14 j 10:06	15° ♁ 31'13 4.33401 AU		-9626 Oct 05 j 02:31	0° ♁	
	-9631 Jan 18 j 12:36	15° ♁		-9626 Dec 26 j 06:49	15° ♁	
direct	-9631 Mar 16 j 21:58	10° ♁ 39'24	evening set	-9625 Jan 05 j 08:41	17° ♁ 19'07	
	-9631 May 11 j 17:39	15° ♁				
evening set	-9631 Jul 21 j 08:09	28° ♁ 43'07	conjunction	-9625 Jan 18 j 23:38	20° ♁ 29'11	-1°28'36
	-9631 Jul 27 j 01:02	0° ♁	minimum elong	-9625 Jan 18 j 23:34	20° ♁ 29'09	1°29'00
			max. Earth dist.	-9625 Jan 20 j 11:19	20° ♁ 49'59	6.07490 AU
conjunction	-9631 Aug 02 j 18:32	1° ♁ 31'09 1°36'14	morning rise	-9625 Feb 01 j 16:31	23° ♁ 40'14	
minimum elong	-9631 Aug 02 j 18:30	1° ♁ 31'07 1°36'41		-9625 Mar 01 j 20:47	0° ♁	
max. Earth dist.	-9631 Aug 01 j 12:01	1° ♁ 13'55 6.31131 AU	retrograde	-9625 Jun 11 j 12:06	13° ♁ 19'39	
morning rise	-9631 Aug 15 j 03:39	4° ♁ 18'35	opposition	-9625 Aug 09 j 19:45	8° ♁ 15'07	-2°24'33
retrograde	-9631 Dec 16 j 14:41	22° ♁ 06'14	min. Earth dist.	-9625 Aug 09 j 00:21	8° ♁ 21'45	4.10179 AU
opposition	-9630 Feb 15 j 20:56	17° ♁ 13'32 2°25'32	direct	-9625 Oct 07 j 08:40	3° ♁ 14'58	
min. Earth dist.	-9630 Feb 16 j 15:43	17° ♁ 07'34 4.28226 AU	evening set	-9624 Feb 11 j 07:39	22° ♁ 21'03	

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Attention, astronomical year style is used: The year -9624 in astronomical counting style is the year 9625 BCE in historical counting style.

conjunction	-9624 Feb 25 j 00:41	25° \mathbb{A} 29'19	-1°36'25	min. Earth dist.	-9618 Feb 21 j 10:08	21° \mathbb{H} 48'07	4.27111 AU
minimum elong	-9624 Feb 25 j 00:43	25° \mathbb{A} 29'20	1°36'59	direct	-9618 Apr 23 j 10:26	16° \mathbb{H} 57'57	
max. Earth dist.	-9624 Feb 26 j 01:05	25° \mathbb{A} 43'17	6.13474 AU		-9618 Aug 03 j 01:05	0° \mathbb{G}	
morning rise	-9624 Mar 09 j 18:01	28° \mathbb{A} 37'32		evening set	-9618 Aug 26 j 03:15	5° \mathbb{G} 08'26	
	-9624 Mar 15 j 19:37	0° \mathbb{B}					
retrograde	-9624 Jul 14 j 10:22	17° \mathbb{B} 33'10		conjunction	-9618 Sep 07 j 13:09	7° \mathbb{G} 59'19	1°31'28
opposition	-9624 Sep 11 j 12:12	12° \mathbb{B} 31'16	-2°09'28	minimum elong	-9618 Sep 07 j 13:12	7° \mathbb{G} 59'21	1°32'03
min. Earth dist.	-9624 Sep 11 j 01:47	12° \mathbb{B} 34'49	4.17524 AU	max. Earth dist.	-9618 Sep 06 j 20:03	7° \mathbb{G} 49'29	6.23188 AU
direct	-9624 Nov 10 j 00:51	7° \mathbb{B} 28'16		morning rise	-9618 Sep 19 j 23:55	10° \mathbb{G} 50'45	
evening set	-9623 Mar 18 j 08:16	26° \mathbb{B} 20'47		retrograde	-9617 Jan 24 j 20:33	29° \mathbb{G} 26'36	
				opposition	-9617 Mar 27 j 07:33	24° \mathbb{G} 30'40	1°53'49
conjunction	-9623 Apr 01 j 00:14	29° \mathbb{B} 25'14	-1°10'48	min. Earth dist.	-9617 Mar 27 j 13:04	24° \mathbb{G} 28'54	4.19161 AU
minimum elong	-9623 Apr 01 j 00:20	29° \mathbb{B} 25'17	1°11'19	direct	-9617 May 26 j 21:54	19° \mathbb{G} 37'10	
max. Earth dist.	-9623 Apr 01 j 06:07	29° \mathbb{B} 28'34	6.21624 AU		-9617 Aug 22 j 06:08	0° \mathbb{Q}	
	-9623 Apr 03 j 13:53	0° \mathbb{R}		evening set	-9617 Sep 27 j 09:37	7° \mathbb{Q} 59'49	
morning rise	-9623 Apr 14 j 14:21	2° \mathbb{R} 28'38					
	-9623 Jun 15 j 15:28	15° \mathbb{R}		conjunction	-9617 Oct 10 j 01:59	10° \mathbb{Q} 56'55	0°56'05
retrograde	-9623 Aug 16 j 01:49	20° \mathbb{R} 35'01		minimum elong	-9617 Oct 10 j 02:03	10° \mathbb{Q} 56'57	0°56'34
opposition	-9623 Oct 14 j 05:16	15° \mathbb{R} 36'57	-1°12'23	max. Earth dist.	-9617 Oct 10 j 04:24	10° \mathbb{Q} 58'19	6.15119 AU
min. Earth dist.	-9623 Oct 14 j 08:06	15° \mathbb{R} 36'00	4.25632 AU	morning rise	-9617 Oct 22 j 20:40	13° \mathbb{Q} 55'25	
	-9623 Oct 18 j 19:54	15° \mathbb{R} \mathbb{R}			-9617 Oct 27 j 12:35	15° \mathbb{Q}	
direct	-9623 Dec 14 j 00:31	10° \mathbb{R} 32'43			-9616 Jan 13 j 11:53	0° \mathbb{P}	
	-9622 Feb 07 j 22:56	15° \mathbb{R}		retrograde	-9616 Feb 29 j 14:19	3° \mathbb{P} 15'20	
evening set	-9622 Apr 21 j 19:33	29° \mathbb{R} 05'40			-9616 Apr 17 j 03:22	30° \mathbb{R} \mathbb{Q}	
	-9622 Apr 25 j 21:38	0° \mathbb{X}		opposition	-9616 Apr 30 j 18:32	28° \mathbb{Q} 15'34	0°43'49
conjunction	-9622 May 05 j 06:16	2° \mathbb{X} 05'01	-0°22'59	min. Earth dist.	-9616 Apr 30 j 10:18	28° \mathbb{Q} 18'15	4.11534 AU
minimum elong	-9622 May 05 j 06:18	2° \mathbb{X} 05'02	0°23'18	direct	-9616 Jun 29 j 02:56	23° \mathbb{Q} 22'42	
max. Earth dist.	-9622 May 04 j 16:29	1° \mathbb{X} 57'21	6.29145 AU		-9616 Sep 03 j 20:04	0° \mathbb{P}	
morning rise	-9622 May 18 j 13:46	5° \mathbb{X} 02'41		evening set	-9616 Oct 30 j 04:59	12° \mathbb{P} 01'36	
retrograde	-9622 Sep 16 j 17:55	22° \mathbb{X} 32'10		conjunction	-9616 Nov 12 j 06:41	15° \mathbb{P} 05'42	0°00'56
asc. node	-9622 Oct 21 j 03:06	20° \mathbb{X} 40'56		minimum elong	-9616 Nov 12 j 06:40	15° \mathbb{P} 05'42	0°01'09
opposition	-9622 Nov 15 j 08:41	17° \mathbb{X} 37'37	0°05'07	behind sun begin	-9616 Nov 11 j 22:29	15° \mathbb{P} 00'55	
min. Earth dist.	-9622 Nov 15 j 22:32	17° \mathbb{X} 33'04	4.31927 AU	behind sun end	-9616 Nov 12 j 14:51	15° \mathbb{P} 10'29	
direct	-9621 Jan 16 j 05:18	12° \mathbb{X} 33'54		max. Earth dist.	-9616 Nov 13 j 02:44	15° \mathbb{P} 17'30	6.08678 AU
	-9621 May 20 j 23:16	0° \mathbb{Y}		desc. node	-9616 Nov 18 j 10:14	16° \mathbb{P} 32'25	
evening set	-9621 May 24 j 17:43	0° \mathbb{Y} 49'40		morning rise	-9616 Nov 25 j 12:02	18° \mathbb{P} 11'45	
					-9615 Jan 19 j 09:15	0° \mathbb{A}	
conjunction	-9621 Jun 06 j 19:34	3° \mathbb{Y} 43'29	0°30'52	retrograde	-9615 Apr 05 j 22:07	8° \mathbb{A} 03'12	
minimum elong	-9621 Jun 06 j 19:31	3° \mathbb{Y} 43'28	0°30'49	opposition	-9615 Jun 05 j 13:09	2° \mathbb{A} 59'49	-0°43'36
max. Earth dist.	-9621 Jun 05 j 16:20	3° \mathbb{Y} 28'21	6.33754 AU	min. Earth dist.	-9615 Jun 04 j 17:30	3° \mathbb{A} 06'23	4.06845 AU
morning rise	-9621 Jun 19 j 17:52	6° \mathbb{Y} 35'33			-9615 Jun 29 j 18:12	30° \mathbb{R} \mathbb{P}	
retrograde	-9621 Oct 18 j 06:21	23° \mathbb{Y} 50'08		direct	-9615 Aug 02 j 22:53	28° \mathbb{P} 05'32	
opposition	-9621 Dec 17 j 11:39	18° \mathbb{Y} 57'56	1°19'39		-9615 Sep 05 j 23:46	0° \mathbb{A}	
min. Earth dist.	-9621 Dec 18 j 09:34	18° \mathbb{Y} 50'53	4.34579 AU	evening set	-9615 Dec 04 j 18:16	17° \mathbb{A} 01'17	
direct	-9620 Feb 17 j 23:07	13° \mathbb{Y} 56'18					
	-9620 Jun 15 j 06:25	0° \mathbb{B}		conjunction	-9615 Dec 18 j 04:35	20° \mathbb{A} 10'09	-0°55'30
evening set	-9620 Jun 24 j 12:37	2° \mathbb{B} 02'08		minimum elong	-9615 Dec 18 j 04:29	20° \mathbb{A} 10'06	0°55'38
max. Earth dist.	-9620 Jul 05 j 19:11	4° \mathbb{B} 32'49	6.34134 AU	max. Earth dist.	-9615 Dec 19 j 14:51	20° \mathbb{A} 30'16	6.06121 AU
				morning rise	-9615 Dec 31 j 17:59	23° \mathbb{A} 20'40	
conjunction	-9620 Jul 07 j 04:50	4° \mathbb{B} 51'37	1°15'09		-9614 Jan 30 j 05:07	0° \mathbb{M}	
minimum elong	-9620 Jul 07 j 04:45	4° \mathbb{B} 51'34	1°15'25	retrograde	-9614 May 12 j 03:25	13° \mathbb{M} 18'00	
morning rise	-9620 Jul 19 j 18:25	7° \mathbb{B} 39'49		opposition	-9614 Jul 10 j 23:56	8° \mathbb{M} 12'54	-1°55'57
	-9620 Aug 23 j 05:17	15° \mathbb{B}		min. Earth dist.	-9614 Jul 10 j 01:27	8° \mathbb{M} 20'33	4.06780 AU
retrograde	-9620 Nov 18 j 06:34	25° \mathbb{B} 03'28		direct	-9614 Sep 07 j 03:57	3° \mathbb{M} 15'42	
opposition	-9619 Jan 18 j 03:09	20° \mathbb{B} 11'48	2°11'08		-9614 Dec 08 j 13:29	15° \mathbb{M}	
min. Earth dist.	-9619 Jan 19 j 02:17	20° \mathbb{B} 04'27	4.32802 AU	evening set	-9613 Jan 10 j 12:57	22° \mathbb{M} 21'51	
direct	-9619 Mar 21 j 13:16	15° \mathbb{B} 13'04					
	-9619 Jul 10 j 21:21	0° \mathbb{H}		conjunction	-9613 Jan 24 j 04:09	25° \mathbb{M} 31'37	-1°31'48
evening set	-9619 Jul 25 j 18:11	3° \mathbb{H} 17'30		minimum elong	-9613 Jan 24 j 04:06	25° \mathbb{M} 31'35	1°32'13
max. Earth dist.	-9619 Aug 06 j 00:01	5° \mathbb{H} 49'42	6.30236 AU	max. Earth dist.	-9613 Jan 25 j 13:55	25° \mathbb{M} 51'13	6.08401 AU
				morning rise	-9613 Feb 06 j 21:23	28° \mathbb{M} 42'17	
conjunction	-9619 Aug 07 j 04:14	6° \mathbb{H} 05'40	1°37'46		-9613 Feb 12 j 12:47	0° \mathbb{X}	
minimum elong	-9619 Aug 07 j 04:12	6° \mathbb{H} 05'39	1°38'15	retrograde	-9613 Jun 16 j 06:17	18° \mathbb{X} 15'34	
morning rise	-9619 Aug 19 j 12:55	8° \mathbb{H} 53'19		opposition	-9613 Aug 14 j 13:53	13° \mathbb{X} 11'14	-2°25'27
retrograde	-9619 Dec 21 j 08:43	26° \mathbb{H} 46'33		min. Earth dist.	-9613 Aug 13 j 18:58	13° \mathbb{X} 17'42	4.11291 AU
opposition	-9618 Feb 20 j 16:46	21° \mathbb{H} 53'37	2°24'47	direct	-9613 Oct 12 j 05:00	8° \mathbb{X} 10'35	

Attention, astronomical year style is used: The year -9612 in astronomical counting style is the year 9613 BCE in historical counting style.

evening set	-9612 Feb 16 j 09:20	27°♌14'36			-9607 Nov 24 j 15:53	0°♏	
	-9612 Feb 28 j 11:21	0°♏		retrograde	-9607 Dec 26 j 05:11	1°♏30'18	
					-9606 Jan 27 j 00:09	30°♏II	
conjunction	-9612 Mar 01 j 02:25	0°♏22'20	-1°34'40	opposition	-9606 Feb 25 j 14:17	26°♏II36'59	2°23'03
minimum elong	-9612 Mar 01 j 02:28	0°♏22'22	1°35'15	min. Earth dist.	-9606 Feb 26 j 05:32	26°♏II32'09	4.26070 AU
max. Earth dist.	-9612 Mar 02 j 00:11	0°♏34'47	6.14688 AU	direct	-9606 Apr 28 j 04:15	21°♏II41'42	
morning rise	-9612 Mar 14 j 19:24	3°♏29'53			-9606 Jul 15 j 07:17	0°♏	
retrograde	-9612 Jul 19 j 01:27	22°♏18'15		evening set	-9606 Aug 30 j 16:29	9°♏53'26	
opposition	-9612 Sep 16 j 02:15	17°♏16'51	-2°03'38				
min. Earth dist.	-9612 Sep 15 j 18:45	17°♏19'24	4.18702 AU	conjunction	-9606 Sep 12 j 03:04	12°♏45'00	1°28'03
direct	-9612 Nov 14 j 19:41	12°♏13'33		minimum elong	-9606 Sep 12 j 03:08	12°♏45'02	1°28'37
	-9611 Mar 18 j 11:03	0°♏		max. Earth dist.	-9606 Sep 11 j 14:11	12°♏37'34	6.22164 AU
evening set	-9611 Mar 23 j 05:04	1°♏03'31		morning rise	-9606 Sep 24 j 14:28	15°♏37'12	
					-9606 Dec 06 j 00:56	0°♏	
conjunction	-9611 Apr 05 j 20:39	4°♏07'24	-1°05'08	retrograde	-9605 Jan 29 j 21:37	4°♏18'49	
minimum elong	-9611 Apr 05 j 20:44	4°♏07'26	1°05'39		-9605 Mar 27 j 10:19	30°♏♏	
max. Earth dist.	-9611 Apr 05 j 23:18	4°♏08'53	6.22677 AU	opposition	-9605 Apr 01 j 07:53	29°♏22'25	1°45'50
morning rise	-9611 Apr 19 j 10:06	7°♏10'06		min. Earth dist.	-9605 Apr 01 j 11:37	29°♏21'13	4.18211 AU
	-9611 May 26 j 00:32	15°♏		direct	-9605 May 31 j 18:18	24°♏29'09	
retrograde	-9611 Aug 20 j 11:32	25°♏10'52			-9605 Jul 31 j 22:48	0°♏	
opposition	-9611 Oct 18 j 16:55	20°♏13'20	-1°02'19	evening set	-9605 Oct 02 j 02:47	12°♏53'04	
min. Earth dist.	-9611 Oct 18 j 21:04	20°♏11'56	4.26472 AU		-9605 Oct 11 j 04:48	15°♏	
direct	-9611 Dec 18 j 15:03	15°♏09'03					
	-9610 Apr 09 j 15:05	0°♏		conjunction	-9605 Oct 14 j 20:11	15°♏51'02	0°49'05
evening set	-9610 Apr 26 j 11:35	3°♏40'12		minimum elong	-9605 Oct 14 j 20:15	15°♏51'04	0°49'33
				max. Earth dist.	-9605 Oct 15 j 00:08	15°♏53'20	6.14317 AU
conjunction	-9610 May 09 j 21:13	6°♏38'54	-0°15'30	morning rise	-9605 Oct 27 j 16:25	18°♏50'32	
minimum elong	-9610 May 09 j 21:15	6°♏38'55	0°15'47		-9605 Dec 18 j 16:00	0°♏	
behind sun begin	-9610 May 09 j 20:14	6°♏38'21		retrograde	-9604 Mar 05 j 15:55	8°♏14'54	
behind sun end	-9610 May 09 j 22:17	6°♏39'29		opposition	-9604 May 05 j 19:52	3°♏14'32	0°31'48
max. Earth dist.	-9610 May 09 j 04:34	6°♏29'38	6.29726 AU	min. Earth dist.	-9604 May 05 j 09:12	3°♏18'02	4.10926 AU
morning rise	-9610 May 23 j 03:39	9°♏35'55			-9604 Jun 01 j 23:43	30°♏♏	
asc. node	-9610 Aug 31 j 13:05	26°♏21'48		direct	-9604 Jul 04 j 00:16	28°♏21'36	
retrograde	-9610 Sep 21 j 04:56	27°♏03'03			-9604 Aug 04 j 19:17	0°♏	
opposition	-9610 Nov 19 j 20:28	22°♏08'58	0°16'12	desc. node	-9604 Sep 27 j 11:26	8°♏38'04	
min. Earth dist.	-9610 Nov 20 j 12:34	22°♏03'42	4.32206 AU	evening set	-9604 Nov 04 j 02:49	17°♏01'57	
direct	-9609 Jan 20 j 20:22	17°♏05'30					
	-9609 May 04 j 09:16	0°♏		conjunction	-9604 Nov 17 j 05:58	20°♏06'48	-0°07'32
evening set	-9609 May 29 j 06:26	5°♏20'40		minimum elong	-9604 Nov 17 j 05:57	20°♏06'47	0°07'22
max. Earth dist.	-9609 Jun 10 j 02:01	7°♏57'52	6.33702 AU	behind sun begin	-9604 Nov 16 j 22:28	20°♏02'24	
				behind sun end	-9604 Nov 17 j 13:26	20°♏11'10	
conjunction	-9609 Jun 11 j 07:00	8°♏13'59	0°37'57	max. Earth dist.	-9604 Nov 18 j 05:41	20°♏20'44	6.08326 AU
minimum elong	-9609 Jun 11 j 06:57	8°♏13'57	0°37'57	morning rise	-9604 Nov 30 j 12:28	23°♏13'32	
morning rise	-9609 Jun 24 j 04:05	11°♏05'33			-9604 Dec 30 j 12:16	0°♏	
retrograde	-9609 Oct 22 j 17:48	28°♏21'17		retrograde	-9603 Apr 11 j 01:45	13°♏06'32	
opposition	-9609 Dec 22 j 01:27	23°♏29'16	1°28'41	opposition	-9603 Jun 10 j 13:33	8°♏02'51	-0°55'26
min. Earth dist.	-9609 Dec 22 j 23:25	23°♏22'13	4.34239 AU	min. Earth dist.	-9603 Jun 09 j 17:55	8°♏09'26	4.06787 AU
direct	-9608 Feb 22 j 12:45	18°♏28'01		direct	-9603 Aug 07 j 22:32	3°♏08'16	
	-9608 May 29 j 06:29	0°♏		evening set	-9603 Dec 09 j 20:44	22°♏05'11	
evening set	-9608 Jun 28 j 23:48	6°♏34'28					
max. Earth dist.	-9608 Jul 10 j 06:47	9°♏05'41	6.33533 AU	conjunction	-9603 Dec 23 j 07:45	25°♏14'16	-1°02'13
				minimum elong	-9603 Dec 23 j 07:40	25°♏14'12	1°02'25
conjunction	-9608 Jul 11 j 14:57	9°♏23'42	1°19'51	max. Earth dist.	-9603 Dec 24 j 17:26	25°♏34'00	6.06341 AU
minimum elong	-9608 Jul 11 j 14:52	9°♏23'40	1°20'09	morning rise	-9602 Jan 05 j 22:04	28°♏24'59	
morning rise	-9608 Jul 24 j 03:29	12°♏11'43			-9602 Jan 12 j 18:17	0°♏	
	-9608 Aug 05 j 21:06	15°♏			-9602 Mar 31 j 07:10	15°♏	
retrograde	-9608 Nov 22 j 22:28	29°♏39'21		retrograde	-9602 May 17 j 01:52	18°♏20'01	
opposition	-9607 Jan 22 j 20:43	24°♏47'41	2°15'35		-9602 Jul 02 j 18:12	15°♏	
min. Earth dist.	-9607 Jan 23 j 19:27	24°♏40'28	4.31997 AU	opposition	-9602 Jul 15 j 21:10	13°♏14'54	-2°03'04
direct	-9607 Mar 26 j 05:35	19°♏49'29		min. Earth dist.	-9602 Jul 14 j 22:12	13°♏22'43	4.07289 AU
	-9607 Jun 23 j 06:39	0°♏		direct	-9602 Sep 12 j 01:15	8°♏17'12	
evening set	-9607 Jul 30 j 05:29	7°♏54'58			-9602 Nov 18 j 01:10	15°♏	
max. Earth dist.	-9607 Aug 10 j 11:23	10°♏27'39	6.29278 AU	evening set	-9601 Jan 15 j 16:57	27°♏23'34	
					-9601 Jan 26 j 23:26	0°♏	
conjunction	-9607 Aug 11 j 15:01	10°♏43'19	1°38'41				
minimum elong	-9607 Aug 11 j 14:59	10°♏43'18	1°39'12	conjunction	-9601 Jan 29 j 08:38	0°♏33'10	-1°34'19
morning rise	-9607 Aug 23 j 23:44	13°♏31'20		minimum elong	-9601 Jan 29 j 08:35	0°♏33'09	1°34'47

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Attention, astronomical year style is used: The year -9601 in astronomical counting style is the year 9602 BCE in historical counting style.

max. Earth dist.	-9601 Jan 30 j 17:11	0°♌52'03	6.09148 AU	retrograde	-9596 Nov 27 j 13:33	4°♊15'28	
morning rise	-9601 Feb 12 j 01:55	3°♌43'30			-9595 Jan 22 j 19:26	30°♋♌	
retrograde	-9601 Jun 21 j 02:12	23°♌11'21		opposition	-9595 Jan 27 j 14:25	29°♋23'37	2°19'14
opposition	-9601 Aug 19 j 07:39	18°♌07'19	-2°25'22	min. Earth dist.	-9595 Jan 28 j 11:24	29°♋16'57	4.31459 AU
min. Earth dist.	-9601 Aug 18 j 15:08	18°♌12'59	4.12196 AU	direct	-9595 Mar 30 j 20:43	24°♋25'49	
direct	-9601 Oct 17 j 02:31	13°♌06'13			-9595 Jun 02 j 09:13	0°♊	
	-9600 Feb 11 j 22:01	0°♌		evening set	-9595 Aug 03 j 16:13	12°♊31'16	
evening set	-9600 Feb 21 j 11:06	2°♌08'59		max. Earth dist.	-9595 Aug 15 j 00:52	15°♊05'43	6.28620 AU
conjunction	-9600 Mar 06 j 04:17	5°♌16'21	-1°32'17	conjunction	-9595 Aug 16 j 01:29	15°♊19'43	1°38'59
minimum elong	-9600 Mar 06 j 04:21	5°♌16'23	1°32'51	minimum elong	-9595 Aug 16 j 01:29	15°♊19'43	1°39'32
max. Earth dist.	-9600 Mar 06 j 23:48	5°♌27'29	6.15679 AU	morning rise	-9595 Aug 28 j 10:00	18°♊07'56	
morning rise	-9600 Mar 19 j 21:00	8°♌23'21			-9595 Oct 25 j 10:01	0°♌	
retrograde	-9600 Jul 23 j 15:09	27°♌05'12		retrograde	-9595 Dec 31 j 01:13	6°♌11'25	
opposition	-9600 Sep 20 j 16:47	22°♌04'19	-1°56'58	opposition	-9594 Mar 02 j 10:47	1°♌17'46	2°20'24
min. Earth dist.	-9600 Sep 20 j 10:15	22°♌06'32	4.19684 AU	min. Earth dist.	-9594 Mar 03 j 01:05	1°♌13'14	4.25326 AU
direct	-9600 Nov 19 j 12:59	17°♌00'46			-9594 Mar 12 j 18:31	30°♋♊	
	-9599 Mar 01 j 08:46	0°♌		direct	-9594 May 02 j 22:16	26°♊22'49	
evening set	-9599 Mar 28 j 02:38	5°♌48'47			-9594 Jun 21 j 12:54	0°♌	
				evening set	-9594 Sep 04 j 04:29	14°♌34'45	
conjunction	-9599 Apr 10 j 17:35	8°♌52'05	-0°59'01	conjunction	-9594 Sep 16 j 15:33	17°♌26'53	1°24'06
minimum elong	-9599 Apr 10 j 17:40	8°♌52'07	0°59'30	minimum elong	-9594 Sep 16 j 15:38	17°♌26'56	1°24'40
max. Earth dist.	-9599 Apr 10 j 16:11	8°♌51'17	6.23587 AU	max. Earth dist.	-9594 Sep 16 j 03:48	17°♌20'06	6.21390 AU
morning rise	-9599 Apr 24 j 06:23	11°♌54'08		morning rise	-9594 Sep 29 j 04:00	20°♌19'50	
	-9599 May 08 j 07:25	15°♌			-9594 Nov 13 j 01:56	0°♌	
retrograde	-9599 Aug 25 j 00:30	29°♌49'49		retrograde	-9593 Feb 03 j 19:00	9°♌06'22	
opposition	-9599 Oct 23 j 05:50	24°♌52'48	-0°51'46	opposition	-9593 Apr 06 j 06:17	4°♌09'21	1°37'13
min. Earth dist.	-9599 Oct 23 j 12:45	24°♌50'30	4.27220 AU	min. Earth dist.	-9593 Apr 06 j 07:16	4°♌09'02	4.17445 AU
direct	-9599 Dec 23 j 09:06	19°♌48'29			-9593 May 15 j 02:33	30°♋♌	
	-9598 Mar 22 j 17:51	0°♋		direct	-9593 Jun 05 j 12:10	29°♌16'12	
evening set	-9598 May 01 j 04:33	8°♋17'56			-9593 Jun 26 j 21:14	0°♌	
conjunction	-9598 May 14 j 13:16	11°♋16'01	-0°07'49	conjunction	-9593 Sep 25 j 01:59	15°♌	
minimum elong	-9598 May 14 j 13:17	11°♋16'02	0°08'05	minimum elong	-9593 Sep 25 j 01:59	15°♌	
behind sun begin	-9598 May 14 j 06:01	11°♋12'00		behind sun begin	-9593 Oct 06 j 18:00	17°♌40'56	
behind sun end	-9598 May 14 j 20:32	11°♋20'03		behind sun end	-9593 Oct 19 j 12:44	20°♌39'44	0°41'52
max. Earth dist.	-9598 May 13 j 19:08	11°♋05'56	6.30264 AU	max. Earth dist.	-9593 Oct 19 j 12:48	20°♌39'46	0°42'17
morning rise	-9598 May 27 j 18:26	14°♋12'19		morning rise	-9593 Oct 19 j 20:28	20°♌44'15	6.13640 AU
asc. node	-9598 Jul 10 j 16:19	23°♋21'06		morning rise	-9593 Nov 01 j 10:10	23°♌40'08	
	-9598 Aug 24 j 15:03	0°♎			-9593 Nov 29 j 13:10	0°♎	
retrograde	-9598 Sep 25 j 15:06	1°♎37'10		retrograde	-9592 Mar 10 j 17:14	13°♎08'26	
	-9598 Oct 27 j 18:33	30°♋♋		opposition	-9592 May 10 j 18:54	8°♎07'35	0°19'45
opposition	-9598 Nov 24 j 09:24	26°♋43'27	0°27'19	min. Earth dist.	-9592 May 10 j 07:46	8°♎11'14	4.10376 AU
min. Earth dist.	-9598 Nov 25 j 01:44	26°♋38'07	4.32520 AU	direct	-9592 Jul 08 j 21:12	3°♎14'30	
direct	-9597 Jan 25 j 10:34	21°♋40'13		desc. node	-9592 Aug 07 j 20:50	4°♎42'52	
	-9597 Apr 15 j 15:55	0°♎		evening set	-9592 Nov 08 j 23:12	21°♎56'25	
evening set	-9597 Jun 02 j 19:54	9°♎54'27					
conjunction	-9597 Jun 15 j 19:02	12°♎47'08	0°44'54	conjunction	-9592 Nov 22 j 03:24	25°♎01'56	-0°15'42
minimum elong	-9597 Jun 15 j 18:58	12°♎47'06	0°44'58	minimum elong	-9592 Nov 22 j 03:22	25°♎01'55	0°15'34
max. Earth dist.	-9597 Jun 14 j 13:04	12°♎30'27	6.33773 AU	behind sun begin	-9592 Nov 22 j 01:19	25°♎00'43	
morning rise	-9597 Jun 28 j 14:52	15°♎38'09		behind sun end	-9592 Nov 22 j 05:25	25°♎03'07	
	-9597 Sep 13 j 10:27	0°♋		max. Earth dist.	-9592 Nov 23 j 03:25	25°♎16'03	6.07943 AU
retrograde	-9597 Oct 27 j 07:37	2°♋54'37		morning rise	-9592 Dec 05 j 11:19	28°♎09'24	
	-9597 Dec 10 j 23:19	30°♋♎			-9592 Dec 13 j 10:08	0°♎	
opposition	-9597 Dec 26 j 16:30	28°♎02'48	1°37'17	retrograde	-9591 Apr 16 j 00:56	18°♎03'57	
min. Earth dist.	-9597 Dec 27 j 15:25	27°♎55'28	4.34086 AU	opposition	-9591 Jun 15 j 11:17	12°♎59'58	-1°06'39
direct	-9596 Feb 27 j 05:13	23°♎01'57		min. Earth dist.	-9591 Jun 14 j 14:18	13°♎07'00	4.06627 AU
	-9596 May 09 j 16:01	0°♋		direct	-9591 Aug 12 j 17:50	8°♎05'00	
evening set	-9596 Jul 03 j 10:59	11°♋07'58		evening set	-9591 Dec 14 j 21:37	27°♎03'51	
max. Earth dist.	-9596 Jul 14 j 17:12	13°♋38'59	6.33158 AU		-9591 Dec 27 j 10:57	0°♎	
conjunction	-9596 Jul 16 j 01:04	13°♋56'52	1°24'08	conjunction	-9591 Dec 28 j 09:33	0°♎13'15	-1°08'23
minimum elong	-9596 Jul 16 j 01:00	13°♋56'49	1°24'28	minimum elong	-9591 Dec 28 j 09:28	0°♎13'11	1°08'36
	-9596 Jul 20 j 17:39	15°♋		max. Earth dist.	-9591 Dec 29 j 19:38	0°♎33'13	6.06404 AU
morning rise	-9596 Jul 28 j 12:45	16°♋44'38		morning rise	-9590 Jan 11 j 00:26	3°♎24'10	
	-9596 Oct 04 j 11:44	0°♊			-9590 Mar 05 j 20:58	15°♎	
				retrograde	-9590 May 22 j 01:01	23°♎17'40	

Attention, astronomical year style is used: The year -9590 in astronomical counting style is the year 9591 BCE in historical counting style.

opposition	-9590 Jul 20 j 17:01	18° \mathbb{M} 12'35	-2°09'11	retrograde	-9585 Oct 31 j 18:50	7° \mathcal{B} 27'03	
min. Earth dist.	-9590 Jul 19 j 19:39	18° \mathbb{M} 19'53	4.07575 AU	opposition	-9585 Dec 31 j 07:02	2° \mathcal{B} 35'18	1°45'17
	-9590 Aug 15 j 09:38	15° $\mathcal{R}\mathbb{M}$		min. Earth dist.	-9584 Jan 01 j 05:07	2° \mathcal{B} 28'15	4.34089 AU
direct	-9590 Sep 16 j 22:35	13° \mathbb{M} 14'25			-9584 Jan 21 j 14:31	30° $\mathcal{R}\mathbb{Y}$	
	-9590 Oct 19 j 14:34	15° \mathbb{M}		direct	-9584 Mar 02 j 18:51	27° \mathbb{Y} 34'51	
	-9589 Jan 10 j 11:25	0° \mathcal{Z}			-9584 Apr 12 j 21:00	0° \mathcal{B}	
evening set	-9589 Jan 20 j 19:48	2° \mathcal{Z} 21'54			-9584 Jul 04 j 21:28	15° \mathcal{B}	
				evening set	-9584 Jul 07 j 21:15	15° \mathcal{B} 39'52	
conjunction	-9589 Feb 03 j 11:57	5° \mathcal{Z} 31'29	-1°36'07	max. Earth dist.	-9584 Jul 19 j 02:37	18° \mathcal{B} 10'38	6.32886 AU
minimum elong	-9589 Feb 03 j 11:55	5° \mathcal{Z} 31'27	1°36'37				
max. Earth dist.	-9589 Feb 04 j 19:39	5° \mathcal{Z} 49'49	6.09628 AU	conjunction	-9584 Jul 20 j 10:12	18° \mathcal{B} 28'22	1°27'53
morning rise	-9589 Feb 17 j 05:24	8° \mathcal{Z} 41'38		minimum elong	-9584 Jul 20 j 10:08	18° \mathcal{B} 28'20	1°28'16
retrograde	-9589 Jun 25 j 20:16	28° \mathcal{Z} 05'01		morning rise	-9584 Aug 01 j 21:04	21° \mathcal{B} 15'53	
min. Earth dist.	-9589 Aug 23 j 08:49	23° \mathcal{Z} 06'51	4.12843 AU		-9584 Sep 12 j 07:04	0° \mathbb{I}	
opposition	-9589 Aug 24 j 00:46	23° \mathcal{Z} 01'24	-2°24'16	retrograde	-9584 Dec 02 j 05:54	8° \mathbb{I} 49'46	
direct	-9589 Oct 21 j 21:08	17° \mathcal{Z} 59'57		opposition	-9583 Feb 01 j 07:26	3° \mathbb{I} 57'47	2°22'02
	-9588 Jan 25 j 09:13	0° \mathcal{B}		min. Earth dist.	-9583 Feb 02 j 04:48	3° \mathbb{I} 51'01	4.30912 AU
evening set	-9588 Feb 26 j 12:46	7° \mathcal{B} 02'27			-9583 Mar 09 j 17:06	30° $\mathcal{R}\mathcal{B}$	
				direct	-9583 Apr 04 j 12:50	29° \mathcal{B} 00'23	
conjunction	-9588 Mar 11 j 05:49	10° \mathcal{B} 09'29	-1°29'14		-9583 Apr 30 j 06:29	0° \mathbb{I}	
minimum elong	-9588 Mar 11 j 05:53	10° \mathcal{B} 09'31	1°29'48	evening set	-9583 Aug 08 j 01:44	17° \mathbb{I} 05'52	
max. Earth dist.	-9588 Mar 11 j 21:38	10° \mathcal{B} 18'29	6.16449 AU	max. Earth dist.	-9583 Aug 19 j 10:55	19° \mathbb{I} 40'56	6.27822 AU
morning rise	-9588 Mar 24 j 22:23	13° \mathcal{B} 16'04					
	-9588 Jun 24 j 02:49	0° \approx		conjunction	-9583 Aug 20 j 10:51	19° \mathbb{I} 54'33	1°38'43
retrograde	-9588 Jul 28 j 06:57	1° \approx 52'20		minimum elong	-9583 Aug 20 j 10:51	19° \mathbb{I} 54'34	1°39'16
	-9588 Aug 31 j 05:42	30° $\mathcal{R}\mathcal{B}$		morning rise	-9583 Sep 01 j 19:32	22° \mathbb{I} 43'09	
opposition	-9588 Sep 25 j 07:45	26° \mathcal{B} 52'00	-1°49'30		-9583 Oct 05 j 07:27	0° \mathcal{B}	
min. Earth dist.	-9588 Sep 25 j 03:39	26° \mathcal{B} 53'23	4.20495 AU	retrograde	-9582 Jan 04 j 19:27	10° \mathcal{B} 51'57	
direct	-9588 Nov 24 j 09:06	21° \mathcal{B} 48'15		opposition	-9582 Mar 07 j 06:39	5° \mathcal{B} 57'50	2°16'55
	-9587 Feb 10 j 02:08	0° \approx		min. Earth dist.	-9582 Mar 07 j 18:37	5° \mathcal{B} 54'02	4.24325 AU
evening set	-9587 Apr 02 j 00:18	10° \approx 34'47		direct	-9582 May 07 j 13:31	1° \mathcal{B} 03'13	
				evening set	-9582 Sep 08 j 16:19	19° \mathcal{B} 16'27	
conjunction	-9587 Apr 15 j 14:52	13° \approx 37'35	-0°52'27				
minimum elong	-9587 Apr 15 j 14:57	13° \approx 37'37	0°52'55	conjunction	-9582 Sep 21 j 04:13	22° \mathcal{B} 09'24	1°19'39
max. Earth dist.	-9587 Apr 15 j 12:34	13° \approx 36'17	6.24409 AU	minimum elong	-9582 Sep 21 j 04:18	22° \mathcal{B} 09'26	1°20'12
	-9587 Apr 21 j 17:43	15° \approx		max. Earth dist.	-9582 Sep 20 j 19:25	22° \mathcal{B} 04'18	6.20279 AU
morning rise	-9587 Apr 29 j 02:44	16° \approx 38'58		morning rise	-9582 Oct 03 j 17:32	25° \mathcal{B} 03'14	
	-9587 Jul 05 j 22:07	0° \mathcal{H}			-9582 Oct 25 j 17:43	0° \mathcal{Q}	
retrograde	-9587 Aug 29 j 12:23	4° \mathcal{H} 29'54		retrograde	-9581 Feb 08 j 19:22	13° \mathcal{Q} 56'00	
	-9587 Oct 24 j 11:23	30° $\mathcal{R}\approx$		opposition	-9581 Apr 11 j 05:05	8° \mathcal{Q} 58'29	1°27'59
opposition	-9587 Oct 27 j 19:28	29° \approx 33'26	-0°40'49	min. Earth dist.	-9581 Apr 11 j 05:26	8° \mathcal{Q} 58'22	4.16280 AU
min. Earth dist.	-9587 Oct 28 j 02:50	29° \approx 30'59	4.27979 AU	direct	-9581 Jun 10 j 07:57	4° \mathcal{Q} 05'25	
direct	-9587 Dec 28 j 01:18	24° \approx 29'14			-9581 Sep 07 j 15:40	15° \mathcal{Q}	
	-9586 Mar 01 j 06:21	0° \mathcal{H}		evening set	-9581 Oct 11 j 10:54	22° \mathcal{Q} 32'40	
evening set	-9586 May 05 j 21:38	12° \mathcal{H} 56'39					
max. Earth dist.	-9586 May 18 j 08:10	15° \mathcal{H} 42'23	6.30908 AU	conjunction	-9581 Oct 24 j 06:53	25° \mathcal{Q} 32'31	0°34'18
				minimum elong	-9581 Oct 24 j 06:56	25° \mathcal{Q} 32'33	0°34'40
conjunction	-9586 May 19 j 05:00	15° \mathcal{H} 53'58	-0°00'00	max. Earth dist.	-9581 Oct 24 j 15:52	25° \mathcal{Q} 37'47	6.12534 AU
minimum elong	-9586 May 19 j 04:59	15° \mathcal{H} 53'58	0°00'13	morning rise	-9581 Nov 06 j 05:58	28° \mathcal{Q} 34'06	
behind sun begin	-9586 May 18 j 20:54	15° \mathcal{H} 49'29			-9581 Nov 12 j 10:31	0° \mathbb{M}	
behind sun end	-9586 May 19 j 13:05	15° \mathcal{H} 58'26		retrograde	-9580 Mar 15 j 18:49	18° \mathbb{M} 07'47	
asc. node	-9586 May 19 j 04:25	15° \mathcal{H} 53'40		opposition	-9580 May 15 j 19:26	13° \mathbb{M} 06'24	0°07'22
morning rise	-9586 Jun 01 j 09:04	18° \mathcal{H} 49'31		min. Earth dist.	-9580 May 15 j 05:55	13° \mathbb{M} 10'52	4.09425 AU
	-9586 Jul 26 j 15:21	0° \mathbb{Y}		desc. node	-9580 Jun 17 j 21:02	9° \mathbb{M} 19'01	
retrograde	-9586 Sep 30 j 03:48	6° \mathbb{Y} 11'54		direct	-9580 Jul 13 j 17:14	8° \mathbb{M} 13'09	
opposition	-9586 Nov 28 j 23:08	1° \mathbb{Y} 18'32	0°38'19	evening set	-9580 Nov 13 j 22:33	26° \mathbb{M} 58'19	
min. Earth dist.	-9586 Nov 29 j 17:14	1° \mathbb{Y} 12'39	4.32993 AU		-9580 Nov 26 j 20:05	0° \mathcal{Q}	
	-9586 Dec 09 j 03:17	30° $\mathcal{R}\mathcal{H}$					
direct	-9585 Jan 30 j 03:47	26° \mathcal{H} 15'33		conjunction	-9580 Nov 27 j 04:07	0° \mathcal{Q} 04'43	-0°23'56
	-9585 Mar 22 j 19:05	0° \mathbb{Y}		minimum elong	-9580 Nov 27 j 04:05	0° \mathcal{Q} 04'42	0°23'52
evening set	-9585 Jun 07 j 08:45	14° \mathbb{Y} 27'57		max. Earth dist.	-9580 Nov 28 j 06:23	0° \mathcal{Q} 20'10	6.07228 AU
max. Earth dist.	-9585 Jun 19 j 01:02	17° \mathbb{Y} 03'29	6.34017 AU	morning rise	-9580 Dec 10 j 13:12	3° \mathcal{Q} 13'01	
				retrograde	-9579 Apr 21 j 05:20	23° \mathcal{Q} 10'14	
conjunction	-9585 Jun 20 j 06:36	17° \mathbb{Y} 19'57	0°51'35	opposition	-9579 Jun 20 j 12:13	18° \mathcal{Q} 05'55	-1°17'42
minimum elong	-9585 Jun 20 j 06:32	17° \mathbb{Y} 19'55	0°51'41	min. Earth dist.	-9579 Jun 19 j 15:24	18° \mathcal{Q} 12'56	4.06218 AU
morning rise	-9585 Jul 03 j 01:00	20° \mathbb{Y} 10'17		direct	-9579 Aug 17 j 18:05	13° \mathcal{Q} 10'33	
	-9585 Aug 19 j 17:35	0° \mathcal{B}			-9579 Dec 10 j 14:01	0° \mathbb{M}	

Planetary Phenomena of Jupiter from -9900 through -9398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 29

Attention, astronomical year style is used: The year -9579 in astronomical counting style is the year 9580 BCE in historical counting style.

evening set	-9579 Dec 20 j 02:43	2°♄12'13		max. Earth dist.	-9573 Jun 23 j 05:47	21°♃24'37	6.34694 AU
conjunction	-9578 Jan 02 j 15:31	5°♄21'59	-1°14'13	conjunction	-9573 Jun 24 j 13:54	21°♃42'29	0°57'43
minimum elong	-9578 Jan 02 j 15:25	5°♄21'56	1°14'28	minimum elong	-9573 Jun 24 j 13:49	21°♃42'26	0°57'51
max. Earth dist.	-9578 Jan 04 j 02:36	5°♄42'31	6.06331 AU	morning rise	-9573 Jul 07 j 07:07	24°♃32'01	
morning rise	-9578 Jan 16 j 07:04	8°♄33'10			-9573 Aug 01 j 16:11	0°♂	
	-9578 Feb 13 j 21:03	15°♄		retrograde	-9573 Nov 05 j 04:08	11°♂48'08	
retrograde	-9578 May 27 j 01:59	28°♄24'56		opposition	-9572 Jan 04 j 17:45	6°♂56'28	1°52'19
opposition	-9578 Jul 25 j 16:06	23°♄19'57	-2°14'32	min. Earth dist.	-9572 Jan 05 j 17:28	6°♂48'54	4.34355 AU
min. Earth dist.	-9578 Jul 24 j 18:19	23°♄27'23	4.07892 AU	direct	-9572 Mar 07 j 06:56	1°♂56'21	
direct	-9578 Sep 21 j 21:37	18°♄21'22			-9572 Jun 19 j 03:19	15°♂	
	-9578 Dec 23 j 08:03	0°♂		evening set	-9572 Jul 12 j 02:30	19°♂59'40	
evening set	-9577 Jan 26 j 03:02	7°♂29'44		max. Earth dist.	-9572 Jul 23 j 07:16	22°♂30'12	6.32698 AU
conjunction	-9577 Feb 08 j 19:24	10°♂39'08	-1°37'17	conjunction	-9572 Jul 24 j 14:40	22°♂47'51	1°30'59
minimum elong	-9577 Feb 08 j 19:23	10°♂39'07	1°37'47	minimum elong	-9572 Jul 24 j 14:37	22°♂47'49	1°31'24
max. Earth dist.	-9577 Feb 10 j 00:57	10°♂56'12	6.10310 AU	morning rise	-9572 Aug 06 j 00:44	25°♂35'07	
morning rise	-9577 Feb 22 j 13:03	13°♂49'00			-9572 Aug 26 j 04:10	0°♄	
	-9577 May 17 j 01:08	0°♂		retrograde	-9572 Dec 06 j 15:34	13°♄12'09	
retrograde	-9577 Jun 30 j 17:28	3°♂06'38		opposition	-9571 Feb 05 j 19:46	8°♄20'01	2°23'54
	-9577 Aug 14 j 06:25	30°♂		min. Earth dist.	-9571 Feb 06 j 16:10	8°♄13'33	4.30295 AU
opposition	-9577 Aug 28 j 20:56	28°♂03'22	-2°22'06	direct	-9571 Apr 08 j 21:55	3°♄23'02	
min. Earth dist.	-9577 Aug 28 j 06:17	28°♂08'23	4.13848 AU	evening set	-9571 Aug 12 j 07:08	21°♄29'12	
direct	-9577 Oct 26 j 21:42	23°♂01'32					
	-9576 Jan 04 j 16:07	0°♂		conjunction	-9571 Aug 24 j 16:10	24°♄18'16	1°37'53
evening set	-9576 Mar 02 j 16:52	12°♂01'59		minimum elong	-9571 Aug 24 j 16:11	24°♄18'16	1°38'26
conjunction	-9576 Mar 16 j 09:57	15°♂08'28	-1°25'32	max. Earth dist.	-9571 Aug 23 j 16:43	24°♄04'53	6.26818 AU
minimum elong	-9576 Mar 16 j 10:02	15°♂08'31	1°26'06	morning rise	-9571 Sep 06 j 01:06	27°♄07'23	
max. Earth dist.	-9576 Mar 17 j 01:38	15°♂17'23	6.17743 AU		-9571 Sep 18 j 20:48	0°♄	
morning rise	-9576 Mar 30 j 01:54	18°♂14'17		retrograde	-9570 Jan 09 j 12:32	15°♄22'30	
	-9576 May 25 j 23:36	0°♄		opposition	-9570 Mar 11 j 22:42	10°♄28'05	2°12'46
retrograde	-9576 Aug 01 j 22:53	6°♄42'41		min. Earth dist.	-9570 Mar 12 j 10:53	10°♄24'12	4.22985 AU
opposition	-9576 Sep 30 j 00:13	1°♄42'53	-1°41'14	direct	-9570 May 12 j 02:44	5°♄33'43	
min. Earth dist.	-9576 Sep 29 j 20:45	1°♄44'04	4.21962 AU	evening set	-9570 Sep 13 j 01:10	23°♄49'55	
	-9576 Oct 12 j 23:27	30°♂		conjunction	-9570 Sep 25 j 14:02	26°♄43'56	1°14'49
direct	-9576 Nov 29 j 05:33	26°♂39'01		minimum elong	-9570 Sep 25 j 14:07	26°♄43'59	1°15'22
	-9575 Jan 15 j 19:37	0°♄		max. Earth dist.	-9570 Sep 25 j 06:25	26°♄39'31	6.18734 AU
	-9575 Apr 05 j 07:58	15°♄		morning rise	-9570 Oct 08 j 04:37	29°♄39'00	
evening set	-9575 Apr 06 j 22:16	15°♄21'16			-9570 Oct 09 j 17:07	0°♄	
					-9570 Dec 25 j 12:00	15°♄	
conjunction	-9575 Apr 20 j 11:49	18°♄23'03	-0°45'36	retrograde	-9569 Feb 13 j 16:12	18°♄39'47	
minimum elong	-9575 Apr 20 j 11:53	18°♄23'06	0°46'01		-9569 Apr 05 j 20:42	15°♄	
max. Earth dist.	-9575 Apr 20 j 06:09	18°♄19'53	6.25947 AU	opposition	-9569 Apr 16 j 01:26	13°♄41'48	1°18'23
morning rise	-9575 May 03 j 22:50	21°♄23'25		min. Earth dist.	-9569 Apr 15 j 23:22	13°♄42'28	4.14654 AU
	-9575 Jun 13 j 18:10	0°♂		direct	-9569 Jun 14 j 22:28	8°♄48'53	
retrograde	-9575 Sep 02 j 23:39	9°♂07'15			-9569 Aug 18 j 14:56	15°♄	
opposition	-9575 Nov 01 j 08:32	4°♂11'13	-0°29'45	evening set	-9569 Oct 16 j 02:34	27°♄20'42	
min. Earth dist.	-9575 Nov 01 j 17:47	4°♂08'09	4.29456 AU		-9569 Oct 27 j 10:44	0°♄	
	-9575 Dec 08 j 21:59	30°♂		conjunction	-9569 Oct 29 j 00:01	0°♄21'53	0°26'38
direct	-9574 Jan 01 j 19:30	29°♄07'03		minimum elong	-9569 Oct 29 j 00:03	0°♄21'54	0°26'58
	-9574 Jan 25 j 22:28	0°♂		max. Earth dist.	-9569 Oct 29 j 11:43	0°♄28'45	6.10987 AU
asc. node	-9574 Mar 28 j 21:06	8°♂36'43		morning rise	-9569 Nov 11 j 00:37	3°♄24'51	
evening set	-9574 May 10 j 12:23	17°♂29'46		retrograde	-9568 Mar 20 j 22:43	23°♄05'49	
conjunction	-9574 May 23 j 18:33	20°♂26'00	0°07'39	desc. node	-9568 Apr 28 j 17:51	20°♄48'57	
minimum elong	-9574 May 23 j 18:32	20°♂26'00	0°07'29	opposition	-9568 May 20 j 19:24	18°♄03'57	-0°04'56
behind sun begin	-9574 May 23 j 11:09	20°♂21'55		min. Earth dist.	-9568 May 20 j 04:56	18°♄08'45	4.08094 AU
behind sun end	-9574 May 24 j 01:56	20°♂30'06		direct	-9568 Jul 18 j 14:07	13°♄10'32	
max. Earth dist.	-9574 May 22 j 21:26	20°♂14'17	6.32217 AU		-9568 Nov 10 j 07:12	0°♄	
morning rise	-9574 Jun 05 j 21:02	23°♂20'25		evening set	-9568 Nov 18 j 22:32	2°♄00'36	
	-9574 Jul 07 j 03:18	0°♃		conjunction	-9568 Dec 02 j 05:27	5°♄08'01	-0°31'57
retrograde	-9574 Oct 04 j 10:58	10°♃38'24		minimum elong	-9568 Dec 02 j 05:24	5°♄07'59	0°31'56
opposition	-9574 Dec 03 j 09:49	5°♃45'21	0°48'42	max. Earth dist.	-9568 Dec 03 j 10:29	5°♄25'06	6.06245 AU
min. Earth dist.	-9574 Dec 04 j 04:15	5°♃39'23	4.34041 AU	morning rise	-9568 Dec 15 j 15:52	8°♄17'19	
direct	-9573 Feb 03 j 16:14	0°♃42'40		retrograde	-9567 Apr 26 j 09:12	28°♄17'43	
evening set	-9573 Jun 11 j 17:39	18°♃51'25					

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Attention, astronomical year style is used: The year -9567 in astronomical counting style is the year 9568 BCE in historical counting style.

opposition	-9567 Jun 25 j 13:06	23°♌13'10	-1°28'08	direct	-9561 Feb 08 j 07:16	5°♑14'21	
min. Earth dist.	-9567 Jun 24 j 14:45	23°♌20'43	4.05718 AU	evening set	-9561 Jun 16 j 04:37	23°♑21'42	
direct	-9567 Aug 22 j 16:00	18°♌17'27					
	-9567 Nov 22 j 13:51	0°♍		conjunction	-9561 Jun 28 j 23:42	26°♑12'13	1°03'41
evening set	-9567 Dec 25 j 08:51	7°♍22'16		minimum elong	-9561 Jun 28 j 23:37	26°♑12'10	1°03'52
				max. Earth dist.	-9561 Jun 27 j 16:02	25°♑54'34	6.34682 AU
conjunction	-9566 Jan 07 j 22:19	10°♍32'20	-1°19'27	morning rise	-9561 Jul 11 j 15:32	29°♑01'12	
minimum elong	-9566 Jan 07 j 22:13	10°♍32'17	1°19'46		-9561 Jul 16 j 02:07	0°♒	
max. Earth dist.	-9566 Jan 09 j 09:17	10°♍52'48	6.06322 AU		-9561 Oct 11 j 11:19	15°♒	
morning rise	-9566 Jan 21 j 14:34	13°♍43'43		retrograde	-9561 Nov 09 j 15:40	16°♒18'59	
	-9566 Jan 27 j 02:36	15°♍			-9561 Dec 09 j 00:31	15°♒♄	
	-9566 Apr 13 j 22:22	0°♒		opposition	-9560 Jan 09 j 08:14	11°♒27'23	1°59'01
retrograde	-9566 Jun 01 j 02:41	3°♒33'05		min. Earth dist.	-9560 Jan 10 j 07:38	11°♒19'56	4.33990 AU
	-9566 Jul 19 j 06:20	30°♒♍		direct	-9560 Mar 11 j 20:14	6°♒27'42	
opposition	-9566 Jul 30 j 15:15	28°♒28'05	-2°18'49		-9560 May 31 j 21:25	15°♒	
min. Earth dist.	-9566 Jul 29 j 17:34	28°♒35'30	4.08370 AU	evening set	-9560 Jul 16 j 12:15	24°♒31'11	
direct	-9566 Sep 26 j 22:57	23°♒28'58					
	-9566 Dec 02 j 03:09	0°♒		conjunction	-9560 Jul 28 j 23:29	27°♒19'16	1°33'42
evening set	-9565 Jan 31 j 09:42	12°♒37'10		minimum elong	-9560 Jul 28 j 23:26	27°♒19'14	1°34'08
				max. Earth dist.	-9560 Jul 27 j 15:24	27°♒01'12	6.31990 AU
conjunction	-9565 Feb 14 j 02:32	15°♒46'18	-1°37'41		-9560 Aug 09 j 21:21	0°♓	
minimum elong	-9565 Feb 14 j 02:32	15°♒46'18	1°38'12	morning rise	-9560 Aug 10 j 09:09	0°♓06'36	
max. Earth dist.	-9565 Feb 15 j 08:45	16°♒03'43	6.11208 AU	retrograde	-9560 Dec 11 j 09:32	17°♓48'27	
morning rise	-9565 Feb 27 j 19:59	18°♒55'41		opposition	-9559 Feb 10 j 14:00	12°♓56'06	2°25'03
	-9565 Apr 20 j 21:15	0°♓		min. Earth dist.	-9559 Feb 11 j 10:22	12°♓49'39	4.29297 AU
retrograde	-9565 Jul 05 j 14:13	8°♓06'28		direct	-9559 Apr 13 j 14:32	7°♓59'29	
opposition	-9565 Sep 02 j 16:14	3°♓03'35	-2°18'54	evening set	-9559 Aug 16 j 17:50	26°♓07'10	
min. Earth dist.	-9565 Sep 02 j 02:40	3°♓08'13	4.15034 AU	max. Earth dist.	-9559 Aug 28 j 06:10	28°♓44'47	6.25625 AU
	-9565 Sep 26 j 20:38	30°♒♒					
direct	-9565 Oct 31 j 20:43	28°♒01'21		conjunction	-9559 Aug 29 j 03:10	28°♓56'47	1°36'25
	-9565 Dec 06 j 06:25	0°♓		minimum elong	-9559 Aug 29 j 03:11	28°♓56'48	1°36'59
evening set	-9564 Mar 07 j 19:39	16°♓58'56			-9559 Sep 02 j 17:40	0°♔	
				morning rise	-9559 Sep 10 j 12:28	1°♔46'35	
conjunction	-9564 Mar 21 j 12:20	20°♓04'44	-1°21'15	retrograde	-9558 Jan 14 j 09:34	20°♔08'24	
minimum elong	-9564 Mar 21 j 12:25	20°♓04'47	1°21'48	opposition	-9558 Mar 16 j 21:00	15°♔13'34	2°07'31
max. Earth dist.	-9564 Mar 22 j 00:18	20°♓11'31	6.19080 AU	min. Earth dist.	-9558 Mar 17 j 06:40	15°♔10'29	4.21696 AU
morning rise	-9564 Apr 04 j 03:55	23°♓09'47		direct	-9558 May 16 j 20:04	10°♔19'34	
	-9564 May 05 j 14:54	0°♔		evening set	-9558 Sep 17 j 15:58	28°♔38'06	
retrograde	-9564 Aug 06 j 12:52	11°♔30'29			-9558 Sep 23 j 13:34	0°♕	
opposition	-9564 Oct 04 j 15:29	6°♔31'10	-1°32'23				
min. Earth dist.	-9564 Oct 04 j 13:47	6°♔31'44	4.23291 AU	conjunction	-9558 Sep 30 j 05:45	1°♕33'04	1°09'16
direct	-9564 Dec 04 j 01:30	1°♔27'04		minimum elong	-9558 Sep 30 j 05:50	1°♕33'07	1°09'46
	-9563 Mar 19 j 06:47	15°♔		max. Earth dist.	-9558 Sep 30 j 00:47	1°♕30'11	6.17490 AU
evening set	-9563 Apr 11 j 18:48	20°♔05'45		morning rise	-9558 Oct 12 j 21:36	4°♕29'14	
					-9558 Nov 30 j 18:53	15°♕	
conjunction	-9563 Apr 25 j 07:37	23°♔06'43	-0°38'28	retrograde	-9557 Feb 18 j 19:44	23°♕36'34	
minimum elong	-9563 Apr 25 j 07:41	23°♔06'45	0°38'52	opposition	-9557 Apr 21 j 02:58	18°♕38'02	1°07'45
max. Earth dist.	-9563 Apr 25 j 00:19	23°♔02'38	6.27177 AU	min. Earth dist.	-9557 Apr 20 j 23:09	18°♕39'16	4.13555 AU
morning rise	-9563 May 08 j 17:28	26°♔06'08			-9557 May 22 j 20:04	15°♒♕	
	-9563 May 26 j 13:49	0°♒		direct	-9557 Jun 19 j 20:37	13°♕45'09	
retrograde	-9563 Sep 07 j 10:59	13°♒44'22			-9557 Jul 17 j 15:26	15°♕	
opposition	-9563 Nov 05 j 21:27	8°♒48'52	-0°18'32		-9557 Oct 10 j 22:13	0°♎	
min. Earth dist.	-9563 Nov 06 j 08:13	8°♒45'19	4.30469 AU	evening set	-9557 Oct 20 j 23:01	2°♎19'24	
direct	-9562 Jan 06 j 11:33	3°♒44'49					
asc. node	-9562 Feb 05 j 07:57	5°♒04'29		conjunction	-9557 Nov 02 j 21:54	5°♎21'34	0°18'29
evening set	-9562 May 15 j 03:13	22°♒04'35		minimum elong	-9557 Nov 02 j 21:56	5°♎21'35	0°18'48
max. Earth dist.	-9562 May 27 j 07:23	24°♒46'20	6.32922 AU	max. Earth dist.	-9557 Nov 03 j 13:23	5°♎30'39	6.10175 AU
				morning rise	-9557 Nov 15 j 23:59	8°♎25'33	
conjunction	-9562 May 28 j 07:57	24°♒59'58	0°15'14	desc. node	-9556 Mar 08 j 06:28	27°♎40'12	
minimum elong	-9562 May 28 j 07:55	24°♒59'57	0°15'07	retrograde	-9556 Mar 26 j 02:45	28°♎10'09	
behind sun begin	-9562 May 28 j 05:12	24°♒58'27		opposition	-9556 May 25 j 21:35	23°♎07'50	-0°17'31
behind sun end	-9562 May 28 j 10:39	25°♒01'28		min. Earth dist.	-9556 May 25 j 05:03	23°♎13'19	4.07671 AU
morning rise	-9562 Jun 10 j 09:15	27°♒53'35		direct	-9556 Jul 23 j 12:36	18°♎14'14	
	-9562 Jun 20 j 00:04	0°♑			-9556 Oct 23 j 15:17	0°♏	
retrograde	-9562 Oct 08 j 22:05	15°♑09'35		evening set	-9556 Nov 24 j 00:29	7°♏05'49	
opposition	-9562 Dec 07 j 22:37	10°♑16'48	0°59'01				
min. Earth dist.	-9562 Dec 08 j 18:41	10°♑10'19	4.34404 AU	conjunction	-9556 Dec 07 j 08:21	10°♏13'40	-0°39'49

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Attention, astronomical year style is used: The year -9556 in astronomical counting style is the year 9557 BCE in historical counting style.

minimum elong	-9556 Dec 07 j 08:17	10°♄13'38	0°39'51	morning rise	-9550 Jun 14 j 19:45	2°♃22'54	
max. Earth dist.	-9556 Dec 08 j 14:24	10°♄31'21	6.06228 AU	retrograde	-9550 Oct 13 j 08:40	19°♃38'58	
morning rise	-9556 Dec 20 j 19:52	13°♄23'24		opposition	-9550 Dec 12 j 10:53	14°♃46'32	1°08'53
	-9555 Mar 15 j 02:53	0°♄		min. Earth dist.	-9550 Dec 13 j 07:58	14°♃39'44	4.34244 AU
retrograde	-9555 May 01 j 10:08	3°♄22'55		direct	-9549 Feb 12 j 20:34	9°♃44'30	
	-9555 Jun 17 j 18:05	30°♄		evening set	-9549 Jun 20 j 15:32	27°♃52'12	
opposition	-9555 Jun 30 j 13:01	28°♄18'05	-1°37'47		-9549 Jun 30 j 05:23	0°♄	
min. Earth dist.	-9555 Jun 29 j 13:59	28°♄25'53	4.06116 AU	max. Earth dist.	-9549 Jul 01 j 24:00	0°♄23'47	6.34196 AU
direct	-9555 Aug 27 j 16:21	23°♄21'53					
	-9555 Nov 01 j 23:18	0°♄		conjunction	-9549 Jul 03 j 09:18	0°♄42'22	1°09'14
evening set	-9555 Dec 30 j 13:11	12°♄26'37		minimum elong	-9549 Jul 03 j 09:13	0°♄42'19	1°09'28
	-9554 Jan 10 j 12:42	15°♄		morning rise	-9549 Jul 16 j 00:15	3°♄31'08	
					-9549 Sep 11 j 01:20	15°♄	
conjunction	-9554 Jan 13 j 03:23	15°♄36'35	-1°24'00	retrograde	-9549 Nov 14 j 06:16	20°♄52'19	
minimum elong	-9554 Jan 13 j 03:18	15°♄36'32	1°24'23	opposition	-9548 Jan 14 j 00:06	16°♄00'43	2°05'02
max. Earth dist.	-9554 Jan 14 j 15:44	15°♄57'47	6.07083 AU	min. Earth dist.	-9548 Jan 14 j 23:24	15°♄53'18	4.33246 AU
morning rise	-9554 Jan 26 j 19:47	18°♄47'39			-9548 Jan 22 j 00:08	15°♄	
	-9554 Mar 19 j 20:03	0°♄		direct	-9548 Mar 16 j 11:14	11°♄01'29	
retrograde	-9554 Jun 06 j 00:38	8°♄31'38			-9548 May 08 j 16:29	15°♄	
opposition	-9554 Aug 04 j 10:47	3°♄26'50	-2°21'54	evening set	-9548 Jul 20 j 22:47	29°♄06'11	
min. Earth dist.	-9554 Aug 03 j 14:20	3°♄33'49	4.09422 AU		-9548 Jul 24 j 22:42	0°♄	
	-9554 Sep 01 j 09:57	30°♄		max. Earth dist.	-9548 Aug 01 j 04:17	1°♄37'51	6.31046 AU
direct	-9554 Oct 01 j 21:05	28°♄27'15					
	-9554 Nov 01 j 13:50	0°♄		conjunction	-9548 Aug 02 j 09:32	1°♄54'23	1°35'50
evening set	-9553 Feb 05 j 12:37	17°♄33'35		minimum elong	-9548 Aug 02 j 09:29	1°♄54'21	1°36'17
				morning rise	-9548 Aug 14 j 18:37	4°♄41'53	
conjunction	-9553 Feb 19 j 05:25	20°♄42'12	-1°37'22	retrograde	-9548 Dec 16 j 03:23	22°♄29'16	
minimum elong	-9553 Feb 19 j 05:26	20°♄42'13	1°37'55	opposition	-9547 Feb 15 j 09:58	17°♄36'42	2°25'15
max. Earth dist.	-9553 Feb 20 j 08:02	20°♄57'29	6.12427 AU	min. Earth dist.	-9547 Feb 16 j 04:33	17°♄30'48	4.28235 AU
morning rise	-9553 Mar 04 j 22:54	23°♄50'59		direct	-9547 Apr 18 j 07:19	12°♄40'34	
	-9553 Apr 01 j 16:27	0°♄			-9547 Apr 17 j 14:39	0°♄	
retrograde	-9553 Jul 10 j 04:32	12°♄54'17		evening set	-9547 Aug 21 j 06:16	0°♄49'41	
opposition	-9553 Sep 07 j 07:01	7°♄51'49	-2°14'51				
min. Earth dist.	-9553 Sep 06 j 18:51	7°♄55'59	4.16296 AU	conjunction	-9547 Sep 02 j 15:41	3°♄39'50	1°34'17
direct	-9553 Nov 05 j 15:06	2°♄49'11		minimum elong	-9547 Sep 02 j 15:44	3°♄39'52	1°34'52
evening set	-9552 Mar 12 j 17:44	21°♄44'09		max. Earth dist.	-9547 Sep 01 j 20:18	3°♄28'43	6.24527 AU
				morning rise	-9547 Sep 15 j 01:40	6°♄30'21	
conjunction	-9552 Mar 26 j 10:13	24°♄49'21	-1°16'35	retrograde	-9546 Jan 19 j 09:20	24°♄58'20	
minimum elong	-9552 Mar 26 j 10:18	24°♄49'24	1°17'07	opposition	-9546 Mar 21 j 20:32	20°♄02'59	2°01'18
max. Earth dist.	-9552 Mar 26 j 19:16	24°♄54'28	6.20295 AU	min. Earth dist.	-9546 Mar 22 j 04:12	20°♄00'32	4.20625 AU
morning rise	-9552 Apr 09 j 01:09	27°♄53'38		direct	-9546 May 21 j 16:06	15°♄09'11	
	-9552 Apr 18 j 12:06	0°♄			-9546 Sep 07 j 00:35	0°♄	
	-9552 Jul 15 j 15:35	15°♄		evening set	-9546 Sep 22 j 07:35	3°♄29'08	
retrograde	-9552 Aug 11 j 00:58	16°♄07'48					
	-9552 Sep 06 j 04:59	15°♄		conjunction	-9546 Oct 04 j 22:35	6°♄25'00	1°03'10
opposition	-9552 Oct 09 j 03:16	11°♄09'05	-1°23'16	minimum elong	-9546 Oct 04 j 22:39	6°♄25'03	1°03'40
min. Earth dist.	-9552 Oct 09 j 04:10	11°♄08'47	4.24331 AU	max. Earth dist.	-9546 Oct 04 j 21:45	6°♄24'32	6.16548 AU
direct	-9552 Dec 08 j 17:23	6°♄04'55		morning rise	-9546 Oct 17 j 15:37	9°♄22'09	
	-9551 Feb 28 j 22:53	15°♄			-9546 Nov 11 j 15:34	15°♄	
evening set	-9551 Apr 16 j 11:42	24°♄41'19		retrograde	-9545 Feb 23 j 22:22	28°♄34'33	
				opposition	-9545 Apr 26 j 04:25	23°♄35'27	0°56'35
conjunction	-9551 Apr 29 j 23:39	27°♄41'39	-0°31'19	min. Earth dist.	-9545 Apr 25 j 22:29	23°♄37'23	4.12805 AU
minimum elong	-9551 Apr 29 j 23:42	27°♄41'41	0°31'41	direct	-9545 Jun 24 j 17:45	18°♄42'37	
max. Earth dist.	-9551 Apr 29 j 12:31	27°♄35'27	6.27959 AU		-9545 Sep 23 j 07:52	0°♄	
	-9551 May 10 j 07:51	0°♄		evening set	-9545 Oct 25 j 19:28	7°♄18'10	
morning rise	-9551 May 13 j 08:35	0°♄40'23					
retrograde	-9551 Sep 11 j 19:59	18°♄15'08		conjunction	-9545 Nov 07 j 19:30	10°♄21'06	0°10'14
opposition	-9551 Nov 10 j 08:16	13°♄20'04	-0°07'30	minimum elong	-9545 Nov 07 j 19:31	10°♄21'07	0°10'30
min. Earth dist.	-9551 Nov 10 j 20:35	13°♄16'01	4.30951 AU	behind sun begin	-9545 Nov 07 j 13:08	10°♄17'23	
asc. node	-9551 Dec 17 j 06:06	9°♄12'44		behind sun end	-9545 Nov 08 j 01:54	10°♄24'51	
direct	-9550 Jan 11 j 00:52	8°♄16'10		max. Earth dist.	-9545 Nov 08 j 12:31	10°♄31'05	6.09664 AU
evening set	-9550 May 19 j 16:16	26°♄35'03		morning rise	-9545 Nov 20 j 23:05	13°♄25'57	
				desc. node	-9544 Jan 16 j 12:10	25°♄31'34	
conjunction	-9550 Jun 01 j 19:48	29°♄29'52	0°22'36		-9544 Feb 13 j 17:08	0°♄	
minimum elong	-9550 Jun 01 j 19:46	29°♄29'51	0°22'31	retrograde	-9544 Mar 31 j 04:37	3°♄13'07	
max. Earth dist.	-9550 May 31 j 18:08	29°♄15'36	6.33078 AU		-9544 May 16 j 20:52	30°♄	
	-9550 Jun 04 j 02:01	0°♄		opposition	-9544 May 30 j 22:30	28°♄10'17	-0°29'54

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Attention, astronomical year style is used: The year -9544 in astronomical counting style is the year 9545 BCE in historical counting style.

min. Earth dist.	-9544 May 30 j 04:23	28°♎16'19	4.07440 AU	max. Earth dist.	-9538 Jun 05 j 04:53	3°♊46'43	6.33278 AU
direct	-9544 Jul 28 j 11:14	23°♎16'23					
	-9544 Oct 03 j 06:35	0°♏		conjunction	-9538 Jun 06 j 08:11	4°♊01'53	0°29'57
evening set	-9544 Nov 29 j 01:38	12°♏09'12		minimum elong	-9538 Jun 06 j 08:09	4°♊01'52	0°29'55
				morning rise	-9538 Jun 19 j 06:53	6°♊54'19	
conjunction	-9544 Dec 12 j 10:41	15°♏17'27	-0°47'21	retrograde	-9538 Oct 17 j 19:44	24°♊10'25	
minimum elong	-9544 Dec 12 j 10:36	15°♏17'24	0°47'25	opposition	-9538 Dec 17 j 00:39	19°♊18'10	1°18'28
max. Earth dist.	-9544 Dec 13 j 19:28	15°♏36'43	6.06298 AU	min. Earth dist.	-9538 Dec 17 j 21:45	19°♊11'23	4.34194 AU
morning rise	-9544 Dec 25 j 22:56	18°♏27'28		direct	-9537 Feb 17 j 10:45	14°♊16'30	
	-9543 Feb 17 j 08:58	0°♎			-9537 Jun 14 j 04:45	0°♋	
retrograde	-9543 May 06 j 11:58	8°♎25'42		evening set	-9537 Jun 25 j 02:50	2°♋23'51	
opposition	-9543 Jul 05 j 11:25	3°♎20'45	-1°46'39	max. Earth dist.	-9537 Jul 06 j 11:25	4°♋55'42	6.33910 AU
min. Earth dist.	-9543 Jul 04 j 13:01	3°♎28'21	4.06506 AU				
	-9543 Aug 01 j 16:27	30°♋♏		conjunction	-9537 Jul 07 j 19:24	5°♋13'34	1°14'27
direct	-9543 Sep 01 j 15:15	28°♏24'07		minimum elong	-9537 Jul 07 j 19:19	5°♋13'32	1°14'44
	-9543 Oct 02 j 15:11	0°♎		morning rise	-9537 Jul 20 j 09:08	8°♋01'57	
	-9543 Dec 24 j 21:18	15°♎			-9537 Aug 21 j 23:29	15°♋	
evening set	-9542 Jan 04 j 16:58	17°♎29'09		retrograde	-9537 Nov 18 j 20:37	25°♋25'51	
				opposition	-9536 Jan 18 j 16:32	20°♋34'16	2°10'20
conjunction	-9542 Jan 18 j 07:32	20°♎38'59	-1°27'57	min. Earth dist.	-9536 Jan 19 j 15:33	20°♋26'58	4.32766 AU
minimum elong	-9542 Jan 18 j 07:28	20°♎38'56	1°28'20	direct	-9536 Mar 21 j 03:13	15°♋35'33	
max. Earth dist.	-9542 Jan 19 j 17:56	20°♎59'00	6.07729 AU		-9536 Jul 08 j 18:07	0°♌	
morning rise	-9542 Feb 01 j 00:27	23°♎49'53		evening set	-9536 Jul 25 j 09:16	3°♌40'18	
	-9542 Feb 28 j 11:10	0°♌					
retrograde	-9542 Jun 10 j 19:53	13°♌28'59		conjunction	-9536 Aug 06 j 19:18	6°♌28'27	1°37'24
min. Earth dist.	-9542 Aug 08 j 09:20	8°♌31'14	4.10282 AU	minimum elong	-9536 Aug 06 j 19:16	6°♌28'26	1°37'54
opposition	-9542 Aug 09 j 05:25	8°♌24'21	-2°24'01	max. Earth dist.	-9536 Aug 05 j 14:21	6°♌12'05	6.30401 AU
direct	-9542 Oct 06 j 17:27	3°♌24'16		morning rise	-9536 Aug 19 j 04:13	9°♌16'06	
evening set	-9541 Feb 10 j 14:55	22°♌29'31		retrograde	-9536 Dec 20 j 21:24	27°♌07'59	
				opposition	-9535 Feb 20 j 05:28	22°♌15'04	2°24'32
conjunction	-9541 Feb 24 j 07:57	25°♌37'46	-1°36'24	min. Earth dist.	-9535 Feb 20 j 22:14	22°♌09'45	4.27474 AU
minimum elong	-9541 Feb 24 j 07:59	25°♌37'47	1°36'58	direct	-9535 Apr 22 j 23:47	17°♌19'19	
max. Earth dist.	-9541 Feb 25 j 08:32	25°♌51'52	6.13436 AU		-9535 Aug 01 j 00:34	0°♍	
morning rise	-9541 Mar 10 j 01:11	28°♌46'00		evening set	-9535 Aug 25 j 17:20	5°♍28'46	
	-9541 Mar 15 j 11:51	0°♍		max. Earth dist.	-9535 Sep 06 j 11:43	8°♍10'29	6.23724 AU
retrograde	-9541 Jul 14 j 21:04	17°♍42'44					
opposition	-9541 Sep 11 j 22:15	12°♍40'43	-2°09'57	conjunction	-9535 Sep 07 j 03:16	8°♍19'25	1°31'35
min. Earth dist.	-9541 Sep 11 j 12:42	12°♍43'58	4.17339 AU	minimum elong	-9535 Sep 07 j 03:19	8°♍19'27	1°32'09
direct	-9541 Nov 10 j 10:45	7°♍37'47		morning rise	-9535 Sep 19 j 13:40	11°♍10'31	
evening set	-9540 Mar 17 j 16:09	26°♍30'38		retrograde	-9534 Jan 24 j 07:21	29°♍43'35	
				opposition	-9534 Mar 26 j 18:31	24°♍47'48	1°54'20
conjunction	-9540 Mar 31 j 08:19	29°♍35'18	-1°11'24	min. Earth dist.	-9534 Mar 27 j 00:33	24°♍45'52	4.19818 AU
minimum elong	-9540 Mar 31 j 08:24	29°♍35'21	1°11'55	direct	-9534 May 26 j 10:26	19°♍54'17	
max. Earth dist.	-9540 Mar 31 j 14:22	29°♍38'43	6.21299 AU		-9534 Aug 20 j 11:13	0°♎	
	-9540 Apr 02 j 04:07	0°♏		evening set	-9534 Sep 26 j 21:42	8°♎14'53	
morning rise	-9540 Apr 13 j 22:40	2°♏38'57					
	-9540 Jun 13 j 21:19	15°♏		conjunction	-9534 Oct 09 j 13:34	11°♎11'31	0°56'45
retrograde	-9540 Aug 15 j 11:46	20°♏47'14		minimum elong	-9534 Oct 09 j 13:39	11°♎11'34	0°57'14
opposition	-9540 Oct 13 j 15:53	15°♏49'01	-1°13'35	max. Earth dist.	-9534 Oct 09 j 13:59	11°♎11'45	6.15806 AU
min. Earth dist.	-9540 Oct 13 j 17:56	15°♏48'20	4.25209 AU	morning rise	-9534 Oct 22 j 08:02	14°♎09'35	
	-9540 Oct 19 j 18:50	15°♏			-9534 Oct 25 j 23:27	15°♎	
direct	-9540 Dec 13 j 09:03	10°♏44'46			-9533 Jan 11 j 09:44	0°♎	
	-9539 Feb 05 j 22:08	15°♏		retrograde	-9533 Feb 28 j 21:16	3°♎26'26	
evening set	-9539 Apr 21 j 05:29	29°♏19'12			-9533 Apr 19 j 00:21	30°♎♏	
	-9539 Apr 24 j 07:07	0°♏		opposition	-9533 May 01 j 03:12	28°♎26'45	0°45'12
				min. Earth dist.	-9533 Apr 30 j 19:04	28°♎29'25	4.12166 AU
conjunction	-9539 May 04 j 16:27	2°♏18'53	-0°23'54	direct	-9533 Jun 29 j 12:39	23°♎33'52	
minimum elong	-9539 May 04 j 16:30	2°♏18'54	0°24'13		-9533 Sep 03 j 06:28	0°♎	
max. Earth dist.	-9539 May 04 j 02:33	2°♏11'08	6.28665 AU	evening set	-9533 Oct 30 j 14:03	12°♎10'48	
morning rise	-9539 May 18 j 00:20	5°♏16'54					
retrograde	-9539 Sep 16 j 07:30	22°♏48'23		conjunction	-9533 Nov 12 j 15:30	15°♎14'31	0°02'05
asc. node	-9539 Oct 27 j 11:25	20°♏12'35		minimum elong	-9533 Nov 12 j 15:30	15°♎14'32	0°02'17
opposition	-9539 Nov 14 j 20:37	17°♏53'48	0°03'44	behind sun begin	-9533 Nov 12 j 07:20	15°♎09'45	
min. Earth dist.	-9539 Nov 15 j 11:04	17°♏49'04	4.31425 AU	behind sun end	-9533 Nov 12 j 23:40	15°♎19'18	
direct	-9538 Jan 15 j 16:57	12°♏50'06		max. Earth dist.	-9533 Nov 13 j 11:53	15°♎26'30	6.09197 AU
	-9538 May 19 j 02:40	0°♏		morning rise	-9533 Nov 25 j 20:15	18°♎20'08	
evening set	-9538 May 24 j 05:56	1°♏07'41		desc. node	-9533 Nov 26 j 10:01	18°♎28'09	

Attention, astronomical year style is used: The year -9532 in astronomical counting style is the year 9533 BCE in historical counting style.

	-9532 Jan 19 j 00:58	0°♏	conjunction	-9526 Jun 10 j 20:29	8°♑35'08	0°37'09
retrograde	-9532 Apr 05 j 05:53	8°♏09'38	minimum elong	-9526 Jun 10 j 20:26	8°♑35'06	0°37'09
opposition	-9532 Jun 04 j 20:44	3°♏06'27 -0°41'50	max. Earth dist.	-9526 Jun 09 j 16:06	8°♑19'21	6.33641 AU
min. Earth dist.	-9532 Jun 04 j 02:39	3°♏12'29 4.07190 AU	morning rise	-9526 Jun 23 j 17:53	11°♑26'51	
	-9532 Jun 30 j 03:59	30°♑	retrograde	-9526 Oct 22 j 08:01	28°♑42'21	
direct	-9532 Aug 02 j 08:09	28°♑12'17	opposition	-9526 Dec 21 j 14:28	23°♑50'18	1°27'35
	-9532 Sep 04 j 07:22	0°♏	min. Earth dist.	-9526 Dec 22 j 12:48	23°♑43'08	4.34341 AU
evening set	-9532 Dec 04 j 01:07	17°♏06'49	direct	-9525 Feb 22 j 02:50	18°♑48'57	
				-9525 May 28 j 02:47	0°♏	
conjunction	-9532 Dec 17 j 10:57	20°♏15'28 -0°54'23	evening set	-9525 Jun 29 j 13:17	6°♏54'58	
minimum elong	-9532 Dec 17 j 10:52	20°♏15'25 0°54'31	max. Earth dist.	-9525 Jul 10 j 20:27	9°♏26'11	6.33784 AU
max. Earth dist.	-9532 Dec 18 j 18:59	20°♏34'16 6.06258 AU				
morning rise	-9532 Dec 31 j 00:15	23°♏25'51	conjunction	-9525 Jul 12 j 04:41	9°♏44'13	1°19'13
	-9531 Jan 29 j 01:48	0°♑	minimum elong	-9525 Jul 12 j 04:37	9°♏44'10	1°19'31
retrograde	-9531 May 11 j 09:31	13°♑23'19	morning rise	-9525 Jul 24 j 17:27	12°♏32'12	
min. Earth dist.	-9531 Jul 09 j 08:34	8°♑26'06 4.06705 AU		-9525 Aug 04 j 21:35	15°♏	
opposition	-9531 Jul 10 j 07:30	8°♑18'18 -1°54'37	retrograde	-9525 Nov 23 j 09:35	29°♏58'20	
direct	-9531 Sep 06 j 10:47	3°♑21'13	opposition	-9524 Jan 23 j 08:19	25°♏06'36	2°14'51
	-9531 Dec 07 j 09:28	15°♑	min. Earth dist.	-9524 Jan 24 j 06:11	24°♏59'39	4.32381 AU
evening set	-9530 Jan 09 j 19:11	22°♑27'34	direct	-9524 Mar 25 j 16:55	20°♏08'13	
				-9524 Jun 21 j 06:31	0°♑	
conjunction	-9530 Jan 23 j 10:21	25°♑37'26 -1°31'11	evening set	-9524 Jul 29 j 18:22	8°♑12'38	
minimum elong	-9530 Jan 23 j 10:17	25°♑37'23 1°31'36	max. Earth dist.	-9524 Aug 10 j 01:13	10°♑45'37	6.29764 AU
max. Earth dist.	-9530 Jan 24 j 20:04	25°♑57'02 6.08142 AU				
morning rise	-9530 Feb 06 j 03:24	28°♑48'12	conjunction	-9524 Aug 11 j 04:00	11°♑00'48	1°38'24
	-9530 Feb 11 j 08:26	0°♑	minimum elong	-9524 Aug 11 j 03:59	11°♑00'48	1°38'55
retrograde	-9530 Jun 15 j 16:11	18°♑23'31	morning rise	-9524 Aug 23 j 12:34	13°♑48'35	
opposition	-9530 Aug 13 j 22:55	13°♑19'10 -2°25'06		-9524 Nov 21 j 11:54	0°♑	
min. Earth dist.	-9530 Aug 13 j 05:02	13°♑25'18 4.10870 AU	retrograde	-9524 Dec 25 j 15:35	1°♑45'05	
direct	-9530 Oct 11 j 13:56	8°♑18'40		-9523 Jan 29 j 01:30	30°♑	
evening set	-9529 Feb 15 j 16:43	27°♑23'58	opposition	-9523 Feb 25 j 00:10	26°♑51'51	2°22'59
	-9529 Feb 27 j 02:01	0°♑	min. Earth dist.	-9523 Feb 25 j 16:32	26°♑46'40	4.26609 AU
			direct	-9523 Apr 27 j 16:05	21°♑56'26	
conjunction	-9529 Mar 01 j 09:55	0°♑32'00 -1°34'44		-9523 Jul 13 j 12:46	0°♑	
minimum elong	-9529 Mar 01 j 09:58	0°♑32'01 1°35'19	evening set	-9523 Aug 30 j 03:56	10°♑06'42	
max. Earth dist.	-9529 Mar 02 j 08:32	0°♑44'56 6.14155 AU				
morning rise	-9529 Mar 15 j 03:02	3°♑39'51	conjunction	-9523 Sep 11 j 14:14	12°♑57'57	1°28'20
retrograde	-9529 Jul 19 j 11:31	22°♑30'59	minimum elong	-9523 Sep 11 j 14:18	12°♑57'59	1°28'54
opposition	-9529 Sep 16 j 13:02	17°♑29'30 -2°04'11	max. Earth dist.	-9523 Sep 10 j 23:10	12°♑49'17	6.22695 AU
min. Earth dist.	-9529 Sep 16 j 04:11	17°♑32'30 4.18134 AU	morning rise	-9523 Sep 24 j 01:35	15°♑49'51	
direct	-9529 Nov 15 j 03:49	12°♑26'19		-9523 Dec 04 j 05:01	0°♑	
	-9528 Mar 16 j 18:36	0°♑	retrograde	-9522 Jan 29 j 04:19	4°♑28'55	
evening set	-9528 Mar 22 j 14:40	1°♑18'00		-9522 Mar 28 j 02:17	30°♑	
			opposition	-9522 Mar 31 j 15:58	29°♑32'33	1°46'41
conjunction	-9528 Apr 05 j 06:22	4°♑22'11 -1°05'42	min. Earth dist.	-9522 Mar 31 j 19:38	29°♑31'22	4.18686 AU
minimum elong	-9528 Apr 05 j 06:27	4°♑22'14 1°06'13	direct	-9522 May 31 j 03:03	24°♑39'09	
max. Earth dist.	-9528 Apr 05 j 08:55	4°♑23'38 6.22129 AU		-9522 Jul 30 j 09:09	0°♑	
morning rise	-9528 Apr 18 j 20:11	7°♑25'16	evening set	-9522 Oct 01 j 12:16	13°♑01'51	
	-9528 May 24 j 03:20	15°♑		-9522 Oct 09 j 23:29	15°♑	
retrograde	-9528 Aug 20 j 01:28	25°♑28'26				
opposition	-9528 Oct 18 j 05:23	20°♑30'47 -1°03'23	conjunction	-9522 Oct 14 j 05:32	15°♑59'33	0°49'57
min. Earth dist.	-9528 Oct 18 j 09:53	20°♑29'16 4.25989 AU	minimum elong	-9522 Oct 14 j 05:36	15°♑59'35	0°50'25
direct	-9528 Dec 18 j 03:42	15°♑26'29	max. Earth dist.	-9522 Oct 14 j 09:33	16°♑01'53	6.14687 AU
	-9527 Apr 07 j 15:51	0°♑	morning rise	-9522 Oct 27 j 01:15	18°♑58'42	
evening set	-9527 Apr 25 j 23:19	3°♑59'01		-9522 Dec 17 j 08:30	0°♑	
			retrograde	-9521 Mar 05 j 23:47	8°♑21'22	
conjunction	-9527 May 09 j 09:26	6°♑58'03 -0°16'17	opposition	-9521 May 06 j 03:08	3°♑21'09	0°33'25
minimum elong	-9527 May 09 j 09:27	6°♑58'04 0°16'34	min. Earth dist.	-9521 May 05 j 18:22	3°♑24'01	4.11135 AU
max. Earth dist.	-9527 May 08 j 18:31	6°♑49'45 6.29349 AU		-9521 Jun 03 j 11:05	30°♑	
morning rise	-9527 May 22 j 16:05	9°♑55'19	direct	-9521 Jul 04 j 09:34	28°♑28'11	
asc. node	-9527 Sep 05 j 23:56	27°♑02'22		-9521 Aug 04 j 01:22	0°♑	
retrograde	-9527 Sep 20 j 17:24	27°♑23'39	desc. node	-9521 Oct 05 j 18:16	10°♑24'58	
opposition	-9527 Nov 19 j 09:31	22°♑29'26 0°15'00	evening set	-9521 Nov 04 j 10:53	17°♑08'05	
min. Earth dist.	-9527 Nov 20 j 00:03	22°♑24'41 4.31973 AU				
direct	-9526 Jan 20 j 07:44	17°♑25'55	conjunction	-9521 Nov 17 j 13:33	20°♑12'44	-0°06'21
	-9526 May 02 j 05:49	0°♑	minimum elong	-9521 Nov 17 j 13:32	20°♑12'44	0°06'11
evening set	-9526 May 28 j 19:45	5°♑41'43	behind sun begin	-9521 Nov 17 j 05:46	20°♑08'12	

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Attention, astronomical year style is used: The year -9521 in astronomical counting style is the year 9522 BCE in historical counting style.

behind sun end	-9521 Nov 17 j 21:18	20° \mathbb{M} 17'17		asc. node	-9515 Jul 16 j 18:14	24° \mathbb{H} 50'58	
max. Earth dist.	-9521 Nov 18 j 10:39	20° \mathbb{M} 25'08	6.08341 AU		-9515 Aug 21 j 07:47	0° \mathbb{Y}	
morning rise	-9521 Nov 30 j 19:54	23° \mathbb{M} 19'22		retrograde	-9515 Sep 25 j 03:31	1° \mathbb{Y} 54'00	
	-9521 Dec 30 j 08:41	0° \mathbb{L}			-9515 Oct 30 j 02:05	30° \mathbb{R} \mathbb{H}	
retrograde	-9520 Apr 10 j 08:02	13° \mathbb{L} 12'29		opposition	-9515 Nov 23 j 21:16	27° \mathbb{H} 00'12	0°25'55
opposition	-9520 Jun 09 j 21:10	8° \mathbb{L} 08'54	-0°53'42	min. Earth dist.	-9515 Nov 24 j 13:52	26° \mathbb{H} 54'47	4.33174 AU
min. Earth dist.	-9520 Jun 09 j 01:13	8° \mathbb{L} 15'34	4.06603 AU	direct	-9514 Jan 25 j 00:03	21° \mathbb{H} 56'54	
direct	-9520 Aug 07 j 05:24	3° \mathbb{L} 14'23			-9514 Apr 13 j 16:33	0° \mathbb{Y}	
evening set	-9520 Dec 09 j 04:10	22° \mathbb{L} 12'00		evening set	-9514 Jun 02 j 06:20	10° \mathbb{Y} 08'37	
				max. Earth dist.	-9514 Jun 14 j 01:06	12° \mathbb{Y} 45'10	6.34553 AU
conjunction	-9520 Dec 22 j 15:06	25° \mathbb{L} 21'11	-1°01'12				
minimum elong	-9520 Dec 22 j 15:00	25° \mathbb{L} 21'08	1°01'23	conjunction	-9514 Jun 15 j 05:46	13° \mathbb{Y} 01'05	0°43'54
max. Earth dist.	-9520 Dec 24 j 00:40	25° \mathbb{L} 40'53	6.05982 AU	minimum elong	-9514 Jun 15 j 05:42	13° \mathbb{Y} 01'03	0°43'58
morning rise	-9519 Jan 05 j 05:08	28° \mathbb{L} 32'00		morning rise	-9514 Jun 28 j 01:38	15° \mathbb{Y} 51'49	
	-9519 Jan 11 j 13:04	0° \mathbb{M}			-9514 Sep 11 j 08:23	0° \mathbb{B}	
	-9519 Mar 29 j 13:36	15° \mathbb{M}		retrograde	-9514 Oct 26 j 14:52	3° \mathbb{B} 05'28	
retrograde	-9519 May 16 j 12:32	18° \mathbb{M} 29'14			-9514 Dec 11 j 20:45	30° \mathbb{R} \mathbb{Y}	
	-9519 Jul 03 j 08:27	15° \mathbb{R} \mathbb{M}		opposition	-9514 Dec 26 j 01:10	28° \mathbb{Y} 13'34	1°35'50
min. Earth dist.	-9519 Jul 14 j 08:56	13° \mathbb{M} 31'38	4.06780 AU	min. Earth dist.	-9514 Dec 26 j 23:12	28° \mathbb{Y} 06'31	4.34913 AU
opposition	-9519 Jul 15 j 06:52	13° \mathbb{M} 24'09	-2°01'59	direct	-9513 Feb 26 j 13:31	23° \mathbb{Y} 12'36	
direct	-9519 Sep 11 j 11:07	8° \mathbb{M} 26'37			-9513 May 09 j 02:33	0° \mathbb{B}	
	-9519 Nov 16 j 11:35	15° \mathbb{M}		evening set	-9513 Jul 03 j 19:39	11° \mathbb{B} 16'06	
evening set	-9518 Jan 15 j 01:35	27° \mathbb{M} 34'38		max. Earth dist.	-9513 Jul 15 j 00:49	13° \mathbb{B} 46'16	6.33952 AU
	-9518 Jan 25 j 12:34	0° \mathbb{Z}					
conjunction	-9518 Jan 28 j 17:19	0° \mathbb{Z} 44'33	-1°33'51	conjunction	-9513 Jul 16 j 09:48	14° \mathbb{B} 04'44	1°23'20
minimum elong	-9518 Jan 28 j 17:16	0° \mathbb{Z} 44'31	1°34'18	minimum elong	-9513 Jul 16 j 09:43	14° \mathbb{B} 04'42	1°23'40
max. Earth dist.	-9518 Jan 30 j 02:57	1° \mathbb{Z} 04'05	6.08560 AU	morning rise	-9513 Jul 20 j 12:29	15° \mathbb{B}	
morning rise	-9518 Feb 11 j 10:41	3° \mathbb{Z} 55'13			-9513 Jul 28 j 21:36	16° \mathbb{B} 52'15	
retrograde	-9518 Jun 20 j 13:49	23° \mathbb{Z} 26'02		retrograde	-9513 Oct 04 j 04:19	0° \mathbb{II}	
opposition	-9518 Aug 18 j 19:38	18° \mathbb{Z} 22'02	-2°25'10		-9513 Nov 27 j 20:25	4° \mathbb{II} 20'06	
min. Earth dist.	-9518 Aug 18 j 01:39	18° \mathbb{Z} 28'12	4.11627 AU	opposition	-9512 Jan 23 j 15:57	30° \mathbb{R} \mathbb{B}	
direct	-9518 Oct 16 j 12:01	13° \mathbb{Z} 21'11			-9512 Jan 27 j 20:03	29° \mathbb{B} 28'21	2°18'22
	-9517 Feb 10 j 03:10	0° \mathbb{B}		min. Earth dist.	-9512 Jan 28 j 19:06	29° \mathbb{B} 21'02	4.32127 AU
evening set	-9517 Feb 20 j 21:50	2° \mathbb{B} 25'37		direct	-9512 Mar 30 j 04:29	24° \mathbb{B} 30'21	
					-9512 Jun 01 j 06:06	0° \mathbb{II}	
conjunction	-9517 Mar 06 j 14:58	5° \mathbb{B} 33'12	-1°32'23	evening set	-9512 Aug 02 j 23:14	12° \mathbb{II} 34'22	
minimum elong	-9517 Mar 06 j 15:01	5° \mathbb{B} 33'14	1°32'57	max. Earth dist.	-9512 Aug 14 j 05:20	15° \mathbb{II} 07'12	6.29096 AU
max. Earth dist.	-9517 Mar 07 j 10:57	5° \mathbb{B} 44'37	6.15215 AU	conjunction	-9512 Aug 15 j 08:34	15° \mathbb{II} 22'39	1°38'47
morning rise	-9517 Mar 20 j 07:57	8° \mathbb{B} 40'31		minimum elong	-9512 Aug 15 j 08:33	15° \mathbb{II} 22'39	1°39'20
retrograde	-9517 Jul 24 j 05:34	27° \mathbb{B} 24'37		morning rise	-9512 Aug 27 j 17:08	18° \mathbb{II} 10'41	
opposition	-9517 Sep 21 j 06:38	22° \mathbb{B} 23'39	-1°57'28		-9512 Oct 24 j 12:23	0° \mathbb{B}	
min. Earth dist.	-9517 Sep 20 j 23:43	22° \mathbb{B} 26'00	4.19402 AU	retrograde	-9512 Dec 30 j 04:33	6° \mathbb{B} 12'14	
direct	-9517 Nov 20 j 03:00	17° \mathbb{B} 20'15		opposition	-9511 Mar 01 j 14:29	1° \mathbb{B} 18'41	2°20'39
	-9516 Feb 28 j 06:53	0° \mathbb{B}		min. Earth dist.	-9511 Mar 02 j 05:19	1° \mathbb{B} 13'58	4.25573 AU
evening set	-9516 Mar 27 j 14:35	6° \mathbb{B} 08'34			-9511 Mar 12 j 01:29	30° \mathbb{R} \mathbb{II}	
				direct	-9511 Mar 12 j 01:29	30° \mathbb{R} \mathbb{II}	
conjunction	-9516 Apr 10 j 05:51	9° \mathbb{B} 11'59	-0°59'33		-9511 May 02 j 01:49	26° \mathbb{II} 23'36	
minimum elong	-9516 Apr 10 j 05:56	9° \mathbb{B} 12'02	1°00'02		-9511 Jun 20 j 16:15	0° \mathbb{B}	
max. Earth dist.	-9516 Apr 10 j 07:59	9° \mathbb{B} 13'11	6.23552 AU	evening set	-9511 Sep 03 j 10:48	14° \mathbb{B} 35'45	
morning rise	-9516 Apr 23 j 18:41	12° \mathbb{B} 14'06					
	-9516 May 06 j 07:09	15° \mathbb{B}		conjunction	-9511 Sep 15 j 21:50	17° \mathbb{B} 27'51	1°24'41
	-9516 Aug 14 j 12:40	0° \mathbb{H}		minimum elong	-9511 Sep 15 j 21:54	17° \mathbb{B} 27'53	1°25'14
retrograde	-9516 Aug 24 j 13:06	0° \mathbb{H} 10'00		max. Earth dist.	-9511 Sep 15 j 08:54	17° \mathbb{B} 20'23	6.21388 AU
	-9516 Sep 03 j 13:28	30° \mathbb{R} \mathbb{B}		morning rise	-9511 Sep 28 j 09:58	20° \mathbb{B} 20'41	
opposition	-9516 Oct 22 j 19:23	25° \mathbb{B} 12'53	-0°52'47		-9511 Nov 12 j 05:53	0° \mathbb{Q}	
min. Earth dist.	-9516 Oct 23 j 00:13	25° \mathbb{B} 11'16	4.27443 AU	retrograde	-9510 Feb 03 j 00:44	9° \mathbb{Q} 07'06	
direct	-9516 Dec 22 j 21:16	20° \mathbb{B} 08'40		opposition	-9510 Apr 05 j 10:26	4° \mathbb{Q} 10'19	1°38'36
	-9515 Mar 20 j 13:47	0° \mathbb{H}		min. Earth dist.	-9510 Apr 05 j 13:52	4° \mathbb{Q} 09'13	4.17181 AU
evening set	-9515 Apr 30 j 16:37	8° \mathbb{H} 36'45			-9510 May 14 j 11:59	30° \mathbb{R} \mathbb{B}	
max. Earth dist.	-9515 May 13 j 07:27	11° \mathbb{H} 24'45	6.30733 AU	direct	-9510 Jun 04 j 17:54	29° \mathbb{B} 17'05	
					-9510 Jun 25 j 20:30	0° \mathbb{Q}	
conjunction	-9515 May 14 j 01:19	11° \mathbb{H} 34'41	-0°08'41		-9510 Sep 24 j 04:22	15° \mathbb{Q}	
minimum elong	-9515 May 14 j 01:20	11° \mathbb{H} 34'41	0°08'56	evening set	-9510 Oct 06 j 00:52	17° \mathbb{Q} 43'39	
behind sun begin	-9515 May 13 j 18:21	11° \mathbb{H} 30'49					
behind sun end	-9515 May 14 j 08:18	11° \mathbb{H} 38'33		conjunction	-9510 Oct 18 j 19:21	20° \mathbb{Q} 42'35	0°43'00
morning rise	-9515 May 27 j 06:49	14° \mathbb{H} 30'53		minimum elong	-9510 Oct 18 j 19:25	20° \mathbb{Q} 42'37	0°43'25
				max. Earth dist.	-9510 Oct 19 j 00:17	20° \mathbb{Q} 45'28	6.13138 AU

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Attention, astronomical year style is used: The year -9510 in astronomical counting style is the year 9511 BCE in historical counting style.

morning rise	-9510 Oct 31 j 16:44	23° Ω 43'08		retrograde	-9504 Aug 29 j 01:11	4° H 48'57	
	-9510 Nov 28 j 13:08	0° M			-9504 Oct 26 j 09:23	30° R	
retrograde	-9509 Mar 10 j 22:57	13° M 13'18		opposition	-9504 Oct 27 j 08:37	29° \approx 52'16	-0°41'57
opposition	-9509 May 11 j 01:03	8° M 12'37	0°21'37	min. Earth dist.	-9504 Oct 27 j 15:49	29° \approx 49'53	4.28599 AU
min. Earth dist.	-9509 May 10 j 13:44	8° M 16'19	4.09687 AU	direct	-9504 Dec 27 j 15:23	24° \approx 48'00	
direct	-9509 Jul 09 j 02:17	3° M 19'34			-9503 Feb 26 j 20:27	0° H	
desc. node	-9509 Aug 16 j 13:24	5° M 42'20		evening set	-9503 May 05 j 08:40	13° H 12'47	
evening set	-9509 Nov 09 j 07:30	22° M 04'24					
				conjunction	-9503 May 18 j 16:19	16° H 09'52	-0°00'59
conjunction	-9509 Nov 22 j 11:39	25° M 10'14	-0°14'29	minimum elong	-9503 May 18 j 16:20	16° H 09'52	0°01'12
minimum elong	-9509 Nov 22 j 11:38	25° M 10'13	0°14'21	behind sun begin	-9503 May 18 j 08:10	16° H 05'21	
behind sun begin	-9509 Nov 22 j 07:50	25° M 08'00		behind sun end	-9503 May 19 j 00:29	16° H 14'23	
behind sun end	-9509 Nov 22 j 15:25	25° M 12'26		max. Earth dist.	-9503 May 17 j 21:35	15° H 59'28	6.31646 AU
max. Earth dist.	-9509 Nov 23 j 11:41	25° M 24'23	6.07138 AU	asc. node	-9503 May 25 j 17:41	17° H 43'58	
morning rise	-9509 Dec 05 j 19:18	28° M 17'59		morning rise	-9503 May 31 j 20:21	19° H 05'08	
	-9509 Dec 13 j 02:56	0° Ω			-9503 Jul 24 j 17:15	0° Y	
retrograde	-9508 Apr 15 j 12:12	18° Ω 15'55		retrograde	-9503 Sep 29 j 12:43	6° Y 25'00	
opposition	-9508 Jun 14 j 21:13	13° Ω 11'57	-1°05'06	opposition	-9503 Nov 28 j 09:18	1° Y 31'33	0°36'45
min. Earth dist.	-9508 Jun 14 j 00:55	13° Ω 18'47	4.05773 AU	min. Earth dist.	-9503 Nov 29 j 02:30	1° Y 25'57	4.33783 AU
direct	-9508 Aug 12 j 04:00	8° Ω 17'05			-9503 Dec 10 j 07:30	30° R H	
evening set	-9508 Dec 14 j 08:00	27° Ω 18'45		direct	-9502 Jan 29 j 13:32	26° H 28'30	
	-9508 Dec 25 j 19:18	0° M			-9502 Mar 20 j 16:09	0° Y	
				evening set	-9502 Jun 06 j 18:07	14° Y 38'16	
conjunction	-9508 Dec 27 j 19:55	0° M 28'31	-1°07'31	max. Earth dist.	-9502 Jun 18 j 08:38	17° Y 12'34	6.34792 AU
minimum elong	-9508 Dec 27 j 19:49	0° M 28'28	1°07'45				
max. Earth dist.	-9508 Dec 29 j 07:16	0° M 49'16	6.05593 AU	conjunction	-9502 Jun 19 j 15:59	17° Y 30'00	0°50'32
morning rise	-9507 Jan 10 j 10:50	3° M 39'50		minimum elong	-9502 Jun 19 j 15:55	17° Y 29'57	0°50'38
	-9507 Mar 03 j 19:28	15° M		morning rise	-9502 Jul 02 j 10:42	20° Y 20'07	
retrograde	-9507 May 21 j 13:45	23° M 36'35			-9502 Aug 18 j 08:04	0° B	
min. Earth dist.	-9507 Jul 19 j 07:10	18° M 39'17	4.06901 AU	retrograde	-9502 Oct 31 j 03:20	7° B 34'13	
opposition	-9507 Jul 20 j 06:10	18° M 31'27	-2°08'21	opposition	-9502 Dec 30 j 14:29	2° B 42'28	1°43'49
	-9507 Aug 18 j 03:03	15° R M		min. Earth dist.	-9502 Dec 31 j 14:07	2° B 34'54	4.34787 AU
direct	-9507 Sep 16 j 09:40	13° M 33'26			-9501 Jan 22 j 00:25	30° R Y	
	-9507 Oct 15 j 21:32	15° M		direct	-9501 Mar 03 j 04:03	27° Y 41'49	
	-9506 Jan 08 j 11:35	0° X			-9501 Apr 12 j 04:42	0° B	
evening set	-9506 Jan 20 j 08:21	2° X 42'38			-9501 Jul 04 j 19:45	15° B	
				evening set	-9501 Jul 08 j 04:58	15° B 45'02	
conjunction	-9506 Feb 03 j 00:22	5° X 52'24	-1°35'45	max. Earth dist.	-9501 Jul 19 j 09:53	18° B 15'17	6.33451 AU
minimum elong	-9506 Feb 03 j 00:20	5° X 52'23	1°36'15				
max. Earth dist.	-9506 Feb 04 j 08:37	6° X 11'05	6.09141 AU	conjunction	-9501 Jul 20 j 18:16	18° B 33'26	1°27'08
morning rise	-9506 Feb 16 j 17:59	9° X 02'49		minimum elong	-9501 Jul 20 j 18:12	18° B 33'24	1°27'31
retrograde	-9506 Jun 25 j 10:59	28° X 28'05		morning rise	-9501 Aug 02 j 05:11	21° B 20'48	
opposition	-9506 Aug 23 j 15:49	23° X 24'16	-2°24'08		-9501 Sep 12 j 06:29	0° II	
min. Earth dist.	-9506 Aug 22 j 23:04	23° X 30'00	4.12580 AU	retrograde	-9501 Dec 02 j 10:10	8° II 52'32	
direct	-9506 Oct 21 j 12:33	18° X 22'53		opposition	-9500 Feb 01 j 12:22	4° II 00'38	2°21'18
	-9505 Jan 23 j 02:27	0° Z		min. Earth dist.	-9500 Feb 02 j 10:01	3° II 53'46	4.31310 AU
evening set	-9505 Feb 26 j 01:55	7° Z 25'18			-9500 Mar 09 j 13:32	30° R B	
				direct	-9500 Apr 03 j 17:21	29° B 03'06	
conjunction	-9505 Mar 11 j 19:10	10° Z 32'22	-1°29'22		-9500 Apr 28 j 22:22	0° II	
minimum elong	-9505 Mar 11 j 19:14	10° Z 32'24	1°29'56	evening set	-9500 Aug 07 j 08:57	17° II 08'17	
max. Earth dist.	-9505 Mar 12 j 14:40	10° Z 43'28	6.16442 AU				
morning rise	-9505 Mar 25 j 11:36	13° Z 38'56		conjunction	-9500 Aug 19 j 18:02	19° II 56'54	1°38'37
	-9505 Jun 21 j 05:14	0° \approx		minimum elong	-9500 Aug 19 j 18:03	19° II 56'54	1°39'10
retrograde	-9505 Jul 28 j 21:22	2° \approx 15'09		max. Earth dist.	-9500 Aug 18 j 16:11	19° II 42'10	6.28022 AU
	-9505 Sep 04 j 08:28	30° R Z		morning rise	-9500 Sep 01 j 02:43	22° II 45'25	
opposition	-9505 Sep 25 j 22:39	27° Z 14'39	-1°50'00		-9500 Oct 04 j 10:31	0° B	
min. Earth dist.	-9505 Sep 25 j 16:47	27° Z 16'38	4.20738 AU	retrograde	-9499 Jan 04 j 01:50	10° B 53'19	
direct	-9505 Nov 24 j 23:00	22° Z 10'59		opposition	-9499 Mar 06 j 11:07	5° B 59'27	2°17'20
	-9504 Feb 08 j 15:16	0° \approx		min. Earth dist.	-9499 Mar 07 j 01:29	5° B 54'52	4.24310 AU
evening set	-9504 Apr 01 j 12:58	10° \approx 55'44		direct	-9499 May 06 j 19:46	1° B 04'42	
				evening set	-9499 Sep 07 j 23:39	19° B 19'09	
conjunction	-9504 Apr 15 j 03:24	13° \approx 58'19	-0°53'03				
minimum elong	-9504 Apr 15 j 03:29	13° \approx 58'21	0°53'30	conjunction	-9499 Sep 20 j 11:29	22° B 12'09	1°20'17
max. Earth dist.	-9504 Apr 15 j 01:18	13° \approx 57'08	6.24864 AU	minimum elong	-9499 Sep 20 j 11:33	22° B 12'11	1°20'50
	-9504 Apr 19 j 17:28	15° \approx		max. Earth dist.	-9499 Sep 20 j 00:41	22° B 05'54	6.20073 AU
morning rise	-9504 Apr 28 j 15:32	16° \approx 59'33		morning rise	-9499 Oct 03 j 00:44	25° B 06'02	
	-9504 Jul 03 j 08:01	0° H			-9499 Oct 24 j 19:25	0° Ω	

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Attention, astronomical year style is used: The year -9498 in astronomical counting style is the year 9499 BCE in historical counting style.

retrograde	-9498 Feb 08 j 00:29	13°♏59'24			-9492 Apr 03 j 19:14	15°♏	
opposition	-9498 Apr 10 j 10:32	9°♏02'07	1°29'23	evening set	-9492 Apr 06 j 06:44	15°♏33'00	
min. Earth dist.	-9498 Apr 10 j 10:50	9°♏02'01	4.15937 AU				
direct	-9498 Jun 09 j 12:33	4°♏09'07		conjunction	-9492 Apr 19 j 20:37	18°♏34'55	-0°46'27
	-9498 Sep 06 j 13:55	15°♏		minimum elong	-9492 Apr 19 j 20:41	18°♏34'57	0°46'52
evening set	-9498 Oct 10 j 19:09	22°♏38'25		max. Earth dist.	-9492 Apr 19 j 16:15	18°♏32'29	6.25873 AU
				morning rise	-9492 May 03 j 07:43	21°♏35'23	
conjunction	-9498 Oct 23 j 14:59	25°♏38'24	0°35'25		-9492 Jun 12 j 02:27	0°♏	
minimum elong	-9498 Oct 23 j 15:02	25°♏38'26	0°35'48	retrograde	-9492 Sep 02 j 10:28	9°♏19'59	
max. Earth dist.	-9498 Oct 23 j 23:37	25°♏43'28	6.12109 AU	opposition	-9492 Oct 31 j 18:46	4°♏23'53	-0°31'13
morning rise	-9498 Nov 05 j 13:47	28°♏40'04		min. Earth dist.	-9492 Nov 01 j 03:48	4°♏20'54	4.29326 AU
	-9498 Nov 11 j 07:52	0°♏			-9492 Dec 11 j 09:56	30°♏	
retrograde	-9497 Mar 16 j 04:07	18°♏15'21		direct	-9491 Jan 01 j 04:16	29°♏19'43	
opposition	-9497 May 16 j 03:12	13°♏14'09	0°09'11		-9491 Jan 22 j 04:21	0°♏	
min. Earth dist.	-9497 May 15 j 14:32	13°♏18'19	4.08972 AU	asc. node	-9491 Apr 05 j 01:37	10°♏20'39	
desc. node	-9497 Jun 26 j 08:39	8°♏52'20		evening set	-9491 May 09 j 22:04	17°♏42'57	
direct	-9497 Jul 14 j 01:59	8°♏20'59		max. Earth dist.	-9491 May 22 j 05:47	20°♏26'48	6.32029 AU
evening set	-9497 Nov 14 j 07:35	27°♏07'54					
	-9497 Nov 26 j 12:28	0°♏		conjunction	-9491 May 23 j 04:27	20°♏39'24	0°06'35
conjunction	-9497 Nov 27 j 12:58	0°♏14'25	-0°22'44	minimum elong	-9491 May 23 j 04:26	20°♏39'23	0°06'25
minimum elong	-9497 Nov 27 j 12:56	0°♏14'24	0°22'40	behind sun begin	-9491 May 22 j 20:47	20°♏35'09	
max. Earth dist.	-9497 Nov 28 j 15:56	0°♏30'17	6.06817 AU	behind sun end	-9491 May 23 j 12:05	20°♏43'37	
morning rise	-9497 Dec 10 j 21:54	3°♏22'51		morning rise	-9491 Jun 05 j 07:26	23°♏34'03	
retrograde	-9496 Apr 20 j 14:52	23°♏21'31			-9491 Jul 05 j 10:32	0°♏	
opposition	-9496 Jun 19 j 22:01	18°♏17'17	-1°16'06	retrograde	-9491 Oct 03 j 22:50	10°♏52'50	
min. Earth dist.	-9496 Jun 19 j 00:06	18°♏24'39	4.05910 AU	opposition	-9491 Dec 02 j 20:18	5°♏59'43	0°47'11
direct	-9496 Aug 17 j 02:20	13°♏22'05		min. Earth dist.	-9491 Dec 03 j 15:16	5°♏53'34	4.33820 AU
	-9496 Dec 09 j 02:18	0°♏		direct	-9490 Feb 03 j 02:24	0°♏56'55	
evening set	-9496 Dec 19 j 12:02	2°♏24'18		evening set	-9490 Jun 11 j 04:34	19°♏06'40	
				max. Earth dist.	-9490 Jun 22 j 18:25	21°♏40'47	6.34478 AU
conjunction	-9495 Jan 02 j 00:32	5°♏34'04	-1°13'18	conjunction	-9490 Jun 24 j 01:20	21°♏57'59	0°56'46
minimum elong	-9495 Jan 02 j 00:27	5°♏34'01	1°13'34	minimum elong	-9490 Jun 24 j 01:15	21°♏57'57	0°56'54
max. Earth dist.	-9495 Jan 03 j 11:31	5°♏54'34	6.06138 AU	morning rise	-9490 Jul 06 j 18:42	24°♏47'43	
morning rise	-9495 Jan 15 j 16:03	8°♏45'18			-9490 Jul 30 j 21:20	0°♏	
	-9495 Feb 12 j 07:16	15°♏		retrograde	-9490 Nov 04 j 14:47	12°♏04'20	
retrograde	-9495 May 26 j 11:37	28°♏37'55		opposition	-9489 Jan 04 j 04:24	7°♏12'41	1°51'10
min. Earth dist.	-9495 Jul 24 j 04:34	23°♏40'27	4.07802 AU	min. Earth dist.	-9489 Jan 05 j 03:34	7°♏05'18	4.34171 AU
opposition	-9495 Jul 25 j 02:57	23°♏32'48	-2°13'35	direct	-9489 Mar 07 j 16:29	2°♏12'32	
direct	-9495 Sep 21 j 08:57	18°♏34'16			-9489 Jun 18 j 07:02	15°♏	
	-9495 Dec 21 j 17:24	0°♏		evening set	-9489 Jul 12 j 14:56	20°♏16'50	
evening set	-9494 Jan 25 j 11:47	7°♏42'03		max. Earth dist.	-9489 Jul 23 j 18:29	22°♏46'46	6.32566 AU
conjunction	-9494 Feb 08 j 04:14	10°♏51'26	-1°36'56	conjunction	-9489 Jul 25 j 03:12	23°♏05'10	1°30'23
minimum elong	-9494 Feb 08 j 04:13	10°♏51'25	1°37'27	minimum elong	-9489 Jul 25 j 03:08	23°♏05'08	1°30'49
max. Earth dist.	-9494 Feb 09 j 12:19	11°♏09'58	6.10308 AU	morning rise	-9489 Aug 06 j 13:37	25°♏52'37	
morning rise	-9494 Feb 21 j 21:40	14°♏01'15			-9489 Aug 25 j 08:10	0°♏	
	-9494 May 14 j 20:45	0°♏		retrograde	-9489 Dec 07 j 04:10	13°♏29'33	
retrograde	-9494 Jun 30 j 04:27	3°♏19'10		opposition	-9488 Feb 06 j 06:38	8°♏37'28	2°23'23
	-9494 Aug 15 j 08:28	30°♏		min. Earth dist.	-9488 Feb 07 j 03:56	8°♏30'42	4.30232 AU
opposition	-9494 Aug 28 j 07:49	28°♏15'48	-2°22'05	direct	-9488 Apr 08 j 10:08	3°♏40'20	
min. Earth dist.	-9494 Aug 27 j 16:36	28°♏21'00	4.13888 AU	evening set	-9488 Aug 11 j 20:06	21°♏47'11	
direct	-9494 Oct 26 j 08:02	23°♏14'02		max. Earth dist.	-9488 Aug 23 j 06:26	24°♏23'13	6.26848 AU
	-9493 Jan 02 j 21:51	0°♏					
evening set	-9493 Mar 03 j 01:13	12°♏13'35		conjunction	-9488 Aug 24 j 05:20	24°♏36'17	1°37'47
conjunction	-9493 Mar 16 j 18:09	15°♏20'01	-1°25'51	minimum elong	-9488 Aug 24 j 05:21	24°♏36'17	1°38'21
minimum elong	-9493 Mar 16 j 18:13	15°♏20'04	1°26'26	morning rise	-9488 Sep 05 j 14:11	27°♏25'22	
max. Earth dist.	-9493 Mar 17 j 09:05	15°♏28'30	6.17763 AU		-9488 Sep 17 j 01:28	0°♏	
morning rise	-9493 Mar 30 j 10:21	18°♏25'53		retrograde	-9487 Jan 08 j 22:18	15°♏39'37	
	-9493 May 25 j 05:56	0°♏		opposition	-9487 Mar 11 j 09:24	10°♏45'18	2°13'01
retrograde	-9493 Aug 02 j 08:44	6°♏54'51		min. Earth dist.	-9487 Mar 11 j 20:54	10°♏41'38	4.23131 AU
opposition	-9493 Sep 30 j 10:44	1°♏54'52	-1°42'08	direct	-9487 May 11 j 13:24	5°♏50'56	
min. Earth dist.	-9493 Sep 30 j 07:04	1°♏56'06	4.21938 AU	evening set	-9487 Sep 12 j 13:59	24°♏06'58	
	-9493 Oct 15 j 00:00	30°♏		conjunction	-9487 Sep 25 j 02:36	27°♏00'47	1°15'16
direct	-9493 Nov 29 j 15:33	26°♏50'58		minimum elong	-9487 Sep 25 j 02:41	27°♏00'50	1°15'49
	-9492 Jan 14 j 15:56	0°♏		max. Earth dist.	-9487 Sep 24 j 18:46	26°♏56'15	6.18989 AU

Attention, astronomical year style is used: The year -9487 in astronomical counting style is the year 9488 BCE in historical counting style.

morning rise	-9487 Oct 07 j 16:58	29° \mathfrak{D} 55'39		retrograde	-9481 Aug 06 j 21:59	11° \approx 35'17	
	-9487 Oct 08 j 00:33	0° \mathcal{O}		opposition	-9481 Oct 04 j 23:29	6° \approx 35'53	-1°33'36
	-9487 Dec 23 j 02:27	15° \mathcal{O}		min. Earth dist.	-9481 Oct 04 j 22:11	6° \approx 36'19	4.22953 AU
retrograde	-9486 Feb 13 j 03:04	18° \mathcal{O} 54'51		direct	-9481 Dec 04 j 08:24	1° \approx 31'52	
	-9486 Apr 07 j 07:07	15° \mathcal{R} \mathcal{O}			-9480 Mar 18 j 02:29	15° \approx	
opposition	-9486 Apr 15 j 11:46	13° \mathcal{O} 56'57	1°19'26	evening set	-9480 Apr 11 j 01:19	20° \approx 11'40	
min. Earth dist.	-9486 Apr 15 j 10:19	13° \mathcal{O} 57'25	4.14998 AU				
direct	-9486 Jun 14 j 10:47	9° \mathcal{O} 03'58		conjunction	-9480 Apr 24 j 14:25	23° \approx 12'57	-0°39'30
	-9486 Aug 16 j 16:27	15° \mathcal{O}		minimum elong	-9480 Apr 24 j 14:28	23° \approx 12'59	0°39'54
evening set	-9486 Oct 15 j 13:57	27° \mathcal{O} 34'42		max. Earth dist.	-9480 Apr 24 j 06:27	23° \approx 08'30	6.26727 AU
	-9486 Oct 25 j 22:27	0° \mathfrak{M}		morning rise	-9480 May 08 j 00:41	26° \approx 12'44	
					-9480 May 25 j 08:22	0° \mathfrak{H}	
conjunction	-9486 Oct 28 j 11:08	0° \mathfrak{M} 35'34	0°27'33	retrograde	-9480 Sep 06 j 20:15	13° \mathfrak{H} 53'08	
minimum elong	-9486 Oct 28 j 11:11	0° \mathfrak{M} 35'36	0°27'53	opposition	-9480 Nov 05 j 06:22	8° \mathfrak{H} 57'31	-0°20'11
max. Earth dist.	-9486 Oct 28 j 23:17	0° \mathfrak{M} 42'41	6.11403 AU	min. Earth dist.	-9480 Nov 05 j 16:49	8° \mathfrak{H} 54'03	4.29961 AU
morning rise	-9486 Nov 10 j 11:22	3° \mathfrak{M} 38'11		direct	-9479 Jan 05 j 18:43	3° \mathfrak{H} 53'26	
retrograde	-9485 Mar 21 j 06:51	23° \mathfrak{M} 16'56		asc. node	-9479 Feb 12 j 23:04	6° \mathfrak{H} 01'31	
desc. node	-9485 May 06 j 08:05	20° \mathfrak{M} 09'54		evening set	-9479 May 14 j 12:11	22° \mathfrak{H} 15'10	
opposition	-9485 May 21 j 04:36	18° \mathfrak{M} 15'13	-0°03'19				
min. Earth dist.	-9485 May 20 j 13:55	18° \mathfrak{M} 20'04	4.08563 AU	conjunction	-9479 May 27 j 17:22	25° \mathfrak{H} 10'57	0°14'06
direct	-9485 Jul 18 j 23:36	13° \mathfrak{M} 21'53		minimum elong	-9479 May 27 j 17:20	25° \mathfrak{H} 10'56	0°14'00
	-9485 Nov 09 j 23:37	0° \mathfrak{L}		behind sun begin	-9479 May 27 j 13:17	25° \mathfrak{H} 08'42	
evening set	-9485 Nov 19 j 07:39	2° \mathfrak{L} 10'04		behind sun end	-9479 May 27 j 21:24	25° \mathfrak{H} 13'11	
				max. Earth dist.	-9479 May 26 j 17:47	24° \mathfrak{H} 57'51	6.32412 AU
conjunction	-9485 Dec 02 j 14:02	5° \mathfrak{L} 17'03	-0°30'48	morning rise	-9479 Jun 09 j 18:58	28° \mathfrak{H} 04'56	
minimum elong	-9485 Dec 02 j 13:59	5° \mathfrak{L} 17'01	0°30'48		-9479 Jun 18 j 12:48	0° \mathfrak{Y}	
max. Earth dist.	-9485 Dec 03 j 17:55	5° \mathfrak{L} 33'28	6.06715 AU	retrograde	-9479 Oct 08 j 09:18	15° \mathfrak{Y} 22'45	
morning rise	-9485 Dec 16 j 00:06	8° \mathfrak{L} 25'58		opposition	-9479 Dec 07 j 08:44	10° \mathfrak{Y} 30'00	0°57'30
retrograde	-9484 Apr 25 j 15:25	28° \mathfrak{L} 24'33		min. Earth dist.	-9479 Dec 08 j 04:38	10° \mathfrak{Y} 23'34	4.33937 AU
opposition	-9484 Jun 24 j 21:19	23° \mathfrak{L} 19'59	-1°26'29	direct	-9478 Feb 07 j 16:24	5° \mathfrak{Y} 27'37	
min. Earth dist.	-9484 Jun 23 j 22:55	23° \mathfrak{L} 27'33	4.06135 AU	evening set	-9478 Jun 15 j 15:55	23° \mathfrak{Y} 36'48	
direct	-9484 Aug 22 j 01:36	18° \mathfrak{L} 24'20		max. Earth dist.	-9478 Jun 27 j 02:43	26° \mathfrak{Y} 09'29	6.34310 AU
	-9484 Nov 21 j 10:33	0° \mathfrak{M}					
evening set	-9484 Dec 24 j 15:10	7° \mathfrak{M} 27'06		conjunction	-9478 Jun 28 j 11:16	26° \mathfrak{Y} 27'37	1°02'46
				minimum elong	-9478 Jun 28 j 11:11	26° \mathfrak{Y} 27'35	1°02'57
conjunction	-9483 Jan 07 j 04:30	10° \mathfrak{M} 36'55	-1°18'32	morning rise	-9478 Jul 11 j 03:36	29° \mathfrak{Y} 16'57	
minimum elong	-9483 Jan 07 j 04:25	10° \mathfrak{M} 36'52	1°18'52		-9478 Jul 14 j 09:29	0° \mathfrak{B}	
max. Earth dist.	-9483 Jan 08 j 16:55	10° \mathfrak{M} 58'12	6.06664 AU		-9478 Oct 07 j 23:28	15° \mathfrak{B}	
morning rise	-9483 Jan 20 j 20:20	13° \mathfrak{M} 48'01		retrograde	-9478 Nov 09 j 04:02	16° \mathfrak{B} 35'40	
	-9483 Jan 26 j 01:00	15° \mathfrak{M}			-9478 Dec 11 j 14:19	15° \mathcal{R} \mathfrak{B}	
	-9483 Apr 12 j 17:41	0° \mathfrak{J}		opposition	-9477 Jan 08 j 19:16	11° \mathfrak{B} 44'05	1°57'57
retrograde	-9483 May 31 j 10:13	3° \mathfrak{J} 36'35		min. Earth dist.	-9477 Jan 09 j 18:27	11° \mathfrak{B} 36'41	4.33770 AU
	-9483 Jul 19 j 00:17	30° \mathcal{R} \mathfrak{M}		direct	-9477 Mar 12 j 07:10	6° \mathfrak{B} 44'22	
opposition	-9483 Jul 29 j 22:48	28° \mathfrak{M} 31'35	-2°17'54		-9477 May 30 j 20:05	15° \mathfrak{B}	
min. Earth dist.	-9483 Jul 29 j 01:28	28° \mathfrak{M} 38'53	4.08599 AU	evening set	-9477 Jul 17 j 00:52	24° \mathfrak{B} 48'53	
direct	-9483 Sep 26 j 06:33	23° \mathfrak{M} 32'37		max. Earth dist.	-9477 Jul 28 j 06:25	27° \mathfrak{B} 20'11	6.31971 AU
	-9483 Dec 01 j 02:25	0° \mathfrak{J}					
evening set	-9482 Jan 30 j 14:44	12° \mathfrak{J} 39'28		conjunction	-9477 Jul 29 j 12:29	27° \mathfrak{B} 37'07	1°33'10
				minimum elong	-9477 Jul 29 j 12:26	27° \mathfrak{B} 37'05	1°33'36
conjunction	-9482 Feb 13 j 07:15	15° \mathfrak{J} 48'29	-1°37'27		-9477 Aug 09 j 02:24	0° \mathfrak{I}	
minimum elong	-9482 Feb 13 j 07:15	15° \mathfrak{J} 48'28	1°37'59	morning rise	-9477 Aug 10 j 22:08	0° \mathfrak{I} 24'30	
max. Earth dist.	-9482 Feb 14 j 12:00	16° \mathfrak{J} 05'02	6.11284 AU	retrograde	-9477 Dec 11 j 19:46	18° \mathfrak{I} 05'41	
morning rise	-9482 Feb 27 j 00:50	18° \mathfrak{J} 57'51		opposition	-9476 Feb 11 j 00:45	13° \mathfrak{I} 13'26	2°24'36
	-9482 Apr 19 j 21:35	0° \mathfrak{Z}		min. Earth dist.	-9476 Feb 11 j 20:27	13° \mathfrak{I} 07'12	4.29499 AU
retrograde	-9482 Jul 04 j 20:09	8° \mathfrak{Z} 09'17		direct	-9476 Apr 13 j 01:40	8° \mathfrak{I} 16'50	
opposition	-9482 Sep 01 j 23:33	3° \mathfrak{Z} 06'17	-2°19'09	evening set	-9476 Aug 16 j 06:32	26° \mathfrak{I} 24'04	
min. Earth dist.	-9482 Sep 01 j 09:33	3° \mathfrak{Z} 11'04	4.14958 AU				
	-9482 Sep 26 j 14:13	30° \mathcal{R} \mathfrak{J}		conjunction	-9476 Aug 28 j 15:39	29° \mathfrak{I} 13'30	1°36'23
direct	-9482 Oct 31 j 03:06	28° \mathfrak{J} 04'06		minimum elong	-9476 Aug 28 j 15:40	29° \mathfrak{I} 13'31	1°36'57
	-9482 Dec 05 j 02:05	0° \mathfrak{Z}		max. Earth dist.	-9476 Aug 27 j 18:01	29° \mathfrak{I} 01'08	6.26031 AU
evening set	-9481 Mar 08 j 00:37	17° \mathfrak{Z} 01'42			-9476 Sep 01 j 01:00	0° \mathfrak{D}	
				morning rise	-9476 Sep 10 j 00:58	2° \mathfrak{D} 03'07	
conjunction	-9481 Mar 21 j 17:28	20° \mathfrak{Z} 07'38	-1°21'47	retrograde	-9475 Jan 13 j 19:09	20° \mathfrak{D} 22'38	
minimum elong	-9481 Mar 21 j 17:33	20° \mathfrak{Z} 07'41	1°22'21	opposition	-9475 Mar 16 j 06:31	15° \mathfrak{D} 27'52	2°07'53
max. Earth dist.	-9481 Mar 22 j 06:02	20° \mathfrak{Z} 14'46	6.18863 AU	min. Earth dist.	-9475 Mar 16 j 16:21	15° \mathfrak{D} 24'43	4.22268 AU
morning rise	-9481 Apr 04 j 09:04	23° \mathfrak{Z} 12'48		direct	-9475 May 16 j 07:32	10° \mathfrak{D} 33'45	
	-9481 May 05 j 13:49	0° \approx		evening set	-9475 Sep 17 j 02:41	28° \mathfrak{D} 50'30	

Attention, astronomical year style is used: The year -9475 in astronomical counting style is the year 9476 BCE in historical counting style.

	-9475 Sep 22 j 03:02	0°♌		minimum elong	-9469 Mar 26 j 16:19	24°♊55'24	1°17'41
				max. Earth dist.	-9469 Mar 27 j 02:07	25°♊00'56	6.19691 AU
conjunction	-9475 Sep 29 j 16:20	1°♌45'06	1°09'51	morning rise	-9469 Apr 09 j 07:28	28°♊00'02	
minimum elong	-9475 Sep 29 j 16:25	1°♌45'09	1°10'22		-9469 Apr 18 j 06:32	0°♊	
max. Earth dist.	-9475 Sep 29 j 12:11	1°♌42'42	6.18172 AU		-9469 Jul 14 j 06:55	15°♊	
morning rise	-9475 Oct 12 j 07:45	4°♌40'49		retrograde	-9469 Aug 11 j 09:37	16°♊17'01	
	-9475 Nov 29 j 06:55	15°♌			-9469 Sep 08 j 09:15	15°♊	
retrograde	-9474 Feb 18 j 02:23	23°♌44'50		opposition	-9469 Oct 09 j 12:37	11°♊18'07	-1°24'28
opposition	-9474 Apr 20 j 10:18	18°♌46'26	1°09'05	min. Earth dist.	-9469 Oct 09 j 12:10	11°♊18'16	4.23754 AU
min. Earth dist.	-9474 Apr 20 j 06:53	18°♌47'33	4.14280 AU	direct	-9469 Dec 09 j 00:21	6°♊13'58	
	-9474 May 23 j 20:38	15°♌			-9468 Feb 28 j 09:45	15°♊	
direct	-9474 Jun 19 j 05:07	13°♌53'34		evening set	-9468 Apr 15 j 20:06	24°♊52'02	
	-9474 Jul 15 j 09:43	15°♌					
	-9474 Oct 09 j 19:13	0°♍		conjunction	-9468 Apr 29 j 08:19	27°♊52'42	-0°32'16
evening set	-9474 Oct 20 j 07:00	2°♍25'26		minimum elong	-9468 Apr 29 j 08:22	27°♊52'43	0°32'37
				max. Earth dist.	-9468 Apr 28 j 22:03	27°♊46'58	6.27470 AU
conjunction	-9474 Nov 02 j 05:19	5°♍27'05	0°19'39		-9468 May 08 j 20:26	0°♋	
minimum elong	-9474 Nov 02 j 05:21	5°♍27'07	0°19'58	morning rise	-9468 May 12 j 17:37	0°♋51'46	
max. Earth dist.	-9474 Nov 02 j 18:44	5°♍34'58	6.10841 AU	retrograde	-9468 Sep 11 j 07:53	18°♋28'20	
morning rise	-9474 Nov 15 j 07:01	8°♍30'35		opposition	-9468 Nov 09 j 18:51	13°♋33'10	-0°08'57
desc. node	-9473 Mar 17 j 04:08	28°♍04'33		min. Earth dist.	-9468 Nov 10 j 07:11	13°♋29'06	4.30581 AU
retrograde	-9473 Mar 26 j 06:27	28°♍12'28		asc. node	-9468 Dec 23 j 20:46	8°♋57'55	
min. Earth dist.	-9473 May 25 j 10:57	23°♍15'33	4.08192 AU	direct	-9467 Jan 10 j 11:22	8°♋29'14	
opposition	-9473 May 26 j 03:01	23°♍10'13	-0°15'31	evening set	-9467 May 19 j 02:37	26°♋49'06	
direct	-9473 Jul 23 j 19:18	18°♍16'39		max. Earth dist.	-9467 May 31 j 05:30	29°♋30'15	6.32855 AU
	-9473 Oct 23 j 18:34	0°♎					
evening set	-9473 Nov 24 j 05:17	7°♎06'22		conjunction	-9467 Jun 01 j 06:33	29°♋44'10	0°21'37
				minimum elong	-9467 Jun 01 j 06:30	29°♋44'08	0°21'32
conjunction	-9473 Dec 07 j 12:56	10°♎13'56	-0°38'29		-9467 Jun 02 j 11:03	0°♏	
minimum elong	-9473 Dec 07 j 12:52	10°♎13'53	0°38'31	morning rise	-9467 Jun 14 j 06:52	2°♏37'25	
max. Earth dist.	-9473 Dec 08 j 19:26	10°♎31'51	6.06569 AU	retrograde	-9467 Oct 12 j 19:16	19°♏53'57	
morning rise	-9473 Dec 20 j 23:54	13°♎23'18		opposition	-9467 Dec 11 j 21:42	15°♏01'22	1°07'31
	-9472 Mar 14 j 08:56	0°♏		min. Earth dist.	-9467 Dec 12 j 17:41	14°♏54'54	4.34190 AU
retrograde	-9472 Apr 30 j 15:36	3°♏21'58		direct	-9466 Feb 12 j 06:31	9°♏59'13	
	-9472 Jun 16 j 20:03	30°♏		evening set	-9466 Jun 20 j 02:46	28°♏06'59	
opposition	-9472 Jun 29 j 18:04	28°♏17'16	-1°36'01		-9466 Jun 28 j 14:16	0°♐	
min. Earth dist.	-9472 Jun 28 j 20:11	28°♏24'40	4.06242 AU				
direct	-9472 Aug 26 j 22:03	23°♏21'14		conjunction	-9466 Jul 02 j 20:51	0°♐57'13	1°08'24
	-9472 Nov 01 j 06:02	0°♐		minimum elong	-9466 Jul 02 j 20:46	0°♐57'10	1°08'39
evening set	-9472 Dec 29 j 16:36	12°♐25'15		max. Earth dist.	-9466 Jul 01 j 13:16	0°♐39'35	6.34333 AU
	-9471 Jan 09 j 18:13	15°♐		morning rise	-9466 Jul 15 j 11:55	3°♐46'00	
					-9466 Sep 09 j 02:32	15°♐	
conjunction	-9471 Jan 12 j 06:25	15°♐35'08	-1°23'06	retrograde	-9466 Nov 13 j 16:25	21°♐06'07	
minimum elong	-9471 Jan 12 j 06:19	15°♐35'05	1°23'28	opposition	-9465 Jan 13 j 10:04	16°♐14'31	2°04'01
max. Earth dist.	-9471 Jan 13 j 16:50	15°♐55'14	6.06985 AU	min. Earth dist.	-9465 Jan 14 j 09:22	16°♐07'07	4.33549 AU
morning rise	-9471 Jan 25 j 22:53	18°♐46'16			-9465 Jan 23 j 06:42	15°♐	
	-9471 Mar 19 j 01:21	0°♑		direct	-9465 Mar 16 j 22:14	11°♐15'12	
retrograde	-9471 Jun 05 j 05:07	8°♑31'36			-9465 May 07 j 11:50	15°♐	
opposition	-9471 Aug 03 j 16:31	3°♑26'45	-2°21'10	evening set	-9465 Jul 21 j 09:51	29°♐19'00	
min. Earth dist.	-9471 Aug 02 j 19:31	3°♑33'57	4.09123 AU		-9465 Jul 24 j 11:00	0°♑	
	-9471 Aug 31 j 15:28	30°♑					
direct	-9471 Oct 01 j 01:34	28°♑27'17		conjunction	-9465 Aug 02 j 20:36	2°♑07'03	1°35'23
	-9471 Oct 31 j 18:11	0°♒		minimum elong	-9465 Aug 02 j 20:34	2°♑07'02	1°35'51
evening set	-9470 Feb 04 j 16:26	17°♒34'26		max. Earth dist.	-9465 Aug 01 j 14:06	1°♑49'51	6.31483 AU
				morning rise	-9465 Aug 15 j 05:55	4°♑54'27	
conjunction	-9470 Feb 18 j 09:21	20°♒43'17	-1°37'15	retrograde	-9465 Dec 16 j 11:25	22°♑39'34	
minimum elong	-9470 Feb 18 j 09:22	20°♒43'17	1°37'48	opposition	-9464 Feb 15 j 18:04	17°♑46'59	2°24'56
max. Earth dist.	-9470 Feb 19 j 12:33	20°♒58'56	6.11977 AU	min. Earth dist.	-9464 Feb 16 j 12:38	17°♑41'06	4.28769 AU
morning rise	-9470 Mar 04 j 02:49	23°♒52'17		direct	-9464 Apr 17 j 16:24	12°♑50'41	
	-9470 Mar 31 j 17:07	0°♓			-9464 Aug 16 j 08:47	0°♓	
retrograde	-9470 Jul 09 j 13:17	12°♓58'21		evening set	-9464 Aug 20 j 15:55	0°♓58'24	
opposition	-9470 Sep 06 j 14:43	7°♓55'47	-2°15'17	max. Earth dist.	-9464 Sep 01 j 06:46	3°♓37'37	6.25116 AU
min. Earth dist.	-9470 Sep 06 j 03:06	7°♓59'46	4.15742 AU				
direct	-9470 Nov 04 j 21:59	2°♓53'17		conjunction	-9464 Sep 02 j 01:24	3°♓48'17	1°34'25
evening set	-9469 Mar 12 j 23:33	21°♓49'49		minimum elong	-9464 Sep 02 j 01:27	3°♓48'19	1°35'01
				morning rise	-9464 Sep 14 j 11:02	6°♓38'27	
conjunction	-9469 Mar 26 j 16:14	24°♓55'21	-1°17'10	retrograde	-9463 Jan 18 j 15:19	25°♓03'34	

Attention, astronomical year style is used: The year -9463 in astronomical counting style is the year 9464 BCE in historical counting style.

opposition	-9463 Mar 21 j 02:44	20° ♁ 08'22	2°02'00	direct	-9458 Nov 09 j 18:29	7° ♁ 49'40	
min. Earth dist.	-9463 Mar 21 j 11:21	20° ♁ 05'37	4.21217 AU	evening set	-9457 Mar 18 j 01:20	26° ♁ 44'00	
direct	-9463 May 20 j 23:55	15° ♁ 14'31					
	-9463 Sep 06 j 01:07	0° Ω		conjunction	-9457 Mar 31 j 17:33	29° ♁ 48'53	-1°11'56
evening set	-9463 Sep 21 j 15:21	3° Ω 32'53		minimum elong	-9457 Mar 31 j 17:38	29° ♁ 48'56	1°12'28
				max. Earth dist.	-9457 Apr 01 j 00:46	29° ♁ 52'57	6.20943 AU
conjunction	-9463 Oct 04 j 05:52	6° Ω 28'22	1°04'01		-9457 Apr 01 j 13:15	0° \approx	
minimum elong	-9463 Oct 04 j 05:57	6° Ω 28'25	1°04'31	morning rise	-9457 Apr 14 j 08:12	2° \approx 52'47	
max. Earth dist.	-9463 Oct 04 j 02:31	6° Ω 26'25	6.17073 AU		-9457 Jun 12 j 20:35	15° \approx	
morning rise	-9463 Oct 16 j 22:43	9° Ω 25'09		retrograde	-9457 Aug 16 j 00:28	21° \approx 02'40	
	-9463 Nov 10 j 17:43	15° Ω		opposition	-9457 Oct 14 j 03:39	16° \approx 04'21	-1°14'40
retrograde	-9462 Feb 23 j 01:44	28° Ω 35'13		min. Earth dist.	-9457 Oct 14 j 05:21	16° \approx 03'46	4.25096 AU
opposition	-9462 Apr 25 j 09:01	23° Ω 36'13	0°58'17		-9457 Oct 22 j 04:58	15° \approx	
min. Earth dist.	-9462 Apr 25 j 03:33	23° Ω 38'00	4.13198 AU	direct	-9457 Dec 13 j 21:14	11° \approx 00'11	
direct	-9462 Jun 23 j 23:25	18° Ω 43'18			-9456 Feb 04 j 13:00	15° \approx	
	-9462 Sep 22 j 13:40	0° ♁		evening set	-9456 Apr 20 j 15:31	29° \approx 34'21	
evening set	-9462 Oct 25 j 01:06	7° ♁ 17'55			-9456 Apr 22 j 13:52	0° ♁	
conjunction	-9462 Nov 07 j 00:56	10° ♁ 20'37	0°11'35	conjunction	-9456 May 04 j 02:51	2° ♁ 34'04	-0°24'49
minimum elong	-9462 Nov 07 j 00:57	10° ♁ 20'37	0°11'50	minimum elong	-9456 May 04 j 02:53	2° ♁ 34'06	0°25'08
behind sun begin	-9462 Nov 06 j 19:15	10° ♁ 17'17		max. Earth dist.	-9456 May 03 j 15:42	2° ♁ 27'52	6.28823 AU
behind sun end	-9462 Nov 07 j 06:40	10° ♁ 23'58		morning rise	-9456 May 17 j 10:52	5° ♁ 32'06	
max. Earth dist.	-9462 Nov 07 j 17:54	10° ♁ 30'34	6.09888 AU	retrograde	-9456 Sep 15 j 16:39	23° ♁ 02'54	
morning rise	-9462 Nov 20 j 03:57	13° ♁ 25'09		asc. node	-9456 Nov 03 j 08:08	19° ♁ 33'18	
desc. node	-9461 Jan 25 j 02:58	27° ♁ 09'48		opposition	-9456 Nov 14 j 07:13	18° ♁ 08'10	0°02'13
	-9461 Feb 13 j 01:32	0° $\underline{\Omega}$		min. Earth dist.	-9456 Nov 14 j 19:44	18° ♁ 04'03	4.31842 AU
retrograde	-9461 Mar 31 j 09:34	3° $\underline{\Omega}$ 11'30		direct	-9455 Jan 15 j 02:36	13° ♁ 04'26	
	-9461 May 16 j 20:07	30° ♁			-9455 May 17 j 13:06	0° ♁	
min. Earth dist.	-9461 May 30 j 10:29	28° ♁ 14'19	4.07457 AU	evening set	-9455 May 23 j 15:33	1° ♁ 20'11	
opposition	-9461 May 31 j 02:56	28° ♁ 08'51	-0°27'48				
direct	-9461 Jul 28 j 16:57	23° ♁ 15'02		conjunction	-9455 Jun 05 j 17:53	4° ♁ 14'10	0°28'51
	-9461 Oct 03 j 14:41	0° $\underline{\Omega}$		minimum elong	-9455 Jun 05 j 17:50	4° ♁ 14'09	0°28'49
evening set	-9461 Nov 29 j 06:08	12° $\underline{\Omega}$ 07'57		max. Earth dist.	-9455 Jun 04 j 15:20	3° ♁ 59'26	6.33927 AU
conjunction	-9461 Dec 12 j 14:43	15° $\underline{\Omega}$ 16'09	-0°46'02	morning rise	-9455 Jun 18 j 16:49	7° ♁ 06'25	
minimum elong	-9461 Dec 12 j 14:38	15° $\underline{\Omega}$ 16'06	0°46'06	retrograde	-9455 Oct 17 j 04:17	24° ♁ 19'58	
max. Earth dist.	-9461 Dec 13 j 21:02	15° $\underline{\Omega}$ 33'59	6.06093 AU	opposition	-9455 Dec 16 j 08:52	19° ♁ 27'40	1°16'49
morning rise	-9461 Dec 26 j 02:54	18° $\underline{\Omega}$ 26'11		min. Earth dist.	-9455 Dec 17 j 06:29	19° ♁ 20'43	4.34993 AU
	-9460 Feb 17 j 14:24	0° ♁		direct	-9454 Feb 16 j 21:02	14° ♁ 25'52	
retrograde	-9460 May 05 j 16:27	8° ♁ 25'52			-9454 Jun 12 j 23:41	0° ♁	
opposition	-9460 Jul 04 j 17:06	3° ♁ 21'00	-1°45'05	evening set	-9454 Jun 24 j 10:32	2° ♁ 30'28	
min. Earth dist.	-9460 Jul 03 j 18:12	3° ♁ 28'46	4.06098 AU	max. Earth dist.	-9454 Jul 05 j 18:40	5° ♁ 01'44	6.34776 AU
	-9460 Jul 31 j 23:24	30° ♁		conjunction	-9454 Jul 07 j 03:19	5° ♁ 19'56	1°13'28
direct	-9460 Aug 31 j 19:53	28° $\underline{\Omega}$ 24'30		minimum elong	-9454 Jul 07 j 03:14	5° ♁ 19'53	1°13'44
	-9460 Oct 01 j 18:23	0° ♁		morning rise	-9454 Jul 19 j 17:14	8° ♁ 08'02	
	-9460 Dec 23 j 23:20	15° ♁			-9454 Aug 20 j 21:14	15° ♁	
evening set	-9459 Jan 03 j 21:43	17° ♁ 30'56		retrograde	-9454 Nov 18 j 00:24	25° ♁ 28'33	
conjunction	-9459 Jan 17 j 12:20	20° ♁ 41'02	-1°27'11	opposition	-9453 Jan 17 j 21:14	20° ♁ 36'55	2°09'06
minimum elong	-9459 Jan 17 j 12:15	20° ♁ 40'59	1°27'35	min. Earth dist.	-9453 Jan 18 j 20:09	20° ♁ 29'38	4.33621 AU
max. Earth dist.	-9459 Jan 18 j 23:17	21° ♁ 01'25	6.07174 AU	direct	-9453 Mar 21 j 08:19	15° ♁ 37'57	
morning rise	-9459 Jan 31 j 05:06	23° ♁ 52'11			-9453 Jul 08 j 22:54	0° ♁	
	-9459 Feb 27 j 10:30	0° ♁		evening set	-9453 Jul 25 j 14:58	3° ♁ 40'25	
retrograde	-9459 Jun 10 j 05:34	13° ♁ 34'29		max. Earth dist.	-9453 Aug 05 j 19:43	6° ♁ 11'41	6.31165 AU
opposition	-9459 Aug 08 j 13:43	8° ♁ 29'53	-2°23'31	conjunction	-9453 Aug 07 j 01:09	6° ♁ 28'18	1°36'57
min. Earth dist.	-9459 Aug 07 j 18:19	8° ♁ 36'31	4.09634 AU	minimum elong	-9453 Aug 07 j 01:07	6° ♁ 28'17	1°37'26
direct	-9459 Oct 06 j 01:15	3° ♁ 30'00		morning rise	-9453 Aug 19 j 09:56	9° ♁ 15'37	
evening set	-9458 Feb 09 j 21:49	22° ♁ 37'20		retrograde	-9453 Dec 21 j 00:02	27° ♁ 04'23	
				opposition	-9452 Feb 20 j 07:23	22° ♁ 11'37	2°24'24
conjunction	-9458 Feb 23 j 14:58	25° ♁ 45'57	-1°36'22	min. Earth dist.	-9452 Feb 21 j 02:16	22° ♁ 05'38	4.28068 AU
minimum elong	-9458 Feb 23 j 14:59	25° ♁ 45'57	1°36'56	direct	-9452 Apr 22 j 03:45	17° ♁ 15'40	
max. Earth dist.	-9458 Feb 24 j 17:02	26° ♁ 00'55	6.12780 AU		-9452 Jul 31 j 12:59	0° ♁	
morning rise	-9458 Mar 09 j 08:23	28° ♁ 54'34		evening set	-9452 Aug 24 j 21:35	5° ♁ 24'04	
	-9458 Mar 14 j 03:37	0° ♁					
retrograde	-9458 Jul 14 j 06:52	17° ♁ 54'26		conjunction	-9452 Sep 06 j 07:17	8° ♁ 14'30	1°31'58
opposition	-9458 Sep 11 j 08:45	12° ♁ 52'24	-2°10'25	minimum elong	-9452 Sep 06 j 07:20	8° ♁ 14'32	1°32'33
min. Earth dist.	-9458 Sep 10 j 21:17	12° ♁ 56'18	4.16789 AU	max. Earth dist.	-9452 Sep 05 j 12:06	8° ♁ 03'30	6.24087 AU

Attention, astronomical year style is used: The year -9452 in astronomical counting style is the year 9453 BCE in historical counting style.

morning rise	-9452 Sep 18 j 17:41	11° ☾ 05'24		opposition	-9446 Sep 16 j 01:47	17° ☾ 45'46	-2°04'38
retrograde	-9451 Jan 23 j 07:47	29° ☾ 36'50		min. Earth dist.	-9446 Sep 15 j 16:27	17° ☾ 48'57	4.18018 AU
opposition	-9451 Mar 25 j 19:13	24° ☾ 41'09	1°55'34	direct	-9446 Nov 14 j 17:06	12° ☾ 42'39	
min. Earth dist.	-9451 Mar 26 j 02:08	24° ☾ 38'56	4.19919 AU		-9445 Mar 16 j 00:34	0° ☾	
direct	-9451 May 25 j 11:32	19° ☾ 47'28		evening set	-9445 Mar 23 j 01:04	1° ☾ 33'46	
	-9451 Aug 20 j 03:08	0° ♈					
evening set	-9451 Sep 26 j 01:12	8° ♈ 08'45		conjunction	-9445 Apr 05 j 17:00	4° ☾ 37'57	-1°06'16
				minimum elong	-9445 Apr 05 j 17:06	4° ☾ 38'00	1°06'47
conjunction	-9451 Oct 08 j 17:02	11° ♈ 05'23	0°57'57	max. Earth dist.	-9445 Apr 05 j 23:04	4° ☾ 41'22	6.22263 AU
minimum elong	-9451 Oct 08 j 17:07	11° ♈ 05'26	0°58'26	morning rise	-9445 Apr 19 j 06:48	7° ☾ 40'59	
max. Earth dist.	-9451 Oct 08 j 16:40	11° ♈ 05'10	6.15647 AU		-9445 May 23 j 07:19	15° ☾	
morning rise	-9451 Oct 21 j 11:03	14° ♈ 03'21		retrograde	-9445 Aug 20 j 12:01	25° ☾ 43'43	
	-9451 Oct 25 j 13:15	15° ♈		opposition	-9445 Oct 18 j 17:13	20° ☾ 45'53	-1°04'31
	-9450 Jan 11 j 05:39	0° ♏		min. Earth dist.	-9445 Oct 18 j 19:43	20° ☾ 45'03	4.26354 AU
retrograde	-9450 Feb 28 j 00:38	3° ♏ 20'42		direct	-9445 Dec 18 j 14:17	15° ☾ 41'40	
	-9450 Apr 17 j 07:57	30° ♏ 0			-9444 Apr 06 j 00:05	0° ♏	
opposition	-9450 Apr 30 j 05:07	28° ♈ 21'14	0°47'22	evening set	-9444 Apr 25 j 09:14	4° ♏ 12'17	
min. Earth dist.	-9450 Apr 29 j 23:08	28° ♈ 23'11	4.11752 AU				
direct	-9450 Jun 28 j 15:46	23° ♈ 28'19		conjunction	-9444 May 08 j 19:18	7° ♏ 11'05	-0°17'17
	-9450 Sep 02 j 20:58	0° ♏		minimum elong	-9444 May 08 j 19:20	7° ♏ 11'06	0°17'33
evening set	-9450 Oct 29 j 18:20	12° ♏ 07'24		max. Earth dist.	-9444 May 08 j 04:23	7° ♏ 02'48	6.29909 AU
				morning rise	-9444 May 22 j 02:17	10° ♏ 08'13	
conjunction	-9450 Nov 11 j 19:25	15° ♏ 11'17	0°03'36	asc. node	-9444 Sep 13 j 08:10	27° ♏ 30'04	
minimum elong	-9450 Nov 11 j 19:26	15° ♏ 11'17	0°03'48	retrograde	-9444 Sep 20 j 03:37	27° ♏ 34'38	
behind sun begin	-9450 Nov 11 j 11:21	15° ♏ 06'34		opposition	-9444 Nov 18 j 19:12	22° ♏ 40'19	0°13'21
behind sun end	-9450 Nov 12 j 03:31	15° ♏ 16'01		min. Earth dist.	-9444 Nov 19 j 10:13	22° ♏ 35'25	4.32664 AU
max. Earth dist.	-9450 Nov 12 j 13:01	15° ♏ 21'38	6.08565 AU	direct	-9443 Jan 19 j 19:03	17° ♏ 36'44	
morning rise	-9450 Nov 25 j 00:09	18° ♏ 17'07			-9443 Apr 30 j 20:33	0° ♏	
desc. node	-9450 Dec 05 j 23:03	20° ♏ 49'17		evening set	-9443 May 28 j 03:59	5° ♏ 50'01	
	-9449 Jan 18 j 08:37	0° ♏		max. Earth dist.	-9443 Jun 09 j 01:47	8° ♏ 28'06	6.34410 AU
retrograde	-9449 Apr 05 j 10:07	8° ♏ 09'11					
min. Earth dist.	-9449 Jun 04 j 06:48	3° ♏ 12'20	4.06401 AU	conjunction	-9443 Jun 10 j 05:06	8° ♏ 43'15	0°35'58
opposition	-9449 Jun 05 j 01:27	3° ♏ 06'07	-0°39'42	minimum elong	-9443 Jun 10 j 05:02	8° ♏ 43'13	0°35'59
	-9449 Jun 30 j 07:25	30° ♏ 0		morning rise	-9443 Jun 23 j 02:33	11° ♏ 34'43	
direct	-9449 Aug 02 j 11:34	28° ♏ 12'01		retrograde	-9443 Oct 21 j 13:19	28° ♏ 47'33	
	-9449 Sep 04 j 12:07	0° ♏		opposition	-9443 Dec 20 j 21:06	23° ♏ 55'28	1°25'52
evening set	-9449 Dec 04 j 06:54	17° ♏ 09'26		min. Earth dist.	-9443 Dec 21 j 18:36	23° ♏ 48'34	4.35128 AU
				direct	-9442 Feb 21 j 08:59	18° ♏ 54'01	
conjunction	-9449 Dec 17 j 16:46	20° ♏ 18'27	-0°53'08		-9442 May 27 j 02:13	0° ♏	
minimum elong	-9449 Dec 17 j 16:41	20° ♏ 18'24	0°53'16	evening set	-9442 Jun 28 j 19:56	6° ♏ 57'46	
max. Earth dist.	-9449 Dec 19 j 01:37	20° ♏ 37'47	6.05405 AU	max. Earth dist.	-9442 Jul 10 j 02:06	9° ♏ 28'10	6.34533 AU
morning rise	-9449 Dec 31 j 05:51	23° ♏ 29'11					
	-9448 Jan 28 j 23:40	0° ♏		conjunction	-9442 Jul 11 j 11:26	9° ♏ 46'47	1°18'14
retrograde	-9448 May 10 j 19:28	13° ♏ 30'23		minimum elong	-9442 Jul 11 j 11:21	9° ♏ 46'45	1°18'33
opposition	-9448 Jul 09 j 16:08	8° ♏ 25'20	-1°53'18	morning rise	-9442 Jul 24 j 00:23	12° ♏ 34'34	
min. Earth dist.	-9448 Jul 08 j 17:37	8° ♏ 33'00	4.05860 AU		-9442 Aug 04 j 00:41	15° ♏	
direct	-9448 Sep 05 j 19:18	3° ♏ 28'23		retrograde	-9442 Nov 22 j 14:47	29° ♏ 57'58	
	-9448 Dec 06 j 01:05	15° ♏		opposition	-9441 Jan 22 j 12:12	25° ♏ 06'21	2°13'44
evening set	-9447 Jan 09 j 03:18	22° ♏ 37'12		min. Earth dist.	-9441 Jan 23 j 12:01	24° ♏ 58'48	4.33023 AU
				direct	-9441 Mar 25 j 22:52	20° ♏ 07'49	
conjunction	-9447 Jan 22 j 18:30	25° ♏ 47'26	-1°30'33		-9441 Jun 21 j 14:01	0° ♏	
minimum elong	-9447 Jan 22 j 18:26	25° ♏ 47'24	1°30'58	evening set	-9441 Jul 29 j 23:39	8° ♏ 10'57	
max. Earth dist.	-9447 Jan 24 j 06:01	26° ♏ 08'07	6.07392 AU	max. Earth dist.	-9441 Aug 10 j 04:12	10° ♏ 42'28	6.30245 AU
morning rise	-9447 Feb 05 j 11:42	28° ♏ 58'36					
	-9447 Feb 09 j 22:19	0° ♏		conjunction	-9441 Aug 11 j 09:23	10° ♏ 59'00	1°38'03
retrograde	-9447 Jun 15 j 02:49	18° ♏ 36'56		minimum elong	-9441 Aug 11 j 09:22	10° ♏ 58'59	1°38'34
opposition	-9447 Aug 13 j 10:16	13° ♏ 32'29	-2°24'44	morning rise	-9441 Aug 23 j 18:03	13° ♏ 46'37	
min. Earth dist.	-9447 Aug 12 j 14:23	13° ♏ 39'17	4.10296 AU		-9441 Nov 22 j 06:20	0° ☾	
direct	-9447 Oct 10 j 23:04	8° ♏ 32'07		retrograde	-9441 Dec 25 j 17:09	1° ☾ 41'08	
evening set	-9446 Feb 15 j 02:50	27° ♏ 38'38			-9440 Jan 28 j 11:06	30° ♏ 0	
	-9446 Feb 25 j 10:16	0° ☾		opposition	-9440 Feb 25 j 01:58	26° ♏ 48'05	2°23'03
				min. Earth dist.	-9440 Feb 25 j 18:45	26° ♏ 42'45	4.26905 AU
conjunction	-9446 Feb 28 j 19:58	0° ☾ 46'49	-1°34'45	direct	-9440 Apr 26 j 17:37	21° ♏ 52'33	
minimum elong	-9446 Feb 28 j 20:00	0° ☾ 46'50	1°35'19		-9440 Jul 13 j 01:08	0° ☾	
max. Earth dist.	-9446 Mar 01 j 19:36	1° ☾ 00'21	6.13803 AU	evening set	-9440 Aug 29 j 08:37	10° ☾ 03'01	
morning rise	-9446 Mar 14 j 13:17	3° ☾ 54'54					
retrograde	-9446 Jul 19 j 00:27	22° ☾ 47'28		conjunction	-9440 Sep 10 j 18:54	12° ☾ 54'13	1°28'50

Attention, astronomical year style is used: The year -9440 in astronomical counting style is the year 9441 BCE in historical counting style.

minimum elong	-9440 Sep 10 j 18:58	12° $\overline{54}$ '15	1°29'24	minimum elong	-9434 Mar 05 j 20:27	5° $\overline{37}$ '49	1°33'07
max. Earth dist.	-9440 Sep 10 j 02:54	12° $\overline{54}$ '59	6.22794 AU	max. Earth dist.	-9434 Mar 06 j 18:48	5° $\overline{30}$ '35	6.15187 AU
morning rise	-9440 Sep 23 j 05:56	15° $\overline{54}$ '58		morning rise	-9434 Mar 19 j 13:14	8° $\overline{45}$ '04	
	-9440 Dec 03 j 19:52	0° Ω		retrograde	-9434 Jul 23 j 13:02	27° $\overline{29}$ '44	
retrograde	-9439 Jan 28 j 08:02	4° Ω 24'32		opposition	-9434 Sep 20 j 14:27	22° $\overline{28}$ '35	-1°58'15
	-9439 Mar 26 j 15:21	30° \overline{R} $\overline{5}$		min. Earth dist.	-9434 Sep 20 j 06:34	22° $\overline{31}$ '16	4.19372 AU
opposition	-9439 Mar 30 j 17:59	29° $\overline{28}$ '27	1°48'02	direct	-9434 Nov 19 j 09:33	17° $\overline{25}$ '13	
min. Earth dist.	-9439 Mar 30 j 23:54	29° $\overline{26}$ '33	4.18588 AU		-9433 Feb 27 j 03:47	0° \approx	
direct	-9439 May 30 j 06:36	24° $\overline{35}$ '04		evening set	-9433 Mar 27 j 20:06	6° \approx 13'03	
	-9439 Jul 29 j 22:06	0° Ω					
evening set	-9439 Sep 30 j 17:06	12° Ω 59'09		conjunction	-9433 Apr 10 j 11:19	9° \approx 16'30	-1°00'25
	-9439 Oct 09 j 08:42	15° Ω		minimum elong	-9433 Apr 10 j 11:24	9° \approx 16'33	1°00'54
				max. Earth dist.	-9433 Apr 10 j 12:24	9° \approx 17'07	6.23474 AU
conjunction	-9439 Oct 13 j 10:02	15° Ω 56'51	0°51'10	morning rise	-9433 Apr 24 j 00:33	12° \approx 18'46	
minimum elong	-9439 Oct 13 j 10:07	15° Ω 56'53	0°51'37		-9433 May 06 j 04:23	15° \approx	
max. Earth dist.	-9439 Oct 13 j 11:38	15° Ω 57'47	6.14427 AU		-9433 Aug 12 j 09:56	0° \overline{H}	
morning rise	-9439 Oct 26 j 05:39	18° Ω 56'03		retrograde	-9433 Aug 24 j 21:20	0° \overline{H} 15'30	
	-9439 Dec 16 j 17:13	0° \overline{M}			-9433 Sep 06 j 07:22	30° \overline{R} \approx	
retrograde	-9438 Mar 05 j 02:21	8° \overline{M} 19'36		opposition	-9433 Oct 23 j 03:05	25° \approx 18'11	-0°54'23
opposition	-9438 May 05 j 06:33	3° \overline{M} 19'38	0°35'32	min. Earth dist.	-9433 Oct 23 j 08:23	25° \approx 16'24	4.27311 AU
min. Earth dist.	-9438 May 04 j 21:16	3° \overline{M} 22'40	4.10775 AU	direct	-9433 Dec 23 j 04:52	20° \approx 13'51	
	-9438 Jun 02 j 08:27	30° \overline{R} Ω			-9432 Mar 19 j 08:56	0° \overline{H}	
direct	-9438 Jul 03 j 12:17	28° Ω 26'46		evening set	-9432 Apr 29 j 22:55	8° \overline{H} 42'15	
	-9438 Aug 03 j 10:46	0° \overline{M}					
desc. node	-9438 Oct 14 j 23:59	12° \overline{M} 37'05		conjunction	-9432 May 13 j 08:07	11° \overline{H} 40'25	-0°09'54
evening set	-9438 Nov 03 j 16:17	17° \overline{M} 08'26		minimum elong	-9432 May 13 j 08:08	11° \overline{H} 40'25	0°10'09
				behind sun begin	-9432 May 13 j 01:38	11° \overline{H} 36'49	
conjunction	-9438 Nov 16 j 18:47	20° \overline{M} 13'12	-0°04'53	behind sun end	-9432 May 13 j 14:38	11° \overline{H} 44'01	
minimum elong	-9438 Nov 16 j 18:47	20° \overline{M} 13'12	0°04'43	max. Earth dist.	-9432 May 12 j 15:43	11° \overline{H} 31'18	6.30553 AU
behind sun begin	-9438 Nov 16 j 10:48	20° \overline{M} 08'31		morning rise	-9432 May 26 j 13:47	14° \overline{H} 36'47	
behind sun end	-9438 Nov 17 j 02:47	20° \overline{M} 17'53		asc. node	-9432 Jul 25 j 06:49	26° \overline{H} 31'38	
max. Earth dist.	-9438 Nov 17 j 16:26	20° \overline{M} 25'56	6.07944 AU		-9432 Aug 19 j 14:44	0° \overline{Y}	
morning rise	-9438 Nov 30 j 00:44	23° \overline{M} 19'53		retrograde	-9432 Sep 24 j 11:04	2° \overline{Y} 00'45	
	-9438 Dec 29 j 11:40	0° \underline{A}			-9432 Oct 30 j 11:57	30° \overline{R} \overline{H}	
retrograde	-9437 Apr 10 j 14:48	13° \underline{A} 14'34		opposition	-9432 Nov 23 j 04:47	27° \overline{H} 06'52	0°24'05
min. Earth dist.	-9437 Jun 09 j 07:37	8° \underline{A} 17'33	4.06217 AU	min. Earth dist.	-9432 Nov 23 j 20:38	27° \overline{H} 01'41	4.32958 AU
opposition	-9437 Jun 10 j 02:56	8° \underline{A} 11'05	-0°51'37	direct	-9431 Jan 24 j 05:39	22° \overline{H} 03'30	
direct	-9437 Aug 07 j 12:12	3° \underline{A} 16'42			-9431 Apr 12 j 08:18	0° \overline{Y}	
evening set	-9437 Dec 09 j 09:55	22° \underline{A} 15'22		evening set	-9431 Jun 01 j 14:19	10° \overline{Y} 16'08	
				max. Earth dist.	-9431 Jun 13 j 07:44	12° \overline{Y} 52'01	6.34318 AU
conjunction	-9437 Dec 22 j 20:37	25° \underline{A} 24'37	-0°59'58				
minimum elong	-9437 Dec 22 j 20:31	25° \underline{A} 24'33	1°00'09	conjunction	-9431 Jun 14 j 13:58	13° \overline{Y} 08'49	0°42'43
max. Earth dist.	-9437 Dec 24 j 07:06	25° \underline{A} 44'52	6.05659 AU	minimum elong	-9431 Jun 14 j 13:54	13° \overline{Y} 08'47	0°42'47
morning rise	-9436 Jan 05 j 10:32	28° \underline{A} 35'31		morning rise	-9431 Jun 27 j 10:21	15° \overline{Y} 59'49	
	-9436 Jan 11 j 12:08	0° \overline{M}			-9431 Sep 09 j 15:14	0° \overline{B}	
	-9436 Mar 28 j 06:17	15° \overline{M}		retrograde	-9431 Oct 26 j 01:02	3° \overline{B} 14'06	
retrograde	-9436 May 15 j 18:43	18° \overline{M} 34'01			-9431 Dec 12 j 09:28	30° \overline{R} \overline{Y}	
	-9436 Jul 03 j 06:31	15° \overline{R} \overline{M}		opposition	-9431 Dec 25 j 09:10	28° \overline{Y} 22'11	1°34'19
opposition	-9436 Jul 14 j 14:13	13° \overline{M} 28'54	-2°00'35	min. Earth dist.	-9431 Dec 26 j 08:14	28° \overline{Y} 14'47	4.34681 AU
min. Earth dist.	-9436 Jul 13 j 14:46	13° \overline{M} 36'53	4.06561 AU	direct	-9430 Feb 25 j 22:00	23° \overline{Y} 21'04	
direct	-9436 Sep 10 j 16:53	8° \overline{M} 31'30			-9430 May 07 j 13:54	0° \overline{B}	
	-9436 Nov 15 j 07:05	15° \overline{M}		evening set	-9430 Jul 03 j 04:56	11° \overline{B} 25'41	
evening set	-9435 Jan 14 j 07:17	27° \overline{M} 39'25		max. Earth dist.	-9430 Jul 14 j 11:04	13° \overline{B} 56'23	6.33756 AU
	-9435 Jan 24 j 09:56	0° \overline{X}					
conjunction	-9435 Jan 27 j 22:46	0° \overline{X} 49'17	-1°33'13	conjunction	-9430 Jul 15 j 19:34	14° \overline{B} 14'34	1°22'30
minimum elong	-9435 Jan 27 j 22:42	0° \overline{X} 49'15	1°33'41	minimum elong	-9430 Jul 15 j 19:30	14° \overline{B} 14'32	1°22'50
max. Earth dist.	-9435 Jan 29 j 08:26	1° \overline{X} 08'51	6.08436 AU	morning rise	-9430 Jul 19 j 04:41	15° \overline{B}	
morning rise	-9435 Feb 10 j 16:08	3° \overline{X} 59'59			-9430 Oct 02 j 10:50	0° \overline{II}	
retrograde	-9435 Jun 19 j 21:01	23° \overline{X} 31'35		retrograde	-9430 Nov 27 j 04:15	4° \overline{II} 30'14	
min. Earth dist.	-9435 Aug 17 j 09:33	18° \overline{X} 33'34	4.11565 AU		-9429 Jan 24 j 08:16	30° \overline{R} \overline{B}	
opposition	-9435 Aug 18 j 03:40	18° \overline{X} 27'22	-2°24'50	opposition	-9429 Jan 27 j 04:05	29° \overline{B} 38'30	2°17'32
direct	-9435 Oct 15 j 20:43	13° \overline{X} 26'30		min. Earth dist.	-9429 Jan 28 j 02:15	29° \overline{B} 31'28	4.32002 AU
	-9434 Feb 09 j 00:23	0° \overline{Z}		direct	-9429 Mar 30 j 11:13	24° \overline{B} 40'26	
evening set	-9434 Feb 20 j 03:08	2° \overline{Z} 30'11			-9429 May 31 j 13:12	0° \overline{II}	
				evening set	-9429 Aug 03 j 09:44	12° \overline{II} 45'22	
conjunction	-9434 Mar 05 j 20:24	5° \overline{Z} 37'47	-1°32'33				

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Attention, astronomical year style is used: The year -9429 in astronomical counting style is the year 9430 BCE in historical counting style.

conjunction	-9429 Aug 15 j 19:08	15° Π 33'44	1°38'31	conjunction	-9423 Feb 02 j 02:31	5° J 48'20	-1°35'14
minimum elong	-9429 Aug 15 j 19:07	15° Π 33'43	1°39'03	minimum elong	-9423 Feb 02 j 02:29	5° J 48'19	1°35'44
max. Earth dist.	-9429 Aug 14 j 15:44	15° Π 18'10	6.29060 AU	max. Earth dist.	-9423 Feb 03 j 12:12	6° J 07'51	6.09347 AU
morning rise	-9429 Aug 28 j 03:46	18° Π 21'48		morning rise	-9423 Feb 15 j 19:51	8° J 58'36	
	-9429 Oct 23 j 20:59	0° E		retrograde	-9423 Jun 24 j 15:29	28° J 24'01	
retrograde	-9429 Dec 30 j 14:28	6° E 22'45		opposition	-9423 Aug 22 j 20:23	23° J 20'13	-2°24'01
opposition	-9428 Feb 29 j 22:44	1° E 29'20	2°20'42	min. Earth dist.	-9423 Aug 22 j 03:33	23° J 25'58	4.12644 AU
min. Earth dist.	-9428 Mar 01 j 14:41	1° E 24'16	4.25633 AU	direct	-9423 Oct 20 j 16:17	18° J 18'59	
	-9428 Mar 12 j 20:30	30° R Π			-9422 Jan 22 j 13:09	0° E	
direct	-9428 May 01 j 11:54	26° Π 34'10		evening set	-9422 Feb 25 j 03:45	7° E 20'47	
	-9428 Jun 18 j 18:25	0° E					
evening set	-9428 Sep 02 j 21:20	14° E 46'34		conjunction	-9422 Mar 10 j 20:49	10° E 27'52	-1°29'45
				minimum elong	-9422 Mar 10 j 20:53	10° E 27'55	1°30'20
conjunction	-9428 Sep 15 j 08:16	17° E 38'33	1°25'02	max. Earth dist.	-9422 Mar 11 j 14:50	10° E 38'08	6.16338 AU
minimum elong	-9428 Sep 15 j 08:20	17° E 38'36	1°25'36	morning rise	-9422 Mar 24 j 13:32	13° E 34'34	
max. Earth dist.	-9428 Sep 14 j 18:53	17° E 30'50	6.21553 AU		-9422 Jun 20 j 20:10	0° \approx	
morning rise	-9428 Sep 27 j 20:18	20° E 31'16		retrograde	-9422 Jul 28 j 01:56	2° \approx 12'21	
	-9428 Nov 10 j 18:51	0° Ω			-9422 Sep 03 j 02:54	30° R E	
retrograde	-9427 Feb 02 j 07:11	9° Ω 16'17		opposition	-9422 Sep 25 j 03:34	27° E 11'43	-1°51'10
opposition	-9427 Apr 04 j 18:15	4° Ω 19'37	1°39'35	min. Earth dist.	-9422 Sep 24 j 21:45	27° E 13'41	4.20486 AU
min. Earth dist.	-9427 Apr 04 j 20:42	4° Ω 18'50	4.17467 AU	direct	-9422 Nov 24 j 03:04	22° E 08'05	
	-9427 May 16 j 08:40	30° R E			-9421 Feb 07 j 23:51	0° \approx	
direct	-9427 Jun 04 j 01:38	29° E 26'26		evening set	-9421 Apr 01 j 15:39	10° \approx 53'35	
	-9427 Jun 22 j 18:50	0° Ω					
	-9427 Sep 22 j 22:32	15° Ω		conjunction	-9421 Apr 15 j 06:27	13° \approx 56'26	-0°54'08
evening set	-9427 Oct 05 j 10:24	17° Ω 52'16		minimum elong	-9421 Apr 15 j 06:32	13° \approx 56'29	0°54'35
				max. Earth dist.	-9421 Apr 15 j 05:37	13° \approx 55'58	6.24492 AU
conjunction	-9427 Oct 18 j 04:36	20° Ω 50'54	0°43'57		-9421 Apr 19 j 23:45	15° \approx	
minimum elong	-9427 Oct 18 j 04:40	20° Ω 50'56	0°44'22	morning rise	-9421 Apr 28 j 18:45	16° \approx 57'57	
max. Earth dist.	-9427 Oct 18 j 10:06	20° Ω 54'06	6.13525 AU		-9421 Jul 03 j 13:26	0° H	
morning rise	-9427 Oct 31 j 01:32	23° Ω 51'06		retrograde	-9421 Aug 29 j 07:51	4° H 49'29	
	-9427 Nov 27 j 07:40	0° H			-9421 Oct 26 j 16:31	30° R \approx	
retrograde	-9426 Mar 10 j 06:27	13° H 19'16		opposition	-9421 Oct 27 j 14:18	29° \approx 52'46	-0°43'49
opposition	-9426 May 10 j 08:10	8° H 18'42	0°23'22	min. Earth dist.	-9421 Oct 27 j 21:13	29° \approx 50'28	4.28138 AU
min. Earth dist.	-9426 May 09 j 21:41	8° H 22'08	4.10138 AU	direct	-9421 Dec 27 j 18:57	24° \approx 48'32	
direct	-9426 Jul 08 j 11:41	3° H 25'41			-9420 Feb 26 j 22:06	0° H	
desc. node	-9426 Aug 24 j 07:05	6° H 53'19		evening set	-9420 May 04 j 13:48	13° H 15'02	
evening set	-9426 Nov 08 j 14:49	22° H 08'51					
				conjunction	-9420 May 17 j 21:44	16° H 12'29	-0°02'22
conjunction	-9426 Nov 21 j 18:33	25° H 14'17	-0°13'11	minimum elong	-9420 May 17 j 21:45	16° H 12'30	0°02'34
minimum elong	-9426 Nov 21 j 18:32	25° H 14'16	0°13'03	behind sun begin	-9420 May 17 j 13:36	16° H 07'59	
behind sun begin	-9426 Nov 21 j 13:36	25° H 11'23		behind sun end	-9420 May 18 j 05:55	16° H 17'01	
behind sun end	-9426 Nov 21 j 23:28	25° H 17'10		max. Earth dist.	-9420 May 17 j 01:37	16° H 01'19	6.31121 AU
max. Earth dist.	-9426 Nov 22 j 18:36	25° H 28'26	6.07621 AU	morning rise	-9420 May 31 j 02:24	19° H 08'12	
morning rise	-9426 Dec 05 j 01:50	28° H 21'40		asc. node	-9420 Jun 03 j 22:39	19° H 59'02	
	-9426 Dec 12 j 03:09	0° E			-9420 Jul 23 j 14:28	0° Y	
retrograde	-9425 Apr 15 j 16:42	18° E 17'25		retrograde	-9420 Sep 28 j 21:29	6° Y 30'09	
min. Earth dist.	-9425 Jun 14 j 06:14	13° E 20'37	4.06256 AU	opposition	-9420 Nov 27 j 16:09	1° Y 36'39	0°34'51
opposition	-9425 Jun 15 j 03:09	13° E 13'36	-1°03'08	min. Earth dist.	-9420 Nov 28 j 09:43	1° Y 30'55	4.33249 AU
direct	-9425 Aug 12 j 09:37	8° E 18'54			-9420 Dec 10 j 06:21	30° R H	
evening set	-9425 Dec 14 j 12:29	27° E 18'23		direct	-9419 Jan 28 j 19:25	26° H 33'31	
	-9425 Dec 26 j 00:36	0° H			-9419 Mar 19 j 05:31	0° Y	
				evening set	-9419 Jun 06 j 01:43	14° Y 45'25	
conjunction	-9425 Dec 27 j 23:55	0° H 27'46	-1°06'20	max. Earth dist.	-9419 Jun 17 j 18:25	17° Y 21'00	6.34315 AU
minimum elong	-9425 Dec 27 j 23:49	0° H 27'42	1°06'34				
max. Earth dist.	-9425 Dec 29 j 10:11	0° H 47'52	6.06025 AU	conjunction	-9419 Jun 19 j 00:12	17° Y 37'34	0°49'20
morning rise	-9424 Jan 10 j 14:32	3° H 38'44		minimum elong	-9419 Jun 19 j 00:08	17° Y 37'31	0°49'27
	-9424 Mar 03 j 02:36	15° H		morning rise	-9419 Jul 01 j 19:09	20° Y 28'01	
retrograde	-9424 May 20 j 17:07	23° H 34'20			-9419 Aug 16 j 22:07	0° E	
opposition	-9424 Jul 19 j 11:13	18° H 29'10	-2°06'59	retrograde	-9419 Oct 30 j 11:40	7° E 43'31	
min. Earth dist.	-9424 Jul 18 j 12:27	18° H 36'57	4.07228 AU	opposition	-9419 Dec 29 j 22:24	2° E 51'47	1°42'23
	-9424 Aug 16 j 23:10	15° R H		min. Earth dist.	-9419 Dec 30 j 21:04	2° E 44'32	4.34419 AU
direct	-9424 Sep 15 j 15:46	13° H 31'17			-9418 Jan 22 j 19:18	30° R Y	
	-9424 Oct 15 j 11:58	15° H		direct	-9418 Mar 02 j 10:16	27° Y 51'11	
	-9423 Jan 07 j 20:44	0° J			-9418 Apr 10 j 01:24	0° E	
evening set	-9423 Jan 19 j 10:31	2° J 38'42			-9418 Jul 03 j 09:46	15° E	
				evening set	-9418 Jul 07 j 14:41	15° E 55'55	

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Attention, astronomical year style is used: The year -9418 in astronomical counting style is the year 9419 BCE in historical counting style.

max. Earth dist.	-9418 Jul 18 j 19:09	18° ♁ 26'02	6.33247 AU	min. Earth dist.	-9412 Jul 23 j 07:42	23° ♁ 31'34	4.07685 AU
				opposition	-9412 Jul 24 j 05:32	23° ♁ 24'07	-2°12'21
conjunction	-9418 Jul 20 j 04:08	18° ♁ 44'32	1°26'22	direct	-9412 Sep 20 j 10:59	18° ♁ 25'46	
minimum elong	-9418 Jul 20 j 04:04	18° ♁ 44'30	1°26'45		-9412 Dec 21 j 10:31	0° ♁	
morning rise	-9418 Aug 01 j 15:29	21° ♁ 32'07		evening set	-9411 Jan 24 j 12:06	7° ♁ 33'35	
	-9418 Sep 10 j 16:48	0° ♁					
retrograde	-9418 Dec 01 j 20:28	9° ♁ 03'56		conjunction	-9411 Feb 07 j 04:19	10° ♁ 43'03	-1°36'33
opposition	-9417 Jan 31 j 20:49	4° ♁ 12'05	2°20'34	minimum elong	-9411 Feb 07 j 04:17	10° ♁ 43'03	1°37'03
min. Earth dist.	-9417 Feb 01 j 18:50	4° ♁ 05'06	4.31302 AU	max. Earth dist.	-9411 Feb 08 j 10:44	11° ♁ 00'38	6.09978 AU
	-9417 Mar 12 j 14:59	30° ♁		morning rise	-9411 Feb 20 j 21:58	13° ♁ 53'05	
direct	-9417 Apr 04 j 03:02	29° ♁ 14'28			-9411 May 14 j 18:03	0° ♁	
	-9417 Apr 26 j 14:11	0° ♁		retrograde	-9411 Jun 29 j 07:30	3° ♁ 13'27	
evening set	-9417 Aug 07 j 19:16	17° ♁ 19'56			-9411 Aug 13 j 18:21	30° ♁	
max. Earth dist.	-9417 Aug 19 j 03:56	19° ♁ 54'32	6.28233 AU	opposition	-9411 Aug 27 j 11:44	28° ♁ 09'57	-2°22'15
				min. Earth dist.	-9411 Aug 26 j 20:02	28° ♁ 15'19	4.13393 AU
conjunction	-9417 Aug 20 j 04:34	20° ♁ 08'33	1°38'25	direct	-9411 Oct 25 j 10:30	23° ♁ 08'16	
minimum elong	-9417 Aug 20 j 04:35	20° ♁ 08'33	1°38'58		-9410 Jan 02 j 11:48	0° ♁	
morning rise	-9417 Sep 01 j 13:10	22° ♁ 56'58		evening set	-9410 Mar 02 j 03:05	12° ♁ 09'17	
	-9417 Oct 03 j 22:50	0° ♁					
retrograde	-9416 Jan 04 j 07:51	11° ♁ 03'07		conjunction	-9410 Mar 15 j 20:16	15° ♁ 16'04	-1°26'21
opposition	-9416 Mar 05 j 18:32	6° ♁ 09'19	2°17'30	minimum elong	-9410 Mar 15 j 20:20	15° ♁ 16'06	1°26'55
min. Earth dist.	-9416 Mar 06 j 07:53	6° ♁ 05'05	4.24747 AU	max. Earth dist.	-9410 Mar 16 j 12:30	15° ♁ 25'18	6.17173 AU
direct	-9416 May 06 j 03:33	1° ♁ 14'33		morning rise	-9410 Mar 29 j 12:32	18° ♁ 22'15	
evening set	-9416 Sep 07 j 09:00	19° ♁ 27'41			-9410 May 24 j 13:57	0° ♁	
				retrograde	-9410 Aug 01 j 15:56	6° ♁ 54'18	
conjunction	-9416 Sep 19 j 20:31	22° ♁ 20'19	1°20'46	opposition	-9410 Sep 29 j 16:41	1° ♁ 54'13	-1°43'23
minimum elong	-9416 Sep 19 j 20:35	22° ♁ 20'21	1°21'20	min. Earth dist.	-9410 Sep 29 j 12:54	1° ♁ 55'29	4.21316 AU
max. Earth dist.	-9416 Sep 19 j 09:41	22° ♁ 14'03	6.20685 AU		-9410 Oct 14 j 03:23	30° ♁	
morning rise	-9416 Oct 02 j 09:28	25° ♁ 13'49		direct	-9410 Nov 28 j 19:55	26° ♁ 50'25	
	-9416 Oct 23 j 14:34	0° ♁			-9409 Jan 13 j 20:50	0° ♁	
retrograde	-9415 Feb 07 j 06:16	14° ♁ 04'01			-9409 Apr 03 j 21:29	15° ♁	
opposition	-9415 Apr 09 j 16:18	9° ♁ 06'48	1°30'37	evening set	-9409 Apr 06 j 11:13	15° ♁ 34'17	
min. Earth dist.	-9415 Apr 09 j 17:27	9° ♁ 06'26	4.16654 AU				
direct	-9415 Jun 08 j 21:09	4° ♁ 13'41		conjunction	-9409 Apr 20 j 01:22	18° ♁ 36'35	-0°47'30
	-9415 Sep 05 j 14:57	15° ♁		minimum elong	-9409 Apr 20 j 01:26	18° ♁ 36'37	0°47'55
evening set	-9415 Oct 10 j 01:38	22° ♁ 40'32		max. Earth dist.	-9409 Apr 19 j 21:15	18° ♁ 34'17	6.25268 AU
				morning rise	-9409 May 03 j 12:57	21° ♁ 37'29	
conjunction	-9415 Oct 22 j 21:06	25° ♁ 40'02	0°36'36		-9409 Jun 12 j 02:04	0° ♁	
minimum elong	-9415 Oct 22 j 21:10	25° ♁ 40'04	0°36'58	retrograde	-9409 Sep 02 j 18:01	9° ♁ 24'35	
max. Earth dist.	-9415 Oct 23 j 05:32	25° ♁ 44'57	6.12850 AU	opposition	-9409 Nov 01 j 02:09	4° ♁ 28'18	-0°32'56
morning rise	-9415 Nov 04 j 19:27	28° ♁ 41'10		min. Earth dist.	-9409 Nov 01 j 10:15	4° ♁ 25'37	4.28807 AU
	-9415 Nov 10 j 11:47	0° ♁			-9409 Dec 12 j 20:48	30° ♁	
retrograde	-9414 Mar 15 j 06:06	18° ♁ 13'00		direct	-9408 Jan 01 j 09:53	29° ♁ 24'06	
opposition	-9414 May 15 j 06:40	13° ♁ 11'55	0°11'19		-9408 Jan 21 j 04:58	0° ♁	
min. Earth dist.	-9414 May 14 j 18:13	13° ♁ 16'00	4.09660 AU	asc. node	-9408 Apr 13 j 04:46	12° ♁ 13'53	
desc. node	-9414 Jul 05 j 06:27	8° ♁ 25'13		evening set	-9408 May 09 j 05:00	17° ♁ 48'55	
direct	-9414 Jul 13 j 06:08	8° ♁ 18'46					
evening set	-9414 Nov 13 j 10:54	27° ♁ 03'14		conjunction	-9408 May 22 j 11:51	20° ♁ 45'41	0°05'23
	-9414 Nov 25 j 23:57	0° ♁		minimum elong	-9408 May 22 j 11:50	20° ♁ 45'41	0°05'13
				behind sun begin	-9408 May 22 j 03:57	20° ♁ 41'19	
conjunction	-9414 Nov 26 j 15:43	0° ♁ 09'16	-0°21'13	behind sun end	-9408 May 22 j 19:43	20° ♁ 50'02	
minimum elong	-9414 Nov 26 j 15:40	0° ♁ 09'14	0°21'09	max. Earth dist.	-9408 May 21 j 15:05	20° ♁ 34'08	6.31656 AU
max. Earth dist.	-9414 Nov 27 j 16:45	0° ♁ 24'00	6.07361 AU	morning rise	-9408 Jun 04 j 15:08	23° ♁ 40'39	
morning rise	-9414 Dec 10 j 00:11	3° ♁ 17'14			-9408 Jul 04 j 04:52	0° ♁	
retrograde	-9413 Apr 20 j 15:21	23° ♁ 14'01		retrograde	-9408 Oct 03 j 07:33	11° ♁ 00'33	
min. Earth dist.	-9413 Jun 19 j 03:01	18° ♁ 16'58	4.06239 AU	opposition	-9408 Dec 02 j 04:21	6° ♁ 07'22	0°45'29
opposition	-9413 Jun 20 j 00:13	18° ♁ 09'50	-1°13'55	min. Earth dist.	-9408 Dec 02 j 22:42	6° ♁ 01'25	4.33609 AU
direct	-9413 Aug 17 j 06:02	13° ♁ 14'42		direct	-9407 Feb 02 j 09:46	1° ♁ 04'35	
	-9413 Dec 09 j 18:26	0° ♁		evening set	-9407 Jun 10 j 13:07	19° ♁ 14'56	
evening set	-9413 Dec 19 j 12:37	2° ♁ 15'27		max. Earth dist.	-9407 Jun 22 j 02:43	21° ♁ 48'57	6.34447 AU
conjunction	-9412 Jan 02 j 00:58	5° ♁ 25'04	-1°12'05	conjunction	-9407 Jun 23 j 10:07	22° ♁ 06'25	0°55'42
minimum elong	-9412 Jan 02 j 00:53	5° ♁ 25'01	1°12'20	minimum elong	-9407 Jun 23 j 10:03	22° ♁ 06'23	0°55'51
max. Earth dist.	-9412 Jan 03 j 12:38	5° ♁ 45'58	6.06246 AU	morning rise	-9407 Jul 06 j 03:58	24° ♁ 56'19	
morning rise	-9412 Jan 15 j 16:05	8° ♁ 36'08			-9407 Jul 29 j 14:14	0° ♁	
	-9412 Feb 13 j 00:11	15° ♁		retrograde	-9407 Nov 03 j 23:19	12° ♁ 12'33	
retrograde	-9412 May 25 j 14:30	28° ♁ 29'12		opposition	-9406 Jan 03 j 12:09	7° ♁ 20'50	1°49'50

Attention, astronomical year style is used: The year -9406 in astronomical counting style is the year 9407 BCE in historical counting style.

min. Earth dist.	-9406 Jan 04 j 11:05	7° 8 13'30	4.34323 AU	max. Earth dist.	-9400 Jan 08 j 15:28	10° ℓ 49'19	6.06224 AU
direct	-9406 Mar 07 j 00:37	2° 8 20'34		morning rise	-9400 Jan 20 j 20:59	13° ℓ 40'31	
	-9406 Jun 17 j 00:35	15° 8			-9400 Jan 26 j 14:29	15° ℓ	
evening set	-9406 Jul 11 j 23:39	20° 8 24'29			-9400 Apr 12 j 11:48	0° ♊	
max. Earth dist.	-9406 Jul 23 j 05:22	22° 8 55'27	6.32905 AU	retrograde	-9400 May 30 j 13:10	3° ♊ 31'47	
					-9400 Jul 17 j 13:37	30° ♋ ℓ	
conjunction	-9406 Jul 24 j 12:17	23° 8 12'49	1°29'44	min. Earth dist.	-9400 Jul 28 j 04:39	28° ℓ 34'18	4.07981 AU
minimum elong	-9406 Jul 24 j 12:14	23° 8 12'47	1°30'09	opposition	-9400 Jul 29 j 02:37	28° ℓ 26'47	-2°16'56
morning rise	-9406 Aug 05 j 22:42	26° 8 00'10		direct	-9400 Sep 25 j 09:02	23° ℓ 27'57	
	-9406 Aug 24 j 03:41	0° ♊			-9400 Nov 30 j 13:57	0° ♊	
retrograde	-9406 Dec 06 j 09:33	13° ♊ 35'10		evening set	-9399 Jan 29 j 17:08	12° ♊ 36'49	
opposition	-9405 Feb 05 j 12:44	8° ♊ 43'10	2°22'46				
min. Earth dist.	-9405 Feb 06 j 09:41	8° ♊ 36'32	4.30727 AU	conjunction	-9399 Feb 12 j 09:50	15° ♊ 46'13	-1°37'11
direct	-9405 Apr 08 j 16:58	3° ♊ 45'59		minimum elong	-9399 Feb 12 j 09:49	15° ♊ 46'12	1°37'43
evening set	-9405 Aug 12 j 04:05	21° ♊ 51'34		max. Earth dist.	-9399 Feb 13 j 15:51	16° ♊ 03'33	6.10573 AU
				morning rise	-9399 Feb 26 j 03:24	18° ♊ 55'57	
conjunction	-9405 Aug 24 j 13:07	24° ♊ 40'24	1°37'45		-9399 Apr 19 j 01:29	0° ♋	
minimum elong	-9405 Aug 24 j 13:08	24° ♊ 40'24	1°38'18	retrograde	-9399 Jul 04 j 04:15	8° ♋ 11'06	
max. Earth dist.	-9405 Aug 23 j 12:48	24° ♊ 26'32	6.27448 AU	opposition	-9399 Sep 01 j 06:13	3° ♋ 08'03	-2°19'27
morning rise	-9405 Sep 05 j 22:01	27° ♊ 29'14		min. Earth dist.	-9399 Aug 31 j 16:22	3° ♋ 12'47	4.14233 AU
	-9405 Sep 17 j 02:38	0° ♋			-9399 Sep 26 j 03:19	30° ♋ ♊	
retrograde	-9404 Jan 09 j 02:39	15° ♋ 40'35		direct	-9399 Oct 30 j 08:34	28° ♊ 06'05	
opposition	-9404 Mar 10 j 13:30	10° ♋ 46'22	2°13'29		-9399 Dec 03 j 22:47	0° ♋	
min. Earth dist.	-9404 Mar 11 j 01:51	10° ♋ 42'26	4.23777 AU				
direct	-9404 May 10 j 19:46	5° ♋ 51'51					
evening set	-9404 Sep 11 j 19:47	24° ♋ 06'14					
conjunction	-9404 Sep 24 j 08:16	26° ♋ 59'42	1°16'02				
minimum elong	-9404 Sep 24 j 08:21	26° ♋ 59'45	1°16'34				
max. Earth dist.	-9404 Sep 24 j 00:22	26° ♋ 55'08	6.19628 AU				
morning rise	-9404 Oct 06 j 22:12	29° ♋ 54'07					
	-9404 Oct 07 j 08:26	0° ♌					
	-9404 Dec 22 j 16:19	15° ♌					
retrograde	-9403 Feb 12 j 04:30	18° ♌ 50'19					
	-9403 Apr 05 j 19:11	15° ♌ ♌					
opposition	-9403 Apr 14 j 13:53	13° ♌ 52'38	1°21'06				
min. Earth dist.	-9403 Apr 14 j 13:10	13° ♌ 52'52	4.15575 AU				
direct	-9403 Jun 13 j 14:03	8° ♌ 59'39					
	-9403 Aug 16 j 07:43	15° ♌					
evening set	-9403 Oct 14 j 17:32	27° ♌ 28'51					
	-9403 Oct 25 j 12:08	0° ♍					
conjunction	-9403 Oct 27 j 14:10	0° ♍ 29'19	0°28'59				
minimum elong	-9403 Oct 27 j 14:13	0° ♍ 29'21	0°29'20				
max. Earth dist.	-9403 Oct 27 j 23:50	0° ♍ 34'59	6.11846 AU				
morning rise	-9403 Nov 09 j 14:02	3° ♍ 31'33					
retrograde	-9402 Mar 20 j 06:55	23° ♍ 08'31					
desc. node	-9402 May 16 j 03:39	18° ♍ 39'14					
opposition	-9402 May 20 j 05:39	18° ♍ 06'55	-0°00'54				
min. Earth dist.	-9402 May 19 j 15:51	18° ♍ 11'29	4.08802 AU				
direct	-9402 Jul 18 j 01:46	13° ♍ 13'34					
	-9402 Nov 09 j 16:33	0° ♎					
evening set	-9402 Nov 18 j 09:01	2° ♎ 01'11					
conjunction	-9402 Dec 01 j 15:13	5° ♎ 08'02	-0°29'12				
minimum elong	-9402 Dec 01 j 15:10	5° ♎ 08'01	0°29'11				
max. Earth dist.	-9402 Dec 02 j 19:07	5° ♎ 24'28	6.06734 AU				
morning rise	-9402 Dec 15 j 00:47	8° ♎ 16'47					
retrograde	-9401 Apr 25 j 17:49	28° ♎ 15'43					
opposition	-9401 Jun 24 j 23:07	23° ♎ 11'19	-1°24'21				
min. Earth dist.	-9401 Jun 24 j 01:53	23° ♎ 18'29	4.05918 AU				
direct	-9401 Aug 22 j 03:35	18° ♎ 15'50					
	-9401 Nov 22 j 03:07	0° ♏					
evening set	-9401 Dec 24 j 16:05	7° ♏ 19'17					
conjunction	-9400 Jan 07 j 05:04	10° ♏ 29'12	-1°17'25				
minimum elong	-9400 Jan 07 j 04:59	10° ♏ 29'08	1°17'44				