

Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 1

Attention, astronomical year style is used: The year -6900 in astronomical counting style is the year 6901 BCE in historical counting style.

retrograde	-6900 Mar 07 j 05:06	28° \mathbb{M} 09'57		max. Earth dist.	-6895 Apr 14 j 04:15	0° \mathbb{H} 16'52	6.20738 AU
opposition	-6900 May 07 j 09:44	23° \mathbb{M} 12'29	0°43'44	morning rise	-6895 Apr 27 j 01:52	3° \mathbb{H} 11'04	
min. Earth dist.	-6900 May 07 j 11:11	23° \mathbb{M} 12'01	4.12720 AU	retrograde	-6895 Aug 29 j 10:40	21° \mathbb{H} 26'02	
direct	-6900 Jul 06 j 07:58	18° \mathbb{M} 19'20		opposition	-6895 Oct 27 j 17:01	16° \mathbb{H} 26'18	-0°57'59
	-6900 Oct 06 j 22:36	0° $\underline{\mathbb{L}}$		min. Earth dist.	-6895 Oct 27 j 12:01	16° \mathbb{H} 27'59	4.25393 AU
evening set	-6900 Nov 06 j 21:06	6° $\underline{\mathbb{L}}$ 59'47		direct	-6895 Dec 27 j 02:50	11° \mathbb{H} 22'37	
				evening set	-6894 May 04 j 08:40	29° \mathbb{H} 50'49	
conjunction	-6900 Nov 19 j 18:33	10° $\underline{\mathbb{L}}$ 01'56	0°03'18		-6894 May 05 j 01:19	0° \mathbb{Y}	
minimum elong	-6900 Nov 19 j 18:33	10° $\underline{\mathbb{L}}$ 01'57	0°03'15				
behind sun begin	-6900 Nov 19 j 10:30	9° $\underline{\mathbb{L}}$ 57'13		conjunction	-6894 May 17 j 22:03	2° \mathbb{Y} 51'06	-0°14'44
behind sun end	-6900 Nov 20 j 02:37	10° $\underline{\mathbb{L}}$ 06'41		minimum elong	-6894 May 17 j 22:05	2° \mathbb{Y} 51'07	0°14'45
max. Earth dist.	-6900 Nov 20 j 03:25	10° $\underline{\mathbb{L}}$ 07'09	6.08910 AU	behind sun begin	-6894 May 17 j 19:01	2° \mathbb{Y} 49'25	
morning rise	-6900 Dec 02 j 19:06	13° $\underline{\mathbb{L}}$ 05'48		behind sun end	-6894 May 18 j 01:09	2° \mathbb{Y} 52'48	
desc. node	-6900 Dec 13 j 14:00	15° $\underline{\mathbb{L}}$ 36'06		max. Earth dist.	-6894 May 17 j 16:50	2° \mathbb{Y} 48'13	6.29611 AU
	-6899 Feb 27 j 19:56	0° \mathbb{M}		morning rise	-6894 May 31 j 08:53	5° \mathbb{Y} 49'55	
retrograde	-6899 Apr 12 j 17:03	2° \mathbb{M} 53'15		asc. node	-6894 Sep 11 j 11:45	22° \mathbb{Y} 47'41	
	-6899 May 26 j 19:41	30° \mathbb{R} $\underline{\mathbb{L}}$		retrograde	-6894 Sep 30 j 00:53	23° \mathbb{Y} 21'07	
opposition	-6899 Jun 12 j 12:37	27° $\underline{\mathbb{L}}$ 51'49	-0°36'51	opposition	-6894 Nov 28 j 14:10	18° \mathbb{Y} 25'11	0°14'33
min. Earth dist.	-6899 Jun 11 j 21:38	27° $\underline{\mathbb{L}}$ 56'46	4.06041 AU	min. Earth dist.	-6894 Nov 29 j 00:08	18° \mathbb{Y} 21'53	4.33016 AU
direct	-6899 Aug 10 j 05:46	22° $\underline{\mathbb{L}}$ 58'37		direct	-6893 Jan 29 j 05:32	13° \mathbb{Y} 21'11	
	-6899 Oct 17 j 16:10	0° \mathbb{M}			-6893 May 30 j 11:27	0° \mathbb{B}	
evening set	-6899 Dec 11 j 22:56	11° \mathbb{M} 57'02		evening set	-6893 Jun 06 j 11:59	1° \mathbb{B} 31'45	
	-6899 Dec 24 j 20:41	15° \mathbb{M}					
conjunction	-6899 Dec 25 j 04:40	15° \mathbb{M} 04'44	-0°49'16	conjunction	-6893 Jun 19 j 17:01	4° \mathbb{B} 26'10	0°34'36
minimum elong	-6899 Dec 25 j 04:36	15° \mathbb{M} 04'41	0°49'34	minimum elong	-6893 Jun 19 j 16:58	4° \mathbb{B} 26'08	0°34'49
max. Earth dist.	-6899 Dec 26 j 10:49	15° \mathbb{M} 22'35	6.04383 AU	max. Earth dist.	-6893 Jun 18 j 17:32	4° \mathbb{B} 13'13	6.35403 AU
morning rise	-6898 Jan 07 j 13:44	18° \mathbb{M} 14'14		morning rise	-6893 Jul 02 j 18:22	7° \mathbb{B} 18'48	
	-6898 Mar 02 j 17:31	0° \mathbb{X}			-6893 Aug 08 j 10:58	15° \mathbb{B}	
retrograde	-6898 May 19 j 11:56	8° \mathbb{X} 21'50		retrograde	-6893 Oct 31 j 03:30	24° \mathbb{B} 28'10	
opposition	-6898 Jul 18 j 15:28	3° \mathbb{X} 17'26	-1°45'24	opposition	-6893 Dec 30 j 05:40	19° \mathbb{B} 35'13	1°21'04
min. Earth dist.	-6898 Jul 17 j 15:36	3° \mathbb{X} 25'29	4.04246 AU	min. Earth dist.	-6893 Dec 31 j 02:20	19° \mathbb{B} 28'31	4.36660 AU
	-6898 Aug 14 j 11:00	30° \mathbb{R} \mathbb{M}			-6892 Feb 13 j 05:52	15° \mathbb{R} \mathbb{B}	
direct	-6898 Sep 14 j 18:36	28° \mathbb{M} 22'10		direct	-6892 Mar 01 j 14:37	14° \mathbb{B} 32'32	
	-6898 Oct 16 j 00:40	0° \mathbb{X}			-6892 Mar 19 j 03:56	15° \mathbb{B}	
evening set	-6897 Jan 17 j 11:54	17° \mathbb{X} 31'14		evening set	-6892 Jun 25 j 14:36	0° \mathbb{I}	
				max. Earth dist.	-6892 Jul 07 j 09:47	2° \mathbb{I} 33'59	
conjunction	-6897 Jan 31 j 00:19	20° \mathbb{X} 41'16	-1°24'03		-6892 Jul 18 j 16:39	5° \mathbb{I} 03'40	6.36497 AU
minimum elong	-6897 Jan 31 j 00:16	20° \mathbb{X} 41'14	1°24'29	conjunction	-6892 Jul 20 j 04:57	5° \mathbb{I} 23'47	1°13'15
max. Earth dist.	-6897 Feb 01 j 16:57	21° \mathbb{X} 05'06	6.05353 AU	minimum elong	-6892 Jul 20 j 04:53	5° \mathbb{I} 23'45	1°13'39
morning rise	-6897 Feb 13 j 15:32	23° \mathbb{X} 52'39		morning rise	-6892 Aug 01 j 21:09	8° \mathbb{I} 12'08	
	-6897 Mar 12 j 16:17	0° \mathbb{B}		retrograde	-6892 Nov 30 j 17:54	25° \mathbb{I} 24'45	
retrograde	-6897 Jun 24 j 08:30	13° \mathbb{B} 45'44		opposition	-6891 Jan 30 j 07:55	20° \mathbb{I} 33'15	2°04'19
opposition	-6897 Aug 22 j 22:45	8° \mathbb{B} 40'42	-2°14'29	min. Earth dist.	-6891 Jan 31 j 11:30	20° \mathbb{I} 24'27	4.35267 AU
min. Earth dist.	-6897 Aug 21 j 21:12	8° \mathbb{B} 49'26	4.08045 AU	direct	-6891 Apr 02 j 22:13	15° \mathbb{I} 32'56	
direct	-6897 Oct 20 j 04:52	3° \mathbb{B} 42'12			-6891 Jul 22 j 07:38	0° \mathbb{B}	
evening set	-6896 Feb 23 j 10:55	22° \mathbb{B} 48'06		evening set	-6891 Aug 07 j 15:23	3° \mathbb{B} 34'52	
				max. Earth dist.	-6891 Aug 18 j 14:21	6° \mathbb{B} 02'09	6.32601 AU
conjunction	-6896 Mar 08 j 03:43	25° \mathbb{B} 57'13	-1°27'43				
minimum elong	-6896 Mar 08 j 03:46	25° \mathbb{B} 57'14	1°28'09	conjunction	-6891 Aug 20 j 03:43	6° \mathbb{B} 23'09	1°31'01
max. Earth dist.	-6896 Mar 09 j 14:48	26° \mathbb{B} 17'25	6.11574 AU	minimum elong	-6891 Aug 20 j 03:42	6° \mathbb{B} 23'08	1°31'29
morning rise	-6896 Mar 21 j 21:46	29° \mathbb{B} 06'45		morning rise	-6891 Sep 01 j 14:09	9° \mathbb{B} 10'37	
	-6896 Mar 25 j 19:16	0° \approx		retrograde	-6890 Jan 02 j 07:42	26° \mathbb{B} 49'38	
	-6896 Jun 11 j 18:34	15° \approx		opposition	-6890 Mar 04 j 09:47	21° \mathbb{B} 57'37	2°12'18
retrograde	-6896 Jul 27 j 17:15	18° \approx 15'55		min. Earth dist.	-6890 Mar 05 j 10:14	21° \mathbb{B} 49'52	4.29188 AU
	-6896 Sep 11 j 13:22	15° \mathbb{R} \approx		direct	-6890 May 05 j 10:38	17° \mathbb{B} 00'17	
opposition	-6896 Sep 24 j 23:20	13° \approx 12'39	-1°54'53		-6890 Aug 15 j 12:14	0° \mathbb{Q}	
min. Earth dist.	-6896 Sep 24 j 06:01	13° \approx 18'34	4.16040 AU	evening set	-6890 Sep 07 j 22:11	5° \mathbb{Q} 11'14	
direct	-6896 Nov 23 j 03:57	8° \approx 10'55		max. Earth dist.	-6890 Sep 19 j 05:10	7° \mathbb{Q} 45'59	6.24812 AU
	-6895 Jan 31 j 06:16	15° \approx					
evening set	-6895 Mar 30 j 15:23	27° \approx 00'28		conjunction	-6890 Sep 20 j 09:01	8° \mathbb{Q} 01'57	1°22'13
	-6895 Apr 12 j 22:22	0° \mathbb{H}		minimum elong	-6890 Sep 20 j 09:04	8° \mathbb{Q} 01'59	1°22'36
conjunction	-6895 Apr 13 j 09:14	0° \mathbb{H} 06'08	-1°00'40	morning rise	-6890 Oct 02 j 19:43	10° \mathbb{Q} 52'47	
minimum elong	-6895 Apr 13 j 09:18	0° \mathbb{H} 06'10	1°00'57		-6890 Oct 21 j 05:21	15° \mathbb{Q}	
				retrograde	-6889 Feb 05 j 12:48	29° \mathbb{Q} 15'25	

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Attention, astronomical year style is used: The year -6889 in astronomical counting style is the year 6890 BCE in historical counting style.

opposition	-6889 Apr 07 j 18:41	24° Ω 21'07	1°39'58		-6884 Oct 25 j 05:24	15° \Re	
min. Earth dist.	-6889 Apr 08 j 09:58	24° Ω 16'14	4.20144 AU	direct	-6884 Nov 28 j 02:03	13° \approx 09'08	
direct	-6889 Jun 07 j 19:32	19° Ω 26'29			-6883 Jan 01 j 09:09	15° \approx	
	-6889 Sep 04 j 10:16	0° Π			-6883 Mar 27 j 02:02	0° \Re	
evening set	-6889 Oct 10 j 00:47	7° Π 53'03		evening set	-6883 Apr 04 j 17:04	1° \Re 54'56	
conjunction	-6889 Oct 22 j 15:53	10° Π 49'35	0°47'26	conjunction	-6883 Apr 18 j 10:25	4° \Re 59'48	-0°54'53
minimum elong	-6889 Oct 22 j 15:56	10° Π 49'37	0°47'38	minimum elong	-6883 Apr 18 j 10:29	4° \Re 59'50	0°55'06
max. Earth dist.	-6889 Oct 22 j 05:08	10° Π 43'19	6.15370 AU	max. Earth dist.	-6883 Apr 19 j 00:59	5° \Re 07'59	6.22271 AU
morning rise	-6889 Nov 04 j 08:47	13° Π 47'12		morning rise	-6883 May 02 j 02:38	8° \Re 03'51	
	-6888 Jan 27 j 04:09	0° Ω		retrograde	-6883 Sep 02 j 23:57	26° \Re 10'51	
retrograde	-6888 Mar 12 j 04:37	3° Ω 00'20		opposition	-6883 Nov 01 j 07:11	21° \Re 11'35	-0°48'01
	-6888 Apr 26 j 19:32	30° \Re Π		min. Earth dist.	-6883 Nov 01 j 04:42	21° \Re 12'25	4.26830 AU
opposition	-6888 May 12 j 08:33	28° Π 02'22	0°33'09	direct	-6883 Dec 31 j 22:06	16° \Re 07'40	
min. Earth dist.	-6888 May 12 j 07:05	28° Π 02'50	4.10955 AU		-6882 Apr 18 j 03:10	0° Υ	
direct	-6888 Jul 11 j 00:47	23° Π 09'21		evening set	-6882 May 09 j 03:59	4° Υ 32'16	
	-6888 Sep 17 j 04:21	0° Ω					
desc. node	-6888 Oct 23 j 15:59	7° Ω 31'57		conjunction	-6882 May 22 j 16:32	7° Υ 31'39	-0°07'34
evening set	-6888 Nov 11 j 15:42	11° Ω 55'00		minimum elong	-6882 May 22 j 16:33	7° Υ 31'39	0°07'34
				behind sun begin	-6882 May 22 j 09:06	7° Υ 27'33	
conjunction	-6888 Nov 24 j 14:32	14° Ω 58'27	-0°04'25	behind sun end	-6882 May 22 j 24:00	7° Υ 35'46	
minimum elong	-6888 Nov 24 j 14:32	14° Ω 58'26	0°04'29	max. Earth dist.	-6882 May 22 j 09:28	7° Υ 27'45	6.30849 AU
behind sun begin	-6888 Nov 24 j 06:34	14° Ω 53'45		morning rise	-6882 Jun 05 j 02:00	10° Υ 29'27	
behind sun end	-6888 Nov 24 j 22:30	15° Ω 03'08		asc. node	-6882 Jul 21 j 11:50	20° Υ 03'34	
max. Earth dist.	-6888 Nov 25 j 03:26	15° Ω 06'03	6.07340 AU	retrograde	-6882 Oct 04 j 10:29	27° Υ 55'27	
morning rise	-6888 Dec 07 j 16:22	18° Ω 03'36		opposition	-6882 Dec 03 j 01:57	23° Υ 00'00	0°24'49
	-6887 Jan 31 j 22:28	0° Π		min. Earth dist.	-6882 Dec 03 j 13:16	22° Υ 56'17	4.33960 AU
retrograde	-6887 Apr 17 j 23:48	7° Π 58'25		direct	-6881 Feb 02 j 19:47	17° Υ 56'08	
opposition	-6887 Jun 17 j 15:17	2° Π 56'29	-0°47'54		-6881 May 13 j 10:38	0° \Re	
min. Earth dist.	-6887 Jun 16 j 23:09	3° Π 01'50	4.04822 AU	evening set	-6881 Jun 11 j 02:02	6° \Re 04'18	
	-6887 Jul 11 j 11:42	30° \Re Ω		max. Earth dist.	-6881 Jun 23 j 02:06	8° \Re 42'46	6.35964 AU
direct	-6887 Aug 15 j 05:26	28° Ω 03'08					
	-6887 Sep 18 j 14:50	0° Π		conjunction	-6881 Jun 24 j 05:31	8° \Re 57'53	0°41'00
	-6887 Dec 08 j 02:19	15° Π		minimum elong	-6881 Jun 24 j 05:27	8° \Re 57'51	0°41'16
evening set	-6887 Dec 17 j 01:44	17° Π 06'02		morning rise	-6881 Jul 07 j 05:40	11° \Re 49'45	
					-6881 Jul 21 j 20:59	15° \Re	
conjunction	-6887 Dec 30 j 08:37	20° Π 14'34	-0°55'39	retrograde	-6881 Nov 04 j 14:53	28° \Re 57'48	
minimum elong	-6887 Dec 30 j 08:32	20° Π 14'31	0°55'58	opposition	-6880 Jan 03 j 17:53	24° \Re 05'09	1°28'56
max. Earth dist.	-6887 Dec 31 j 17:40	20° Π 34'08	6.03622 AU	min. Earth dist.	-6880 Jan 04 j 16:53	23° \Re 57'43	4.36819 AU
morning rise	-6886 Jan 12 j 18:56	23° Π 24'55		direct	-6880 Mar 06 j 05:30	19° \Re 02'41	
	-6886 Feb 10 j 15:56	0° \Re			-6880 Jun 08 j 10:21	0° Π	
retrograde	-6886 May 24 j 16:44	13° \Re 34'32		evening set	-6880 Jul 11 j 20:26	7° Π 03'30	
opposition	-6886 Jul 23 j 18:12	8° \Re 29'52	-1°52'23	max. Earth dist.	-6880 Jul 23 j 02:05	9° Π 32'40	6.36227 AU
min. Earth dist.	-6886 Jul 22 j 16:18	8° \Re 38'37	4.04058 AU				
direct	-6886 Sep 19 j 18:49	3° \Re 34'14		conjunction	-6880 Jul 24 j 14:34	9° Π 52'55	1°17'13
evening set	-6885 Jan 22 j 19:26	22° \Re 45'00		minimum elong	-6880 Jul 24 j 14:30	9° Π 52'53	1°17'38
				morning rise	-6880 Aug 06 j 05:32	12° Π 40'53	
conjunction	-6885 Feb 05 j 08:39	25° \Re 55'12	-1°26'35	retrograde	-6880 Dec 05 j 05:28	29° Π 55'59	
minimum elong	-6885 Feb 05 j 08:37	25° \Re 55'11	1°27'02	opposition	-6879 Feb 03 j 22:30	25° Π 04'30	2°07'46
max. Earth dist.	-6885 Feb 07 j 01:33	26° \Re 19'09	6.05718 AU	min. Earth dist.	-6879 Feb 05 j 01:33	24° Π 55'53	4.34611 AU
morning rise	-6885 Feb 19 j 00:35	29° \Re 06'40		direct	-6879 Apr 07 j 10:52	20° Π 04'35	
	-6885 Feb 22 j 20:42	0° \Re			-6879 Jul 04 j 18:06	0° \Re	
retrograde	-6885 Jun 29 j 09:50	18° \Re 55'29		evening set	-6879 Aug 12 j 01:33	8° \Re 07'37	
opposition	-6885 Aug 27 j 22:26	13° \Re 50'26	-2°14'32	max. Earth dist.	-6879 Aug 23 j 00:03	10° \Re 35'04	6.31603 AU
min. Earth dist.	-6885 Aug 26 j 21:22	13° \Re 59'00	4.08899 AU				
direct	-6885 Oct 25 j 07:42	8° \Re 51'21		conjunction	-6879 Aug 24 j 13:13	10° \Re 56'01	1°31'26
evening set	-6884 Feb 28 j 17:21	27° \Re 55'26		minimum elong	-6879 Aug 24 j 13:13	10° \Re 56'01	1°31'53
	-6884 Mar 08 j 18:52	0° \approx		morning rise	-6879 Sep 05 j 23:22	13° \Re 43'46	
					-6879 Dec 06 j 23:06	0° Ω	
conjunction	-6884 Mar 13 j 10:42	1° \approx 04'12	-1°25'30	retrograde	-6878 Jan 07 j 03:06	1° Ω 28'26	
minimum elong	-6884 Mar 13 j 10:45	1° \approx 04'14	1°25'54		-6878 Feb 07 j 10:55	30° \Re \Re	
max. Earth dist.	-6884 Mar 14 j 22:06	1° \approx 24'32	6.12821 AU	opposition	-6878 Mar 09 j 05:02	26° \Re 36'13	2°10'09
morning rise	-6884 Mar 27 j 04:41	4° \approx 13'10		min. Earth dist.	-6878 Mar 10 j 05:39	26° \Re 28'24	4.27906 AU
	-6884 May 16 j 23:34	15° \approx		direct	-6878 May 10 j 04:20	21° \Re 39'17	
retrograde	-6884 Aug 01 j 12:31	23° \approx 14'10			-6878 Jul 27 j 22:22	0° Ω	
opposition	-6884 Sep 29 j 18:01	18° \approx 11'17	-1°48'30	evening set	-6878 Sep 12 j 10:14	9° Ω 52'36	
min. Earth dist.	-6884 Sep 29 j 01:38	18° \approx 16'51	4.17504 AU				

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Attention, astronomical year style is used: The year -6878 in astronomical counting style is the year 6879 BCE in historical counting style.

conjunction	-6878 Sep 24 j 21:26	12° Ω 44'04	1°18'43	max. Earth dist.	-6872 Mar 19 j 20:38	6° \approx 17'48	6.14290 AU
minimum elong	-6878 Sep 24 j 21:30	12° Ω 44'05	1°19'06	morning rise	-6872 Apr 01 j 07:23	9° \approx 08'10	
max. Earth dist.	-6878 Sep 23 j 19:15	12° Ω 29'00	6.23370 AU		-6872 Apr 27 j 20:00	15° \approx	
	-6878 Oct 04 j 18:14	15° Ω		retrograde	-6872 Aug 06 j 02:17	28° \approx 00'53	
morning rise	-6878 Oct 07 j 08:46	15° Ω 35'46		opposition	-6872 Oct 04 j 08:20	22° \approx 58'26	-1°41'37
	-6878 Dec 19 j 07:36	0° \mathbb{M}		min. Earth dist.	-6872 Oct 03 j 17:56	23° \approx 03'20	4.18957 AU
retrograde	-6877 Feb 10 j 11:42	4° \mathbb{M} 05'57		direct	-6872 Dec 02 j 20:29	17° \approx 55'55	
	-6877 Apr 06 j 09:33	30° \mathbb{R} Ω			-6871 Mar 09 j 20:04	0° \mathbb{H}	
opposition	-6877 Apr 12 j 18:51	29° Ω 11'12	1°32'14	evening set	-6871 Apr 09 j 14:16	6° \mathbb{H} 38'31	
min. Earth dist.	-6877 Apr 13 j 07:02	29° Ω 07'18	4.18659 AU				
direct	-6877 Jun 12 j 14:08	24° Ω 16'56		conjunction	-6871 Apr 23 j 07:22	9° \mathbb{H} 42'42	-0°48'56
	-6877 Aug 14 j 07:41	0° \mathbb{M}		minimum elong	-6871 Apr 23 j 07:27	9° \mathbb{H} 42'44	0°49'07
evening set	-6877 Oct 14 j 17:42	12° \mathbb{M} 46'31		max. Earth dist.	-6871 Apr 23 j 19:10	9° \mathbb{H} 49'19	6.23613 AU
				morning rise	-6871 May 06 j 22:47	12° \mathbb{H} 45'54	
conjunction	-6877 Oct 27 j 09:46	15° \mathbb{M} 44'05	0°40'44		-6871 Aug 16 j 15:52	0° \mathbb{Y}	
minimum elong	-6877 Oct 27 j 09:49	15° \mathbb{M} 44'07	0°40'53	retrograde	-6871 Sep 07 j 10:38	0° \mathbb{Y} 46'17	
max. Earth dist.	-6877 Oct 27 j 02:55	15° \mathbb{M} 40'04	6.14004 AU		-6871 Sep 29 j 01:13	30° \mathbb{R} \mathbb{H}	
morning rise	-6877 Nov 09 j 03:46	18° \mathbb{M} 42'49		opposition	-6871 Nov 05 j 18:10	25° \mathbb{H} 47'39	-0°38'07
	-6877 Dec 31 j 16:20	0° $\underline{\Omega}$		min. Earth dist.	-6871 Nov 05 j 18:06	25° \mathbb{H} 47'40	4.27933 AU
retrograde	-6876 Mar 17 j 11:02	8° $\underline{\Omega}$ 03'02		direct	-6870 Jan 05 j 12:48	20° \mathbb{H} 43'41	
opposition	-6876 May 17 j 12:31	3° $\underline{\Omega}$ 04'31	0°21'46		-6870 Mar 30 j 23:48	0° \mathbb{Y}	
min. Earth dist.	-6876 May 17 j 09:16	3° $\underline{\Omega}$ 05'35	4.09832 AU	evening set	-6870 May 13 j 20:08	9° \mathbb{Y} 06'05	
	-6876 Jun 12 j 03:23	30° \mathbb{R} \mathbb{M}					
direct	-6876 Jul 16 j 01:27	28° \mathbb{M} 11'36		conjunction	-6870 May 27 j 07:34	12° \mathbb{Y} 04'44	-0°00'31
	-6876 Aug 18 j 13:03	0° $\underline{\Omega}$		minimum elong	-6870 May 27 j 07:33	12° \mathbb{Y} 04'43	0°00'28
desc. node	-6876 Sep 01 j 05:40	1° $\underline{\Omega}$ 40'39		behind sun begin	-6870 May 26 j 23:20	12° \mathbb{Y} 00'12	
evening set	-6876 Nov 16 j 14:49	16° $\underline{\Omega}$ 59'51		behind sun end	-6870 May 27 j 15:46	12° \mathbb{Y} 09'15	
				max. Earth dist.	-6870 May 26 j 19:44	11° \mathbb{Y} 58'12	6.31623 AU
conjunction	-6876 Nov 29 j 14:48	20° $\underline{\Omega}$ 04'08	-0°12'13	asc. node	-6870 May 31 j 07:59	12° \mathbb{Y} 58'06	
minimum elong	-6876 Nov 29 j 14:47	20° $\underline{\Omega}$ 04'07	0°12'19	morning rise	-6870 Jun 09 j 15:59	15° \mathbb{Y} 01'46	
behind sun begin	-6876 Nov 29 j 09:21	20° $\underline{\Omega}$ 00'55			-6870 Aug 30 j 09:24	0° \mathbb{B}	
behind sun end	-6876 Nov 29 j 20:14	20° $\underline{\Omega}$ 07'20		retrograde	-6870 Oct 08 j 19:34	2° \mathbb{B} 24'41	
max. Earth dist.	-6876 Nov 30 j 07:21	20° $\underline{\Omega}$ 13'54	6.06587 AU		-6870 Nov 17 j 10:14	30° \mathbb{R} \mathbb{Y}	
morning rise	-6876 Dec 12 j 17:59	23° $\underline{\Omega}$ 10'12		opposition	-6870 Dec 07 j 12:07	27° \mathbb{Y} 29'43	0°34'42
	-6875 Jan 11 j 18:38	0° \mathbb{M}		min. Earth dist.	-6870 Dec 08 j 01:47	27° \mathbb{Y} 25'14	4.34375 AU
retrograde	-6875 Apr 23 j 05:12	13° \mathbb{M} 08'26		direct	-6869 Feb 07 j 09:06	22° \mathbb{Y} 25'57	
opposition	-6875 Jun 22 j 19:37	8° \mathbb{M} 06'01	-0°58'48		-6869 Apr 24 j 09:35	0° \mathbb{B}	
min. Earth dist.	-6875 Jun 22 j 00:47	8° \mathbb{M} 12'17	4.04554 AU	evening set	-6869 Jun 15 j 14:34	10° \mathbb{B} 33'42	
direct	-6875 Aug 20 j 06:00	3° \mathbb{M} 12'30					
	-6875 Nov 20 j 06:00	15° \mathbb{M}		conjunction	-6869 Jun 28 j 16:52	13° \mathbb{B} 26'44	0°47'04
evening set	-6875 Dec 22 j 05:48	22° \mathbb{M} 16'21		minimum elong	-6869 Jun 28 j 16:48	13° \mathbb{B} 26'42	0°47'20
				max. Earth dist.	-6869 Jun 27 j 12:36	13° \mathbb{B} 11'08	6.35989 AU
conjunction	-6874 Jan 04 j 13:33	25° \mathbb{M} 25'09	-1°01'39		-6869 Jul 05 j 17:43	15° \mathbb{B}	
minimum elong	-6874 Jan 04 j 13:29	25° \mathbb{M} 25'07	1°02'00	morning rise	-6869 Jul 11 j 15:32	16° \mathbb{B} 18'02	
max. Earth dist.	-6874 Jan 06 j 00:19	25° \mathbb{M} 45'43	6.03830 AU		-6869 Sep 22 j 02:42	0° \mathbb{II}	
morning rise	-6874 Jan 18 j 00:48	28° \mathbb{M} 35'46		retrograde	-6869 Nov 09 j 00:33	3° \mathbb{II} 26'43	
	-6874 Jan 24 j 01:05	0° \mathbb{X}			-6869 Dec 27 j 23:44	30° \mathbb{R} \mathbb{B}	
retrograde	-6874 May 29 j 19:18	18° \mathbb{X} 43'25		opposition	-6868 Jan 08 j 05:46	28° \mathbb{B} 34'23	1°36'13
opposition	-6874 Jul 28 j 19:30	13° \mathbb{X} 38'29	-1°58'22	min. Earth dist.	-6868 Jan 09 j 05:24	28° \mathbb{B} 26'47	4.36484 AU
min. Earth dist.	-6874 Jul 27 j 17:13	13° \mathbb{X} 47'25	4.04729 AU	direct	-6868 Mar 10 j 17:41	23° \mathbb{B} 32'19	
direct	-6874 Sep 24 j 21:29	8° \mathbb{X} 42'22			-6868 May 19 j 11:26	0° \mathbb{II}	
evening set	-6873 Jan 28 j 00:36	27° \mathbb{X} 51'48		evening set	-6868 Jul 16 j 07:21	11° \mathbb{II} 34'09	
	-6873 Feb 06 j 04:42	0° \mathbb{B}		max. Earth dist.	-6868 Jul 27 j 10:00	14° \mathbb{II} 02'04	6.35539 AU
conjunction	-6873 Feb 10 j 14:35	1° \mathbb{B} 01'49	-1°28'25	conjunction	-6868 Jul 29 j 00:13	14° \mathbb{II} 23'20	1°20'41
minimum elong	-6873 Feb 10 j 14:34	1° \mathbb{B} 01'48	1°28'53	minimum elong	-6868 Jul 29 j 00:10	14° \mathbb{II} 23'18	1°21'07
max. Earth dist.	-6873 Feb 12 j 08:54	1° \mathbb{B} 26'31	6.06774 AU	morning rise	-6868 Aug 10 j 14:26	17° \mathbb{II} 11'13	
morning rise	-6873 Feb 24 j 06:48	4° \mathbb{B} 12'54			-6868 Oct 15 j 05:13	0° \mathbb{B}	
retrograde	-6873 Jul 04 j 07:26	23° \mathbb{B} 55'00		retrograde	-6868 Dec 09 j 21:05	4° \mathbb{B} 30'17	
opposition	-6873 Sep 01 j 18:17	18° \mathbb{B} 50'10	-2°13'32		-6867 Feb 05 j 20:03	30° \mathbb{R} \mathbb{II}	
min. Earth dist.	-6873 Aug 31 j 18:14	18° \mathbb{B} 58'23	4.10230 AU	opposition	-6867 Feb 08 j 14:37	29° \mathbb{II} 38'50	2°10'27
direct	-6873 Oct 30 j 06:06	13° \mathbb{B} 50'38		min. Earth dist.	-6867 Feb 09 j 18:14	29° \mathbb{II} 30'02	4.33636 AU
	-6872 Feb 21 j 03:15	0° \approx		direct	-6867 Apr 12 j 02:40	24° \mathbb{II} 39'20	
evening set	-6872 Mar 04 j 19:53	2° \approx 51'40			-6867 Jun 13 j 11:24	0° \mathbb{B}	
				evening set	-6867 Aug 16 j 12:32	12° \mathbb{B} 44'15	
conjunction	-6872 Mar 18 j 13:17	5° \approx 59'51	-1°22'44				
minimum elong	-6872 Mar 18 j 13:21	5° \approx 59'53	1°23'09	conjunction	-6867 Aug 28 j 23:57	15° \mathbb{B} 32'58	1°31'15

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Attention, astronomical year style is used: The year -6867 in astronomical counting style is the year 6868 BCE in historical counting style.

minimum elong	-6867 Aug 28 j 23:58	15° \mathfrak{D} 32'58	1°31'41	morning rise	-6861 Mar 01 j 12:04	9° \mathfrak{Z} 16'10	
max. Earth dist.	-6867 Aug 27 j 13:03	15° \mathfrak{D} 13'15	6.30424 AU	retrograde	-6861 Jul 09 j 02:06	28° \mathfrak{Z} 52'03	
morning rise	-6867 Sep 10 j 09:49	18° \mathfrak{D} 21'06		opposition	-6861 Sep 06 j 12:50	23° \mathfrak{Z} 47'23	-2°11'40
	-6867 Nov 06 j 11:17	0° \mathfrak{Q}		min. Earth dist.	-6861 Sep 05 j 13:30	23° \mathfrak{Z} 55'22	4.11355 AU
retrograde	-6866 Jan 11 j 21:42	6° \mathfrak{Q} 11'56		direct	-6861 Nov 04 j 02:55	18° \mathfrak{Z} 47'21	
opposition	-6866 Mar 14 j 01:55	1° \mathfrak{Q} 19'28	2°07'05		-6860 Feb 03 j 07:42	0° \mathfrak{A}	
min. Earth dist.	-6866 Mar 15 j 00:08	1° \mathfrak{Q} 12'25	4.26615 AU	evening set	-6860 Mar 09 j 21:26	7° \mathfrak{A} 46'09	
	-6866 Mar 24 j 15:20	30° \mathfrak{R} \mathfrak{D}					
direct	-6866 May 14 j 21:10	26° \mathfrak{D} 23'01		conjunction	-6860 Mar 23 j 15:11	10° \mathfrak{A} 53'57	-1°19'26
	-6866 Jul 03 j 18:16	0° \mathfrak{Q}		minimum elong	-6860 Mar 23 j 15:16	10° \mathfrak{A} 53'59	1°19'49
evening set	-6866 Sep 16 j 23:52	14° \mathfrak{Q} 38'27		max. Earth dist.	-6860 Mar 24 j 20:37	11° \mathfrak{A} 10'44	6.15530 AU
	-6866 Sep 18 j 13:33	15° \mathfrak{Q}		morning rise	-6860 Apr 06 j 09:06	14° \mathfrak{A} 01'38	
max. Earth dist.	-6866 Sep 28 j 11:42	17° \mathfrak{Q} 16'57	6.22082 AU		-6860 Apr 10 j 16:34	15° \mathfrak{A}	
					-6860 Jun 29 j 11:53	0° \mathfrak{H}	
conjunction	-6866 Sep 29 j 11:22	17° \mathfrak{Q} 30'35	1°14'39	retrograde	-6860 Aug 10 j 17:41	2° \mathfrak{H} 47'01	
minimum elong	-6866 Sep 29 j 11:26	17° \mathfrak{Q} 30'37	1°15'00		-6860 Sep 21 j 18:07	30° \mathfrak{R} \mathfrak{A}	
morning rise	-6866 Oct 11 j 23:23	20° \mathfrak{Q} 23'08		opposition	-6860 Oct 08 j 22:45	27° \mathfrak{A} 45'04	-1°34'08
	-6866 Nov 25 j 15:36	0° \mathfrak{M}		min. Earth dist.	-6860 Oct 08 j 10:56	27° \mathfrak{A} 49'04	4.20171 AU
retrograde	-6865 Feb 15 j 13:55	9° \mathfrak{M} 00'06		direct	-6860 Dec 07 j 15:21	22° \mathfrak{A} 42'15	
opposition	-6865 Apr 17 j 20:04	4° \mathfrak{M} 04'50	1°23'43		-6859 Feb 18 j 01:59	0° \mathfrak{H}	
min. Earth dist.	-6865 Apr 18 j 06:31	4° \mathfrak{M} 01'29	4.17443 AU	evening set	-6859 Apr 14 j 11:33	11° \mathfrak{H} 22'16	
	-6865 May 25 j 14:56	30° \mathfrak{R} \mathfrak{Q}					
direct	-6865 Jun 17 j 12:14	29° \mathfrak{Q} 10'49		conjunction	-6859 Apr 28 j 04:09	14° \mathfrak{H} 25'49	-0°42'39
	-6865 Jul 10 j 05:34	0° \mathfrak{M}		minimum elong	-6859 Apr 28 j 04:13	14° \mathfrak{H} 25'51	0°42'49
evening set	-6865 Oct 19 j 11:20	17° \mathfrak{M} 42'20		max. Earth dist.	-6859 Apr 28 j 12:01	14° \mathfrak{H} 30'13	6.24713 AU
				morning rise	-6859 May 11 j 18:58	17° \mathfrak{H} 28'18	
conjunction	-6865 Nov 01 j 04:28	20° \mathfrak{M} 40'46	0°33'43		-6859 Jul 13 j 11:53	0° \mathfrak{Y}	
minimum elong	-6865 Nov 01 j 04:30	20° \mathfrak{M} 40'48	0°33'50	retrograde	-6859 Sep 11 j 20:40	5° \mathfrak{Y} 22'55	
max. Earth dist.	-6865 Nov 01 j 01:25	20° \mathfrak{M} 38'59	6.12980 AU	opposition	-6859 Nov 10 j 05:47	0° \mathfrak{Y} 24'47	-0°27'55
morning rise	-6865 Nov 13 j 23:39	23° \mathfrak{M} 40'30		min. Earth dist.	-6859 Nov 10 j 07:27	0° \mathfrak{Y} 24'13	4.28833 AU
	-6865 Dec 11 j 23:16	0° \mathfrak{L}			-6859 Nov 13 j 08:02	30° \mathfrak{R} \mathfrak{H}	
retrograde	-6864 Mar 22 j 14:57	13° \mathfrak{L} 06'08		direct	-6858 Jan 10 j 03:56	25° \mathfrak{H} 20'43	
opposition	-6864 May 22 j 15:55	8° \mathfrak{L} 07'01	0°10'13		-6858 Mar 08 j 15:38	0° \mathfrak{Y}	
min. Earth dist.	-6864 May 22 j 09:43	8° \mathfrak{L} 09'02	4.09083 AU	asc. node	-6858 Apr 09 j 09:40	5° \mathfrak{Y} 30'00	
desc. node	-6864 Jul 11 j 09:49	3° \mathfrak{L} 23'20		evening set	-6858 May 18 j 12:54	13° \mathfrak{Y} 41'24	
direct	-6864 Jul 20 j 23:59	3° \mathfrak{L} 14'09					
evening set	-6864 Nov 21 j 13:33	22° \mathfrak{L} 03'49		conjunction	-6858 May 31 j 23:16	16° \mathfrak{Y} 39'20	0°06'39
				minimum elong	-6858 May 31 j 23:16	16° \mathfrak{Y} 39'20	0°06'44
conjunction	-6864 Dec 04 j 14:33	25° \mathfrak{L} 08'44	-0°19'54	behind sun begin	-6858 May 31 j 15:38	16° \mathfrak{Y} 35'08	
minimum elong	-6864 Dec 04 j 14:31	25° \mathfrak{L} 08'43	0°20'03	behind sun end	-6858 Jun 01 j 06:54	16° \mathfrak{Y} 43'32	
max. Earth dist.	-6864 Dec 05 j 09:29	25° \mathfrak{L} 19'57	6.06157 AU	max. Earth dist.	-6858 May 31 j 09:09	16° \mathfrak{Y} 31'32	6.32271 AU
morning rise	-6864 Dec 17 j 18:56	28° \mathfrak{L} 15'30		morning rise	-6858 Jun 14 j 06:26	19° \mathfrak{Y} 35'37	
	-6864 Dec 25 j 05:54	0° \mathfrak{M}			-6858 Aug 04 j 10:00	0° \mathfrak{B}	
retrograde	-6863 Mar 12 j 17:02	15° \mathfrak{M}		retrograde	-6858 Oct 13 j 05:55	6° \mathfrak{B} 55'50	
	-6863 Apr 28 j 09:03	18° \mathfrak{M} 15'58		opposition	-6858 Dec 11 j 23:34	2° \mathfrak{B} 01'21	0°44'32
	-6863 Jun 14 j 06:35	15° \mathfrak{R} \mathfrak{M}		min. Earth dist.	-6858 Dec 12 j 15:08	1° \mathfrak{B} 56'16	4.34732 AU
opposition	-6863 Jun 27 j 22:20	13° \mathfrak{M} 13'02	-1°09'10		-6858 Dec 27 j 21:33	30° \mathfrak{R} \mathfrak{Y}	
min. Earth dist.	-6863 Jun 27 j 02:05	13° \mathfrak{M} 19'48	4.04488 AU	direct	-6857 Feb 11 j 23:38	26° \mathfrak{Y} 57'48	
direct	-6863 Aug 25 j 07:20	8° \mathfrak{M} 19'13			-6857 Mar 30 j 04:42	0° \mathfrak{B}	
	-6863 Oct 30 j 16:09	15° \mathfrak{M}			-6857 Jun 19 j 18:46	15° \mathfrak{B}	
evening set	-6863 Dec 27 j 08:39	27° \mathfrak{M} 23'35		evening set	-6857 Jun 20 j 03:43	15° \mathfrak{B} 04'55	
	-6862 Jan 07 j 10:09	0° \mathfrak{J}		max. Earth dist.	-6857 Jul 01 j 21:42	17° \mathfrak{B} 40'17	6.36012 AU
conjunction	-6862 Jan 09 j 17:28	0° \mathfrak{J} 32'40	-1°07'09	conjunction	-6857 Jul 03 j 04:37	17° \mathfrak{B} 57'22	0°52'56
minimum elong	-6862 Jan 09 j 17:24	0° \mathfrak{J} 32'37	1°07'31	minimum elong	-6857 Jul 03 j 04:33	17° \mathfrak{B} 57'20	0°53'14
max. Earth dist.	-6862 Jan 11 j 07:09	0° \mathfrak{J} 54'55	6.04127 AU	morning rise	-6857 Jul 16 j 02:06	20° \mathfrak{B} 48'08	
morning rise	-6862 Jan 23 j 05:26	3° \mathfrak{J} 43'25			-6857 Aug 29 j 16:11	0° \mathfrak{I}	
retrograde	-6862 Jun 03 j 21:33	23° \mathfrak{J} 48'38		retrograde	-6857 Nov 13 j 12:23	7° \mathfrak{I} 57'35	
opposition	-6862 Aug 02 j 18:47	18° \mathfrak{J} 43'36	-2°03'27	opposition	-6856 Jan 12 j 19:18	3° \mathfrak{I} 05'28	1°43'03
min. Earth dist.	-6862 Aug 01 j 16:47	18° \mathfrak{J} 52'26	4.05387 AU	min. Earth dist.	-6856 Jan 13 j 19:39	2° \mathfrak{I} 57'38	4.36214 AU
direct	-6862 Sep 29 j 21:17	13° \mathfrak{J} 47'02			-6856 Feb 07 j 18:52	30° \mathfrak{R} \mathfrak{B}	
	-6861 Jan 20 j 10:50	0° \mathfrak{Z}		direct	-6856 Mar 15 j 07:59	28° \mathfrak{B} 03'43	
evening set	-6861 Feb 02 j 04:47	2° \mathfrak{Z} 55'31			-6856 Apr 20 j 23:24	0° \mathfrak{I}	
				evening set	-6856 Jul 20 j 18:33	16° \mathfrak{I} 05'59	
conjunction	-6861 Feb 15 j 19:15	6° \mathfrak{Z} 05'19	-1°29'36	max. Earth dist.	-6856 Jul 31 j 21:51	18° \mathfrak{I} 34'30	6.35003 AU
minimum elong	-6861 Feb 15 j 19:14	6° \mathfrak{Z} 05'19	1°30'03				
max. Earth dist.	-6861 Feb 17 j 11:23	6° \mathfrak{Z} 28'41	6.07710 AU	conjunction	-6856 Aug 02 j 10:28	18° \mathfrak{I} 54'55	1°23'44

Attention, astronomical year style is used: The year -6856 in astronomical counting style is the year 6857 BCE in historical counting style.

minimum elong	-6856 Aug 02 j 10:25	18° Π 54'54	1°24'11	min. Earth dist.	-6850 Aug 06 j 13:11	23° X 52'19	4.05873 AU
morning rise	-6856 Aug 14 j 23:36	21° Π 42'36		direct	-6850 Oct 04 j 18:06	18° X 46'17	
	-6856 Sep 23 j 08:53	0° E			-6849 Jan 02 j 17:39	0° E	
retrograde	-6856 Dec 14 j 11:31	9° E 05'07		evening set	-6849 Feb 07 j 07:01	7° E 54'45	
opposition	-6855 Feb 13 j 07:27	4° E 13'41	2°12'24				
min. Earth dist.	-6855 Feb 14 j 10:07	4° E 05'13	4.32897 AU	conjunction	-6849 Feb 20 j 22:15	11° E 04'33	-1°30'07
	-6855 Mar 25 j 06:34	30° R Π		minimum elong	-6849 Feb 20 j 22:15	11° E 04'33	1°30'34
direct	-6855 Apr 16 j 17:57	29° Π 14'42		max. Earth dist.	-6849 Feb 22 j 13:59	11° E 27'38	6.08420 AU
	-6855 May 09 j 05:20	0° E		morning rise	-6849 Mar 06 j 15:19	14° E 15'11	
evening set	-6855 Aug 20 j 23:41	17° E 20'25			-6849 May 25 j 05:19	0° \approx	
max. Earth dist.	-6855 Sep 01 j 00:05	19° E 49'47	6.29538 AU	retrograde	-6849 Jul 13 j 21:39	3° \approx 45'58	
					-6849 Sep 01 j 14:01	30° R E	
conjunction	-6855 Sep 02 j 10:34	20° E 09'19	1°30'32	min. Earth dist.	-6849 Sep 10 j 08:57	28° E 48'50	4.12213 AU
minimum elong	-6855 Sep 02 j 10:35	20° E 09'19	1°30'59	opposition	-6849 Sep 11 j 06:03	28° E 41'37	-2°08'56
morning rise	-6855 Sep 14 j 20:28	22° E 57'48		direct	-6849 Nov 08 j 23:25	23° E 41'10	
	-6855 Oct 17 j 07:24	0° Ω			-6848 Jan 13 j 14:00	0° \approx	
retrograde	-6854 Jan 16 j 18:02	10° Ω 53'50		evening set	-6848 Mar 14 j 22:13	12° \approx 38'51	
opposition	-6854 Mar 18 j 22:42	6° Ω 01'03	2°03'13		-6848 Mar 25 j 06:46	15° \approx	
min. Earth dist.	-6854 Mar 19 j 19:31	5° Ω 54'26	4.25632 AU				
direct	-6854 May 19 j 15:20	1° Ω 04'59		conjunction	-6848 Mar 28 j 16:10	15° \approx 46'20	-1°15'37
	-6854 Sep 02 j 03:00	15° Ω		minimum elong	-6848 Mar 28 j 16:14	15° \approx 46'23	1°15'58
evening set	-6854 Sep 21 j 12:22	19° Ω 21'25		max. Earth dist.	-6848 Mar 29 j 18:59	16° \approx 01'36	6.16479 AU
max. Earth dist.	-6854 Oct 03 j 04:29	22° Ω 02'39	6.21102 AU	morning rise	-6848 Apr 11 j 10:02	18° \approx 53'36	
					-6848 Jun 03 j 12:21	0° H	
conjunction	-6854 Oct 04 j 00:28	22° Ω 14'11	1°10'08	retrograde	-6848 Aug 15 j 06:45	7° H 32'43	
minimum elong	-6854 Oct 04 j 00:32	22° Ω 14'14	1°10'27	opposition	-6848 Oct 13 j 12:32	2° H 31'16	-1°26'04
morning rise	-6854 Oct 16 j 13:05	25° Ω 07'28		min. Earth dist.	-6848 Oct 13 j 01:42	2° H 34'57	4.21131 AU
	-6854 Nov 07 j 05:57	0° H			-6848 Nov 02 j 01:26	30° R \approx	
retrograde	-6853 Feb 20 j 13:15	13° H 50'07		direct	-6848 Dec 12 j 08:03	27° \approx 28'12	
opposition	-6853 Apr 22 j 19:53	8° H 54'24	1°14'44		-6847 Jan 22 j 03:06	0° H	
min. Earth dist.	-6853 Apr 23 j 03:45	8° H 51'52	4.16525 AU	evening set	-6847 Apr 19 j 08:41	16° H 06'36	
direct	-6853 Jun 22 j 07:15	4° H 00'42					
evening set	-6853 Oct 24 j 03:30	22° H 33'17		conjunction	-6847 May 03 j 00:45	19° H 09'34	-0°36'06
				minimum elong	-6847 May 03 j 00:48	19° H 09'36	0°36'14
conjunction	-6853 Nov 05 j 21:25	25° H 32'28	0°26'35	max. Earth dist.	-6847 May 03 j 05:22	19° H 12'09	6.25637 AU
minimum elong	-6853 Nov 05 j 21:27	25° H 32'29	0°26'41	morning rise	-6847 May 16 j 14:49	22° H 11'22	
max. Earth dist.	-6853 Nov 05 j 20:29	25° H 31'55	6.12200 AU		-6847 Jun 22 j 09:33	0° Y	
morning rise	-6853 Nov 18 j 17:50	28° H 33'03		retrograde	-6847 Sep 16 j 09:11	10° Y 00'55	
	-6853 Nov 24 j 23:44	0° E		opposition	-6847 Nov 14 j 18:01	5° Y 03'20	-0°17'32
retrograde	-6852 Mar 27 j 16:17	18° E 03'25		min. Earth dist.	-6847 Nov 14 j 22:13	5° Y 01'56	4.29639 AU
desc. node	-6852 May 21 j 22:25	13° E 48'52			-6846 Jan 12 j 01:36	30° R H	
opposition	-6852 May 27 j 16:51	13° E 03'42	-0°01'11	direct	-6846 Jan 14 j 21:07	29° H 59'15	
min. Earth dist.	-6852 May 27 j 08:32	13° E 06'26	4.08494 AU		-6846 Jan 17 j 16:34	0° Y	
direct	-6852 Jul 25 j 21:40	8° E 10'49		asc. node	-6846 Feb 16 j 11:39	1° Y 35'01	
evening set	-6852 Nov 26 j 10:20	27° E 01'46		evening set	-6846 May 23 j 05:33	18° Y 18'14	
conjunction	-6852 Dec 09 j 12:32	0° H 07'19	-0°27'18	conjunction	-6846 Jun 05 j 14:49	21° Y 15'27	0°13'42
minimum elong	-6852 Dec 09 j 12:29	0° H 07'17	0°27'30	minimum elong	-6846 Jun 05 j 14:48	21° Y 15'26	0°13'49
	-6852 Dec 09 j 00:10	0° H		behind sun begin	-6846 Jun 05 j 10:37	21° Y 13'08	
max. Earth dist.	-6852 Dec 10 j 11:09	0° H 20'42	6.05813 AU	behind sun end	-6846 Jun 05 j 18:58	21° Y 17'44	
morning rise	-6852 Dec 22 j 17:55	3° H 14'41		max. Earth dist.	-6846 Jun 04 j 22:35	21° Y 06'28	6.32896 AU
	-6851 Feb 14 j 22:11	15° H		morning rise	-6846 Jun 18 j 20:41	24° Y 10'56	
retrograde	-6851 May 03 j 11:43	23° H 16'57			-6846 Jul 16 j 02:35	0° E	
opposition	-6851 Jul 02 j 22:11	18° H 13'42	-1°18'48	retrograde	-6846 Oct 17 j 15:17	11° E 28'31	
min. Earth dist.	-6851 Jul 02 j 01:27	18° H 20'38	4.04443 AU	opposition	-6846 Dec 16 j 11:27	6° E 34'23	0°54'06
	-6851 Jul 29 j 08:32	15° R H		min. Earth dist.	-6846 Dec 17 j 03:38	6° E 29'07	4.35154 AU
direct	-6851 Aug 30 j 05:45	13° H 19'37		direct	-6845 Feb 16 j 13:29	1° E 30'58	
	-6851 Sep 30 j 23:00	15° H			-6845 Jun 03 j 04:34	15° E	
	-6851 Dec 22 j 00:34	0° X		evening set	-6845 Jun 24 j 16:41	19° E 36'54	
evening set	-6850 Jan 01 j 09:36	2° X 24'54		max. Earth dist.	-6845 Jul 06 j 08:46	22° E 11'19	6.36186 AU
conjunction	-6850 Jan 14 j 19:07	5° X 34'12	-1°12'02	conjunction	-6845 Jul 07 j 16:09	22° E 28'41	0°58'29
minimum elong	-6850 Jan 14 j 19:03	5° X 34'10	1°12'26	minimum elong	-6845 Jul 07 j 16:05	22° E 28'38	0°58'49
max. Earth dist.	-6850 Jan 16 j 08:07	5° X 56'01	6.04347 AU	morning rise	-6845 Jul 20 j 12:15	25° E 18'48	
morning rise	-6850 Jan 28 j 08:04	8° X 45'12			-6845 Aug 11 j 06:45	0° Π	
retrograde	-6850 Jun 08 j 19:16	28° X 48'26		retrograde	-6845 Nov 17 j 23:53	12° Π 28'20	
opposition	-6850 Aug 07 j 15:37	23° X 43'19	-2°07'32	opposition	-6844 Jan 17 j 08:30	7° Π 36'24	1°49'15

Attention, astronomical year style is used: The year -6844 in astronomical counting style is the year 6845 BCE in historical counting style.

min. Earth dist.	-6844 Jan 18 j 09:49	7° Π 28'17	4.36123 AU	max. Earth dist.	-6838 Jan 21 j 16:00	11° 𐤀 06'40	6.04367 AU
direct	-6844 Mar 19 j 22:38	2° Π 34'58		morning rise	-6838 Feb 02 j 14:31	13° 𐤀 54'54	
evening set	-6844 Jul 25 j 04:51	20° Π 36'43			-6838 Apr 23 j 19:44	0° 𐤀	
max. Earth dist.	-6844 Aug 05 j 05:48	23° Π 04'11	6.34609 AU	retrograde	-6838 Jun 13 j 22:35	3° 𐤀 56'26	
					-6838 Aug 04 j 04:24	30° 𐤀	
conjunction	-6844 Aug 06 j 19:41	23° Π 25'21	1°26'17	opposition	-6838 Aug 12 j 15:44	28° 𐤀 51'18	-2°10'47
minimum elong	-6844 Aug 06 j 19:39	23° Π 25'19	1°26'43	min. Earth dist.	-6838 Aug 11 j 14:13	29° 𐤀 00'00	4.06286 AU
morning rise	-6844 Aug 19 j 08:07	26° Π 12'50		direct	-6838 Oct 09 j 19:26	23° 𐤀 53'50	
	-6844 Sep 05 j 15:41	0° 𐤀			-6838 Dec 12 j 06:52	0° 𐤀	
retrograde	-6844 Dec 19 j 01:57	13° 𐤀 38'21		evening set	-6837 Feb 12 j 13:35	13° 𐤀 02'29	
opposition	-6843 Feb 17 j 23:31	8° 𐤀 46'45	2°13'32				
min. Earth dist.	-6843 Feb 19 j 01:39	8° 𐤀 38'27	4.32217 AU	conjunction	-6837 Feb 26 j 05:26	16° 𐤀 12'13	-1°29'58
direct	-6843 Apr 21 j 08:13	3° 𐤀 48'05		minimum elong	-6837 Feb 26 j 05:27	16° 𐤀 12'14	1°30'26
evening set	-6843 Aug 25 j 09:19	21° 𐤀 54'21		max. Earth dist.	-6837 Feb 27 j 20:44	16° 𐤀 35'00	6.09200 AU
				morning rise	-6837 Mar 11 j 22:59	19° 𐤀 22'41	
conjunction	-6843 Sep 06 j 20:07	24° 𐤀 43'31	1°29'17		-6837 Apr 30 j 08:08	0° 𐤀	
minimum elong	-6843 Sep 06 j 20:08	24° 𐤀 43'32	1°29'44	retrograde	-6837 Jul 18 j 18:11	8° 𐤀 47'24	
max. Earth dist.	-6843 Sep 05 j 12:11	24° 𐤀 25'23	6.28615 AU	min. Earth dist.	-6837 Sep 15 j 05:03	3° 𐤀 50'40	4.13313 AU
morning rise	-6843 Sep 19 j 05:51	27° 𐤀 32'21		opposition	-6837 Sep 16 j 02:18	3° 𐤀 43'24	-2°05'11
	-6843 Sep 30 j 05:48	0° Ω			-6837 Oct 17 j 00:58	30° 𐤀	
	-6842 Jan 02 j 09:44	15° Ω		direct	-6837 Nov 13 j 21:41	28° 𐤀 42'37	
retrograde	-6842 Jan 21 j 12:58	15° Ω 33'48			-6837 Dec 12 j 03:10	0° 𐤀	
	-6842 Feb 09 j 16:31	15° 𐤀			-6836 Mar 08 j 07:30	15° 𐤀	
opposition	-6842 Mar 23 j 18:29	10° Ω 40'42	1°58'38	evening set	-6836 Mar 20 j 02:09	17° 𐤀 38'04	
min. Earth dist.	-6842 Mar 24 j 14:12	10° Ω 34'26	4.24506 AU				
direct	-6842 May 24 j 07:38	5° Ω 44'59		conjunction	-6836 Apr 02 j 20:05	20° 𐤀 45'00	-1°11'11
	-6842 Aug 15 j 04:52	15° Ω		minimum elong	-6836 Apr 02 j 20:10	20° 𐤀 45'03	1°11'30
evening set	-6842 Sep 26 j 00:30	24° Ω 03'04		max. Earth dist.	-6836 Apr 03 j 20:17	20° 𐤀 58'44	6.17852 AU
				morning rise	-6836 Apr 16 j 13:46	23° 𐤀 51'36	
conjunction	-6842 Oct 08 j 13:01	26° Ω 56'35	1°05'13		-6836 May 14 j 15:15	0° 𐤀	
minimum elong	-6842 Oct 08 j 13:05	26° Ω 56'37	1°05'29	retrograde	-6836 Aug 19 j 23:30	12° 𐤀 22'45	
max. Earth dist.	-6842 Oct 07 j 17:53	26° Ω 45'30	6.19866 AU	opposition	-6836 Oct 18 j 04:44	7° 𐤀 21'50	-1°17'19
morning rise	-6842 Oct 21 j 02:37	29° Ω 50'47		min. Earth dist.	-6836 Oct 17 j 20:08	7° 𐤀 24'45	4.22647 AU
	-6842 Oct 21 j 18:40	0° 𐤀		direct	-6836 Dec 17 j 06:06	2° 𐤀 18'35	
retrograde	-6841 Feb 25 j 12:56	18° 𐤀 40'12		evening set	-6835 Apr 24 j 06:47	20° 𐤀 52'58	
opposition	-6841 Apr 27 j 19:17	13° 𐤀 43'53	1°05'16				
min. Earth dist.	-6841 Apr 28 j 00:55	13° 𐤀 42'04	4.15249 AU	conjunction	-6835 May 07 j 22:14	23° 𐤀 55'01	-0°29'18
direct	-6841 Jun 27 j 02:18	8° 𐤀 50'19		minimum elong	-6835 May 07 j 22:16	23° 𐤀 55'03	0°29'23
evening set	-6841 Oct 28 j 20:25	27° 𐤀 25'37		max. Earth dist.	-6835 May 08 j 01:35	23° 𐤀 56'53	6.27212 AU
	-6841 Nov 08 j 19:43	0° Ω		morning rise	-6835 May 21 j 11:12	26° 𐤀 55'45	
					-6835 Jun 04 j 12:11	0° 𐤀	
conjunction	-6841 Nov 10 j 15:36	0° Ω 25'49	0°19'15	retrograde	-6835 Sep 20 j 18:43	14° 𐤀 37'59	
minimum elong	-6841 Nov 10 j 15:38	0° Ω 25'50	0°19'18	opposition	-6835 Nov 19 j 06:12	9° 𐤀 40'56	-0°07'09
max. Earth dist.	-6841 Nov 10 j 18:47	0° Ω 27'41	6.11018 AU	min. Earth dist.	-6835 Nov 19 j 10:57	9° 𐤀 39'22	4.31151 AU
morning rise	-6841 Nov 23 j 13:11	3° Ω 27'28		asc. node	-6835 Dec 27 j 10:12	5° 𐤀 26'49	
retrograde	-6840 Apr 01 j 20:45	23° Ω 03'54		direct	-6834 Jan 19 j 12:41	4° 𐤀 36'54	
desc. node	-6840 Apr 01 j 01:20	23° Ω 03'50		evening set	-6834 May 27 j 21:04	22° 𐤀 51'39	
opposition	-6840 Jun 01 j 18:57	18° Ω 03'40	-0°12'43	max. Earth dist.	-6834 Jun 09 j 09:39	25° 𐤀 37'08	6.34233 AU
min. Earth dist.	-6840 Jun 01 j 09:19	18° Ω 06'50	4.07508 AU				
direct	-6840 Jul 30 j 20:16	13° Ω 10'44		conjunction	-6834 Jun 10 j 04:50	25° 𐤀 47'44	0°20'33
	-6840 Nov 22 j 12:29	0° 𐤀		minimum elong	-6834 Jun 10 j 04:48	25° 𐤀 47'43	0°20'42
evening set	-6840 Dec 01 j 09:42	2° 𐤀 04'38		morning rise	-6834 Jun 23 j 09:20	28° 𐤀 42'06	
					-6834 Jun 29 j 07:59	0° 𐤀	
conjunction	-6840 Dec 14 j 12:53	5° 𐤀 10'58	-0°34'38		-6834 Sep 27 j 23:10	15° 𐤀	
minimum elong	-6840 Dec 14 j 12:50	5° 𐤀 10'56	0°34'51	retrograde	-6834 Oct 22 j 00:02	15° 𐤀 55'01	
max. Earth dist.	-6840 Dec 15 j 12:34	5° 𐤀 24'59	6.05093 AU		-6834 Nov 14 j 23:12	15° 𐤀	
morning rise	-6840 Dec 27 j 19:41	8° 𐤀 19'12		opposition	-6834 Dec 20 j 21:28	11° 𐤀 01'19	1°03'02
	-6839 Jan 26 j 03:20	15° 𐤀		min. Earth dist.	-6834 Dec 21 j 16:00	10° 𐤀 55'18	4.36219 AU
retrograde	-6839 May 08 j 15:27	28° 𐤀 24'31		direct	-6833 Feb 21 j 03:43	5° 𐤀 58'06	
min. Earth dist.	-6839 Jul 07 j 01:39	23° 𐤀 28'29	4.04080 AU		-6833 May 16 j 09:14	15° 𐤀	
opposition	-6839 Jul 08 j 00:25	23° 𐤀 20'51	-1°28'04	evening set	-6833 Jun 29 j 01:58	24° 𐤀 00'43	
direct	-6839 Sep 04 j 05:16	18° 𐤀 26'25		max. Earth dist.	-6833 Jul 10 j 14:59	26° 𐤀 33'19	6.36866 AU
	-6839 Dec 04 j 03:18	0° 𐤀					
evening set	-6838 Jan 06 j 14:16	7° 𐤀 33'54		conjunction	-6833 Jul 12 j 00:07	26° 𐤀 51'38	1°03'30
				minimum elong	-6833 Jul 12 j 00:03	26° 𐤀 51'36	1°03'52
conjunction	-6838 Jan 20 j 00:54	10° 𐤀 43'37	-1°16'30	morning rise	-6833 Jul 24 j 18:51	29° 𐤀 40'55	
minimum elong	-6838 Jan 20 j 00:50	10° 𐤀 43'35	1°16'55		-6833 Jul 26 j 05:36	0° 𐤀	

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Attention, astronomical year style is used: The year -6833 in astronomical counting style is the year 6834 BCE in historical counting style.

retrograde	-6833 Nov 22 j 06:35	16° Π 49'27		direct	-6827 Sep 09 j 06:30	23° Π 35'40	
opposition	-6832 Jan 21 j 18:12	11° Π 57'40	1°54'32		-6827 Nov 13 j 00:44	0° π	
min. Earth dist.	-6832 Jan 22 j 19:46	11° Π 49'29	4.36390 AU	evening set	-6826 Jan 11 j 20:18	12° π 46'02	
direct	-6832 Mar 24 j 08:04	6° Π 56'32					
evening set	-6832 Jul 29 j 10:35	24° Π 56'51		conjunction	-6826 Jan 25 j 07:52	15° π 56'11	-1°20'20
max. Earth dist.	-6832 Aug 09 j 10:34	27° Π 23'56	6.34424 AU	minimum elong	-6826 Jan 25 j 07:48	15° π 56'09	1°20'45
				max. Earth dist.	-6826 Jan 27 j 00:48	16° π 20'17	6.04310 AU
conjunction	-6832 Aug 11 j 00:29	27° Π 45'08	1°28'13	morning rise	-6826 Feb 07 j 22:25	19° π 07'49	
minimum elong	-6832 Aug 11 j 00:26	27° Π 45'07	1°28'39		-6826 Mar 29 j 17:32	0° π	
	-6832 Aug 21 j 01:52	0° π		retrograde	-6826 Jun 19 j 00:15	9° π 07'09	
morning rise	-6832 Aug 23 j 12:04	0° π 32'22		opposition	-6826 Aug 17 j 16:17	4° π 01'56	-2°12'57
retrograde	-6832 Dec 23 j 12:50	18° π 00'40		min. Earth dist.	-6826 Aug 16 j 13:28	4° π 11'05	4.06780 AU
opposition	-6831 Feb 22 j 11:14	13° π 09'03	2°13'49		-6826 Sep 21 j 10:26	30° π 4'	
min. Earth dist.	-6831 Feb 23 j 14:21	13° π 00'27	4.31578 AU	direct	-6826 Oct 14 j 20:03	29° π 03'57	
direct	-6831 Apr 25 j 18:58	8° π 10'45			-6826 Nov 07 j 10:58	0° π	
evening set	-6831 Aug 29 j 14:44	26° π 17'51		evening set	-6825 Feb 17 j 20:45	18° π 12'00	
max. Earth dist.	-6831 Sep 09 j 16:22	28° π 48'35	6.27563 AU				
				conjunction	-6825 Mar 03 j 13:03	21° π 21'31	-1°29'06
conjunction	-6831 Sep 11 j 01:21	29° π 07'22	1°27'34	minimum elong	-6825 Mar 03 j 13:05	21° π 21'32	1°29'33
minimum elong	-6831 Sep 11 j 01:23	29° π 07'23	1°27'59	max. Earth dist.	-6825 Mar 05 j 03:01	21° π 43'28	6.10165 AU
	-6831 Sep 14 j 21:48	0° Ω		morning rise	-6825 Mar 17 j 06:55	24° π 31'36	
morning rise	-6831 Sep 23 j 11:24	1° Ω 56'44			-6825 Apr 10 j 17:25	0° \approx	
	-6831 Nov 27 j 12:25	15° Ω		retrograde	-6825 Jul 23 j 15:19	13° \approx 49'11	
retrograde	-6830 Jan 26 j 04:07	20° Ω 04'28		opposition	-6825 Sep 20 j 22:28	8° \approx 45'22	-2°00'28
opposition	-6830 Mar 28 j 10:06	15° Ω 11'00	1°53'31	min. Earth dist.	-6825 Sep 20 j 02:53	8° \approx 52'04	4.14599 AU
min. Earth dist.	-6830 Mar 29 j 04:30	15° Ω 05'08	4.23098 AU	direct	-6825 Nov 18 j 22:51	3° \approx 44'02	
	-6830 Mar 29 j 20:38	15° κ 0			-6824 Feb 19 j 02:57	15° \approx	
direct	-6830 May 28 j 18:39	10° Ω 15'35		evening set	-6824 Mar 25 j 05:28	22° \approx 36'13	
	-6830 Jul 24 j 23:33	15° Ω					
evening set	-6830 Sep 30 j 09:06	28° Ω 36'48		conjunction	-6824 Apr 07 j 23:27	25° \approx 42'30	-1°06'14
	-6830 Oct 06 j 09:06	0° η		minimum elong	-6824 Apr 07 j 23:32	25° \approx 42'33	1°06'32
				max. Earth dist.	-6824 Apr 08 j 22:36	25° \approx 55'36	6.19335 AU
conjunction	-6830 Oct 12 j 22:30	1° η 31'21	1°00'02	morning rise	-6824 Apr 21 j 16:36	28° \approx 48'15	
minimum elong	-6830 Oct 12 j 22:34	1° η 31'23	1°00'18		-6824 Apr 27 j 00:57	0° π	
max. Earth dist.	-6830 Oct 12 j 06:18	1° η 21'56	6.18243 AU	retrograde	-6824 Aug 24 j 13:45	17° π 10'57	
morning rise	-6830 Oct 25 j 12:56	4° η 26'39		opposition	-6824 Oct 22 j 19:56	12° π 10'31	-1°08'05
retrograde	-6829 Mar 02 j 11:35	23° η 24'33		min. Earth dist.	-6824 Oct 22 j 12:23	12° π 13'04	4.24146 AU
opposition	-6829 May 02 j 16:08	18° η 27'48	0°55'38	direct	-6824 Dec 22 j 00:59	7° π 07'00	
min. Earth dist.	-6829 May 02 j 20:56	18° η 26'15	4.13520 AU	evening set	-6823 Apr 29 j 04:10	25° π 37'33	
direct	-6829 Jul 01 j 18:53	13° η 34'26					
	-6829 Oct 23 j 20:32	0° $\underline{\pi}$		conjunction	-6823 May 12 j 18:35	28° π 38'39	-0°22'18
evening set	-6829 Nov 02 j 11:54	2° $\underline{\pi}$ 14'28		minimum elong	-6823 May 12 j 18:37	28° π 38'40	0°22'21
				max. Earth dist.	-6823 May 12 j 17:14	28° π 37'54	6.28593 AU
conjunction	-6829 Nov 15 j 08:09	5° $\underline{\pi}$ 15'53	0°11'57		-6823 May 18 j 20:58	0° γ	
minimum elong	-6829 Nov 15 j 08:09	5° $\underline{\pi}$ 15'54	0°11'56	morning rise	-6823 May 26 j 06:40	1° γ 38'23	
behind sun begin	-6829 Nov 15 j 02:31	5° $\underline{\pi}$ 12'35		retrograde	-6823 Sep 25 j 06:27	19° γ 14'24	
behind sun end	-6829 Nov 15 j 13:48	5° $\underline{\pi}$ 19'13		asc. node	-6823 Nov 05 j 22:06	16° γ 34'01	
max. Earth dist.	-6829 Nov 15 j 12:38	5° $\underline{\pi}$ 18'31	6.09346 AU	opposition	-6823 Nov 23 j 18:32	14° γ 17'50	0°03'20
morning rise	-6829 Nov 28 j 07:16	8° $\underline{\pi}$ 18'56		min. Earth dist.	-6823 Nov 24 j 02:14	14° γ 15'17	4.32290 AU
desc. node	-6828 Feb 11 j 03:30	23° $\underline{\pi}$ 31'21		direct	-6822 Jan 24 j 06:02	9° γ 13'45	
retrograde	-6828 Apr 06 j 23:09	28° $\underline{\pi}$ 03'26		evening set	-6822 Jun 01 j 12:22	27° γ 25'37	
opposition	-6828 Jun 06 j 19:50	23° $\underline{\pi}$ 02'40	-0°24'00		-6822 Jun 13 j 05:11	0° δ	
min. Earth dist.	-6828 Jun 06 j 07:15	23° $\underline{\pi}$ 06'49	4.06063 AU				
direct	-6828 Aug 04 j 16:06	18° $\underline{\pi}$ 09'39		conjunction	-6822 Jun 14 j 18:57	0° δ 20'50	0°27'22
	-6828 Nov 05 j 01:15	0° Π		minimum elong	-6822 Jun 14 j 18:55	0° δ 20'49	0°27'33
evening set	-6828 Dec 06 j 09:26	7° Π 08'30		max. Earth dist.	-6822 Jun 13 j 22:10	0° δ 09'22	6.35033 AU
				morning rise	-6822 Jun 27 j 21:54	3° δ 14'16	
conjunction	-6828 Dec 19 j 14:00	10° Π 15'52	-0°41'37		-6822 Aug 26 j 08:47	15° δ	
minimum elong	-6828 Dec 19 j 13:56	10° Π 15'50	0°41'52	retrograde	-6822 Oct 26 j 08:39	20° δ 24'38	
max. Earth dist.	-6828 Dec 20 j 17:45	10° Π 32'20	6.04014 AU	opposition	-6822 Dec 25 j 09:00	15° δ 31'17	1°11'49
morning rise	-6827 Jan 01 j 21:53	13° Π 25'05		min. Earth dist.	-6822 Dec 26 j 04:14	15° δ 25'02	4.36647 AU
	-6827 Jan 08 j 16:06	15° Π			-6822 Dec 29 j 09:35	15° κ 0	
	-6827 Mar 26 j 02:10	0° π		direct	-6821 Feb 25 j 16:06	10° δ 28'17	
retrograde	-6827 May 13 j 21:43	3° π 34'32			-6821 Apr 24 j 03:08	15° δ	
	-6827 Jul 01 j 20:54	30° κ 0		evening set	-6821 Jul 03 j 13:32	28° δ 29'45	
min. Earth dist.	-6827 Jul 12 j 03:37	28° Π 38'19	4.03497 AU		-6821 Jul 10 j 09:27	0° Π	
opposition	-6827 Jul 13 j 02:58	28° Π 30'27	-1°36'37	max. Earth dist.	-6821 Jul 14 j 22:47	1° Π 00'28	6.36872 AU

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Attention, astronomical year style is used: The year -6821 in astronomical counting style is the year 6822 BCE in historical counting style.

conjunction	-6821 Jul 16 j 10:10	1°II20'03	1°08'19	min. Earth dist.	-6815 Jul 17 j 04:19	3°♂49'38	4.03886 AU
minimum elong	-6821 Jul 16 j 10:06	1°II20'01	1°08'41	opposition	-6815 Jul 18 j 05:40	3°♂41'05	-1°44'25
morning rise	-6821 Jul 29 j 03:44	4°II08'49			-6815 Aug 18 j 06:27	30°♂	
retrograde	-6821 Nov 26 j 19:39	21°II18'38		direct	-6815 Sep 14 j 07:03	28°♂45'57	
opposition	-6820 Jan 26 j 07:39	16°II27'01	1°59'27		-6815 Oct 11 j 10:07	0°♂	
min. Earth dist.	-6820 Jan 27 j 11:05	16°II18'15	4.35987 AU	evening set	-6814 Jan 17 j 01:54	17°♂55'46	
direct	-6820 Mar 28 j 22:39	11°II26'13					
evening set	-6820 Aug 02 j 20:23	29°II27'09		conjunction	-6814 Jan 30 j 14:08	21°♂05'49	-1°23'32
	-6820 Aug 05 j 07:26	0°♂		minimum elong	-6814 Jan 30 j 14:04	21°♂05'47	1°23'58
max. Earth dist.	-6820 Aug 13 j 19:14	1°♂53'56	6.33627 AU	max. Earth dist.	-6814 Feb 01 j 07:00	21°♂29'49	6.05149 AU
				morning rise	-6814 Feb 13 j 05:16	24°♂17'15	
conjunction	-6820 Aug 15 j 09:35	2°♂15'25	1°29'45		-6814 Mar 10 j 08:44	0°♂	
minimum elong	-6820 Aug 15 j 09:33	2°♂15'24	1°30'12	retrograde	-6814 Jun 23 j 23:12	14°♂11'02	
morning rise	-6820 Aug 27 j 20:36	5°♂02'44		opposition	-6814 Aug 22 j 13:58	9°♂05'51	-2°14'02
retrograde	-6820 Dec 28 j 04:09	22°♂35'47		min. Earth dist.	-6814 Aug 21 j 12:07	9°♂14'41	4.07973 AU
opposition	-6819 Feb 27 j 04:37	17°♂44'01	2°13'24	direct	-6814 Oct 19 j 21:03	4°♂07'21	
min. Earth dist.	-6819 Feb 28 j 06:24	17°♂35'50	4.30453 AU	evening set	-6813 Feb 23 j 00:25	23°♂12'40	
direct	-6819 Apr 30 j 08:34	12°♂46'09					
	-6819 Aug 29 j 23:38	0°♂		conjunction	-6813 Mar 08 j 17:16	26°♂21'44	-1°27'38
evening set	-6819 Sep 03 j 01:43	0°♂55'21		minimum elong	-6813 Mar 08 j 17:18	26°♂21'45	1°28'02
max. Earth dist.	-6819 Sep 14 j 05:55	3°♂128'01	6.26212 AU	max. Earth dist.	-6813 Mar 10 j 06:47	26°♂43'21	6.11607 AU
				morning rise	-6813 Mar 22 j 11:05	29°♂31'11	
conjunction	-6819 Sep 15 j 12:24	3°♂45'26	1°25'13		-6813 Mar 24 j 13:38	0°♂	
minimum elong	-6819 Sep 15 j 12:27	3°♂45'28	1°25'37		-6813 Jun 09 j 08:41	15°♂	
morning rise	-6819 Sep 27 j 22:40	6°♂135'29		retrograde	-6813 Jul 28 j 08:03	18°♂40'20	
	-6819 Nov 05 j 21:36	15°♂			-6813 Sep 15 j 07:42	15°♂	
retrograde	-6818 Jan 31 j 03:26	24°♂50'26		opposition	-6813 Sep 25 j 14:22	13°♂36'58	-1°55'04
opposition	-6818 Apr 02 j 08:40	19°♂56'41	1°47'21	min. Earth dist.	-6813 Sep 24 j 20:10	13°♂43'11	4.16130 AU
min. Earth dist.	-6818 Apr 03 j 02:22	19°♂51'02	4.21602 AU	direct	-6813 Nov 23 j 18:01	8°♂35'17	
direct	-6818 Jun 02 j 14:13	15°♂01'40			-6812 Jan 29 j 12:35	15°♂	
	-6818 Sep 19 j 22:52	0°♂		evening set	-6812 Mar 30 j 04:17	27°♂23'50	
evening set	-6818 Oct 05 j 00:15	3°♂25'57			-6812 Apr 10 j 17:46	0°♂	
conjunction	-6818 Oct 17 j 14:22	6°♂21'28	0°54'10	conjunction	-6812 Apr 12 j 21:55	0°♂29'25	-1°01'02
minimum elong	-6818 Oct 17 j 14:26	6°♂21'31	0°54'24	minimum elong	-6812 Apr 12 j 22:00	0°♂29'28	1°01'18
max. Earth dist.	-6818 Oct 17 j 00:02	6°♂13'08	6.16760 AU	max. Earth dist.	-6812 Apr 13 j 15:57	0°♂39'35	6.20823 AU
morning rise	-6818 Oct 30 j 06:00	9°♂17'56		morning rise	-6812 Apr 26 j 14:47	3°♂34'22	
retrograde	-6817 Mar 07 j 14:05	28°♂23'28		retrograde	-6812 Aug 29 j 01:00	21°♂49'32	
opposition	-6817 May 07 j 18:51	23°♂26'12	0°45'02	opposition	-6812 Oct 27 j 07:35	16°♂49'37	-0°58'45
min. Earth dist.	-6817 May 07 j 20:07	23°♂25'47	4.12189 AU	min. Earth dist.	-6812 Oct 27 j 02:51	16°♂51'13	4.25445 AU
direct	-6817 Jul 06 j 16:05	18°♂33'05		direct	-6812 Dec 26 j 17:21	11°♂45'53	
	-6817 Oct 06 j 05:01	0°♂			-6811 May 02 j 20:35	0°♂	
evening set	-6817 Nov 07 j 09:04	7°♂16'14		evening set	-6811 May 03 j 21:21	0°♂13'38	
conjunction	-6817 Nov 20 j 06:35	10°♂18'40	0°04'13	conjunction	-6811 May 17 j 11:05	3°♂14'00	-0°15'24
minimum elong	-6817 Nov 20 j 06:34	10°♂18'40	0°04'10	minimum elong	-6811 May 17 j 11:07	3°♂14'00	0°15'25
behind sun begin	-6817 Nov 19 j 22:35	10°♂13'58		behind sun begin	-6811 May 17 j 09:13	3°♂12'58	
behind sun end	-6817 Nov 20 j 14:34	10°♂23'21		behind sun end	-6811 May 17 j 13:00	3°♂15'03	
max. Earth dist.	-6817 Nov 20 j 15:52	10°♂24'08	6.08321 AU	max. Earth dist.	-6811 May 17 j 07:22	3°♂11'56	6.29621 AU
morning rise	-6817 Dec 03 j 06:51	13°♂22'43		morning rise	-6811 May 30 j 21:56	6°♂12'52	
desc. node	-6817 Dec 20 j 19:40	17°♂25'36		asc. node	-6811 Sep 16 j 15:29	23°♂27'58	
	-6816 Feb 25 j 21:28	0°♂		retrograde	-6811 Sep 29 j 14:38	23°♂44'25	
retrograde	-6816 Apr 12 j 07:08	3°♂12'21		opposition	-6811 Nov 28 j 04:12	18°♂48'24	0°13'29
	-6816 May 28 j 22:58	30°♂		min. Earth dist.	-6811 Nov 28 j 13:33	18°♂45'19	4.32977 AU
min. Earth dist.	-6816 Jun 11 j 10:32	28°♂15'44	4.05459 AU	direct	-6810 Jan 28 j 17:51	13°♂44'25	
opposition	-6816 Jun 12 j 00:37	28°♂11'04	-0°35'32		-6810 May 28 j 05:36	0°♂	
direct	-6816 Aug 09 j 18:29	23°♂17'58		evening set	-6810 Jun 06 j 01:31	1°♂55'08	
	-6816 Oct 15 j 08:47	0°♂		max. Earth dist.	-6810 Jun 18 j 05:33	4°♂35'50	6.35315 AU
evening set	-6816 Dec 11 j 12:18	12°♂18'33					
	-6816 Dec 22 j 21:16	15°♂		conjunction	-6810 Jun 19 j 06:40	4°♂49'41	0°33'52
conjunction	-6816 Dec 24 j 17:52	15°♂26'26	-0°48'28	minimum elong	-6810 Jun 19 j 06:37	4°♂49'39	0°34'05
minimum elong	-6816 Dec 24 j 17:48	15°♂26'23	0°48'45	morning rise	-6810 Jul 02 j 08:29	7°♂42'31	
max. Earth dist.	-6816 Dec 26 j 00:31	15°♂44'35	6.03881 AU		-6810 Aug 06 j 00:29	15°♂	
morning rise	-6815 Jan 07 j 02:55	18°♂36'09		retrograde	-6810 Oct 30 j 19:20	24°♂52'20	
	-6815 Feb 28 j 06:58	0°♂		opposition	-6810 Dec 29 j 19:53	19°♂59'20	1°20'04
retrograde	-6815 May 19 j 01:29	8°♂45'27		min. Earth dist.	-6810 Dec 30 j 17:31	19°♂52'19	4.36535 AU
					-6809 Feb 24 j 01:58	15°♂	

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Attention, astronomical year style is used: The year -6809 in astronomical counting style is the year 6810 BCE in historical counting style.

direct	-6809 Mar 02 j 05:19	14°♄56'33		evening set	-6804 Dec 16 j 14:30	17°♎25'39	
	-6809 Mar 08 j 09:08	15°♄					
	-6809 Jun 24 j 07:08	0°♈		conjunction	-6804 Dec 29 j 20:58	20°♎33'51	-0°54'54
evening set	-6809 Jul 08 j 00:06	2°♈58'35		minimum elong	-6804 Dec 29 j 20:54	20°♎33'49	0°55'13
max. Earth dist.	-6809 Jul 19 j 08:18	5°♈28'57	6.36362 AU	max. Earth dist.	-6804 Dec 31 j 05:16	20°♎52'59	6.03981 AU
				morning rise	-6803 Jan 12 j 06:58	23°♎43'54	
conjunction	-6809 Jul 20 j 19:44	5°♈48'36	1°12'40		-6803 Feb 08 j 17:44	0°♈	
minimum elong	-6809 Jul 20 j 19:40	5°♈48'34	1°13'03	retrograde	-6803 May 24 j 03:41	13°♈52'09	
morning rise	-6809 Aug 02 j 12:04	8°♈37'06		min. Earth dist.	-6803 Jul 22 j 04:51	8°♈56'08	4.04369 AU
retrograde	-6809 Dec 01 j 07:19	25°♈50'01		opposition	-6803 Jul 23 j 06:25	8°♈47'29	-1°51'23
opposition	-6808 Jan 30 j 21:59	20°♈58'29	2°03'38	direct	-6803 Sep 19 j 08:40	3°♈51'54	
min. Earth dist.	-6808 Feb 01 j 00:44	20°♈49'57	4.35148 AU	evening set	-6802 Jan 22 j 06:02	23°♈01'05	
direct	-6808 Apr 02 j 10:55	15°♈58'07					
	-6808 Jul 19 j 22:44	0°♄		conjunction	-6802 Feb 04 j 19:09	26°♈11'06	-1°26'07
evening set	-6808 Aug 07 j 06:56	4°♄00'48		minimum elong	-6802 Feb 04 j 19:06	26°♈11'05	1°26'34
max. Earth dist.	-6808 Aug 18 j 05:31	6°♄27'55	6.32518 AU	max. Earth dist.	-6802 Feb 06 j 13:29	26°♈35'53	6.05963 AU
				morning rise	-6802 Feb 18 j 10:43	29°♈22'20	
conjunction	-6808 Aug 19 j 19:21	6°♄49'11	1°30'43		-6802 Feb 21 j 03:44	0°♄	
minimum elong	-6808 Aug 19 j 19:20	6°♄49'11	1°31'10	retrograde	-6802 Jun 28 j 21:33	19°♄10'41	
morning rise	-6808 Sep 01 j 06:00	9°♄36'46		min. Earth dist.	-6802 Aug 26 j 09:11	14°♄14'12	4.09052 AU
retrograde	-6807 Jan 01 j 23:34	27°♄15'38		opposition	-6802 Aug 27 j 10:12	14°♄05'40	-2°14'12
opposition	-6807 Mar 04 j 00:02	22°♄23'42	2°12'06	direct	-6802 Oct 24 j 19:05	9°♄06'43	
min. Earth dist.	-6807 Mar 05 j 01:40	22°♄15'33	4.29152 AU	evening set	-6801 Feb 28 j 03:03	28°♄09'51	
direct	-6807 May 05 j 02:39	17°♄26'16			-6801 Mar 08 j 03:22	0°♄	
	-6807 Aug 13 j 02:23	0°♏					
evening set	-6807 Sep 07 j 14:13	5°♏37'44		conjunction	-6801 Mar 13 j 20:05	1°♄18'30	-1°25'34
max. Earth dist.	-6807 Sep 18 j 20:47	8°♏12'14	6.24838 AU	minimum elong	-6801 Mar 13 j 20:07	1°♄18'32	1°25'58
				max. Earth dist.	-6801 Mar 15 j 05:56	1°♄37'57	6.12846 AU
conjunction	-6807 Sep 20 j 01:08	8°♏28'28	1°22'16	morning rise	-6801 Mar 27 j 14:10	4°♄27'28	
minimum elong	-6807 Sep 20 j 01:11	8°♏28'30	1°22'39		-6801 May 16 j 02:35	15°♄	
morning rise	-6807 Oct 02 j 11:51	11°♏19'17		retrograde	-6801 Aug 01 j 23:11	23°♄29'13	
	-6807 Oct 18 j 21:14	15°♏		opposition	-6801 Sep 30 j 05:44	18°♄26'14	-1°48'59
retrograde	-6806 Feb 05 j 01:41	29°♏41'12		min. Earth dist.	-6801 Sep 29 j 13:15	18°♄31'51	4.17405 AU
opposition	-6806 Apr 07 j 08:46	24°♏46'58	1°40'20		-6801 Oct 28 j 04:26	15°♄	
min. Earth dist.	-6806 Apr 07 j 23:06	24°♏42'23	4.20260 AU	direct	-6801 Nov 28 j 13:07	13°♄24'08	
direct	-6806 Jun 07 j 09:10	19°♏52'19			-6801 Dec 30 j 07:46	15°♄	
	-6806 Sep 01 j 23:26	0°♐			-6800 Mar 25 j 08:23	0°♐	
evening set	-6806 Oct 09 j 16:36	8°♐18'45		evening set	-6800 Apr 04 j 02:43	2°♐10'03	
conjunction	-6806 Oct 22 j 07:35	11°♐15'09	0°47'51	conjunction	-6800 Apr 17 j 20:16	5°♐15'03	-0°55'26
minimum elong	-6806 Oct 22 j 07:39	11°♐15'11	0°48'02	minimum elong	-6800 Apr 17 j 20:20	5°♐15'05	0°55'40
max. Earth dist.	-6806 Oct 21 j 21:20	11°♐09'10	6.15571 AU	max. Earth dist.	-6800 Apr 18 j 11:57	5°♐23'53	6.22062 AU
morning rise	-6806 Nov 04 j 00:13	14°♐12'35		morning rise	-6800 May 01 j 12:27	8°♐19'14	
	-6805 Jan 23 j 15:29	0°♑		retrograde	-6800 Sep 02 j 12:52	26°♐27'47	
retrograde	-6805 Mar 12 j 19:25	3°♑24'25		opposition	-6800 Oct 31 j 19:30	21°♐28'28	-0°49'04
	-6805 Apr 30 j 16:55	30°♑		min. Earth dist.	-6800 Oct 31 j 17:00	21°♐29'19	4.26527 AU
opposition	-6805 May 12 j 22:23	28°♑26'33	0°34'00	direct	-6800 Dec 31 j 09:02	16°♑24'39	
min. Earth dist.	-6805 May 12 j 21:54	28°♑26'42	4.11225 AU		-6799 Apr 16 j 04:20	0°♑	
direct	-6805 Jul 11 j 16:39	23°♑33'29		evening set	-6799 May 08 j 15:05	4°♑50'14	
	-6805 Sep 15 j 14:09	0°♑					
desc. node	-6805 Oct 29 j 07:30	9°♑03'56		conjunction	-6799 May 22 j 03:48	7°♑49'53	-0°08'22
evening set	-6805 Nov 12 j 06:26	12°♑18'16		minimum elong	-6799 May 22 j 03:49	7°♑49'53	0°08'22
				behind sun begin	-6799 May 21 j 20:36	7°♑45'54	
conjunction	-6805 Nov 25 j 05:01	15°♑21'27	-0°03'43	behind sun end	-6799 May 22 j 11:01	7°♑53'51	
minimum elong	-6805 Nov 25 j 04:59	15°♑21'27	0°03'47	max. Earth dist.	-6799 May 21 j 19:34	7°♑45'19	6.30460 AU
behind sun begin	-6805 Nov 24 j 20:57	15°♑16'43		morning rise	-6799 Jun 04 j 13:43	10°♑48'00	
behind sun end	-6805 Nov 25 j 13:02	15°♑26'11		asc. node	-6799 Jul 27 j 08:59	21°♑31'29	
max. Earth dist.	-6805 Nov 25 j 17:37	15°♑28'53	6.07660 AU	retrograde	-6799 Oct 04 j 00:26	28°♑15'51	
morning rise	-6805 Dec 08 j 06:36	18°♑26'21		opposition	-6799 Dec 02 j 15:08	23°♑20'19	0°23'39
	-6804 Jan 30 j 13:21	0°♒		min. Earth dist.	-6799 Dec 03 j 02:40	23°♑16'31	4.33528 AU
retrograde	-6804 Apr 17 j 11:16	8°♒19'21		direct	-6798 Feb 02 j 08:06	18°♑16'25	
min. Earth dist.	-6804 Jun 16 j 11:29	3°♒23'04	4.05183 AU		-6798 May 11 j 04:51	0°♒	
opposition	-6804 Jun 17 j 04:10	3°♒17'32	-0°46'44	evening set	-6798 Jun 10 j 15:04	6°♒26'12	
	-6804 Jul 14 j 12:21	30°♒					
direct	-6804 Aug 14 j 18:09	28°♒24'16		conjunction	-6798 Jun 23 j 19:02	9°♒20'08	0°40'15
	-6804 Sep 14 j 20:13	0°♒		minimum elong	-6798 Jun 23 j 18:59	9°♒20'07	0°40'30
	-6804 Dec 06 j 05:02	15°♒		max. Earth dist.	-6798 Jun 22 j 17:13	9°♒05'53	6.35539 AU

Attention, astronomical year style is used: The year -6798 in astronomical counting style is the year 6799 BCE in historical counting style.

morning rise	-6798 Jul 06 j 19:22	12°♄12'18		max. Earth dist.	-6793 Nov 30 j 16:29	20°♄27'54	6.07178 AU
	-6798 Jul 19 j 16:19	15°♄		morning rise	-6793 Dec 13 j 04:28	23°♄24'46	
retrograde	-6798 Nov 04 j 05:07	29°♄21'53			-6792 Jan 11 j 03:09	0°♄	
opposition	-6797 Jan 03 j 08:00	24°♄29'15	1°27'59	retrograde	-6792 Apr 22 j 13:02	13°♄20'35	
min. Earth dist.	-6797 Jan 04 j 06:14	24°♄22'05	4.36445 AU	min. Earth dist.	-6792 Jun 21 j 10:47	8°♄24'13	4.04981 AU
direct	-6797 Mar 06 j 18:14	19°♄26'52		opposition	-6792 Jun 22 j 04:43	8°♄18'14	-0°57'21
	-6797 Jun 06 j 21:54	0°♄		direct	-6792 Aug 19 j 16:50	3°♄24'43	
evening set	-6797 Jul 12 j 11:29	7°♄29'10			-6792 Nov 18 j 18:19	15°♄	
max. Earth dist.	-6797 Jul 23 j 16:31	9°♄58'07	6.35953 AU	evening set	-6792 Dec 21 j 14:21	22°♄27'02	
conjunction	-6797 Jul 25 j 05:45	10°♄18'48	1°16'40	conjunction	-6791 Jan 03 j 21:56	25°♄35'38	-1°00'47
minimum elong	-6797 Jul 25 j 05:42	10°♄18'46	1°17'04	minimum elong	-6791 Jan 03 j 21:51	25°♄35'35	1°01'07
morning rise	-6797 Aug 06 j 21:12	13°♄07'03		max. Earth dist.	-6791 Jan 05 j 08:57	25°♄56'20	6.04070 AU
	-6797 Nov 20 j 08:25	0°♄		morning rise	-6791 Jan 17 j 08:45	28°♄45'58	
retrograde	-6797 Dec 05 j 21:53	0°♄22'49			-6791 Jan 22 j 15:30	0°♄	
	-6797 Dec 21 j 10:50	30°♄		retrograde	-6791 May 29 j 04:49	18°♄53'08	
opposition	-6796 Feb 04 j 13:20	25°♄31'23	2°07'10	min. Earth dist.	-6791 Jul 27 j 02:59	13°♄56'56	4.04762 AU
min. Earth dist.	-6796 Feb 05 j 16:42	25°♄22'39	4.34478 AU	opposition	-6791 Jul 28 j 04:25	13°♄48'19	-1°57'22
direct	-6796 Apr 07 j 02:29	20°♄31'27		direct	-6791 Sep 24 j 06:30	8°♄52'19	
	-6796 Jul 02 j 01:23	0°♄		evening set	-6790 Jan 27 j 08:19	28°♄01'31	
evening set	-6796 Aug 11 j 17:33	8°♄35'09			-6790 Feb 04 j 19:36	0°♄	
max. Earth dist.	-6796 Aug 22 j 17:53	11°♄03'34	6.31652 AU				
conjunction	-6796 Aug 24 j 05:33	11°♄23'40	1°31'10	conjunction	-6790 Feb 09 j 21:58	1°♄11'30	-1°28'01
minimum elong	-6796 Aug 24 j 05:33	11°♄23'40	1°31'37	minimum elong	-6790 Feb 09 j 21:56	1°♄11'29	1°28'28
morning rise	-6796 Sep 05 j 15:43	14°♄11'26		max. Earth dist.	-6790 Feb 11 j 14:12	1°♄35'00	6.06595 AU
	-6796 Dec 02 j 00:21	0°♄		morning rise	-6790 Feb 23 j 14:15	4°♄22'40	
retrograde	-6795 Jan 06 j 16:16	1°♄55'17		retrograde	-6790 Jul 03 j 16:08	24°♄06'21	
	-6795 Feb 11 j 18:28	30°♄		min. Earth dist.	-6790 Aug 31 j 03:48	19°♄09'47	4.09870 AU
opposition	-6795 Mar 08 j 19:21	27°♄03'08	2°10'00	opposition	-6790 Sep 01 j 04:09	19°♄01'27	-2°13'26
min. Earth dist.	-6795 Mar 09 j 18:44	26°♄55'43	4.28160 AU	direct	-6790 Oct 29 j 14:49	14°♄02'00	
direct	-6795 May 09 j 18:28	22°♄06'13			-6789 Feb 19 j 13:44	0°♄	
	-6795 Jul 25 j 04:45	0°♄		evening set	-6789 Mar 05 j 04:19	3°♄04'09	
evening set	-6795 Sep 12 j 02:06	10°♄18'51		conjunction	-6789 Mar 18 j 21:52	6°♄12'35	-1°22'55
max. Earth dist.	-6795 Sep 23 j 10:59	12°♄55'05	6.23809 AU	minimum elong	-6789 Mar 18 j 21:55	6°♄12'37	1°23'19
conjunction	-6795 Sep 24 j 13:08	13°♄10'06	1°18'50	max. Earth dist.	-6789 Mar 20 j 06:12	6°♄31'07	6.13806 AU
minimum elong	-6795 Sep 24 j 13:11	13°♄10'08	1°19'12	morning rise	-6789 Apr 01 j 15:53	9°♄21'07	
	-6795 Oct 02 j 12:39	15°♄			-6789 Apr 27 j 03:28	15°♄	
morning rise	-6795 Oct 07 j 00:23	16°♄01'35		retrograde	-6789 Aug 06 j 15:10	28°♄16'29	
	-6795 Dec 16 j 03:53	0°♄		opposition	-6789 Oct 04 j 20:12	23°♄13'58	-1°42'16
retrograde	-6794 Feb 10 j 01:19	4°♄29'28		min. Earth dist.	-6789 Oct 04 j 06:05	23°♄18'46	4.18401 AU
	-6794 Apr 09 j 00:52	30°♄		direct	-6789 Dec 03 j 07:30	18°♄11'34	
opposition	-6794 Apr 12 j 07:54	29°♄34'46	1°32'42		-6788 Mar 07 j 22:00	0°♄	
min. Earth dist.	-6794 Apr 12 j 20:46	29°♄30'39	4.19236 AU	evening set	-6788 Apr 09 j 00:39	6°♄55'43	
direct	-6794 Jun 12 j 05:36	24°♄40'25		conjunction	-6788 Apr 22 j 17:53	10°♄00'13	-0°49'30
	-6794 Aug 11 j 14:31	0°♄		minimum elong	-6788 Apr 22 j 17:57	10°♄00'16	0°49'41
evening set	-6794 Oct 14 j 07:35	13°♄08'06		max. Earth dist.	-6788 Apr 23 j 06:01	10°♄07'02	6.23031 AU
conjunction	-6794 Oct 26 j 23:30	16°♄05'17	0°41'19	morning rise	-6788 May 06 j 09:39	13°♄03'49	
minimum elong	-6794 Oct 26 j 23:33	16°♄05'19	0°41'27		-6788 Aug 11 j 18:42	0°♄	
max. Earth dist.	-6794 Oct 26 j 16:36	16°♄01'15	6.14662 AU	retrograde	-6788 Sep 06 j 23:36	1°♄06'44	
morning rise	-6794 Nov 08 j 17:12	19°♄03'37			-6788 Oct 03 j 01:43	30°♄	
	-6794 Dec 29 j 11:48	0°♄		opposition	-6788 Nov 05 j 07:38	26°♄07'54	-0°39'05
retrograde	-6793 Mar 17 j 20:32	8°♄20'37		min. Earth dist.	-6788 Nov 05 j 06:32	26°♄08'16	4.27396 AU
opposition	-6793 May 17 j 23:14	3°♄22'12	0°22'56	direct	-6787 Jan 05 j 00:35	21°♄03'57	
min. Earth dist.	-6793 May 17 j 19:56	3°♄23'17	4.10502 AU		-6787 Mar 28 j 15:20	0°♄	
	-6793 Jun 15 j 15:43	30°♄		evening set	-6787 May 13 j 08:47	9°♄27'50	
direct	-6793 Jul 16 j 12:38	28°♄29'16		conjunction	-6787 May 26 j 20:31	12°♄26'46	-0°01'15
	-6793 Aug 16 j 03:37	0°♄		minimum elong	-6787 May 26 j 20:32	12°♄26'47	0°01'11
desc. node	-6793 Sep 08 j 00:55	2°♄53'11		behind sun begin	-6787 May 26 j 12:18	12°♄22'15	
evening set	-6793 Nov 17 j 02:06	17°♄15'18		behind sun end	-6787 May 27 j 04:46	12°♄31'19	
conjunction	-6793 Nov 30 j 01:40	20°♄19'09	-0°11'18	max. Earth dist.	-6787 May 26 j 10:22	12°♄21'10	6.31189 AU
minimum elong	-6793 Nov 30 j 01:38	20°♄19'08	0°11'24	asc. node	-6787 Jun 05 j 11:42	14°♄34'47	
behind sun begin	-6793 Nov 29 j 19:42	20°♄15'38		morning rise	-6787 Jun 09 j 05:13	15°♄24'07	
behind sun end	-6793 Nov 30 j 07:35	20°♄22'38			-6787 Aug 26 j 17:24	0°♄	
				retrograde	-6787 Oct 08 j 10:47	2°♄48'32	

Attention, astronomical year style is used: The year -6787 in astronomical counting style is the year 6788 BCE in historical counting style.

	-6787 Nov 20 j 11:38	30° κ Υ		opposition	-6781 May 23 j 00:30	8° $\underline{\Delta}$ 18'25	0°11'38
opposition	-6787 Dec 07 j 02:36	27° Υ 53'28	0°33'42	min. Earth dist.	-6781 May 22 j 19:12	8° $\underline{\Delta}$ 20'08	4.09395 AU
min. Earth dist.	-6787 Dec 07 j 15:50	27° Υ 49'07	4.34067 AU	desc. node	-6781 Jul 18 j 21:48	3° $\underline{\Delta}$ 26'06	
direct	-6786 Feb 06 j 23:15	22° Υ 49'42		direct	-6781 Jul 21 j 09:58	3° $\underline{\Delta}$ 25'28	
	-6786 Apr 21 j 16:12	0° \mathcal{B}		evening set	-6781 Nov 21 j 23:01	22° $\underline{\Delta}$ 14'29	
evening set	-6786 Jun 15 j 04:53	10° \mathcal{B} 58'11					
max. Earth dist.	-6786 Jun 27 j 03:03	13° \mathcal{B} 35'45	6.35828 AU	conjunction	-6781 Dec 04 j 23:53	25° $\underline{\Delta}$ 19'14	-0°18'53
				minimum elong	-6781 Dec 04 j 23:51	25° $\underline{\Delta}$ 19'13	0°19'03
conjunction	-6786 Jun 28 j 07:24	13° \mathcal{B} 51'24	0°46'25	max. Earth dist.	-6781 Dec 05 j 18:36	25° $\underline{\Delta}$ 30'19	6.06290 AU
minimum elong	-6786 Jun 28 j 07:20	13° \mathcal{B} 51'22	0°46'41	morning rise	-6781 Dec 18 j 03:50	28° $\underline{\Delta}$ 25'47	
	-6786 Jul 03 j 11:37	15° \mathcal{B}			-6781 Dec 24 j 21:05	0° \mathcal{M}	
morning rise	-6786 Jul 11 j 06:29	16° \mathcal{B} 42'54			-6780 Mar 10 j 19:24	15° \mathcal{M}	
	-6786 Sep 18 j 17:23	0° Π		retrograde	-6780 Apr 27 j 18:13	18° \mathcal{M} 25'49	
retrograde	-6786 Nov 08 j 15:32	3° Π 51'51			-6780 Jun 14 j 22:52	15° \mathcal{R} \mathcal{M}	
	-6786 Dec 30 j 23:00	30° \mathcal{R} \mathcal{B}		min. Earth dist.	-6780 Jun 26 j 11:59	13° \mathcal{M} 29'24	4.04419 AU
opposition	-6785 Jan 07 j 20:28	28° \mathcal{B} 59'24	1°35'22	opposition	-6780 Jun 27 j 06:57	13° \mathcal{M} 23'05	-1°07'44
min. Earth dist.	-6785 Jan 08 j 19:33	28° \mathcal{B} 51'57	4.36486 AU	direct	-6780 Aug 24 j 16:37	8° \mathcal{M} 29'21	
direct	-6785 Mar 11 j 08:14	23° \mathcal{B} 57'13			-6780 Oct 29 j 02:33	15° \mathcal{M}	
	-6785 May 17 j 13:31	0° Π		evening set	-6780 Dec 26 j 17:29	27° \mathcal{M} 34'13	
evening set	-6785 Jul 16 j 22:09	11° Π 58'54			-6779 Jan 06 j 00:39	0° \mathcal{J}	
max. Earth dist.	-6785 Jul 28 j 03:14	14° Π 28'02	6.35716 AU				
				conjunction	-6779 Jan 09 j 01:54	0° \mathcal{J} 43'18	-1°06'20
conjunction	-6785 Jul 29 j 15:23	14° Π 48'08	1°20'13	minimum elong	-6779 Jan 09 j 01:49	0° \mathcal{J} 43'15	1°06'42
minimum elong	-6785 Jul 29 j 15:19	14° Π 48'06	1°20'38	max. Earth dist.	-6779 Jan 10 j 13:04	1° \mathcal{J} 04'05	6.03850 AU
morning rise	-6785 Aug 11 j 05:37	17° Π 36'00		morning rise	-6779 Jan 22 j 13:50	3° \mathcal{J} 54'09	
	-6785 Oct 13 j 05:02	0° \mathcal{E}		retrograde	-6779 Jun 03 j 06:38	24° \mathcal{J} 01'07	
retrograde	-6785 Dec 10 j 10:10	4° \mathcal{E} 53'57		min. Earth dist.	-6779 Aug 01 j 02:28	19° \mathcal{J} 05'08	4.04931 AU
opposition	-6784 Feb 09 j 04:16	0° \mathcal{E} 02'30	2°09'55	opposition	-6779 Aug 02 j 04:53	18° \mathcal{J} 56'09	-2°02'38
	-6784 Feb 09 j 12:06	30° \mathcal{R} Π		direct	-6779 Sep 29 j 06:26	13° \mathcal{J} 59'42	
min. Earth dist.	-6784 Feb 10 j 07:13	29° Π 53'55	4.33970 AU		-6778 Jan 18 j 19:35	0° \mathcal{Z}	
direct	-6784 Apr 11 j 16:36	25° Π 02'57		evening set	-6778 Feb 01 j 14:19	3° \mathcal{Z} 09'53	
	-6784 Jun 10 j 13:34	0° \mathcal{E}					
evening set	-6784 Aug 16 j 03:07	13° \mathcal{E} 06'51		conjunction	-6778 Feb 15 j 04:52	6° \mathcal{Z} 19'59	-1°29'18
max. Earth dist.	-6784 Aug 27 j 02:17	15° \mathcal{E} 34'59	6.30875 AU	minimum elong	-6778 Feb 15 j 04:52	6° \mathcal{Z} 19'59	1°29'44
				max. Earth dist.	-6778 Feb 16 j 21:58	6° \mathcal{Z} 43'57	6.07142 AU
conjunction	-6784 Aug 28 j 14:26	15° \mathcal{E} 55'24	1°31'05	morning rise	-6778 Feb 28 j 21:32	9° \mathcal{Z} 31'05	
minimum elong	-6784 Aug 28 j 14:26	15° \mathcal{E} 55'24	1°31'31	retrograde	-6778 Jul 08 j 16:09	29° \mathcal{Z} 10'04	
morning rise	-6784 Sep 10 j 00:29	18° \mathcal{E} 43'24		min. Earth dist.	-6778 Sep 05 j 02:43	24° \mathcal{Z} 13'15	4.10743 AU
	-6784 Nov 03 j 23:56	0° Ω		opposition	-6778 Sep 06 j 01:33	24° \mathcal{Z} 05'27	-2°11'40
retrograde	-6783 Jan 11 j 10:13	6° Ω 32'04		direct	-6778 Nov 03 j 15:01	19° \mathcal{Z} 05'38	
opposition	-6783 Mar 13 j 13:51	1° Ω 39'37	2°07'07		-6777 Feb 01 j 05:24	0° \approx	
min. Earth dist.	-6783 Mar 14 j 12:36	1° Ω 32'23	4.27141 AU	evening set	-6777 Mar 10 j 09:08	8° \approx 06'24	
	-6783 Mar 26 j 21:45	30° \mathcal{R} \mathcal{E}					
direct	-6783 May 14 j 10:42	26° \mathcal{E} 42'59		conjunction	-6777 Mar 24 j 02:55	11° \approx 14'29	-1°19'37
	-6783 Jun 30 j 20:28	0° Ω		minimum elong	-6777 Mar 24 j 02:59	11° \approx 14'32	1°20'00
evening set	-6783 Sep 16 j 12:57	14° Ω 57'00		max. Earth dist.	-6777 Mar 25 j 09:39	11° \approx 32'03	6.14959 AU
	-6783 Sep 16 j 18:12	15° Ω		morning rise	-6777 Apr 06 j 21:00	14° \approx 22'32	
max. Earth dist.	-6783 Sep 28 j 01:08	17° Ω 35'27	6.22640 AU		-6777 Apr 09 j 15:15	15° \approx	
					-6777 Jun 27 j 01:44	0° \mathcal{H}	
conjunction	-6783 Sep 29 j 00:30	17° Ω 48'54	1°14'56	retrograde	-6777 Aug 11 j 07:22	3° \mathcal{H} 10'31	
minimum elong	-6783 Sep 29 j 00:33	17° Ω 48'56	1°15'17		-6777 Sep 25 j 13:06	30° \mathcal{R} \approx	
morning rise	-6783 Oct 11 j 12:14	20° Ω 41'08		opposition	-6777 Oct 09 j 13:25	28° \approx 08'31	-1°34'41
	-6783 Nov 23 j 17:02	0° \mathcal{M}		min. Earth dist.	-6777 Oct 08 j 23:41	28° \approx 13'11	4.19748 AU
retrograde	-6782 Feb 14 j 23:07	9° \mathcal{M} 15'27		direct	-6777 Dec 08 j 03:56	23° \approx 05'54	
opposition	-6782 Apr 17 j 06:03	4° \mathcal{M} 20'18	1°24'31		-6776 Feb 16 j 08:33	0° \mathcal{H}	
min. Earth dist.	-6782 Apr 17 j 16:49	4° \mathcal{M} 16'51	4.17989 AU	evening set	-6776 Apr 14 j 00:57	11° \mathcal{H} 46'51	
	-6782 May 29 j 01:36	30° \mathcal{R} Ω					
direct	-6782 Jun 16 j 22:45	29° Ω 26'14		conjunction	-6776 Apr 27 j 17:38	14° \mathcal{H} 50'32	-0°43'10
	-6782 Jul 05 j 18:57	0° \mathcal{M}		minimum elong	-6776 Apr 27 j 17:42	14° \mathcal{H} 50'34	0°43'20
evening set	-6782 Oct 18 j 22:40	17° \mathcal{M} 56'18		max. Earth dist.	-6776 Apr 28 j 03:14	14° \mathcal{H} 55'55	6.24518 AU
				morning rise	-6776 May 11 j 08:37	17° \mathcal{H} 53'11	
conjunction	-6782 Oct 31 j 15:24	20° \mathcal{M} 54'25	0°34'30		-6776 Jul 10 j 12:17	0° Υ	
minimum elong	-6782 Oct 31 j 15:27	20° \mathcal{M} 54'26	0°34'37	retrograde	-6776 Sep 11 j 12:50	5° Υ 48'37	
max. Earth dist.	-6782 Oct 31 j 10:14	20° \mathcal{M} 51'23	6.13442 AU	opposition	-6776 Nov 09 j 21:09	0° Υ 50'23	-0°28'49
morning rise	-6782 Nov 13 j 10:24	23° \mathcal{M} 53'49		min. Earth dist.	-6776 Nov 09 j 22:20	0° Υ 49'59	4.28890 AU
	-6782 Dec 10 j 10:02	0° $\underline{\Delta}$			-6776 Nov 16 j 04:42	30° \mathcal{R} \mathcal{H}	
retrograde	-6781 Mar 22 j 22:51	13° $\underline{\Delta}$ 17'27		direct	-6775 Jan 09 j 19:59	25° \mathcal{H} 46'25	

Attention, astronomical year style is used: The year -6775 in astronomical counting style is the year 6776 BCE in historical counting style.

	-6775 Mar 05 j 07:40	0°♂		evening set	-6770 Oct 23 j 11:06	22°♏38'24	
asc. node	-6775 Apr 14 j 14:16	7°♂01'28					
evening set	-6775 May 18 j 02:35	14°♂06'13		conjunction	-6770 Nov 05 j 05:06	25°♏37'44	0°27'40
				minimum elong	-6770 Nov 05 j 05:08	25°♏37'45	0°27'45
conjunction	-6775 May 31 j 13:10	17°♂04'06	0°05'55	max. Earth dist.	-6770 Nov 05 j 03:26	25°♏36'45	6.11800 AU
minimum elong	-6775 May 31 j 13:09	17°♂04'06	0°06'01	morning rise	-6770 Nov 18 j 01:13	28°♏38'23	
behind sun begin	-6775 May 31 j 05:22	16°♂59'49			-6770 Nov 23 j 21:43	0°♎	
behind sun end	-6775 May 31 j 20:57	17°♂08'23		retrograde	-6769 Mar 28 j 00:30	18°♎10'10	
max. Earth dist.	-6775 May 31 j 00:55	16°♂57'21	6.32585 AU	opposition	-6769 May 27 j 23:31	13°♎10'40	0°00'33
morning rise	-6775 Jun 13 j 20:30	20°♂00'19		min. Earth dist.	-6769 May 27 j 16:55	13°♎12'49	4.07854 AU
	-6775 Aug 01 j 18:06	0°♂		desc. node	-6769 May 30 j 14:43	12°♎50'00	
retrograde	-6775 Oct 12 j 18:23	7°♂19'17		direct	-6769 Jul 26 j 04:39	8°♎17'45	
opposition	-6775 Dec 11 j 13:25	2°♂24'38	0°43'22	evening set	-6769 Nov 26 j 19:35	27°♎11'40	
min. Earth dist.	-6775 Dec 12 j 03:27	2°♂20'03	4.35277 AU		-6769 Dec 08 j 16:00	0°♏	
	-6775 Dec 30 j 19:19	30°♏♂					
direct	-6774 Feb 11 j 13:06	27°♂21'01		conjunction	-6769 Dec 09 j 21:32	0°♏17'31	-0°26'12
	-6774 Mar 26 j 14:01	0°♂		minimum elong	-6769 Dec 09 j 21:30	0°♏17'29	0°26'24
	-6774 Jun 17 j 16:58	15°♂		max. Earth dist.	-6769 Dec 10 j 17:33	0°♏29'23	6.04989 AU
evening set	-6774 Jun 19 j 16:20	15°♂25'52		morning rise	-6769 Dec 23 j 03:00	3°♏25'15	
max. Earth dist.	-6774 Jul 01 j 11:50	18°♂01'47	6.36750 AU		-6768 Feb 14 j 05:43	15°♏	
				retrograde	-6768 May 02 j 21:42	23°♏30'51	
conjunction	-6774 Jul 02 j 17:20	18°♂18'04	0°52'08	min. Earth dist.	-6768 Jul 01 j 10:55	18°♏34'50	4.03513 AU
minimum elong	-6774 Jul 02 j 17:16	18°♂18'02	0°52'26	opposition	-6768 Jul 02 j 08:22	18°♏27'40	-1°17'27
morning rise	-6774 Jul 15 j 14:54	21°♂08'35			-6768 Jul 31 j 04:23	15°♏♏	
	-6774 Aug 27 j 11:15	0°♏		direct	-6768 Aug 29 j 14:32	13°♏33'37	
retrograde	-6774 Nov 12 j 23:15	8°♏15'15			-6768 Sep 27 j 23:06	15°♏	
opposition	-6773 Jan 12 j 06:26	3°♏23'05	1°41'54		-6768 Dec 20 j 06:31	0°♏♏	
min. Earth dist.	-6773 Jan 13 j 07:01	3°♏15'11	4.37057 AU	evening set	-6768 Dec 31 j 21:05	2°♏42'20	
	-6773 Feb 10 j 06:33	30°♏♂					
direct	-6773 Mar 15 j 20:42	28°♂21'13		conjunction	-6767 Jan 14 j 06:45	5°♏52'06	-1°11'18
	-6773 Apr 18 j 13:04	0°♏		minimum elong	-6767 Jan 14 j 06:41	5°♏52'03	1°11'42
evening set	-6773 Jul 21 j 05:06	16°♏20'36		max. Earth dist.	-6767 Jan 15 j 21:12	6°♏14'50	6.03420 AU
max. Earth dist.	-6773 Aug 01 j 06:42	18°♏47'53	6.35860 AU	morning rise	-6767 Jan 27 j 19:31	9°♏03'30	
				retrograde	-6767 Jun 08 j 10:59	29°♏10'35	
conjunction	-6773 Aug 02 j 21:06	19°♏09'15	1°23'08	min. Earth dist.	-6767 Aug 06 j 03:37	24°♏14'22	4.05031 AU
minimum elong	-6773 Aug 02 j 21:03	19°♏09'13	1°23'34	opposition	-6767 Aug 07 j 05:52	24°♏05'25	-2°06'53
morning rise	-6773 Aug 15 j 10:28	21°♏56'39		direct	-6767 Oct 04 j 07:59	19°♏08'31	
	-6773 Sep 22 j 16:46	0°♏			-6767 Dec 31 j 10:07	0°♏	
retrograde	-6773 Dec 14 j 19:11	9°♏15'56		evening set	-6766 Feb 06 j 21:10	8°♏19'28	
opposition	-6772 Feb 13 j 15:14	4°♏24'26	2°11'45				
min. Earth dist.	-6772 Feb 14 j 18:31	4°♏15'46	4.33681 AU	conjunction	-6766 Feb 20 j 12:23	11°♏29'36	-1°29'50
	-6772 Mar 27 j 11:10	30°♏♏		minimum elong	-6766 Feb 20 j 12:23	11°♏29'35	1°30'17
direct	-6772 Apr 16 j 02:37	29°♏25'11		max. Earth dist.	-6766 Feb 22 j 05:49	11°♏53'42	6.07741 AU
	-6772 May 05 j 19:13	0°♏		morning rise	-6766 Mar 06 j 05:37	14°♏40'36	
evening set	-6772 Aug 20 j 08:17	17°♏28'52			-6766 May 21 j 17:10	0°♏	
max. Earth dist.	-6772 Aug 31 j 08:31	19°♏57'49	6.30175 AU	retrograde	-6766 Jul 13 j 13:18	4°♏13'51	
					-6766 Sep 04 j 18:01	30°♏♏	
conjunction	-6772 Sep 01 j 19:22	20°♏17'32	1°30'27	opposition	-6766 Sep 10 j 22:39	29°♏09'23	-2°08'51
minimum elong	-6772 Sep 01 j 19:23	20°♏17'33	1°30'53	min. Earth dist.	-6766 Sep 09 j 23:21	29°♏17'21	4.11768 AU
morning rise	-6772 Sep 14 j 05:05	23°♏05'43		direct	-6766 Nov 08 j 14:11	24°♏09'03	
	-6772 Oct 16 j 01:43	0°♏			-6765 Jan 10 j 11:09	0°♏	
retrograde	-6771 Jan 15 j 23:29	10°♏59'10		evening set	-6765 Mar 15 j 13:51	13°♏07'29	
opposition	-6771 Mar 18 j 03:57	6°♏06'30	2°03'34		-6765 Mar 23 j 20:00	15°♏	
min. Earth dist.	-6771 Mar 19 j 02:27	5°♏59'22	4.26056 AU				
direct	-6771 May 18 j 21:39	1°♏10'14		conjunction	-6765 Mar 29 j 07:43	16°♏15'02	-1°15'43
	-6771 Sep 01 j 01:33	15°♏		minimum elong	-6765 Mar 29 j 07:47	16°♏15'05	1°16'03
evening set	-6771 Sep 20 j 19:58	19°♏26'11		max. Earth dist.	-6765 Mar 30 j 11:52	16°♏31'04	6.16301 AU
max. Earth dist.	-6771 Oct 02 j 08:17	22°♏05'13	6.21261 AU	morning rise	-6765 Apr 12 j 01:40	19°♏22'24	
					-6765 Jun 01 j 13:01	0°♏	
conjunction	-6771 Oct 03 j 07:50	22°♏18'49	1°10'44	retrograde	-6765 Aug 16 j 00:31	8°♏02'07	
minimum elong	-6771 Oct 03 j 07:54	22°♏18'51	1°11'03	opposition	-6765 Oct 14 j 05:57	3°♏00'30	-1°26'28
morning rise	-6771 Oct 15 j 20:28	25°♏11'59		min. Earth dist.	-6765 Oct 13 j 18:43	3°♏04'18	4.21215 AU
	-6771 Nov 06 j 05:06	0°♏			-6765 Nov 07 j 03:05	30°♏♏	
retrograde	-6770 Feb 19 j 18:37	13°♏53'53		direct	-6765 Dec 13 j 02:23	27°♏57'30	
opposition	-6770 Apr 22 j 00:42	8°♏58'14	1°16'04		-6764 Jan 18 j 11:38	0°♏	
min. Earth dist.	-6770 Apr 22 j 09:56	8°♏55'16	4.16392 AU	evening set	-6764 Apr 18 j 23:51	16°♏34'38	
direct	-6770 Jun 21 j 12:48	4°♏04'20					

Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 13

Attention, astronomical year style is used: The year -6764 in astronomical counting style is the year 6765 BCE in historical counting style.

conjunction	-6764 May 02 j 16:04	19° H 37'30	-0°36'33	retrograde	-6758 Feb 24 j 21:15	18° M 48'31	
minimum elong	-6764 May 02 j 16:07	19° H 37'32	0°36'40	opposition	-6758 Apr 27 j 02:09	13° M 52'29	1°06'34
max. Earth dist.	-6764 May 02 j 23:41	19° H 41'46	6.25973 AU	min. Earth dist.	-6758 Apr 27 j 09:47	13° M 50'01	4.14926 AU
morning rise	-6764 May 16 j 06:06	22° H 39'10		direct	-6758 Jun 26 j 10:00	8° M 58'56	
	-6764 Jun 19 j 17:52	0° Y		evening set	-6758 Oct 28 j 06:04	27° M 36'19	
retrograde	-6764 Sep 15 j 23:21	10° Y 27'30			-6758 Nov 07 j 10:44	0° L	
opposition	-6764 Nov 14 j 09:54	5° Y 29'47	-0°18'24				
min. Earth dist.	-6764 Nov 14 j 12:07	5° Y 29'02	4.30190 AU	conjunction	-6758 Nov 10 j 01:00	0° L 36'40	0°20'15
direct	-6763 Jan 14 j 12:00	0° Y 25'44		minimum elong	-6758 Nov 10 j 01:02	0° L 36'41	0°20'18
asc. node	-6763 Feb 21 j 09:14	2° Y 33'02		max. Earth dist.	-6758 Nov 10 j 01:39	0° L 37'03	6.10536 AU
evening set	-6763 May 22 j 19:30	18° Y 42'16		morning rise	-6758 Nov 22 j 22:37	3° L 38'32	
				retrograde	-6757 Apr 02 j 05:23	23° L 16'45	
conjunction	-6763 Jun 05 j 04:42	21° Y 39'12	0°12'58	desc. node	-6757 Apr 09 j 01:31	23° L 12'19	
minimum elong	-6763 Jun 05 j 04:40	21° Y 39'11	0°13'05	opposition	-6757 Jun 02 j 03:54	18° L 16'42	-0°11'09
behind sun begin	-6763 Jun 04 j 23:53	21° Y 36'33		min. Earth dist.	-6757 Jun 01 j 17:44	18° L 20'02	4.06939 AU
behind sun end	-6763 Jun 05 j 09:28	21° Y 41'49		direct	-6757 Jul 31 j 04:27	13° L 23'50	
max. Earth dist.	-6763 Jun 04 j 12:44	21° Y 30'23	6.33617 AU		-6757 Nov 21 j 21:01	0° M	
morning rise	-6763 Jun 18 j 10:45	24° Y 34'27		evening set	-6757 Dec 01 j 20:36	2° M 20'10	
	-6763 Jul 13 j 20:01	0° B					
retrograde	-6763 Oct 17 j 05:05	11° B 49'38		conjunction	-6757 Dec 14 j 23:49	5° M 26'45	-0°33'38
opposition	-6763 Dec 16 j 00:49	6° B 55'27	0°52'53	minimum elong	-6757 Dec 14 j 23:46	5° M 26'43	0°33'51
min. Earth dist.	-6763 Dec 16 j 17:33	6° B 50'00	4.35968 AU	max. Earth dist.	-6757 Dec 16 j 00:43	5° M 41'31	6.04521 AU
direct	-6762 Feb 16 j 04:31	1° B 52'00		morning rise	-6757 Dec 28 j 06:17	8° M 35'09	
	-6762 Jun 01 j 04:11	15° B			-6756 Jan 25 j 07:37	15° M	
evening set	-6762 Jun 24 j 04:30	19° B 55'05		retrograde	-6756 May 08 j 04:27	28° M 42'40	
max. Earth dist.	-6762 Jul 05 j 20:42	22° B 29'13	6.37024 AU	opposition	-6756 Jul 07 j 12:13	23° M 39'03	-1°26'48
				min. Earth dist.	-6756 Jul 06 j 13:59	23° M 46'31	4.03567 AU
conjunction	-6762 Jul 07 j 04:12	22° B 46'37	0°57'41	direct	-6756 Sep 03 j 17:35	18° M 44'44	
minimum elong	-6762 Jul 07 j 04:08	22° B 46'34	0°58'01		-6756 Dec 02 j 03:17	0° X	
morning rise	-6762 Jul 20 j 00:24	25° B 36'27		evening set	-6755 Jan 06 j 02:17	7° X 53'39	
	-6762 Aug 09 j 10:16	0° II					
retrograde	-6762 Nov 17 j 09:04	12° II 43'14		conjunction	-6755 Jan 19 j 12:42	11° X 03'29	-1°15'48
opposition	-6761 Jan 16 j 18:42	7° II 51'16	1°48'07	minimum elong	-6755 Jan 19 j 12:38	11° X 03'27	1°16'13
min. Earth dist.	-6761 Jan 17 j 19:37	7° II 43'17	4.36927 AU	max. Earth dist.	-6755 Jan 21 j 04:42	11° X 27'04	6.03963 AU
direct	-6761 Mar 20 j 08:27	2° II 49'43		morning rise	-6755 Feb 02 j 02:19	14° X 14'56	
evening set	-6761 Jul 25 j 14:49	20° II 49'12			-6755 Apr 20 j 22:12	0° Z	
max. Earth dist.	-6761 Aug 05 j 15:33	23° II 16'17	6.35322 AU	retrograde	-6755 Jun 13 j 10:43	4° Z 17'52	
					-6755 Aug 06 j 09:45	30° R X	
conjunction	-6761 Aug 07 j 05:49	23° II 37'37	1°25'44	min. Earth dist.	-6755 Aug 11 j 01:57	29° X 21'56	4.06033 AU
minimum elong	-6761 Aug 07 j 05:46	23° II 37'36	1°26'10	opposition	-6755 Aug 12 j 05:14	29° X 12'38	-2°10'05
morning rise	-6761 Aug 19 j 18:17	26° II 24'53		direct	-6755 Oct 09 j 07:32	24° X 15'15	
	-6761 Sep 05 j 04:04	0° D			-6755 Dec 09 j 17:28	0° Z	
retrograde	-6761 Dec 19 j 10:25	13° D 47'57		evening set	-6754 Feb 12 j 01:50	13° Z 23'55	
opposition	-6760 Feb 18 j 07:04	8° D 56'29	2°13'01				
min. Earth dist.	-6760 Feb 19 j 10:59	8° D 47'37	4.32771 AU	conjunction	-6754 Feb 25 j 17:30	16° Z 33'38	-1°29'44
direct	-6760 Apr 20 j 17:16	3° D 57'40		minimum elong	-6754 Feb 25 j 17:30	16° Z 33'38	1°30'11
evening set	-6760 Aug 24 j 18:14	22° D 02'59		max. Earth dist.	-6754 Feb 27 j 09:05	16° Z 56'35	6.09084 AU
max. Earth dist.	-6760 Sep 04 j 17:54	24° D 32'07	6.28956 AU	morning rise	-6754 Mar 11 j 11:00	19° Z 44'06	
					-6754 Apr 27 j 23:31	0° W	
conjunction	-6760 Sep 06 j 05:01	24° D 52'02	1°29'18	retrograde	-6754 Jul 18 j 07:59	9° W 09'21	
minimum elong	-6760 Sep 06 j 05:02	24° D 52'03	1°29'44	opposition	-6754 Sep 15 j 16:22	4° W 05'07	-2°05'11
morning rise	-6760 Sep 18 j 14:55	27° D 40'46		min. Earth dist.	-6754 Sep 14 j 19:11	4° W 12'22	4.13289 AU
	-6760 Sep 28 j 23:43	0° Q			-6754 Oct 20 j 22:39	30° R Z	
	-6760 Dec 30 j 18:22	15° Q		direct	-6754 Nov 13 j 12:47	29° Z 04'18	
retrograde	-6759 Jan 20 j 19:25	15° Q 40'56			-6754 Dec 07 j 07:29	0° W	
	-6759 Feb 10 j 21:53	15° R Q			-6753 Mar 07 j 05:34	15° W	
opposition	-6759 Mar 23 j 00:32	10° Q 47'57	1°59'07	evening set	-6753 Mar 20 j 13:54	17° W 58'55	
min. Earth dist.	-6759 Mar 23 j 21:08	10° Q 41'24	4.24615 AU				
direct	-6759 May 23 j 13:31	5° Q 52'06		conjunction	-6753 Apr 03 j 07:55	21° W 05'49	-1°11'26
	-6759 Aug 13 j 21:45	15° Q		minimum elong	-6753 Apr 03 j 08:00	21° W 05'52	1°11'45
evening set	-6759 Sep 25 j 09:10	24° Q 10'59		max. Earth dist.	-6753 Apr 04 j 10:21	21° W 20'49	6.17881 AU
				morning rise	-6753 Apr 17 j 01:28	24° W 12'21	
conjunction	-6759 Oct 07 j 21:47	27° Q 04'33	1°05'50		-6753 May 13 j 11:38	0° H	
minimum elong	-6759 Oct 07 j 21:51	27° Q 04'35	1°06'07	retrograde	-6753 Aug 20 j 12:20	12° H 43'41	
max. Earth dist.	-6759 Oct 07 j 02:08	26° Q 53'10	6.19748 AU	opposition	-6753 Oct 18 j 18:23	7° H 42'36	-1°18'00
morning rise	-6759 Oct 20 j 11:07	29° Q 58'43		min. Earth dist.	-6753 Oct 18 j 08:34	7° H 45'55	4.22693 AU
	-6759 Oct 20 j 13:20	0° M		direct	-6753 Dec 17 j 18:15	2° H 39'22	

Attention, astronomical year style is used: The year -6752 in astronomical counting style is the year 6753 BCE in historical counting style.

evening set	-6752 Apr 23 j 18:27	21° H 13'01		max. Earth dist.	-6747 Oct 11 j 19:51	1° H 44'07	6.18382 AU
				morning rise	-6747 Oct 25 j 03:41	4° H 49'25	
conjunction	-6752 May 07 j 09:49	24° H 15'03	-0°29'56	retrograde	-6746 Mar 01 j 22:56	23° H 46'13	
minimum elong	-6752 May 07 j 09:52	24° H 15'05	0°30'01	opposition	-6746 May 02 j 04:48	18° H 49'33	0°56'27
max. Earth dist.	-6752 May 07 j 12:06	24° H 16'20	6.27235 AU	min. Earth dist.	-6746 May 02 j 08:40	18° H 48'18	4.13743 AU
morning rise	-6752 May 20 j 23:07	27° H 15'51		direct	-6746 Jul 01 j 07:25	13° H 56'13	
	-6752 Jun 02 j 10:50	0° Y			-6746 Oct 21 j 21:33	0° A	
retrograde	-6752 Sep 20 j 08:54	14° Y 58'26		evening set	-6746 Nov 02 j 01:58	2° A 35'42	
opposition	-6752 Nov 18 j 19:31	10° Y 01'14	-0°08'15				
min. Earth dist.	-6752 Nov 19 j 01:01	9° Y 59'24	4.31134 AU	conjunction	-6746 Nov 14 j 22:05	5° A 36'55	0°12'39
asc. node	-6751 Jan 01 j 23:52	5° Y 24'33		minimum elong	-6746 Nov 14 j 22:06	5° A 36'56	0°12'38
direct	-6751 Jan 19 j 02:21	4° Y 57'07		behind sun begin	-6746 Nov 14 j 16:52	5° A 33'52	
evening set	-6751 May 27 j 09:02	23° Y 11'45		behind sun end	-6746 Nov 15 j 03:20	5° A 40'00	
				max. Earth dist.	-6746 Nov 15 j 03:34	5° A 40'08	6.09644 AU
conjunction	-6751 Jun 09 j 17:14	26° Y 07'59	0°19'45	morning rise	-6746 Nov 27 j 20:47	8° A 39'41	
minimum elong	-6751 Jun 09 j 17:13	26° Y 07'58	0°19'53	desc. node	-6745 Feb 16 j 04:21	24° A 39'00	
max. Earth dist.	-6751 Jun 08 j 23:12	25° Y 58'01	6.34173 AU	retrograde	-6745 Apr 07 j 12:10	28° A 22'35	
morning rise	-6751 Jun 22 j 21:53	29° Y 02'28		opposition	-6745 Jun 07 j 07:58	23° A 21'58	-0°22'48
	-6751 Jun 27 j 07:09	0° B		min. Earth dist.	-6745 Jun 06 j 20:26	23° A 25'46	4.06405 AU
	-6751 Sep 23 j 06:11	15° B		direct	-6745 Aug 05 j 06:15	18° A 28'59	
retrograde	-6751 Oct 21 j 12:24	16° B 15'46			-6745 Nov 04 j 03:34	0° M	
	-6751 Nov 18 j 19:42	15° R B		evening set	-6745 Dec 06 j 21:48	7° M 26'34	
opposition	-6751 Dec 20 j 10:24	11° B 21'59	1°01'53				
min. Earth dist.	-6751 Dec 21 j 04:01	11° B 16'15	4.36124 AU	conjunction	-6745 Dec 20 j 01:58	10° M 33'38	-0°40'47
direct	-6750 Feb 20 j 14:39	6° B 18'43		minimum elong	-6745 Dec 20 j 01:55	10° M 33'36	0°41'02
	-6750 May 14 j 00:58	15° B		max. Earth dist.	-6745 Dec 21 j 05:16	10° M 49'48	6.04371 AU
evening set	-6750 Jun 28 j 15:05	24° B 21'46		morning rise	-6744 Jan 02 j 09:38	13° M 42'34	
max. Earth dist.	-6750 Jul 10 j 03:22	26° B 54'02	6.36755 AU		-6744 Jan 07 j 21:50	15° M	
					-6744 Mar 23 j 14:21	0° X	
conjunction	-6750 Jul 11 j 13:22	27° B 12'50	1°02'47	retrograde	-6744 May 13 j 07:25	3° X 50'23	
minimum elong	-6750 Jul 11 j 13:18	27° B 12'48	1°03'08		-6744 Jul 03 j 09:22	30° R M	
morning rise	-6750 Jul 24 j 08:28	0° II 02'17		opposition	-6744 Jul 12 j 14:13	28° M 46'26	-1°35'26
	-6750 Jul 24 j 04:18	0° II		min. Earth dist.	-6744 Jul 11 j 14:03	28° M 54'34	4.03849 AU
retrograde	-6750 Nov 21 j 21:39	17° II 11'07		direct	-6744 Sep 08 j 17:02	23° M 51'47	
opposition	-6749 Jan 21 j 07:19	12° II 19'21	1°53'40		-6744 Nov 11 j 00:41	0° X	
min. Earth dist.	-6749 Jan 22 j 10:01	12° II 10'48	4.36272 AU	evening set	-6743 Jan 11 j 06:26	13° X 00'33	
direct	-6749 Mar 24 j 22:00	7° II 18'07					
evening set	-6749 Jul 30 j 00:34	25° II 19'07		conjunction	-6743 Jan 24 j 17:38	16° X 10'25	-1°19'42
max. Earth dist.	-6749 Aug 10 j 00:26	27° II 46'07	6.34320 AU	minimum elong	-6743 Jan 24 j 17:34	16° X 10'23	1°20'07
				max. Earth dist.	-6743 Jan 26 j 09:45	16° X 34'01	6.04619 AU
conjunction	-6749 Aug 11 j 14:48	28° II 07'34	1°27'47	morning rise	-6743 Feb 07 j 07:55	19° X 21'47	
minimum elong	-6749 Aug 11 j 14:46	28° II 07'33	1°28'13		-6743 Mar 27 j 23:04	0° Z	
	-6749 Aug 19 j 23:59	0° E		retrograde	-6743 Jun 18 j 10:08	9° Z 20'25	
morning rise	-6749 Aug 24 j 02:37	0° E 54'57		min. Earth dist.	-6743 Aug 16 j 00:43	4° Z 24'10	4.07000 AU
retrograde	-6749 Dec 24 j 01:31	18° E 23'13		opposition	-6743 Aug 17 j 03:02	4° Z 15'11	-2°12'21
opposition	-6748 Feb 23 j 00:09	13° E 31'36	2°13'27		-6743 Sep 23 j 21:55	30° R X	
min. Earth dist.	-6748 Feb 24 j 02:31	13° E 23'14	4.31516 AU	direct	-6743 Oct 14 j 08:01	29° X 17'19	
direct	-6748 Apr 25 j 06:41	8° E 33'14			-6743 Nov 03 j 20:09	0° Z	
evening set	-6748 Aug 29 j 05:36	26° E 41'00		evening set	-6742 Feb 17 j 05:14	18° Z 24'08	
max. Earth dist.	-6748 Sep 09 j 08:05	29° E 12'13	6.27563 AU				
				conjunction	-6742 Mar 02 j 21:32	21° Z 33'33	-1°29'01
conjunction	-6748 Sep 10 j 16:20	29° E 30'35	1°27'31	minimum elong	-6742 Mar 02 j 21:34	21° Z 33'34	1°29'27
minimum elong	-6748 Sep 10 j 16:22	29° E 30'36	1°27'55	max. Earth dist.	-6742 Mar 04 j 12:53	21° Z 56'17	6.10286 AU
	-6748 Sep 12 j 19:58	0° O		morning rise	-6742 Mar 16 j 15:08	24° Z 43'32	
morning rise	-6748 Sep 23 j 02:20	2° O 19'57			-6742 Apr 09 j 03:48	0° A	
	-6748 Nov 24 j 17:24	15° O		retrograde	-6742 Jul 23 j 01:39	14° A 01'25	
retrograde	-6747 Jan 25 j 18:30	20° O 27'08		opposition	-6742 Sep 20 j 08:53	8° A 57'37	-2°00'45
opposition	-6747 Mar 27 j 23:09	15° O 33'49	1°53'45	min. Earth dist.	-6742 Sep 19 j 12:54	9° A 04'26	4.14611 AU
min. Earth dist.	-6747 Mar 28 j 18:40	15° O 27'36	4.23166 AU	direct	-6742 Nov 18 j 08:07	3° A 56'26	
	-6747 Apr 01 j 09:36	15° R O			-6741 Feb 17 j 11:45	15° A	
direct	-6747 May 28 j 09:23	10° O 38'23		evening set	-6741 Mar 25 j 13:48	22° A 48'17	
	-6747 Jul 22 j 01:32	15° O					
evening set	-6747 Sep 30 j 00:01	28° O 59'46		conjunction	-6741 Apr 08 j 07:36	25° A 54'36	-1°06'43
	-6747 Oct 04 j 08:20	0° H		minimum elong	-6741 Apr 08 j 07:41	25° A 54'38	1°07'01
				max. Earth dist.	-6741 Apr 09 j 05:10	26° A 06'48	6.19218 AU
conjunction	-6747 Oct 12 j 13:15	1° H 54'12	1°00'24	morning rise	-6741 Apr 22 j 01:00	29° A 00'27	
minimum elong	-6747 Oct 12 j 13:19	1° H 54'15	1°00'39		-6741 Apr 26 j 11:23	0° H	

Attention, astronomical year style is used: The year -6741 in astronomical counting style is the year 6742 BCE in historical counting style.

retrograde	-6741 Aug 25 j 00:47	17° K 24'32		conjunction	-6735 Oct 17 j 03:50	6° M 41'45	0°54'39
opposition	-6741 Oct 23 j 06:48	12° K 23'58	-1°09'05	minimum elong	-6735 Oct 17 j 03:54	6° M 41'48	0°54'53
min. Earth dist.	-6741 Oct 22 j 23:38	12° K 26'23	4.23917 AU	max. Earth dist.	-6735 Oct 16 j 14:07	6° M 33'47	6.17372 AU
direct	-6741 Dec 22 j 11:19	7° K 20'29		morning rise	-6735 Oct 29 j 19:07	9° M 37'49	
evening set	-6740 Apr 28 j 13:08	25° K 51'41		retrograde	-6734 Mar 07 j 01:00	28° M 40'17	
				opposition	-6734 May 07 j 05:22	23° M 43'05	0°46'06
conjunction	-6740 May 12 j 03:58	28° K 53'03	-0°23'08	min. Earth dist.	-6734 May 07 j 07:51	23° M 42'17	4.12871 AU
minimum elong	-6740 May 12 j 04:00	28° K 53'04	0°23'10	direct	-6734 Jul 06 j 05:24	18° M 49'51	
max. Earth dist.	-6740 May 12 j 04:07	28° K 53'08	6.28275 AU		-6734 Oct 04 j 11:42	0° L	
	-6740 May 17 j 04:19	0° Y		evening set	-6734 Nov 06 j 20:04	7° L 30'37	
morning rise	-6740 May 25 j 16:09	1° Y 53'01					
retrograde	-6740 Sep 24 j 18:06	19° Y 30'45		conjunction	-6734 Nov 19 j 17:13	10° L 32'35	0°05'07
asc. node	-6740 Nov 12 j 07:58	15° Y 59'38		minimum elong	-6734 Nov 19 j 17:13	10° L 32'35	0°05'05
opposition	-6740 Nov 23 j 05:57	14° Y 34'08	0°02'02	behind sun begin	-6734 Nov 19 j 09:21	10° L 27'58	
min. Earth dist.	-6740 Nov 23 j 12:58	14° Y 31'49	4.31911 AU	behind sun end	-6734 Nov 20 j 01:06	10° L 37'12	
direct	-6739 Jan 23 j 15:05	9° Y 30'06		max. Earth dist.	-6734 Nov 20 j 01:28	10° L 37'26	6.08990 AU
evening set	-6739 May 31 j 23:24	27° Y 43'20		morning rise	-6734 Dec 02 j 17:13	13° L 36'11	
	-6739 Jun 11 j 07:48	0° B		desc. node	-6734 Dec 27 j 02:39	19° L 10'44	
max. Earth dist.	-6739 Jun 13 j 07:58	0° B 26'36	6.34616 AU		-6733 Feb 23 j 20:35	0° M	
				retrograde	-6733 Apr 12 j 13:32	3° M 22'42	
conjunction	-6739 Jun 14 j 06:10	0° B 38'51	0°26'29		-6733 May 30 j 16:53	30° R L	
minimum elong	-6739 Jun 14 j 06:08	0° B 38'50	0°26'40	opposition	-6733 Jun 12 j 08:53	28° L 21'31	-0°33'59
morning rise	-6739 Jun 27 j 09:41	3° B 32'40		min. Earth dist.	-6733 Jun 11 j 18:49	28° L 26'10	4.06044 AU
	-6739 Aug 23 j 21:56	15° B		direct	-6733 Aug 10 j 02:59	23° L 28'25	
retrograde	-6739 Oct 25 j 23:12	20° B 44'39			-6733 Oct 14 j 20:31	0° M	
opposition	-6739 Dec 24 j 21:27	15° B 51'16	1°10'40	evening set	-6733 Dec 11 j 20:28	12° M 26'55	
min. Earth dist.	-6739 Dec 25 j 17:26	15° B 44'46	4.36232 AU		-6733 Dec 22 j 15:31	15° M	
	-6739 Dec 31 j 11:58	15° R B					
direct	-6738 Feb 25 j 04:26	10° B 48'13		conjunction	-6733 Dec 25 j 01:37	15° M 34'25	-0°47'27
	-6738 Apr 21 j 06:18	15° B		minimum elong	-6733 Dec 25 j 01:33	15° M 34'23	0°47'45
evening set	-6738 Jul 03 j 02:27	28° B 51'18		max. Earth dist.	-6733 Dec 26 j 06:38	15° M 51'36	6.04308 AU
	-6738 Jul 08 j 07:19	0° II		morning rise	-6732 Jan 07 j 10:15	18° M 43'46	
					-6732 Feb 27 j 23:32	0° X	
conjunction	-6738 Jul 15 j 23:38	1° II 41'56	1°07'37	retrograde	-6732 May 18 j 07:54	8° X 51'40	
minimum elong	-6738 Jul 15 j 23:34	1° II 41'54	1°07'59	opposition	-6732 Jul 17 j 13:05	3° X 47'21	-1°43'08
max. Earth dist.	-6738 Jul 14 j 13:39	1° II 23'07	6.36513 AU	min. Earth dist.	-6732 Jul 16 j 12:48	3° X 55'33	4.04095 AU
morning rise	-6738 Jul 28 j 17:23	4° II 30'58			-6732 Aug 18 j 19:24	30° R M	
retrograde	-6738 Nov 26 j 08:29	21° II 41'48		direct	-6732 Sep 13 j 16:12	28° M 52'16	
opposition	-6737 Jan 25 j 20:51	16° II 50'11	1°58'40		-6732 Oct 09 j 13:10	0° X	
min. Earth dist.	-6737 Jan 26 j 22:58	16° II 41'50	4.35739 AU	evening set	-6731 Jan 16 j 08:02	18° X 01'10	
direct	-6737 Mar 29 j 10:01	11° II 49'25					
evening set	-6737 Aug 03 j 10:58	29° II 51'24		conjunction	-6731 Jan 29 j 20:10	21° X 11'09	-1°22'56
	-6737 Aug 04 j 02:26	0° E		minimum elong	-6731 Jan 29 j 20:06	21° X 11'07	1°23'21
max. Earth dist.	-6737 Aug 14 j 10:10	2° E 18'26	6.33535 AU	max. Earth dist.	-6731 Jan 31 j 13:42	21° X 35'32	6.05145 AU
				morning rise	-6731 Feb 12 j 10:59	24° X 22'29	
conjunction	-6737 Aug 16 j 00:16	2° E 39'48	1°29'22		-6731 Mar 09 j 04:47	0° B	
minimum elong	-6737 Aug 16 j 00:14	2° E 39'47	1°29'49	retrograde	-6731 Jun 23 j 07:35	14° B 17'06	
morning rise	-6737 Aug 28 j 11:34	5° E 27'16		opposition	-6731 Aug 21 j 22:00	9° B 11'58	-2°13'38
retrograde	-6737 Dec 28 j 19:08	23° E 00'07		min. Earth dist.	-6731 Aug 20 j 20:25	9° B 20'42	4.07769 AU
opposition	-6736 Feb 27 j 18:03	18° E 08'24	2°13'06	direct	-6731 Oct 19 j 04:08	4° B 13'37	
min. Earth dist.	-6736 Feb 28 j 20:26	18° E 00'01	4.30542 AU	evening set	-6730 Feb 22 j 06:52	23° B 19'28	
direct	-6736 Apr 29 j 23:44	13° E 10'29					
	-6736 Aug 27 j 19:22	0° O		conjunction	-6730 Mar 07 j 23:30	26° B 28'39	-1°27'40
evening set	-6736 Sep 02 j 16:34	1° O 19'33		minimum elong	-6730 Mar 07 j 23:32	26° B 28'41	1°28'04
max. Earth dist.	-6736 Sep 13 j 21:04	3° O 52'17	6.26489 AU	max. Earth dist.	-6730 Mar 09 j 11:19	26° B 49'18	6.11220 AU
				morning rise	-6730 Mar 21 j 17:32	29° B 38'21	
conjunction	-6736 Sep 15 j 03:22	4° O 09'35	1°25'14		-6730 Mar 23 j 07:28	0° W	
minimum elong	-6736 Sep 15 j 03:24	4° O 09'36	1°25'37		-6730 Jun 07 j 15:23	15° W	
morning rise	-6736 Sep 27 j 13:37	6° O 59'31		retrograde	-6730 Jul 27 j 17:05	18° W 49'57	
	-6736 Nov 03 j 13:07	15° O			-6730 Sep 15 j 22:25	15° R W	
retrograde	-6735 Jan 30 j 13:55	25° O 12'37		opposition	-6730 Sep 24 j 23:58	13° W 46'29	-1°55'36
opposition	-6735 Apr 01 j 20:55	20° O 18'53	1°47'41	min. Earth dist.	-6730 Sep 24 j 05:35	13° W 52'46	4.15614 AU
min. Earth dist.	-6735 Apr 02 j 13:22	20° O 13'38	4.22072 AU	direct	-6730 Nov 23 j 02:28	8° W 44'52	
direct	-6735 Jun 02 j 02:35	15° O 23'49			-6729 Jan 27 j 20:51	15° W	
	-6735 Sep 17 j 23:04	0° M		evening set	-6729 Mar 30 j 12:17	27° W 35'00	
evening set	-6735 Oct 04 j 13:54	3° M 46'35			-6729 Apr 10 j 05:47	0° K	

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Attention, astronomical year style is used: The year -6729 in astronomical counting style is the year 6730 BCE in historical counting style.

conjunction	-6729 Apr 13 j 06:12	0° H 40'55	-1°01'36	evening set	-6723 Oct 09 j 03:00	8° H 31'03		
minimum elong	-6729 Apr 13 j 06:17	0° H 40'57	1°01'51					
max. Earth dist.	-6729 Apr 14 j 01:55	0° H 52'03	6.20248 AU	conjunction	-6723 Oct 21 j 17:50	11° H 27'07	0°48'34	
morning rise	-6729 Apr 26 j 23:06	3° H 46'10		minimum elong	-6723 Oct 21 j 17:54	11° H 27'10	0°48'45	
retrograde	-6729 Aug 29 j 13:19	22° H 04'07		max. Earth dist.	-6723 Oct 21 j 06:44	11° H 20'39	6.16137 AU	
opposition	-6729 Oct 27 j 19:05	17° H 04'07	-0°59'49	morning rise	-6723 Nov 03 j 10:11	14° H 24'12		
min. Earth dist.	-6729 Oct 27 j 13:52	17° H 05'52	4.24870 AU		-6722 Jan 21 j 19:14	0° H		
direct	-6729 Dec 27 j 03:09	12° H 00'30		retrograde	-6722 Mar 12 j 01:37	3° H 33'23		
	-6728 May 01 j 01:30	0° Y			-6722 May 01 j 05:32	30° R H		
evening set	-6728 May 03 j 07:45	0° Y 29'53		opposition	-6722 May 12 j 05:33	28° H 35'40	0°35'25	
				min. Earth dist.	-6722 May 12 j 05:20	28° H 35'44	4.11704 AU	
conjunction	-6728 May 16 j 21:40	3° Y 30'35	-0°16'11	direct	-6722 Jul 11 j 00:06	23° H 42'36		
minimum elong	-6728 May 16 j 21:42	3° Y 30'36	0°16'12		-6722 Sep 14 j 03:19	0° H		
max. Earth dist.	-6728 May 16 j 17:43	3° Y 28'23	6.29091 AU	desc. node	-6722 Nov 05 j 15:54	11° H 02'40		
morning rise	-6728 May 30 j 09:02	6° Y 29'51		evening set	-6722 Nov 11 j 14:53	12° H 26'09		
asc. node	-6728 Sep 22 j 11:26	23° Y 59'02						
retrograde	-6728 Sep 29 j 04:00	24° Y 03'29		conjunction	-6722 Nov 24 j 13:04	15° H 29'02	-0°02'37	
opposition	-6728 Nov 27 j 17:01	19° Y 07'19	0°12'19	minimum elong	-6722 Nov 24 j 13:04	15° H 29'02	0°02'41	
min. Earth dist.	-6728 Nov 28 j 01:57	19° Y 04'22	4.32545 AU	behind sun begin	-6722 Nov 24 j 04:58	15° H 24'16		
direct	-6727 Jan 28 j 05:45	14° Y 03'19		behind sun end	-6722 Nov 24 j 21:10	15° H 33'48		
	-6727 May 26 j 04:42	0° H		max. Earth dist.	-6722 Nov 24 j 23:39	15° H 35'16	6.07989 AU	
evening set	-6727 Jun 05 j 13:52	2° H 15'16		morning rise	-6722 Dec 07 j 14:20	18° H 33'38		
					-6721 Jan 29 j 06:25	0° H		
conjunction	-6727 Jun 18 j 19:29	5° H 10'06	0°33'05	retrograde	-6721 Apr 17 j 17:08	8° H 25'21		
minimum elong	-6727 Jun 18 j 19:26	5° H 10'04	0°33'19	opposition	-6721 Jun 17 j 10:37	3° H 23'39	-0°45'03	
max. Earth dist.	-6727 Jun 17 j 20:45	4° H 57'33	6.35032 AU	min. Earth dist.	-6721 Jun 16 j 19:10	3° H 28'46	4.05296 AU	
morning rise	-6727 Jul 01 j 21:29	8° H 03'09			-6721 Jul 15 j 20:46	30° R H		
	-6727 Aug 03 j 19:26	15° H		direct	-6721 Aug 15 j 01:59	28° H 30'22		
retrograde	-6727 Oct 30 j 08:20	25° H 13'45			-6721 Sep 14 j 02:58	0° H		
opposition	-6727 Dec 29 j 09:05	20° H 20'42	1°19'02		-6721 Dec 06 j 01:47	15° H		
min. Earth dist.	-6727 Dec 30 j 05:34	20° H 14'04	4.36413 AU	evening set	-6721 Dec 16 j 21:24	17° H 31'39		
direct	-6726 Mar 01 j 17:32	15° H 17'58						
	-6726 Jun 22 j 03:47	0° H		conjunction	-6721 Dec 30 j 03:44	20° H 39'49	-0°53'53	
evening set	-6726 Jul 07 j 13:39	3° H 20'17		minimum elong	-6721 Dec 30 j 03:40	20° H 39'46	0°54'12	
max. Earth dist.	-6726 Jul 18 j 21:25	5° H 50'27	6.36414 AU	max. Earth dist.	-6721 Dec 31 j 11:53	20° H 58'51	6.03878 AU	
				morning rise	-6720 Jan 12 j 13:22	23° H 49'47		
conjunction	-6726 Jul 20 j 09:23	6° H 10'23	1°12'04		-6720 Feb 08 j 13:03	0° H		
minimum elong	-6726 Jul 20 j 09:19	6° H 10'21	1°12'26	retrograde	-6720 May 23 j 12:10	13° H 58'51		
morning rise	-6726 Aug 02 j 02:09	8° H 58'59		opposition	-6720 Jul 22 j 13:57	8° H 54'21	-1°50'13	
retrograde	-6726 Nov 30 j 21:12	26° H 11'21		min. Earth dist.	-6720 Jul 21 j 13:10	9° H 02'44	4.04053 AU	
opposition	-6725 Jan 30 j 10:48	21° H 19'47	2°02'56	direct	-6720 Sep 18 j 15:57	3° H 58'55		
min. Earth dist.	-6725 Jan 31 j 13:49	21° H 11'09	4.35366 AU	evening set	-6719 Jan 21 j 13:08	23° H 09'16		
direct	-6725 Apr 03 j 00:52	16° H 19'20						
	-6725 Jul 18 j 21:04	0° H		conjunction	-6719 Feb 04 j 01:55	26° H 19'25	-1°25'36	
evening set	-6725 Aug 07 j 20:19	4° H 21'23		minimum elong	-6719 Feb 04 j 01:53	26° H 19'24	1°26'03	
max. Earth dist.	-6725 Aug 18 j 20:27	6° H 49'10	6.32893 AU	max. Earth dist.	-6719 Feb 05 j 18:20	26° H 43'07	6.05458 AU	
				morning rise	-6719 Feb 17 j 17:36	29° H 30'55		
conjunction	-6725 Aug 20 j 09:02	7° H 09'43	1°30'25		-6719 Feb 19 j 19:43	0° H		
minimum elong	-6725 Aug 20 j 09:02	7° H 09'43	1°30'52	retrograde	-6719 Jun 28 j 06:36	19° H 22'07		
morning rise	-6725 Sep 01 j 19:39	9° H 57'11		opposition	-6719 Aug 26 j 19:56	14° H 17'04	-2°13'58	
retrograde	-6724 Jan 02 j 09:16	27° H 34'08		min. Earth dist.	-6719 Aug 25 j 18:25	14° H 25'48	4.08418 AU	
opposition	-6724 Mar 03 j 10:59	22° H 42'14	2°11'57	direct	-6719 Oct 24 j 03:31	9° H 18'15		
min. Earth dist.	-6724 Mar 04 j 11:46	22° H 34'23	4.29659 AU	evening set	-6718 Feb 27 j 11:55	28° H 23'33		
direct	-6724 May 04 j 13:45	17° H 44'46			-6718 Mar 06 j 12:11	0° H		
	-6724 Aug 11 j 05:29	0° H						
evening set	-6724 Sep 07 j 02:40	5° H 54'53		conjunction	-6718 Mar 13 j 05:09	1° H 32'34	-1°25'39	
max. Earth dist.	-6724 Sep 18 j 08:19	8° H 28'42	6.25425 AU	minimum elong	-6718 Mar 13 j 05:11	1° H 32'36	1°26'03	
				max. Earth dist.	-6718 Mar 14 j 16:43	1° H 53'02	6.12175 AU	
conjunction	-6724 Sep 19 j 13:26	8° H 45'21	1°22'27	morning rise	-6718 Mar 26 j 23:10	4° H 41'51		
minimum elong	-6724 Sep 19 j 13:29	8° H 45'23	1°22'49		-6718 May 14 j 03:07	15° H		
morning rise	-6724 Oct 02 j 00:05	11° H 35'54		retrograde	-6718 Aug 01 j 12:45	23° H 46'51		
	-6724 Oct 17 j 03:46	15° H		opposition	-6718 Sep 29 j 18:09	18° H 43'50	-1°49'30	
retrograde	-6723 Feb 04 j 11:29	29° H 55'08		min. Earth dist.	-6718 Sep 29 j 01:29	18° H 49'31	4.16786 AU	
opposition	-6723 Apr 06 j 17:52	25° H 00'59	1°40'58		-6718 Oct 30 j 19:57	15° H		
min. Earth dist.	-6723 Apr 07 j 09:29	24° H 56'00	4.20863 AU	direct	-6718 Nov 28 j 00:28	13° H 41'58		
direct	-6723 Jun 06 j 20:52	20° H 06'13			-6718 Dec 26 j 13:09	15° H		
	-6723 Aug 31 j 08:22	0° H			-6717 Mar 24 j 08:27	0° H		

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Attention, astronomical year style is used: The year -6717 in astronomical counting style is the year 6718 BCE in historical counting style.

evening set	-6717 Apr 04 j 14:01	2° X 29'35		max. Earth dist.	-6712 Sep 22 j 16:08	12° Ω 55'36	6.24323 AU
					-6712 Oct 01 j 17:07	15° Ω	
conjunction	-6717 Apr 18 j 07:38	5° X 34'51	-0°55'57	morning rise	-6712 Oct 06 j 06:32	16° Ω 02'31	
minimum elong	-6717 Apr 18 j 07:42	5° X 34'54	0°56'10		-6712 Dec 15 j 10:24	0° M	
max. Earth dist.	-6717 Apr 19 j 00:37	5° X 44'25	6.21580 AU	retrograde	-6711 Feb 09 j 03:47	4° M 28'09	
morning rise	-6717 May 02 j 00:07	8° X 39'22			-6711 Apr 07 j 23:59	30° R Ω	
retrograde	-6717 Sep 03 j 01:50	26° X 49'52		opposition	-6711 Apr 11 j 10:41	29° Ω 33'38	1°33'52
opposition	-6717 Nov 01 j 09:26	21° X 50'23	-0°50'00	min. Earth dist.	-6711 Apr 12 j 00:54	29° Ω 29'05	4.19493 AU
min. Earth dist.	-6717 Nov 01 j 05:12	21° X 51'49	4.26269 AU	direct	-6711 Jun 11 j 08:50	24° Ω 39'08	
direct	-6717 Dec 31 j 21:32	16° X 46'39			-6711 Aug 10 j 22:33	0° M	
	-6716 Apr 13 j 22:21	0° Y		evening set	-6711 Oct 13 j 13:07	13° M 06'59	
evening set	-6716 May 08 j 03:37	5° Y 12'25					
				conjunction	-6711 Oct 26 j 04:43	16° M 04'04	0°42'24
conjunction	-6716 May 21 j 16:33	8° Y 12'07	-0°09'07	minimum elong	-6711 Oct 26 j 04:46	16° M 04'06	0°42'33
minimum elong	-6716 May 21 j 16:34	8° Y 12'08	0°09'06	max. Earth dist.	-6711 Oct 25 j 18:35	15° M 58'09	6.14626 AU
behind sun begin	-6716 May 21 j 09:36	8° Y 08'18		morning rise	-6711 Nov 07 j 22:16	19° M 02'19	
behind sun end	-6716 May 21 j 23:31	8° Y 15'58			-6711 Dec 28 j 19:01	0° Ω	
max. Earth dist.	-6716 May 21 j 11:01	8° Y 09'05	6.30487 AU	retrograde	-6710 Mar 17 j 00:27	8° Ω 19'27	
morning rise	-6716 Jun 04 j 02:36	11° Y 10'18		opposition	-6710 May 17 j 02:35	3° Ω 21'11	0°24'51
asc. node	-6716 Aug 02 j 01:18	22° Y 56'08		min. Earth dist.	-6710 May 17 j 00:53	3° Ω 21'44	4.10159 AU
retrograde	-6716 Oct 03 j 13:59	28° Y 37'54			-6710 Jun 14 j 14:39	30° R M	
opposition	-6716 Dec 02 j 04:45	23° Y 42'14	0°22'27	direct	-6710 Jul 15 j 16:53	28° M 28'08	
min. Earth dist.	-6716 Dec 02 j 15:20	23° Y 38'46	4.33830 AU		-6710 Aug 15 j 12:09	0° Ω	
direct	-6715 Feb 01 j 22:14	18° Y 38'22		desc. node	-6710 Sep 16 j 23:15	4° Ω 28'01	
	-6715 May 08 j 23:35	0° Z		evening set	-6710 Nov 16 j 07:52	17° Ω 16'16	
evening set	-6715 Jun 10 j 03:24	6° Z 46'29					
max. Earth dist.	-6715 Jun 22 j 06:02	9° Z 26'15	6.36090 AU	conjunction	-6710 Nov 29 j 07:27	20° Ω 20'21	-0°09'59
				minimum elong	-6710 Nov 29 j 07:26	20° Ω 20'20	0°10'05
conjunction	-6715 Jun 23 j 07:27	9° Z 40'15	0°39'24	behind sun begin	-6710 Nov 29 j 00:52	20° Ω 16'28	
minimum elong	-6715 Jun 23 j 07:24	9° Z 40'13	0°39'39	behind sun end	-6710 Nov 29 j 13:59	20° Ω 24'12	
morning rise	-6715 Jul 06 j 08:05	12° Z 32'17		max. Earth dist.	-6710 Nov 29 j 21:37	20° Ω 28'44	6.06575 AU
	-6715 Jul 17 j 16:09	15° Z		morning rise	-6710 Dec 12 j 09:59	23° Ω 26'09	
retrograde	-6715 Nov 03 j 15:48	29° Z 39'38			-6709 Jan 10 j 04:52	0° M	
opposition	-6714 Jan 02 j 19:25	24° Z 46'49	1°26'43	retrograde	-6709 Apr 22 j 20:37	13° M 24'28	
min. Earth dist.	-6714 Jan 03 j 17:06	24° Z 39'49	4.37193 AU	opposition	-6709 Jun 22 j 10:51	8° M 22'20	-0°55'34
direct	-6714 Mar 06 j 06:34	19° Z 44'16		min. Earth dist.	-6709 Jun 21 j 18:01	8° M 27'56	4.04175 AU
	-6714 Jun 05 j 00:25	0° II		direct	-6709 Aug 19 j 22:35	3° M 28'55	
evening set	-6714 Jul 11 j 22:02	7° II 43'47			-6709 Nov 18 j 14:10	15° M	
max. Earth dist.	-6714 Jul 23 j 04:56	10° II 13'24	6.36841 AU	evening set	-6709 Dec 21 j 22:12	22° M 34'32	
conjunction	-6714 Jul 24 j 16:34	10° II 33'09	1°15'56	conjunction	-6708 Jan 04 j 05:31	25° M 43'29	-0°59'46
minimum elong	-6714 Jul 24 j 16:30	10° II 33'07	1°16'20	minimum elong	-6708 Jan 04 j 05:27	25° M 43'27	1°00'06
morning rise	-6714 Aug 06 j 07:56	13° II 21'03		max. Earth dist.	-6708 Jan 05 j 14:35	26° M 03'05	6.03133 AU
	-6714 Nov 16 j 08:23	0° III		morning rise	-6708 Jan 17 j 16:26	28° M 54'17	
retrograde	-6714 Dec 05 j 04:41	0° III 33'23			-6708 Jan 22 j 08:37	0° Z	
	-6714 Dec 24 j 02:22	30° R II		retrograde	-6708 May 28 j 14:26	19° Z 05'30	
opposition	-6713 Feb 03 j 21:23	25° II 41'53	2°06'15	opposition	-6708 Jul 27 j 14:29	14° Z 00'43	-1°56'21
min. Earth dist.	-6713 Feb 05 j 00:42	25° II 33'11	4.35412 AU	min. Earth dist.	-6708 Jul 26 j 12:05	14° Z 09'41	4.03789 AU
direct	-6713 Apr 07 j 11:44	20° II 41'47		direct	-6708 Sep 23 j 15:12	9° Z 04'51	
	-6713 Jul 01 j 15:37	0° III		evening set	-6707 Jan 26 j 18:40	28° Z 17'20	
evening set	-6713 Aug 12 j 01:56	8° III 42'37			-6707 Feb 03 j 02:33	0° Z	
max. Earth dist.	-6713 Aug 22 j 23:40	11° III 09'19	6.32529 AU				
				conjunction	-6707 Feb 09 j 08:29	1° Z 27'47	-1°27'33
conjunction	-6713 Aug 24 j 13:50	11° III 30'46	1°30'53	minimum elong	-6707 Feb 09 j 08:28	1° Z 27'46	1°27'59
minimum elong	-6713 Aug 24 j 13:50	11° III 30'46	1°31'19	max. Earth dist.	-6707 Feb 11 j 03:00	1° Z 52'41	6.05699 AU
morning rise	-6713 Sep 06 j 00:10	14° III 18'13		morning rise	-6707 Feb 23 j 00:39	4° Z 39'22	
	-6713 Dec 01 j 16:00	0° Ω		retrograde	-6707 Jul 03 j 07:19	24° Z 26'50	
retrograde	-6712 Jan 06 j 21:37	1° Ω 58'39		opposition	-6707 Aug 31 j 17:54	19° Z 21'53	-2°13'13
	-6712 Feb 12 j 12:28	30° R III		min. Earth dist.	-6707 Aug 30 j 17:20	19° Z 30'17	4.09127 AU
opposition	-6712 Mar 08 j 00:07	27° III 06'31	2°10'01	direct	-6707 Oct 29 j 03:52	14° Z 22'35	
min. Earth dist.	-6712 Mar 09 j 01:12	26° III 58'34	4.28890 AU		-6706 Feb 17 j 10:31	0° \approx	
direct	-6712 May 09 j 01:17	22° III 09'18		evening set	-6706 Mar 04 j 17:12	3° \approx 26'41	
	-6712 Jul 24 j 06:01	0° Ω					
evening set	-6712 Sep 11 j 08:26	10° Ω 20'18		conjunction	-6706 Mar 18 j 10:45	6° \approx 35'24	-1°22'57
				minimum elong	-6706 Mar 18 j 10:48	6° \approx 35'26	1°23'20
conjunction	-6712 Sep 23 j 19:33	13° Ω 11'19	1°19'16	max. Earth dist.	-6706 Mar 19 j 21:04	6° \approx 55'04	6.13273 AU
minimum elong	-6712 Sep 23 j 19:36	13° Ω 11'21	1°19'38	morning rise	-6706 Apr 01 j 04:58	9° \approx 44'14	

Attention, astronomical year style is used: The year -6706 in astronomical counting style is the year 6707 BCE in historical counting style.

	-6706 Apr 24 j 20:51	15°♊		morning rise	-6701 Sep 10 j 08:25	18°♏49'51	
retrograde	-6706 Aug 06 j 05:15	28°♊41'35			-6701 Nov 03 j 19:12	0°♏	
opposition	-6706 Oct 04 j 11:40	23°♊38'55	-1°42'37	retrograde	-6700 Jan 11 j 15:11	6°♏36'05	
min. Earth dist.	-6706 Oct 03 j 19:20	23°♊44'29	4.18127 AU	opposition	-6700 Mar 12 j 18:32	1°♏43'49	2°07'17
direct	-6706 Dec 02 j 21:12	18°♊36'38		min. Earth dist.	-6700 Mar 13 j 18:48	1°♏36'07	4.27588 AU
	-6705 Mar 06 j 10:34	0°♋			-6700 Mar 26 j 16:39	30°♋♏	
evening set	-6705 Apr 09 j 14:29	7°♋20'53		direct	-6700 May 13 j 16:18	26°♏47'03	
					-6700 Jun 29 j 14:44	0°♏	
conjunction	-6705 Apr 23 j 07:43	10°♋25'23	-0°49'55	evening set	-6700 Sep 15 j 19:57	15°♏00'36	
minimum elong	-6705 Apr 23 j 07:47	10°♋25'25	0°50'06		-6700 Sep 15 j 18:54	15°♏	
max. Earth dist.	-6705 Apr 23 j 21:49	10°♋33'18	6.23043 AU	max. Earth dist.	-6700 Sep 27 j 04:32	17°♏36'58	6.22854 AU
morning rise	-6705 May 06 j 23:33	13°♋29'00					
	-6705 Aug 07 j 16:20	0°♌		conjunction	-6700 Sep 28 j 07:17	17°♏52'21	1°15'27
retrograde	-6705 Sep 07 j 15:23	1°♌31'54		minimum elong	-6700 Sep 28 j 07:20	17°♏52'23	1°15'47
	-6705 Oct 08 j 09:24	30°♌♋		morning rise	-6700 Oct 10 j 19:04	20°♏44'29	
opposition	-6705 Nov 05 j 23:03	26°♌32'57	-0°39'55		-6700 Nov 22 j 17:13	0°♍	
min. Earth dist.	-6705 Nov 05 j 21:29	26°♌33'28	4.27666 AU	retrograde	-6699 Feb 14 j 04:08	9°♍17'53	
direct	-6704 Jan 05 j 16:56	21°♌29'05		opposition	-6699 Apr 16 j 10:09	4°♍22'54	1°25'45
	-6704 Mar 26 j 00:32	0°♌		min. Earth dist.	-6699 Apr 16 j 22:11	4°♍19'03	4.17954 AU
evening set	-6704 May 12 j 21:56	9°♌51'15			-6699 May 28 j 23:51	30°♋♏	
				direct	-6699 Jun 16 j 03:29	29°♏28'43	
conjunction	-6704 May 26 j 09:51	12°♌50'03	-0°01'59		-6699 Jul 04 j 06:30	0°♍	
minimum elong	-6704 May 26 j 09:51	12°♌50'02	0°01'55	evening set	-6699 Oct 18 j 05:27	17°♍59'57	
behind sun begin	-6704 May 26 j 01:37	12°♌45'30					
behind sun end	-6704 May 26 j 18:05	12°♌54'34		conjunction	-6699 Oct 30 j 22:14	20°♍58'09	0°35'34
max. Earth dist.	-6704 May 26 j 01:27	12°♌45'25	6.31687 AU	minimum elong	-6699 Oct 30 j 22:17	20°♍58'11	0°35'41
morning rise	-6704 Jun 08 j 18:40	15°♌47'13		max. Earth dist.	-6699 Oct 30 j 16:41	20°♍54'54	6.13192 AU
asc. node	-6704 Jun 10 j 21:05	16°♌14'53		morning rise	-6699 Nov 12 j 16:54	23°♍57'33	
	-6704 Aug 23 j 10:35	0°♎			-6699 Dec 09 j 09:04	0°♎	
retrograde	-6704 Oct 07 j 22:24	3°♎09'56		retrograde	-6698 Mar 22 j 05:34	13°♎22'02	
	-6704 Nov 22 j 23:44	30°♎♌		opposition	-6698 May 22 j 06:06	8°♎23'17	0°13'27
opposition	-6704 Dec 06 j 15:52	28°♌14'44	0°32'29	min. Earth dist.	-6698 May 22 j 02:09	8°♎24'34	4.08977 AU
min. Earth dist.	-6704 Dec 07 j 03:41	28°♌10'51	4.34747 AU	direct	-6698 Jul 20 j 15:54	3°♎30'24	
direct	-6703 Feb 06 j 12:11	23°♌10'57		desc. node	-6698 Jul 27 j 02:07	3°♎34'30	
	-6703 Apr 19 j 05:16	0°♎		evening set	-6698 Nov 21 j 06:58	22°♎21'31	
evening set	-6703 Jun 14 j 16:32	11°♎16'50					
				conjunction	-6698 Dec 04 j 07:31	25°♎26'26	-0°17'41
conjunction	-6703 Jun 27 j 19:11	14°♎09'46	0°45'33	minimum elong	-6698 Dec 04 j 07:29	25°♎26'25	0°17'50
minimum elong	-6703 Jun 27 j 19:07	14°♎09'44	0°45'49	max. Earth dist.	-6698 Dec 05 j 00:04	25°♎36'14	6.05764 AU
max. Earth dist.	-6703 Jun 26 j 15:51	13°♎54'43	6.36645 AU	morning rise	-6698 Dec 17 j 11:29	28°♎33'11	
	-6703 Jul 01 j 14:15	15°♎			-6698 Dec 23 j 15:45	0°♍	
morning rise	-6703 Jul 10 j 18:22	17°♎01'00			-6697 Mar 10 j 00:56	15°♍	
	-6703 Sep 16 j 07:37	0°♐		retrograde	-6697 Apr 28 j 01:43	18°♍35'12	
retrograde	-6703 Nov 08 j 01:44	4°♐07'11			-6697 Jun 16 j 12:59	15°♋♍	
	-6702 Jan 01 j 09:39	30°♋♏		opposition	-6697 Jun 27 j 14:57	13°♍32'34	-1°06'05
opposition	-6702 Jan 07 j 06:52	29°♋14'44	1°34'05	min. Earth dist.	-6697 Jun 26 j 19:08	13°♍39'10	4.03857 AU
min. Earth dist.	-6702 Jan 08 j 06:17	29°♋07'12	4.37356 AU	direct	-6697 Aug 24 j 23:54	8°♍38'54	
direct	-6702 Mar 10 j 20:10	24°♋12'31			-6697 Oct 28 j 12:12	15°♍	
	-6702 May 15 j 12:24	0°♐		evening set	-6697 Dec 27 j 02:25	27°♍45'42	
evening set	-6702 Jul 16 j 07:45	12°♐11'24			-6696 Jan 05 j 13:57	0°♑	
max. Earth dist.	-6702 Jul 27 j 11:07	14°♐39'18	6.36567 AU				
				conjunction	-6696 Jan 09 j 10:51	0°♑54'59	-1°05'24
conjunction	-6702 Jul 29 j 01:03	15°♐00'21	1°19'30	minimum elong	-6696 Jan 09 j 10:47	0°♑54'57	1°05'46
minimum elong	-6702 Jul 29 j 01:00	15°♐00'19	1°19'55	max. Earth dist.	-6696 Jan 10 j 23:44	1°♑16'49	6.03336 AU
morning rise	-6702 Aug 10 j 15:32	17°♐47'58		morning rise	-6696 Jan 22 j 22:29	4°♑05'59	
	-6702 Oct 11 j 12:16	0°♑		retrograde	-6696 Jun 02 j 18:06	24°♑14'58	
retrograde	-6702 Dec 09 j 17:15	5°♑02'59		opposition	-6696 Aug 01 j 15:35	19°♑09'57	-2°01'38
opposition	-6701 Feb 08 j 11:31	0°♑11'32	2°09'07	min. Earth dist.	-6696 Jul 31 j 13:21	19°♑18'52	4.04511 AU
	-6701 Feb 09 j 23:42	30°♋♐		direct	-6696 Sep 28 j 17:19	14°♑13'37	
min. Earth dist.	-6701 Feb 09 j 15:00	0°♑02'46	4.34739 AU		-6695 Jan 17 j 03:41	0°♑	
direct	-6701 Apr 12 j 00:31	25°♐11'47		evening set	-6695 Jan 31 j 23:58	3°♑24'29	
	-6701 Jun 09 j 23:43	0°♑					
evening set	-6701 Aug 16 j 10:57	13°♑13'46		conjunction	-6695 Feb 14 j 14:20	6°♑34'39	-1°28'52
max. Earth dist.	-6701 Aug 27 j 10:08	15°♑41'37	6.31509 AU	minimum elong	-6695 Feb 14 j 14:19	6°♑34'38	1°29'18
				max. Earth dist.	-6695 Feb 16 j 08:34	6°♑59'18	6.06840 AU
conjunction	-6701 Aug 28 j 22:30	16°♑02'08	1°30'54	morning rise	-6695 Feb 28 j 07:03	9°♑45'52	
minimum elong	-6701 Aug 28 j 22:30	16°♑02'08	1°31'19	retrograde	-6695 Jul 08 j 02:11	29°♑25'59	

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Attention, astronomical year style is used: The year -6695 in astronomical counting style is the year 6696 BCE in historical counting style.

opposition	-6695 Sep 05 j 13:17	24° ♁ 21'10	-2°11'28			-6690 Sep 20 j 17:25	0° ♁	
min. Earth dist.	-6695 Sep 04 j 12:37	24° ♁ 29'36	4.10573 AU	retrograde		-6690 Dec 14 j 07:49	9° ♁ 33'25	
direct	-6695 Nov 03 j 01:28	19° ♁ 21'22		opposition		-6689 Feb 13 j 02:20	4° ♁ 42'01	2°11'12
	-6694 Jan 30 j 09:07	0° ♁		min. Earth dist.		-6689 Feb 14 j 06:25	4° ♁ 33'05	4.33606 AU
evening set	-6694 Mar 09 j 18:57	8° ♁ 21'47				-6689 Apr 02 j 18:08	30° ♁ II	
				direct		-6689 Apr 16 j 14:13	29° ♁ II42'43	
conjunction	-6694 Mar 23 j 12:36	11° ♁ 29'49	-1°19'46			-6689 Apr 30 j 09:46	0° ♁	
minimum elong	-6694 Mar 23 j 12:40	11° ♁ 29'52	1°20'08	evening set		-6689 Aug 20 j 21:04	17° ♁ 47'09	
max. Earth dist.	-6694 Mar 24 j 19:47	11° ♁ 47'38	6.14890 AU	max. Earth dist.		-6689 Aug 31 j 19:55	20° ♁ 15'22	6.30137 AU
morning rise	-6694 Apr 06 j 06:42	14° ♁ 37'52						
	-6694 Apr 07 j 21:49	15° ♁		conjunction		-6689 Sep 02 j 08:15	20° ♁ 35'55	1°30'18
	-6694 Jun 24 j 13:15	0° ♁		minimum elong		-6689 Sep 02 j 08:15	20° ♁ 35'56	1°30'43
retrograde	-6694 Aug 10 j 19:38	3° ♁ 26'22		morning rise		-6689 Sep 14 j 18:15	23° ♁ 24'13	
	-6694 Sep 27 j 02:00	30° ♁				-6689 Oct 15 j 02:46	0° ♁	
opposition	-6694 Oct 09 j 01:23	28° ♁ 24'08	-1°35'17	retrograde		-6688 Jan 16 j 10:53	11° ♁ 17'21	
min. Earth dist.	-6694 Oct 08 j 12:01	28° ♁ 28'40	4.19731 AU	opposition		-6688 Mar 17 j 14:55	6° ♁ 24'45	2°03'40
direct	-6694 Dec 07 j 16:46	23° ♁ 21'28		min. Earth dist.		-6688 Mar 18 j 13:02	6° ♁ 17'43	4.26077 AU
	-6693 Feb 14 j 07:29	0° ♁		direct		-6688 May 18 j 08:03	1° ♁ 28'26	
evening set	-6693 Apr 14 j 10:27	12° ♁ 01'43				-6688 Aug 30 j 04:19	15° ♁	
				evening set		-6688 Sep 20 j 09:04	19° ♁ 44'53	
conjunction	-6693 Apr 28 j 03:20	15° ♁ 05'26	-0°43'48					
minimum elong	-6693 Apr 28 j 03:24	15° ♁ 05'28	0°43'58	conjunction		-6688 Oct 02 j 21:02	22° ♁ 37'31	1°11'03
max. Earth dist.	-6693 Apr 28 j 14:39	15° ♁ 11'46	6.24510 AU	minimum elong		-6688 Oct 02 j 21:06	22° ♁ 37'33	1°11'20
morning rise	-6693 May 11 j 18:21	18° ♁ 08'06		max. Earth dist.		-6688 Oct 01 j 22:43	22° ♁ 24'38	6.21357 AU
	-6693 Jul 09 j 10:31	0° ♁		morning rise		-6688 Oct 15 j 09:25	25° ♁ 30'35	
retrograde	-6693 Sep 11 j 23:08	6° ♁ 03'56				-6688 Nov 04 j 08:10	0° ♁	
opposition	-6693 Nov 10 j 08:35	1° ♁ 05'31	-0°29'59	retrograde		-6687 Feb 19 j 06:14	14° ♁ 11'33	
min. Earth dist.	-6693 Nov 10 j 08:32	1° ♁ 05'32	4.28877 AU	opposition		-6687 Apr 21 j 11:36	9° ♁ 16'07	1°16'51
	-6693 Nov 18 j 14:22	30° ♁		min. Earth dist.		-6687 Apr 21 j 21:40	9° ♁ 12'53	4.16572 AU
direct	-6692 Jan 10 j 05:38	26° ♁ 01'32		direct		-6687 Jun 21 j 00:55	4° ♁ 22'16	
	-6692 Mar 02 j 23:20	0° ♁		evening set		-6687 Oct 22 j 23:44	22° ♁ 56'06	
asc. node	-6692 Apr 21 j 01:27	8° ♁ 42'04						
evening set	-6692 May 17 j 12:28	14° ♁ 21'03		conjunction		-6687 Nov 04 j 17:22	25° ♁ 55'12	0°28'23
				minimum elong		-6687 Nov 04 j 17:25	25° ♁ 55'14	0°28'28
conjunction	-6692 May 30 j 23:10	17° ♁ 19'01	0°05'02	max. Earth dist.		-6687 Nov 04 j 14:18	25° ♁ 53'24	6.12050 AU
minimum elong	-6692 May 30 j 23:10	17° ♁ 19'01	0°05'07	morning rise		-6687 Nov 17 j 13:26	28° ♁ 55'42	
behind sun begin	-6692 May 30 j 15:13	17° ♁ 14'39				-6687 Nov 22 j 04:03	0° ♁	
behind sun end	-6692 May 31 j 07:07	17° ♁ 23'24		retrograde		-6686 Mar 27 j 09:17	18° ♁ 26'01	
max. Earth dist.	-6692 May 30 j 10:21	17° ♁ 11'57	6.32548 AU	opposition		-6686 May 27 j 09:49	13° ♁ 26'38	0°01'50
morning rise	-6692 Jun 13 j 06:53	20° ♁ 15'23		min. Earth dist.		-6686 May 27 j 02:23	13° ♁ 29'04	4.08168 AU
	-6692 Jul 30 j 19:05	0° ♁		desc. node		-6686 Jun 05 j 08:14	12° ♁ 17'14	
retrograde	-6692 Oct 12 j 07:07	7° ♁ 34'48		direct		-6686 Jul 25 j 15:21	8° ♁ 33'46	
opposition	-6692 Dec 11 j 00:39	2° ♁ 40'04	0°42'02	evening set		-6686 Nov 26 j 06:35	27° ♁ 26'40	
min. Earth dist.	-6692 Dec 11 j 15:32	2° ♁ 35'12	4.35205 AU			-6686 Dec 07 j 01:58	0° ♁	
	-6691 Jan 01 j 12:58	30° ♁						
direct	-6691 Feb 11 j 00:47	27° ♁ 36'23		conjunction		-6686 Dec 09 j 08:23	0° ♁ 32'16	-0°25'16
	-6691 Mar 23 j 18:29	0° ♁		minimum elong		-6686 Dec 09 j 08:21	0° ♁ 32'15	0°25'28
	-6691 Jun 15 j 22:57	15° ♁		max. Earth dist.		-6686 Dec 10 j 05:39	0° ♁ 44'52	6.05350 AU
evening set	-6691 Jun 19 j 03:02	15° ♁ 41'32		morning rise		-6686 Dec 22 j 13:21	3° ♁ 39'40	
max. Earth dist.	-6691 Jun 30 j 22:53	18° ♁ 17'37	6.36644 AU			-6685 Feb 12 j 10:57	15° ♁	
				retrograde		-6685 May 03 j 07:50	23° ♁ 43'38	
conjunction	-6691 Jul 02 j 04:29	18° ♁ 33'57	0°51'17	opposition		-6685 Jul 02 j 18:04	18° ♁ 40'34	-1°16'03
minimum elong	-6691 Jul 02 j 04:25	18° ♁ 33'55	0°51'34	min. Earth dist.		-6685 Jul 01 j 21:38	18° ♁ 47'25	4.03880 AU
morning rise	-6691 Jul 15 j 02:21	21° ♁ 24'38				-6685 Aug 02 j 23:59	15° ♁	
	-6691 Aug 25 j 12:23	0° ♁		direct		-6685 Aug 30 j 01:59	13° ♁ 46'39	
retrograde	-6691 Nov 12 j 10:14	8° ♁ 31'41				-6685 Sep 26 j 01:12	15° ♁	
opposition	-6690 Jan 11 j 17:25	3° ♁ 39'28	1°40'49	evening set		-6685 Dec 19 j 19:24	0° ♁	
min. Earth dist.	-6690 Jan 12 j 17:19	3° ♁ 31'47	4.36939 AU			-6684 Jan 01 j 05:57	2° ♁ 53'44	
	-6690 Feb 12 j 17:31	30° ♁						
direct	-6690 Mar 15 j 06:03	28° ♁ 37'31		conjunction		-6684 Jan 14 j 15:11	6° ♁ 03'11	-1°10'30
	-6690 Apr 14 j 23:29	0° ♁		minimum elong		-6684 Jan 14 j 15:07	6° ♁ 03'09	1°10'54
evening set	-6690 Jul 20 j 16:58	16° ♁ 37'39		max. Earth dist.		-6684 Jan 16 j 05:12	6° ♁ 25'38	6.03759 AU
max. Earth dist.	-6690 Jul 31 j 19:21	19° ♁ 05'23	6.35758 AU	morning rise		-6684 Jan 28 j 03:46	9° ♁ 14'20	
				retrograde		-6684 Jun 07 j 17:53	29° ♁ 20'15	
conjunction	-6690 Aug 02 j 09:15	19° ♁ 26'28	1°22'33	min. Earth dist.		-6684 Aug 05 j 11:29	24° ♁ 24'26	4.05322 AU
minimum elong	-6690 Aug 02 j 09:12	19° ♁ 26'27	1°22'58	opposition		-6684 Aug 06 j 14:45	24° ♁ 15'10	-2°05'59
morning rise	-6690 Aug 14 j 22:48	22° ♁ 14'01		direct		-6684 Oct 03 j 15:53	19° ♁ 18'25	

Attention, astronomical year style is used: The year -6683 in astronomical counting style is the year 6684 BCE in historical counting style.

	-6684 Dec 30 j 00:25	0° Z		conjunction	-6678 Aug 06 j 18:11	23° II 55'58	1°25'12
evening set	-6683 Feb 06 j 04:04	8° Z 27'51		minimum elong	-6678 Aug 06 j 18:09	23° II 55'57	1°25'37
				morning rise	-6678 Aug 19 j 06:56	26° II 43'26	
conjunction	-6683 Feb 19 j 19:00	11° Z 37'46	-1°29'33		-6678 Sep 03 j 06:03	0° Z	
minimum elong	-6683 Feb 19 j 19:00	11° Z 37'45	1°29'59	retrograde	-6678 Dec 18 j 21:28	14° Z 06'50	
max. Earth dist.	-6683 Feb 21 j 11:39	12° Z 01'25	6.07953 AU	opposition	-6677 Feb 17 j 18:18	9° Z 15'20	2°12'33
morning rise	-6683 Mar 05 j 12:03	14° Z 48'35		min. Earth dist.	-6677 Feb 18 j 20:55	9° Z 06'52	4.32693 AU
	-6683 May 20 j 02:46	0° \approx		direct	-6677 Apr 21 j 03:07	4° Z 16'29	
retrograde	-6683 Jul 12 j 21:39	4° \approx 21'51		evening set	-6677 Aug 25 j 07:18	22° Z 22'19	
	-6683 Sep 05 j 02:06	30° R Z		max. Earth dist.	-6677 Sep 05 j 08:31	24° Z 52'15	6.29073 AU
min. Earth dist.	-6683 Sep 09 j 08:42	29° Z 25'03	4.11866 AU				
opposition	-6683 Sep 10 j 07:16	29° Z 17'19	-2°08'54	conjunction	-6677 Sep 06 j 18:13	25° Z 11'23	1°29'12
direct	-6683 Nov 07 j 23:45	24° Z 17'04		minimum elong	-6677 Sep 06 j 18:14	25° Z 11'24	1°29'37
	-6682 Jan 08 j 23:47	0° \approx		morning rise	-6677 Sep 19 j 04:06	28° Z 00'04	
evening set	-6682 Mar 14 j 19:52	13° \approx 14'44			-6677 Sep 28 j 02:18	0° Q	
	-6682 Mar 22 j 13:18	15° \approx			-6677 Dec 26 j 22:04	15° Q	
				retrograde	-6676 Jan 21 j 07:14	15° Q 58'59	
conjunction	-6682 Mar 28 j 13:49	16° \approx 22'17	-1°16'06		-6676 Feb 15 j 16:45	15° R Q	
minimum elong	-6682 Mar 28 j 13:54	16° \approx 22'20	1°16'25	opposition	-6676 Mar 22 j 11:20	11° Q 06'06	1°59'18
max. Earth dist.	-6682 Mar 29 j 19:21	16° \approx 39'06	6.16280 AU	min. Earth dist.	-6676 Mar 23 j 08:36	10° Q 59'20	4.24930 AU
morning rise	-6682 Apr 11 j 07:41	19° \approx 29'39		direct	-6676 May 23 j 02:26	6° Q 10'11	
	-6682 May 31 j 03:21	0° X			-6676 Aug 11 j 21:37	15° Q	
retrograde	-6682 Aug 15 j 08:41	8° X 10'19		evening set	-6676 Sep 24 j 21:41	24° Q 28'09	
opposition	-6682 Oct 13 j 14:35	3° X 08'39	-1°27'26				
min. Earth dist.	-6682 Oct 13 j 02:26	3° X 12'45	4.21083 AU	conjunction	-6676 Oct 07 j 10:05	27° Q 21'27	1°06'15
	-6682 Nov 07 j 18:17	30° R \approx		minimum elong	-6676 Oct 07 j 10:09	27° Q 21'29	1°06'31
direct	-6682 Dec 12 j 09:09	28° \approx 05'45		max. Earth dist.	-6676 Oct 06 j 13:34	27° Q 09'35	6.20236 AU
	-6681 Jan 16 j 11:38	0° X			-6676 Oct 18 j 20:40	0° R	
evening set	-6681 Apr 19 j 06:28	16° X 43'04		morning rise	-6676 Oct 19 j 23:22	0° R 15'21	
				retrograde	-6675 Feb 24 j 04:28	19° R 02'23	
conjunction	-6681 May 02 j 22:40	19° X 46'04	-0°37'25	opposition	-6675 Apr 26 j 11:16	14° R 06'21	1°07'33
minimum elong	-6681 May 02 j 22:44	19° X 46'06	0°37'32	min. Earth dist.	-6675 Apr 26 j 17:56	14° R 04'13	4.15557 AU
max. Earth dist.	-6681 May 03 j 04:55	19° X 49'33	6.25730 AU	direct	-6675 Jun 25 j 19:47	9° R 12'43	
morning rise	-6681 May 16 j 13:05	22° X 47'57		evening set	-6675 Oct 27 j 16:14	27° R 47'58	
	-6681 Jun 19 j 06:55	0° Y			-6675 Nov 06 j 01:34	0° Z	
retrograde	-6681 Sep 16 j 09:57	10° Y 37'55					
opposition	-6681 Nov 14 j 19:11	5° Y 40'03	-0°19'51	conjunction	-6675 Nov 09 j 10:58	0° Z 47'52	0°21'09
min. Earth dist.	-6681 Nov 14 j 22:12	5° Y 39'03	4.29858 AU	minimum elong	-6675 Nov 09 j 11:00	0° Z 47'54	0°21'12
direct	-6680 Jan 14 j 21:02	0° Y 35'59		max. Earth dist.	-6675 Nov 09 j 12:23	0° Z 48'43	6.11238 AU
asc. node	-6680 Feb 29 j 20:07	3° Y 40'08		morning rise	-6675 Nov 22 j 08:02	3° Z 49'12	
evening set	-6680 May 22 j 03:30	18° Y 53'32		retrograde	-6674 Apr 01 j 12:51	23° Z 24'06	
				desc. node	-6674 Apr 15 j 23:29	23° Z 04'13	
conjunction	-6680 Jun 04 j 13:15	21° Y 50'48	0°11'56	opposition	-6674 Jun 01 j 11:04	18° Z 24'08	-0°09'32
minimum elong	-6680 Jun 04 j 13:14	21° Y 50'48	0°12'04	min. Earth dist.	-6674 Jun 01 j 02:26	18° Z 26'58	4.07617 AU
behind sun begin	-6680 Jun 04 j 07:44	21° Y 47'46		direct	-6674 Jul 30 j 14:19	13° Z 31'12	
behind sun end	-6680 Jun 04 j 18:44	21° Y 53'49			-6674 Nov 20 j 19:25	0° Z	
max. Earth dist.	-6680 Jun 03 j 22:31	21° Y 42'40	6.33224 AU	evening set	-6674 Dec 01 j 03:52	2° Z 25'07	
morning rise	-6680 Jun 17 j 19:33	24° Y 46'21					
	-6680 Jul 12 j 05:19	0° Z		conjunction	-6674 Dec 14 j 06:35	5° Z 31'15	-0°32'30
retrograde	-6680 Oct 16 j 14:52	12° Z 03'10		minimum elong	-6674 Dec 14 j 06:32	5° Z 31'13	0°32'42
opposition	-6680 Dec 15 j 10:37	7° Z 08'53	0°51'28	max. Earth dist.	-6674 Dec 15 j 05:50	5° Z 45'01	6.05092 AU
min. Earth dist.	-6680 Dec 16 j 02:19	7° Z 03'46	4.35552 AU	morning rise	-6674 Dec 27 j 12:45	8° Z 39'14	
direct	-6679 Feb 15 j 11:41	2° Z 05'24			-6673 Jan 24 j 07:24	15° Z	
	-6679 May 30 j 09:56	15° Z		retrograde	-6673 May 08 j 08:04	28° Z 44'21	
evening set	-6679 Jun 23 j 14:48	20° Z 10'03		opposition	-6673 Jul 07 j 17:38	23° Z 40'52	-1°25'12
max. Earth dist.	-6679 Jul 05 j 06:35	22° Z 44'06	6.36627 AU	min. Earth dist.	-6673 Jul 06 j 19:14	23° Z 48'22	4.03971 AU
				direct	-6673 Sep 03 j 22:43	18° Z 46'37	
conjunction	-6679 Jul 06 j 14:46	23° Z 01'52	0°56'48		-6673 Dec 02 j 06:46	0° Z	
minimum elong	-6679 Jul 06 j 14:42	23° Z 01'50	0°57'08	evening set	-6672 Jan 06 j 06:54	7° Z 54'03	
morning rise	-6679 Jul 19 j 11:27	25° Z 52'03					
	-6679 Aug 07 j 15:13	0° Z		conjunction	-6672 Jan 19 j 16:57	11° Z 03'39	-1°14'57
retrograde	-6679 Nov 16 j 22:22	13° Z 00'02		minimum elong	-6672 Jan 19 j 16:53	11° Z 03'36	1°15'21
opposition	-6678 Jan 16 j 05:38	8° Z 08'05	1°47'05	max. Earth dist.	-6672 Jan 21 j 07:23	11° Z 26'19	6.04158 AU
min. Earth dist.	-6678 Jan 17 j 07:20	7° Z 59'49	4.36584 AU	morning rise	-6672 Feb 02 j 06:13	14° Z 14'51	
direct	-6678 Mar 19 j 19:41	3° Z 06'28			-6672 Apr 20 j 02:35	0° Z	
evening set	-6678 Jul 25 j 02:48	21° Z 07'18		retrograde	-6672 Jun 12 j 15:47	4° Z 17'50	
max. Earth dist.	-6678 Aug 05 j 04:11	23° Z 34'47	6.35084 AU		-6672 Aug 05 j 15:18	30° R Z	

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Attention, astronomical year style is used: The year -6672 in astronomical counting style is the year 6673 BCE in historical counting style.

min. Earth dist.	-6672 Aug 10 j 08:34	29° ♂ 21'35	4.05991 AU	max. Earth dist.	-6666 Aug 09 j 12:29	28° ♂ 03'15	6.34596 AU
opposition	-6672 Aug 11 j 10:46	29° ♂ 12'39	-2°09'19				
direct	-6672 Oct 08 j 14:06	24° ♂ 15'22		conjunction	-6666 Aug 11 j 02:41	28° ♂ 24'36	1°27'21
	-6672 Dec 08 j 22:05	0° ♂		minimum elong	-6666 Aug 11 j 02:39	28° ♂ 24'34	1°27'46
evening set	-6671 Feb 11 j 05:31	13° ♂ 24'01			-6666 Aug 18 j 05:29	0° ♂	
				morning rise	-6666 Aug 23 j 14:44	1° ♂ 11'57	
conjunction	-6671 Feb 24 j 21:10	16° ♂ 33'49	-1°29'35	retrograde	-6666 Dec 23 j 12:36	18° ♂ 38'43	
minimum elong	-6671 Feb 24 j 21:11	16° ♂ 33'49	1°30'01	opposition	-6665 Feb 22 j 09:59	13° ♂ 47'09	2°13'05
max. Earth dist.	-6671 Feb 26 j 13:42	16° ♂ 57'19	6.08834 AU	min. Earth dist.	-6665 Feb 23 j 13:10	13° ♂ 38'31	4.31948 AU
morning rise	-6671 Mar 10 j 14:30	19° ♂ 44'22		direct	-6665 Apr 25 j 18:33	8° ♂ 48'41	
	-6671 Apr 27 j 01:29	0° ♂		evening set	-6665 Aug 29 j 16:33	26° ♂ 55'17	
retrograde	-6671 Jul 17 j 14:59	9° ♂ 11'39		max. Earth dist.	-6665 Sep 09 j 18:46	29° ♂ 26'08	6.28114 AU
opposition	-6671 Sep 14 j 23:07	4° ♂ 07'28	-2°05'32				
min. Earth dist.	-6671 Sep 14 j 01:32	4° ♂ 14'50	4.12877 AU	conjunction	-6665 Sep 11 j 03:23	29° ♂ 44'41	1°27'34
	-6671 Oct 20 j 18:00	30° ♂		minimum elong	-6665 Sep 11 j 03:25	29° ♂ 44'42	1°27'58
direct	-6671 Nov 12 j 17:43	29° ♂ 06'49			-6665 Sep 12 j 06:20	0° ♂	
	-6671 Dec 05 j 23:35	0° ♂		morning rise	-6665 Sep 23 j 13:21	2° ♂ 33'49	
	-6670 Mar 06 j 04:04	15° ♂			-6665 Nov 23 j 21:03	15° ♂	
evening set	-6670 Mar 19 j 19:04	18° ♂ 02'46		retrograde	-6664 Jan 26 j 00:15	20° ♂ 38'18	
				opposition	-6664 Mar 27 j 06:40	15° ♂ 45'03	1°54'13
conjunction	-6670 Apr 02 j 12:58	21° ♂ 09'54	-1°11'58	min. Earth dist.	-6664 Mar 28 j 01:31	15° ♂ 39'03	4.23804 AU
minimum elong	-6670 Apr 02 j 13:03	21° ♂ 09'57	1°12'16		-6664 Apr 02 j 04:52	15° ♂	
max. Earth dist.	-6670 Apr 03 j 14:02	21° ♂ 24'09	6.17339 AU	direct	-6664 May 27 j 17:20	10° ♂ 49'31	
morning rise	-6670 Apr 16 j 06:50	24° ♂ 16'47			-6664 Jul 20 j 05:45	15° ♂	
	-6670 May 12 j 07:46	0° ♂		evening set	-6664 Sep 29 j 09:17	29° ♂ 09'12	
retrograde	-6670 Aug 19 j 21:34	12° ♂ 51'04			-6664 Oct 03 j 01:28	0° ♂	
opposition	-6670 Oct 18 j 03:02	7° ♂ 49'53	-1°19'07	conjunction	-6664 Oct 11 j 22:18	2° ♂ 03'16	1°01'03
min. Earth dist.	-6670 Oct 17 j 17:20	7° ♂ 53'10	4.22090 AU	minimum elong	-6664 Oct 11 j 22:22	2° ♂ 03'18	1°01'18
direct	-6670 Dec 17 j 01:58	2° ♂ 46'43		max. Earth dist.	-6664 Oct 11 j 04:43	1° ♂ 53'04	6.19041 AU
evening set	-6669 Apr 24 j 01:41	21° ♂ 22'16		morning rise	-6664 Oct 24 j 12:22	4° ♂ 58'04	
				retrograde	-6663 Mar 01 j 05:08	23° ♂ 51'47	
conjunction	-6669 May 07 j 17:29	24° ♂ 24'42	-0°30'50	opposition	-6663 May 01 j 10:22	18° ♂ 55'17	0°57'50
minimum elong	-6669 May 07 j 17:32	24° ♂ 24'43	0°30'55	min. Earth dist.	-6663 May 01 j 16:04	18° ♂ 53'27	4.14351 AU
max. Earth dist.	-6669 May 07 j 22:03	24° ♂ 27'14	6.26643 AU	direct	-6663 Jun 30 j 16:02	14° ♂ 01'49	
morning rise	-6669 May 21 j 06:55	27° ♂ 25'51			-6663 Oct 20 j 21:18	0° ♂	
	-6669 Jun 01 j 23:56	0° ♂		evening set	-6663 Nov 01 j 08:46	2° ♂ 39'35	
retrograde	-6669 Sep 20 j 19:29	15° ♂ 10'59					
opposition	-6669 Nov 19 j 05:43	10° ♂ 13'43	-0°09'38	conjunction	-6663 Nov 14 j 04:32	5° ♂ 40'27	0°13'48
min. Earth dist.	-6669 Nov 19 j 09:59	10° ♂ 12'17	4.30610 AU	minimum elong	-6663 Nov 14 j 04:33	5° ♂ 40'27	0°13'48
asc. node	-6668 Jan 09 j 21:53	5° ♂ 18'14		behind sun begin	-6663 Nov 14 j 00:10	5° ♂ 37'53	
direct	-6668 Jan 19 j 10:00	5° ♂ 09'42		behind sun end	-6663 Nov 14 j 08:56	5° ♂ 43'01	
evening set	-6668 May 26 j 18:44	23° ♂ 25'54		max. Earth dist.	-6663 Nov 14 j 08:11	5° ♂ 42'35	6.10139 AU
max. Earth dist.	-6668 Jun 08 j 08:36	26° ♂ 12'13	6.33759 AU	morning rise	-6663 Nov 27 j 02:57	8° ♂ 42'50	
				desc. node	-6662 Feb 24 j 10:28	25° ♂ 50'27	
conjunction	-6668 Jun 09 j 03:08	26° ♂ 22'27	0°18'48	retrograde	-6662 Apr 06 j 14:47	28° ♂ 23'26	
minimum elong	-6668 Jun 09 j 03:06	26° ♂ 22'26	0°18'57	opposition	-6662 Jun 06 j 11:59	23° ♂ 22'57	-0°20'52
morning rise	-6668 Jun 22 j 08:20	29° ♂ 17'18		min. Earth dist.	-6662 Jun 06 j 00:43	23° ♂ 26'39	4.06735 AU
	-6668 Jun 25 j 14:21	0° ♂		direct	-6662 Aug 04 j 10:17	18° ♂ 29'58	
	-6668 Sep 19 j 19:02	15° ♂			-6662 Nov 03 j 07:56	0° ♂	
retrograde	-6668 Oct 21 j 01:24	16° ♂ 32'02		evening set	-6662 Dec 06 j 02:34	7° ♂ 26'39	
	-6668 Nov 21 j 07:30	15° ♂					
opposition	-6668 Dec 19 j 21:34	11° ♂ 38'09	1°00'37	conjunction	-6662 Dec 19 j 06:25	10° ♂ 33'31	-0°39'32
min. Earth dist.	-6668 Dec 20 j 15:23	11° ♂ 32'21	4.35852 AU	minimum elong	-6662 Dec 19 j 06:21	10° ♂ 33'28	0°39'47
direct	-6667 Feb 20 j 01:45	6° ♂ 34'51		max. Earth dist.	-6662 Dec 20 j 07:54	10° ♂ 48'37	6.04491 AU
	-6667 May 11 j 23:29	15° ♂		morning rise	-6661 Jan 01 j 13:41	13° ♂ 42'14	
evening set	-6667 Jun 28 j 02:16	24° ♂ 38'45			-6661 Jan 07 j 02:31	15° ♂	
max. Earth dist.	-6667 Jul 09 j 17:08	27° ♂ 12'23	6.36658 AU		-6661 Mar 23 j 19:27	0° ♂	
				retrograde	-6661 May 13 j 11:18	3° ♂ 49'53	
conjunction	-6667 Jul 11 j 01:03	27° ♂ 30'02	1°02'01		-6661 Jul 03 j 12:17	30° ♂	
minimum elong	-6667 Jul 11 j 00:59	27° ♂ 29'59	1°02'22	opposition	-6661 Jul 12 j 18:33	28° ♂ 46'00	-1°33'50
	-6667 Jul 22 j 08:36	0° ♂		min. Earth dist.	-6661 Jul 11 j 19:43	28° ♂ 53'41	4.03712 AU
morning rise	-6667 Jul 23 j 20:19	0° ♂ 19'38		direct	-6661 Sep 08 j 22:46	23° ♂ 51'23	
retrograde	-6667 Nov 21 j 07:51	17° ♂ 28'26			-6661 Nov 11 j 05:52	0° ♂	
opposition	-6666 Jan 20 j 18:12	12° ♂ 36'37	1°52'45	evening set	-6660 Jan 11 j 10:16	13° ♂ 00'37	
min. Earth dist.	-6666 Jan 21 j 19:24	12° ♂ 28'32	4.36361 AU				
direct	-6666 Mar 24 j 07:30	7° ♂ 35'24		conjunction	-6660 Jan 24 j 21:22	16° ♂ 10'35	-1°18'55
evening set	-6666 Jul 29 j 12:24	25° ♂ 36'11					

Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 22

Attention, astronomical year style is used: The year -6660 in astronomical counting style is the year 6661 BCE in historical counting style.

minimum elong	-6660 Jan 24 j 21:19	16°♏10'33	1°19'20	opposition	-6654 Jan 25 j 04:57	16°♐59'37	1°57'31
max. Earth dist.	-6660 Jan 26 j 13:56	16°♏34'28	6.04255 AU	min. Earth dist.	-6654 Jan 26 j 07:34	16°♐51'07	4.36658 AU
morning rise	-6660 Feb 07 j 11:24	19°♏22'03		direct	-6654 Mar 28 j 20:13	11°♐58'40	
	-6660 Mar 27 j 00:37	0°♐		evening set	-6654 Aug 02 j 18:35	29°♐57'35	
retrograde	-6660 Jun 17 j 17:05	9°♐22'51			-6654 Aug 02 j 22:58	0°♐	
min. Earth dist.	-6660 Aug 15 j 07:03	4°♐26'37	4.06450 AU	max. Earth dist.	-6654 Aug 13 j 18:38	2°♐24'41	6.34520 AU
opposition	-6660 Aug 16 j 09:15	4°♐17'41	-2°11'46				
	-6660 Sep 23 j 19:11	30°♏♏		conjunction	-6654 Aug 15 j 08:09	2°♐45'39	1°28'53
direct	-6660 Oct 13 j 12:57	29°♏19'58		minimum elong	-6654 Aug 15 j 08:08	2°♐45'39	1°29'20
	-6660 Nov 02 j 09:47	0°♐		morning rise	-6654 Aug 27 j 19:21	5°♐32'43	
evening set	-6659 Feb 16 j 10:30	18°♐28'34		retrograde	-6654 Dec 27 j 21:41	23°♐01'44	
				opposition	-6653 Feb 26 j 22:16	18°♐10'02	2°12'46
conjunction	-6659 Mar 02 j 02:35	21°♐38'16	-1°28'57	min. Earth dist.	-6653 Feb 28 j 00:32	18°♐01'42	4.31503 AU
minimum elong	-6659 Mar 02 j 02:37	21°♐38'17	1°29'22	direct	-6653 Apr 30 j 04:45	13°♐11'57	
max. Earth dist.	-6659 Mar 03 j 16:35	22°♐00'16	6.09597 AU		-6653 Aug 28 j 02:27	0°♐	
morning rise	-6659 Mar 15 j 20:27	24°♐48'38		evening set	-6653 Sep 02 j 22:00	1°♐18'26	
	-6659 Apr 07 j 22:42	0°♐		max. Earth dist.	-6653 Sep 14 j 00:10	3°♐49'35	6.27324 AU
retrograde	-6659 Jul 22 j 10:19	14°♐10'03					
opposition	-6659 Sep 19 j 17:49	9°♐06'09	-2°01'11	conjunction	-6653 Sep 15 j 08:36	4°♐08'04	1°25'28
min. Earth dist.	-6659 Sep 18 j 21:20	9°♐13'09	4.13869 AU	minimum elong	-6653 Sep 15 j 08:39	4°♐08'05	1°25'50
direct	-6659 Nov 17 j 15:38	4°♐05'04		morning rise	-6653 Sep 27 j 18:47	6°♐57'37	
	-6658 Feb 15 j 23:36	15°♐			-6653 Nov 03 j 23:52	15°♐	
evening set	-6658 Mar 24 j 21:31	22°♐59'13		retrograde	-6652 Jan 30 j 16:09	25°♐07'24	
				opposition	-6652 Mar 31 j 22:10	20°♐13'48	1°48'35
conjunction	-6658 Apr 07 j 15:38	26°♐05'56	-1°07'13	min. Earth dist.	-6652 Apr 01 j 17:04	20°♐07'47	4.22692 AU
minimum elong	-6658 Apr 07 j 15:43	26°♐05'59	1°07'30	direct	-6652 Jun 01 j 06:39	15°♐18'31	
max. Earth dist.	-6658 Apr 08 j 15:46	26°♐19'37	6.18533 AU		-6652 Sep 17 j 13:33	0°♐	
morning rise	-6658 Apr 21 j 09:04	29°♐12'10		evening set	-6652 Oct 03 j 17:16	3°♐40'13	
	-6658 Apr 24 j 22:24	0°♐					
retrograde	-6658 Aug 24 j 12:52	17°♐39'13		conjunction	-6652 Oct 16 j 07:04	6°♐35'10	0°55'40
opposition	-6658 Oct 22 j 18:12	12°♐38'34	-1°10'07	minimum elong	-6652 Oct 16 j 07:08	6°♐35'13	0°55'54
min. Earth dist.	-6658 Oct 22 j 09:55	12°♐41'22	4.23380 AU	max. Earth dist.	-6652 Oct 15 j 14:56	6°♐25'48	6.17721 AU
direct	-6658 Dec 21 j 20:58	7°♐35'16		morning rise	-6652 Oct 28 j 22:06	9°♐30'58	
evening set	-6657 Apr 28 j 23:13	26°♐07'39		retrograde	-6651 Mar 06 j 00:37	28°♐31'56	
				opposition	-6651 May 06 j 05:32	23°♐34'58	0°48'05
conjunction	-6657 May 12 j 14:08	29°♐09'13	-0°23'57	min. Earth dist.	-6651 May 06 j 09:01	23°♐33'51	4.12923 AU
minimum elong	-6657 May 12 j 14:10	29°♐09'15	0°23'59	direct	-6651 Jul 05 j 05:29	18°♐41'41	
max. Earth dist.	-6657 May 12 j 15:12	29°♐09'49	6.27961 AU		-6651 Oct 04 j 04:38	0°♐	
	-6657 May 16 j 09:23	0°♐		evening set	-6651 Nov 05 j 22:45	7°♐23'19	
morning rise	-6657 May 26 j 02:44	2°♐09'28					
retrograde	-6657 Sep 25 j 06:08	19°♐48'19		conjunction	-6651 Nov 18 j 19:36	10°♐25'16	0°06'36
asc. node	-6657 Nov 19 j 18:35	15°♐23'09		minimum elong	-6651 Nov 18 j 19:37	10°♐25'17	0°06'34
opposition	-6657 Nov 23 j 18:12	14°♐51'30	0°00'45	behind sun begin	-6651 Nov 18 j 12:01	10°♐20'49	
min. Earth dist.	-6657 Nov 24 j 00:03	14°♐49'33	4.31871 AU	behind sun end	-6651 Nov 19 j 03:13	10°♐29'45	
direct	-6656 Jan 24 j 02:52	9°♐47'29		max. Earth dist.	-6651 Nov 19 j 01:15	10°♐28'35	6.08736 AU
evening set	-6656 May 31 j 10:11	28°♐00'07		morning rise	-6651 Dec 01 j 19:20	13°♐28'53	
	-6656 Jun 09 j 12:26	0°♐		desc. node	-6650 Jan 06 j 07:43	21°♐28'04	
					-6650 Feb 23 j 17:39	0°♐	
conjunction	-6656 Jun 13 j 17:20	0°♐55'39	0°25'33	retrograde	-6650 Apr 11 j 16:01	3°♐16'42	
minimum elong	-6656 Jun 13 j 17:18	0°♐55'38	0°25'44		-6650 May 28 j 23:43	30°♐♏	
max. Earth dist.	-6656 Jun 12 j 22:23	0°♐45'12	6.34887 AU	opposition	-6650 Jun 11 j 10:41	28°♐15'42	-0°31'46
morning rise	-6656 Jun 26 j 20:56	3°♐49'24		min. Earth dist.	-6650 Jun 10 j 22:12	28°♐19'49	4.05483 AU
	-6656 Aug 21 j 18:32	15°♐		direct	-6650 Aug 09 j 05:29	23°♐22'36	
retrograde	-6656 Oct 25 j 08:54	21°♐00'07			-6650 Oct 14 j 10:22	0°♐	
opposition	-6656 Dec 24 j 08:17	16°♐06'37	1°09'16	evening set	-6650 Dec 11 j 00:00	12°♐23'47	
min. Earth dist.	-6656 Dec 25 j 02:44	16°♐00'37	4.36777 AU		-6650 Dec 21 j 23:52	15°♐	
	-6655 Jan 01 j 23:13	15°♐♏					
direct	-6655 Feb 24 j 15:10	11°♐03'34		conjunction	-6650 Dec 24 j 05:07	15°♐31'36	-0°46'07
	-6655 Apr 18 j 22:13	15°♐		minimum elong	-6650 Dec 24 j 05:03	15°♐31'34	0°46'24
evening set	-6655 Jul 02 j 12:28	29°♐04'21		max. Earth dist.	-6650 Dec 25 j 09:54	15°♐48'41	6.03517 AU
	-6655 Jul 06 j 17:48	0°♐		morning rise	-6649 Jan 06 j 13:34	18°♐41'17	
max. Earth dist.	-6655 Jul 13 j 23:14	1°♐35'42	6.37286 AU		-6649 Feb 27 j 04:53	0°♐	
				retrograde	-6649 May 18 j 14:39	8°♐52'44	
conjunction	-6655 Jul 15 j 09:40	1°♐54'44	1°06'45	opposition	-6649 Jul 17 j 18:26	3°♐48'36	-1°41'37
minimum elong	-6655 Jul 15 j 09:36	1°♐54'41	1°07'07	min. Earth dist.	-6649 Jul 16 j 18:29	3°♐56'40	4.03157 AU
morning rise	-6655 Jul 28 j 03:45	4°♐43'33			-6649 Aug 19 j 06:56	30°♐♐	
retrograde	-6655 Nov 25 j 16:44	21°♐51'20		direct	-6649 Sep 13 j 20:22	28°♐53'42	

Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 23

Attention, astronomical year style is used: The year -6649 in astronomical counting style is the year 6650 BCE in historical counting style.

	-6649 Oct 09 j 10:19	0°♌		morning rise	-6643 Aug 01 j 11:13	9°♊09'37	
evening set	-6648 Jan 16 j 14:04	18°♌06'03		retrograde	-6643 Nov 30 j 02:40	26°♊18'47	
				opposition	-6642 Jan 29 j 17:25	21°♊27'13	2°01'51
conjunction	-6648 Jan 30 j 01:58	21°♌16'27	-1°22'12	min. Earth dist.	-6642 Jan 30 j 20:24	21°♊18'37	4.36264 AU
minimum elong	-6648 Jan 30 j 01:54	21°♌16'25	1°22'37	direct	-6642 Apr 02 j 08:38	16°♊26'40	
max. Earth dist.	-6648 Jan 31 j 18:24	21°♌40'15	6.04144 AU		-6642 Jul 17 j 18:02	0°♎	
morning rise	-6648 Feb 12 j 16:58	24°♌28'19		evening set	-6642 Aug 07 j 03:15	4°♎26'03	
	-6648 Mar 07 j 22:36	0°♎		max. Earth dist.	-6642 Aug 18 j 00:55	6°♎52'14	6.33734 AU
retrograde	-6648 Jun 22 j 16:40	14°♎27'24					
min. Earth dist.	-6648 Aug 20 j 04:42	9°♎31'19	4.06809 AU	conjunction	-6642 Aug 19 j 15:55	7°♎14'05	1°30'01
opposition	-6648 Aug 21 j 07:23	9°♎22'12	-2°13'09	minimum elong	-6642 Aug 19 j 15:54	7°♎14'04	1°30'27
direct	-6648 Oct 18 j 12:08	4°♎23'59		morning rise	-6642 Sep 01 j 02:46	10°♎01'16	
evening set	-6647 Feb 21 j 15:35	23°♎32'47		retrograde	-6641 Jan 01 j 13:32	27°♎35'03	
				opposition	-6641 Mar 03 j 14:36	22°♎43'11	2°11'47
conjunction	-6647 Mar 07 j 08:26	26°♎42'25	-1°27'35	min. Earth dist.	-6641 Mar 04 j 16:58	22°♎34'49	4.30372 AU
minimum elong	-6647 Mar 07 j 08:28	26°♎42'26	1°27'59	direct	-6641 May 04 j 19:17	17°♎45'26	
max. Earth dist.	-6647 Mar 08 j 23:16	27°♎04'51	6.10403 AU		-6641 Aug 11 j 11:19	0°♏	
morning rise	-6647 Mar 21 j 02:25	29°♎52'30		evening set	-6641 Sep 07 j 07:49	5°♏54'01	
	-6647 Mar 21 j 15:31	0°♏					
	-6647 Jun 05 j 03:40	15°♏		conjunction	-6641 Sep 19 j 18:43	8°♏44'18	1°22'47
retrograde	-6647 Jul 27 j 06:35	19°♏07'31		minimum elong	-6641 Sep 19 j 18:46	8°♏44'19	1°23'09
	-6647 Sep 17 j 15:11	15°♏		max. Earth dist.	-6641 Sep 18 j 12:32	8°♏27'03	6.25956 AU
opposition	-6647 Sep 24 j 12:26	14°♏03'56	-1°55'55	morning rise	-6641 Oct 02 j 05:09	11°♏34'33	
min. Earth dist.	-6647 Sep 23 j 17:19	14°♏10'28	4.15005 AU		-6641 Oct 17 j 11:47	15°♏	
direct	-6647 Nov 22 j 13:48	9°♏02'29		retrograde	-6640 Feb 04 j 12:44	29°♏51'29	
	-6646 Jan 25 j 13:00	15°♏		opposition	-6640 Apr 05 j 19:24	24°♏57'32	1°42'01
evening set	-6646 Mar 29 j 23:18	27°♏53'55		min. Earth dist.	-6640 Apr 06 j 12:10	24°♏52'12	4.21179 AU
	-6646 Apr 08 j 07:02	0°♐		direct	-6640 Jun 05 j 22:46	20°♏02'38	
					-6640 Aug 30 j 19:29	0°♐	
conjunction	-6646 Apr 12 j 17:13	1°♐00'00	-1°02'00	evening set	-6640 Oct 08 j 07:24	8°♐27'29	
minimum elong	-6646 Apr 12 j 17:18	1°♐00'03	1°02'15				
max. Earth dist.	-6646 Apr 13 j 14:40	1°♐12'07	6.19881 AU	conjunction	-6640 Oct 20 j 21:56	11°♐23'25	0°49'38
morning rise	-6646 Apr 26 j 10:22	4°♐05'30		minimum elong	-6640 Oct 20 j 22:00	11°♐23'28	0°49'48
retrograde	-6646 Aug 29 j 01:18	22°♐24'46		max. Earth dist.	-6640 Oct 20 j 07:56	11°♐15'16	6.16210 AU
opposition	-6646 Oct 27 j 08:27	17°♐24'34	-1°00'40	morning rise	-6640 Nov 02 j 14:07	14°♐20'23	
min. Earth dist.	-6646 Oct 27 j 01:23	17°♐26'56	4.24777 AU		-6639 Jan 21 j 10:22	0°♑	
direct	-6646 Dec 26 j 15:16	12°♐21'01		retrograde	-6639 Mar 11 j 04:13	3°♑29'11	
	-6645 Apr 30 j 00:31	0°♑			-6639 Apr 29 j 18:16	30°♑	
evening set	-6645 May 03 j 19:11	0°♑49'50		opposition	-6639 May 11 j 07:24	28°♑31'39	0°37'23
				min. Earth dist.	-6639 May 11 j 08:41	28°♑31'14	4.11530 AU
conjunction	-6645 May 17 j 09:16	3°♑50'30	-0°16'56	direct	-6639 Jul 10 j 03:05	23°♑38'30	
minimum elong	-6645 May 17 j 09:17	3°♑50'30	0°16'58		-6639 Sep 13 j 15:11	0°♑	
max. Earth dist.	-6645 May 17 j 08:02	3°♑49'48	6.29286 AU	evening set	-6639 Nov 10 j 19:13	12°♑23'32	
morning rise	-6645 May 30 j 20:41	6°♑49'43		desc. node	-6639 Nov 15 j 05:49	13°♑26'17	
retrograde	-6645 Sep 29 j 16:11	24°♑22'36					
asc. node	-6645 Sep 29 j 11:56	24°♑22'36		conjunction	-6639 Nov 23 j 17:22	15°♑26'32	-0°01'11
opposition	-6645 Nov 28 j 05:28	19°♑26'19	0°11'03	minimum elong	-6639 Nov 23 j 17:22	15°♑26'32	0°01'15
min. Earth dist.	-6645 Nov 28 j 13:33	19°♑23'39	4.32987 AU	behind sun begin	-6639 Nov 23 j 09:14	15°♑21'45	
direct	-6644 Jan 28 j 18:50	14°♑22'22		behind sun end	-6639 Nov 24 j 01:30	15°♑31'19	
	-6644 May 24 j 07:19	0°♒		max. Earth dist.	-6639 Nov 24 j 03:35	15°♑32'34	6.07629 AU
evening set	-6644 Jun 05 j 00:27	2°♒32'10		morning rise	-6639 Dec 06 j 18:20	18°♑31'12	
max. Earth dist.	-6644 Jun 17 j 07:42	5°♒14'25	6.35674 AU		-6638 Jan 28 j 13:57	0°♒	
				retrograde	-6638 Apr 16 j 21:56	8°♒24'14	
conjunction	-6644 Jun 18 j 06:11	5°♒26'48	0°32'09	opposition	-6638 Jun 16 j 14:30	3°♒22'46	-0°43'00
minimum elong	-6644 Jun 18 j 06:08	5°♒26'46	0°32'22	min. Earth dist.	-6638 Jun 15 j 23:45	3°♒27'39	4.04816 AU
morning rise	-6644 Jul 01 j 08:29	8°♒19'41			-6638 Jul 14 j 21:19	30°♒	
	-6644 Aug 01 j 22:35	15°♒		direct	-6638 Aug 14 j 05:45	28°♒29'36	
retrograde	-6644 Oct 29 j 17:24	25°♒28'00			-6638 Sep 13 j 09:52	0°♒	
opposition	-6644 Dec 28 j 19:00	20°♒34'48	1°17'37		-6638 Dec 05 j 05:22	15°♒	
min. Earth dist.	-6644 Dec 29 j 15:05	20°♒28'17	4.37200 AU	evening set	-6638 Dec 16 j 02:49	17°♒32'52	
direct	-6643 Mar 01 j 04:15	15°♒31'56					
	-6643 Jun 20 j 14:43	0°♓		conjunction	-6638 Dec 29 j 08:50	20°♒41'11	-0°52'39
evening set	-6643 Jul 06 j 22:29	3°♓31'30		minimum elong	-6638 Dec 29 j 08:45	20°♒41'09	0°52'58
max. Earth dist.	-6643 Jul 18 j 07:58	6°♓02'14	6.37294 AU	max. Earth dist.	-6638 Dec 30 j 15:19	20°♒59'17	6.03341 AU
				morning rise	-6637 Jan 11 j 18:27	23°♒51'23	
conjunction	-6643 Jul 19 j 18:30	6°♓21'20	1°11'12		-6637 Feb 07 j 14:14	0°♓	
minimum elong	-6643 Jul 19 j 18:26	6°♓21'18	1°11'35	retrograde	-6637 May 23 j 17:38	14°♓02'38	

Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 24

Attention, astronomical year style is used: The year -6637 in astronomical counting style is the year 6638 BCE in historical counting style.

opposition	-6637 Jul 22 j 20:27	8°♌58'08	-1°48'49	max. Earth dist.	-6631 Jul 22 j 12:51	10°♊23'41	6.36722 AU
min. Earth dist.	-6637 Jul 21 j 18:40	9°♌06'51	4.03527 AU				
direct	-6637 Sep 18 j 21:51	4°♌02'48		conjunction	-6631 Jul 24 j 01:59	10°♊44'16	1°15'10
evening set	-6636 Jan 21 j 19:16	23°♌14'33		minimum elong	-6631 Jul 24 j 01:55	10°♊44'14	1°15'34
				morning rise	-6631 Aug 05 j 17:48	13°♊32'23	
conjunction	-6636 Feb 04 j 08:05	26°♌24'54	-1°24'56		-6631 Nov 12 j 16:32	0°♎	
minimum elong	-6636 Feb 04 j 08:03	26°♌24'52	1°25'22	retrograde	-6631 Dec 04 j 14:08	0°♎44'59	
max. Earth dist.	-6636 Feb 06 j 02:47	26°♌49'57	6.05015 AU		-6631 Dec 26 j 13:37	30°♋♊	
morning rise	-6636 Feb 17 j 23:29	29°♌36'31		opposition	-6630 Feb 03 j 05:56	25°♊53'30	2°05'27
	-6636 Feb 19 j 15:55	0°♎		min. Earth dist.	-6630 Feb 04 j 09:14	25°♊44'48	4.35304 AU
retrograde	-6636 Jun 27 j 15:58	19°♎29'37		direct	-6630 Apr 06 j 19:42	20°♊53'18	
min. Earth dist.	-6636 Aug 25 j 03:02	14°♎33'13	4.08084 AU		-6630 Jun 29 j 23:48	0°♎	
opposition	-6636 Aug 26 j 04:37	14°♎24'28	-2°13'31	evening set	-6630 Aug 11 j 11:59	8°♎55'02	
direct	-6636 Oct 23 j 12:04	9°♎25'45		max. Earth dist.	-6630 Aug 22 j 11:09	11°♎22'30	6.32461 AU
evening set	-6635 Feb 26 j 18:44	28°♎31'17					
	-6635 Mar 05 j 05:22	0°♎		conjunction	-6630 Aug 24 j 00:15	11°♎43'22	1°30'35
conjunction	-6635 Mar 12 j 11:48	1°♎40'21	-1°25'40	minimum elong	-6630 Aug 24 j 00:15	11°♎43'21	1°31'00
minimum elong	-6635 Mar 12 j 11:51	1°♎40'23	1°26'03	morning rise	-6630 Sep 05 j 10:37	14°♎30'53	
max. Earth dist.	-6635 Mar 14 j 00:28	2°♎01'26	6.11949 AU	retrograde	-6630 Nov 29 j 03:07	0°♏	
morning rise	-6635 Mar 26 j 05:58	4°♎49'45			-6629 Jan 06 j 06:45	2°♏11'08	
	-6635 May 12 j 16:59	15°♎		opposition	-6629 Feb 13 j 22:08	30°♋♎	
retrograde	-6635 Jul 31 j 20:11	23°♎55'47		min. Earth dist.	-6629 Mar 08 j 08:35	27°♎19'10	2°09'56
min. Earth dist.	-6635 Sep 28 j 09:05	18°♎58'47	4.16658 AU	direct	-6629 Mar 09 j 09:53	27°♎11'08	4.28879 AU
opposition	-6635 Sep 29 j 03:20	18°♎52'33	-1°50'00		-6629 May 09 j 09:49	22°♎21'56	
	-6635 Oct 31 j 20:51	15°♋		evening set	-6629 Jul 23 j 11:44	0°♏	
direct	-6635 Nov 27 j 08:17	13°♎50'40		max. Earth dist.	-6629 Sep 11 j 19:17	10°♏33'38	
	-6635 Dec 24 j 05:00	15°♎			-6629 Sep 23 j 01:18	13°♏08'00	6.24370 AU
evening set	-6634 Mar 23 j 00:13	0°♋		conjunction	-6629 Sep 24 j 06:17	13°♏24'38	1°19'30
	-6634 Apr 03 j 21:01	2°♋37'56		minimum elong	-6629 Sep 24 j 06:21	13°♏24'39	1°19'51
conjunction	-6634 Apr 17 j 14:39	5°♋43'13	-0°56'34		-6629 Oct 01 j 04:40	15°♏	
minimum elong	-6634 Apr 17 j 14:43	5°♋43'16	0°56'47	morning rise	-6629 Oct 06 j 17:25	16°♏15'49	
max. Earth dist.	-6634 Apr 18 j 08:23	5°♋53'13	6.21519 AU		-6629 Dec 14 j 10:12	0°♐	
morning rise	-6634 May 01 j 07:13	8°♋47'47		retrograde	-6628 Feb 09 j 13:00	4°♐40'43	
retrograde	-6634 Sep 02 j 11:51	26°♋58'56			-6628 Apr 09 j 00:12	30°♋♏	
opposition	-6634 Oct 31 j 18:44	21°♋59'17	-0°51'13	opposition	-6628 Apr 10 j 18:58	29°♏46'20	1°34'36
min. Earth dist.	-6634 Oct 31 j 14:51	22°♋00'36	4.26227 AU	min. Earth dist.	-6628 Apr 11 j 09:17	29°♏41'45	4.19609 AU
direct	-6634 Dec 31 j 07:16	16°♋55'34		direct	-6628 Jun 10 j 17:38	24°♏51'47	
	-6633 Apr 13 j 12:54	0°♑			-6628 Aug 09 j 00:57	0°♐	
evening set	-6633 May 08 j 10:42	5°♑20'57		evening set	-6628 Oct 12 j 23:34	13°♐19'47	
conjunction	-6633 May 21 j 23:55	8°♑20'47	-0°10'06	conjunction	-6628 Oct 25 j 15:10	16°♐16'46	0°43'07
minimum elong	-6633 May 21 j 23:56	8°♑20'48	0°10'05	minimum elong	-6628 Oct 25 j 15:13	16°♐16'48	0°43'16
behind sun begin	-6633 May 21 j 17:22	8°♑17'11		max. Earth dist.	-6628 Oct 25 j 06:09	16°♐11'30	6.14821 AU
behind sun end	-6633 May 22 j 06:30	8°♑24'25		morning rise	-6628 Nov 07 j 08:21	19°♐14'48	
max. Earth dist.	-6633 May 21 j 18:59	8°♑18'04	6.30429 AU		-6628 Dec 27 j 03:20	0°♑	
morning rise	-6633 Jun 04 j 10:15	11°♑19'06		retrograde	-6627 Mar 16 j 08:33	8°♑30'34	
asc. node	-6633 Aug 10 j 12:26	24°♑21'54		opposition	-6627 May 16 j 10:42	3°♑32'29	0°26'13
retrograde	-6633 Oct 03 j 21:59	28°♑47'18		min. Earth dist.	-6627 May 16 j 09:25	3°♑32'54	4.10438 AU
opposition	-6633 Dec 02 j 13:33	23°♑51'30	0°20'56		-6627 Jun 16 j 01:06	30°♋♐	
min. Earth dist.	-6633 Dec 02 j 23:17	23°♑48'17	4.33754 AU	direct	-6627 Jul 15 j 01:49	28°♐39'32	
direct	-6632 Feb 02 j 05:33	18°♑47'34			-6627 Aug 12 j 21:06	0°♑	
	-6632 May 07 j 12:29	0°♋		desc. node	-6627 Sep 23 j 17:54	5°♑58'42	
evening set	-6632 Jun 09 j 11:24	6°♋55'57		evening set	-6627 Nov 15 j 17:13	17°♑26'51	
conjunction	-6632 Jun 22 j 15:49	9°♋49'54	0°38'22	conjunction	-6627 Nov 28 j 16:19	20°♑30'37	-0°08'57
minimum elong	-6632 Jun 22 j 15:46	9°♋49'52	0°38'37	minimum elong	-6627 Nov 28 j 16:18	20°♑30'37	0°09'04
max. Earth dist.	-6632 Jun 21 j 14:46	9°♋36'06	6.36003 AU	behind sun begin	-6627 Nov 28 j 09:22	20°♑26'31	
morning rise	-6632 Jul 05 j 16:45	12°♋42'07		behind sun end	-6627 Nov 28 j 23:15	20°♑34'42	
	-6632 Jul 16 j 06:36	15°♋		max. Earth dist.	-6627 Nov 29 j 05:03	20°♑38'09	6.06908 AU
retrograde	-6632 Nov 03 j 01:26	29°♋49'53		morning rise	-6627 Dec 11 j 18:41	23°♑36'11	
opposition	-6631 Jan 02 j 03:58	24°♋57'06	1°25'21		-6626 Jan 08 j 19:37	0°♒	
min. Earth dist.	-6631 Jan 03 j 02:06	24°♋49'56	4.37087 AU	retrograde	-6626 Apr 22 j 02:16	13°♒32'46	
direct	-6631 Mar 05 j 15:16	19°♋54'31		opposition	-6626 Jun 21 j 18:14	8°♒30'45	-0°53'57
	-6631 Jun 03 j 11:08	0°♒		min. Earth dist.	-6626 Jun 21 j 00:39	8°♒36'35	4.04536 AU
evening set	-6631 Jul 11 j 07:10	7°♒54'43		direct	-6626 Aug 19 j 06:45	3°♒37'22	
					-6626 Nov 17 j 07:47	15°♒	

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Attention, astronomical year style is used: The year -6626 in astronomical counting style is the year 6627 BCE in historical counting style.

evening set	-6626 Dec 21 j 05:19	22° ℓ 41'28		conjunction	-6620 Jun 27 j 02:29	14° ♄ 16'47	0°44'28
				minimum elong	-6620 Jun 27 j 02:26	14° ♄ 16'45	0°44'43
conjunction	-6625 Jan 03 j 12:27	25° ℓ 50'09	-0°58'47		-6620 Jun 30 j 08:49	15° ♄	
minimum elong	-6625 Jan 03 j 12:23	25° ℓ 50'06	0°59'07	morning rise	-6620 Jul 10 j 02:04	17° ♄ 08'21	
max. Earth dist.	-6625 Jan 04 j 22:48	26° ℓ 10'29	6.03503 AU		-6620 Sep 14 j 17:17	0° ♄	
morning rise	-6625 Jan 16 j 22:49	29° ℓ 00'35		retrograde	-6620 Nov 07 j 09:52	4° ♄ 15'57	
	-6625 Jan 21 j 04:19	0° ♄			-6619 Jan 01 j 20:54	30° ♄	
retrograde	-6625 May 28 j 21:15	19° ♄ 10'22		opposition	-6619 Jan 06 j 14:39	29° ♄ 23'24	1°32'45
opposition	-6625 Jul 27 j 21:18	14° ♄ 05'39	-1°55'08	min. Earth dist.	-6619 Jan 07 j 13:14	29° ♄ 16'07	4.36951 AU
min. Earth dist.	-6625 Jul 26 j 19:44	14° ♄ 14'19	4.04126 AU	direct	-6619 Mar 10 j 01:50	24° ♄ 21'06	
direct	-6625 Sep 23 j 23:13	9° ♄ 09'55			-6619 May 13 j 21:10	0° ♄	
evening set	-6624 Jan 26 j 23:38	28° ♄ 20'36		evening set	-6619 Jul 15 j 16:45	12° ♄ 21'37	
	-6624 Feb 03 j 01:56	0° ♄		max. Earth dist.	-6619 Jul 26 j 21:19	14° ♄ 50'15	6.36238 AU
conjunction	-6624 Feb 09 j 13:02	1° ♄ 30'46	-1°27'02	conjunction	-6619 Jul 28 j 10:25	15° ♄ 10'52	1°18'46
minimum elong	-6624 Feb 09 j 13:00	1° ♄ 30'45	1°27'29	minimum elong	-6619 Jul 28 j 10:21	15° ♄ 10'50	1°19'11
max. Earth dist.	-6624 Feb 11 j 07:08	1° ♄ 55'24	6.05967 AU	morning rise	-6619 Aug 10 j 01:10	17° ♄ 58'44	
morning rise	-6624 Feb 23 j 05:04	4° ♄ 42'09			-6619 Oct 09 j 17:36	0° ♄	
retrograde	-6624 Jul 02 j 11:15	24° ♄ 29'05		retrograde	-6619 Dec 09 j 03:34	5° ♄ 14'28	
min. Earth dist.	-6624 Aug 29 j 22:26	19° ♄ 32'52	4.09313 AU	opposition	-6618 Feb 07 j 20:08	0° ♄ 23'05	2°08'24
opposition	-6624 Aug 31 j 00:06	19° ♄ 24'06	-2°12'58	min. Earth dist.	-6618 Feb 09 j 00:01	0° ♄ 14'12	4.34522 AU
direct	-6624 Oct 28 j 09:04	14° ♄ 24'55			-6618 Feb 10 j 20:41	30° ♄	
	-6623 Feb 16 j 12:06	0° ♄		direct	-6618 Apr 11 j 09:26	25° ♄ 23'19	
evening set	-6623 Mar 03 j 20:48	3° ♄ 27'47			-6618 Jun 08 j 01:16	0° ♄	
conjunction	-6623 Mar 17 j 14:10	6° ♄ 36'22	-1°23'11	evening set	-6618 Aug 15 j 21:26	13° ♄ 26'21	
minimum elong	-6623 Mar 17 j 14:13	6° ♄ 36'24	1°23'34	max. Earth dist.	-6618 Aug 26 j 20:00	15° ♄ 53'53	6.31445 AU
max. Earth dist.	-6623 Mar 19 j 00:04	6° ♄ 55'48	6.13355 AU	conjunction	-6618 Aug 28 j 09:08	16° ♄ 14'50	1°30'39
morning rise	-6623 Mar 31 j 08:19	9° ♄ 45'08		minimum elong	-6618 Aug 28 j 09:08	16° ♄ 14'50	1°31'04
	-6623 Apr 23 j 22:33	15° ♄		morning rise	-6618 Sep 09 j 19:21	19° ♄ 02'41	
retrograde	-6623 Aug 05 j 11:54	28° ♄ 43'08			-6618 Nov 02 j 00:50	0° ♄	
opposition	-6623 Oct 03 j 17:53	23° ♄ 40'21	-1°43'28	retrograde	-6617 Jan 11 j 00:03	6° ♄ 48'25	
min. Earth dist.	-6623 Oct 03 j 02:26	23° ♄ 45'37	4.18088 AU	opposition	-6617 Mar 13 j 03:06	1° ♄ 56'10	2°07'20
direct	-6623 Dec 02 j 04:06	18° ♄ 38'08		min. Earth dist.	-6617 Mar 14 j 02:31	1° ♄ 48'44	4.27714 AU
	-6622 Mar 05 j 12:08	0° ♄			-6617 Mar 28 j 19:20	30° ♄	
evening set	-6622 Apr 08 j 18:05	7° ♄ 22'03		direct	-6617 May 14 j 00:32	26° ♄ 59'20	
conjunction	-6622 Apr 22 j 11:30	10° ♄ 26'41	-0°50'48		-6617 Jun 28 j 09:57	0° ♄	
minimum elong	-6622 Apr 22 j 11:34	10° ♄ 26'43	0°50'59	evening set	-6617 Sep 15 j 08:08	15° ♄	
max. Earth dist.	-6622 Apr 23 j 02:43	10° ♄ 35'13	6.22878 AU		-6617 Sep 16 j 06:35	15° ♄ 12'47	
morning rise	-6622 May 06 j 03:25	13° ♄ 30'24		conjunction	-6617 Sep 28 j 18:01	18° ♄ 04'26	1°15'46
	-6622 Aug 06 j 11:11	0° ♄		minimum elong	-6617 Sep 28 j 18:05	18° ♄ 04'28	1°16'06
retrograde	-6622 Sep 06 j 20:57	1° ♄ 34'40		max. Earth dist.	-6617 Sep 27 j 17:06	17° ♄ 50'06	6.23183 AU
	-6622 Oct 08 j 03:15	30° ♄		morning rise	-6617 Oct 11 j 05:32	20° ♄ 56'20	
opposition	-6622 Nov 05 j 05:26	26° ♄ 35'35	-0°41'29		-6617 Nov 22 j 04:31	0° ♄	
min. Earth dist.	-6622 Nov 05 j 02:49	26° ♄ 36'28	4.27405 AU	retrograde	-6616 Feb 14 j 11:54	9° ♄ 27'34	
direct	-6621 Jan 04 j 21:09	21° ♄ 31'43		opposition	-6616 Apr 15 j 17:42	4° ♄ 32'44	1°26'38
	-6621 Mar 25 j 23:00	0° ♄		min. Earth dist.	-6616 Apr 16 j 06:15	4° ♄ 28'43	4.18472 AU
evening set	-6621 May 13 j 02:51	9° ♄ 54'34			-6616 May 31 j 11:28	30° ♄	
conjunction	-6621 May 26 j 14:56	12° ♄ 53'36	-0°03'10	direct	-6616 Jun 15 j 12:51	29° ♄ 38'32	
minimum elong	-6621 May 26 j 14:56	12° ♄ 53'36	0°03'07		-6616 Jun 30 j 12:53	0° ♄	
behind sun begin	-6621 May 26 j 06:45	12° ♄ 49'05		evening set	-6616 Oct 17 j 14:34	18° ♄ 08'08	
behind sun end	-6621 May 26 j 23:08	12° ♄ 58'07		conjunction	-6616 Oct 30 j 06:53	21° ♄ 05'53	0°36'27
max. Earth dist.	-6621 May 26 j 05:51	12° ♄ 48'35	6.31349 AU	minimum elong	-6616 Oct 30 j 06:56	21° ♄ 05'55	0°36'34
morning rise	-6621 Jun 09 j 00:12	15° ♄ 51'05		max. Earth dist.	-6616 Oct 29 j 23:55	21° ♄ 01'49	6.13838 AU
asc. node	-6621 Jun 20 j 12:49	18° ♄ 21'48		morning rise	-6616 Nov 12 j 01:21	24° ♄ 04'53	
	-6621 Aug 23 j 01:56	0° ♄			-6616 Dec 08 j 04:57	0° ♄	
retrograde	-6621 Oct 08 j 07:29	3° ♄ 15'24		retrograde	-6615 Mar 21 j 09:00	13° ♄ 26'05	
	-6621 Nov 24 j 00:25	30° ♄		opposition	-6615 May 21 j 11:34	8° ♄ 27'23	0°15'07
opposition	-6621 Dec 06 j 23:01	28° ♄ 20'06	0°30'47	min. Earth dist.	-6615 May 21 j 07:05	8° ♄ 28'51	4.09682 AU
min. Earth dist.	-6621 Dec 07 j 11:41	28° ♄ 15'56	4.34353 AU	direct	-6615 Jul 19 j 22:33	3° ♄ 34'29	
direct	-6620 Feb 06 j 19:12	23° ♄ 16'15		desc. node	-6615 Aug 03 j 22:14	3° ♄ 56'43	
	-6620 Apr 17 j 21:38	0° ♄		evening set	-6615 Nov 20 j 12:56	22° ♄ 23'07	
evening set	-6620 Jun 13 j 23:18	11° ♄ 23'28		conjunction	-6615 Dec 03 j 13:14	25° ♄ 27'34	-0°16'26
max. Earth dist.	-6620 Jun 25 j 23:19	14° ♄ 01'49	6.36222 AU	minimum elong	-6615 Dec 03 j 13:12	25° ♄ 27'33	0°16'36

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Attention, astronomical year style is used: The year -6615 in astronomical counting style is the year 6616 BCE in historical counting style.

max. Earth dist.	-6615 Dec 04 j 06:27	25° \mathfrak{A} 37'45	6.06450 AU	max. Earth dist.	-6609 May 30 j 19:11	17° Υ 20'23	6.32011 AU
morning rise	-6615 Dec 16 j 16:33	28° \mathfrak{A} 33'47		morning rise	-6609 Jun 13 j 13:47	20° Υ 22'58	
	-6615 Dec 22 j 20:04	0° \mathfrak{M}			-6609 Jul 30 j 08:05	0° \mathfrak{B}	
	-6614 Mar 09 j 09:16	15° \mathfrak{M}		retrograde	-6609 Oct 12 j 15:24	7° \mathfrak{B} 44'24	
retrograde	-6614 Apr 27 j 05:33	18° \mathfrak{M} 32'49		opposition	-6609 Dec 11 j 09:03	2° \mathfrak{B} 49'34	0°40'29
	-6614 Jun 15 j 08:58	15° \mathfrak{R} \mathfrak{M}		min. Earth dist.	-6609 Dec 11 j 22:14	2° \mathfrak{B} 45'15	4.34791 AU
opposition	-6614 Jun 26 j 18:34	13° \mathfrak{M} 30'20	-1°04'11		-6608 Jan 03 j 07:50	30° \mathfrak{R} Υ	
min. Earth dist.	-6614 Jun 26 j 00:25	13° \mathfrak{M} 36'23	4.04425 AU	direct	-6608 Feb 11 j 06:23	27° Υ 45'55	
direct	-6614 Aug 24 j 05:46	8° \mathfrak{M} 36'44			-6608 Mar 21 j 14:34	0° \mathfrak{B}	
	-6614 Oct 27 j 23:03	15° \mathfrak{M}			-6608 Jun 14 j 11:35	15° \mathfrak{B}	
evening set	-6614 Dec 26 j 05:20	27° \mathfrak{M} 41'26		evening set	-6608 Jun 18 j 11:29	15° \mathfrak{B} 52'19	
	-6613 Jan 05 j 00:07	0° \mathfrak{A}		max. Earth dist.	-6608 Jun 30 j 07:42	18° \mathfrak{B} 28'42	6.36397 AU
conjunction	-6613 Jan 08 j 13:15	0° \mathfrak{A} 50'21	-1°04'18	conjunction	-6608 Jul 01 j 13:10	18° \mathfrak{B} 44'58	0°50'18
minimum elong	-6613 Jan 08 j 13:11	0° \mathfrak{A} 50'18	1°04'39	minimum elong	-6608 Jul 01 j 13:06	18° \mathfrak{B} 44'56	0°50'36
max. Earth dist.	-6613 Jan 10 j 00:20	1° \mathfrak{A} 11'06	6.03718 AU	morning rise	-6608 Jul 14 j 11:31	21° \mathfrak{B} 35'56	
morning rise	-6613 Jan 22 j 00:38	4° \mathfrak{A} 01'03			-6608 Aug 23 j 21:17	0° \mathfrak{I}	
retrograde	-6613 Jun 02 j 19:04	24° \mathfrak{A} 09'00		retrograde	-6608 Nov 11 j 21:08	8° \mathfrak{I} 43'31	
opposition	-6613 Aug 01 j 18:20	19° \mathfrak{A} 04'07	-2°00'26	opposition	-6607 Jan 11 j 02:13	3° \mathfrak{I} 51'16	1°39'37
min. Earth dist.	-6613 Jul 31 j 15:40	19° \mathfrak{A} 13'10	4.04672 AU	min. Earth dist.	-6607 Jan 12 j 02:30	3° \mathfrak{I} 43'27	4.36868 AU
direct	-6613 Sep 28 j 19:02	14° \mathfrak{A} 07'57			-6607 Feb 14 j 09:54	30° \mathfrak{R} \mathfrak{B}	
	-6612 Jan 17 j 16:10	0° \mathfrak{B}		direct	-6607 Mar 14 j 15:25	28° \mathfrak{B} 49'15	
evening set	-6612 Feb 01 j 01:02	3° \mathfrak{B} 18'06			-6607 Apr 11 j 23:57	0° \mathfrak{I}	
				evening set	-6607 Jul 20 j 02:21	16° \mathfrak{I} 49'37	
conjunction	-6612 Feb 14 j 15:08	6° \mathfrak{B} 28'12	-1°28'28	max. Earth dist.	-6607 Jul 31 j 05:45	19° \mathfrak{I} 17'48	6.35876 AU
minimum elong	-6612 Feb 14 j 15:07	6° \mathfrak{B} 28'11	1°28'53				
max. Earth dist.	-6612 Feb 16 j 08:07	6° \mathfrak{B} 52'08	6.06775 AU	conjunction	-6607 Aug 01 j 19:00	19° \mathfrak{I} 38'32	1°21'56
morning rise	-6612 Feb 28 j 07:36	9° \mathfrak{B} 39'22		minimum elong	-6607 Aug 01 j 18:57	19° \mathfrak{I} 38'30	1°22'21
retrograde	-6612 Jul 07 j 06:04	29° \mathfrak{B} 20'59		morning rise	-6607 Aug 14 j 08:47	22° \mathfrak{I} 26'08	
opposition	-6612 Sep 04 j 17:00	24° \mathfrak{B} 16'11	-2°11'32		-6607 Sep 19 j 03:08	0° \mathfrak{B}	
min. Earth dist.	-6612 Sep 03 j 17:20	24° \mathfrak{B} 24'17	4.10289 AU	retrograde	-6607 Dec 13 j 15:11	9° \mathfrak{B} 44'32	
direct	-6612 Nov 02 j 05:30	19° \mathfrak{B} 16'34		opposition	-6606 Feb 12 j 10:17	4° \mathfrak{B} 53'04	2°10'36
	-6611 Jan 29 j 19:40	0° \approx		min. Earth dist.	-6606 Feb 13 j 13:03	4° \mathfrak{B} 44'33	4.33916 AU
evening set	-6611 Mar 08 j 20:26	8° \approx 17'47			-6606 Apr 07 j 13:57	30° \mathfrak{R} \mathfrak{I}	
				direct	-6606 Apr 15 j 21:13	29° \mathfrak{I} 53'41	
conjunction	-6611 Mar 22 j 14:13	11° \approx 26'04	-1°20'12		-6606 Apr 24 j 05:58	0° \mathfrak{B}	
minimum elong	-6611 Mar 22 j 14:17	11° \approx 26'07	1°20'33	evening set	-6606 Aug 20 j 06:14	17° \mathfrak{B} 57'15	
max. Earth dist.	-6611 Mar 23 j 22:35	11° \approx 44'35	6.14432 AU	max. Earth dist.	-6606 Aug 31 j 06:18	20° \mathfrak{B} 25'58	6.30621 AU
morning rise	-6611 Apr 05 j 08:18	14° \approx 34'22					
	-6611 Apr 07 j 05:33	15° \approx		conjunction	-6606 Sep 01 j 17:31	20° \mathfrak{B} 45'52	1°30'11
	-6611 Jun 23 j 20:58	0° \mathfrak{H}		minimum elong	-6606 Sep 01 j 17:31	20° \mathfrak{B} 45'53	1°30'37
retrograde	-6611 Aug 10 j 00:49	3° \mathfrak{H} 25'41		morning rise	-6606 Sep 14 j 03:27	23° \mathfrak{B} 33'57	
	-6611 Sep 26 j 05:25	30° \mathfrak{R} \approx			-6606 Oct 13 j 18:03	0° \mathfrak{Q}	
opposition	-6611 Oct 08 j 06:37	28° \approx 23'26	-1°36'25	retrograde	-6605 Jan 15 j 17:49	11° \mathfrak{Q} 24'37	
min. Earth dist.	-6611 Oct 07 j 16:11	28° \approx 28'20	4.19167 AU	opposition	-6605 Mar 17 j 21:06	6° \mathfrak{Q} 32'06	2°03'56
direct	-6611 Dec 06 j 19:34	23° \approx 20'57		min. Earth dist.	-6605 Mar 18 j 20:15	6° \mathfrak{Q} 24'45	4.26694 AU
	-6610 Feb 13 j 10:48	0° \mathfrak{H}		direct	-6605 May 18 j 16:44	1° \mathfrak{Q} 35'39	
evening set	-6610 Apr 13 j 14:16	12° \mathfrak{H} 03'00			-6605 Aug 30 j 01:02	15° \mathfrak{Q}	
				evening set	-6605 Sep 20 j 16:48	19° \mathfrak{Q} 50'23	
conjunction	-6610 Apr 27 j 07:11	15° \mathfrak{H} 07'04	-0°44'46	max. Earth dist.	-6605 Oct 02 j 04:33	22° \mathfrak{Q} 28'49	6.22041 AU
minimum elong	-6610 Apr 27 j 07:14	15° \mathfrak{H} 07'06	0°44'56				
max. Earth dist.	-6610 Apr 27 j 17:38	15° \mathfrak{H} 12'55	6.23891 AU	conjunction	-6605 Oct 03 j 04:33	22° \mathfrak{Q} 42'39	1°11'36
morning rise	-6610 May 10 j 22:38	18° \mathfrak{H} 10'09		minimum elong	-6605 Oct 03 j 04:37	22° \mathfrak{Q} 42'41	1°11'53
	-6610 Jul 08 j 07:20	0° Υ		morning rise	-6605 Oct 15 j 16:51	25° \mathfrak{Q} 35'21	
retrograde	-6610 Sep 11 j 08:08	6° Υ 08'58			-6605 Nov 04 j 07:38	0° \mathfrak{N}	
opposition	-6610 Nov 09 j 15:55	1° Υ 10'26	-0°31'35	retrograde	-6604 Feb 19 j 07:56	14° \mathfrak{N} 12'58	
min. Earth dist.	-6610 Nov 09 j 16:09	1° Υ 10'21	4.28267 AU	opposition	-6604 Apr 20 j 15:12	9° \mathfrak{N} 17'35	1°18'09
	-6610 Nov 18 j 12:24	30° \mathfrak{R} \mathfrak{H}		min. Earth dist.	-6604 Apr 21 j 00:58	9° \mathfrak{N} 14'27	4.17274 AU
direct	-6609 Jan 09 j 12:18	26° \mathfrak{H} 06'29		direct	-6604 Jun 20 j 05:31	4° \mathfrak{N} 23'36	
	-6609 Mar 02 j 13:19	0° Υ		evening set	-6604 Oct 22 j 04:57	22° \mathfrak{N} 55'24	
asc. node	-6609 Apr 30 j 08:26	10° Υ 41'46					
evening set	-6609 May 17 j 18:33	14° Υ 27'51		conjunction	-6604 Nov 03 j 22:21	25° \mathfrak{N} 54'06	0°29'34
				minimum elong	-6604 Nov 03 j 22:24	25° \mathfrak{N} 54'07	0°29'39
conjunction	-6609 May 31 j 05:49	17° Υ 26'15	0°03'55	max. Earth dist.	-6604 Nov 03 j 19:19	25° \mathfrak{N} 52'19	6.12702 AU
minimum elong	-6609 May 31 j 05:48	17° Υ 26'14	0°04'01	morning rise	-6604 Nov 16 j 17:50	28° \mathfrak{N} 54'05	
behind sun begin	-6609 May 30 j 21:42	17° Υ 21'46			-6604 Nov 21 j 11:26	0° \mathfrak{A}	
behind sun end	-6609 May 31 j 13:54	17° Υ 30'42		retrograde	-6603 Mar 26 j 11:46	18° \mathfrak{A} 21'22	

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Attention, astronomical year style is used: The year -6603 in astronomical counting style is the year 6604 BCE in historical counting style.

opposition	-6603 May 26 j 11:45	13° Ω 22'08	0°03'55	direct	-6597 Jan 14 j 04:18	0° Υ 46'34	
min. Earth dist.	-6603 May 26 j 06:19	13° Ω 23'54	4.08692 AU	asc. node	-6597 Mar 09 j 10:21	4° Υ 57'10	
desc. node	-6603 Jun 14 j 15:07	10° Ω 58'42		evening set	-6597 May 22 j 11:59	19° Υ 04'47	
direct	-6603 Jul 24 j 19:58	8° Ω 29'11					
evening set	-6603 Nov 25 j 09:11	27° Ω 20'26		conjunction	-6597 Jun 04 j 21:50	22° Υ 02'11	0°10'54
	-6603 Dec 06 j 15:08	0° \mathbb{M}		minimum elong	-6597 Jun 04 j 21:50	22° Υ 02'10	0°11'01
				behind sun begin	-6597 Jun 04 j 15:44	21° Υ 58'49	
conjunction	-6603 Dec 08 j 10:30	0° \mathbb{M} 25'41	-0°23'50	behind sun end	-6597 Jun 05 j 03:55	22° Υ 05'31	
minimum elong	-6603 Dec 08 j 10:28	0° \mathbb{M} 25'40	0°24'00	max. Earth dist.	-6597 Jun 04 j 07:48	21° Υ 54'26	6.33134 AU
max. Earth dist.	-6603 Dec 09 j 05:26	0° \mathbb{M} 36'54	6.05685 AU	morning rise	-6597 Jun 18 j 04:39	24° Υ 57'56	
morning rise	-6603 Dec 21 j 15:13	3° \mathbb{M} 32'47			-6597 Jul 11 j 16:06	0° \mathcal{B}	
	-6602 Feb 12 j 04:02	15° \mathbb{M}		retrograde	-6597 Oct 17 j 01:31	12° \mathcal{B} 14'53	
retrograde	-6602 May 02 j 07:17	23° \mathbb{M} 35'22		opposition	-6597 Dec 15 j 20:16	7° \mathcal{B} 20'28	0°49'56
opposition	-6602 Jul 01 j 19:12	18° \mathbb{M} 32'25	-1°14'02	min. Earth dist.	-6597 Dec 16 j 11:31	7° \mathcal{B} 15'29	4.35763 AU
min. Earth dist.	-6602 Jun 30 j 22:48	18° \mathbb{M} 39'13	4.03983 AU	direct	-6596 Feb 15 j 21:47	2° \mathcal{B} 16'58	
	-6602 Jul 31 j 13:09	15° $\mathcal{R}\mathbb{M}$			-6596 May 28 j 21:31	15° \mathcal{B}	
direct	-6602 Aug 29 j 02:38	13° \mathbb{M} 38'31		evening set	-6596 Jun 22 j 23:16	20° \mathcal{B} 20'22	
	-6602 Sep 26 j 15:19	15° \mathbb{M}					
	-6602 Dec 19 j 11:10	0° \mathcal{A}		conjunction	-6596 Jul 05 j 23:40	23° \mathcal{B} 12'09	0°55'48
evening set	-6602 Dec 31 j 06:54	2° \mathcal{A} 45'17		minimum elong	-6596 Jul 05 j 23:36	23° \mathcal{B} 12'07	0°56'08
				max. Earth dist.	-6596 Jul 04 j 18:17	22° \mathcal{B} 55'56	6.37142 AU
conjunction	-6601 Jan 13 j 15:50	5° \mathcal{A} 54'39	-1°09'24	morning rise	-6596 Jul 18 j 20:27	26° \mathcal{B} 02'12	
minimum elong	-6601 Jan 13 j 15:46	5° \mathcal{A} 54'37	1°09'48		-6596 Aug 06 j 05:44	0° \mathbb{I}	
max. Earth dist.	-6601 Jan 15 j 04:24	6° \mathcal{A} 16'16	6.03614 AU	retrograde	-6596 Nov 16 j 04:09	13° \mathbb{I} 08'00	
morning rise	-6601 Jan 27 j 04:04	9° \mathcal{A} 05'44		opposition	-6595 Jan 15 j 12:57	8° \mathbb{I} 15'56	1°45'44
retrograde	-6601 Jun 07 j 20:17	29° \mathcal{A} 12'58		min. Earth dist.	-6595 Jan 16 j 13:00	8° \mathbb{I} 08'13	4.37350 AU
opposition	-6601 Aug 06 j 17:12	24° \mathcal{A} 07'53	-2°04'58	direct	-6595 Mar 19 j 02:31	3° \mathbb{I} 14'17	
min. Earth dist.	-6601 Aug 05 j 15:09	24° \mathcal{A} 16'45	4.04917 AU	evening set	-6595 Jul 24 j 09:55	21° \mathbb{I} 12'26	
direct	-6601 Oct 03 j 19:13	19° \mathcal{A} 11'13		max. Earth dist.	-6595 Aug 04 j 11:12	23° \mathbb{I} 39'34	6.36038 AU
	-6601 Dec 30 j 14:35	0° \mathcal{B}					
evening set	-6600 Feb 06 j 05:12	8° \mathcal{B} 21'54		conjunction	-6595 Aug 06 j 01:18	24° \mathbb{I} 00'46	1°24'31
				minimum elong	-6595 Aug 06 j 01:16	24° \mathbb{I} 00'45	1°24'56
conjunction	-6600 Feb 19 j 20:07	11° \mathcal{B} 32'04	-1°29'15	morning rise	-6595 Aug 18 j 14:13	26° \mathbb{I} 47'56	
minimum elong	-6600 Feb 19 j 20:07	11° \mathcal{B} 32'04	1°29'41		-6595 Sep 02 j 05:46	0° \mathcal{E}	
max. Earth dist.	-6600 Feb 21 j 13:46	11° \mathcal{B} 56'19	6.07343 AU	retrograde	-6595 Dec 18 j 02:04	14° \mathcal{E} 07'34	
morning rise	-6600 Mar 04 j 13:04	14° \mathcal{B} 43'10		opposition	-6594 Feb 16 j 22:20	9° \mathcal{E} 16'06	2°11'52
	-6600 May 19 j 13:50	0° \approx		min. Earth dist.	-6594 Feb 18 j 02:13	9° \mathcal{E} 07'14	4.33731 AU
retrograde	-6600 Jul 12 j 03:03	4° \approx 19'47		direct	-6594 Apr 20 j 09:53	4° \mathcal{E} 17'05	
	-6600 Sep 04 j 00:51	30° $\mathcal{R}\mathcal{B}$		evening set	-6594 Aug 24 j 11:47	22° \mathcal{E} 19'50	
opposition	-6600 Sep 09 j 12:15	29° \mathcal{B} 15'14	-2°09'09	max. Earth dist.	-6594 Sep 04 j 11:41	24° \mathcal{E} 48'40	6.30097 AU
min. Earth dist.	-6600 Sep 08 j 13:00	29° \mathcal{B} 23'11	4.11127 AU				
direct	-6600 Nov 07 j 02:25	24° \mathcal{B} 15'10		conjunction	-6594 Sep 05 j 22:46	25° \mathcal{E} 08'31	1°29'11
	-6599 Jan 08 j 06:07	0° \approx		minimum elong	-6594 Sep 05 j 22:47	25° \mathcal{E} 08'31	1°29'36
evening set	-6599 Mar 13 j 23:28	13° \approx 15'09		morning rise	-6594 Sep 18 j 08:35	27° \mathcal{E} 56'46	
	-6599 Mar 21 j 15:45	15° \approx			-6594 Sep 27 j 13:11	0° \mathcal{O}	
					-6594 Dec 27 j 13:55	15° \mathcal{O}	
conjunction	-6599 Mar 27 j 17:21	16° \approx 23'05	-1°16'33	retrograde	-6593 Jan 20 j 05:32	15° \mathcal{O} 51'34	
minimum elong	-6599 Mar 27 j 17:26	16° \approx 23'08	1°16'53		-6593 Feb 13 j 00:14	15° $\mathcal{R}\mathcal{O}$	
max. Earth dist.	-6599 Mar 28 j 22:09	16° \approx 39'31	6.15479 AU	opposition	-6593 Mar 22 j 11:19	10° \mathcal{O} 58'46	1°59'51
morning rise	-6599 Apr 10 j 11:35	19° \approx 30'57		min. Earth dist.	-6593 Mar 23 j 08:49	10° \mathcal{O} 51'57	4.25853 AU
	-6599 May 30 j 01:47	0° \mathcal{H}		direct	-6593 May 23 j 03:12	6° \mathcal{O} 02'41	
retrograde	-6599 Aug 14 j 17:12	8° \mathcal{H} 15'27			-6593 Aug 12 j 17:29	15° \mathcal{O}	
opposition	-6599 Oct 12 j 22:25	3° \mathcal{H} 13'38	-1°28'31	evening set	-6593 Sep 24 j 23:41	24° \mathcal{O} 18'30	
min. Earth dist.	-6599 Oct 12 j 09:59	3° \mathcal{H} 17'52	4.20320 AU				
	-6599 Nov 07 j 21:07	30° $\mathcal{R}\approx$		conjunction	-6593 Oct 07 j 11:54	27° \mathcal{O} 11'25	1°07'07
direct	-6599 Dec 11 j 15:52	28° \approx 10'51		minimum elong	-6593 Oct 07 j 11:58	27° \mathcal{O} 11'27	1°07'22
	-6598 Jan 14 j 20:49	0° \mathcal{H}		max. Earth dist.	-6593 Oct 06 j 13:49	26° \mathcal{O} 58'40	6.20967 AU
evening set	-6598 Apr 18 j 12:52	16° \mathcal{H} 50'23			-6593 Oct 19 j 16:18	0° \mathbb{P}	
				morning rise	-6593 Oct 20 j 00:49	0° \mathbb{P} 04'53	
conjunction	-6598 May 02 j 05:29	19° \mathcal{H} 53'47	-0°38'19	retrograde	-6592 Feb 24 j 03:16	18° \mathbb{P} 48'56	
minimum elong	-6598 May 02 j 05:32	19° \mathcal{H} 53'49	0°38'26	opposition	-6592 Apr 25 j 09:02	13° \mathbb{P} 53'10	1°09'26
max. Earth dist.	-6598 May 02 j 15:02	19° \mathcal{H} 59'07	6.25116 AU	min. Earth dist.	-6592 Apr 25 j 18:32	13° \mathbb{P} 50'06	4.16012 AU
morning rise	-6598 May 15 j 20:01	22° \mathcal{H} 56'02		direct	-6592 Jun 24 j 20:34	8° \mathbb{P} 59'23	
	-6598 Jun 17 j 20:46	0° Υ		evening set	-6592 Oct 26 j 16:17	27° \mathbb{P} 34'08	
retrograde	-6598 Sep 15 j 19:37	10° Υ 48'26			-6592 Nov 06 j 01:06	0° \mathcal{A}	
opposition	-6598 Nov 14 j 04:50	5° Υ 50'28	-0°21'18				
min. Earth dist.	-6598 Nov 14 j 05:53	5° Υ 50'07	4.29477 AU	conjunction	-6592 Nov 08 j 10:41	0° \mathcal{A} 33'51	0°22'43

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Attention, astronomical year style is used: The year -6592 in astronomical counting style is the year 6593 BCE in historical counting style.

minimum elong	-6592 Nov 08 j 10:43	0°♄33'52	0°22'45	opposition	-6586 Nov 18 j 16:28	10°♃27'45	-0°10'58
max. Earth dist.	-6592 Nov 08 j 08:50	0°♄32'46	6.11380 AU	min. Earth dist.	-6586 Nov 18 j 19:37	10°♃26'42	4.30702 AU
morning rise	-6592 Nov 21 j 07:31	3°♄35'00		asc. node	-6585 Jan 16 j 20:40	5°♃24'05	
retrograde	-6591 Mar 31 j 09:58	23°♄09'20		direct	-6585 Jan 18 j 20:25	5°♃23'43	
desc. node	-6591 Apr 27 j 06:09	22°♄02'17		evening set	-6585 May 27 j 03:34	23°♃38'47	
opposition	-6591 May 31 j 08:43	18°♄09'39	-0°06'59				
min. Earth dist.	-6591 May 31 j 00:50	18°♄12'14	4.07433 AU	conjunction	-6585 Jun 09 j 12:18	26°♃35'16	0°17'47
direct	-6591 Jul 29 j 11:28	13°♄16'43		minimum elong	-6585 Jun 09 j 12:17	26°♃35'15	0°17'56
	-6591 Nov 20 j 17:49	0°♄		max. Earth dist.	-6585 Jun 08 j 20:54	26°♃26'47	6.34127 AU
evening set	-6591 Nov 30 j 03:35	2°♄12'08		morning rise	-6585 Jun 22 j 17:35	29°♃30'01	
					-6585 Jun 25 j 00:24	0°♄	
conjunction	-6591 Dec 13 j 06:06	5°♄18'23	-0°30'51		-6585 Sep 18 j 05:07	15°♄	
minimum elong	-6591 Dec 13 j 06:03	5°♄18'21	0°31'03	retrograde	-6585 Oct 21 j 09:10	16°♄43'17	
max. Earth dist.	-6591 Dec 14 j 03:24	5°♄31'01	6.04608 AU		-6585 Nov 23 j 15:00	15°♄	
morning rise	-6591 Dec 26 j 11:58	8°♄26'29					
	-6590 Jan 24 j 04:47	15°♄		opposition	-6585 Dec 20 j 06:32	11°♄49'15	0°59'04
retrograde	-6590 May 07 j 09:08	28°♄34'03		min. Earth dist.	-6585 Dec 20 j 22:59	11°♄43'54	4.36446 AU
opposition	-6590 Jul 06 j 17:55	23°♄30'43	-1°23'07	direct	-6584 Feb 20 j 10:40	6°♄45'56	
min. Earth dist.	-6590 Jul 05 j 21:01	23°♄37'43	4.03208 AU		-6584 May 10 j 09:44	15°♄	
direct	-6590 Sep 02 j 23:27	18°♄36'33		evening set	-6584 Jun 27 j 10:10	24°♄47'25	
	-6590 Dec 01 j 23:21	0°♄		max. Earth dist.	-6584 Jul 09 j 00:22	27°♄20'26	6.37425 AU
evening set	-6589 Jan 05 j 08:04	7°♄47'01		conjunction	-6584 Jul 10 j 09:01	27°♄38'27	1°01'02
				minimum elong	-6584 Jul 10 j 08:57	27°♄38'24	1°01'23
conjunction	-6589 Jan 18 j 18:07	10°♄57'03	-1°13'52		-6584 Jul 21 j 01:53	0°♄	
minimum elong	-6589 Jan 18 j 18:03	10°♄57'01	1°14'16	morning rise	-6584 Jul 23 j 04:39	0°♄27'51	
max. Earth dist.	-6589 Jan 20 j 09:09	11°♄20'07	6.03217 AU	retrograde	-6584 Nov 20 j 14:10	17°♄33'44	
morning rise	-6589 Feb 01 j 07:17	14°♄08'42		opposition	-6583 Jan 20 j 00:18	12°♄41'50	1°51'25
	-6589 Apr 20 j 13:23	0°♄		min. Earth dist.	-6583 Jan 21 j 02:08	12°♄33'33	4.37232 AU
retrograde	-6589 Jun 12 j 21:22	4°♄15'58		direct	-6583 Mar 23 j 15:37	7°♄40'25	
	-6589 Aug 05 j 14:14	30°♄		evening set	-6583 Jul 28 j 18:15	25°♄38'25	
opposition	-6589 Aug 11 j 15:09	29°♄10'51	-2°08'26	max. Earth dist.	-6583 Aug 08 j 19:10	28°♄05'33	6.35510 AU
min. Earth dist.	-6589 Aug 10 j 12:27	29°♄19'57	4.04974 AU				
direct	-6589 Oct 08 j 16:33	24°♄13'47		conjunction	-6583 Aug 10 j 08:52	28°♄26'34	1°26'44
	-6589 Dec 09 j 02:58	0°♄		minimum elong	-6583 Aug 10 j 08:50	28°♄26'33	1°27'09
evening set	-6588 Feb 11 j 09:36	13°♄25'46			-6583 Aug 17 j 08:27	0°♄	
				morning rise	-6583 Aug 22 j 20:52	1°♄13'35	
conjunction	-6588 Feb 25 j 01:06	16°♄36'00	-1°29'18	retrograde	-6583 Dec 22 j 13:41	18°♄36'48	
minimum elong	-6588 Feb 25 j 01:07	16°♄36'00	1°29'44	opposition	-6582 Feb 21 j 12:36	13°♄45'14	2°12'34
max. Earth dist.	-6588 Feb 26 j 17:16	16°♄59'22	6.07829 AU	min. Earth dist.	-6582 Feb 22 j 15:34	13°♄36'40	4.32842 AU
morning rise	-6588 Mar 09 j 18:42	19°♄47'06		direct	-6582 Apr 24 j 21:49	8°♄46'36	
	-6588 Apr 25 j 20:52	0°♄		evening set	-6582 Aug 28 j 20:29	26°♄50'51	
retrograde	-6588 Jul 16 j 23:06	9°♄18'48		max. Earth dist.	-6582 Sep 08 j 20:38	29°♄20'17	6.28907 AU
min. Earth dist.	-6588 Sep 13 j 08:41	4°♄22'10	4.11980 AU				
opposition	-6588 Sep 14 j 07:17	4°♄14'25	-2°05'45	conjunction	-6582 Sep 10 j 07:11	29°♄39'54	1°27'40
	-6588 Oct 21 j 15:45	30°♄		minimum elong	-6582 Sep 10 j 07:13	29°♄39'55	1°28'04
direct	-6588 Nov 12 j 00:35	29°♄13'52			-6582 Sep 11 j 18:35	0°♄	
	-6588 Dec 03 j 14:13	0°♄		morning rise	-6582 Sep 22 j 17:09	2°♄28'42	
	-6587 Mar 04 j 18:31	15°♄			-6582 Nov 23 j 16:59	15°♄	
evening set	-6587 Mar 19 j 02:01	18°♄12'15		retrograde	-6581 Jan 25 j 01:15	20°♄29'59	
				opposition	-6581 Mar 27 j 06:32	15°♄36'51	1°54'58
conjunction	-6587 Apr 01 j 20:13	21°♄19'47	-1°12'21	min. Earth dist.	-6581 Mar 28 j 03:43	15°♄30'07	4.24424 AU
minimum elong	-6587 Apr 01 j 20:18	21°♄19'50	1°12'39		-6581 Apr 01 j 02:39	15°♄	
max. Earth dist.	-6587 Apr 03 j 00:43	21°♄36'01	6.16643 AU	direct	-6581 May 27 j 19:56	10°♄41'05	
morning rise	-6587 Apr 15 j 14:06	24°♄27'01			-6581 Jul 21 j 07:09	15°♄	
	-6587 May 10 j 18:49	0°♄		evening set	-6581 Sep 29 j 11:26	28°♄59'42	
retrograde	-6587 Aug 19 j 08:23	13°♄03'59			-6581 Oct 03 j 20:06	0°♄	
opposition	-6587 Oct 17 j 13:26	8°♄02'37	-1°20'02	max. Earth dist.	-6581 Oct 11 j 04:31	1°♄42'04	6.19439 AU
min. Earth dist.	-6587 Oct 17 j 02:20	8°♄06'22	4.21639 AU				
direct	-6587 Dec 16 j 10:47	2°♄59'33		conjunction	-6581 Oct 12 j 00:22	1°♄53'34	1°02'01
evening set	-6586 Apr 23 j 10:34	21°♄35'44		minimum elong	-6581 Oct 12 j 00:26	1°♄53'36	1°02'15
				morning rise	-6581 Oct 24 j 14:12	4°♄48'06	
conjunction	-6586 May 07 j 02:23	24°♄38'17	-0°31'38	retrograde	-6580 Feb 29 j 02:57	23°♄39'58	
minimum elong	-6586 May 07 j 02:26	24°♄38'18	0°31'42	opposition	-6580 Apr 30 j 08:53	18°♄43'43	0°59'47
max. Earth dist.	-6586 May 07 j 07:58	24°♄41'23	6.26460 AU	min. Earth dist.	-6580 Apr 30 j 15:20	18°♄41'38	4.14512 AU
morning rise	-6586 May 20 j 16:11	27°♄39'37		direct	-6580 Jun 29 j 14:32	13°♄50'12	
	-6586 May 31 j 07:43	0°♄			-6580 Oct 20 j 18:04	0°♄	
retrograde	-6586 Sep 20 j 05:39	15°♄25'18		evening set	-6580 Oct 31 j 10:09	2°♄28'29	

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Attention, astronomical year style is used: The year -6580 in astronomical counting style is the year 6581 BCE in historical counting style.

conjunction	-6580 Nov 13 j 05:37	5°♌29'16	0°15'20		-6574 May 15 j 09:58	0°♑	
minimum elong	-6580 Nov 13 j 05:38	5°♌29'17	0°15'20	morning rise	-6574 May 25 j 07:12	2°♑11'37	
behind sun begin	-6580 Nov 13 j 02:54	5°♌27'40		retrograde	-6574 Sep 24 j 12:52	19°♑51'13	
behind sun end	-6580 Nov 13 j 08:22	5°♌30'53		opposition	-6574 Nov 23 j 00:29	14°♑54'16	-0°00'59
max. Earth dist.	-6580 Nov 13 j 07:11	5°♌30'11	6.10062 AU	min. Earth dist.	-6574 Nov 23 j 06:18	14°♑52'20	4.31790 AU
morning rise	-6580 Nov 26 j 03:42	8°♌31'34		asc. node	-6574 Nov 28 j 07:28	14°♑12'19	
desc. node	-6579 Mar 07 j 02:40	26°♌52'04		direct	-6573 Jan 23 j 08:53	9°♑50'17	
retrograde	-6579 Apr 05 j 15:12	28°♌12'33		evening set	-6573 May 31 j 15:01	28°♑02'56	
opposition	-6579 Jun 05 j 11:44	23°♌12'17	-0°18'29		-6573 Jun 09 j 12:05	0°♌	
min. Earth dist.	-6579 Jun 05 j 01:56	23°♌15'31	4.06435 AU				
direct	-6579 Aug 03 j 11:13	18°♌19'21		conjunction	-6573 Jun 13 j 22:27	0°♌58'39	0°24'20
	-6579 Nov 03 j 03:09	0°♌		minimum elong	-6573 Jun 13 j 22:25	0°♌58'38	0°24'32
evening set	-6579 Dec 05 j 04:01	7°♌17'42		max. Earth dist.	-6573 Jun 13 j 02:44	0°♌47'47	6.34784 AU
				morning rise	-6573 Jun 27 j 02:33	3°♌52'38	
conjunction	-6579 Dec 18 j 07:44	10°♌24'42	-0°38'01		-6573 Aug 21 j 16:22	15°♌	
minimum elong	-6579 Dec 18 j 07:41	10°♌24'40	0°38'15	retrograde	-6573 Oct 25 j 15:07	21°♌03'56	
max. Earth dist.	-6579 Dec 19 j 09:11	10°♌39'48	6.04046 AU	opposition	-6573 Dec 24 j 14:10	16°♌10'18	1°07'37
morning rise	-6579 Dec 31 j 14:47	13°♌33'33		min. Earth dist.	-6573 Dec 25 j 08:42	16°♌04'17	4.36655 AU
	-6578 Jan 06 j 18:14	15°♌			-6572 Jan 02 j 16:26	15°♌	
	-6578 Mar 23 j 17:21	0°♌		direct	-6572 Feb 24 j 20:30	11°♌07'09	
retrograde	-6578 May 12 j 14:04	3°♌43'07			-6572 Apr 17 j 16:35	15°♌	
	-6578 Jul 01 j 18:00	30°♌		evening set	-6572 Jul 01 j 18:24	29°♌08'34	
opposition	-6578 Jul 11 j 20:45	28°♌39'26	-1°31'57		-6572 Jul 05 j 16:07	0°♌	
min. Earth dist.	-6578 Jul 10 j 21:55	28°♌47'06	4.03201 AU	max. Earth dist.	-6572 Jul 13 j 06:48	1°♌40'46	6.37161 AU
direct	-6578 Sep 08 j 00:12	23°♌45'02					
	-6578 Nov 10 j 21:31	0°♌		conjunction	-6572 Jul 14 j 16:07	1°♌59'11	1°05'46
evening set	-6577 Jan 10 j 12:46	12°♌55'59		minimum elong	-6572 Jul 14 j 16:03	1°♌59'09	1°06'07
				morning rise	-6572 Jul 27 j 10:25	4°♌48'11	
conjunction	-6577 Jan 23 j 23:31	16°♌06'05	-1°17'57	retrograde	-6572 Nov 24 j 22:36	21°♌56'16	
minimum elong	-6577 Jan 23 j 23:27	16°♌06'03	1°18'21	opposition	-6571 Jan 24 j 10:37	17°♌04'35	1°56'24
max. Earth dist.	-6577 Jan 25 j 15:05	16°♌29'25	6.03735 AU	min. Earth dist.	-6571 Jan 25 j 13:01	16°♌56'09	4.36534 AU
morning rise	-6577 Feb 06 j 13:32	19°♌17'46		direct	-6571 Mar 28 j 01:34	12°♌03'36	
	-6577 Mar 27 j 09:30	0°♌			-6571 Aug 01 j 19:45	0°♌	
retrograde	-6577 Jun 17 j 20:43	9°♌20'58		evening set	-6571 Aug 02 j 01:51	0°♌03'23	
min. Earth dist.	-6577 Aug 15 j 10:46	4°♌25'01	4.05978 AU	max. Earth dist.	-6571 Aug 13 j 00:16	2°♌29'39	6.34412 AU
opposition	-6577 Aug 16 j 13:56	4°♌15'44	-2°10'58				
	-6577 Sep 23 j 12:55	30°♌		conjunction	-6571 Aug 14 j 15:33	2°♌51'37	1°28'23
direct	-6577 Oct 13 j 17:12	29°♌18'09		minimum elong	-6571 Aug 14 j 15:31	2°♌51'36	1°28'49
	-6577 Nov 03 j 00:03	0°♌		morning rise	-6571 Aug 27 j 03:09	5°♌38'51	
evening set	-6576 Feb 16 j 13:36	18°♌27'42		retrograde	-6571 Dec 27 j 05:01	23°♌07'51	
				opposition	-6570 Feb 26 j 04:06	18°♌16'12	2°12'28
conjunction	-6576 Mar 01 j 05:45	21°♌37'33	-1°28'45	min. Earth dist.	-6570 Feb 27 j 07:07	18°♌07'37	4.31424 AU
minimum elong	-6576 Mar 01 j 05:47	21°♌37'34	1°29'10	direct	-6570 Apr 29 j 11:21	13°♌17'59	
max. Earth dist.	-6576 Mar 02 j 22:36	22°♌01'13	6.09229 AU		-6570 Aug 26 j 22:08	0°♌	
morning rise	-6576 Mar 14 j 23:23	24°♌48'02		evening set	-6570 Sep 02 j 06:01	1°♌25'21	
	-6576 Apr 07 j 02:16	0°♌		max. Earth dist.	-6570 Sep 13 j 08:57	3°♌56'53	6.27300 AU
retrograde	-6576 Jul 21 j 17:08	14°♌11'17					
min. Earth dist.	-6576 Sep 18 j 03:10	9°♌14'22	4.13610 AU	conjunction	-6570 Sep 14 j 16:55	4°♌15'06	1°25'34
opposition	-6576 Sep 19 j 00:04	9°♌07'14	-2°01'31	minimum elong	-6570 Sep 14 j 16:57	4°♌15'07	1°25'56
direct	-6576 Nov 16 j 21:13	4°♌06'16		morning rise	-6570 Sep 27 j 03:02	7°♌04'39	
	-6575 Feb 15 j 01:27	15°♌			-6570 Nov 02 j 18:03	15°♌	
evening set	-6575 Mar 24 j 01:19	23°♌00'24		retrograde	-6569 Jan 29 j 21:35	25°♌13'48	
				opposition	-6569 Apr 01 j 03:43	20°♌20'22	1°49'12
conjunction	-6575 Apr 06 j 19:20	26°♌07'10	-1°07'47	min. Earth dist.	-6569 Apr 01 j 22:20	20°♌14'26	4.22747 AU
minimum elong	-6575 Apr 06 j 19:25	26°♌07'12	1°08'04	direct	-6569 Jun 01 j 11:58	15°♌25'03	
max. Earth dist.	-6575 Apr 07 j 20:06	26°♌21'12	6.18356 AU		-6569 Sep 17 j 09:16	0°♌	
morning rise	-6575 Apr 20 j 13:00	29°♌13'31		evening set	-6569 Oct 04 j 01:38	3°♌47'11	
	-6575 Apr 23 j 23:50	0°♌					
retrograde	-6575 Aug 23 j 17:53	17°♌41'39		conjunction	-6569 Oct 16 j 15:11	6°♌42'00	0°56'22
opposition	-6575 Oct 22 j 00:40	12°♌40'46	-1°11'21	minimum elong	-6569 Oct 16 j 15:15	6°♌42'03	0°56'35
min. Earth dist.	-6575 Oct 21 j 15:21	12°♌43'55	4.23262 AU	max. Earth dist.	-6569 Oct 15 j 22:07	6°♌32'05	6.17849 AU
direct	-6575 Dec 21 j 02:09	7°♌37'27		morning rise	-6569 Oct 29 j 06:05	9°♌37'41	
evening set	-6574 Apr 28 j 03:19	26°♌09'37		retrograde	-6568 Mar 05 j 06:55	28°♌37'28	
				opposition	-6568 May 05 j 11:04	23°♌40'38	0°49'29
conjunction	-6574 May 11 j 18:28	29°♌11'17	-0°25'01	min. Earth dist.	-6568 May 05 j 15:01	23°♌39'21	4.13119 AU
minimum elong	-6574 May 11 j 18:30	29°♌11'18	0°25'03	direct	-6568 Jul 04 j 12:30	18°♌47'18	
max. Earth dist.	-6574 May 11 j 20:58	29°♌12'40	6.27879 AU		-6568 Oct 03 j 01:48	0°♌	

Attention, astronomical year style is used: The year -6568 in astronomical counting style is the year 6569 BCE in historical counting style.

evening set	-6568 Nov 05 j 06:00	7°♎28'30		evening set	-6562 May 02 j 20:42	0°♏44'55	
conjunction	-6568 Nov 18 j 02:42	10°♎30'16	0°07'43	conjunction	-6562 May 16 j 11:03	3°♏45'48	-0°18'13
minimum elong	-6568 Nov 18 j 02:43	10°♎30'16	0°07'40	minimum elong	-6562 May 16 j 11:05	3°♏45'49	0°18'15
behind sun begin	-6568 Nov 17 j 19:22	10°♎25'57		max. Earth dist.	-6562 May 16 j 10:02	3°♏45'14	6.29011 AU
behind sun end	-6568 Nov 18 j 10:03	10°♎34'34		morning rise	-6562 May 29 j 22:48	6°♏45'16	
max. Earth dist.	-6568 Nov 18 j 09:06	10°♎34'01	6.09004 AU	retrograde	-6562 Sep 28 j 19:44	24°♏19'45	
morning rise	-6568 Dec 01 j 02:01	13°♎33'35		asc. node	-6562 Oct 09 j 04:48	24°♏09'08	
desc. node	-6567 Jan 14 j 01:18	23°♎17'01		opposition	-6562 Nov 27 j 09:32	19°♏23'18	0°09'06
	-6567 Feb 22 j 12:32	0°♎		min. Earth dist.	-6562 Nov 27 j 16:52	19°♏20'52	4.32636 AU
retrograde	-6567 Apr 10 j 20:37	3°♎19'40		direct	-6561 Jan 27 j 20:55	14°♏19'17	
	-6567 May 28 j 14:39	30°♎♎			-6561 May 24 j 14:14	0°♎	
opposition	-6567 Jun 10 j 15:51	28°♎18'50	-0°29'57	evening set	-6561 Jun 05 j 03:42	2°♎30'16	
min. Earth dist.	-6567 Jun 10 j 03:24	28°♎22'56	4.05819 AU	max. Earth dist.	-6561 Jun 17 j 11:47	5°♎13'04	6.35281 AU
direct	-6567 Aug 08 j 11:18	23°♎25'50					
	-6567 Oct 13 j 10:33	0°♎		conjunction	-6561 Jun 18 j 09:52	5°♎25'14	0°30'51
evening set	-6567 Dec 10 j 05:34	12°♎25'38		minimum elong	-6561 Jun 18 j 09:49	5°♎25'13	0°31'04
	-6567 Dec 21 j 02:22	15°♎		morning rise	-6561 Jul 01 j 12:35	8°♎18'28	
					-6561 Aug 02 j 04:38	15°♎	
conjunction	-6567 Dec 23 j 10:09	15°♎33'06	-0°44'56	retrograde	-6561 Oct 29 j 23:40	25°♎28'19	
minimum elong	-6567 Dec 23 j 10:05	15°♎33'04	0°45'14	opposition	-6561 Dec 28 j 23:46	20°♎35'05	1°15'56
max. Earth dist.	-6567 Dec 24 j 13:27	15°♎49'18	6.03882 AU	min. Earth dist.	-6561 Dec 29 j 20:12	20°♎28'28	4.36787 AU
morning rise	-6566 Jan 05 j 18:20	18°♎42'27		direct	-6560 Feb 29 j 08:36	15°♎32'11	
	-6566 Feb 26 j 08:13	0°♎♎			-6560 Jun 19 j 16:51	0°♎	
retrograde	-6566 May 17 j 17:02	8°♎♎52'12		evening set	-6560 Jul 06 j 04:00	3°♎♎33'24	
opposition	-6566 Jul 16 j 22:46	3°♎♎48'07	-1°40'04	max. Earth dist.	-6560 Jul 17 j 12:39	6°♎♎03'48	6.36893 AU
min. Earth dist.	-6566 Jul 15 j 22:16	3°♎♎56'22	4.03512 AU				
	-6566 Aug 18 j 09:43	30°♎♎♎		conjunction	-6560 Jul 19 j 00:25	6°♎♎23'35	1°10'15
direct	-6566 Sep 13 j 01:39	28°♎♎53'16		minimum elong	-6560 Jul 19 j 00:21	6°♎♎23'33	1°10'37
	-6566 Oct 08 j 17:56	0°♎♎		morning rise	-6560 Jul 31 j 17:41	9°♎♎12'15	
evening set	-6565 Jan 15 j 17:05	18°♎♎03'48		retrograde	-6560 Nov 29 j 09:27	26°♎♎22'31	
				opposition	-6559 Jan 28 j 22:56	21°♎♎30'57	2°00'50
conjunction	-6565 Jan 29 j 04:47	21°♎♎13'55	-1°21'26	min. Earth dist.	-6559 Jan 30 j 01:43	21°♎♎22'24	4.35923 AU
minimum elong	-6565 Jan 29 j 04:44	21°♎♎13'53	1°21'52	direct	-6559 Apr 01 j 13:13	16°♎♎30'19	
max. Earth dist.	-6565 Jan 30 j 22:38	21°♎♎38'32	6.04472 AU		-6559 Jul 16 j 15:44	0°♎♎	
morning rise	-6565 Feb 11 j 19:16	24°♎♎25'27		evening set	-6559 Aug 06 j 10:39	4°♎♎31'20	
	-6565 Mar 08 j 06:27	0°♎♎♎		max. Earth dist.	-6559 Aug 17 j 10:20	6°♎♎58'38	6.33514 AU
retrograde	-6565 Jun 22 j 20:33	14°♎♎23'37					
min. Earth dist.	-6565 Aug 20 j 09:14	9°♎♎27'20	4.07074 AU	conjunction	-6559 Aug 18 j 23:45	7°♎♎19'37	1°29'36
opposition	-6565 Aug 21 j 11:22	9°♎♎18'25	-2°12'33	minimum elong	-6559 Aug 18 j 23:44	7°♎♎19'37	1°30'02
direct	-6565 Oct 18 j 16:38	4°♎♎20'21		morning rise	-6559 Aug 31 j 10:40	10°♎♎06'58	
evening set	-6564 Feb 21 j 16:47	23°♎♎27'27		retrograde	-6559 Dec 31 j 20:11	27°♎♎40'56	
				opposition	-6558 Mar 02 j 20:37	22°♎♎49'13	2°11'37
conjunction	-6564 Mar 06 j 09:16	26°♎♎36'52	-1°27'37	min. Earth dist.	-6558 Mar 03 j 22:41	22°♎♎40'57	4.30319 AU
minimum elong	-6564 Mar 06 j 09:18	26°♎♎36'53	1°28'01	direct	-6558 May 04 j 01:13	17°♎♎51'30	
max. Earth dist.	-6564 Mar 07 j 23:44	26°♎♎59'05	6.10567 AU		-6558 Aug 10 j 06:48	0°♎♎	
morning rise	-6564 Mar 20 j 03:14	29°♎♎46'50		evening set	-6558 Sep 06 j 16:14	6°♎♎00'44	
	-6564 Mar 21 j 02:14	0°♎♎♎		max. Earth dist.	-6558 Sep 17 j 20:02	8°♎♎33'15	6.26088 AU
	-6564 Jun 04 j 20:44	15°♎♎					
retrograde	-6564 Jul 26 j 07:58	19°♎♎02'04		conjunction	-6558 Sep 19 j 03:02	8°♎♎50'57	1°22'59
	-6564 Sep 16 j 02:10	15°♎♎♎		minimum elong	-6558 Sep 19 j 03:05	8°♎♎50'59	1°23'21
opposition	-6564 Sep 23 j 15:55	13°♎♎58'20	-1°56'34	morning rise	-6558 Oct 01 j 13:39	11°♎♎41'12	
min. Earth dist.	-6564 Sep 22 j 19:48	14°♎♎05'13	4.15067 AU		-6558 Oct 16 j 08:12	15°♎♎	
direct	-6564 Nov 21 j 16:09	8°♎♎56'57		retrograde	-6557 Feb 03 j 19:00	29°♎♎56'52	
	-6563 Jan 25 j 04:31	15°♎♎		opposition	-6557 Apr 06 j 00:58	25°♎♎03'01	1°42'46
evening set	-6563 Mar 29 j 00:02	27°♎♎47'40		min. Earth dist.	-6557 Apr 06 j 17:31	24°♎♎57'44	4.21508 AU
	-6563 Apr 07 j 18:52	0°♎♎♎		direct	-6557 Jun 06 j 05:13	20°♎♎08'03	
					-6557 Aug 30 j 16:54	0°♎♎♎	
conjunction	-6563 Apr 11 j 17:56	0°♎♎53'45	-1°02'50	evening set	-6557 Oct 08 j 14:54	8°♎♎32'06	
minimum elong	-6563 Apr 11 j 18:01	0°♎♎53'48	1°03'04				
max. Earth dist.	-6563 Apr 12 j 15:31	1°♎♎05'57	6.19833 AU	conjunction	-6557 Oct 21 j 05:23	11°♎♎27'47	0°50'28
morning rise	-6563 Apr 25 j 11:08	3°♎♎59'17		minimum elong	-6557 Oct 21 j 05:27	11°♎♎27'50	0°50'38
retrograde	-6563 Aug 28 j 05:54	22°♎♎19'41		max. Earth dist.	-6557 Oct 20 j 16:51	11°♎♎20'30	6.16719 AU
opposition	-6563 Oct 26 j 12:09	17°♎♎19'21	-1°02'17	morning rise	-6557 Nov 02 j 21:09	14°♎♎24'22	
min. Earth dist.	-6563 Oct 26 j 05:47	17°♎♎21'30	4.24616 AU		-6556 Jan 21 j 09:49	0°♎♎	
direct	-6563 Dec 25 j 19:05	12°♎♎15'51		retrograde	-6556 Mar 10 j 07:39	3°♎♎30'17	
	-6562 Apr 29 j 11:04	0°♎♎♎			-6556 Apr 29 j 02:01	30°♎♎♎♎	

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Attention, astronomical year style is used: The year -6556 in astronomical counting style is the year 6557 BCE in historical counting style.

opposition	-6556 May 10 j 11:25	28° \mathbb{M} 32'56	0°39'01	direct	-6551 Dec 30 j 08:26	16° \mathbb{H} 52'10	
min. Earth dist.	-6556 May 10 j 12:59	28° \mathbb{M} 32'26	4.12186 AU		-6550 Apr 12 j 19:07	0° \mathbb{Y}	
direct	-6556 Jul 09 j 08:26	23° \mathbb{M} 39'50		evening set	-6550 May 07 j 13:15	5° \mathbb{Y} 19'28	
	-6556 Sep 12 j 19:37	0° \mathbb{L}					
evening set	-6556 Nov 10 j 00:15	12° \mathbb{L} 22'38		conjunction	-6550 May 21 j 02:42	8° \mathbb{Y} 19'41	-0°11'23
				minimum elong	-6550 May 21 j 02:43	8° \mathbb{Y} 19'41	0°11'22
conjunction	-6556 Nov 22 j 21:48	15° \mathbb{L} 25'05	0°00'09	behind sun begin	-6550 May 20 j 20:47	8° \mathbb{Y} 16'25	
minimum elong	-6556 Nov 22 j 21:49	15° \mathbb{L} 25'05	0°00'06	behind sun end	-6550 May 21 j 08:38	8° \mathbb{Y} 22'58	
behind sun begin	-6556 Nov 22 j 13:59	15° \mathbb{L} 20'29		max. Earth dist.	-6550 May 20 j 21:54	8° \mathbb{Y} 17'02	6.29817 AU
behind sun end	-6556 Nov 23 j 05:40	15° \mathbb{L} 29'42		morning rise	-6550 Jun 03 j 13:31	11° \mathbb{Y} 18'26	
max. Earth dist.	-6556 Nov 23 j 06:24	15° \mathbb{L} 30'08	6.08340 AU	asc. node	-6550 Aug 19 j 23:21	25° \mathbb{Y} 48'42	
desc. node	-6556 Nov 24 j 00:58	15° \mathbb{L} 41'07		retrograde	-6550 Oct 03 j 05:42	28° \mathbb{Y} 49'10	
morning rise	-6556 Dec 05 j 22:28	18° \mathbb{L} 29'16		opposition	-6550 Dec 01 j 19:11	23° \mathbb{Y} 53'14	0°19'04
	-6555 Jan 28 j 00:28	0° \mathbb{M}		min. Earth dist.	-6550 Dec 02 j 05:08	23° \mathbb{Y} 49'57	4.33216 AU
retrograde	-6555 Apr 15 j 21:36	8° \mathbb{M} 19'00		direct	-6549 Feb 01 j 10:45	18° \mathbb{Y} 49'18	
opposition	-6555 Jun 15 j 16:25	3° \mathbb{M} 17'38	-0°40'54		-6549 May 07 j 11:35	0° \mathbb{B}	
min. Earth dist.	-6555 Jun 15 j 01:29	3° \mathbb{M} 22'34	4.05488 AU	evening set	-6549 Jun 09 j 16:19	6° \mathbb{B} 59'12	
	-6555 Jul 13 j 02:33	30° \mathbb{R} \mathbb{L}					
direct	-6555 Aug 13 j 09:12	28° \mathbb{L} 24'28		conjunction	-6549 Jun 22 j 21:17	9° \mathbb{B} 53'31	0°37'10
	-6555 Sep 13 j 10:56	0° \mathbb{M}		minimum elong	-6549 Jun 22 j 21:14	9° \mathbb{B} 53'30	0°37'25
	-6555 Dec 04 j 19:50	15° \mathbb{M}		max. Earth dist.	-6549 Jun 21 j 21:25	9° \mathbb{B} 40'22	6.35589 AU
evening set	-6555 Dec 15 j 04:13	17° \mathbb{M} 25'12		morning rise	-6549 Jul 05 j 22:39	12° \mathbb{B} 46'05	
					-6549 Jul 16 j 04:58	15° \mathbb{B}	
conjunction	-6555 Dec 28 j 09:58	20° \mathbb{M} 33'07	-0°51'20	retrograde	-6549 Nov 03 j 07:42	29° \mathbb{B} 55'04	
minimum elong	-6555 Dec 28 j 09:54	20° \mathbb{M} 33'04	0°51'38	opposition	-6548 Jan 02 j 10:08	25° \mathbb{B} 02'08	1°23'51
max. Earth dist.	-6555 Dec 29 j 16:59	20° \mathbb{M} 51'30	6.03903 AU	min. Earth dist.	-6548 Jan 03 j 06:50	24° \mathbb{B} 55'26	4.36838 AU
morning rise	-6554 Jan 10 j 18:58	23° \mathbb{M} 42'49		direct	-6548 Mar 04 j 19:22	19° \mathbb{B} 59'28	
	-6554 Feb 07 j 06:58	0° \mathbb{J}			-6548 Jun 02 j 06:00	0° \mathbb{I}	
retrograde	-6554 May 22 j 18:26	13° \mathbb{J} 52'07		evening set	-6548 Jul 10 j 13:56	8° \mathbb{I} 00'26	
opposition	-6554 Jul 21 j 21:08	8° \mathbb{J} 47'46	-1°47'10	max. Earth dist.	-6548 Jul 21 j 21:25	10° \mathbb{I} 30'22	6.36677 AU
min. Earth dist.	-6554 Jul 20 j 20:48	8° \mathbb{J} 55'59	4.03896 AU				
direct	-6554 Sep 17 j 23:53	3° \mathbb{J} 52'35		conjunction	-6548 Jul 23 j 09:06	10° \mathbb{I} 50'09	1°14'19
evening set	-6553 Jan 20 j 18:09	23° \mathbb{J} 02'46		minimum elong	-6548 Jul 23 j 09:02	10° \mathbb{I} 50'07	1°14'43
				morning rise	-6548 Aug 05 j 01:12	13° \mathbb{I} 38'24	
conjunction	-6553 Feb 03 j 06:30	26° \mathbb{J} 12'52	-1°24'14		-6548 Nov 10 j 14:42	0° \mathbb{G}	
minimum elong	-6553 Feb 03 j 06:27	26° \mathbb{J} 12'50	1°24'39	retrograde	-6548 Dec 03 j 21:20	0° \mathbb{G} 50'34	
max. Earth dist.	-6553 Feb 04 j 23:30	26° \mathbb{J} 36'55	6.05150 AU		-6548 Dec 27 j 04:20	30° \mathbb{R} \mathbb{I}	
morning rise	-6553 Feb 16 j 21:46	29° \mathbb{J} 24'21		opposition	-6547 Feb 02 j 11:55	25° \mathbb{I} 59'05	2°04'34
	-6553 Feb 19 j 11:07	0° \mathbb{Z}		min. Earth dist.	-6547 Feb 03 j 15:19	25° \mathbb{I} 50'21	4.35456 AU
retrograde	-6553 Jun 27 j 14:39	19° \mathbb{Z} 17'56		direct	-6547 Apr 06 j 02:23	20° \mathbb{I} 58'48	
min. Earth dist.	-6553 Aug 25 j 03:01	14° \mathbb{Z} 21'48	4.07989 AU		-6547 Jun 28 j 19:16	0° \mathbb{G}	
opposition	-6553 Aug 26 j 05:18	14° \mathbb{Z} 12'49	-2°13'10	evening set	-6547 Aug 10 j 19:07	9° \mathbb{G} 00'05	
direct	-6553 Oct 23 j 11:15	9° \mathbb{Z} 14'19		max. Earth dist.	-6547 Aug 21 j 17:42	11° \mathbb{G} 27'07	6.32801 AU
evening set	-6552 Feb 26 j 17:00	28° \mathbb{Z} 19'55					
	-6552 Mar 04 j 23:21	0° \mathbb{X}		conjunction	-6547 Aug 23 j 07:30	11° \mathbb{G} 48'20	1°30'17
				minimum elong	-6547 Aug 23 j 07:29	11° \mathbb{G} 48'20	1°30'42
conjunction	-6552 Mar 11 j 09:58	1° \mathbb{X} 29'04	-1°25'53	morning rise	-6547 Sep 04 j 18:07	14° \mathbb{G} 35'49	
minimum elong	-6552 Mar 11 j 10:00	1° \mathbb{X} 29'06	1°26'16		-6547 Nov 27 j 21:16	0° \mathbb{Q}	
max. Earth dist.	-6552 Mar 12 j 22:07	1° \mathbb{X} 49'54	6.11647 AU	retrograde	-6546 Jan 05 j 11:09	2° \mathbb{Q} 14'05	
morning rise	-6552 Mar 25 j 04:03	4° \mathbb{X} 38'37			-6546 Feb 13 j 13:28	30° \mathbb{R} \mathbb{G}	
	-6552 May 12 j 13:00	15° \mathbb{X}		opposition	-6546 Mar 07 j 13:06	27° \mathbb{G} 22'04	2°09'57
retrograde	-6552 Jul 30 j 23:18	23° \mathbb{X} 47'10		min. Earth dist.	-6546 Mar 08 j 13:49	27° \mathbb{G} 14'13	4.29392 AU
opposition	-6552 Sep 28 j 05:32	18° \mathbb{X} 43'52	-1°51'00	direct	-6546 May 08 j 14:35	22° \mathbb{G} 24'40	
min. Earth dist.	-6552 Sep 27 j 12:07	18° \mathbb{X} 49'49	4.16186 AU		-6546 Jul 22 j 12:56	0° \mathbb{Q}	
	-6552 Oct 29 j 07:02	15° \mathbb{R} \mathbb{X}		evening set	-6546 Sep 11 j 01:26	10° \mathbb{Q} 34'56	
direct	-6552 Nov 26 j 10:13	13° \mathbb{X} 42'09		max. Earth dist.	-6546 Sep 22 j 08:47	13° \mathbb{Q} 09'47	6.25022 AU
	-6552 Dec 24 j 20:45	15° \mathbb{X}					
	-6551 Mar 22 j 13:31	0° \mathbb{H}		conjunction	-6546 Sep 23 j 12:31	13° \mathbb{Q} 25'40	1°19'54
evening set	-6551 Apr 02 j 20:50	2° \mathbb{H} 30'46		minimum elong	-6546 Sep 23 j 12:34	13° \mathbb{Q} 25'42	1°20'15
					-6546 Sep 30 j 09:15	15° \mathbb{Q}	
conjunction	-6551 Apr 16 j 14:44	5° \mathbb{H} 36'24	-0°57'33	morning rise	-6546 Oct 05 j 23:19	16° \mathbb{Q} 16'29	
minimum elong	-6551 Apr 16 j 14:48	5° \mathbb{H} 36'27	0°57'45		-6546 Dec 13 j 18:28	0° \mathbb{M}	
max. Earth dist.	-6551 Apr 17 j 09:46	5° \mathbb{H} 47'09	6.20925 AU	retrograde	-6545 Feb 08 j 15:08	4° \mathbb{M} 38'05	
morning rise	-6551 Apr 30 j 07:30	8° \mathbb{H} 41'20			-6545 Apr 08 j 18:23	30° \mathbb{R} \mathbb{Q}	
retrograde	-6551 Sep 01 j 15:17	26° \mathbb{H} 55'34		opposition	-6545 Apr 10 j 21:09	29° \mathbb{Q} 43'49	1°35'43
opposition	-6551 Oct 30 j 22:37	21° \mathbb{H} 55'49	-0°52'59	min. Earth dist.	-6545 Apr 11 j 12:28	29° \mathbb{Q} 38'55	4.20347 AU
min. Earth dist.	-6551 Oct 30 j 17:19	21° \mathbb{H} 57'36	4.25591 AU	direct	-6545 Jun 10 j 22:04	24° \mathbb{Q} 49'09	

Attention, astronomical year style is used: The year -6545 in astronomical counting style is the year 6546 BCE in historical counting style.

	-6545 Aug 09 j 13:10	0°♎		minimum elong	-6539 Apr 21 j 14:12	10°♋25'00	0°51'56
evening set	-6545 Oct 13 j 03:36	13°♎15'02		max. Earth dist.	-6539 Apr 22 j 05:13	10°♋33'27	6.22061 AU
				morning rise	-6539 May 05 j 06:29	13°♋29'13	
conjunction	-6545 Oct 25 j 18:43	16°♎11'32	0°44'15		-6539 Aug 05 j 09:04	0°♑	
minimum elong	-6545 Oct 25 j 18:47	16°♎11'34	0°44'23	retrograde	-6539 Sep 06 j 05:09	1°♑37'04	
max. Earth dist.	-6545 Oct 25 j 07:23	16°♎04'55	6.15562 AU		-6539 Oct 07 j 19:51	30°♋	
morning rise	-6545 Nov 07 j 11:42	19°♎09'06		opposition	-6539 Nov 04 j 11:56	26°♋37'53	-0°43'07
	-6545 Dec 27 j 20:59	0°♏		min. Earth dist.	-6539 Nov 04 j 09:05	26°♋38'50	4.26720 AU
retrograde	-6544 Mar 15 j 06:36	8°♏21'18		direct	-6538 Jan 04 j 02:52	21°♋34'08	
opposition	-6544 May 15 j 10:29	3°♏23'19	0°28'20		-6538 Mar 24 j 20:27	0°♑	
min. Earth dist.	-6544 May 15 j 09:22	3°♏23'41	4.11111 AU	evening set	-6538 May 12 j 08:07	9°♑58'54	
	-6544 Jun 13 j 09:00	30°♋					
direct	-6544 Jul 14 j 03:05	28°♎30'15		conjunction	-6538 May 25 j 20:42	12°♑58'17	-0°04'21
	-6544 Aug 13 j 15:20	0°♏		minimum elong	-6538 May 25 j 20:43	12°♑58'18	0°04'17
desc. node	-6544 Oct 04 j 05:00	8°♏01'29		behind sun begin	-6538 May 25 j 12:38	12°♑53'50	
evening set	-6544 Nov 14 j 18:04	17°♏15'30		behind sun end	-6538 May 26 j 04:49	13°♑02'46	
				max. Earth dist.	-6538 May 25 j 14:52	12°♑55'05	6.30893 AU
conjunction	-6544 Nov 27 j 16:54	20°♏18'52	-0°07'23	morning rise	-6538 Jun 08 j 06:12	15°♑56'07	
minimum elong	-6544 Nov 27 j 16:54	20°♏18'51	0°07'30	asc. node	-6538 Jun 29 j 06:08	20°♑27'56	
behind sun begin	-6544 Nov 27 j 09:29	20°♏14'30			-6538 Aug 21 j 14:29	0°♌	
behind sun end	-6544 Nov 28 j 00:18	20°♏23'13		retrograde	-6538 Oct 07 j 14:27	3°♌22'01	
max. Earth dist.	-6544 Nov 28 j 05:42	20°♏26'25	6.07455 AU		-6538 Nov 24 j 05:22	30°♋	
morning rise	-6544 Dec 10 j 18:37	23°♏23'55		opposition	-6538 Dec 06 j 06:29	28°♑26'36	0°29'04
	-6543 Jan 08 j 18:44	0°♌		min. Earth dist.	-6538 Dec 06 j 16:46	28°♑23'13	4.34189 AU
retrograde	-6543 Apr 21 j 01:24	13°♌18'10		direct	-6537 Feb 06 j 00:11	23°♑22'51	
opposition	-6543 Jun 20 j 16:52	8°♌16'17	-0°51'35		-6537 Apr 17 j 12:11	0°♌	
min. Earth dist.	-6543 Jun 20 j 01:14	8°♌21'28	4.04878 AU	evening set	-6537 Jun 14 j 06:04	11°♌30'07	
direct	-6543 Aug 18 j 07:26	3°♌22'55		max. Earth dist.	-6537 Jun 26 j 07:20	14°♌09'07	6.36390 AU
	-6543 Nov 17 j 11:20	15°♌					
evening set	-6543 Dec 20 j 03:54	22°♌25'52		conjunction	-6537 Jun 27 j 09:26	14°♌23'30	0°43'19
				minimum elong	-6537 Jun 27 j 09:22	14°♌23'28	0°43'35
conjunction	-6542 Jan 02 j 10:31	25°♌34'18	-0°57'23		-6537 Jun 30 j 03:37	15°♌	
minimum elong	-6542 Jan 02 j 10:27	25°♌34'16	0°57'42	morning rise	-6537 Jul 10 j 09:28	17°♌15'10	
max. Earth dist.	-6542 Jan 03 j 18:25	25°♌53'11	6.03597 AU		-6537 Sep 14 j 07:50	0°♐	
morning rise	-6542 Jan 15 j 20:42	28°♌44'35		retrograde	-6537 Nov 07 j 17:48	4°♐21'47	
	-6542 Jan 21 j 05:33	0°♌			-6536 Jan 02 j 21:24	30°♋	
retrograde	-6542 May 27 j 18:27	18°♌54'24		opposition	-6536 Jan 06 j 21:12	29°♋29'11	1°31'12
opposition	-6542 Jul 26 j 20:01	13°♌49'47	-1°53'35	min. Earth dist.	-6536 Jan 07 j 19:41	29°♋21'56	4.37424 AU
min. Earth dist.	-6542 Jul 25 j 18:12	13°♌58'31	4.03952 AU	direct	-6536 Mar 09 j 09:31	24°♋26'49	
direct	-6542 Sep 22 j 20:50	8°♌54'09			-6536 May 12 j 14:21	0°♐	
evening set	-6541 Jan 25 j 21:24	28°♌05'24		evening set	-6536 Jul 14 j 22:52	12°♐25'31	
	-6541 Feb 03 j 01:31	0°♌		max. Earth dist.	-6536 Jul 26 j 04:44	14°♐54'34	6.36980 AU
conjunction	-6541 Feb 08 j 10:37	1°♌15'40	-1°26'26	conjunction	-6536 Jul 27 j 16:51	15°♐14'35	1°17'55
minimum elong	-6541 Feb 08 j 10:35	1°♌15'39	1°26'52	minimum elong	-6536 Jul 27 j 16:48	15°♐14'33	1°18'19
max. Earth dist.	-6541 Feb 10 j 03:42	1°♌39'46	6.05542 AU	morning rise	-6536 Aug 09 j 07:47	18°♐02'15	
morning rise	-6541 Feb 22 j 02:25	4°♌27'11			-6536 Oct 08 j 19:12	0°♑	
retrograde	-6541 Jul 02 j 12:51	24°♌16'57		retrograde	-6536 Dec 08 j 05:53	5°♑14'50	
min. Earth dist.	-6541 Aug 30 j 00:27	19°♌20'22	4.08666 AU	opposition	-6535 Feb 06 j 23:37	0°♑23'22	2°07'25
opposition	-6541 Aug 31 j 01:08	19°♌11'56	-2°12'51	min. Earth dist.	-6535 Feb 08 j 02:21	0°♑14'51	4.35470 AU
direct	-6541 Oct 28 j 10:03	14°♌12'55			-6535 Feb 10 j 01:03	30°♋	
	-6540 Feb 17 j 05:56	0°♌		direct	-6535 Apr 10 j 12:51	25°♐23'28	
evening set	-6540 Mar 02 j 20:00	3°♌17'50			-6535 Jun 07 j 07:14	0°♑	
				evening set	-6535 Aug 15 j 01:31	13°♑23'33	
conjunction	-6540 Mar 16 j 13:29	6°♌26'49	-1°23'31	max. Earth dist.	-6535 Aug 26 j 00:40	15°♑51'03	6.32516 AU
minimum elong	-6540 Mar 16 j 13:33	6°♌26'51	1°23'53				
max. Earth dist.	-6540 Mar 18 j 00:45	6°♌47'04	6.12555 AU	conjunction	-6535 Aug 27 j 13:15	16°♑11'38	1°30'24
morning rise	-6540 Mar 30 j 07:42	9°♌36'01		minimum elong	-6535 Aug 27 j 13:15	16°♑11'38	1°30'49
	-6540 Apr 23 j 13:45	15°♌		morning rise	-6535 Sep 08 j 23:21	18°♑59'02	
retrograde	-6540 Aug 04 j 15:44	28°♌38'07			-6535 Nov 01 j 17:12	0°♒	
opposition	-6540 Oct 02 j 21:41	23°♌35'16	-1°44'33	retrograde	-6534 Jan 10 j 00:10	6°♒40'24	
min. Earth dist.	-6540 Oct 02 j 04:48	23°♌41'01	4.17237 AU	opposition	-6534 Mar 12 j 02:48	1°♒48'15	2°07'28
direct	-6540 Dec 01 j 04:57	18°♌33'14		min. Earth dist.	-6534 Mar 13 j 03:53	1°♒40'17	4.28801 AU
	-6539 Mar 04 j 20:33	0°♋			-6534 Mar 26 j 15:56	30°♋	
evening set	-6539 Apr 07 j 20:38	7°♋19'54		direct	-6534 May 13 j 03:11	26°♑51'14	
					-6534 Jun 28 j 14:30	0°♒	
conjunction	-6539 Apr 21 j 14:07	10°♋24'58	-0°51'45	evening set	-6534 Sep 15 j 07:46	15°♒01'43	

Attention, astronomical year style is used: The year -6534 in astronomical counting style is the year 6535 BCE in historical counting style.




























































































































	-6534 Sep 15 j 04:44	15°♌		minimum elong	-6528 Mar 21 j 16:44	11°♏24'46	1°20'50
				max. Earth dist.	-6528 Mar 23 j 01:15	11°♏43'24	6.13485 AU
conjunction	-6534 Sep 27 j 18:58	17°♏52'53	1°16'24	morning rise	-6528 Apr 04 j 11:07	14°♏33'33	
minimum elong	-6534 Sep 27 j 19:01	17°♏52'55	1°16'44		-6528 Apr 06 j 09:42	15°♏	
max. Earth dist.	-6534 Sep 26 j 15:06	17°♏36'54	6.24172 AU		-6528 Jun 22 j 19:34	0°♐	
morning rise	-6534 Oct 10 j 06:23	20°♏44'19		retrograde	-6528 Aug 09 j 08:13	3°♐28'51	
	-6534 Nov 22 j 08:22	0°♐			-6528 Sep 25 j 21:25	30°♐	
retrograde	-6533 Feb 13 j 06:19	9°♐11'24		opposition	-6528 Oct 07 j 13:26	28°♐26'20	-1°37'20
opposition	-6533 Apr 15 j 13:44	4°♐16'41	1°28'14	min. Earth dist.	-6528 Oct 06 j 22:19	28°♐31'29	4.18387 AU
min. Earth dist.	-6533 Apr 16 j 03:04	4°♐12'25	4.19277 AU	direct	-6528 Dec 06 j 01:28	23°♐23'53	
	-6533 May 26 j 10:24	30°♐♌			-6527 Feb 12 j 07:16	0°♐	
direct	-6533 Jun 15 j 10:10	29°♌22'17		evening set	-6527 Apr 12 j 19:27	12°♐07'46	
	-6533 Jul 05 j 09:49	0°♐					
evening set	-6533 Oct 17 j 12:59	17°♐50'11		conjunction	-6527 Apr 26 j 12:46	15°♐12'10	-0°45'36
				minimum elong	-6527 Apr 26 j 12:50	15°♐12'12	0°45'45
conjunction	-6533 Oct 30 j 05:06	20°♐47'35	0°37'57	max. Earth dist.	-6527 Apr 27 j 02:57	15°♐20'08	6.23353 AU
minimum elong	-6533 Oct 30 j 05:09	20°♐47'36	0°38'04	morning rise	-6527 May 10 j 04:19	18°♐15'33	
max. Earth dist.	-6533 Oct 29 j 20:53	20°♐42'46	6.14386 AU		-6527 Jul 06 j 22:38	0°♑	
morning rise	-6533 Nov 11 j 22:59	23°♐46'08		retrograde	-6527 Sep 10 j 16:00	6°♑16'15	
	-6533 Dec 09 j 13:47	0°♑		opposition	-6527 Nov 09 j 00:09	1°♑17'31	-0°33'02
retrograde	-6532 Mar 20 j 04:46	13°♑05'00		min. Earth dist.	-6527 Nov 08 j 22:20	1°♑18'07	4.27998 AU
opposition	-6532 May 20 j 06:17	8°♑06'35	0°17'47		-6527 Nov 18 j 18:35	30°♑	
min. Earth dist.	-6532 May 20 j 04:41	8°♑07'06	4.09908 AU	direct	-6526 Jan 08 j 18:27	26°♑13'38	
direct	-6532 Jul 18 j 19:56	3°♑13'35			-6526 Feb 28 j 23:16	0°♑	
desc. node	-6532 Aug 16 j 07:50	4°♑32'48		asc. node	-6526 May 08 j 08:21	12°♑41'07	
evening set	-6532 Nov 19 j 09:42	22°♑02'18		evening set	-6526 May 17 j 01:13	14°♑35'00	
conjunction	-6532 Dec 02 j 09:34	25°♑06'38	-0°14'35	conjunction	-6526 May 30 j 12:32	17°♑33'27	0°02'49
minimum elong	-6532 Dec 02 j 09:32	25°♑06'37	0°14'43	minimum elong	-6526 May 30 j 12:32	17°♑33'26	0°02'55
behind sun begin	-6532 Dec 02 j 06:05	25°♑04'35		behind sun begin	-6526 May 30 j 04:21	17°♑28'56	
behind sun end	-6532 Dec 02 j 12:59	25°♑08'39		behind sun end	-6526 May 30 j 20:44	17°♑37'57	
max. Earth dist.	-6532 Dec 02 j 23:18	25°♑14'46	6.06339 AU	max. Earth dist.	-6526 May 30 j 02:32	17°♑27'55	6.32025 AU
morning rise	-6532 Dec 15 j 12:42	28°♑12'47		morning rise	-6526 Jun 12 j 20:58	20°♑30'18	
	-6532 Dec 23 j 04:08	0°♒			-6526 Jul 28 j 23:43	0°♒	
	-6531 Mar 10 j 18:26	15°♒		retrograde	-6526 Oct 11 j 23:55	7°♒51'29	
retrograde	-6531 Apr 26 j 00:29	18°♒12'28		opposition	-6526 Dec 10 j 16:54	2°♒56'27	0°38'49
	-6531 Jun 11 j 12:33	15°♒♒		min. Earth dist.	-6526 Dec 11 j 05:47	2°♒52'13	4.35070 AU
opposition	-6531 Jun 25 j 14:22	13°♒10'11	-1°01'37		-6525 Jan 03 j 17:18	30°♒	
min. Earth dist.	-6531 Jun 24 j 20:32	13°♒16'07	4.03985 AU	direct	-6525 Feb 10 j 14:51	27°♒52'43	
direct	-6531 Aug 23 j 00:36	8°♒16'37			-6525 Mar 20 j 20:42	0°♒	
	-6531 Oct 28 j 15:06	15°♒			-6525 Jun 14 j 08:07	15°♒	
evening set	-6531 Dec 25 j 02:20	27°♒23'22		evening set	-6525 Jun 18 j 17:47	15°♒57'33	
	-6530 Jan 05 j 03:13	0°♓					
conjunction	-6530 Jan 07 j 10:07	0°♓32'33	-1°02'52	conjunction	-6525 Jul 01 j 19:56	18°♓50'09	0°49'11
minimum elong	-6530 Jan 07 j 10:03	0°♓32'30	1°03'12	minimum elong	-6525 Jul 01 j 19:52	18°♓50'07	0°49'29
max. Earth dist.	-6530 Jan 08 j 20:04	0°♓52'40	6.03007 AU	max. Earth dist.	-6525 Jun 30 j 17:01	18°♓35'19	6.36924 AU
morning rise	-6530 Jan 20 j 21:15	3°♓43'30		morning rise	-6525 Jul 14 j 18:24	21°♓40'59	
retrograde	-6530 Jun 01 j 19:15	23°♓55'00			-6525 Aug 23 j 19:19	0°♔	
opposition	-6530 Jul 31 j 17:44	18°♓50'10	-1°59'01	retrograde	-6525 Nov 12 j 00:56	8°♔46'25	
min. Earth dist.	-6530 Jul 30 j 16:13	18°♓58'50	4.03740 AU	opposition	-6524 Jan 11 j 07:33	3°♔54'02	1°38'05
direct	-6530 Sep 27 j 18:43	13°♓54'07		min. Earth dist.	-6524 Jan 12 j 06:20	3°♔46'42	4.37590 AU
	-6529 Jan 17 j 10:57	0°♔			-6524 Feb 15 j 05:05	30°♔	
evening set	-6529 Jan 31 j 00:10	3°♔07'28		direct	-6524 Mar 13 j 20:14	28°♔51'57	
					-6524 Apr 10 j 16:56	0°♔	
				evening set	-6524 Jul 19 j 07:31	16°♔49'51	
conjunction	-6529 Feb 13 j 14:18	6°♔18'02	-1°27'55	max. Earth dist.	-6524 Jul 30 j 10:35	19°♔17'35	6.36740 AU
minimum elong	-6529 Feb 13 j 14:17	6°♔18'02	1°28'19				
max. Earth dist.	-6529 Feb 15 j 08:44	6°♔42'52	6.05733 AU	conjunction	-6524 Aug 01 j 00:13	19°♔38'29	1°21'08
morning rise	-6529 Feb 27 j 06:47	9°♔29'43		minimum elong	-6524 Aug 01 j 00:10	19°♔38'27	1°21'32
retrograde	-6529 Jul 07 j 10:10	29°♔16'03		morning rise	-6524 Aug 13 j 14:14	22°♔25'50	
opposition	-6529 Sep 04 j 20:30	24°♔11'11	-2°11'30		-6524 Sep 18 j 11:16	0°♕	
min. Earth dist.	-6529 Sep 03 j 19:33	24°♔19'43	4.09252 AU	retrograde	-6524 Dec 12 j 18:14	9°♕40'51	
direct	-6529 Nov 02 j 06:26	19°♔11'43		opposition	-6523 Feb 11 j 12:36	4°♕49'25	2°09'44
	-6528 Jan 30 j 03:50	0°♕		min. Earth dist.	-6523 Feb 12 j 16:40	4°♕40'29	4.34839 AU
evening set	-6528 Mar 07 j 22:57	8°♕16'00			-6523 Apr 04 j 12:15	30°♕	
				direct	-6523 Apr 15 j 02:04	29°♕49'52	
conjunction	-6528 Mar 21 j 16:40	11°♕24'43	-1°20'29		-6523 Apr 25 j 15:56	0°♕	

Attention, astronomical year style is used: The year -6523 in astronomical counting style is the year 6524 BCE in historical counting style.

evening set	-6523 Aug 19 j 09:10	17° \mathfrak{D} 50'47			-6517 May 20 j 09:37	0° \approx	
max. Earth dist.	-6523 Aug 30 j 08:05	20° \mathfrak{D} 18'31	6.31531 AU	retrograde	-6517 Jul 12 j 05:13	4° \approx 13'23	
					-6517 Sep 03 j 08:28	30° \mathfrak{R} \mathfrak{Z}	
conjunction	-6523 Aug 31 j 20:34	20° \mathfrak{D} 39'05	1°30'03	opposition	-6517 Sep 09 j 15:09	29° \mathfrak{Z} 08'40	-2°09'12
minimum elong	-6523 Aug 31 j 20:34	20° \mathfrak{D} 39'05	1°30'28	min. Earth dist.	-6517 Sep 08 j 15:07	29° \mathfrak{Z} 16'54	4.10732 AU
morning rise	-6523 Sep 13 j 06:29	23° \mathfrak{D} 26'48		direct	-6517 Nov 07 j 05:04	24° \mathfrak{Z} 08'43	
	-6523 Oct 13 j 12:33	0° Ω			-6516 Jan 08 j 22:19	0° \approx	
retrograde	-6522 Jan 14 j 15:14	11° Ω 13'48		evening set	-6516 Mar 12 j 23:51	13° \approx 09'10	
opposition	-6522 Mar 16 j 19:54	6° Ω 21'22	2°04'18		-6516 Mar 21 j 02:35	15° \approx	
min. Earth dist.	-6522 Mar 17 j 19:05	6° Ω 14'00	4.27529 AU				
direct	-6522 May 17 j 16:06	1° Ω 24'45		conjunction	-6516 Mar 26 j 17:53	16° \approx 17'14	-1°17'00
	-6522 Aug 30 j 00:45	15° Ω		minimum elong	-6516 Mar 26 j 17:57	16° \approx 17'17	1°17'19
evening set	-6522 Sep 19 j 17:44	19° Ω 37'37		max. Earth dist.	-6516 Mar 28 j 01:43	16° \approx 35'25	6.15191 AU
max. Earth dist.	-6522 Oct 01 j 04:06	22° Ω 15'01	6.22729 AU	morning rise	-6516 Apr 09 j 11:58	19° \approx 25'12	
					-6516 May 29 j 13:41	0° \mathfrak{H}	
conjunction	-6522 Oct 02 j 05:20	22° Ω 29'32	1°12'21	retrograde	-6516 Aug 13 j 21:00	8° \mathfrak{H} 11'16	
minimum elong	-6522 Oct 02 j 05:24	22° Ω 29'34	1°12'38	opposition	-6516 Oct 12 j 02:11	3° \mathfrak{H} 09'15	-1°29'42
morning rise	-6522 Oct 14 j 17:19	25° Ω 21'50		min. Earth dist.	-6516 Oct 11 j 12:49	3° \mathfrak{H} 13'47	4.20129 AU
	-6522 Nov 04 j 09:29	0° \mathfrak{M}			-6516 Nov 06 j 07:35	30° \mathfrak{R} \approx	
retrograde	-6521 Feb 18 j 05:41	13° \mathfrak{M} 56'33		direct	-6516 Dec 10 j 18:15	28° \approx 06'32	
opposition	-6521 Apr 20 j 11:47	9° \mathfrak{M} 01'26	1°19'54		-6515 Jan 14 j 16:04	0° \mathfrak{H}	
min. Earth dist.	-6521 Apr 21 j 00:12	8° \mathfrak{M} 57'27	4.17748 AU	evening set	-6515 Apr 17 j 14:06	16° \mathfrak{H} 45'53	
direct	-6521 Jun 20 j 04:58	4° \mathfrak{M} 07'21					
evening set	-6521 Oct 22 j 04:10	22° \mathfrak{M} 38'39		conjunction	-6515 May 01 j 06:41	19° \mathfrak{H} 49'20	-0°39'24
				minimum elong	-6515 May 01 j 06:44	19° \mathfrak{H} 49'22	0°39'31
conjunction	-6521 Nov 03 j 21:14	25° \mathfrak{M} 37'07	0°31'06	max. Earth dist.	-6515 May 01 j 16:01	19° \mathfrak{H} 54'34	6.24978 AU
minimum elong	-6521 Nov 03 j 21:16	25° \mathfrak{M} 37'09	0°31'11	morning rise	-6515 May 14 j 21:35	22° \mathfrak{H} 51'45	
max. Earth dist.	-6521 Nov 03 j 15:03	25° \mathfrak{M} 33'30	6.12927 AU		-6515 Jun 17 j 06:44	0° \mathfrak{Y}	
morning rise	-6521 Nov 16 j 16:28	28° \mathfrak{M} 36'53		retrograde	-6515 Sep 14 j 22:59	10° \mathfrak{Y} 45'04	
	-6521 Nov 22 j 15:47	0° \mathfrak{L}		opposition	-6515 Nov 13 j 08:32	5° \mathfrak{Y} 46'50	-0°23'10
retrograde	-6520 Mar 25 j 07:13	18° \mathfrak{L} 03'10		min. Earth dist.	-6515 Nov 13 j 09:24	5° \mathfrak{Y} 46'33	4.29367 AU
opposition	-6520 May 25 j 07:59	13° \mathfrak{L} 04'14	0°06'30	direct	-6514 Jan 13 j 07:17	0° \mathfrak{Y} 42'51	
min. Earth dist.	-6520 May 25 j 02:58	13° \mathfrak{L} 05'53	4.08670 AU	asc. node	-6514 Mar 19 j 05:40	6° \mathfrak{Y} 31'10	
desc. node	-6520 Jun 26 j 06:18	9° \mathfrak{L} 24'06		evening set	-6514 May 21 j 13:42	19° \mathfrak{Y} 00'59	
direct	-6520 Jul 23 j 15:56	8° \mathfrak{L} 11'22		max. Earth dist.	-6514 Jun 03 j 11:49	21° \mathfrak{Y} 51'50	6.33036 AU
evening set	-6520 Nov 24 j 07:34	27° \mathfrak{L} 03'33					
	-6520 Dec 06 j 17:46	0° \mathfrak{M}		conjunction	-6514 Jun 04 j 00:01	21° \mathfrak{Y} 58'34	0°09'32
conjunction	-6520 Dec 07 j 08:38	0° \mathfrak{M} 08'49	-0°22'05	minimum elong	-6514 Jun 04 j 00:01	21° \mathfrak{Y} 58'33	0°09'39
minimum elong	-6520 Dec 07 j 08:36	0° \mathfrak{M} 08'47	0°22'16	behind sun begin	-6514 Jun 03 j 17:18	21° \mathfrak{Y} 54'52	
max. Earth dist.	-6520 Dec 08 j 02:23	0° \mathfrak{M} 19'20	6.05450 AU	behind sun end	-6514 Jun 04 j 06:43	22° \mathfrak{Y} 02'15	
morning rise	-6520 Dec 20 j 12:56	3° \mathfrak{M} 15'53		morning rise	-6514 Jun 17 j 07:01	24° \mathfrak{Y} 54'28	
	-6519 Feb 12 j 11:45	15° \mathfrak{M}			-6514 Jul 11 j 01:13	0° \mathfrak{B}	
retrograde	-6519 May 01 j 06:14	23° \mathfrak{M} 19'46		retrograde	-6514 Oct 16 j 04:33	12° \mathfrak{B} 12'00	
opposition	-6519 Jun 30 j 17:26	18° \mathfrak{M} 17'02	-1°11'42	opposition	-6514 Dec 14 j 23:32	7° \mathfrak{B} 17'26	0°47'59
min. Earth dist.	-6519 Jun 29 j 22:17	18° \mathfrak{M} 23'26	4.03570 AU	min. Earth dist.	-6514 Dec 15 j 14:08	7° \mathfrak{B} 12'40	4.35658 AU
	-6519 Jul 27 j 18:58	15° \mathfrak{R} \mathfrak{M}		direct	-6513 Feb 14 j 23:54	2° \mathfrak{B} 13'53	
direct	-6519 Aug 28 j 01:45	13° \mathfrak{M} 23'18			-6513 May 29 j 05:44	15° \mathfrak{B}	
	-6519 Sep 28 j 04:24	15° \mathfrak{M}		evening set	-6513 Jun 23 j 02:09	20° \mathfrak{B} 17'37	
	-6519 Dec 19 j 09:55	0° \mathfrak{J}		max. Earth dist.	-6513 Jul 04 j 19:53	22° \mathfrak{B} 52'31	6.37017 AU
evening set	-6519 Dec 30 j 05:44	2° \mathfrak{J} 31'44					
conjunction	-6518 Jan 12 j 14:30	5° \mathfrak{J} 41'17	-1°08'07	conjunction	-6513 Jul 06 j 02:50	23° \mathfrak{B} 09'35	0°54'36
minimum elong	-6518 Jan 12 j 14:26	5° \mathfrak{J} 41'15	1°08'30	minimum elong	-6513 Jul 06 j 02:46	23° \mathfrak{B} 09'33	0°54'55
max. Earth dist.	-6518 Jan 14 j 03:43	6° \mathfrak{J} 03'19	6.03110 AU	morning rise	-6513 Jul 19 j 00:13	25° \mathfrak{B} 59'54	
morning rise	-6518 Jan 26 j 02:32	8° \mathfrak{J} 52'33			-6513 Aug 06 j 13:48	0° \mathfrak{I}	
retrograde	-6518 Jun 06 j 21:14	29° \mathfrak{J} 02'08		retrograde	-6513 Nov 16 j 08:43	13° \mathfrak{I} 06'03	
opposition	-6518 Aug 05 j 17:58	23° \mathfrak{J} 57'11	-2°03'42	opposition	-6512 Jan 15 j 16:00	8° \mathfrak{I} 13'54	1°44'17
min. Earth dist.	-6518 Aug 04 j 15:10	24° \mathfrak{J} 06'17	4.04405 AU	min. Earth dist.	-6512 Jan 16 j 17:01	8° \mathfrak{I} 05'52	4.37207 AU
direct	-6518 Oct 02 j 18:38	19° \mathfrak{J} 00'45		direct	-6512 Mar 18 j 06:07	3° \mathfrak{I} 12'04	
	-6518 Dec 30 j 09:09	0° \mathfrak{Z}		evening set	-6512 Jul 23 j 14:00	21° \mathfrak{I} 11'04	
evening set	-6517 Feb 05 j 05:00	8° \mathfrak{Z} 12'46		max. Earth dist.	-6512 Aug 03 j 16:21	23° \mathfrak{I} 38'45	6.35893 AU
				conjunction	-6512 Aug 05 j 05:56	23° \mathfrak{I} 59'39	1°23'48
conjunction	-6517 Feb 18 j 19:36	11° \mathfrak{Z} 23'03	-1°28'49	minimum elong	-6512 Aug 05 j 05:53	23° \mathfrak{I} 59'38	1°24'13
minimum elong	-6517 Feb 18 j 19:35	11° \mathfrak{Z} 23'03	1°29'14	morning rise	-6512 Aug 17 j 19:01	26° \mathfrak{I} 46'59	
max. Earth dist.	-6517 Feb 20 j 12:54	11° \mathfrak{Z} 47'09	6.06868 AU		-6512 Sep 01 j 12:25	0° \mathfrak{D}	
morning rise	-6517 Mar 04 j 12:34	14° \mathfrak{Z} 34'22		retrograde	-6512 Dec 17 j 04:38	14° \mathfrak{D} 06'40	
				opposition	-6511 Feb 16 j 01:10	9° \mathfrak{D} 15'12	2°11'17

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Attention, astronomical year style is used: The year -6511 in astronomical counting style is the year 6512 BCE in historical counting style.

min. Earth dist.	-6511 Feb 17 j 04:25	9°  06'32	4.33608 AU	conjunction	-6505 Feb 24 j 00:18	16°  25'34	-1°29'05
direct	-6511 Apr 19 j 12:01	4°  16'05		minimum elong	-6505 Feb 24 j 00:18	16°  25'34	1°29'31
evening set	-6511 Aug 23 j 17:10	22°  19'50		max. Earth dist.	-6505 Feb 25 j 18:21	16°  35'00	6.08085 AU
max. Earth dist.	-6511 Sep 03 j 16:19	24°  48'17	6.30010 AU	morning rise	-6505 Mar 09 j 17:28	19°  36'24	
					-6505 Apr 26 j 18:14	0° 	
conjunction	-6511 Sep 05 j 04:13	25°  08'36	1°29'08	retrograde	-6505 Jul 17 j 00:42	9°  07'57	
minimum elong	-6511 Sep 05 j 04:14	25°  08'37	1°29'33	min. Earth dist.	-6505 Sep 13 j 10:28	4°  11'12	4.12158 AU
morning rise	-6511 Sep 17 j 14:13	27°  56'58		opposition	-6505 Sep 14 j 08:56	4°  03'31	-2°06'05
	-6511 Sep 26 j 18:28	0° 			-6505 Oct 19 j 07:19	30° 	
	-6511 Dec 26 j 18:46	15° 		direct	-6505 Nov 12 j 01:55	29° 	03'09
retrograde	-6510 Jan 19 j 10:27	15°  51'25			-6505 Dec 06 j 01:56	0° 	
	-6510 Feb 12 j 02:46	15° 			-6504 Mar 04 j 14:28	15° 	
opposition	-6510 Mar 21 j 14:28	10°  58'43	2°00'18	evening set	-6504 Mar 18 j 00:18	18° 	00'11
min. Earth dist.	-6510 Mar 22 j 13:12	10°  51'29	4.25813 AU				
direct	-6510 May 22 j 08:04	6°  02'29		conjunction	-6504 Mar 31 j 18:17	21° 	07'38
	-6510 Aug 11 j 22:11	15° 		minimum elong	-6504 Mar 31 j 18:21	21° 	07'40
evening set	-6510 Sep 24 j 05:31	24°  19'04		max. Earth dist.	-6504 Apr 01 j 22:17	21° 	23'34
				morning rise	-6504 Apr 14 j 12:20	24° 	14'52
conjunction	-6510 Oct 06 j 17:47	27°  11'59	1°07'45		-6504 May 10 j 16:04	0° 	
minimum elong	-6510 Oct 06 j 17:51	27°  12'01	1°08'00	retrograde	-6504 Aug 18 j 08:13	12° 	52'40
max. Earth dist.	-6510 Oct 05 j 19:08	26°  58'54	6.20985 AU	opposition	-6504 Oct 16 j 14:42	7° 	51'08
	-6510 Oct 18 j 21:13	0° 		min. Earth dist.	-6504 Oct 16 j 03:05	7° 	55'04
morning rise	-6510 Oct 19 j 06:37	0° 		direct	-6504 Dec 15 j 10:50	2° 	48'08
retrograde	-6509 Feb 23 j 05:30	18° 	48'29	evening set	-6503 Apr 22 j 09:04	21° 	24'07
opposition	-6509 Apr 25 j 12:00	13° 	52'52				
min. Earth dist.	-6509 Apr 25 j 20:51	13° 	50'02	conjunction	-6503 May 06 j 01:10	24° 	26'48
direct	-6509 Jun 24 j 23:15	8° 	59'04	minimum elong	-6503 May 06 j 01:13	24° 	26'50
evening set	-6509 Oct 26 j 21:50	27° 	33'53	max. Earth dist.	-6503 May 06 j 07:43	24° 	30'27
	-6509 Nov 06 j 07:07	0° 		morning rise	-6503 May 19 j 15:07	27° 	28'18
					-6503 May 31 j 03:32	0° 	
conjunction	-6509 Nov 08 j 15:56	0° 	33'25	retrograde	-6503 Sep 19 j 07:58	15° 	15'23
minimum elong	-6509 Nov 08 j 15:59	0° 	33'26	opposition	-6503 Nov 17 j 17:59	10° 	17'45
max. Earth dist.	-6509 Nov 08 j 14:02	0° 	32'17	min. Earth dist.	-6503 Nov 17 j 21:16	10° 	16'40
morning rise	-6509 Nov 21 j 12:24	3° 	34'19	direct	-6502 Jan 17 j 21:06	5° 	13'46
retrograde	-6508 Mar 30 j 13:06	23° 	07'18	asc. node	-6502 Jan 27 j 16:33	5° 	22'45
desc. node	-6508 May 05 j 17:07	21° 	08'23	evening set	-6502 May 26 j 03:25	23° 	29'32
opposition	-6508 May 30 j 11:47	18° 	07'42				
min. Earth dist.	-6508 May 30 j 04:33	18° 	10'05	conjunction	-6502 Jun 08 j 12:31	26° 	26'20
direct	-6508 Jul 28 j 16:30	13° 	14'48	minimum elong	-6502 Jun 08 j 12:29	26° 	26'19
	-6508 Nov 20 j 02:37	0° 		max. Earth dist.	-6502 Jun 07 j 20:09	26° 	17'19
evening set	-6508 Nov 29 j 07:29	2° 	09'17	morning rise	-6502 Jun 21 j 18:23	29° 	21'27
					-6502 Jun 24 j 16:50	0° 	
conjunction	-6508 Dec 12 j 09:42	5° 	15'15	retrograde	-6502 Sep 18 j 12:36	15° 	
minimum elong	-6508 Dec 12 j 09:40	5° 	15'13	opposition	-6502 Oct 20 j 11:48	16° 	36'20
max. Earth dist.	-6508 Dec 13 j 07:35	5° 	28'13		-6502 Nov 21 j 12:29	15° 	
morning rise	-6508 Dec 25 j 15:12	8° 	23'03	opposition	-6502 Dec 19 j 08:30	11° 	42'11
	-6507 Jan 23 j 14:39	15° 		min. Earth dist.	-6502 Dec 20 j 01:02	11° 	36'47
retrograde	-6507 May 06 j 10:46	28° 	28'55	direct	-6501 Feb 19 j 11:27	6° 	38'46
opposition	-6507 Jul 05 j 20:32	23° 	25'43		-6501 May 11 j 01:05	15° 	
min. Earth dist.	-6507 Jul 04 j 23:15	23° 	32'51	evening set	-6501 Jun 27 j 12:08	24° 	41'50
direct	-6507 Sep 02 j 02:22	18° 	31'42	max. Earth dist.	-6501 Jul 09 j 04:10	27° 	15'54
	-6507 Dec 01 j 12:54	0° 					
evening set	-6506 Jan 04 j 09:51	7° 	40'25	conjunction	-6501 Jul 10 j 11:37	27° 	33'16
				minimum elong	-6501 Jul 10 j 11:33	27° 	33'14
conjunction	-6506 Jan 17 j 19:23	10° 	50'06		-6501 Jul 21 j 13:38	0° 	
minimum elong	-6506 Jan 17 j 19:19	10° 	50'03	morning rise	-6501 Jul 23 j 07:35	0° 	23'01
max. Earth dist.	-6506 Jan 19 j 09:07	11° 	12'23	retrograde	-6501 Nov 20 j 17:20	17° 	30'13
morning rise	-6506 Jan 31 j 08:18	14° 	01'26	opposition	-6500 Jan 20 j 02:46	12° 	38'21
	-6506 Apr 20 j 12:11	0° 		min. Earth dist.	-6500 Jan 21 j 04:14	12° 	30'11
retrograde	-6506 Jun 11 j 21:21	4° 	07'32	direct	-6500 Mar 22 j 17:05	7° 	36'56
	-6506 Aug 03 j 15:06	30° 		evening set	-6500 Jul 27 j 22:35	25° 	36'46
opposition	-6506 Aug 10 j 17:11	29° 	02'24	max. Earth dist.	-6500 Aug 07 j 22:14	28° 	03'21
min. Earth dist.	-6506 Aug 09 j 14:07	29° 	11'37				
direct	-6506 Oct 07 j 19:24	24° 	05'27	conjunction	-6500 Aug 09 j 13:26	28° 	25'12
	-6506 Dec 09 j 01:05	0° 		minimum elong	-6500 Aug 09 j 13:23	28° 	25'11
evening set	-6505 Feb 10 j 08:56	13° 	15'33		-6500 Aug 16 j 15:25	0° 	
				morning rise	-6500 Aug 22 j 01:57	1° 	12'32





























































































































Planetary Phenomena of Jupiter from -6900 through -6398 (UT), Astrodienst AG 18-Feb-2025 14:23, page 36

Attention, astronomical year style is used: The year -6500 in astronomical counting style is the year 6501 BCE in historical counting style.

retrograde	-6500 Dec 21 j 19:00	18° \mathfrak{D} 36'31		direct	-6494 Oct 12 j 16:06	29° \mathfrak{A} 01'48	
opposition	-6499 Feb 20 j 16:00	13° \mathfrak{D} 45'02	2°12'09		-6494 Nov 05 j 16:08	0° \mathfrak{Z}	
min. Earth dist.	-6499 Feb 21 j 19:27	13° \mathfrak{D} 36'19	4.32602 AU	evening set	-6493 Feb 15 j 09:46	18° \mathfrak{Z} 10'31	
direct	-6499 Apr 24 j 01:40	8° \mathfrak{D} 46'20					
evening set	-6499 Aug 28 j 02:10	26° \mathfrak{D} 51'58		conjunction	-6493 Mar 01 j 01:32	21° \mathfrak{Z} 20'16	-1°28'43
max. Earth dist.	-6499 Sep 08 j 03:48	29° \mathfrak{D} 22'13	6.28819 AU	minimum elong	-6493 Mar 01 j 01:33	21° \mathfrak{Z} 20'17	1°29'08
				max. Earth dist.	-6493 Mar 02 j 16:59	21° \mathfrak{Z} 43'09	6.09109 AU
conjunction	-6499 Sep 09 j 13:13	29° \mathfrak{D} 41'11	1°27'43	morning rise	-6493 Mar 14 j 19:11	24° \mathfrak{Z} 30'48	
minimum elong	-6499 Sep 09 j 13:15	29° \mathfrak{D} 41'12	1°28'06		-6493 Apr 08 j 05:26	0° \mathfrak{A}	
	-6499 Sep 10 j 22:22	0° \mathfrak{Q}		retrograde	-6493 Jul 21 j 14:39	13° \mathfrak{A} 55'45	
morning rise	-6499 Sep 21 j 23:10	2° \mathfrak{Q} 30'03		opposition	-6493 Sep 18 j 23:25	8° \mathfrak{A} 51'36	-2°02'13
	-6499 Nov 22 j 19:27	15° \mathfrak{Q}		min. Earth dist.	-6493 Sep 18 j 01:47	8° \mathfrak{A} 59'00	4.13290 AU
retrograde	-6498 Jan 24 j 04:25	20° \mathfrak{Q} 30'52		direct	-6493 Nov 16 j 18:54	3° \mathfrak{A} 50'47	
opposition	-6498 Mar 26 j 10:00	15° \mathfrak{Q} 37'54	1°55'32		-6492 Feb 16 j 04:06	15° \mathfrak{A}	
min. Earth dist.	-6498 Mar 27 j 06:17	15° \mathfrak{Q} 31'28	4.24535 AU	evening set	-6492 Mar 22 j 22:07	22° \mathfrak{A} 45'42	
	-6498 Mar 31 j 09:36	15° \mathfrak{R} 00					
direct	-6498 May 26 j 23:08	10° \mathfrak{Q} 42'10		conjunction	-6492 Apr 05 j 16:14	25° \mathfrak{A} 52'42	-1°08'40
	-6498 Jul 20 j 09:06	15° \mathfrak{Q}		minimum elong	-6492 Apr 05 j 16:19	25° \mathfrak{A} 52'45	1°08'57
evening set	-6498 Sep 28 j 17:33	29° \mathfrak{Q} 00'53		max. Earth dist.	-6492 Apr 06 j 17:24	26° \mathfrak{A} 07'00	6.17876 AU
	-6498 Oct 03 j 00:15	0° \mathfrak{R}		morning rise	-6492 Apr 19 j 09:59	28° \mathfrak{A} 59'20	
max. Earth dist.	-6498 Oct 10 j 10:10	1° \mathfrak{R} 42'55	6.19744 AU		-6492 Apr 23 j 22:08	0° \mathfrak{H}	
				retrograde	-6492 Aug 22 j 20:20	17° \mathfrak{H} 30'24	
conjunction	-6498 Oct 11 j 06:15	1° \mathfrak{R} 54'33	1°02'44	opposition	-6492 Oct 21 j 01:46	12° \mathfrak{H} 29'24	-1°13'08
minimum elong	-6498 Oct 11 j 06:19	1° \mathfrak{R} 54'35	1°02'59	min. Earth dist.	-6492 Oct 20 j 16:54	12° \mathfrak{H} 32'24	4.22678 AU
morning rise	-6498 Oct 23 j 19:57	4° \mathfrak{R} 48'52		direct	-6492 Dec 20 j 02:35	7° \mathfrak{H} 26'11	
retrograde	-6497 Feb 28 j 06:23	23° \mathfrak{R} 38'41		evening set	-6491 Apr 27 j 02:34	26° \mathfrak{H} 00'02	
opposition	-6497 Apr 30 j 11:30	18° \mathfrak{R} 42'33	1°01'19				
min. Earth dist.	-6497 Apr 30 j 18:18	18° \mathfrak{R} 40'21	4.14992 AU	conjunction	-6491 May 10 j 18:03	29° \mathfrak{H} 02'07	-0°26'23
direct	-6497 Jun 29 j 19:08	13° \mathfrak{R} 48'59		minimum elong	-6491 May 10 j 18:05	29° \mathfrak{H} 02'08	0°26'26
	-6497 Oct 21 j 02:49	0° \mathfrak{Q}		max. Earth dist.	-6491 May 10 j 21:12	29° \mathfrak{H} 03'52	6.27237 AU
evening set	-6497 Oct 31 j 14:20	2° \mathfrak{Q} 25'45			-6491 May 15 j 01:56	0° \mathfrak{Y}	
				morning rise	-6491 May 24 j 07:12	2° \mathfrak{Y} 02'54	
conjunction	-6497 Nov 13 j 09:33	5° \mathfrak{Q} 26'08	0°16'37	retrograde	-6491 Sep 23 j 15:15	19° \mathfrak{Y} 45'18	
minimum elong	-6497 Nov 13 j 09:34	5° \mathfrak{Q} 26'08	0°16'36	opposition	-6491 Nov 22 j 03:10	14° \mathfrak{Y} 48'10	-0°03'04
max. Earth dist.	-6497 Nov 13 j 11:48	5° \mathfrak{Q} 27'27	6.10673 AU	min. Earth dist.	-6491 Nov 22 j 07:47	14° \mathfrak{Y} 46'38	4.31172 AU
morning rise	-6497 Nov 26 j 07:09	8° \mathfrak{Q} 27'57		asc. node	-6491 Dec 08 j 17:58	12° \mathfrak{Y} 40'11	
desc. node	-6496 Mar 16 j 10:50	27° \mathfrak{Q} 31'14		direct	-6490 Jan 22 j 09:18	9° \mathfrak{Y} 44'09	
retrograde	-6496 Apr 04 j 14:50	28° \mathfrak{Q} 05'39		evening set	-6490 May 30 j 17:00	27° \mathfrak{Y} 58'40	
opposition	-6496 Jun 04 j 12:38	23° \mathfrak{Q} 05'32	-0°16'18		-6490 Jun 08 j 21:40	0° \mathfrak{B}	
min. Earth dist.	-6496 Jun 04 j 02:52	23° \mathfrak{Q} 08'44	4.07120 AU	max. Earth dist.	-6490 Jun 12 j 06:32	0° \mathfrak{B} 44'39	6.34259 AU
direct	-6496 Aug 02 j 12:58	18° \mathfrak{Q} 12'39					
	-6496 Nov 02 j 20:21	0° \mathfrak{M}		conjunction	-6490 Jun 13 j 00:53	0° \mathfrak{B} 54'46	0°22'57
evening set	-6496 Dec 04 j 05:00	7° \mathfrak{M} 08'21		minimum elong	-6490 Jun 13 j 00:51	0° \mathfrak{B} 54'45	0°23'08
				morning rise	-6490 Jun 26 j 05:25	3° \mathfrak{B} 49'09	
conjunction	-6496 Dec 17 j 08:06	10° \mathfrak{M} 14'49	-0°36'33		-6490 Aug 21 j 01:54	15° \mathfrak{B}	
minimum elong	-6496 Dec 17 j 08:03	10° \mathfrak{M} 14'47	0°36'47	retrograde	-6490 Oct 24 j 20:21	21° \mathfrak{B} 02'13	
max. Earth dist.	-6496 Dec 18 j 07:43	10° \mathfrak{M} 28'48	6.04702 AU	opposition	-6490 Dec 23 j 18:01	16° \mathfrak{B} 08'29	1°05'47
morning rise	-6496 Dec 30 j 14:45	13° \mathfrak{M} 23'10		min. Earth dist.	-6490 Dec 24 j 12:12	16° \mathfrak{B} 02'34	4.36260 AU
	-6495 Jan 06 j 12:16	15° \mathfrak{M}			-6489 Jan 01 j 14:24	15° \mathfrak{R} 00	
	-6495 Mar 24 j 04:18	0° \mathfrak{A}		direct	-6489 Feb 23 j 23:47	11° \mathfrak{B} 05'18	
retrograde	-6495 May 11 j 11:06	3° \mathfrak{A} 29'59			-6489 Apr 18 j 00:04	15° \mathfrak{B}	
	-6495 Jun 29 j 00:17	30° \mathfrak{R} 00		evening set	-6489 Jul 01 j 22:34	29° \mathfrak{B} 07'54	
opposition	-6495 Jul 10 j 19:52	28° \mathfrak{M} 26'21	-1°29'57		-6489 Jul 05 j 21:25	0° \mathfrak{I}	
min. Earth dist.	-6495 Jul 09 j 21:09	28° \mathfrak{M} 33'59	4.03725 AU	max. Earth dist.	-6489 Jul 13 j 11:02	1° \mathfrak{I} 40'12	6.36929 AU
direct	-6495 Sep 07 j 00:53	23° \mathfrak{M} 31'58					
	-6495 Nov 11 j 03:57	0° \mathfrak{A}		conjunction	-6489 Jul 14 j 20:42	1° \mathfrak{I} 58'48	1°04'43
evening set	-6494 Jan 09 j 10:23	12° \mathfrak{A} 40'42		minimum elong	-6489 Jul 14 j 20:38	1° \mathfrak{I} 58'46	1°05'03
				morning rise	-6489 Jul 27 j 15:33	4° \mathfrak{I} 48'06	
conjunction	-6494 Jan 22 j 20:54	15° \mathfrak{A} 50'30	-1°16'57	retrograde	-6489 Nov 25 j 03:24	21° \mathfrak{I} 56'27	
minimum elong	-6494 Jan 22 j 20:50	15° \mathfrak{A} 50'28	1°17'21	opposition	-6488 Jan 24 j 14:34	17° \mathfrak{I} 04'41	1°55'13
max. Earth dist.	-6494 Jan 24 j 13:01	16° \mathfrak{A} 14'09	6.04080 AU	min. Earth dist.	-6488 Jan 25 j 16:23	16° \mathfrak{I} 56'25	4.36492 AU
morning rise	-6494 Feb 05 j 10:22	19° \mathfrak{A} 01'50		direct	-6488 Mar 27 j 04:59	12° \mathfrak{I} 03'33	
	-6494 Mar 27 j 15:42	0° \mathfrak{Z}		evening set	-6488 Aug 01 j 07:05	0° \mathfrak{Z} 03'37	
retrograde	-6494 Jun 16 j 19:29	9° \mathfrak{Z} 04'22			-6488 Aug 01 j 00:33	0° \mathfrak{D}	
min. Earth dist.	-6494 Aug 14 j 10:26	4° \mathfrak{Z} 08'07	4.06100 AU	max. Earth dist.	-6488 Aug 12 j 07:51	2° \mathfrak{D} 31'03	6.34580 AU
opposition	-6494 Aug 15 j 12:35	3° \mathfrak{Z} 59'13	-2°10'08				
	-6494 Sep 18 j 18:35	30° \mathfrak{R} 00		conjunction	-6488 Aug 13 j 21:11	2° \mathfrak{D} 51'55	1°27'53

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Attention, astronomical year style is used: The year -6488 in astronomical counting style is the year 6489 BCE in historical counting style.

minimum elong	-6488 Aug 13 j 21:09	2°  51'54	1°28'19	retrograde	-6482 Jun 21 j 16:35	14°  03'47	
morning rise	-6488 Aug 26 j 08:50	5°  39'09		min. Earth dist.	-6482 Aug 19 j 06:11	9°  07'44	4.06621 AU
retrograde	-6488 Dec 26 j 07:58	23°  06'45		opposition	-6482 Aug 20 j 08:53	8°  58'37	-2°11'57
opposition	-6487 Feb 25 j 07:05	18°  15'09	2°12'11	direct	-6482 Oct 17 j 12:22	4°  00'43	
min. Earth dist.	-6487 Feb 26 j 09:43	18°  06'42	4.31795 AU	evening set	-6481 Feb 20 j 12:31	23°  09'16	
direct	-6487 Apr 28 j 14:52	13°  16'52					
	-6487 Aug 26 j 06:32	0°  ♂		conjunction	-6481 Mar 06 j 04:58	26°  18'58	-1°27'42
evening set	-6487 Sep 01 j 11:00	1°  ♂23'19		minimum elong	-6481 Mar 06 j 05:00	26°  18'59	1°28'05
				max. Earth dist.	-6481 Mar 07 j 19:15	26°  34'07	6.09901 AU
conjunction	-6487 Sep 13 j 21:45	4°  ♂12'49	1°25'47	morning rise	-6481 Mar 19 j 22:52	29°  32'14	
minimum elong	-6487 Sep 13 j 21:47	4°  ♂12'50	1°26'09		-6481 Mar 22 j 04:35	0°  ♂	
max. Earth dist.	-6487 Sep 12 j 12:42	3°  ♂54'01	6.27843 AU		-6481 Jun 06 j 11:48	15°  ♂	
morning rise	-6487 Sep 26 j 07:59	7°  ♂02'10		retrograde	-6481 Jul 26 j 09:34	18°  ♂48'24	
	-6487 Nov 02 j 05:12	15°  ♂			-6481 Sep 14 j 09:11	15°  ♂	
retrograde	-6486 Jan 28 j 23:03	25°  ♂08'29		opposition	-6481 Sep 23 j 16:17	13°  ♂44'37	-1°57'27
opposition	-6486 Mar 31 j 04:48	20°  ♂15'06	1°50'03	min. Earth dist.	-6481 Sep 22 j 20:52	13°  ♂51'15	4.14247 AU
min. Earth dist.	-6486 Mar 31 j 23:46	20°  ♂09'04	4.23420 AU	direct	-6481 Nov 21 j 15:38	8°  ♂43'26	
direct	-6486 May 31 j 14:42	15°  ♂19'37			-6480 Jan 26 j 08:50	15°  ♂	
	-6486 Sep 17 j 00:45	0°  ♂		evening set	-6480 Mar 27 j 22:27	27°  ♂36'44	
evening set	-6486 Oct 03 j 04:39	3°  ♂39'57			-6480 Apr 07 j 12:06	0°  ♂	
conjunction	-6486 Oct 15 j 18:09	6°  ♂34'24	0°57'22	conjunction	-6480 Apr 10 j 16:37	0°  ♂43'19	-1°03'45
minimum elong	-6486 Oct 15 j 18:13	6°  ♂34'27	0°57'35	minimum elong	-6480 Apr 10 j 16:42	0°  ♂43'22	1°03'59
max. Earth dist.	-6486 Oct 15 j 01:39	6°  ♂24'49	6.18598 AU	max. Earth dist.	-6480 Apr 11 j 15:42	0°  ♂56'23	6.18937 AU
morning rise	-6486 Oct 28 j 08:37	9°  ♂29'35		morning rise	-6480 Apr 24 j 10:05	3°  ♂49'24	
retrograde	-6485 Mar 05 j 04:47	28°  ♂25'39		retrograde	-6480 Aug 27 j 08:39	22°  ♂13'58	
opposition	-6485 May 05 j 09:38	23°  ♂29'01	0°51'29	opposition	-6480 Oct 25 j 15:11	17°  ♂13'32	-1°04'01
min. Earth dist.	-6485 May 05 j 14:26	23°  ♂27'28	4.13886 AU	min. Earth dist.	-6480 Oct 25 j 07:02	17°  ♂16'17	4.23754 AU
direct	-6485 Jul 04 j 12:43	18°  ♂35'39		direct	-6480 Dec 24 j 19:07	12°  ♂10'11	
	-6485 Oct 04 j 02:57	0°  ♂			-6479 Apr 28 j 18:37	0°  ♂	
evening set	-6485 Nov 05 j 06:14	7°  ♂14'37		evening set	-6479 May 01 j 22:43	0°  ♂41'55	
conjunction	-6485 Nov 18 j 02:20	10°  ♂15'50	0°09'18	conjunction	-6479 May 15 j 13:20	3°  ♂43'15	-0°19'30
minimum elong	-6485 Nov 18 j 02:20	10°  ♂15'50	0°09'16	minimum elong	-6479 May 15 j 13:22	3°  ♂43'16	0°19'31
behind sun begin	-6485 Nov 17 j 19:30	10°  ♂11'50		max. Earth dist.	-6479 May 15 j 13:15	3°  ♂43'12	6.28286 AU
behind sun end	-6485 Nov 18 j 09:10	10°  ♂19'51		morning rise	-6479 May 29 j 01:34	6°  ♂43'13	
max. Earth dist.	-6485 Nov 18 j 06:18	10°  ♂18'09	6.09700 AU	retrograde	-6479 Sep 28 j 03:05	24°  ♂20'33	
morning rise	-6485 Dec 01 j 01:16	13°  ♂18'39		asc. node	-6479 Oct 18 j 17:39	23°  ♂38'47	
desc. node	-6484 Jan 26 j 05:42	25°  ♂22'21		opposition	-6479 Nov 26 j 14:53	19°  ♂24'00	0°07'11
	-6484 Feb 24 j 15:14	0°  ♂		min. Earth dist.	-6479 Nov 26 j 21:47	19°  ♂21'43	4.32124 AU
retrograde	-6484 Apr 09 j 15:31	3°  ♂01'36		direct	-6478 Jan 27 j 01:45	14°  ♂20'06	
	-6484 May 25 j 00:18	30°  ♂♂			-6478 May 23 j 14:58	0°  ♂	
opposition	-6484 Jun 09 j 12:30	28°  ♂00'55	-0°27'23	evening set	-6478 Jun 04 j 08:01	2°  ♂32'17	
min. Earth dist.	-6484 Jun 09 j 00:33	28°  ♂04'51	4.06360 AU				
direct	-6484 Aug 07 j 09:39	23°  ♂07'54		conjunction	-6478 Jun 17 j 14:40	5°  ♂27'33	0°29'34
	-6484 Oct 14 j 01:30	0°  ♂		minimum elong	-6478 Jun 17 j 14:38	5°  ♂27'31	0°29'47
evening set	-6484 Dec 09 j 02:31	12°  ♂05'56		max. Earth dist.	-6478 Jun 16 j 18:49	5°  ♂16'36	6.35055 AU
	-6484 Dec 21 j 08:45	15°  ♂		morning rise	-6478 Jun 30 j 17:47	8°  ♂21'03	
					-6478 Aug 01 j 04:32	15°  ♂	
conjunction	-6484 Dec 22 j 06:52	15°  ♂13'07	-0°43'18	retrograde	-6478 Oct 29 j 04:38	25°  ♂31'21	
minimum elong	-6484 Dec 22 j 06:48	15°  ♂13'04	0°43'35	opposition	-6478 Dec 28 j 05:10	20°  ♂37'59	1°14'12
max. Earth dist.	-6484 Dec 23 j 10:14	15°  ♂29'20	6.04227 AU	min. Earth dist.	-6478 Dec 28 j 23:33	20°  ♂32'01	4.36881 AU
morning rise	-6483 Jan 04 j 14:27	18°  ♂22'05		direct	-6477 Feb 28 j 12:20	15°  ♂35'03	
	-6483 Feb 26 j 23:28	0°  ♂♂			-6477 Jun 19 j 17:27	0°  ♂	
retrograde	-6483 May 16 j 13:49	8°  ♂30'45		evening set	-6477 Jul 06 j 09:07	3°  ♂35'34	
opposition	-6483 Jul 15 j 19:05	3°  ♂26'49	-1°38'01	max. Earth dist.	-6477 Jul 17 j 20:12	6°  ♂07'07	6.37325 AU
min. Earth dist.	-6483 Jul 14 j 20:12	3°  ♂34'31	4.03600 AU				
	-6483 Aug 13 j 07:34	30°  ♂♂		conjunction	-6477 Jul 19 j 05:50	6°  ♂25'43	1°09'13
direct	-6483 Sep 11 j 23:01	28°  ♂32'06		minimum elong	-6477 Jul 19 j 05:46	6°  ♂25'41	1°09'36
	-6483 Oct 11 j 12:36	0°  ♂♂		morning rise	-6477 Jul 31 j 23:20	9°  ♂14'18	
evening set	-6482 Jan 14 j 12:27	17°  ♂42'16		retrograde	-6477 Nov 29 j 13:23	26°  ♂22'26	
				opposition	-6476 Jan 29 j 02:25	21°  ♂30'50	1°59'36
conjunction	-6482 Jan 27 j 23:42	20°  ♂52'19	-1°20'29	min. Earth dist.	-6476 Jan 30 j 05:01	21°  ♂22'21	4.36641 AU
minimum elong	-6482 Jan 27 j 23:38	20°  ♂52'17	1°20'54	direct	-6476 Mar 31 j 18:04	16°  ♂30'05	
max. Earth dist.	-6482 Jan 29 j 15:15	21°  ♂15'36	6.04282 AU		-6476 Jul 15 j 23:30	0°  ♂	
morning rise	-6482 Feb 10 j 14:06	24°  ♂03'53		evening set	-6476 Aug 05 j 14:32	4°  ♂28'39	
	-6482 Mar 08 j 15:59	0°  ♂		max. Earth dist.	-6476 Aug 16 j 13:28	6°  ♂55'14	6.34447 AU

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Attention, astronomical year style is used: The year -6476 in astronomical counting style is the year 6477 BCE in historical counting style.

conjunction	-6476 Aug 18 j 03:40	7°♎16'36	1°29'07		-6470 Feb 19 j 17:21	0°♊	
minimum elong	-6476 Aug 18 j 03:39	7°♎16'35	1°29'33	retrograde	-6470 Jun 26 j 15:01	19°♊01'56	
morning rise	-6476 Aug 30 j 14:47	10°♎03'38		min. Earth dist.	-6470 Aug 24 j 02:59	14°♊05'31	4.06947 AU
retrograde	-6476 Dec 30 j 19:37	27°♎33'35		opposition	-6470 Aug 25 j 04:34	13°♊56'46	-2°12'44
opposition	-6475 Mar 01 j 20:38	22°♎41'48	2°11'22	direct	-6470 Oct 22 j 10:12	8°♊58'24	
min. Earth dist.	-6475 Mar 02 j 22:31	22°♎33'35	4.31386 AU	evening set	-6469 Feb 25 j 15:08	28°♊07'16	
direct	-6475 May 03 j 02:19	17°♎43'50			-6469 Mar 05 j 18:55	0°♋	
	-6475 Aug 10 j 02:47	0°♌					
evening set	-6475 Sep 05 j 17:17	5°♌49'53		conjunction	-6469 Mar 11 j 08:11	1°♋16'56	-1°26'00
max. Earth dist.	-6475 Sep 16 j 21:36	8°♌22'15	6.27193 AU	minimum elong	-6469 Mar 11 j 08:14	1°♋16'58	1°26'23
				max. Earth dist.	-6469 Mar 12 j 22:18	1°♋38'56	6.10576 AU
conjunction	-6475 Sep 18 j 04:08	8°♌39'39	1°23'21	morning rise	-6469 Mar 25 j 02:23	4°♋27'02	
minimum elong	-6475 Sep 18 j 04:10	8°♌39'40	1°23'42		-6469 May 13 j 08:14	15°♋	
morning rise	-6475 Sep 30 j 14:22	11°♌29'19		retrograde	-6469 Jul 31 j 02:12	23°♋40'18	
	-6475 Oct 16 j 07:35	15°♌		opposition	-6469 Sep 28 j 08:34	18°♋36'51	-1°51'49
retrograde	-6474 Feb 02 j 14:46	29°♌40'15		min. Earth dist.	-6469 Sep 27 j 13:11	18°♋43'28	4.15201 AU
opposition	-6474 Apr 04 j 21:02	24°♌46'32	1°43'58		-6469 Oct 28 j 02:49	15°♋	
min. Earth dist.	-6474 Apr 05 j 15:15	24°♌40'44	4.22548 AU	direct	-6469 Nov 26 j 10:17	13°♋35'16	
direct	-6474 Jun 05 j 03:54	19°♌51'24			-6469 Dec 26 j 03:31	15°♋	
	-6474 Aug 31 j 03:17	0°♍			-6468 Mar 21 j 23:07	0°♋	
evening set	-6474 Oct 07 j 13:02	8°♍12'42		evening set	-6468 Apr 01 j 22:29	2°♋26'36	
max. Earth dist.	-6474 Oct 19 j 10:53	10°♍58'28	6.17579 AU				
				conjunction	-6468 Apr 15 j 16:25	5°♋32'39	-0°58'22
conjunction	-6474 Oct 20 j 03:01	11°♍07'50	0°51'47	minimum elong	-6468 Apr 15 j 16:30	5°♋32'42	0°58'34
minimum elong	-6474 Oct 20 j 03:04	11°♍07'53	0°51'57	max. Earth dist.	-6468 Apr 16 j 12:10	5°♋43'49	6.20101 AU
morning rise	-6474 Nov 01 j 18:31	14°♍03'54		morning rise	-6468 Apr 29 j 09:36	8°♋38'04	
	-6473 Jan 23 j 03:38	0°♎		retrograde	-6468 Aug 31 j 22:16	26°♋55'37	
retrograde	-6473 Mar 09 j 23:28	3°♎06'04		opposition	-6468 Oct 30 j 04:18	21°♋55'36	-0°54'29
	-6473 Apr 25 j 11:45	30°♎		min. Earth dist.	-6468 Oct 29 j 22:33	21°♋57'32	4.24981 AU
opposition	-6473 May 10 j 04:32	28°♎08'52	0°41'34	direct	-6468 Dec 29 j 13:37	16°♋52'00	
min. Earth dist.	-6473 May 10 j 07:20	28°♎07'57	4.12781 AU		-6467 Apr 11 j 21:28	0°♌	
direct	-6473 Jul 09 j 03:19	23°♎15'35		evening set	-6467 May 06 j 17:14	5°♌20'33	
	-6473 Sep 14 j 22:36	0°♏					
evening set	-6473 Nov 09 j 19:27	11°♏57'10		conjunction	-6467 May 20 j 07:08	8°♌21'03	-0°12'32
				minimum elong	-6467 May 20 j 07:09	8°♌21'03	0°12'31
conjunction	-6473 Nov 22 j 16:46	14°♏59'21	0°02'08	behind sun begin	-6467 May 20 j 01:56	8°♌18'10	
minimum elong	-6473 Nov 22 j 16:47	14°♏59'21	0°02'05	behind sun end	-6467 May 20 j 12:21	8°♌23'56	
behind sun begin	-6473 Nov 22 j 08:40	14°♏54'35		max. Earth dist.	-6467 May 20 j 05:41	8°♌20'15	6.29471 AU
behind sun end	-6473 Nov 23 j 00:53	15°♏04'07		morning rise	-6467 Jun 02 j 18:08	11°♌20'03	
max. Earth dist.	-6473 Nov 23 j 00:16	15°♏03'45	6.08629 AU	asc. node	-6467 Aug 28 j 15:36	26°♌57'25	
morning rise	-6473 Dec 05 j 16:46	18°♏03'09		retrograde	-6467 Oct 02 j 10:55	28°♌51'51	
desc. node	-6473 Dec 08 j 05:26	18°♏38'38		opposition	-6467 Dec 01 j 01:20	23°♌55'43	0°17'18
	-6472 Jan 30 j 03:00	0°♐		min. Earth dist.	-6467 Dec 01 j 08:59	23°♌53'12	4.33149 AU
retrograde	-6472 Apr 14 j 15:46	7°♐51'45		direct	-6466 Jan 31 j 14:46	18°♌51'50	
opposition	-6472 Jun 14 j 09:27	2°♐50'38	-0°37'59		-6466 May 06 j 11:47	0°♍	
min. Earth dist.	-6472 Jun 13 j 20:59	2°♐54'45	4.05430 AU	evening set	-6466 Jun 08 j 21:19	7°♍01'18	
	-6472 Jul 07 j 09:56	30°♐		max. Earth dist.	-6466 Jun 21 j 03:28	9°♍42'58	6.35810 AU
direct	-6472 Aug 12 j 03:51	27°♐57'28					
	-6472 Sep 16 j 11:30	0°♑		conjunction	-6466 Jun 22 j 02:26	9°♍55'38	0°35'58
	-6472 Dec 05 j 11:28	15°♑		minimum elong	-6466 Jun 22 j 02:23	9°♍55'36	0°36'12
evening set	-6472 Dec 13 j 22:22	16°♑58'55		morning rise	-6466 Jul 05 j 04:14	12°♍48'15	
					-6466 Jul 15 j 06:43	15°♍	
conjunction	-6472 Dec 27 j 03:39	20°♑06'50	-0°49'35	retrograde	-6466 Nov 02 j 13:51	29°♍56'11	
minimum elong	-6472 Dec 27 j 03:35	20°♑06'48	0°49'52	opposition	-6465 Jan 01 j 15:07	25°♍03'09	1°22'10
max. Earth dist.	-6472 Dec 28 j 07:35	20°♑23'24	6.03509 AU	min. Earth dist.	-6465 Jan 02 j 11:55	24°♍56'25	4.37303 AU
morning rise	-6471 Jan 09 j 12:33	23°♑16'39		direct	-6465 Mar 05 j 01:31	20°♍00'25	
	-6471 Feb 07 j 23:25	0°♒			-6465 Jun 02 j 10:28	0°♎	
retrograde	-6471 May 21 j 12:36	13°♒28'04		evening set	-6465 Jul 10 j 18:12	7°♎59'35	
opposition	-6471 Jul 20 j 16:20	8°♒23'50	-1°45'11	max. Earth dist.	-6465 Jul 22 j 02:48	10°♎29'52	6.37347 AU
min. Earth dist.	-6471 Jul 19 j 15:47	8°♒32'07	4.03203 AU				
direct	-6471 Sep 16 j 17:35	3°♒28'44		conjunction	-6465 Jul 23 j 13:45	10°♎49'11	1°13'22
evening set	-6470 Jan 19 j 13:24	22°♒41'29		minimum elong	-6465 Jul 23 j 13:41	10°♎49'09	1°13'45
				morning rise	-6465 Aug 05 j 06:04	13°♎37'17	
conjunction	-6470 Feb 02 j 01:41	25°♒51'58	-1°23'20		-6465 Nov 11 j 14:50	0°♏	
minimum elong	-6470 Feb 02 j 01:38	25°♒51'56	1°23'45	retrograde	-6465 Dec 03 j 22:25	0°♏46'42	
max. Earth dist.	-6470 Feb 03 j 18:30	26°♒15'59	6.04242 AU		-6465 Dec 26 j 08:09	30°♒♎	
morning rise	-6470 Feb 15 j 16:45	29°♒03'49		opposition	-6464 Feb 02 j 13:59	25°♎55'10	2°03'26

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Attention, astronomical year style is used: The year -6464 in astronomical counting style is the year 6465 BCE in historical counting style.

min. Earth dist.	-6464 Feb 03 j 16:24	25° Π 46'44	4.36277 AU	min. Earth dist.	-6459 Jul 24 j 16:47	13° X 40'28	4.03466 AU
direct	-6464 Apr 05 j 04:17	20° Π 54'46		direct	-6459 Sep 21 j 19:07	8° X 36'36	
	-6464 Jun 28 j 09:10	0° S		evening set	-6458 Jan 24 j 18:20	27° X 49'17	
evening set	-6464 Aug 09 j 21:52	8° S 53'39			-6458 Feb 03 j 01:35	0° S	
max. Earth dist.	-6464 Aug 20 j 20:59	11° S 20'38	6.33715 AU				
				conjunction	-6458 Feb 07 j 07:24	0° S 59'45	-1°25'41
conjunction	-6464 Aug 22 j 10:21	11° S 41'35	1°29'55	minimum elong	-6458 Feb 07 j 07:22	0° S 59'43	1°26'06
minimum elong	-6464 Aug 22 j 10:20	11° S 41'35	1°30'19	max. Earth dist.	-6458 Feb 09 j 01:56	1° S 24'42	6.05028 AU
morning rise	-6464 Sep 03 j 20:54	14° S 28'42		morning rise	-6458 Feb 20 j 23:05	4° S 11'28	
	-6464 Nov 28 j 10:55	0° N		retrograde	-6458 Jul 01 j 12:31	24° S 03'44	
retrograde	-6463 Jan 04 j 10:33	2° N 03'16		min. Earth dist.	-6458 Aug 28 j 23:01	19° S 07'37	4.08199 AU
	-6463 Feb 10 j 19:12	30° R S		opposition	-6458 Aug 30 j 01:10	18° S 58'41	-2°12'33
opposition	-6463 Mar 06 j 11:58	27° S 11'24	2°09'55	direct	-6458 Oct 27 j 08:12	13° S 59'52	
min. Earth dist.	-6463 Mar 07 j 14:11	27° S 03'05	4.30317 AU		-6457 Feb 17 j 02:04	0° \approx	
direct	-6463 May 07 j 15:55	22° S 13'53		evening set	-6457 Mar 02 j 17:53	3° \approx 05'34	
	-6463 Jul 22 j 15:22	0° N					
evening set	-6463 Sep 10 j 01:57	10° N 21'47		conjunction	-6457 Mar 16 j 11:08	6° \approx 14'38	-1°23'45
max. Earth dist.	-6463 Sep 21 j 06:21	12° N 54'43	6.25875 AU	minimum elong	-6457 Mar 16 j 11:11	6° \approx 14'40	1°24'07
				max. Earth dist.	-6457 Mar 17 j 22:34	6° \approx 35'01	6.12166 AU
conjunction	-6463 Sep 22 j 12:50	13° N 12'08	1°20'24	morning rise	-6457 Mar 30 j 05:29	9° \approx 24'02	
minimum elong	-6463 Sep 22 j 12:54	13° N 12'10	1°20'45		-6457 Apr 24 j 09:13	15° \approx	
	-6463 Sep 30 j 09:43	15° N		retrograde	-6457 Aug 04 j 17:14	28° \approx 28'13	
morning rise	-6463 Oct 04 j 23:38	16° N 02'34		opposition	-6457 Oct 02 j 23:15	23° \approx 25'07	-1°45'32
	-6463 Dec 14 j 12:29	0° N		min. Earth dist.	-6457 Oct 02 j 06:01	23° \approx 30'59	4.16943 AU
retrograde	-6462 Feb 07 j 09:46	4° N 20'35		direct	-6457 Dec 01 j 06:27	18° \approx 23'06	
	-6462 Apr 05 j 07:32	30° R N			-6456 Mar 04 j 15:22	0° X	
opposition	-6462 Apr 09 j 16:50	29° N 26'27	1°37'07	evening set	-6456 Apr 06 j 19:11	7° X 09'44	
min. Earth dist.	-6462 Apr 10 j 08:45	29° N 21'23	4.21062 AU				
direct	-6462 Jun 09 j 18:45	24° N 31'39		conjunction	-6456 Apr 20 j 12:57	10° X 14'56	-0°52'46
	-6462 Aug 10 j 07:21	0° N		minimum elong	-6456 Apr 20 j 13:01	10° X 14'58	0°52'57
evening set	-6462 Oct 12 j 01:51	12° N 56'12		max. Earth dist.	-6456 Apr 21 j 07:00	10° X 25'06	6.21866 AU
				morning rise	-6456 May 04 j 05:20	13° X 19'18	
conjunction	-6462 Oct 24 j 16:50	15° N 52'23	0°45'39		-6456 Aug 05 j 23:07	0° Y	
minimum elong	-6462 Oct 24 j 16:53	15° N 52'25	0°45'47	retrograde	-6456 Sep 05 j 06:08	1° Y 28'14	
max. Earth dist.	-6462 Oct 24 j 04:37	15° N 45'15	6.16081 AU		-6456 Oct 05 j 08:11	30° R X	
morning rise	-6462 Nov 06 j 09:16	18° N 49'33		opposition	-6456 Nov 03 j 13:33	26° X 28'47	-0°44'59
	-6462 Dec 28 j 13:32	0° S		min. Earth dist.	-6456 Nov 03 j 09:22	26° X 30'11	4.26598 AU
retrograde	-6461 Mar 15 j 01:59	7° S 59'29		direct	-6455 Jan 03 j 02:32	21° X 25'01	
opposition	-6461 May 15 j 04:55	3° S 01'51	0°30'53		-6455 Mar 24 j 16:12	0° Y	
min. Earth dist.	-6461 May 15 j 06:21	3° S 01'23	4.11385 AU	evening set	-6455 May 11 j 07:32	9° Y 49'28	
	-6461 Jun 09 j 11:25	30° R N					
direct	-6461 Jul 14 j 00:04	28° N 08'47		conjunction	-6455 May 24 j 20:13	12° Y 48'58	-0°05'47
	-6461 Aug 17 j 01:13	0° S		minimum elong	-6455 May 24 j 20:14	12° Y 48'58	0°05'43
desc. node	-6461 Oct 17 j 16:07	10° S 31'50		behind sun begin	-6455 May 24 j 12:22	12° Y 44'38	
evening set	-6461 Nov 14 j 14:47	16° S 54'02		behind sun end	-6455 May 25 j 04:07	12° Y 53'19	
				max. Earth dist.	-6455 May 24 j 13:35	12° Y 45'19	6.30803 AU
conjunction	-6461 Nov 27 j 13:08	19° S 57'14	-0°05'33	morning rise	-6455 Jun 07 j 06:15	15° Y 46'58	
minimum elong	-6461 Nov 27 j 13:08	19° S 57'13	0°05'39	asc. node	-6455 Jul 09 j 22:51	22° Y 42'45	
behind sun begin	-6461 Nov 27 j 05:20	19° S 52'38			-6455 Aug 21 j 17:44	0° Z	
behind sun end	-6461 Nov 27 j 20:56	20° S 01'49		retrograde	-6455 Oct 06 j 16:59	3° Z 13'29	
max. Earth dist.	-6461 Nov 27 j 22:40	20° S 02'51	6.07473 AU		-6455 Nov 22 j 02:29	30° R Y	
morning rise	-6461 Dec 10 j 14:38	23° S 02'09		opposition	-6455 Dec 05 j 07:57	28° Y 17'48	0°26'55
	-6460 Jan 10 j 06:33	0° M		min. Earth dist.	-6455 Dec 05 j 18:52	28° Y 14'13	4.34100 AU
retrograde	-6460 Apr 19 j 19:31	12° M 56'26		direct	-6454 Feb 05 j 01:42	23° Y 13'54	
opposition	-6460 Jun 19 j 12:00	7° M 54'51	-0°48'53		-6454 Apr 17 j 09:15	0° Z	
min. Earth dist.	-6460 Jun 18 j 20:19	8° M 00'03	4.04665 AU	evening set	-6454 Jun 13 j 06:05	11° Z 21'11	
direct	-6460 Aug 17 j 01:58	3° M 01'38		max. Earth dist.	-6454 Jun 25 j 09:20	14° Z 01'10	6.36290 AU
	-6460 Nov 17 j 21:42	15° M					
evening set	-6460 Dec 19 j 00:10	22° M 05'47		conjunction	-6454 Jun 26 j 10:06	14° Z 14'49	0°41'55
				minimum elong	-6454 Jun 26 j 10:02	14° Z 14'47	0°42'10
conjunction	-6459 Jan 01 j 06:36	25° M 14'19	-0°55'49		-6454 Jun 29 j 20:04	15° Z	
minimum elong	-6459 Jan 01 j 06:32	25° M 14'17	0°56'07	morning rise	-6454 Jul 09 j 10:26	17° Z 06'40	
max. Earth dist.	-6459 Jan 02 j 14:15	25° M 33'06	6.03222 AU		-6454 Sep 14 j 07:50	0° II	
morning rise	-6459 Jan 14 j 16:24	28° M 24'40		retrograde	-6454 Nov 06 j 18:08	4° II 13'38	
	-6459 Jan 21 j 11:18	0° X			-6454 Dec 31 j 20:27	30° R Z	
retrograde	-6459 May 26 j 16:41	18° X 36'32		opposition	-6453 Jan 05 j 22:00	29° Z 20'52	1°29'25
opposition	-6459 Jul 25 j 17:41	13° X 32'02	-1°51'51	min. Earth dist.	-6453 Jan 06 j 19:38	29° Z 13'53	4.37305 AU

Attention, astronomical year style is used: The year -6453 in astronomical counting style is the year 6454 BCE in historical counting style.

direct	-6453 Mar 09 j 08:38	24°♄18'22		min. Earth dist.	-6448 Jun 23 j 22:45	13°♍08'24	4.04239 AU
	-6453 May 13 j 11:44	0°♂		direct	-6448 Aug 22 j 04:00	8°♍09'15	
evening set	-6453 Jul 15 j 00:25	12°♂17'42			-6448 Oct 28 j 10:20	15°♍	
max. Earth dist.	-6453 Jul 26 j 05:33	14°♂46'22	6.36845 AU	evening set	-6448 Dec 24 j 03:26	27°♍14'42	
					-6447 Jan 04 j 19:01	0°♄	
conjunction	-6453 Jul 27 j 18:42	15°♂06'58	1°16'58				
minimum elong	-6453 Jul 27 j 18:38	15°♂06'56	1°17'22	conjunction	-6447 Jan 06 j 10:51	0°♄23'36	-1°01'40
morning rise	-6453 Aug 09 j 10:07	17°♂54'51		minimum elong	-6447 Jan 06 j 10:47	0°♄23'33	1°02'01
	-6453 Oct 09 j 16:01	0°♄		max. Earth dist.	-6447 Jan 07 j 21:30	0°♄44'07	6.03303 AU
retrograde	-6453 Dec 08 j 08:36	5°♄07'32		morning rise	-6447 Jan 19 j 21:39	3°♄34'17	
opposition	-6452 Feb 07 j 00:18	0°♄16'05	2°06'31	retrograde	-6447 May 31 j 18:59	23°♄44'32	
min. Earth dist.	-6452 Feb 08 j 04:26	0°♄07'07	4.35319 AU	opposition	-6447 Jul 30 j 18:46	18°♄39'48	-1°57'40
	-6452 Feb 09 j 02:47	30°♄		min. Earth dist.	-6447 Jul 29 j 16:27	18°♄48'43	4.04063 AU
direct	-6452 Apr 09 j 14:38	25°♂16'00		direct	-6447 Sep 26 j 19:23	13°♄43'57	
	-6452 Jun 07 j 03:56	0°♄			-6446 Jan 17 j 06:48	0°♄	
evening set	-6452 Aug 14 j 04:17	13°♄17'09		evening set	-6446 Jan 29 j 23:10	2°♄55'27	
max. Earth dist.	-6452 Aug 25 j 02:46	15°♄44'17	6.32361 AU				
				conjunction	-6446 Feb 12 j 12:47	6°♄05'42	-1°27'25
conjunction	-6452 Aug 26 j 16:22	16°♄05'26	1°30'09	minimum elong	-6446 Feb 12 j 12:46	6°♄05'41	1°27'50
minimum elong	-6452 Aug 26 j 16:22	16°♄05'26	1°30'34	max. Earth dist.	-6446 Feb 14 j 06:19	6°♄30'00	6.06036 AU
morning rise	-6452 Sep 08 j 02:42	18°♄52'59		morning rise	-6446 Feb 26 j 05:03	9°♄17'08	
	-6452 Nov 01 j 10:10	0°♄		retrograde	-6446 Jul 06 j 09:10	29°♄02'59	
retrograde	-6451 Jan 09 j 00:47	6°♄34'15		opposition	-6446 Sep 03 j 21:01	23°♄58'02	-2°11'27
opposition	-6451 Mar 11 j 03:35	1°♄42'08	2°07'41	min. Earth dist.	-6446 Sep 02 j 19:59	24°♄06'36	4.09503 AU
min. Earth dist.	-6451 Mar 12 j 04:00	1°♄34'22	4.28675 AU	direct	-6446 Nov 01 j 07:47	18°♄58'43	
	-6451 Mar 24 j 20:13	30°♄			-6445 Jan 30 j 05:12	0°♄	
direct	-6451 May 12 j 03:11	26°♄44'59		evening set	-6445 Mar 07 j 19:59	8°♄01'21	
	-6451 Jun 28 j 11:16	0°♄					
evening set	-6451 Sep 14 j 11:31	14°♄56'37		conjunction	-6445 Mar 21 j 13:41	11°♄09'56	-1°20'57
	-6451 Sep 14 j 17:28	15°♄		minimum elong	-6445 Mar 21 j 13:45	11°♄09'58	1°21'17
				max. Earth dist.	-6445 Mar 23 j 00:26	11°♄29'51	6.13671 AU
conjunction	-6451 Sep 26 j 22:48	17°♄47'50	1°16'55	morning rise	-6445 Apr 04 j 07:50	14°♄18'36	
minimum elong	-6451 Sep 26 j 22:52	17°♄47'52	1°17'13		-6445 Apr 07 j 08:51	15°♄	
max. Earth dist.	-6451 Sep 25 j 19:13	17°♄32'00	6.24091 AU		-6445 Jun 24 j 13:13	0°♄	
morning rise	-6451 Oct 09 j 10:06	20°♄39'16		retrograde	-6445 Aug 09 j 08:03	3°♄14'18	
	-6451 Nov 21 j 22:20	0°♄			-6445 Sep 23 j 23:41	30°♄	
retrograde	-6450 Feb 12 j 09:12	9°♄05'54		opposition	-6445 Oct 07 j 13:27	28°♄11'42	-1°38'38
opposition	-6450 Apr 14 j 14:58	4°♄11'21	1°29'30	min. Earth dist.	-6445 Oct 06 j 21:53	28°♄17'00	4.18493 AU
min. Earth dist.	-6450 Apr 15 j 05:37	4°♄06'40	4.19253 AU	direct	-6445 Dec 06 j 00:14	23°♄09'25	
	-6450 May 24 j 01:39	30°♄			-6444 Feb 13 j 15:21	0°♄	
direct	-6450 Jun 14 j 13:15	29°♄16'53		evening set	-6444 Apr 11 j 16:13	11°♄52'26	
	-6450 Jul 05 j 21:20	0°♄					
evening set	-6450 Oct 16 j 17:00	17°♄45'27		conjunction	-6444 Apr 25 j 09:27	14°♄56'50	-0°46'51
				minimum elong	-6444 Apr 25 j 09:31	14°♄56'52	0°47'01
conjunction	-6450 Oct 29 j 08:53	20°♄42'45	0°39'04	max. Earth dist.	-6444 Apr 25 j 22:38	15°♄04'13	6.23345 AU
minimum elong	-6450 Oct 29 j 08:56	20°♄42'47	0°39'10	morning rise	-6444 May 09 j 01:22	18°♄00'21	
max. Earth dist.	-6450 Oct 28 j 23:18	20°♄37'09	6.14421 AU		-6444 Jul 07 j 07:27	0°♄	
morning rise	-6450 Nov 11 j 02:40	23°♄41'13		retrograde	-6444 Sep 09 j 15:38	6°♄02'07	
	-6450 Dec 09 j 02:31	0°♄		opposition	-6444 Nov 07 j 23:54	1°♄03'13	-0°35'12
retrograde	-6449 Mar 20 j 04:49	12°♄59'07		min. Earth dist.	-6444 Nov 07 j 22:21	1°♄03'44	4.27883 AU
opposition	-6449 May 20 j 07:33	8°♄00'52	0°19'44		-6444 Nov 15 j 22:02	30°♄	
min. Earth dist.	-6449 May 20 j 05:01	8°♄01'41	4.10028 AU	direct	-6443 Jan 07 j 17:17	25°♄59'21	
direct	-6449 Jul 18 j 20:59	3°♄07'54			-6443 Mar 01 j 14:17	0°♄	
desc. node	-6449 Aug 26 j 11:21	5°♄30'00		evening set	-6443 May 15 j 22:42	14°♄20'56	
evening set	-6449 Nov 19 j 12:45	21°♄56'25		asc. node	-6443 May 20 j 02:06	15°♄15'36	
conjunction	-6449 Dec 02 j 12:20	25°♄00'32	-0°13'12	conjunction	-6443 May 29 j 10:32	17°♄19'39	0°01'12
minimum elong	-6449 Dec 02 j 12:19	25°♄00'31	0°13'20	minimum elong	-6443 May 29 j 10:32	17°♄19'38	0°01'17
behind sun begin	-6449 Dec 02 j 07:34	24°♄57'43		behind sun begin	-6443 May 29 j 02:18	17°♄15'06	
behind sun end	-6449 Dec 02 j 17:03	25°♄03'19		behind sun end	-6443 May 29 j 18:46	17°♄24'10	
max. Earth dist.	-6449 Dec 03 j 02:41	25°♄09'01	6.06536 AU	max. Earth dist.	-6443 May 29 j 02:00	17°♄14'56	6.31816 AU
morning rise	-6449 Dec 15 j 14:58	28°♄06'24		morning rise	-6443 Jun 11 j 19:12	20°♄16'43	
	-6449 Dec 23 j 17:31	0°♍			-6443 Jul 29 j 03:12	0°♄	
	-6448 Mar 10 j 18:07	15°♍		retrograde	-6443 Oct 10 j 23:55	7°♄39'16	
retrograde	-6448 Apr 25 j 01:57	18°♍04'53		opposition	-6443 Dec 09 j 16:40	2°♄44'08	0°36'32
	-6448 Jun 09 j 13:05	15°♍		min. Earth dist.	-6443 Dec 10 j 05:01	2°♄40'05	4.34779 AU
opposition	-6448 Jun 24 j 15:53	13°♍02'42	-0°59'34		-6443 Dec 31 j 18:37	30°♄	

Attention, astronomical year style is used: The year -6442 in astronomical counting style is the year 6443 BCE in historical counting style.

direct	-6442 Feb 09 j 12:51	27° Υ 40'25		minimum elong	-6437 Dec 07 j 09:25	29° Ω 58'55	0°20'45
	-6442 Mar 21 j 16:19	0° \mathcal{B}			-6437 Dec 07 j 11:15	0° \mathcal{M}	
	-6442 Jun 14 j 04:06	15° \mathcal{B}		max. Earth dist.	-6437 Dec 08 j 03:12	0° \mathcal{M} 09'27	6.06067 AU
evening set	-6442 Jun 17 j 17:09	15° \mathcal{B} 46'22		morning rise	-6437 Dec 20 j 13:17	3° \mathcal{M} 05'30	
					-6436 Feb 13 j 12:20	15° \mathcal{M}	
conjunction	-6442 Jun 30 j 19:38	18° \mathcal{B} 39'18	0°47'46	retrograde	-6436 Apr 30 j 03:14	23° \mathcal{M} 06'15	
minimum elong	-6442 Jun 30 j 19:34	18° \mathcal{B} 39'16	0°48'03	opposition	-6436 Jun 29 j 16:14	18° \mathcal{M} 03'36	-1°09'28
max. Earth dist.	-6442 Jun 29 j 15:04	18° \mathcal{B} 23'33	6.36568 AU	min. Earth dist.	-6436 Jun 28 j 20:53	18° \mathcal{M} 10'03	4.04175 AU
morning rise	-6442 Jul 13 j 18:49	21° \mathcal{B} 30'32			-6436 Jul 24 j 13:03	15° $\mathcal{R}\mathcal{M}$	
	-6442 Aug 23 j 17:01	0° \mathcal{I}		direct	-6436 Aug 27 j 01:09	13° \mathcal{M} 09'56	
retrograde	-6442 Nov 11 j 03:13	8° \mathcal{I} 37'18			-6436 Sep 29 j 09:07	15° \mathcal{M}	
opposition	-6441 Jan 10 j 07:49	3° \mathcal{I} 44'52	1°36'23		-6436 Dec 19 j 11:10	0° \mathcal{A}	
min. Earth dist.	-6441 Jan 11 j 07:34	3° \mathcal{I} 37'12	4.37194 AU	evening set	-6436 Dec 29 j 03:38	2° \mathcal{A} 15'44	
	-6441 Feb 12 j 07:30	30° $\mathcal{R}\mathcal{B}$					
direct	-6441 Mar 13 j 20:21	28° \mathcal{B} 42'39		conjunction	-6435 Jan 11 j 11:50	5° \mathcal{A} 24'49	-1°06'53
	-6441 Apr 12 j 13:14	0° \mathcal{I}		minimum elong	-6435 Jan 11 j 11:46	5° \mathcal{A} 24'46	1°07'15
evening set	-6441 Jul 19 j 08:56	16° \mathcal{I} 42'20		max. Earth dist.	-6435 Jan 12 j 23:03	5° \mathcal{A} 45'39	6.03610 AU
max. Earth dist.	-6441 Jul 30 j 13:16	19° \mathcal{I} 10'49	6.36343 AU	morning rise	-6435 Jan 24 j 23:30	8° \mathcal{A} 35'39	
				retrograde	-6435 Jun 05 j 17:02	28° \mathcal{A} 43'34	
conjunction	-6441 Aug 01 j 02:17	19° \mathcal{I} 31'23	1°20'15	opposition	-6435 Aug 04 j 15:36	23° \mathcal{A} 38'36	-2°02'24
minimum elong	-6441 Aug 01 j 02:14	19° \mathcal{I} 31'21	1°20'39	min. Earth dist.	-6435 Aug 03 j 13:13	23° \mathcal{A} 47'34	4.04715 AU
morning rise	-6441 Aug 13 j 16:36	22° \mathcal{I} 19'02		direct	-6435 Oct 01 j 17:30	18° \mathcal{A} 42'14	
	-6441 Sep 19 j 02:51	0° \mathcal{E}			-6435 Dec 30 j 18:42	0° \mathcal{B}	
retrograde	-6441 Dec 12 j 19:14	9° \mathcal{E} 35'02		evening set	-6434 Feb 04 j 00:18	7° \mathcal{B} 52'39	
opposition	-6440 Feb 11 j 13:21	4° \mathcal{E} 43'38	2°09'00				
min. Earth dist.	-6440 Feb 12 j 16:35	4° \mathcal{E} 34'58	4.34489 AU	conjunction	-6434 Feb 17 j 14:45	11° \mathcal{B} 02'47	-1°28'27
	-6440 Mar 31 j 19:14	30° $\mathcal{R}\mathcal{I}$		minimum elong	-6434 Feb 17 j 14:45	11° \mathcal{B} 02'46	1°28'52
direct	-6440 Apr 14 j 01:31	29° \mathcal{I} 44'03		max. Earth dist.	-6434 Feb 19 j 09:00	11° \mathcal{B} 27'25	6.06969 AU
	-6440 Apr 27 j 09:28	0° \mathcal{E}		morning rise	-6434 Mar 03 j 07:18	14° \mathcal{B} 13'55	
evening set	-6440 Aug 18 j 12:46	17° \mathcal{E} 46'49			-6434 May 21 j 12:29	0° \mathcal{A}	
max. Earth dist.	-6440 Aug 29 j 11:20	20° \mathcal{E} 14'28	6.31273 AU	retrograde	-6434 Jul 11 j 03:23	3° \mathcal{A} 53'36	
					-6434 Aug 30 j 19:04	30° $\mathcal{R}\mathcal{B}$	
conjunction	-6440 Aug 31 j 00:18	20° \mathcal{E} 35'19	1°29'55	opposition	-6434 Sep 08 j 13:05	28° \mathcal{B} 48'53	-2°09'28
minimum elong	-6440 Aug 31 j 00:18	20° \mathcal{E} 35'19	1°30'19	min. Earth dist.	-6434 Sep 07 j 13:28	28° \mathcal{B} 56'58	4.10621 AU
morning rise	-6440 Sep 12 j 10:28	23° \mathcal{E} 23'14		direct	-6434 Nov 06 j 02:09	23° \mathcal{B} 49'07	
	-6440 Oct 12 j 23:09	0° \mathcal{Q}			-6433 Jan 09 j 16:59	0° \mathcal{A}	
retrograde	-6439 Jan 13 j 18:48	11° \mathcal{Q} 10'28		evening set	-6433 Mar 12 j 18:56	12° \mathcal{A} 49'30	
opposition	-6439 Mar 15 j 21:34	6° \mathcal{Q} 18'09	2°04'39		-6433 Mar 22 j 07:50	15° \mathcal{A}	
min. Earth dist.	-6439 Mar 16 j 21:38	6° \mathcal{Q} 10'31	4.27402 AU				
direct	-6439 May 16 j 19:17	1° \mathcal{Q} 21'28		conjunction	-6433 Mar 26 j 12:44	15° \mathcal{A} 57'39	-1°17'41
	-6439 Aug 29 j 09:26	15° \mathcal{Q}		minimum elong	-6433 Mar 26 j 12:48	15° \mathcal{A} 57'42	1°17'59
evening set	-6439 Sep 18 j 22:16	19° \mathcal{Q} 35'20		max. Earth dist.	-6433 Mar 27 j 19:28	16° \mathcal{A} 15'13	6.14868 AU
max. Earth dist.	-6439 Sep 30 j 08:41	22° \mathcal{Q} 12'44	6.22770 AU	morning rise	-6433 Apr 09 j 07:02	19° \mathcal{A} 05'49	
					-6433 May 31 j 01:09	0° \mathcal{H}	
conjunction	-6439 Oct 01 j 09:57	22° \mathcal{Q} 27'16	1°12'57	retrograde	-6433 Aug 13 j 19:02	7° \mathcal{H} 54'23	
minimum elong	-6439 Oct 01 j 10:01	22° \mathcal{Q} 27'18	1°13'13	min. Earth dist.	-6433 Oct 11 j 11:27	2° \mathcal{H} 56'54	4.19653 AU
morning rise	-6439 Oct 13 j 21:53	25° \mathcal{Q} 19'32		opposition	-6433 Oct 12 j 01:16	2° \mathcal{H} 52'12	-1°31'19
	-6439 Nov 03 j 18:23	0° \mathcal{M}			-6433 Nov 03 j 14:59	30° $\mathcal{R}\mathcal{A}$	
retrograde	-6438 Feb 17 j 06:06	13° \mathcal{M} 53'01		direct	-6433 Dec 10 j 15:44	27° \mathcal{A} 49'34	
opposition	-6438 Apr 19 j 13:08	8° \mathcal{M} 58'02	1°21'16		-6432 Jan 17 j 04:01	0° \mathcal{H}	
min. Earth dist.	-6438 Apr 20 j 00:25	8° \mathcal{M} 54'26	4.17993 AU	evening set	-6432 Apr 16 j 10:54	16° \mathcal{H} 30'17	
direct	-6438 Jun 19 j 06:18	4° \mathcal{M} 03'55					
evening set	-6438 Oct 21 j 08:07	22° \mathcal{M} 34'41		conjunction	-6432 Apr 30 j 03:50	19° \mathcal{H} 34'06	-0°40'46
				minimum elong	-6432 Apr 30 j 03:54	19° \mathcal{H} 34'08	0°40'53
conjunction	-6438 Nov 03 j 00:54	25° \mathcal{M} 32'51	0°32'18	max. Earth dist.	-6432 Apr 30 j 14:34	19° \mathcal{H} 40'06	6.24408 AU
minimum elong	-6438 Nov 03 j 00:56	25° \mathcal{M} 32'53	0°32'22	morning rise	-6432 May 13 j 18:56	22° \mathcal{H} 36'52	
max. Earth dist.	-6438 Nov 02 j 19:15	25° \mathcal{M} 29'33	6.13350 AU		-6432 Jun 17 j 08:42	0° \mathcal{Y}	
morning rise	-6438 Nov 15 j 19:43	28° \mathcal{M} 32'15		retrograde	-6432 Sep 14 j 00:49	10° \mathcal{Y} 33'03	
	-6438 Nov 22 j 03:16	0° \mathcal{A}		opposition	-6432 Nov 12 j 09:12	5° \mathcal{Y} 34'43	-0°25'22
retrograde	-6437 Mar 25 j 07:50	17° \mathcal{A} 55'54		min. Earth dist.	-6432 Nov 12 j 09:49	5° \mathcal{Y} 34'31	4.28759 AU
opposition	-6437 May 25 j 08:28	12° \mathcal{A} 57'03	0°08'37	direct	-6431 Jan 12 j 06:33	0° \mathcal{Y} 30'49	
min. Earth dist.	-6437 May 25 j 04:09	12° \mathcal{A} 58'27	4.09221 AU	asc. node	-6431 Mar 30 j 13:18	8° \mathcal{Y} 26'28	
desc. node	-6437 Jul 06 j 22:38	8° \mathcal{A} 32'04		evening set	-6431 May 20 j 13:18	18° \mathcal{Y} 50'47	
direct	-6437 Jul 23 j 18:59	8° \mathcal{A} 04'07					
evening set	-6437 Nov 24 j 08:49	26° \mathcal{A} 54'10		conjunction	-6431 Jun 02 j 23:59	21° \mathcal{Y} 48'48	0°08'01
				minimum elong	-6431 Jun 02 j 23:59	21° \mathcal{Y} 48'47	0°08'08
conjunction	-6437 Dec 07 j 09:27	29° \mathcal{A} 58'56	-0°20'34	behind sun begin	-6431 Jun 02 j 16:43	21° \mathcal{Y} 44'48	

Attention, astronomical year style is used: The year -6431 in astronomical counting style is the year 6432 BCE in historical counting style.

behind sun end	-6431 Jun 03 j 07:14	21° Υ 52'47		direct	-6425 Jul 28 j 13:33	12° Ω 57'05	
max. Earth dist.	-6431 Jun 02 j 11:27	21° Υ 41'53	6.32439 AU		-6425 Nov 21 j 09:39	0° \mathbb{M}	
morning rise	-6431 Jun 16 j 07:36	24° Υ 45'10		evening set	-6425 Nov 29 j 04:33	1° \mathbb{M} 49'23	
	-6431 Jul 10 j 19:08	0° \mathcal{B}					
retrograde	-6431 Oct 15 j 07:26	12° \mathcal{B} 05'01		conjunction	-6425 Dec 12 j 06:10	4° \mathbb{M} 54'52	-0°27'47
opposition	-6431 Dec 14 j 01:41	7° \mathcal{B} 10'17	0°45'55	minimum elong	-6425 Dec 12 j 06:07	4° \mathbb{M} 54'50	0°27'58
min. Earth dist.	-6431 Dec 14 j 15:49	7° \mathcal{B} 05'39	4.35138 AU	max. Earth dist.	-6425 Dec 13 j 01:42	5° \mathbb{M} 06'26	6.05453 AU
direct	-6430 Feb 14 j 00:43	2° \mathcal{B} 06'40		morning rise	-6425 Dec 25 j 11:12	8° \mathbb{M} 02'12	
	-6430 May 28 j 18:57	15° \mathcal{B}			-6424 Jan 25 j 01:38	15° \mathbb{M}	
evening set	-6430 Jun 22 j 04:08	20° \mathcal{B} 12'04		retrograde	-6424 May 05 j 04:06	28° \mathbb{M} 05'58	
max. Earth dist.	-6430 Jul 04 j 00:41	22° \mathcal{B} 48'33	6.36637 AU	opposition	-6424 Jul 04 j 15:37	23° \mathbb{M} 02'53	-1°18'52
				min. Earth dist.	-6424 Jul 03 j 19:00	23° \mathbb{M} 09'47	4.03874 AU
conjunction	-6430 Jul 05 j 05:27	23° \mathcal{B} 04'25	0°53'21	direct	-6424 Aug 31 j 23:03	18° \mathbb{M} 08'54	
minimum elong	-6430 Jul 05 j 05:23	23° \mathcal{B} 04'23	0°53'40		-6424 Dec 02 j 03:51	0° \mathcal{A}	
morning rise	-6430 Jul 18 j 03:10	25° \mathcal{B} 55'04		evening set	-6423 Jan 03 j 04:03	7° \mathcal{A} 16'25	
	-6430 Aug 06 j 01:46	0° \mathbb{I}					
retrograde	-6430 Nov 15 j 11:42	13° \mathbb{I} 02'13		conjunction	-6423 Jan 16 j 13:22	10° \mathcal{A} 25'55	-1°11'37
opposition	-6429 Jan 14 j 18:37	8° \mathbb{I} 10'02	1°42'48	minimum elong	-6423 Jan 16 j 13:18	10° \mathcal{A} 25'53	1°12'00
min. Earth dist.	-6429 Jan 15 j 18:34	8° \mathbb{I} 02'20	4.36994 AU	max. Earth dist.	-6423 Jan 18 j 03:20	10° \mathcal{A} 48'21	6.03640 AU
direct	-6429 Mar 18 j 07:43	3° \mathbb{I} 08'11		morning rise	-6423 Jan 30 j 01:47	13° \mathcal{A} 37'04	
evening set	-6429 Jul 23 j 17:54	21° \mathbb{I} 08'02			-6423 Apr 22 j 01:17	0° \mathcal{B}	
max. Earth dist.	-6429 Aug 03 j 19:39	23° \mathbb{I} 35'25	6.35868 AU	retrograde	-6423 Jun 10 j 17:30	3° \mathcal{B} 43'39	
					-6423 Jul 30 j 10:30	30° \mathcal{R} \mathcal{A}	
conjunction	-6429 Aug 05 j 10:02	23° \mathbb{I} 56'46	1°23'05	min. Earth dist.	-6423 Aug 08 j 10:48	28° \mathcal{A} 47'28	4.05087 AU
minimum elong	-6429 Aug 05 j 09:59	23° \mathbb{I} 56'44	1°23'29	opposition	-6423 Aug 09 j 12:48	28° \mathcal{A} 38'37	-2°06'18
morning rise	-6429 Aug 17 j 23:36	26° \mathbb{I} 44'16		direct	-6423 Oct 06 j 14:59	23° \mathcal{A} 41'50	
	-6429 Sep 01 j 22:01	0° \mathcal{E}			-6423 Dec 10 j 02:13	0° \mathcal{B}	
retrograde	-6429 Dec 17 j 08:26	14° \mathcal{E} 03'22		evening set	-6422 Feb 09 j 02:44	12° \mathcal{B} 52'24	
opposition	-6428 Feb 16 j 03:27	9° \mathcal{E} 11'56	2°10'42				
min. Earth dist.	-6428 Feb 17 j 07:01	9° \mathcal{E} 03'10	4.33777 AU	conjunction	-6422 Feb 22 j 17:43	16° \mathcal{B} 02'30	-1°28'51
direct	-6428 Apr 18 j 15:22	4° \mathcal{E} 12'41		minimum elong	-6422 Feb 22 j 17:44	16° \mathcal{B} 02'30	1°29'17
evening set	-6428 Aug 22 j 21:15	22° \mathcal{E} 16'15		max. Earth dist.	-6422 Feb 24 j 09:54	16° \mathcal{B} 25'53	6.07619 AU
max. Earth dist.	-6428 Sep 02 j 21:49	24° \mathcal{E} 45'20	6.30373 AU	morning rise	-6422 Mar 08 j 10:57	19° \mathcal{B} 13'34	
					-6422 Apr 27 j 09:05	0° \approx	
conjunction	-6428 Sep 04 j 08:34	25° \mathcal{E} 04'58	1°29'08	retrograde	-6422 Jul 15 j 20:49	8° \approx 48'11	
minimum elong	-6428 Sep 04 j 08:36	25° \mathcal{E} 04'59	1°29'32	min. Earth dist.	-6422 Sep 12 j 07:22	3° \approx 51'36	4.11477 AU
morning rise	-6428 Sep 16 j 18:29	27° \mathcal{E} 53'11		opposition	-6422 Sep 13 j 06:32	3° \approx 43'41	-2°06'37
	-6428 Sep 26 j 05:47	0° Ω			-6422 Oct 14 j 06:09	30° \mathcal{R} \mathcal{B}	
	-6428 Dec 27 j 06:08	15° Ω		direct	-6422 Nov 10 j 21:32	28° \mathcal{B} 43'27	
retrograde	-6427 Jan 18 j 10:17	15° Ω 45'28			-6422 Dec 08 j 20:39	0° \approx	
	-6427 Feb 09 j 17:21	15° \mathcal{R} Ω			-6421 Mar 05 j 18:18	15° \approx	
opposition	-6427 Mar 20 j 15:14	10° Ω 52'53	2°00'49	evening set	-6421 Mar 17 j 19:47	17° \approx 42'37	
min. Earth dist.	-6427 Mar 21 j 13:13	10° Ω 45'54	4.26362 AU				
direct	-6427 May 21 j 09:10	5° Ω 56'36		conjunction	-6421 Mar 31 j 13:55	20° \approx 50'28	-1°13'48
	-6427 Aug 11 j 14:23	15° Ω		minimum elong	-6421 Mar 31 j 13:59	20° \approx 50'30	1°14'06
evening set	-6427 Sep 23 j 08:32	24° Ω 11'49		max. Earth dist.	-6421 Apr 01 j 18:46	21° \approx 06'55	6.15880 AU
				morning rise	-6421 Apr 14 j 08:02	23° \approx 58'08	
conjunction	-6427 Oct 05 j 20:31	27° Ω 04'23	1°08'32		-6421 May 11 j 18:05	0° \mathcal{H}	
minimum elong	-6427 Oct 05 j 20:35	27° Ω 04'25	1°08'48	retrograde	-6421 Aug 18 j 10:19	12° \mathcal{H} 40'11	
max. Earth dist.	-6427 Oct 04 j 21:13	26° Ω 50'57	6.21664 AU	opposition	-6421 Oct 16 j 15:16	7° \mathcal{H} 38'32	-1°23'15
morning rise	-6427 Oct 18 j 09:10	29° Ω 57'25		min. Earth dist.	-6421 Oct 16 j 03:47	7° \mathcal{H} 42'26	4.20701 AU
	-6427 Oct 18 j 13:40	0° \mathbb{P}		direct	-6421 Dec 15 j 09:57	2° \mathcal{H} 35'41	
retrograde	-6426 Feb 22 j 04:41	18° \mathbb{P} 37'11		evening set	-6420 Apr 21 j 07:59	21° \mathcal{H} 14'24	
opposition	-6426 Apr 24 j 10:36	13° \mathbb{P} 41'42	1°12'32				
min. Earth dist.	-6426 Apr 24 j 20:32	13° \mathbb{P} 38'31	4.16863 AU	conjunction	-6420 May 05 j 00:24	24° \mathcal{H} 17'37	-0°34'16
direct	-6426 Jun 24 j 00:28	8° \mathbb{P} 47'47		minimum elong	-6420 May 05 j 00:27	24° \mathcal{H} 17'39	0°34'20
evening set	-6426 Oct 25 j 22:08	27° \mathbb{P} 20'31		max. Earth dist.	-6420 May 05 j 08:01	24° \mathcal{H} 21'52	6.25430 AU
	-6426 Nov 06 j 06:35	0° $\underline{\Omega}$		morning rise	-6420 May 18 j 14:50	27° \mathcal{H} 19'41	
					-6420 May 30 j 18:33	0° Υ	
conjunction	-6426 Nov 07 j 15:56	0° $\underline{\Omega}$ 19'34	0°25'22	retrograde	-6420 Sep 18 j 10:42	15° Υ 10'26	
minimum elong	-6426 Nov 07 j 15:58	0° $\underline{\Omega}$ 19'35	0°25'24	opposition	-6420 Nov 16 j 21:00	10° Υ 12'38	-0°15'09
max. Earth dist.	-6426 Nov 07 j 13:36	0° $\underline{\Omega}$ 18'12	6.12308 AU	min. Earth dist.	-6420 Nov 16 j 22:40	10° Υ 12'04	4.29690 AU
morning rise	-6426 Nov 20 j 11:54	3° $\underline{\Omega}$ 19'57		direct	-6419 Jan 16 j 21:43	5° Υ 08'42	
retrograde	-6425 Mar 30 j 08:07	22° $\underline{\Omega}$ 49'18		asc. node	-6419 Feb 06 j 23:24	5° Υ 49'34	
desc. node	-6425 May 18 j 02:12	19° $\underline{\Omega}$ 24'17		evening set	-6419 May 25 j 05:40	23° Υ 26'40	
opposition	-6425 May 30 j 08:00	17° $\underline{\Omega}$ 49'57	-0°02'29				
min. Earth dist.	-6425 May 30 j 01:18	17° $\underline{\Omega}$ 52'08	4.08364 AU	conjunction	-6419 Jun 07 j 15:12	26° Υ 23'52	0°14'55

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Attention, astronomical year style is used: The year -6419 in astronomical counting style is the year 6420 BCE in historical counting style.

minimum elong	-6419 Jun 07 j 15:10	26° Υ 23'51	0°15'03	desc. node	-6413 Mar 30 j 14:31	27° $\underline{\mathbf{a}}$ 34'07	
behind sun begin	-6419 Jun 07 j 12:29	26° Υ 22'22		retrograde	-6413 Apr 04 j 05:43	27° $\underline{\mathbf{a}}$ 36'11	
behind sun end	-6419 Jun 07 j 17:52	26° Υ 25'20		opposition	-6413 Jun 04 j 04:30	22° $\underline{\mathbf{a}}$ 36'15	-0°13'19
max. Earth dist.	-6419 Jun 07 j 01:08	26° Υ 16'06	6.33245 AU	min. Earth dist.	-6413 Jun 03 j 20:10	22° $\underline{\mathbf{a}}$ 38'59	4.07433 AU
morning rise	-6419 Jun 20 j 21:28	29° Υ 19'23		direct	-6413 Aug 02 j 06:39	17° $\underline{\mathbf{a}}$ 43'17	
	-6419 Jun 23 j 23:40	0° $\mathbf{8}$			-6413 Nov 04 j 20:36	0° \mathbf{m}	
	-6419 Sep 17 j 19:19	15° $\mathbf{8}$		evening set	-6413 Dec 03 j 22:04	6° \mathbf{m} 38'29	
retrograde	-6419 Oct 19 j 17:15	16° $\mathbf{8}$ 35'59					
	-6419 Nov 20 j 15:43	15° $\mathbf{8}$		conjunction	-6413 Dec 17 j 00:57	9° \mathbf{m} 44'49	-0°34'37
opposition	-6419 Dec 18 j 12:55	11° $\mathbf{8}$ 41'44	0°55'10	minimum elong	-6413 Dec 17 j 00:54	9° \mathbf{m} 44'47	0°34'51
min. Earth dist.	-6419 Dec 19 j 04:24	11° $\mathbf{8}$ 36'41	4.35782 AU	max. Earth dist.	-6413 Dec 17 j 23:50	9° \mathbf{m} 58'23	6.04685 AU
direct	-6418 Feb 18 j 15:21	6° $\mathbf{8}$ 38'23		morning rise	-6413 Dec 30 j 07:02	12° \mathbf{m} 52'59	
	-6418 May 10 j 04:53	15° $\mathbf{8}$			-6412 Jan 08 j 08:27	15° \mathbf{m}	
evening set	-6418 Jun 26 j 16:12	24° $\mathbf{8}$ 41'49			-6412 Mar 26 j 14:47	0° $\mathbf{7}$	
max. Earth dist.	-6418 Jul 08 j 09:12	27° $\mathbf{8}$ 16'24	6.37064 AU	retrograde	-6412 May 10 j 05:05	3° $\mathbf{7}$ 00'19	
					-6412 Jun 23 j 18:28	30° $\mathbf{8}$ \mathbf{m}	
conjunction	-6418 Jul 09 j 16:02	27° $\mathbf{8}$ 33'24	0°58'40	opposition	-6412 Jul 09 j 12:53	27° \mathbf{m} 56'55	-1°27'30
minimum elong	-6418 Jul 09 j 15:58	27° $\mathbf{8}$ 33'22	0°59'00	min. Earth dist.	-6412 Jul 08 j 15:55	28° \mathbf{m} 03'57	4.03369 AU
	-6418 Jul 20 j 18:01	0° \mathbf{II}		direct	-6412 Sep 05 j 18:16	23° \mathbf{m} 02'40	
morning rise	-6418 Jul 22 j 12:30	0° \mathbf{II} 23'19			-6412 Nov 12 j 13:09	0° $\mathbf{7}$	
retrograde	-6418 Nov 19 j 21:10	17° \mathbf{II} 29'44		evening set	-6411 Jan 08 j 03:28	12° $\mathbf{7}$ 12'52	
opposition	-6417 Jan 19 j 06:24	12° \mathbf{II} 37'42	1°48'38				
min. Earth dist.	-6417 Jan 20 j 06:48	12° \mathbf{II} 29'52	4.37205 AU	conjunction	-6411 Jan 21 j 13:35	15° $\mathbf{7}$ 22'51	-1°15'43
direct	-6417 Mar 22 j 20:45	7° \mathbf{II} 36'08		minimum elong	-6411 Jan 21 j 13:31	15° $\mathbf{7}$ 22'49	1°16'06
evening set	-6417 Jul 28 j 02:29	25° \mathbf{II} 34'31		max. Earth dist.	-6411 Jan 23 j 03:10	15° $\mathbf{7}$ 45'02	6.03424 AU
max. Earth dist.	-6417 Aug 08 j 04:53	28° \mathbf{II} 02'19	6.35843 AU	morning rise	-6411 Feb 04 j 03:04	18° $\mathbf{7}$ 34'29	
					-6411 Mar 28 j 14:16	0° $\mathbf{3}$	
conjunction	-6417 Aug 09 j 17:41	28° \mathbf{II} 22'48	1°25'25	retrograde	-6411 Jun 15 j 14:33	8° $\mathbf{3}$ 40'32	
minimum elong	-6417 Aug 09 j 17:38	28° \mathbf{II} 22'47	1°25'50	min. Earth dist.	-6411 Aug 13 j 05:42	3° $\mathbf{3}$ 44'34	4.05213 AU
	-6417 Aug 17 j 00:12	0° $\mathbf{6}$		opposition	-6411 Aug 14 j 08:31	3° $\mathbf{3}$ 35'26	-2°09'12
morning rise	-6417 Aug 22 j 06:11	1° $\mathbf{6}$ 09'54			-6411 Sep 12 j 23:57	30° $\mathbf{8}$ $\mathbf{7}$	
retrograde	-6417 Dec 21 j 18:58	18° $\mathbf{6}$ 30'39		direct	-6411 Oct 11 j 10:03	28° $\mathbf{7}$ 38'10	
opposition	-6416 Feb 20 j 16:53	13° $\mathbf{6}$ 39'09	2°11'33		-6411 Nov 09 j 00:29	0° $\mathbf{3}$	
min. Earth dist.	-6416 Feb 21 j 19:50	13° $\mathbf{6}$ 30'36	4.33511 AU	evening set	-6410 Feb 14 j 04:50	17° $\mathbf{3}$ 49'54	
direct	-6416 Apr 23 j 03:46	8° $\mathbf{6}$ 40'19					
evening set	-6416 Aug 27 j 04:12	26° $\mathbf{6}$ 43'03		conjunction	-6410 Feb 27 j 20:40	21° $\mathbf{3}$ 00'09	-1°28'34
max. Earth dist.	-6416 Sep 07 j 04:11	29° $\mathbf{6}$ 12'03	6.29874 AU	minimum elong	-6410 Feb 27 j 20:41	21° $\mathbf{3}$ 00'10	1°28'58
				max. Earth dist.	-6410 Mar 01 j 12:51	21° $\mathbf{3}$ 23'31	6.08092 AU
conjunction	-6416 Sep 08 j 15:02	29° $\mathbf{6}$ 31'47	1°27'49	morning rise	-6410 Mar 13 j 14:14	24° $\mathbf{3}$ 11'09	
minimum elong	-6416 Sep 08 j 15:04	29° $\mathbf{6}$ 31'48	1°28'11		-6410 Apr 08 j 11:03	0° $\mathbf{\approx}$	
	-6416 Sep 10 j 16:52	0° $\mathbf{\Omega}$		retrograde	-6410 Jul 20 j 16:17	13° $\mathbf{\approx}$ 41'06	
morning rise	-6416 Sep 21 j 01:01	2° $\mathbf{\Omega}$ 20'12		opposition	-6410 Sep 17 j 23:35	8° $\mathbf{\approx}$ 36'52	-2°02'48
	-6416 Nov 23 j 03:02	15° $\mathbf{\Omega}$		min. Earth dist.	-6410 Sep 17 j 02:08	8° $\mathbf{\approx}$ 44'12	4.12236 AU
retrograde	-6415 Jan 23 j 01:35	20° $\mathbf{\Omega}$ 16'25		direct	-6410 Nov 15 j 17:53	3° $\mathbf{\approx}$ 36'13	
opposition	-6415 Mar 25 j 07:13	15° $\mathbf{\Omega}$ 23'28	1°56'16		-6409 Feb 16 j 03:04	15° $\mathbf{\approx}$	
min. Earth dist.	-6415 Mar 26 j 04:29	15° $\mathbf{\Omega}$ 16'42	4.25631 AU	evening set	-6409 Mar 22 j 20:29	22° $\mathbf{\approx}$ 34'15	
	-6415 Mar 28 j 09:04	15° $\mathbf{8}$ $\mathbf{\Omega}$					
direct	-6415 May 25 j 22:48	10° $\mathbf{\Omega}$ 27'27		conjunction	-6409 Apr 05 j 14:48	25° $\mathbf{\approx}$ 41'47	-1°09'23
	-6415 Jul 21 j 01:50	15° $\mathbf{\Omega}$		minimum elong	-6409 Apr 05 j 14:52	25° $\mathbf{\approx}$ 41'49	1°09'40
evening set	-6415 Sep 27 j 16:19	28° $\mathbf{\Omega}$ 43'02		max. Earth dist.	-6409 Apr 06 j 18:03	25° $\mathbf{\approx}$ 57'16	6.16874 AU
	-6415 Oct 03 j 06:15	0° \mathbf{m}		morning rise	-6409 Apr 19 j 08:50	28° $\mathbf{\approx}$ 48'59	
max. Earth dist.	-6415 Oct 09 j 08:21	1° \mathbf{m} 24'18	6.20782 AU		-6409 Apr 24 j 15:11	0° \mathbf{H}	
				retrograde	-6409 Aug 22 j 22:52	17° \mathbf{H} 24'20	
conjunction	-6415 Oct 10 j 04:55	1° \mathbf{m} 36'11	1°03'47	opposition	-6409 Oct 21 j 04:56	12° \mathbf{H} 23'07	-1°14'37
minimum elong	-6415 Oct 10 j 04:59	1° \mathbf{m} 36'13	1°04'01	min. Earth dist.	-6409 Oct 20 j 17:53	12° \mathbf{H} 26'52	4.21826 AU
morning rise	-6415 Oct 22 j 18:08	4° \mathbf{m} 29'53		direct	-6409 Dec 20 j 02:51	7° \mathbf{H} 20'01	
retrograde	-6414 Feb 26 j 22:53	23° \mathbf{m} 15'04		evening set	-6408 Apr 26 j 04:17	25° \mathbf{H} 56'07	
opposition	-6414 Apr 29 j 05:01	18° \mathbf{m} 19'08	1°03'31				
min. Earth dist.	-6414 Apr 29 j 13:18	18° \mathbf{m} 16'28	4.15880 AU	conjunction	-6408 May 09 j 19:59	28° \mathbf{H} 58'34	-0°27'34
direct	-6414 Jun 28 j 14:33	13° \mathbf{m} 25'26		minimum elong	-6408 May 09 j 20:01	28° \mathbf{H} 58'36	0°27'36
	-6414 Oct 21 j 19:00	0° $\mathbf{\underline{a}}$		max. Earth dist.	-6408 May 10 j 00:36	29° \mathbf{H} 01'09	6.26604 AU
evening set	-6414 Oct 30 j 10:01	1° $\mathbf{\underline{a}}$ 59'57			-6408 May 14 j 10:04	0° $\mathbf{\Upsilon}$	
				morning rise	-6408 May 23 j 09:33	1° $\mathbf{\Upsilon}$ 59'47	
conjunction	-6414 Nov 12 j 04:38	4° $\mathbf{\underline{a}}$ 59'49	0°18'26	retrograde	-6408 Sep 22 j 21:45	19° $\mathbf{\Upsilon}$ 44'33	
minimum elong	-6414 Nov 12 j 04:40	4° $\mathbf{\underline{a}}$ 59'50	0°18'26	opposition	-6408 Nov 21 j 08:04	14° $\mathbf{\Upsilon}$ 47'14	-0°04'54
max. Earth dist.	-6414 Nov 12 j 03:25	4° $\mathbf{\underline{a}}$ 59'06	6.11313 AU	min. Earth dist.	-6408 Nov 21 j 12:12	14° $\mathbf{\Upsilon}$ 45'52	4.30782 AU
morning rise	-6414 Nov 25 j 01:51	8° $\mathbf{\underline{a}}$ 01'09		asc. node	-6408 Dec 17 j 20:43	11° $\mathbf{\Upsilon}$ 33'12	

Attention, astronomical year style is used: The year -6407 in astronomical counting style is the year 6408 BCE in historical counting style.

direct	-6407 Jan 21 j 13:56	9° Υ 43'16		max. Earth dist.	-6402 Nov 17 j 01:47	9° Ω 55'07	6.09984 AU
evening set	-6407 May 29 j 20:33	27° Υ 58'26		morning rise	-6402 Nov 29 j 20:53	12° Ω 55'42	
	-6407 Jun 08 j 01:39	0° \mathcal{B}		desc. node	-6401 Feb 07 j 17:56	27° Ω 20'38	
					-6401 Feb 26 j 14:53	0° \mathcal{M}	
conjunction	-6407 Jun 12 j 04:52	0° \mathcal{B} 54'45	0°21'41	retrograde	-6401 Apr 09 j 10:21	2° \mathcal{M} 37'24	
minimum elong	-6407 Jun 12 j 04:50	0° \mathcal{B} 54'44	0°21'52		-6401 May 21 j 08:28	30° \mathcal{R} Ω	
max. Earth dist.	-6407 Jun 11 j 12:33	0° \mathcal{B} 45'45	6.34138 AU	opposition	-6401 Jun 09 j 06:25	27° Ω 37'02	-0°24'34
morning rise	-6407 Jun 25 j 09:45	3° \mathcal{B} 49'20		min. Earth dist.	-6401 Jun 08 j 20:33	27° Ω 40'17	4.06392 AU
	-6407 Aug 20 j 05:55	15° \mathcal{B}		direct	-6401 Aug 07 j 05:14	22° Ω 44'06	
retrograde	-6407 Oct 24 j 00:17	21° \mathcal{B} 02'35			-6401 Oct 16 j 00:22	0° \mathcal{M}	
opposition	-6407 Dec 22 j 22:39	16° \mathcal{B} 08'40	1°04'01	evening set	-6401 Dec 08 j 21:51	11° \mathcal{M} 42'35	
min. Earth dist.	-6407 Dec 23 j 15:01	16° \mathcal{B} 03'20	4.36410 AU				
	-6407 Dec 31 j 19:28	15° \mathcal{R} \mathcal{B}		conjunction	-6401 Dec 22 j 01:40	14° \mathcal{M} 49'40	-0°41'33
direct	-6406 Feb 23 j 02:59	11° \mathcal{B} 05'27		minimum elong	-6401 Dec 22 j 01:37	14° \mathcal{M} 49'38	0°41'49
	-6406 Apr 17 j 03:55	15° \mathcal{B}			-6401 Dec 22 j 19:05	15° \mathcal{M}	
evening set	-6406 Jul 01 j 02:27	29° \mathcal{B} 07'10		max. Earth dist.	-6401 Dec 23 j 02:20	15° \mathcal{M} 04'18	6.04028 AU
	-6406 Jul 05 j 02:47	0° \mathcal{I}		morning rise	-6400 Jan 04 j 09:06	17° \mathcal{M} 58'39	
max. Earth dist.	-6406 Jul 12 j 17:05	1° \mathcal{I} 40'28	6.37346 AU		-6400 Feb 28 j 18:20	0° \mathcal{X}	
				retrograde	-6400 May 15 j 08:07	8° \mathcal{X} 08'28	
conjunction	-6406 Jul 14 j 00:54	1° \mathcal{I} 58'03	1°03'38	opposition	-6400 Jul 14 j 14:39	3° \mathcal{X} 04'42	-1°35'52
minimum elong	-6406 Jul 14 j 00:50	1° \mathcal{I} 58'01	1°03'58	min. Earth dist.	-6400 Jul 13 j 15:13	3° \mathcal{X} 12'36	4.03224 AU
morning rise	-6406 Jul 26 j 20:01	4° \mathcal{I} 47'18			-6400 Aug 08 j 10:32	30° \mathcal{R} \mathcal{M}	
retrograde	-6406 Nov 24 j 06:31	21° \mathcal{I} 53'49		direct	-6400 Sep 10 j 17:37	28° \mathcal{M} 10'09	
opposition	-6405 Jan 23 j 17:16	17° \mathcal{I} 02'01	1°53'52		-6400 Oct 13 j 22:28	0° \mathcal{X}	
min. Earth dist.	-6405 Jan 24 j 19:03	16° \mathcal{I} 53'46	4.37119 AU	evening set	-6399 Jan 13 j 07:49	17° \mathcal{X} 21'36	
direct	-6405 Mar 27 j 08:50	12° \mathcal{I} 00'48					
evening set	-6405 Aug 01 j 10:04	29° \mathcal{I} 58'53		conjunction	-6399 Jan 26 j 18:59	20° \mathcal{X} 31'48	-1°19'27
	-6405 Aug 01 j 12:06	0° \mathcal{E}		minimum elong	-6399 Jan 26 j 18:55	20° \mathcal{X} 31'46	1°19'51
max. Earth dist.	-6405 Aug 12 j 09:55	2° \mathcal{E} 25'33	6.35359 AU	max. Earth dist.	-6399 Jan 28 j 11:23	20° \mathcal{X} 55'38	6.03817 AU
				morning rise	-6399 Feb 09 j 09:04	23° \mathcal{X} 43'30	
conjunction	-6405 Aug 14 j 00:17	2° \mathcal{E} 46'57	1°27'18		-6399 Mar 08 j 23:13	0° \mathcal{Z}	
minimum elong	-6405 Aug 14 j 00:15	2° \mathcal{E} 46'56	1°27'44	retrograde	-6399 Jun 20 j 15:18	13° \mathcal{Z} 45'54	
morning rise	-6405 Aug 26 j 12:13	5° \mathcal{E} 33'58		min. Earth dist.	-6399 Aug 18 j 04:55	8° \mathcal{Z} 49'41	4.06126 AU
retrograde	-6405 Dec 26 j 07:28	22° \mathcal{E} 58'18		opposition	-6399 Aug 19 j 07:09	8° \mathcal{Z} 40'44	-2°11'13
opposition	-6404 Feb 25 j 06:42	18° \mathcal{E} 06'42	2°11'47	direct	-6399 Oct 16 j 10:59	3° \mathcal{Z} 43'01	
min. Earth dist.	-6404 Feb 26 j 09:23	17° \mathcal{E} 58'14	4.32666 AU				
direct	-6404 Apr 27 j 15:23	13° \mathcal{E} 08'13					
	-6404 Aug 26 j 02:55	0° \mathcal{O}					
evening set	-6404 Aug 31 j 11:59	1° \mathcal{O} 12'20					
conjunction	-6404 Sep 12 j 22:51	4° \mathcal{O} 01'29	1°26'01				
minimum elong	-6404 Sep 12 j 22:53	4° \mathcal{O} 01'31	1°26'22				
max. Earth dist.	-6404 Sep 11 j 14:16	3° \mathcal{O} 43'00	6.28740 AU				
morning rise	-6404 Sep 25 j 08:46	6° \mathcal{O} 50'24					
	-6404 Nov 02 j 07:43	15° \mathcal{O}					
retrograde	-6403 Jan 27 j 19:31	24° \mathcal{O} 52'53					
opposition	-6403 Mar 30 j 01:17	19° \mathcal{O} 59'40	1°51'01				
min. Earth dist.	-6403 Mar 30 j 21:37	19° \mathcal{O} 53'12	4.24272 AU				
direct	-6403 May 30 j 13:06	15° \mathcal{O} 04'04					
	-6403 Sep 17 j 06:20	0° \mathcal{P}					
evening set	-6403 Oct 02 j 03:22	3° \mathcal{P} 22'22					
conjunction	-6403 Oct 14 j 16:27	6° \mathcal{P} 16'23	0°58'31				
minimum elong	-6403 Oct 14 j 16:31	6° \mathcal{P} 16'26	0°58'44				
max. Earth dist.	-6403 Oct 13 j 20:43	6° \mathcal{P} 04'57	6.19316 AU				
morning rise	-6403 Oct 27 j 06:45	9° \mathcal{P} 11'10					
retrograde	-6402 Mar 03 j 22:02	28° \mathcal{P} 04'05					
opposition	-6402 May 04 j 03:44	23° \mathcal{P} 07'37	0°53'47				
min. Earth dist.	-6402 May 04 j 09:39	23° \mathcal{P} 05'43	4.14403 AU				
direct	-6402 Jul 03 j 08:18	18° \mathcal{P} 14'07					
	-6402 Oct 04 j 16:50	0° \mathcal{U}					
evening set	-6402 Nov 04 j 02:38	6° \mathcal{U} 52'15					
conjunction	-6402 Nov 16 j 22:32	9° \mathcal{U} 53'13	0°11'06				
minimum elong	-6402 Nov 16 j 22:33	9° \mathcal{U} 53'13	0°11'04				
behind sun begin	-6402 Nov 16 j 16:28	9° \mathcal{U} 49'39					
behind sun end	-6402 Nov 17 j 04:39	9° \mathcal{U} 56'48					