

Planetary Phenomena of Neptune 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 Feb 20 j 20:03	28° <u>17</u> 52'14		opposition	-6894 May 26 j 01:35	10° <u>4</u> 42'04	1°06'18
opposition	-6900 May 11 j 20:25	27° <u>17</u> 28'01	1°36'49	direct	-6894 Aug 12 j 11:13	9° <u>4</u> 19'19	
min. Earth dist.	-6900 May 11 j 03:49	27° <u>17</u> 29'09	29.12290 AU	evening set	-6894 Nov 06 j 13:57	11° <u>4</u> 11'32	
direct	-6900 Jul 29 j 15:28	26° <u>17</u> 05'21					
evening set	-6900 Oct 24 j 03:39	27° <u>17</u> 58'02		conjunction	-6894 Nov 21 j 23:14	11° <u>4</u> 46'10	0°59'33
				minimum elong	-6894 Nov 21 j 23:15	11° <u>4</u> 46'10	0°59'30
conjunction	-6900 Nov 08 j 09:37	28° <u>17</u> 32'24	1°28'25	max. Earth dist.	-6894 Nov 22 j 21:05	11° <u>4</u> 48'14	31.05366 AU
minimum elong	-6900 Nov 08 j 09:38	28° <u>17</u> 32'24	1°28'28	morning rise	-6894 Dec 07 j 11:50	12° <u>4</u> 21'08	
max. Earth dist.	-6900 Nov 09 j 02:54	28° <u>17</u> 34'02	31.11748 AU	retrograde	-6893 Mar 08 j 10:02	14° <u>4</u> 19'14	
morning rise	-6900 Nov 23 j 18:20	29° <u>17</u> 07'03		opposition	-6893 May 28 j 14:14	12° <u>4</u> 54'25	1°00'49
	-6900 Dec 19 j 11:10	0° <u>4</u>		min. Earth dist.	-6893 May 27 j 16:56	12° <u>4</u> 55'53	29.04999 AU
retrograde	-6899 Feb 22 j 09:59	1° <u>4</u> 04'43		direct	-6893 Aug 14 j 21:40	11° <u>4</u> 31'42	
	-6899 May 02 j 07:13	30° <u>8</u>		evening set	-6893 Nov 08 j 23:53	13° <u>4</u> 23'53	
opposition	-6899 May 14 j 09:26	29° <u>17</u> 40'26	1°32'02				
min. Earth dist.	-6899 May 13 j 15:19	29° <u>17</u> 41'40	29.11342 AU	conjunction	-6893 Nov 24 j 09:39	13° <u>4</u> 58'33	0°54'23
direct	-6899 Aug 01 j 03:02	28° <u>17</u> 17'46		minimum elong	-6893 Nov 24 j 09:40	13° <u>4</u> 58'33	0°54'19
	-6899 Oct 21 j 19:54	0° <u>4</u>		max. Earth dist.	-6893 Nov 25 j 07:38	14° <u>4</u> 00'38	31.04556 AU
evening set	-6899 Oct 26 j 13:19	0° <u>4</u> 10'22		morning rise	-6893 Dec 09 j 22:58	14° <u>4</u> 33'35	
				retrograde	-6892 Mar 09 j 23:45	16° <u>4</u> 31'45	
conjunction	-6899 Nov 10 j 19:44	0° <u>4</u> 44'47	1°23'53	min. Earth dist.	-6892 May 29 j 04:09	15° <u>4</u> 08'27	29.04240 AU
minimum elong	-6899 Nov 10 j 19:45	0° <u>4</u> 44'47	1°23'55	opposition	-6892 May 30 j 02:45	15° <u>4</u> 06'55	0°55'15
max. Earth dist.	-6899 Nov 11 j 13:11	0° <u>4</u> 46'26	31.10738 AU	direct	-6892 Aug 16 j 07:39	13° <u>4</u> 44'13	
morning rise	-6899 Nov 26 j 05:11	1° <u>4</u> 19'29		evening set	-6892 Nov 10 j 09:53	15° <u>4</u> 36'23	
retrograde	-6898 Feb 24 j 22:11	3° <u>4</u> 17'14					
opposition	-6898 May 16 j 22:35	1° <u>4</u> 52'51	1°27'07	conjunction	-6892 Nov 25 j 20:14	16° <u>4</u> 11'06	0°49'08
min. Earth dist.	-6898 May 16 j 05:05	1° <u>4</u> 54'02	29.10272 AU	minimum elong	-6892 Nov 25 j 20:15	16° <u>4</u> 11'06	0°49'03
direct	-6898 Aug 03 j 14:19	0° <u>4</u> 30'10		max. Earth dist.	-6892 Nov 26 j 19:18	16° <u>4</u> 13'16	31.03843 AU
evening set	-6898 Oct 28 j 22:59	2° <u>4</u> 22'40		morning rise	-6892 Dec 11 j 10:11	16° <u>4</u> 46'10	
				retrograde	-6891 Mar 12 j 12:23	18° <u>4</u> 44'27	
conjunction	-6898 Nov 13 j 06:05	2° <u>4</u> 57'08	1°19'14	opposition	-6891 Jun 01 j 15:26	17° <u>4</u> 19'35	0°49'36
minimum elong	-6898 Nov 13 j 06:06	2° <u>4</u> 57'08	1°19'16	min. Earth dist.	-6891 May 31 j 17:03	17° <u>4</u> 21'07	29.03566 AU
max. Earth dist.	-6898 Nov 14 j 00:46	2° <u>4</u> 58'54	31.09635 AU	direct	-6891 Aug 18 j 18:02	15° <u>4</u> 56'55	
morning rise	-6898 Nov 28 j 16:04	3° <u>4</u> 31'53		evening set	-6891 Nov 12 j 19:56	17° <u>4</u> 49'04	
retrograde	-6897 Feb 27 j 10:46	5° <u>4</u> 29'41					
opposition	-6897 May 19 j 11:16	4° <u>4</u> 05'12	1°22'05	conjunction	-6891 Nov 28 j 06:55	18° <u>4</u> 23'50	0°43'48
min. Earth dist.	-6897 May 18 j 16:24	4° <u>4</u> 06'29	29.09124 AU	minimum elong	-6891 Nov 28 j 06:56	18° <u>4</u> 23'50	0°43'42
direct	-6897 Aug 06 j 03:22	2° <u>4</u> 42'30		max. Earth dist.	-6891 Nov 29 j 06:39	18° <u>4</u> 26'05	31.03213 AU
evening set	-6897 Oct 31 j 08:47	4° <u>4</u> 34'55		morning rise	-6891 Dec 13 j 21:30	18° <u>4</u> 58'58	
				retrograde	-6890 Mar 15 j 02:34	20° <u>4</u> 57'20	
conjunction	-6897 Nov 15 j 16:16	5° <u>4</u> 09'26	1°14'28	min. Earth dist.	-6890 Jun 03 j 04:08	19° <u>4</u> 34'05	29.02944 AU
minimum elong	-6897 Nov 15 j 16:17	5° <u>4</u> 09'26	1°14'28	opposition	-6890 Jun 04 j 04:00	19° <u>4</u> 32'27	0°43'51
max. Earth dist.	-6897 Nov 16 j 10:39	5° <u>4</u> 11'10	31.08477 AU	direct	-6890 Aug 21 j 04:32	18° <u>4</u> 09'49	
morning rise	-6897 Dec 01 j 03:03	5° <u>4</u> 44'14		evening set	-6890 Nov 15 j 06:23	20° <u>4</u> 01'58	
retrograde	-6896 Feb 29 j 23:34	7° <u>4</u> 42'06					
min. Earth dist.	-6896 May 20 j 05:24	6° <u>4</u> 18'47	29.07971 AU	conjunction	-6890 Nov 30 j 17:50	20° <u>4</u> 36'47	0°38'24
opposition	-6896 May 21 j 00:09	6° <u>4</u> 17'31	1°16'56	minimum elong	-6890 Nov 30 j 17:51	20° <u>4</u> 36'47	0°38'17
direct	-6896 Aug 07 j 13:46	4° <u>4</u> 54'47		max. Earth dist.	-6890 Dec 01 j 17:36	20° <u>4</u> 39'01	31.02590 AU
evening set	-6896 Nov 01 j 18:18	6° <u>4</u> 47'07		morning rise	-6890 Dec 16 j 09:09	21° <u>4</u> 11'58	
				retrograde	-6889 Mar 17 j 15:55	23° <u>4</u> 10'26	
conjunction	-6896 Nov 17 j 02:29	7° <u>4</u> 21'40	1°09'36	opposition	-6889 Jun 06 j 16:31	21° <u>4</u> 45'31	0°38'03
minimum elong	-6896 Nov 17 j 02:30	7° <u>4</u> 21'40	1°09'35	min. Earth dist.	-6889 Jun 05 j 17:29	21° <u>4</u> 47'06	29.02315 AU
max. Earth dist.	-6896 Nov 17 j 22:44	7° <u>4</u> 23'35	31.07345 AU	direct	-6889 Aug 23 j 15:22	20° <u>4</u> 22'55	
morning rise	-6896 Dec 02 j 13:44	7° <u>4</u> 56'32		evening set	-6889 Nov 17 j 16:51	22° <u>4</u> 15'03	
retrograde	-6895 Mar 03 j 09:59	9° <u>4</u> 54'27					
opposition	-6895 May 23 j 12:54	8° <u>4</u> 29'47	1°11'40	conjunction	-6889 Dec 03 j 05:01	22° <u>4</u> 49'56	0°32'56
min. Earth dist.	-6895 May 22 j 16:49	8° <u>4</u> 31'09	29.06866 AU	minimum elong	-6889 Dec 03 j 05:01	22° <u>4</u> 49'56	0°32'48
direct	-6895 Aug 10 j 02:01	7° <u>4</u> 07'03		max. Earth dist.	-6889 Dec 04 j 05:48	22° <u>4</u> 52'16	31.01944 AU
evening set	-6895 Nov 04 j 04:10	8° <u>4</u> 59'19		morning rise	-6889 Dec 18 j 20:48	23° <u>4</u> 25'10	
				retrograde	-6888 Mar 19 j 06:28	25° <u>4</u> 23'41	
conjunction	-6895 Nov 19 j 12:45	9° <u>4</u> 33'54	1°04'37	min. Earth dist.	-6888 Jun 07 j 04:56	24° <u>4</u> 00'25	29.01626 AU
minimum elong	-6895 Nov 19 j 12:46	9° <u>4</u> 33'54	1°04'35	opposition	-6888 Jun 08 j 05:02	23° <u>4</u> 58'45	0°32'10
max. Earth dist.	-6895 Nov 20 j 08:49	9° <u>4</u> 35'48	31.06299 AU	direct	-6888 Aug 25 j 04:23	22° <u>4</u> 36'10	
morning rise	-6895 Dec 05 j 00:49	10° <u>4</u> 08'49		evening set	-6888 Nov 19 j 03:28	24° <u>4</u> 28'18	
retrograde	-6894 Mar 05 j 22:41	12° <u>4</u> 06'49					
min. Earth dist.	-6894 May 25 j 04:47	10° <u>4</u> 43'29	29.05879 AU	conjunction	-6888 Dec 04 j 16:02	25° <u>4</u> 03'13	0°27'25

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Attention, astronomical year style is used: The year -6888 in astronomical counting style is the year 6889 BCE in historical counting style.

minimum elong	-6888 Dec 04 j 16:02	25° <u>03</u> '13	0°27'17	evening set	-6882 Dec 02 j 21:00	7° <u>04</u> '38	
max. Earth dist.	-6888 Dec 05 j 16:03	25° <u>05</u> '29	31.01211 AU				
morning rise	-6888 Dec 20 j 08:37	25° <u>03</u> '30		conjunction	-6882 Dec 18 j 13:05	8° <u>02</u> '47	-0°06'19
retrograde	-6887 Mar 21 j 19:56	27° <u>03</u> '06		minimum elong	-6882 Dec 18 j 13:05	8° <u>02</u> '47	0°06'34
opposition	-6887 Jun 10 j 17:45	26° <u>01</u> '07	0°26'15	behind sun begin	-6882 Dec 18 j 07:00	8° <u>02</u> '14	
min. Earth dist.	-6887 Jun 09 j 18:18	26° <u>01</u> '34	29.00848 AU	behind sun end	-6882 Dec 18 j 19:10	8° <u>02</u> '20	
direct	-6887 Aug 27 j 15:00	24° <u>04</u> '31		max. Earth dist.	-6882 Dec 19 j 15:11	8° <u>02</u> '14	30.95660 AU
evening set	-6887 Nov 21 j 14:12	26° <u>04</u> '13		morning rise	-6881 Jan 03 j 09:10	8° <u>02</u> '58	
				retrograde	-6881 Apr 04 j 22:06	10° <u>02</u> '57	
conjunction	-6887 Dec 07 j 03:31	27° <u>01</u> '35	0°21'52	opposition	-6881 Jun 24 j 19:15	9° <u>02</u> '31	-0°09'47
minimum elong	-6887 Dec 07 j 03:31	27° <u>01</u> '35	0°21'43	min. Earth dist.	-6881 Jun 23 j 17:48	9° <u>02</u> '32	28.95320 AU
max. Earth dist.	-6887 Dec 08 j 04:38	27° <u>01</u> '57	31.00378 AU	direct	-6881 Sep 10 j 08:44	8° <u>02</u> '48	
morning rise	-6887 Dec 22 j 20:34	27° <u>01</u> '55		evening set	-6881 Dec 05 j 08:17	10° <u>02</u> '00	
retrograde	-6886 Mar 24 j 07:34	29° <u>01</u> '33					
min. Earth dist.	-6886 Jun 12 j 06:12	28° <u>01</u> '10	28.99952 AU	conjunction	-6881 Dec 21 j 00:47	10° <u>02</u> '58	-0°11'55
opposition	-6886 Jun 13 j 06:10	28° <u>01</u> '31	0°20'17	minimum elong	-6881 Dec 21 j 00:47	10° <u>02</u> '58	0°12'11
direct	-6886 Aug 30 j 03:29	27° <u>01</u> '54		behind sun begin	-6881 Dec 20 j 20:25	10° <u>02</u> '34	
evening set	-6886 Nov 24 j 01:08	28° <u>01</u> '54		behind sun end	-6881 Dec 21 j 05:09	10° <u>02</u> '21	
				max. Earth dist.	-6881 Dec 22 j 02:53	10° <u>02</u> '38	30.94943 AU
conjunction	-6886 Dec 09 j 14:54	29° <u>01</u> '57	0°16'17	morning rise	-6880 Jan 05 j 21:30	11° <u>02</u> '11	
minimum elong	-6886 Dec 09 j 14:54	29° <u>01</u> '57	0°16'06	retrograde	-6880 Apr 06 j 11:10	13° <u>02</u> '10	
max. Earth dist.	-6886 Dec 10 j 15:01	29° <u>01</u> '32	30.99444 AU	min. Earth dist.	-6880 Jun 25 j 06:38	11° <u>02</u> '46	28.94676 AU
	-6886 Dec 22 j 22:56	0° <u>02</u> '		opposition	-6880 Jun 26 j 07:25	11° <u>02</u> '44	-0°15'48
morning rise	-6886 Dec 25 j 08:44	0° <u>02</u> '05		direct	-6880 Sep 11 j 19:18	10° <u>02</u> '22	
retrograde	-6885 Mar 26 j 21:03	2° <u>02</u> '04		evening set	-6880 Dec 06 j 19:24	12° <u>02</u> '14	
opposition	-6885 Jun 15 j 18:38	0° <u>02</u> '38	0°14'18				
min. Earth dist.	-6885 Jun 14 j 18:43	0° <u>02</u> '40	28.98979 AU	conjunction	-6880 Dec 22 j 12:35	12° <u>02</u> '49	-0°17'32
	-6885 Jul 10 j 04:18	30° <u>02</u> '		minimum elong	-6880 Dec 22 j 12:35	12° <u>02</u> '49	0°17'48
direct	-6885 Sep 01 j 14:01	29° <u>01</u> '16		max. Earth dist.	-6880 Dec 23 j 15:52	12° <u>02</u> '51	30.94365 AU
	-6885 Oct 22 j 17:11	0° <u>02</u> '		morning rise	-6879 Jan 07 j 09:43	13° <u>02</u> '24	
evening set	-6885 Nov 26 j 11:56	1° <u>02</u> '08			-6879 Mar 01 j 11:54	15° <u>02</u> '	
				retrograde	-6879 Apr 09 j 01:34	15° <u>02</u> '23	
conjunction	-6885 Dec 12 j 02:21	1° <u>02</u> '43	0°10'41		-6879 May 18 j 08:45	15° <u>02</u> ' <u>02</u>	
minimum elong	-6885 Dec 12 j 02:21	1° <u>02</u> '43	0°10'29	opposition	-6879 Jun 28 j 19:26	13° <u>02</u> '58	-0°21'48
behind sun begin	-6885 Dec 11 j 21:16	1° <u>02</u> '42		min. Earth dist.	-6879 Jun 27 j 17:29	14° <u>02</u> '00	28.94149 AU
behind sun end	-6885 Dec 12 j 07:25	1° <u>02</u> '43		direct	-6879 Sep 14 j 07:50	12° <u>02</u> '35	
max. Earth dist.	-6885 Dec 13 j 03:38	1° <u>02</u> '45	30.98437 AU	evening set	-6879 Dec 09 j 06:59	14° <u>02</u> '27	
morning rise	-6885 Dec 27 j 20:39	2° <u>02</u> '18			-6879 Dec 23 j 19:28	15° <u>02</u> '	
retrograde	-6884 Mar 28 j 08:12	4° <u>02</u> '17					
min. Earth dist.	-6884 Jun 16 j 07:07	2° <u>02</u> '53	28.97959 AU	conjunction	-6879 Dec 25 j 00:32	15° <u>02</u> '02	-0°23'07
opposition	-6884 Jun 17 j 06:56	2° <u>02</u> '52	0°08'17	minimum elong	-6879 Dec 25 j 00:32	15° <u>02</u> '02	0°23'24
direct	-6884 Sep 03 j 01:31	1° <u>02</u> '29		max. Earth dist.	-6879 Dec 26 j 03:06	15° <u>02</u> '05	30.93885 AU
evening set	-6884 Nov 27 j 22:53	3° <u>02</u> '21		morning rise	-6878 Jan 09 j 22:23	15° <u>02</u> '38	
				retrograde	-6878 Apr 11 j 15:20	17° <u>02</u> '37	
conjunction	-6884 Dec 13 j 13:48	3° <u>02</u> '56	0°05'05	min. Earth dist.	-6878 Jun 30 j 06:14	16° <u>02</u> '13	28.93717 AU
minimum elong	-6884 Dec 13 j 13:48	3° <u>02</u> '56	0°04'52	opposition	-6878 Jul 01 j 07:26	16° <u>02</u> '11	-0°27'46
behind sun begin	-6884 Dec 13 j 07:29	3° <u>02</u> '55			-6878 Aug 22 j 05:36	15° <u>02</u> ' <u>02</u>	
behind sun end	-6884 Dec 13 j 20:07	3° <u>02</u> '57		direct	-6878 Sep 16 j 17:56	14° <u>02</u> '49	
max. Earth dist.	-6884 Dec 14 j 14:48	3° <u>02</u> '58	30.97439 AU		-6878 Oct 11 j 21:14	15° <u>02</u> '	
morning rise	-6884 Dec 29 j 08:47	4° <u>02</u> '31		evening set	-6878 Dec 11 j 18:37	16° <u>02</u> '41	
retrograde	-6883 Mar 30 j 20:57	6° <u>02</u> '30					
opposition	-6883 Jun 19 j 19:08	5° <u>02</u> '05	0°02'16	conjunction	-6878 Dec 27 j 12:50	17° <u>02</u> '16	-0°28'41
min. Earth dist.	-6883 Jun 18 j 18:31	5° <u>02</u> '07	28.96989 AU	minimum elong	-6878 Dec 27 j 12:50	17° <u>02</u> '16	0°28'59
direct	-6883 Sep 05 j 11:55	3° <u>02</u> '42		max. Earth dist.	-6878 Dec 28 j 16:31	17° <u>02</u> '19	30.93473 AU
desc. node	-6883 Nov 05 j 03:36	4° <u>02</u> '42		morning rise	-6877 Jan 12 j 11:01	17° <u>02</u> '52	
evening set	-6883 Nov 30 j 09:51	5° <u>02</u> '34		retrograde	-6877 Apr 14 j 04:25	19° <u>02</u> '51	
				opposition	-6877 Jul 03 j 19:22	18° <u>02</u> '25	-0°33'42
conjunction	-6883 Dec 16 j 01:22	6° <u>02</u> '09	-0°00'39	min. Earth dist.	-6877 Jul 02 j 17:46	18° <u>02</u> '27	28.93313 AU
minimum elong	-6883 Dec 16 j 01:20	6° <u>02</u> '09	0°00'53	direct	-6877 Sep 19 j 06:10	17° <u>02</u> '02	
behind sun begin	-6883 Dec 15 j 18:51	6° <u>02</u> '09		evening set	-6877 Dec 14 j 06:29	18° <u>02</u> '55	
behind sun end	-6883 Dec 16 j 07:48	6° <u>02</u> '10					
max. Earth dist.	-6883 Dec 17 j 03:03	6° <u>02</u> '12	30.96493 AU	conjunction	-6877 Dec 30 j 01:02	19° <u>02</u> '30	-0°34'13
morning rise	-6883 Dec 31 j 20:54	6° <u>02</u> '45		minimum elong	-6877 Dec 30 j 01:01	19° <u>02</u> '30	0°34'32
retrograde	-6882 Apr 02 j 08:24	8° <u>02</u> '43		max. Earth dist.	-6877 Dec 31 j 03:33	19° <u>02</u> '32	30.93068 AU
min. Earth dist.	-6882 Jun 21 j 07:14	7° <u>02</u> '20	28.96093 AU	morning rise	-6876 Jan 14 j 23:50	20° <u>02</u> '06	
opposition	-6882 Jun 22 j 07:22	7° <u>02</u> '18	-0°03'46	retrograde	-6876 Apr 15 j 19:18	22° <u>02</u> '05	
direct	-6882 Sep 07 j 22:12	5° <u>02</u> '55		min. Earth dist.	-6876 Jul 04 j 06:07	20° <u>02</u> '41	28.92903 AU

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Attention, astronomical year style is used: The year -6876 in astronomical counting style is the year 6877 BCE in historical counting style.

opposition	-6876 Jul 05 j 07:23	20° \mathcal{M} 39'44	-0°39'36	conjunction	-6869 Jan 14 j 18:48	5° \mathcal{A} 10'49	-1°11'04
direct	-6876 Sep 20 j 16:42	19° \mathcal{M} 16'55		minimum elong	-6869 Jan 14 j 18:47	5° \mathcal{A} 10'49	1°11'28
evening set	-6876 Dec 15 j 18:31	21° \mathcal{M} 09'10		max. Earth dist.	-6869 Jan 15 j 19:15	5° \mathcal{A} 13'06	30.88460 AU
				morning rise	-6869 Jan 30 j 20:35	5° \mathcal{A} 46'44	
conjunction	-6876 Dec 31 j 13:38	21° \mathcal{M} 44'33	-0°39'42	retrograde	-6869 May 02 j 12:35	7° \mathcal{A} 45'39	
minimum elong	-6876 Dec 31 j 13:38	21° \mathcal{M} 44'33	0°40'02	opposition	-6869 Jul 21 j 17:47	6° \mathcal{A} 20'07	-1°18'42
max. Earth dist.	-6875 Jan 01 j 16:53	21° \mathcal{M} 47'07	30.92618 AU	min. Earth dist.	-6869 Jul 20 j 19:17	6° \mathcal{A} 21'42	28.88234 AU
morning rise	-6875 Jan 16 j 12:46	22° \mathcal{M} 20'20		direct	-6869 Oct 06 j 21:53	4° \mathcal{A} 56'53	
retrograde	-6875 Apr 18 j 07:20	24° \mathcal{M} 19'21		evening set	-6868 Jan 01 j 09:32	6° \mathcal{A} 49'28	
opposition	-6875 Jul 07 j 19:21	22° \mathcal{M} 54'00	-0°45'26				
min. Earth dist.	-6875 Jul 06 j 18:42	22° \mathcal{M} 55'43	28.92415 AU	conjunction	-6868 Jan 17 j 07:48	7° \mathcal{A} 25'03	-1°15'58
direct	-6875 Sep 23 j 04:10	21° \mathcal{M} 31'11		minimum elong	-6868 Jan 17 j 07:48	7° \mathcal{A} 25'02	1°16'22
evening set	-6875 Dec 18 j 06:45	23° \mathcal{M} 23'29		max. Earth dist.	-6868 Jan 18 j 09:15	7° \mathcal{A} 27'26	30.87874 AU
				morning rise	-6868 Feb 02 j 09:44	8° \mathcal{A} 00'59	
conjunction	-6874 Jan 03 j 02:20	23° \mathcal{M} 58'54	-0°45'07	retrograde	-6868 May 04 j 01:55	9° \mathcal{A} 59'52	
minimum elong	-6874 Jan 03 j 02:19	23° \mathcal{M} 58'54	0°45'28	min. Earth dist.	-6868 Jul 22 j 06:16	8° \mathcal{A} 35'56	28.87714 AU
max. Earth dist.	-6874 Jan 04 j 04:28	24° \mathcal{M} 01'22	30.92088 AU	opposition	-6868 Jul 23 j 05:12	8° \mathcal{A} 34'19	-1°23'53
morning rise	-6874 Jan 19 j 02:02	24° \mathcal{M} 34'43		direct	-6868 Oct 08 j 10:52	7° \mathcal{A} 11'01	
retrograde	-6874 Apr 20 j 20:40	26° \mathcal{M} 33'45		evening set	-6867 Jan 02 j 22:21	9° \mathcal{A} 03'41	
min. Earth dist.	-6874 Jul 09 j 06:37	25° \mathcal{M} 10'08	28.91832 AU				
opposition	-6874 Jul 10 j 07:20	25° \mathcal{M} 08'24	-0°51'12	conjunction	-6867 Jan 18 j 20:52	9° \mathcal{A} 39'17	-1°20'45
direct	-6874 Sep 25 j 14:52	23° \mathcal{M} 45'32		minimum elong	-6867 Jan 18 j 20:51	9° \mathcal{A} 39'17	1°21'10
evening set	-6874 Dec 20 j 19:09	25° \mathcal{M} 37'54		max. Earth dist.	-6867 Jan 19 j 21:03	9° \mathcal{A} 41'33	30.87421 AU
				morning rise	-6867 Feb 03 j 23:18	10° \mathcal{A} 15'14	
conjunction	-6873 Jan 05 j 15:11	26° \mathcal{M} 13'21	-0°50'29	retrograde	-6867 May 06 j 16:56	12° \mathcal{A} 14'06	
minimum elong	-6873 Jan 05 j 15:11	26° \mathcal{M} 13'21	0°50'50	opposition	-6867 Jul 25 j 16:36	10° \mathcal{A} 48'33	-1°28'56
max. Earth dist.	-6873 Jan 06 j 17:12	26° \mathcal{M} 15'48	30.91433 AU	min. Earth dist.	-6867 Jul 24 j 17:59	10° \mathcal{A} 50'08	28.87338 AU
morning rise	-6873 Jan 21 j 15:17	26° \mathcal{M} 49'11		direct	-6867 Oct 10 j 22:17	9° \mathcal{A} 25'12	
retrograde	-6873 Apr 23 j 08:11	28° \mathcal{M} 48'13		evening set	-6866 Jan 05 j 11:12	11° \mathcal{A} 17'57	
opposition	-6873 Jul 12 j 19:11	27° \mathcal{M} 22'51	-0°56'54				
min. Earth dist.	-6873 Jul 11 j 19:45	27° \mathcal{M} 24'29	28.91130 AU	conjunction	-6866 Jan 21 j 10:14	11° \mathcal{A} 53'35	-1°25'25
direct	-6873 Sep 28 j 01:04	25° \mathcal{M} 59'56		minimum elong	-6866 Jan 21 j 10:14	11° \mathcal{A} 53'35	1°25'50
evening set	-6873 Dec 23 j 07:30	27° \mathcal{M} 52'20		max. Earth dist.	-6866 Jan 22 j 11:14	11° \mathcal{A} 55'55	30.87092 AU
				morning rise	-6866 Feb 06 j 12:51	12° \mathcal{A} 29'33	
conjunction	-6872 Jan 08 j 04:03	28° \mathcal{M} 27'48	-0°55'46	retrograde	-6866 May 09 j 04:39	14° \mathcal{A} 28'23	
minimum elong	-6872 Jan 08 j 04:03	28° \mathcal{M} 27'48	0°56'08	min. Earth dist.	-6866 Jul 27 j 05:53	13° \mathcal{A} 04'26	28.87064 AU
max. Earth dist.	-6872 Jan 09 j 05:39	28° \mathcal{M} 30'13	30.90700 AU	opposition	-6866 Jul 28 j 04:00	13° \mathcal{A} 02'52	-1°33'51
morning rise	-6872 Jan 24 j 04:33	29° \mathcal{M} 03'40		direct	-6866 Oct 13 j 10:08	11° \mathcal{A} 39'30	
	-6872 Feb 20 j 21:24	0° \mathcal{A}		evening set	-6865 Jan 08 j 00:17	13° \mathcal{A} 32'20	
retrograde	-6872 Apr 24 j 21:52	1° \mathcal{A} 02'41					
	-6872 Jun 30 j 13:59	30° \mathcal{R} \mathcal{M}		conjunction	-6865 Jan 23 j 23:36	14° \mathcal{A} 07'59	-1°29'58
min. Earth dist.	-6872 Jul 13 j 06:51	29° \mathcal{M} 38'58	28.90369 AU	minimum elong	-6865 Jan 23 j 23:35	14° \mathcal{A} 07'59	1°30'24
opposition	-6872 Jul 14 j 06:56	29° \mathcal{M} 37'16	-1°02'30	max. Earth dist.	-6865 Jan 24 j 23:32	14° \mathcal{A} 10'14	30.86868 AU
direct	-6872 Sep 29 j 11:47	28° \mathcal{M} 14'16		morning rise	-6865 Feb 09 j 02:35	14° \mathcal{A} 43'59	
	-6872 Dec 21 j 17:58	0° \mathcal{A}		retrograde	-6865 May 11 j 18:45	16° \mathcal{A} 42'47	
evening set	-6872 Dec 24 j 19:52	0° \mathcal{A} 06'43		opposition	-6865 Jul 30 j 15:14	15° \mathcal{A} 17'19	-1°38'38
				min. Earth dist.	-6865 Jul 29 j 17:04	15° \mathcal{A} 18'52	28.86883 AU
conjunction	-6871 Jan 09 j 16:46	0° \mathcal{A} 42'13	-1°00'58	direct	-6865 Oct 15 j 21:02	13° \mathcal{A} 53'55	
minimum elong	-6871 Jan 09 j 16:46	0° \mathcal{A} 42'13	1°01'21	evening set	-6864 Jan 10 j 13:29	15° \mathcal{A} 46'52	
max. Earth dist.	-6871 Jan 10 j 17:46	0° \mathcal{A} 44'33	30.89916 AU				
morning rise	-6871 Jan 25 j 17:47	1° \mathcal{A} 18'06		conjunction	-6864 Jan 26 j 13:09	16° \mathcal{A} 22'32	-1°34'22
retrograde	-6871 Apr 27 j 09:51	3° \mathcal{A} 17'05		minimum elong	-6864 Jan 26 j 13:08	16° \mathcal{A} 22'32	1°34'48
opposition	-6871 Jul 16 j 18:45	1° \mathcal{A} 51'38	-1°08'00	max. Earth dist.	-6864 Jan 27 j 13:06	16° \mathcal{A} 24'47	30.86696 AU
min. Earth dist.	-6871 Jul 15 j 19:58	1° \mathcal{A} 53'13	28.89596 AU	morning rise	-6864 Feb 11 j 16:21	16° \mathcal{A} 58'32	
direct	-6871 Oct 01 j 23:00	0° \mathcal{A} 28'33		retrograde	-6864 May 13 j 07:01	18° \mathcal{A} 57'20	
evening set	-6871 Dec 27 j 08:21	2° \mathcal{A} 21'02		min. Earth dist.	-6864 Jul 31 j 05:48	17° \mathcal{A} 33'23	28.86730 AU
				opposition	-6864 Aug 01 j 02:39	17° \mathcal{A} 31'54	-1°43'16
conjunction	-6870 Jan 12 j 05:50	2° \mathcal{A} 56'33	-1°06'04	direct	-6864 Oct 17 j 07:19	16° \mathcal{A} 08'30	
minimum elong	-6870 Jan 12 j 05:49	2° \mathcal{A} 56'33	1°06'27	evening set	-6863 Jan 12 j 02:42	18° \mathcal{A} 01'33	
max. Earth dist.	-6870 Jan 13 j 07:23	2° \mathcal{A} 58'57	30.89157 AU				
morning rise	-6870 Jan 28 j 07:06	3° \mathcal{A} 32'27		conjunction	-6863 Jan 28 j 02:46	18° \mathcal{A} 37'14	-1°38'37
retrograde	-6870 Apr 29 j 23:16	5° \mathcal{A} 31'24		minimum elong	-6863 Jan 28 j 02:46	18° \mathcal{A} 37'14	1°39'04
min. Earth dist.	-6870 Jul 18 j 06:44	4° \mathcal{A} 07'33	28.88867 AU	max. Earth dist.	-6863 Jan 29 j 01:59	18° \mathcal{A} 39'25	30.86542 AU
opposition	-6870 Jul 19 j 06:09	4° \mathcal{A} 05'54	-1°13'25	morning rise	-6863 Feb 13 j 06:15	19° \mathcal{A} 13'15	
direct	-6870 Oct 04 j 11:36	2° \mathcal{A} 42'44		retrograde	-6863 May 15 j 20:42	21° \mathcal{A} 12'02	
evening set	-6870 Dec 29 j 21:04	4° \mathcal{A} 35'16		opposition	-6863 Aug 03 j 13:56	19° \mathcal{A} 46'39	-1°47'45
				min. Earth dist.	-6863 Aug 02 j 16:50	19° \mathcal{A} 48'08	28.86559 AU

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Attention, astronomical year style is used: The year -6863 in astronomical counting style is the year 6864 BCE in historical counting style.

direct	-6863 Oct 19 j 18:24	18° \nearrow 23'12	conjunction	-6856 Feb 14 j 04:47	4° \searrow 21'00	-2°03'56
evening set	-6862 Jan 14 j 16:23	20° \nearrow 16'22	minimum elong	-6856 Feb 14 j 04:47	4° \searrow 21'00	2°04'23
			max. Earth dist.	-6856 Feb 14 j 22:19	4° \searrow 22'38	30.84063 AU
conjunction	-6862 Jan 30 j 16:41	20° \nearrow 52'04 -1°42'44	morning rise	-6856 Mar 01 j 09:40	4° \searrow 57'03	
minimum elong	-6862 Jan 30 j 16:40	20° \nearrow 52'04 1°43'10	retrograde	-6856 May 31 j 16:04	6° \searrow 55'20	
max. Earth dist.	-6862 Jan 31 j 14:44	20° \nearrow 54'08 30.86323 AU	opposition	-6856 Aug 18 j 19:33	5° \searrow 30'00	-2°14'09
morning rise	-6862 Feb 15 j 20:27	21° \nearrow 28'07	min. Earth dist.	-6856 Aug 18 j 03:27	5° \searrow 31'09	28.84130 AU
retrograde	-6862 May 18 j 08:19	23° \nearrow 26'51	direct	-6856 Nov 04 j 05:13	4° \searrow 06'00	
min. Earth dist.	-6862 Aug 05 j 05:59	22° \nearrow 02'52 28.86310 AU	evening set	-6855 Jan 30 j 16:25	5° \searrow 59'50	
opposition	-6862 Aug 06 j 01:15	22° \nearrow 01'30 -1°52'04				
direct	-6862 Oct 22 j 05:02	20° \nearrow 38'00	conjunction	-6855 Feb 15 j 18:50	6° \searrow 35'38	-2°06'50
evening set	-6861 Jan 17 j 06:00	22° \nearrow 31'16	minimum elong	-6855 Feb 15 j 18:50	6° \searrow 35'38	2°07'18
			max. Earth dist.	-6855 Feb 16 j 12:28	6° \searrow 37'17	30.83909 AU
conjunction	-6861 Feb 02 j 06:46	23° \nearrow 07'00 -1°46'42	morning rise	-6855 Mar 03 j 23:48	7° \searrow 11'42	
minimum elong	-6861 Feb 02 j 06:45	23° \nearrow 07'00 1°47'09	retrograde	-6855 Jun 03 j 04:19	9° \searrow 09'54	
max. Earth dist.	-6861 Feb 03 j 04:32	23° \nearrow 09'02 30.86025 AU	opposition	-6855 Aug 21 j 06:28	7° \searrow 44'36	-2°17'09
morning rise	-6861 Feb 18 j 10:38	23° \nearrow 43'02	min. Earth dist.	-6855 Aug 20 j 15:37	7° \searrow 45'40	28.84056 AU
retrograde	-6861 May 20 j 21:33	25° \nearrow 41'43	direct	-6855 Nov 06 j 16:10	6° \searrow 20'33	
opposition	-6861 Aug 08 j 12:30	24° \nearrow 16'23 -1°56'12	evening set	-6854 Feb 02 j 06:21	8° \searrow 14'29	
min. Earth dist.	-6861 Aug 07 j 17:09	24° \nearrow 17'45 28.85965 AU				
direct	-6861 Oct 24 j 17:22	22° \nearrow 52'49	conjunction	-6854 Feb 18 j 09:03	8° \searrow 50'19	-2°09'32
evening set	-6860 Jan 19 j 19:38	24° \nearrow 46'11	minimum elong	-6854 Feb 18 j 09:03	8° \searrow 50'19	2°09'59
			max. Earth dist.	-6854 Feb 19 j 01:50	8° \searrow 51'53	30.83915 AU
conjunction	-6860 Feb 04 j 20:33	25° \nearrow 21'55 -1°50'30	morning rise	-6854 Mar 06 j 14:10	9° \searrow 26'22	
minimum elong	-6860 Feb 04 j 20:32	25° \nearrow 21'55 1°50'56	retrograde	-6854 Jun 05 j 17:21	11° \searrow 24'30	
max. Earth dist.	-6860 Feb 05 j 16:36	25° \nearrow 23'48 30.85632 AU	opposition	-6854 Aug 23 j 17:07	9° \searrow 59'16	-2°19'56
morning rise	-6860 Feb 21 j 00:46	25° \nearrow 57'58	min. Earth dist.	-6854 Aug 23 j 01:49	10° \searrow 00'21	28.84136 AU
retrograde	-6860 May 22 j 10:31	27° \nearrow 56'36	direct	-6854 Nov 09 j 03:32	8° \searrow 35'10	
opposition	-6860 Aug 09 j 23:49	26° \nearrow 31'16 -2°00'10	evening set	-6853 Feb 04 j 20:24	10° \searrow 29'14	
min. Earth dist.	-6860 Aug 09 j 06:00	26° \nearrow 32'31 28.85550 AU				
direct	-6860 Oct 26 j 03:48	25° \nearrow 07'36	conjunction	-6853 Feb 20 j 23:16	11° \searrow 05'04	-2°12'03
evening set	-6859 Jan 21 j 09:17	27° \nearrow 01'03	minimum elong	-6853 Feb 20 j 23:15	11° \searrow 05'04	2°12'31
			max. Earth dist.	-6853 Feb 21 j 15:16	11° \searrow 06'33	30.84052 AU
conjunction	-6859 Feb 06 j 10:40	27° \nearrow 36'48 -1°54'07	morning rise	-6853 Mar 09 j 04:30	11° \searrow 41'08	
minimum elong	-6859 Feb 06 j 10:40	27° \nearrow 36'48 1°54'35	retrograde	-6853 Jun 08 j 04:22	13° \searrow 39'11	
max. Earth dist.	-6859 Feb 07 j 06:59	27° \nearrow 38'42 30.85191 AU	opposition	-6853 Aug 26 j 04:00	12° \searrow 14'02	-2°22'31
morning rise	-6859 Feb 22 j 14:56	28° \nearrow 12'51	min. Earth dist.	-6853 Aug 25 j 14:14	12° \searrow 15'00	28.84344 AU
	-6859 Apr 28 j 15:41	0° \searrow	direct	-6853 Nov 11 j 13:44	10° \searrow 49'55	
retrograde	-6859 May 24 j 23:36	0° \searrow 11'24	evening set	-6852 Feb 07 j 10:15	12° \searrow 44'06	
	-6859 Jun 20 j 13:38	30° \nearrow				
opposition	-6859 Aug 12 j 10:48	28° \nearrow 46'03 -2°03'57	conjunction	-6852 Feb 23 j 13:28	13° \searrow 19'56	-2°14'22
min. Earth dist.	-6859 Aug 11 j 17:14	28° \nearrow 47'18 28.85100 AU	minimum elong	-6852 Feb 23 j 13:27	13° \searrow 19'56	2°14'48
direct	-6859 Oct 28 j 17:11	27° \nearrow 22'18	max. Earth dist.	-6852 Feb 24 j 05:22	13° \searrow 21'25	30.84313 AU
evening set	-6858 Jan 23 j 23:09	29° \nearrow 15'50	morning rise	-6852 Mar 10 j 18:43	13° \searrow 56'00	
			retrograde	-6852 Jun 09 j 17:32	15° \searrow 54'00	
conjunction	-6858 Feb 09 j 00:41	29° \nearrow 51'36 -1°57'34	opposition	-6852 Aug 27 j 14:43	14° \searrow 28'55	-2°24'52
minimum elong	-6858 Feb 09 j 00:41	29° \nearrow 51'36 1°58'02	min. Earth dist.	-6852 Aug 27 j 00:47	14° \searrow 29'55	28.84638 AU
max. Earth dist.	-6858 Feb 09 j 19:06	29° \nearrow 53'20 30.84747 AU	direct	-6852 Nov 13 j 01:04	13° \searrow 04'47	
	-6858 Feb 12 j 18:27	0° \searrow	evening set	-6851 Feb 09 j 00:35	14° \searrow 59'06	
morning rise	-6858 Feb 25 j 05:19	0° \searrow 27'39				
retrograde	-6858 May 27 j 14:03	2° \searrow 26'07	conjunction	-6851 Feb 25 j 03:52	15° \searrow 34'57	-2°16'28
opposition	-6858 Aug 14 j 21:50	1° \searrow 00'46 -2°07'33	minimum elong	-6851 Feb 25 j 03:51	15° \searrow 34'57	2°16'56
min. Earth dist.	-6858 Aug 14 j 05:03	1° \searrow 01'57 28.84686 AU	max. Earth dist.	-6851 Feb 25 j 18:06	15° \searrow 36'17	30.84623 AU
	-6858 Sep 23 j 19:59	30° \nearrow	morning rise	-6851 Mar 13 j 09:20	16° \searrow 11'01	
direct	-6858 Oct 31 j 05:14	29° \nearrow 36'55	retrograde	-6851 Jun 12 j 05:41	18° \searrow 08'57	
	-6858 Dec 07 j 00:02	0° \searrow	opposition	-6851 Aug 30 j 01:27	16° \searrow 43'57	-2°27'00
evening set	-6857 Jan 26 j 12:52	1° \searrow 30'33	min. Earth dist.	-6851 Aug 29 j 13:15	16° \searrow 44'50	28.84966 AU
			direct	-6851 Nov 15 j 10:51	15° \searrow 19'47	
conjunction	-6857 Feb 11 j 14:48	2° \searrow 06'20 -2°00'51	evening set	-6850 Feb 11 j 14:55	17° \searrow 14'14	
minimum elong	-6857 Feb 11 j 14:47	2° \searrow 06'20 2°01'19				
max. Earth dist.	-6857 Feb 12 j 09:40	2° \searrow 08'06 30.84348 AU	conjunction	-6850 Feb 27 j 18:35	17° \searrow 50'06	-2°18'21
morning rise	-6857 Feb 27 j 19:24	2° \searrow 42'23	minimum elong	-6850 Feb 27 j 18:35	17° \searrow 50'06	2°18'48
retrograde	-6857 May 30 j 01:36	4° \searrow 40'45	max. Earth dist.	-6850 Feb 28 j 08:43	17° \searrow 51'25	30.84933 AU
opposition	-6857 Aug 17 j 08:43	3° \searrow 15'24 -2°10'57	morning rise	-6850 Mar 15 j 23:59	18° \searrow 26'10	
min. Earth dist.	-6857 Aug 16 j 16:40	3° \searrow 16'33 28.84339 AU	retrograde	-6850 Jun 14 j 18:04	20° \searrow 24'00	
direct	-6857 Nov 02 j 17:34	1° \searrow 51'29	opposition	-6850 Sep 01 j 12:12	18° \searrow 59'05	-2°28'55
evening set	-6856 Jan 29 j 02:41	3° \searrow 45'12	min. Earth dist.	-6850 Sep 01 j 00:34	18° \searrow 59'55	28.85248 AU

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Attention, astronomical year style is used: The year -6850 in astronomical counting style is the year 6851 BCE in historical counting style.

direct	-6850 Nov 18 j 00:13	17° $\overline{3}$ 34'52		minimum elong	-6843 Mar 16 j 00:57	3° \approx 34'42	2°26'02
evening set	-6849 Feb 14 j 05:26	19° $\overline{3}$ 29'27		max. Earth dist.	-6843 Mar 16 j 07:19	3° \approx 35'17	30.85912 AU
				morning rise	-6843 Apr 01 j 06:42	4° \approx 10'41	
conjunction	-6849 Mar 02 j 09:07	20° $\overline{3}$ 05'19	-2°20'02	retrograde	-6843 Jun 30 j 10:47	6° \approx 07'33	
minimum elong	-6849 Mar 02 j 09:07	20° $\overline{3}$ 05'19	2°20'30	opposition	-6843 Sep 16 j 14:17	4° \approx 42'53	-2°35'51
max. Earth dist.	-6849 Mar 02 j 20:51	20° $\overline{3}$ 06'25	30.85177 AU	min. Earth dist.	-6843 Sep 16 j 08:43	4° \approx 43'17	28.86269 AU
morning rise	-6849 Mar 18 j 14:43	20° $\overline{3}$ 41'22		direct	-6843 Dec 03 j 13:07	3° \approx 18'06	
retrograde	-6849 Jun 17 j 07:45	22° $\overline{3}$ 39'07		evening set	-6842 Mar 02 j 10:28	5° \approx 13'17	
opposition	-6849 Sep 03 j 23:00	21° $\overline{3}$ 14'15	-2°30'36				
min. Earth dist.	-6849 Sep 03 j 12:30	21° $\overline{3}$ 15'00	28.85462 AU	conjunction	-6842 Mar 18 j 15:31	5° \approx 49'11	-2°25'47
direct	-6849 Nov 20 j 12:08	19° $\overline{3}$ 49'58		minimum elong	-6842 Mar 18 j 15:32	5° \approx 49'11	2°26'10
evening set	-6848 Feb 16 j 19:50	21° $\overline{3}$ 44'39		max. Earth dist.	-6842 Mar 18 j 20:24	5° \approx 49'38	30.86274 AU
				morning rise	-6842 Apr 03 j 21:21	6° \approx 25'10	
conjunction	-6848 Mar 03 j 23:53	22° $\overline{3}$ 20'32	-2°21'31	retrograde	-6842 Jul 02 j 21:46	8° \approx 21'55	
minimum elong	-6848 Mar 03 j 23:53	22° $\overline{3}$ 20'32	2°21'57	opposition	-6842 Sep 19 j 00:50	6° \approx 57'19	-2°35'54
max. Earth dist.	-6848 Mar 04 j 11:28	22° $\overline{3}$ 21'37	30.85340 AU	min. Earth dist.	-6842 Sep 18 j 20:38	6° \approx 57'37	28.86711 AU
morning rise	-6848 Mar 20 j 05:22	22° $\overline{3}$ 56'34		direct	-6842 Dec 05 j 23:12	5° \approx 32'29	
retrograde	-6848 Jun 18 j 19:42	24° $\overline{3}$ 54'11		evening set	-6841 Mar 05 j 00:42	7° \approx 27'46	
opposition	-6848 Sep 05 j 09:43	23° $\overline{3}$ 29'22	-2°32'03				
min. Earth dist.	-6848 Sep 05 j 00:30	23° $\overline{3}$ 30'01	28.85584 AU	conjunction	-6841 Mar 21 j 06:03	8° \approx 03'41	-2°25'43
direct	-6848 Nov 22 j 00:33	22° $\overline{3}$ 05'00		minimum elong	-6841 Mar 21 j 06:04	8° \approx 03'41	2°26'07
evening set	-6847 Feb 18 j 10:20	23° $\overline{3}$ 59'47		max. Earth dist.	-6841 Mar 21 j 11:09	8° \approx 04'09	30.86786 AU
				morning rise	-6841 Apr 06 j 11:43	8° \approx 39'39	
conjunction	-6847 Mar 06 j 14:31	24° $\overline{3}$ 35'40	-2°22'46	retrograde	-6841 Jul 05 j 09:02	10° \approx 36'17	
minimum elong	-6847 Mar 06 j 14:31	24° $\overline{3}$ 35'40	2°23'13	opposition	-6841 Sep 21 j 11:13	9° \approx 11'47	-2°35'43
max. Earth dist.	-6847 Mar 06 j 23:56	24° $\overline{3}$ 36'32	30.85437 AU	min. Earth dist.	-6841 Sep 21 j 07:15	9° \approx 12'04	28.87282 AU
morning rise	-6847 Mar 22 j 20:14	25° $\overline{3}$ 11'41		direct	-6841 Dec 08 j 12:01	7° \approx 46'56	
retrograde	-6847 Jun 21 j 10:17	27° $\overline{3}$ 09'10		evening set	-6840 Mar 06 j 15:11	9° \approx 42'20	
opposition	-6847 Sep 07 j 20:22	25° $\overline{3}$ 44'22	-2°33'17				
min. Earth dist.	-6847 Sep 07 j 11:42	25° $\overline{3}$ 44'59	28.85655 AU	conjunction	-6840 Mar 22 j 20:32	10° \approx 18'15	-2°25'26
direct	-6847 Nov 24 j 13:34	24° $\overline{3}$ 19'54		minimum elong	-6840 Mar 22 j 20:32	10° \approx 18'15	2°25'49
evening set	-6846 Feb 21 j 00:51	26° $\overline{3}$ 14'45		max. Earth dist.	-6840 Mar 22 j 23:38	10° \approx 18'32	30.87424 AU
				morning rise	-6840 Apr 08 j 02:22	10° \approx 54'13	
conjunction	-6846 Mar 09 j 05:18	26° $\overline{3}$ 50'39	-2°23'49	retrograde	-6840 Jul 06 j 21:59	12° \approx 50'44	
minimum elong	-6846 Mar 09 j 05:18	26° $\overline{3}$ 50'39	2°24'14	opposition	-6840 Sep 22 j 21:35	11° \approx 26'20	-2°35'17
max. Earth dist.	-6846 Mar 09 j 14:19	26° $\overline{3}$ 51'29	30.85483 AU	min. Earth dist.	-6840 Sep 22 j 18:29	11° \approx 26'34	28.87975 AU
morning rise	-6846 Mar 25 j 10:56	27° $\overline{3}$ 26'40		direct	-6840 Dec 09 j 23:00	10° \approx 01'29	
retrograde	-6846 Jun 23 j 21:51	29° $\overline{3}$ 23'59		evening set	-6839 Mar 09 j 05:36	11° \approx 57'01	
opposition	-6846 Sep 10 j 06:57	27° $\overline{3}$ 59'12	-2°34'16				
min. Earth dist.	-6846 Sep 10 j 00:03	27° $\overline{3}$ 59'42	28.85702 AU	conjunction	-6839 Mar 25 j 11:16	12° \approx 32'57	-2°24'56
direct	-6846 Nov 27 j 01:52	26° $\overline{3}$ 34'39		minimum elong	-6839 Mar 25 j 11:17	12° \approx 32'57	2°25'19
evening set	-6845 Feb 23 j 15:18	28° $\overline{3}$ 29'35		max. Earth dist.	-6839 Mar 25 j 14:29	12° \approx 33'15	30.88149 AU
				morning rise	-6839 Apr 10 j 16:56	13° \approx 08'55	
conjunction	-6845 Mar 11 j 19:55	29° $\overline{3}$ 05'28	-2°24'38		-6839 Jun 21 j 18:07	15° \approx	
minimum elong	-6845 Mar 11 j 19:55	29° $\overline{3}$ 05'28	2°25'04	retrograde	-6839 Jul 09 j 09:43	15° \approx 05'19	
max. Earth dist.	-6845 Mar 12 j 03:33	29° $\overline{3}$ 06'11	30.85551 AU		-6839 Jul 27 j 06:03	15° \approx	
morning rise	-6845 Mar 28 j 01:39	29° $\overline{3}$ 41'29		opposition	-6839 Sep 25 j 08:02	13° \approx 41'03	-2°34'38
	-6845 Apr 05 j 17:24	0° \approx		min. Earth dist.	-6839 Sep 25 j 06:11	13° \approx 41'11	28.88707 AU
retrograde	-6845 Jun 26 j 10:58	1° \approx 38'38		direct	-6839 Dec 12 j 10:56	12° \approx 16'11	
opposition	-6845 Sep 12 j 17:25	0° \approx 13'53	-2°35'02	evening set	-6838 Mar 11 j 20:17	14° \approx 11'51	
min. Earth dist.	-6845 Sep 12 j 10:21	0° \approx 14'23	28.85794 AU				
	-6845 Sep 20 j 21:12	30° \overline{R} $\overline{3}$		conjunction	-6838 Mar 28 j 01:55	14° \approx 47'47	-2°24'12
direct	-6845 Nov 29 j 14:29	28° $\overline{3}$ 49'15		minimum elong	-6838 Mar 28 j 01:56	14° \approx 47'47	2°24'33
	-6844 Feb 04 j 17:28	0° \approx		max. Earth dist.	-6838 Mar 28 j 02:55	14° \approx 47'53	30.88888 AU
evening set	-6844 Feb 26 j 05:34	0° \approx 44'15			-6838 Apr 02 j 13:13	15° \approx	
				morning rise	-6838 Apr 13 j 07:42	15° \approx 23'45	
conjunction	-6844 Mar 13 j 10:20	1° \approx 20'08	-2°25'14	retrograde	-6838 Jul 12 j 00:09	17° \approx 20'03	
minimum elong	-6844 Mar 13 j 10:20	1° \approx 20'08	2°25'39	opposition	-6838 Sep 27 j 18:24	15° \approx 55'53	-2°33'43
max. Earth dist.	-6844 Mar 13 j 17:08	1° \approx 20'46	30.85673 AU	min. Earth dist.	-6838 Sep 27 j 17:08	15° \approx 55'58	28.89431 AU
morning rise	-6844 Mar 29 j 16:05	1° \approx 56'09			-6838 Nov 02 j 11:21	15° \approx	
retrograde	-6844 Jun 27 j 22:06	3° \approx 53'09		direct	-6838 Dec 14 j 23:59	14° \approx 31'01	
opposition	-6844 Sep 14 j 04:01	2° \approx 28'26	-2°35'34		-6837 Jan 25 j 23:11	15° \approx	
min. Earth dist.	-6844 Sep 13 j 22:36	2° \approx 28'49	28.85972 AU	evening set	-6837 Mar 14 j 10:52	16° \approx 26'48	
direct	-6844 Dec 01 j 01:16	1° \approx 03'43					
evening set	-6843 Feb 27 j 19:56	2° \approx 58'47		conjunction	-6837 Mar 30 j 16:44	17° \approx 02'45	-2°23'15
				minimum elong	-6837 Mar 30 j 16:45	17° \approx 02'45	2°23'36
conjunction	-6843 Mar 16 j 00:57	3° \approx 34'42	-2°25'37	max. Earth dist.	-6837 Mar 30 j 17:18	17° \approx 02'48	30.89574 AU

Attention, astronomical year style is used: The year -6837 in astronomical counting style is the year 6838 BCE in historical counting style.

morning rise	-6837 Apr 15 j 22:19	17° \approx 38'41	direct	-6831 Dec 30 j 12:33	0° \mathbb{H} 12'48	
retrograde	-6837 Jul 14 j 11:44	19° \approx 34'52	evening set	-6830 Mar 30 j 15:49	2° \mathbb{H} 08'59	
opposition	-6837 Sep 30 j 05:02	18° \approx 10'48	-2°32'35			
min. Earth dist.	-6837 Sep 30 j 05:42	18° \approx 10'45	28.90077 AU	conjunction	-6830 Apr 15 j 22:20	2° \mathbb{H} 44'56 -2°10'43
direct	-6837 Dec 17 j 12:32	16° \approx 45'55		minimum elong	-6830 Apr 15 j 22:21	2° \mathbb{H} 44'56 2°10'57
evening set	-6836 Mar 16 j 01:21	18° \approx 41'47		max. Earth dist.	-6830 Apr 15 j 15:06	2° \mathbb{H} 44'15 30.92728 AU
				morning rise	-6830 May 02 j 03:22	3° \mathbb{H} 20'47
conjunction	-6836 Apr 01 j 07:18	19° \approx 17'44	-2°22'05	retrograde	-6830 Jul 29 j 19:16	5° \mathbb{H} 15'46
minimum elong	-6836 Apr 01 j 07:19	19° \approx 17'44	2°22'24	opposition	-6830 Oct 15 j 05:31	3° \mathbb{H} 52'02 -2°18'25
max. Earth dist.	-6836 Apr 01 j 05:57	19° \approx 17'37	30.90180 AU	min. Earth dist.	-6830 Oct 15 j 12:33	3° \mathbb{H} 51'31 28.93187 AU
morning rise	-6836 Apr 17 j 12:58	19° \approx 53'40		direct	-6829 Jan 02 j 00:51	2° \mathbb{H} 26'40
retrograde	-6836 Jul 16 j 01:15	21° \approx 49'43		evening set	-6829 Apr 02 j 06:01	4° \mathbb{H} 22'53
opposition	-6836 Oct 01 j 15:28	20° \approx 25'43	-2°31'14			
min. Earth dist.	-6836 Oct 01 j 16:21	20° \approx 25'39	28.90621 AU	conjunction	-6829 Apr 18 j 12:25	4° \mathbb{H} 58'50 -2°08'07
direct	-6836 Dec 19 j 01:43	19° \approx 00'47		minimum elong	-6829 Apr 18 j 12:26	4° \mathbb{H} 58'50 2°08'22
evening set	-6835 Mar 18 j 16:00	20° \approx 56'44		max. Earth dist.	-6829 Apr 18 j 03:22	4° \mathbb{H} 57'59 30.93372 AU
				morning rise	-6829 May 04 j 17:30	5° \mathbb{H} 34'40
conjunction	-6835 Apr 03 j 22:04	21° \approx 32'41	-2°20'42	retrograde	-6829 Aug 01 j 07:50	7° \mathbb{H} 29'31
minimum elong	-6835 Apr 03 j 22:05	21° \approx 32'42	2°21'02	opposition	-6829 Oct 17 j 15:44	6° \mathbb{H} 05'49 -2°15'32
max. Earth dist.	-6835 Apr 03 j 19:26	21° \approx 32'27	30.90668 AU	min. Earth dist.	-6829 Oct 17 j 22:47	6° \mathbb{H} 05'19 28.93900 AU
morning rise	-6835 Apr 20 j 03:38	22° \approx 08'37		direct	-6828 Jan 04 j 13:48	4° \mathbb{H} 40'26
retrograde	-6835 Jul 18 j 12:59	24° \approx 04'30		evening set	-6828 Apr 03 j 19:56	6° \mathbb{H} 36'43
opposition	-6835 Oct 04 j 01:57	22° \approx 40'33	-2°29'38			
min. Earth dist.	-6835 Oct 04 j 04:58	22° \approx 40'20	28.91062 AU	conjunction	-6828 Apr 20 j 02:31	7° \mathbb{H} 12'39 -2°05'20
direct	-6835 Dec 21 j 13:13	21° \approx 15'34		minimum elong	-6828 Apr 20 j 02:31	7° \mathbb{H} 12'39 2°05'33
evening set	-6834 Mar 21 j 06:36	23° \approx 11'34		max. Earth dist.	-6828 Apr 19 j 17:43	7° \mathbb{H} 11'50 30.94151 AU
				morning rise	-6828 May 06 j 07:20	7° \mathbb{H} 48'28
conjunction	-6834 Apr 06 j 12:48	23° \approx 47'32	-2°19'07	retrograde	-6828 Aug 02 j 18:17	9° \mathbb{H} 43'11
minimum elong	-6834 Apr 06 j 12:49	23° \approx 47'32	2°19'25	opposition	-6828 Oct 19 j 02:05	8° \mathbb{H} 19'34 -2°12'27
max. Earth dist.	-6834 Apr 06 j 09:03	23° \approx 47'11	30.91080 AU	min. Earth dist.	-6828 Oct 19 j 10:39	8° \mathbb{H} 18'58 28.94728 AU
morning rise	-6834 Apr 22 j 18:18	24° \approx 23'26		direct	-6827 Jan 06 j 02:08	6° \mathbb{H} 54'10
retrograde	-6834 Jul 21 j 01:44	26° \approx 19'09		evening set	-6827 Apr 06 j 10:06	8° \mathbb{H} 50'32
opposition	-6834 Oct 06 j 12:20	24° \approx 55'15	-2°27'49			
min. Earth dist.	-6834 Oct 06 j 15:33	24° \approx 55'01	28.91431 AU	conjunction	-6827 Apr 22 j 16:36	9° \mathbb{H} 26'28 -2°02'21
direct	-6834 Dec 24 j 01:56	23° \approx 30'11		minimum elong	-6827 Apr 22 j 16:37	9° \mathbb{H} 26'28 2°02'33
evening set	-6833 Mar 23 j 21:00	25° \approx 26'13		max. Earth dist.	-6827 Apr 22 j 06:20	9° \mathbb{H} 25'31 30.95044 AU
				morning rise	-6827 May 08 j 21:25	10° \mathbb{H} 02'16
conjunction	-6833 Apr 09 j 03:11	26° \approx 02'11	-2°17'19	retrograde	-6827 Aug 05 j 07:25	11° \mathbb{H} 56'50
minimum elong	-6833 Apr 09 j 03:12	26° \approx 02'11	2°17'37	opposition	-6827 Oct 21 j 12:13	10° \mathbb{H} 33'20 -2°09'09
max. Earth dist.	-6833 Apr 08 j 21:47	26° \approx 01'41	30.91432 AU	min. Earth dist.	-6827 Oct 21 j 20:38	10° \mathbb{H} 32'44 28.95645 AU
morning rise	-6833 Apr 25 j 08:39	26° \approx 38'05		direct	-6826 Jan 08 j 15:10	9° \mathbb{H} 07'56
retrograde	-6833 Jul 23 j 11:32	28° \approx 33'37		evening set	-6826 Apr 09 j 00:16	11° \mathbb{H} 04'22
opposition	-6833 Oct 08 j 22:45	27° \approx 09'45	-2°25'48			
min. Earth dist.	-6833 Oct 09 j 03:38	27° \approx 09'24	28.91785 AU	conjunction	-6826 Apr 25 j 06:47	11° \mathbb{H} 40'19 -1°59'11
direct	-6833 Dec 26 j 12:56	25° \approx 44'36		minimum elong	-6826 Apr 25 j 06:47	11° \mathbb{H} 40'19 1°59'22
evening set	-6832 Mar 25 j 11:17	27° \approx 40'41		max. Earth dist.	-6826 Apr 24 j 19:52	11° \mathbb{H} 39'18 30.95982 AU
				morning rise	-6826 May 11 j 11:20	12° \mathbb{H} 16'06
conjunction	-6832 Apr 10 j 17:41	28° \approx 16'38	-2°15'19	retrograde	-6826 Aug 07 j 19:11	14° \mathbb{H} 10'33
minimum elong	-6832 Apr 10 j 17:42	28° \approx 16'38	2°15'36	opposition	-6826 Oct 23 j 22:40	12° \mathbb{H} 47'08 -2°05'40
max. Earth dist.	-6832 Apr 10 j 12:11	28° \approx 16'07	30.91800 AU	min. Earth dist.	-6826 Oct 24 j 08:56	12° \mathbb{H} 46'25 28.96587 AU
morning rise	-6832 Apr 26 j 22:58	28° \approx 52'31		direct	-6825 Jan 11 j 02:59	11° \mathbb{H} 21'46
	-6832 May 31 j 12:22	0° \mathbb{H}		evening set	-6825 Apr 11 j 14:13	13° \mathbb{H} 18'15
retrograde	-6832 Jul 24 j 21:44	0° \mathbb{H} 47'52				
	-6832 Sep 18 j 13:48	30° \mathbb{R}		conjunction	-6825 Apr 27 j 20:42	13° \mathbb{H} 54'12 -1°55'50
opposition	-6832 Oct 10 j 08:56	29° \approx 24'02	-2°23'33	minimum elong	-6825 Apr 27 j 20:43	13° \mathbb{H} 54'12 1°56'00
min. Earth dist.	-6832 Oct 10 j 14:17	29° \approx 23'39	28.92161 AU	max. Earth dist.	-6825 Apr 27 j 08:50	13° \mathbb{H} 53'06 30.96921 AU
direct	-6832 Dec 28 j 01:50	27° \approx 58'48		morning rise	-6825 May 14 j 01:07	14° \mathbb{H} 29'58
evening set	-6831 Mar 28 j 01:40	29° \approx 54'55		retrograde	-6825 Aug 10 j 07:37	16° \mathbb{H} 24'17
	-6831 Mar 30 j 09:37	0° \mathbb{H}		opposition	-6825 Oct 26 j 09:01	15° \mathbb{H} 00'59 -2°02'00
				min. Earth dist.	-6825 Oct 26 j 19:24	15° \mathbb{H} 00'15 28.97488 AU
conjunction	-6831 Apr 13 j 08:00	0° \mathbb{H} 30'53	-2°13'07	direct	-6824 Jan 13 j 16:16	13° \mathbb{H} 35'36
minimum elong	-6831 Apr 13 j 08:00	0° \mathbb{H} 30'53	2°13'23	evening set	-6824 Apr 13 j 04:23	15° \mathbb{H} 32'10
max. Earth dist.	-6831 Apr 13 j 00:29	0° \mathbb{H} 30'11	30.92216 AU			
morning rise	-6831 Apr 29 j 13:20	1° \mathbb{H} 06'45		conjunction	-6824 Apr 29 j 10:45	16° \mathbb{H} 08'06 -1°52'19
retrograde	-6831 Jul 27 j 09:25	3° \mathbb{H} 01'55		minimum elong	-6824 Apr 29 j 10:46	16° \mathbb{H} 08'06 1°52'28
opposition	-6831 Oct 12 j 19:13	1° \mathbb{H} 38'07	-2°21'05	max. Earth dist.	-6824 Apr 28 j 21:16	16° \mathbb{H} 06'51 30.97785 AU
min. Earth dist.	-6831 Oct 13 j 01:21	1° \mathbb{H} 37'41	28.92624 AU	morning rise	-6824 May 15 j 15:00	16° \mathbb{H} 43'52

Attention, astronomical year style is used: The year -6824 in astronomical counting style is the year 6825 BCE in historical counting style.

retrograde	-6824 Aug 11 j 18:06	18° H 38'03		evening set	-6817 Apr 30 j 04:17	1° V 06'14	
opposition	-6824 Oct 27 j 19:24	17° H 14'50	-1°58'09				
min. Earth dist.	-6824 Oct 28 j 07:33	17° H 13'58	28.98311 AU	conjunction	-6817 May 16 j 09:51	1° V 42'06	-1°23'27
direct	-6823 Jan 15 j 03:14	15° H 49'26		minimum elong	-6817 May 16 j 09:52	1° V 42'06	1°23'29
evening set	-6823 Apr 15 j 18:26	17° H 46'02		max. Earth dist.	-6817 May 15 j 14:55	1° V 40'20	31.02360 AU
max. Earth dist.	-6823 May 01 j 10:56	18° H 20'41	30.98562 AU	morning rise	-6817 Jun 01 j 12:18	2° V 17'42	
				retrograde	-6817 Aug 27 j 21:14	4° V 10'53	
conjunction	-6823 May 02 j 00:52	18° H 21'59	-1°48'38	opposition	-6817 Nov 12 j 20:04	2° V 47'59	-1°26'46
minimum elong	-6823 May 02 j 00:53	18° H 21'59	1°48'46	min. Earth dist.	-6817 Nov 13 j 13:23	2° V 46'45	29.02867 AU
morning rise	-6823 May 18 j 04:51	18° H 57'43		direct	-6816 Jan 31 j 18:14	1° V 22'21	
retrograde	-6823 Aug 14 j 04:33	20° H 51'45		evening set	-6816 May 01 j 17:34	3° V 19'05	
opposition	-6823 Oct 30 j 05:51	19° H 28'36	-1°54'07				
min. Earth dist.	-6823 Oct 30 j 18:40	19° H 27'42	28.99019 AU	conjunction	-6816 May 17 j 22:56	3° V 54'56	-1°18'47
direct	-6822 Jan 17 j 16:12	18° H 03'11		minimum elong	-6816 May 17 j 22:57	3° V 54'56	1°18'49
evening set	-6822 Apr 18 j 08:30	19° H 59'49		max. Earth dist.	-6816 May 17 j 03:31	3° V 53'07	31.03250 AU
				morning rise	-6816 Jun 03 j 01:08	4° V 30'31	
conjunction	-6822 May 04 j 14:40	20° H 35'45	-1°44'47	retrograde	-6816 Aug 29 j 08:48	6° V 23'33	
minimum elong	-6822 May 04 j 14:41	20° H 35'45	1°44'54	opposition	-6816 Nov 14 j 06:16	5° V 00'44	-1°21'43
max. Earth dist.	-6822 May 03 j 22:36	20° H 34'16	30.99229 AU	min. Earth dist.	-6816 Nov 14 j 23:09	4° V 59'33	29.03807 AU
morning rise	-6822 May 20 j 18:32	21° H 11'29		direct	-6815 Feb 02 j 08:07	3° V 35'07	
retrograde	-6822 Aug 16 j 15:52	23° H 05'22		evening set	-6815 May 04 j 06:56	5° V 31'54	
opposition	-6822 Nov 01 j 16:15	21° H 42'16	-1°49'56				
min. Earth dist.	-6822 Nov 02 j 06:00	21° H 41'18	28.99647 AU	conjunction	-6815 May 20 j 12:01	6° V 07'43	-1°14'01
direct	-6821 Jan 20 j 02:47	20° H 16'48		minimum elong	-6815 May 20 j 12:02	6° V 07'43	1°14'01
evening set	-6821 Apr 20 j 22:15	22° H 13'28		max. Earth dist.	-6815 May 19 j 15:47	6° V 05'51	31.04256 AU
				morning rise	-6815 Jun 05 j 13:53	6° V 43'17	
conjunction	-6821 May 07 j 04:30	22° H 49'23	-1°40'47	retrograde	-6815 Aug 31 j 19:12	8° V 36'14	
minimum elong	-6821 May 07 j 04:31	22° H 49'23	1°40'54	opposition	-6815 Nov 16 j 16:45	7° V 13'30	-1°16'34
max. Earth dist.	-6821 May 06 j 12:30	22° H 47'54	30.99829 AU	min. Earth dist.	-6815 Nov 17 j 10:44	7° V 12'14	29.04865 AU
morning rise	-6821 May 23 j 07:59	23° H 25'06		direct	-6814 Feb 04 j 19:01	5° V 47'55	
retrograde	-6821 Aug 19 j 00:57	25° H 18'49		evening set	-6814 May 06 j 20:03	7° V 44'43	
opposition	-6821 Nov 04 j 02:37	23° H 55'46	-1°45'35	max. Earth dist.	-6814 May 22 j 05:00	8° V 18'41	31.05357 AU
min. Earth dist.	-6821 Nov 04 j 17:33	23° H 54'43	29.00214 AU				
direct	-6820 Jan 22 j 15:17	22° H 30'16		conjunction	-6814 May 23 j 00:58	8° V 20'32	-1°09'08
evening set	-6820 Apr 22 j 11:57	24° H 26'56		minimum elong	-6814 May 23 j 00:58	8° V 20'32	1°09'07
				morning rise	-6814 Jun 08 j 02:23	8° V 56'04	
conjunction	-6820 May 08 j 17:57	25° H 02'50	-1°36'39	retrograde	-6814 Sep 03 j 05:48	10° V 48'55	
minimum elong	-6820 May 08 j 17:58	25° H 02'50	1°36'44	opposition	-6814 Nov 19 j 03:14	9° V 26'18	-1°11'17
max. Earth dist.	-6820 May 07 j 23:59	25° H 01'10	31.00398 AU	min. Earth dist.	-6814 Nov 19 j 21:27	9° V 25'01	29.05973 AU
morning rise	-6820 May 24 j 21:24	25° H 38'31		direct	-6813 Feb 07 j 08:04	8° V 00'45	
retrograde	-6820 Aug 20 j 12:30	27° H 32'06		evening set	-6813 May 09 j 09:20	9° V 57'36	
opposition	-6820 Nov 05 j 12:55	26° H 09'05	-1°41'05				
min. Earth dist.	-6820 Nov 06 j 04:00	26° H 08'01	29.00777 AU	conjunction	-6813 May 25 j 13:49	10° V 33'24	-1°04'09
direct	-6819 Jan 24 j 04:09	24° H 43'31		minimum elong	-6813 May 25 j 13:49	10° V 33'24	1°04'07
evening set	-6819 Apr 25 j 01:31	26° H 40'12		max. Earth dist.	-6813 May 24 j 16:19	10° V 31'24	31.06480 AU
				morning rise	-6813 Jun 10 j 14:58	11° V 08'54	
conjunction	-6819 May 11 j 07:31	27° H 16'06	-1°32'23	retrograde	-6813 Sep 05 j 17:02	13° V 01'40	
minimum elong	-6819 May 11 j 07:32	27° H 16'06	1°32'27	opposition	-6813 Nov 21 j 13:41	11° V 39'08	-1°05'54
max. Earth dist.	-6819 May 10 j 13:50	27° H 14'27	31.00972 AU	min. Earth dist.	-6813 Nov 22 j 08:29	11° V 37'49	29.07093 AU
morning rise	-6819 May 27 j 10:32	27° H 51'46		direct	-6812 Feb 09 j 18:23	10° V 13'37	
retrograde	-6819 Aug 22 j 21:56	29° H 45'11		evening set	-6812 May 10 j 22:23	12° V 10'30	
opposition	-6819 Nov 07 j 23:16	28° H 22'12	-1°36'27	max. Earth dist.	-6812 May 26 j 05:34	12° V 44'18	31.07571 AU
min. Earth dist.	-6819 Nov 08 j 15:53	28° H 21'02	29.01370 AU				
direct	-6818 Jan 26 j 16:18	26° H 56'36		conjunction	-6812 May 27 j 02:45	12° V 46'16	-0°59'04
evening set	-6818 Apr 27 j 15:05	28° H 53'18		minimum elong	-6812 May 27 j 02:46	12° V 46'16	0°59'00
				morning rise	-6812 Jun 12 j 03:24	13° V 21'46	
conjunction	-6818 May 13 j 20:47	29° H 29'10	-1°27'59	retrograde	-6812 Sep 07 j 01:38	15° V 14'26	
minimum elong	-6818 May 13 j 20:48	29° H 29'11	1°28'01	opposition	-6812 Nov 23 j 00:22	13° V 51'59	-1°00'25
max. Earth dist.	-6818 May 13 j 01:50	29° H 27'25	31.01616 AU	min. Earth dist.	-6812 Nov 23 j 20:19	13° V 50'35	29.08133 AU
	-6818 May 27 j 18:37	0° V		direct	-6811 Feb 11 j 07:04	12° V 26'29	
morning rise	-6818 May 29 j 23:39	0° V 04'49		evening set	-6811 May 13 j 11:41	14° V 23'22	
retrograde	-6818 Aug 25 j 10:09	1° V 58'06					
opposition	-6818 Nov 10 j 09:37	0° V 35'09	-1°31'40	conjunction	-6811 May 29 j 15:31	14° V 59'08	-0°53'54
min. Earth dist.	-6818 Nov 11 j 01:37	0° V 34'02	29.02056 AU	minimum elong	-6811 May 29 j 15:32	14° V 59'08	0°53'49
	-6818 Dec 01 j 19:19	30° H		max. Earth dist.	-6811 May 28 j 16:23	14° V 56'59	31.08569 AU
direct	-6817 Jan 29 j 05:37	29° H 09'31		morning rise	-6811 Jun 14 j 15:54	15° V 34'35	
	-6817 Mar 27 j 06:31	0° V		retrograde	-6811 Sep 09 j 12:33	17° V 27'09	

Attention, astronomical year style is used: The year -6811 in astronomical counting style is the year 6812 BCE in historical counting style.

opposition	-6811 Nov 25 j 10:58	16° Υ 04'46	-0°54'51	max. Earth dist.	-6804 Jun 13 j 03:36	0° \mathcal{B} 22'25	31.13764 AU
min. Earth dist.	-6811 Nov 26 j 07:00	16° Υ 03'22	29.09077 AU				
direct	-6810 Feb 13 j 18:43	14° Υ 39'17		conjunction	-6804 Jun 14 j 05:29	0° \mathcal{B} 24'49	-0°16'07
evening set	-6810 May 16 j 00:45	16° Υ 36'10		minimum elong	-6804 Jun 14 j 05:29	0° \mathcal{B} 24'49	0°15'56
max. Earth dist.	-6810 May 31 j 05:29	17° Υ 09'46	31.09456 AU	morning rise	-6804 Jun 30 j 02:32	1° \mathcal{B} 00'01	
				retrograde	-6804 Sep 24 j 13:35	2° \mathcal{B} 51'58	
conjunction	-6810 Jun 01 j 04:23	17° Υ 11'54	-0°48'39	opposition	-6804 Dec 10 j 14:09	1° \mathcal{B} 29'46	-0°14'18
minimum elong	-6810 Jun 01 j 04:24	17° Υ 11'54	0°48'34	min. Earth dist.	-6804 Dec 11 j 13:01	1° \mathcal{B} 28'10	29.14243 AU
morning rise	-6810 Jun 17 j 04:09	17° Υ 47'20		direct	-6803 Mar 01 j 11:04	0° \mathcal{B} 04'13	
retrograde	-6810 Sep 11 j 21:54	19° Υ 39'48		evening set	-6803 May 31 j 16:44	2° \mathcal{B} 01'01	
opposition	-6810 Nov 27 j 21:51	18° Υ 17'27	-0°49'13				
min. Earth dist.	-6810 Nov 28 j 19:28	18° Υ 15'57	29.09908 AU	conjunction	-6803 Jun 16 j 17:18	2° \mathcal{B} 36'31	-0°10'36
direct	-6809 Feb 16 j 06:05	16° Υ 51'57		minimum elong	-6803 Jun 16 j 17:18	2° \mathcal{B} 36'31	0°10'23
evening set	-6809 May 18 j 13:39	18° Υ 48'50		behind sun begin	-6803 Jun 16 j 12:11	2° \mathcal{B} 36'03	
				behind sun end	-6803 Jun 16 j 22:25	2° \mathcal{B} 36'58	
conjunction	-6809 Jun 03 j 16:48	19° Υ 24'32	-0°43'21	max. Earth dist.	-6803 Jun 15 j 16:28	2° \mathcal{B} 34'12	31.14673 AU
minimum elong	-6809 Jun 03 j 16:49	19° Υ 24'32	0°43'15	morning rise	-6803 Jul 02 j 13:38	3° \mathcal{B} 11'40	
max. Earth dist.	-6809 Jun 02 j 16:31	19° Υ 22'16	31.10246 AU	retrograde	-6803 Sep 26 j 21:47	5° \mathcal{B} 03'34	
morning rise	-6809 Jun 19 j 16:18	19° Υ 59'55		opposition	-6803 Dec 13 j 01:05	3° \mathcal{B} 41'27	-0°08'22
retrograde	-6809 Sep 14 j 09:14	21° Υ 52'18		min. Earth dist.	-6803 Dec 14 j 00:27	3° \mathcal{B} 39'50	29.15191 AU
opposition	-6809 Nov 30 j 08:29	20° Υ 29'58	-0°43'31	direct	-6802 Mar 03 j 23:39	2° \mathcal{B} 15'58	
min. Earth dist.	-6809 Dec 01 j 05:43	20° Υ 28'29	29.10643 AU	evening set	-6802 Jun 03 j 05:03	4° \mathcal{B} 12'46	
direct	-6808 Feb 18 j 19:40	19° Υ 04'27		max. Earth dist.	-6802 Jun 18 j 02:57	4° \mathcal{B} 45'49	31.15671 AU
evening set	-6808 May 20 j 02:30	21° Υ 01'19					
max. Earth dist.	-6808 Jun 04 j 04:53	21° Υ 34'42	31.10940 AU	conjunction	-6802 Jun 19 j 04:55	4° \mathcal{B} 48'14	-0°05'04
				minimum elong	-6802 Jun 19 j 04:55	4° \mathcal{B} 48'14	0°04'51
conjunction	-6808 Jun 05 j 05:21	21° Υ 36'59	-0°37'59	behind sun begin	-6802 Jun 18 j 22:33	4° \mathcal{B} 47'40	
minimum elong	-6808 Jun 05 j 05:21	21° Υ 36'59	0°37'52	behind sun end	-6802 Jun 19 j 11:16	4° \mathcal{B} 48'48	
morning rise	-6808 Jun 21 j 04:17	22° Υ 12'20		morning rise	-6802 Jul 05 j 00:52	5° \mathcal{B} 23'22	
retrograde	-6808 Sep 15 j 19:34	24° Υ 04'36		retrograde	-6802 Sep 29 j 08:35	7° \mathcal{B} 15'14	
opposition	-6808 Dec 01 j 19:09	22° Υ 42'17	-0°37'45	opposition	-6802 Dec 15 j 11:58	5° \mathcal{B} 53'12	-0°02'25
min. Earth dist.	-6808 Dec 02 j 17:55	22° Υ 40'42	29.11312 AU	min. Earth dist.	-6802 Dec 16 j 10:42	5° \mathcal{B} 51'37	29.16218 AU
direct	-6807 Feb 20 j 08:23	21° Υ 16'45		direct	-6801 Mar 06 j 10:18	4° \mathcal{B} 27'47	
evening set	-6807 May 22 j 15:17	23° Υ 13'35		asc. node	-6801 May 14 j 06:11	5° \mathcal{B} 38'37	
				evening set	-6801 Jun 05 j 17:00	6° \mathcal{B} 24'36	
conjunction	-6807 Jun 07 j 17:42	23° Υ 49'13	-0°32'34				
minimum elong	-6807 Jun 07 j 17:42	23° Υ 49'13	0°32'26	conjunction	-6801 Jun 21 j 16:29	7° \mathcal{B} 00'02	0°00'36
max. Earth dist.	-6807 Jun 06 j 16:41	23° Υ 46'54	31.11599 AU	minimum elong	-6801 Jun 21 j 16:29	7° \mathcal{B} 00'02	0°00'51
morning rise	-6807 Jun 23 j 16:13	24° Υ 24'32		behind sun begin	-6801 Jun 21 j 09:59	6° \mathcal{B} 59'28	
retrograde	-6807 Sep 18 j 06:29	26° Υ 16'41		behind sun end	-6801 Jun 21 j 22:59	7° \mathcal{B} 00'37	
opposition	-6807 Dec 04 j 05:51	24° Υ 54'24	-0°31'57	max. Earth dist.	-6801 Jun 20 j 15:28	6° \mathcal{B} 57'43	31.16703 AU
min. Earth dist.	-6807 Dec 05 j 04:12	24° Υ 52'51	29.11953 AU	morning rise	-6801 Jul 07 j 11:43	7° \mathcal{B} 35'08	
direct	-6806 Feb 22 j 22:41	23° Υ 28'50		retrograde	-6801 Oct 01 j 17:51	9° \mathcal{B} 27'01	
evening set	-6806 May 25 j 03:48	25° Υ 25'39		opposition	-6801 Dec 17 j 23:04	8° \mathcal{B} 05'03	0°03'32
max. Earth dist.	-6806 Jun 09 j 04:10	25° Υ 58'52	31.12247 AU	min. Earth dist.	-6801 Dec 18 j 23:02	8° \mathcal{B} 03'23	29.17243 AU
				direct	-6800 Mar 07 j 20:39	6° \mathcal{B} 39'42	
conjunction	-6806 Jun 10 j 05:42	26° Υ 01'15	-0°27'07	evening set	-6800 Jun 07 j 05:14	8° \mathcal{B} 36'33	
minimum elong	-6806 Jun 10 j 05:42	26° Υ 01'15	0°26'58	max. Earth dist.	-6800 Jun 22 j 02:02	9° \mathcal{B} 09'31	31.17710 AU
morning rise	-6806 Jun 26 j 03:43	26° Υ 36'31					
retrograde	-6806 Sep 20 j 16:46	28° Υ 28'36		conjunction	-6800 Jun 23 j 04:01	9° \mathcal{B} 11'56	0°06'12
opposition	-6806 Dec 06 j 16:40	27° Υ 06'19	-0°26'06	minimum elong	-6800 Jun 23 j 04:01	9° \mathcal{B} 11'56	0°06'27
min. Earth dist.	-6806 Dec 07 j 15:49	27° Υ 04'42	29.12633 AU	behind sun begin	-6800 Jun 22 j 21:53	9° \mathcal{B} 11'23	
direct	-6805 Feb 25 j 10:14	25° Υ 40'45		behind sun end	-6800 Jun 23 j 10:08	9° \mathcal{B} 12'29	
evening set	-6805 May 27 j 16:10	27° Υ 37'32		morning rise	-6800 Jul 08 j 22:48	9° \mathcal{B} 47'00	
				retrograde	-6800 Oct 03 j 05:03	11° \mathcal{B} 38'52	
conjunction	-6805 Jun 12 j 17:42	28° Υ 13'06	-0°21'38	opposition	-6800 Dec 19 j 10:00	10° \mathcal{B} 16'59	0°09'29
minimum elong	-6805 Jun 12 j 17:42	28° Υ 13'06	0°21'28	min. Earth dist.	-6800 Dec 20 j 09:18	10° \mathcal{B} 15'22	29.18210 AU
max. Earth dist.	-6805 Jun 11 j 16:47	28° Υ 10'47	31.12962 AU	direct	-6799 Mar 10 j 09:35	8° \mathcal{B} 51'41	
morning rise	-6805 Jun 28 j 15:09	28° Υ 48'20		evening set	-6799 Jun 09 j 17:23	10° \mathcal{B} 48'33	
	-6805 Aug 04 j 22:38	0° \mathcal{B}					
retrograde	-6805 Sep 23 j 02:46	0° \mathcal{B} 40'19		conjunction	-6799 Jun 25 j 15:38	11° \mathcal{B} 23'54	0°11'44
	-6805 Nov 12 j 19:30	30° \mathcal{K} Υ		minimum elong	-6799 Jun 25 j 15:38	11° \mathcal{B} 23'54	0°12'00
opposition	-6805 Dec 09 j 03:22	29° Υ 18'05	-0°20'12	behind sun begin	-6799 Jun 25 j 11:11	11° \mathcal{B} 23'30	
min. Earth dist.	-6805 Dec 10 j 02:22	29° Υ 16'29	29.13383 AU	behind sun end	-6799 Jun 25 j 20:05	11° \mathcal{B} 24'18	
direct	-6804 Feb 28 j 00:04	27° Υ 52'31		max. Earth dist.	-6799 Jun 24 j 13:46	11° \mathcal{B} 21'30	31.18620 AU
evening set	-6804 May 29 j 04:33	29° Υ 49'18		morning rise	-6799 Jul 11 j 09:42	11° \mathcal{B} 58'55	
	-6804 Jun 03 j 01:54	0° \mathcal{B}		retrograde	-6799 Oct 05 j 15:46	13° \mathcal{B} 50'48	

Attention, astronomical year style is used: The year -6799 in astronomical counting style is the year 6800 BCE in historical counting style.

opposition	-6799 Dec 21 j 21:21	12° 8 28'57	0°15'24	conjunction	-6792 Jul 10 j 20:52	26° 8 44'50	0°49'33
min. Earth dist.	-6799 Dec 22 j 21:56	12° 8 27'15	29.19074 AU	minimum elong	-6792 Jul 10 j 20:52	26° 8 44'50	0°49'54
direct	-6798 Mar 12 j 21:31	11° 8 03'43		max. Earth dist.	-6792 Jul 09 j 19:10	26° 8 42'26	31.22237 AU
evening set	-6798 Jun 12 j 05:22	13° 8 00'34		morning rise	-6792 Jul 26 j 10:32	27° 8 19'32	
max. Earth dist.	-6798 Jun 27 j 00:44	13° 8 33'26	31.19419 AU	retrograde	-6792 Oct 20 j 13:21	29° 8 11'15	
				opposition	-6791 Jan 06 j 04:37	27° 8 49'23	0°55'39
conjunction	-6798 Jun 28 j 02:58	13° 8 35'53	0°17'16	min. Earth dist.	-6791 Jan 07 j 05:30	27° 8 47'40	29.22552 AU
minimum elong	-6798 Jun 28 j 02:57	13° 8 35'53	0°17'32	direct	-6791 Mar 28 j 14:09	26° 8 24'10	
morning rise	-6798 Jul 13 j 20:28	14° 8 10'51		evening set	-6791 Jun 27 j 14:22	28° 8 20'44	
	-6798 Aug 06 j 22:08	15° 8		max. Earth dist.	-6791 Jul 12 j 05:28	28° 8 53'17	31.22777 AU
retrograde	-6798 Oct 08 j 02:39	16° 8 02'43					
	-6798 Dec 12 j 17:11	15° 8		conjunction	-6791 Jul 13 j 07:20	28° 8 55'42	0°54'43
opposition	-6798 Dec 24 j 08:37	14° 8 40'54	0°21'18	minimum elong	-6791 Jul 13 j 07:19	28° 8 55'42	0°55'05
min. Earth dist.	-6798 Dec 25 j 08:42	14° 8 39'15	29.19799 AU	morning rise	-6791 Jul 28 j 20:29	29° 8 30'21	
direct	-6797 Mar 15 j 11:11	13° 8 15'41			-6791 Aug 11 j 20:31	0° II	
	-6797 Jun 08 j 21:39	15° 8		retrograde	-6791 Oct 22 j 23:26	1° II 22'05	
evening set	-6797 Jun 14 j 17:22	15° 8 12'32		opposition	-6790 Jan 08 j 16:04	0° II 00'14	1°01'08
max. Earth dist.	-6797 Jun 29 j 11:25	15° 8 45'18	31.20072 AU		-6790 Jan 08 j 19:24	30° 8	
				min. Earth dist.	-6790 Jan 09 j 15:25	29° 8 58'38	29.23143 AU
conjunction	-6797 Jun 30 j 14:19	15° 8 47'48	0°22'46	direct	-6790 Mar 31 j 02:27	28° 8 35'03	
minimum elong	-6797 Jun 30 j 14:19	15° 8 47'48	0°23'03		-6790 Jun 15 j 01:41	0° II	
morning rise	-6797 Jul 16 j 07:13	16° 8 22'44		evening set	-6790 Jun 30 j 01:20	0° II 31'35	
retrograde	-6797 Oct 10 j 13:32	18° 8 14'35					
opposition	-6797 Dec 26 j 19:49	16° 8 52'47	0°27'10	conjunction	-6790 Jul 15 j 17:42	1° II 06'31	0°59'48
min. Earth dist.	-6797 Dec 27 j 20:50	16° 8 51'03	29.20400 AU	minimum elong	-6790 Jul 15 j 17:41	1° II 06'31	1°00'09
direct	-6796 Mar 16 j 22:56	15° 8 27'34		max. Earth dist.	-6790 Jul 14 j 16:44	1° II 04'10	31.23408 AU
evening set	-6796 Jun 16 j 05:12	17° 8 24'23		morning rise	-6790 Jul 31 j 06:07	1° II 41'07	
max. Earth dist.	-6796 Jun 30 j 23:11	17° 8 57'08	31.20609 AU	retrograde	-6790 Oct 25 j 09:30	3° II 32'54	
				opposition	-6789 Jan 11 j 03:40	2° II 11'04	1°06'31
conjunction	-6796 Jul 02 j 01:38	17° 8 59'36	0°28'14	min. Earth dist.	-6789 Jan 12 j 03:33	2° II 09'26	29.23824 AU
minimum elong	-6796 Jul 02 j 01:38	17° 8 59'36	0°28'31	direct	-6789 Apr 02 j 12:58	0° II 45'56	
morning rise	-6796 Jul 17 j 17:52	18° 8 34'29		evening set	-6789 Jul 02 j 12:21	2° II 42'28	
retrograde	-6796 Oct 12 j 00:06	20° 8 26'18		max. Earth dist.	-6789 Jul 17 j 03:29	3° II 15'03	31.24117 AU
opposition	-6796 Dec 28 j 07:09	19° 8 04'30	0°33'00				
min. Earth dist.	-6796 Dec 29 j 08:11	19° 8 02'47	29.20871 AU	conjunction	-6789 Jul 18 j 04:01	3° II 17'21	1°04'48
direct	-6795 Mar 19 j 13:57	17° 8 39'17		minimum elong	-6789 Jul 18 j 04:00	3° II 17'21	1°05'11
evening set	-6795 Jun 18 j 16:59	19° 8 36'04		morning rise	-6789 Aug 02 j 15:51	3° II 51'55	
max. Earth dist.	-6795 Jul 03 j 09:12	20° 8 08'41	31.21034 AU	retrograde	-6789 Oct 27 j 20:03	5° II 43'45	
				opposition	-6788 Jan 13 j 15:03	4° II 21'57	1°11'49
conjunction	-6795 Jul 04 j 12:37	20° 8 11'14	0°33'39	min. Earth dist.	-6788 Jan 14 j 13:54	4° II 20'23	29.24539 AU
minimum elong	-6795 Jul 04 j 12:37	20° 8 11'14	0°33'58	direct	-6788 Apr 04 j 01:19	2° II 56'53	
morning rise	-6795 Jul 20 j 04:20	20° 8 46'04		evening set	-6788 Jul 03 j 23:24	4° II 53'25	
retrograde	-6795 Oct 14 j 10:42	22° 8 37'51					
opposition	-6795 Dec 30 j 18:29	21° 8 16'02	0°38'46	conjunction	-6788 Jul 19 j 14:20	5° II 28'15	1°09'42
min. Earth dist.	-6795 Dec 31 j 19:23	21° 8 14'19	29.21276 AU	minimum elong	-6788 Jul 19 j 14:19	5° II 28'15	1°10'05
direct	-6794 Mar 22 j 02:00	19° 8 50'48		max. Earth dist.	-6788 Jul 18 j 13:41	5° II 25'57	31.24824 AU
evening set	-6794 Jun 21 j 04:28	21° 8 47'32		morning rise	-6788 Aug 04 j 01:33	6° II 02'47	
				retrograde	-6788 Oct 29 j 07:30	7° II 54'41	
conjunction	-6794 Jul 06 j 23:37	22° 8 22'39	0°39'01	opposition	-6787 Jan 15 j 02:49	6° II 32'55	1°17'00
minimum elong	-6794 Jul 06 j 23:36	22° 8 22'39	0°39'20	min. Earth dist.	-6787 Jan 16 j 02:01	6° II 31'20	29.25244 AU
max. Earth dist.	-6794 Jul 05 j 21:22	22° 8 20'12	31.21414 AU	direct	-6787 Apr 06 j 12:38	5° II 07'56	
morning rise	-6794 Jul 22 j 14:33	22° 8 57'26		evening set	-6787 Jul 06 j 10:17	7° II 04'27	
retrograde	-6794 Oct 16 j 18:36	24° 8 49'11		max. Earth dist.	-6787 Jul 21 j 00:59	7° II 37'02	31.25489 AU
opposition	-6793 Jan 02 j 05:54	23° 8 27'21	0°44'28				
min. Earth dist.	-6793 Jan 03 j 07:10	23° 8 25'36	29.21651 AU	conjunction	-6787 Jul 22 j 00:34	7° II 39'14	1°14'30
direct	-6793 Mar 24 j 15:18	22° 8 02'07		minimum elong	-6787 Jul 22 j 00:34	7° II 39'14	1°14'55
evening set	-6793 Jun 23 j 15:50	23° 8 58'46		morning rise	-6787 Aug 06 j 11:03	8° II 13'43	
max. Earth dist.	-6793 Jul 08 j 07:08	24° 8 31'19	31.21801 AU	retrograde	-6787 Oct 31 j 18:15	10° II 05'42	
				opposition	-6786 Jan 17 j 14:41	8° II 43'57	1°22'05
conjunction	-6793 Jul 09 j 10:10	24° 8 33'50	0°44'19	min. Earth dist.	-6786 Jan 18 j 13:34	8° II 42'24	29.25864 AU
minimum elong	-6793 Jul 09 j 10:09	24° 8 33'50	0°44'40	direct	-6786 Apr 09 j 02:48	7° II 19'03	
morning rise	-6793 Jul 25 j 00:40	25° 8 08'35		evening set	-6786 Jul 08 j 21:19	9° II 15'33	
retrograde	-6793 Oct 19 j 04:47	27° 8 00'18		max. Earth dist.	-6786 Jul 23 j 10:25	9° II 48'01	31.26053 AU
opposition	-6792 Jan 04 j 17:11	25° 8 38'27	0°50'06				
min. Earth dist.	-6792 Jan 05 j 17:27	25° 8 36'47	29.22066 AU	conjunction	-6786 Jul 24 j 10:45	9° II 50'18	1°19'12
direct	-6792 Mar 26 j 02:55	24° 8 13'12		minimum elong	-6786 Jul 24 j 10:44	9° II 50'18	1°19'36
evening set	-6792 Jun 25 j 03:05	26° 8 09'49		morning rise	-6786 Aug 08 j 20:43	10° II 24'44	

Attention, astronomical year style is used: The year -6786 in astronomical counting style is the year 6787 BCE in historical counting style.

retrograde	-6786 Nov 03 j 05:44	12°II16'47		conjunction	-6779 Aug 08 j 07:34	25°II06'08	1°48'28
opposition	-6785 Jan 20 j 02:32	10°II55'03	1°27'02	minimum elong	-6779 Aug 08 j 07:33	25°II06'08	1°48'55
min. Earth dist.	-6785 Jan 21 j 01:03	10°II53'31	29.26389 AU	morning rise	-6779 Aug 23 j 13:22	25°II40'18	
direct	-6785 Apr 11 j 14:13	9°II30'12		retrograde	-6779 Nov 18 j 03:27	27°II32'47	
evening set	-6785 Jul 11 j 08:03	11°II26'41		opposition	-6778 Feb 04 j 14:47	26°II10'51	1°57'49
				min. Earth dist.	-6778 Feb 05 j 10:18	26°II09'31	29.27733 AU
conjunction	-6785 Jul 26 j 20:58	12°II01'23	1°23'47	direct	-6778 Apr 27 j 01:11	24°II46'11	
minimum elong	-6785 Jul 26 j 20:57	12°II01'22	1°24'12	evening set	-6778 Jul 26 j 08:53	26°II42'16	
max. Earth dist.	-6785 Jul 25 j 21:50	11°II59'12	31.26500 AU				
morning rise	-6785 Aug 11 j 06:11	12°II35'46		conjunction	-6778 Aug 10 j 17:05	27°II16'37	1°52'04
retrograde	-6785 Nov 05 j 14:28	14°II27'53		minimum elong	-6778 Aug 10 j 17:05	27°II16'37	1°52'30
opposition	-6784 Jan 22 j 14:32	13°II06'10	1°31'52	max. Earth dist.	-6778 Aug 09 j 22:05	27°II14'50	31.27759 AU
min. Earth dist.	-6784 Jan 23 j 13:27	13°II04'36	29.26766 AU	morning rise	-6778 Aug 25 j 22:16	27°II50'44	
direct	-6784 Apr 13 j 03:38	11°II41'21		retrograde	-6778 Nov 20 j 14:29	29°II43'19	
evening set	-6784 Jul 12 j 18:57	13°II37'48		opposition	-6777 Feb 07 j 02:54	28°II21'23	2°01'34
max. Earth dist.	-6784 Jul 27 j 06:57	14°II10'11	31.26808 AU	min. Earth dist.	-6777 Feb 07 j 21:25	28°II20'08	29.28076 AU
				direct	-6777 Apr 29 j 14:22	26°II56'47	
conjunction	-6784 Jul 28 j 07:00	14°II12'26	1°28'14	evening set	-6777 Jul 28 j 18:56	28°II52'50	
minimum elong	-6784 Jul 28 j 06:59	14°II12'26	1°28'39	max. Earth dist.	-6777 Aug 12 j 07:16	29°II25'21	31.28143 AU
morning rise	-6784 Aug 12 j 15:44	14°II46'48					
retrograde	-6784 Nov 07 j 01:16	16°II38'57		conjunction	-6777 Aug 13 j 02:24	29°II27'09	1°55'30
opposition	-6783 Jan 24 j 02:24	15°II17'13	1°36'34	minimum elong	-6777 Aug 13 j 02:23	29°II27'09	1°55'58
min. Earth dist.	-6783 Jan 25 j 00:21	15°II15'44	29.27018 AU		-6777 Aug 27 j 17:45	0°☾	
direct	-6783 Apr 15 j 15:40	13°II52'26		morning rise	-6777 Aug 28 j 07:15	0°☾01'14	
evening set	-6783 Jul 15 j 05:36	15°II48'50		retrograde	-6777 Nov 23 j 02:07	1°☾53'55	
				opposition	-6776 Feb 09 j 15:04	0°☾31'59	2°05'10
conjunction	-6783 Jul 30 j 17:06	16°II23'26	1°32'34	min. Earth dist.	-6776 Feb 10 j 08:34	0°☾30'49	29.28499 AU
minimum elong	-6783 Jul 30 j 17:06	16°II23'26	1°33'00		-6776 Feb 29 j 19:35	30°☿II	
max. Earth dist.	-6783 Jul 29 j 18:16	16°II21'17	31.26994 AU	direct	-6776 May 01 j 00:52	29°II07'28	
morning rise	-6783 Aug 15 j 01:05	16°II57'45			-6776 Jun 28 j 07:25	0°☾	
retrograde	-6783 Nov 09 j 10:17	18°II49'57		evening set	-6776 Jul 30 j 04:49	1°☾03'30	
opposition	-6782 Jan 26 j 14:34	17°II28'12	1°41'07				
min. Earth dist.	-6782 Jan 27 j 13:13	17°II26'39	29.27164 AU	conjunction	-6776 Aug 14 j 11:50	1°☾37'47	1°58'47
direct	-6782 Apr 18 j 03:29	16°II03'26		minimum elong	-6776 Aug 14 j 11:49	1°☾37'46	1°59'14
evening set	-6782 Jul 17 j 16:04	17°II59'45		max. Earth dist.	-6776 Aug 13 j 18:32	1°☾36'09	31.28569 AU
max. Earth dist.	-6782 Aug 01 j 03:54	18°II32'09	31.27107 AU	morning rise	-6776 Aug 29 j 16:00	2°☾11'50	
				retrograde	-6776 Nov 24 j 11:41	4°☾04'38	
conjunction	-6782 Aug 02 j 02:48	18°II34'18	1°36'46	opposition	-6775 Feb 11 j 03:27	2°☾42'43	2°08'34
minimum elong	-6782 Aug 02 j 02:47	18°II34'18	1°37'11	min. Earth dist.	-6775 Feb 11 j 20:48	2°☾41'32	29.28926 AU
morning rise	-6782 Aug 17 j 10:20	19°II08'35		direct	-6775 May 03 j 14:17	1°☾18'17	
retrograde	-6782 Nov 11 j 20:03	21°II00'50		evening set	-6775 Aug 01 j 14:54	3°☾14'17	
opposition	-6781 Jan 29 j 02:32	19°II39'02	1°45'32				
min. Earth dist.	-6781 Jan 29 j 23:40	19°II37'36	29.27254 AU	conjunction	-6775 Aug 16 j 21:09	3°☾48'31	2°01'53
direct	-6781 Apr 20 j 15:48	18°II14'17		minimum elong	-6775 Aug 16 j 21:08	3°☾48'31	2°02'21
evening set	-6781 Jul 20 j 02:25	20°II10'32		max. Earth dist.	-6775 Aug 16 j 03:33	3°☾46'51	31.28988 AU
				morning rise	-6775 Sep 01 j 01:00	4°☾22'32	
conjunction	-6781 Aug 04 j 12:33	20°II45'02	1°40'49	retrograde	-6775 Nov 26 j 23:40	6°☾15'27	
minimum elong	-6781 Aug 04 j 12:32	20°II45'02	1°41'15	opposition	-6774 Feb 13 j 15:52	4°☾53'32	2°11'48
max. Earth dist.	-6781 Aug 03 j 14:30	20°II42'58	31.27176 AU	min. Earth dist.	-6774 Feb 14 j 07:47	4°☾52'28	29.29329 AU
morning rise	-6781 Aug 19 j 19:27	21°II19'16		direct	-6774 May 06 j 02:32	3°☾29'11	
retrograde	-6781 Nov 14 j 05:49	23°II11'36		evening set	-6774 Aug 04 j 00:41	5°☾25'08	
opposition	-6780 Jan 31 j 14:30	21°II49'44	1°49'47				
min. Earth dist.	-6780 Feb 01 j 12:00	21°II48'16	29.27344 AU	conjunction	-6774 Aug 19 j 06:31	5°☾59'21	2°04'49
direct	-6780 Apr 22 j 01:56	20°II24'59		minimum elong	-6774 Aug 19 j 06:30	5°☾59'20	2°05'16
evening set	-6780 Jul 21 j 12:42	22°II21'11		max. Earth dist.	-6774 Aug 18 j 14:20	5°☾57'49	31.29338 AU
				morning rise	-6774 Sep 03 j 09:47	6°☾33'21	
conjunction	-6780 Aug 05 j 22:10	22°II55'38	1°44'43	retrograde	-6774 Nov 29 j 09:20	8°☾26'23	
minimum elong	-6780 Aug 05 j 22:09	22°II55'38	1°45'09	opposition	-6773 Feb 16 j 04:29	7°☾04'27	2°14'50
max. Earth dist.	-6780 Aug 05 j 00:59	22°II53'38	31.27285 AU	min. Earth dist.	-6773 Feb 16 j 20:56	7°☾03'21	29.29636 AU
morning rise	-6780 Aug 21 j 04:30	23°II29'50		direct	-6773 May 08 j 14:28	5°☾40'11	
retrograde	-6780 Nov 15 j 15:57	25°II22'13		evening set	-6773 Aug 06 j 10:43	7°☾36'05	
opposition	-6779 Feb 02 j 02:34	24°II00'19	1°53'53				
min. Earth dist.	-6779 Feb 02 j 22:28	23°II58'58	29.27486 AU	conjunction	-6773 Aug 21 j 15:54	8°☾10'14	2°07'34
direct	-6779 Apr 24 j 13:55	22°II35'36		minimum elong	-6773 Aug 21 j 15:54	8°☾10'14	2°08'01
evening set	-6779 Jul 23 j 22:50	24°II31'44		max. Earth dist.	-6773 Aug 20 j 23:46	8°☾08'43	31.29584 AU
max. Earth dist.	-6779 Aug 07 j 10:46	25°II04'11	31.27463 AU	morning rise	-6773 Sep 05 j 18:50	8°☾44'13	
				retrograde	-6773 Dec 01 j 19:18	10°☾37'21	

Attention, astronomical year style is used: The year -6772 in astronomical counting style is the year 6773 BCE in historical counting style.

opposition	-6772 Feb 18 j 16:52	9°☾15'25	2°17'41	max. Earth dist.	-6766 Sep 04 j 21:04	23°☾23'58	31.28490 AU
min. Earth dist.	-6772 Feb 19 j 07:49	9°☾14'24	29.29814 AU	morning rise	-6766 Sep 20 j 08:42	23°☾58'49	
direct	-6772 May 10 j 02:32	7°☾51'11		retrograde	-6766 Dec 17 j 00:43	25°☾52'41	
evening set	-6772 Aug 07 j 20:39	9°☾47'01		opposition	-6765 Mar 06 j 09:59	24°☾30'19	2°31'54
max. Earth dist.	-6772 Aug 22 j 09:45	10°☾19'41	31.29678 AU	min. Earth dist.	-6765 Mar 06 j 19:05	24°☾29'42	29.28625 AU
				direct	-6765 May 26 j 12:48	23°☾06'19	
conjunction	-6772 Aug 23 j 01:20	10°☾21'09	2°10'08	evening set	-6765 Aug 23 j 15:06	25°☾01'34	
minimum elong	-6772 Aug 23 j 01:20	10°☾21'09	2°10'35				
morning rise	-6772 Sep 07 j 03:49	10°☾55'06		conjunction	-6765 Sep 07 j 16:57	25°☾35'30	2°22'45
retrograde	-6772 Dec 03 j 05:33	12°☾48'21		minimum elong	-6765 Sep 07 j 16:57	25°☾35'30	2°23'11
opposition	-6771 Feb 20 j 05:38	11°☾26'22	2°20'20	max. Earth dist.	-6765 Sep 07 j 07:51	25°☾34'38	31.28393 AU
min. Earth dist.	-6771 Feb 20 j 21:01	11°☾25'20	29.29849 AU	morning rise	-6765 Sep 22 j 17:25	26°☾09'20	
direct	-6771 May 12 j 12:59	10°☾02'11		retrograde	-6765 Dec 19 j 10:43	28°☾03'20	
evening set	-6771 Aug 10 j 06:23	11°☾57'56		opposition	-6764 Mar 07 j 22:44	26°☾40'57	2°33'05
				min. Earth dist.	-6764 Mar 08 j 07:50	26°☾40'20	29.28564 AU
conjunction	-6771 Aug 25 j 10:36	12°☾32'02	2°12'31	direct	-6764 May 28 j 00:25	25°☾17'02	
minimum elong	-6771 Aug 25 j 10:36	12°☾32'02	2°12'59	evening set	-6764 Aug 25 j 00:24	27°☾12'14	
max. Earth dist.	-6771 Aug 24 j 19:51	12°☾30'38	31.29640 AU				
morning rise	-6771 Sep 09 j 12:42	13°☾05'57		conjunction	-6764 Sep 09 j 01:53	27°☾46'08	2°23'45
retrograde	-6771 Dec 05 j 15:59	14°☾59'18		minimum elong	-6764 Sep 09 j 01:53	27°☾46'08	2°24'10
opposition	-6770 Feb 22 j 18:22	13°☾37'16	2°22'47	max. Earth dist.	-6764 Sep 08 j 17:34	27°☾45'21	31.28367 AU
min. Earth dist.	-6770 Feb 23 j 08:21	13°☾36'20	29.29736 AU	morning rise	-6764 Sep 24 j 02:15	28°☾19'58	
direct	-6770 May 15 j 01:21	12°☾13'07			-6764 Nov 21 j 19:09	0°♂	
evening set	-6770 Aug 12 j 16:10	14°☾08'46		retrograde	-6764 Dec 20 j 21:08	0°♂14'07	
					-6763 Jan 19 j 18:06	30°♂☾	
conjunction	-6770 Aug 27 j 19:51	14°☾42'49	2°14'43	opposition	-6763 Mar 10 j 11:35	28°☾51'43	2°34'02
minimum elong	-6770 Aug 27 j 19:51	14°☾42'49	2°15'10	min. Earth dist.	-6763 Mar 10 j 18:35	28°☾51'15	29.28547 AU
max. Earth dist.	-6770 Aug 27 j 05:05	14°☾41'26	31.29464 AU	direct	-6763 May 30 j 12:19	27°☾27'54	
morning rise	-6770 Sep 11 j 21:42	15°☾16'44		evening set	-6763 Aug 27 j 09:33	29°☾23'02	
retrograde	-6770 Dec 08 j 03:38	17°☾10'10					
opposition	-6769 Feb 25 j 07:00	15°☾48'04	2°25'01	conjunction	-6763 Sep 11 j 10:45	29°☾56'56	2°24'32
min. Earth dist.	-6769 Feb 25 j 20:55	15°☾47'08	29.29525 AU	minimum elong	-6763 Sep 11 j 10:45	29°☾56'56	2°24'58
direct	-6769 May 17 j 12:06	14°☾23'55		max. Earth dist.	-6763 Sep 11 j 03:23	29°☾56'14	31.28344 AU
evening set	-6769 Aug 15 j 01:40	16°☾19'29			-6763 Sep 12 j 19:06	0°♂	
				morning rise	-6763 Sep 26 j 11:00	0°♂30'46	
conjunction	-6769 Aug 30 j 05:04	16°☾53'30	2°16'43	retrograde	-6763 Dec 23 j 07:57	2°♂25'05	
minimum elong	-6769 Aug 30 j 05:04	16°☾53'30	2°17'11	opposition	-6762 Mar 13 j 00:40	1°♂02'40	2°34'46
max. Earth dist.	-6769 Aug 29 j 15:59	16°☾52'16	31.29210 AU	min. Earth dist.	-6762 Mar 13 j 07:43	1°♂02'12	29.28522 AU
morning rise	-6769 Sep 14 j 06:30	17°☾27'23			-6762 Apr 25 j 18:55	30°♂☾	
retrograde	-6769 Dec 10 j 14:22	19°☾20'55		direct	-6762 Jun 01 j 22:26	29°☾38'57	
opposition	-6768 Feb 27 j 19:43	17°☾58'44	2°27'04		-6762 Jul 07 j 21:12	0°♂	
min. Earth dist.	-6768 Feb 28 j 08:41	17°☾57'51	29.29240 AU	evening set	-6762 Aug 29 j 18:48	1°♂34'01	
direct	-6768 May 19 j 00:53	16°☾34'36					
evening set	-6768 Aug 16 j 11:12	18°☾30'04		conjunction	-6762 Sep 13 j 19:50	2°♂07'55	2°25'07
				minimum elong	-6762 Sep 13 j 19:50	2°♂07'55	2°25'31
conjunction	-6768 Aug 31 j 13:59	19°☾04'04	2°18'32	max. Earth dist.	-6762 Sep 13 j 13:44	2°♂07'20	31.28296 AU
minimum elong	-6768 Aug 31 j 13:59	19°☾04'04	2°18'58	morning rise	-6762 Sep 28 j 19:55	2°♂41'45	
max. Earth dist.	-6768 Aug 31 j 00:51	19°☾02'49	31.28917 AU	retrograde	-6762 Dec 25 j 18:50	4°♂36'13	
morning rise	-6768 Sep 15 j 15:16	19°☾37'55		opposition	-6761 Mar 15 j 13:29	3°♂13'47	2°35'17
retrograde	-6768 Dec 12 j 02:14	21°☾31'33		min. Earth dist.	-6761 Mar 15 j 18:59	3°♂13'25	29.28429 AU
opposition	-6767 Mar 01 j 08:27	20°☾09'17	2°28'53	direct	-6761 Jun 04 j 10:12	1°♂50'09	
min. Earth dist.	-6767 Mar 01 j 20:10	20°☾08'30	29.28969 AU	evening set	-6761 Sep 01 j 04:09	3°♂45'10	
direct	-6767 May 21 j 11:24	18°☾45'11					
evening set	-6767 Aug 18 j 20:31	20°☾40'34		conjunction	-6761 Sep 16 j 04:52	4°♂19'02	2°25'30
				minimum elong	-6761 Sep 16 j 04:52	4°♂19'02	2°25'54
conjunction	-6767 Sep 02 j 23:05	21°☾14'32	2°20'08	max. Earth dist.	-6761 Sep 15 j 22:43	4°♂18'27	31.28151 AU
minimum elong	-6767 Sep 02 j 23:05	21°☾14'32	2°20'35	morning rise	-6761 Oct 01 j 05:00	4°♂52'53	
max. Earth dist.	-6767 Sep 02 j 12:02	21°☾13'29	31.28661 AU	retrograde	-6761 Dec 28 j 07:05	6°♂47'30	
morning rise	-6767 Sep 17 j 23:56	21°☾48'23		opposition	-6760 Mar 17 j 02:37	5°♂25'02	2°35'34
retrograde	-6767 Dec 14 j 12:18	23°☾42'07		min. Earth dist.	-6760 Mar 17 j 07:57	5°♂24'41	29.28234 AU
opposition	-6766 Mar 03 j 21:17	22°☾19'48	2°30'30	direct	-6760 Jun 05 j 20:11	4°♂01'28	
min. Earth dist.	-6766 Mar 04 j 08:23	22°☾19'03	29.28751 AU	evening set	-6760 Sep 02 j 13:20	5°♂56'24	
direct	-6766 May 24 j 00:44	20°☾55'44					
evening set	-6766 Aug 21 j 05:51	22°☾51'03		conjunction	-6760 Sep 17 j 13:59	6°♂30'17	2°25'40
				minimum elong	-6760 Sep 17 j 14:00	6°♂30'17	2°26'02
conjunction	-6766 Sep 05 j 07:55	23°☾24'59	2°21'33	max. Earth dist.	-6760 Sep 17 j 09:32	6°♂29'51	31.27882 AU
minimum elong	-6766 Sep 05 j 07:55	23°☾24'59	2°21'58	morning rise	-6760 Oct 02 j 13:55	7°♂04'07	

Attention, astronomical year style is used: The year -6759 in astronomical counting style is the year 6760 BCE in historical counting style.

retrograde	-6760 Dec 29 j 18:22	8°♏58'53		min. Earth dist.	-6753 Apr 02 j 21:27	20°♏42'57	29.23910 AU
opposition	-6759 Mar 19 j 15:47	7°♏36'22	2°35'38	direct	-6753 Jun 22 j 06:57	19°♏19'27	
min. Earth dist.	-6759 Mar 19 j 20:15	7°♏36'04	29.27884 AU	evening set	-6753 Sep 18 j 04:42	21°♏13'37	
direct	-6759 Jun 08 j 07:50	6°♏12'51					
evening set	-6759 Sep 04 j 22:43	8°♏07'42		conjunction	-6753 Oct 03 j 05:06	21°♏47'29	2°21'02
				minimum elong	-6753 Oct 03 j 05:07	21°♏47'29	2°21'21
conjunction	-6759 Sep 19 j 23:04	8°♏41'34	2°25'37	max. Earth dist.	-6753 Oct 03 j 07:03	21°♏47'40	31.23442 AU
minimum elong	-6759 Sep 19 j 23:05	8°♏41'34	2°26'01	morning rise	-6753 Oct 18 j 05:49	22°♏21'24	
max. Earth dist.	-6759 Sep 19 j 18:14	8°♏41'06	31.27465 AU	retrograde	-6752 Jan 15 j 01:55	24°♏16'54	
morning rise	-6759 Oct 04 j 23:10	9°♏15'24		opposition	-6752 Apr 04 j 11:15	22°♏53'44	2°29'55
retrograde	-6758 Jan 01 j 07:03	11°♏10'18		min. Earth dist.	-6752 Apr 04 j 08:21	22°♏53'56	29.23356 AU
opposition	-6758 Mar 22 j 04:55	9°♏47'43	2°35'29	direct	-6752 Jun 23 j 19:01	21°♏30'20	
min. Earth dist.	-6758 Mar 22 j 08:28	9°♏47'29	29.27400 AU	evening set	-6752 Sep 19 j 13:33	23°♏24'24	
direct	-6758 Jun 10 j 17:52	8°♏24'13					
evening set	-6758 Sep 07 j 07:49	10°♏18'58		conjunction	-6752 Oct 04 j 13:54	23°♏58'17	2°19'32
				minimum elong	-6752 Oct 04 j 13:55	23°♏58'17	2°19'50
conjunction	-6758 Sep 22 j 08:16	10°♏52'50	2°25'22	max. Earth dist.	-6752 Oct 04 j 16:14	23°♏58'30	31.22935 AU
minimum elong	-6758 Sep 22 j 08:16	10°♏52'50	2°25'44	morning rise	-6752 Oct 19 j 14:58	24°♏32'14	
max. Earth dist.	-6758 Sep 22 j 05:04	10°♏52'32	31.26901 AU	retrograde	-6751 Jan 16 j 13:46	26°♏27'53	
morning rise	-6758 Oct 07 j 08:16	11°♏26'41		opposition	-6751 Apr 07 j 00:27	25°♏04'40	2°28'13
retrograde	-6757 Jan 03 j 18:14	13°♏21'41		min. Earth dist.	-6751 Apr 06 j 20:53	25°♏04'54	29.22889 AU
opposition	-6757 Mar 24 j 18:05	11°♏59'00	2°35'06	direct	-6751 Jun 26 j 04:33	23°♏41'20	
min. Earth dist.	-6757 Mar 24 j 21:24	11°♏58'46	29.26762 AU	evening set	-6751 Sep 21 j 22:22	25°♏35'18	
direct	-6757 Jun 13 j 07:14	10°♏35'31					
evening set	-6757 Sep 09 j 17:00	12°♏30'09		conjunction	-6751 Oct 06 j 23:01	26°♏09'12	2°17'51
				minimum elong	-6751 Oct 06 j 23:01	26°♏09'12	2°18'09
conjunction	-6757 Sep 24 j 17:14	13°♏04'00	2°24'55	max. Earth dist.	-6751 Oct 07 j 03:32	26°♏09'38	31.22498 AU
minimum elong	-6757 Sep 24 j 17:15	13°♏04'00	2°25'17	morning rise	-6751 Oct 22 j 00:12	26°♏43'11	
max. Earth dist.	-6757 Sep 24 j 13:58	13°♏03'41	31.26218 AU	retrograde	-6750 Jan 19 j 00:49	28°♏38'59	
morning rise	-6757 Oct 09 j 17:26	13°♏37'51		opposition	-6750 Apr 09 j 13:31	27°♏15'43	2°26'18
	-6757 Nov 22 j 05:13	15°♏		min. Earth dist.	-6750 Apr 09 j 08:45	27°♏16'02	29.22458 AU
retrograde	-6756 Jan 06 j 07:23	15°♏32'57		direct	-6750 Jun 28 j 15:29	25°♏52'28	
	-6756 Feb 22 j 04:25	15°♏♏		evening set	-6750 Sep 24 j 07:21	27°♏46'22	
opposition	-6756 Mar 26 j 07:01	14°♏10'09	2°34'30				
min. Earth dist.	-6756 Mar 26 j 08:42	14°♏10'03	29.26034 AU	conjunction	-6750 Oct 09 j 08:00	28°♏20'17	2°15'57
direct	-6756 Jun 14 j 19:20	12°♏46'40		minimum elong	-6750 Oct 09 j 08:00	28°♏20'17	2°16'14
evening set	-6756 Sep 11 j 01:59	14°♏41'11		max. Earth dist.	-6750 Oct 09 j 12:29	28°♏20'42	31.22082 AU
	-6756 Sep 19 j 11:24	15°♏		morning rise	-6750 Oct 24 j 09:40	28°♏54'17	
					-6750 Nov 26 j 07:08	0°♏	
conjunction	-6756 Sep 26 j 02:17	15°♏15'02	2°24'15	retrograde	-6749 Jan 21 j 14:13	0°♏50'15	
minimum elong	-6756 Sep 26 j 02:17	15°♏15'02	2°24'35		-6749 Mar 22 j 02:27	30°♏♏	
max. Earth dist.	-6756 Sep 26 j 00:33	15°♏14'52	31.25463 AU	opposition	-6749 Apr 12 j 02:39	29°♏26'57	2°24'11
morning rise	-6756 Oct 11 j 02:30	15°♏48'54		min. Earth dist.	-6749 Apr 11 j 20:46	29°♏27'20	29.22033 AU
retrograde	-6755 Jan 07 j 17:36	17°♏44'06		direct	-6749 Jul 01 j 00:54	28°♏03'46	
opposition	-6755 Mar 28 j 20:15	16°♏21'11	2°33'41	evening set	-6749 Sep 26 j 16:16	29°♏57'36	
min. Earth dist.	-6755 Mar 28 j 21:54	16°♏21'04	29.25274 AU		-6749 Sep 27 j 18:08	0°♏	
	-6755 Jun 05 j 09:26	15°♏♏					
direct	-6755 Jun 17 j 07:08	14°♏57'42		conjunction	-6749 Oct 11 j 17:12	0°♏31'32	2°13'52
	-6755 Jun 29 j 02:28	15°♏		minimum elong	-6749 Oct 11 j 17:13	0°♏31'32	2°14'08
evening set	-6755 Sep 13 j 10:52	16°♏52'05		max. Earth dist.	-6749 Oct 11 j 23:29	0°♏32'08	31.21629 AU
				morning rise	-6749 Oct 26 j 19:01	1°♏05'35	
conjunction	-6755 Sep 28 j 11:07	17°♏25'56	2°23'23	retrograde	-6748 Jan 24 j 02:06	3°♏01'41	
minimum elong	-6755 Sep 28 j 11:08	17°♏25'56	2°23'43	opposition	-6748 Apr 13 j 15:49	1°♏38'21	2°21'50
max. Earth dist.	-6755 Sep 28 j 10:26	17°♏25'52	31.24722 AU	min. Earth dist.	-6748 Apr 13 j 09:37	1°♏38'46	29.21542 AU
morning rise	-6755 Oct 13 j 11:31	17°♏59'49		direct	-6748 Jul 02 j 12:54	0°♏15'15	
retrograde	-6754 Jan 10 j 04:21	19°♏55'05		evening set	-6748 Sep 28 j 01:25	2°♏09'01	
opposition	-6754 Mar 31 j 09:16	18°♏32'04	2°32'39				
min. Earth dist.	-6754 Mar 31 j 08:42	18°♏32'07	29.24551 AU	conjunction	-6748 Oct 13 j 02:27	2°♏42'59	2°11'35
direct	-6754 Jun 19 j 20:02	17°♏08'36		minimum elong	-6748 Oct 13 j 02:28	2°♏42'59	2°11'49
evening set	-6754 Sep 15 j 19:50	19°♏02'52		max. Earth dist.	-6748 Oct 13 j 08:46	2°♏43'34	31.21112 AU
				morning rise	-6748 Oct 28 j 04:42	3°♏17'03	
conjunction	-6754 Sep 30 j 20:05	19°♏36'43	2°22'18	retrograde	-6747 Jan 25 j 16:25	5°♏13'18	
minimum elong	-6754 Sep 30 j 20:06	19°♏36'43	2°22'37	opposition	-6747 Apr 16 j 05:02	3°♏49'55	2°19'17
max. Earth dist.	-6754 Sep 30 j 20:19	19°♏36'45	31.24030 AU	min. Earth dist.	-6747 Apr 15 j 21:15	3°♏50'26	29.20970 AU
morning rise	-6754 Oct 15 j 20:41	20°♏10'37		direct	-6747 Jul 04 j 23:57	2°♏26'52	
retrograde	-6753 Jan 12 j 15:23	22°♏06'00		evening set	-6747 Sep 30 j 10:28	4°♏20'34	
opposition	-6753 Apr 02 j 22:15	20°♏42'54	2°31'24				

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

Attention, astronomical year style is used: The year -6747 in astronomical counting style is the year 6748 BCE in historical counting style.

conjunction	-6747 Oct 15 j 11:48	4° $\mathring{\mu}$ 54'33	2°09'06	direct	-6740 Jul 20 j 06:32	17° $\mathring{\mu}$ 48'41	
minimum elong	-6747 Oct 15 j 11:49	4° $\mathring{\mu}$ 54'33	2°09'20	evening set	-6740 Oct 15 j 02:03	19° $\mathring{\mu}$ 41'40	
max. Earth dist.	-6747 Oct 15 j 19:14	4° $\mathring{\mu}$ 55'16	31.20477 AU				
morning rise	-6747 Oct 30 j 14:24	5° $\mathring{\mu}$ 28'40		conjunction	-6740 Oct 30 j 05:50	20° $\mathring{\mu}$ 15'51	1°46'48
retrograde	-6746 Jan 28 j 03:52	7° $\mathring{\mu}$ 25'04		minimum elong	-6740 Oct 30 j 05:51	20° $\mathring{\mu}$ 15'51	1°46'55
opposition	-6746 Apr 18 j 18:24	6° $\mathring{\mu}$ 01'36	2°16'32	max. Earth dist.	-6740 Oct 30 j 19:59	20° $\mathring{\mu}$ 17'11	31.14388 AU
min. Earth dist.	-6746 Apr 18 j 10:57	6° $\mathring{\mu}$ 02'07	29.20268 AU	morning rise	-6740 Nov 14 j 11:43	20° $\mathring{\mu}$ 50'16	
direct	-6746 Jul 07 j 11:11	4° $\mathring{\mu}$ 38'36		retrograde	-6739 Feb 12 j 13:42	22° $\mathring{\mu}$ 47'22	
evening set	-6746 Oct 02 j 19:41	6° $\mathring{\mu}$ 32'13		opposition	-6739 May 04 j 13:49	21° $\mathring{\mu}$ 23'18	1°52'04
				min. Earth dist.	-6739 May 03 j 23:32	21° $\mathring{\mu}$ 24'16	29.14172 AU
				direct	-6739 Jul 22 j 17:36	20° $\mathring{\mu}$ 00'25	
				evening set	-6739 Oct 17 j 11:11	21° $\mathring{\mu}$ 53'20	
conjunction	-6746 Oct 17 j 21:18	7° $\mathring{\mu}$ 06'13	2°06'26				
minimum elong	-6746 Oct 17 j 21:19	7° $\mathring{\mu}$ 06'14	2°06'39				
max. Earth dist.	-6746 Oct 18 j 05:21	7° $\mathring{\mu}$ 06'59	31.19723 AU				
morning rise	-6746 Nov 02 j 00:18	7° $\mathring{\mu}$ 40'23		conjunction	-6739 Nov 01 j 15:21	22° $\mathring{\mu}$ 27'33	1°42'56
retrograde	-6745 Jan 30 j 16:02	9° $\mathring{\mu}$ 36'52		minimum elong	-6739 Nov 01 j 15:22	22° $\mathring{\mu}$ 27'33	1°43'03
opposition	-6745 Apr 21 j 07:23	8° $\mathring{\mu}$ 13'21	2°13'36	max. Earth dist.	-6739 Nov 02 j 05:55	22° $\mathring{\mu}$ 28'56	31.13760 AU
min. Earth dist.	-6745 Apr 20 j 22:16	8° $\mathring{\mu}$ 13'58	29.19437 AU	morning rise	-6739 Nov 16 j 21:55	23° $\mathring{\mu}$ 02'01	
direct	-6745 Jul 10 j 00:05	6° $\mathring{\mu}$ 50'22		retrograde	-6738 Feb 15 j 03:54	24° $\mathring{\mu}$ 59'14	
evening set	-6745 Oct 05 j 04:52	8° $\mathring{\mu}$ 43'53		min. Earth dist.	-6738 May 06 j 10:45	23° $\mathring{\mu}$ 36'12	29.13571 AU
				opposition	-6738 May 07 j 02:46	23° $\mathring{\mu}$ 35'07	1°47'51
				direct	-6738 Jul 25 j 03:32	22° $\mathring{\mu}$ 12'17	
				evening set	-6738 Oct 19 j 20:29	24° $\mathring{\mu}$ 05'09	
conjunction	-6745 Oct 20 j 06:43	9° $\mathring{\mu}$ 17'55	2°03'36				
minimum elong	-6745 Oct 20 j 06:44	9° $\mathring{\mu}$ 17'55	2°03'48				
max. Earth dist.	-6745 Oct 20 j 15:04	9° $\mathring{\mu}$ 18'43	31.18836 AU	conjunction	-6738 Nov 04 j 01:07	24° $\mathring{\mu}$ 39'25	1°38'56
morning rise	-6745 Nov 04 j 10:13	9° $\mathring{\mu}$ 52'07		minimum elong	-6738 Nov 04 j 01:07	24° $\mathring{\mu}$ 39'25	1°39'01
retrograde	-6744 Feb 02 j 04:17	11° $\mathring{\mu}$ 48'43		max. Earth dist.	-6738 Nov 04 j 16:53	24° $\mathring{\mu}$ 40'54	31.13181 AU
opposition	-6744 Apr 22 j 20:40	10° $\mathring{\mu}$ 25'05	2°10'28	morning rise	-6738 Nov 19 j 08:13	25° $\mathring{\mu}$ 13'55	
min. Earth dist.	-6744 Apr 22 j 11:48	10° $\mathring{\mu}$ 25'41	29.18503 AU	retrograde	-6737 Feb 17 j 15:57	27° $\mathring{\mu}$ 11'16	
direct	-6744 Jul 11 j 11:27	9° $\mathring{\mu}$ 02'07		opposition	-6737 May 09 j 15:42	25° $\mathring{\mu}$ 47'07	1°43'29
evening set	-6744 Oct 06 j 13:46	10° $\mathring{\mu}$ 55'31		min. Earth dist.	-6737 May 08 j 23:55	25° $\mathring{\mu}$ 48'11	29.13004 AU
				direct	-6737 Jul 27 j 13:55	24° $\mathring{\mu}$ 24'20	
				evening set	-6737 Oct 22 j 05:50	26° $\mathring{\mu}$ 17'08	
conjunction	-6744 Oct 21 j 16:04	11° $\mathring{\mu}$ 29'35	2°00'34				
minimum elong	-6744 Oct 21 j 16:05	11° $\mathring{\mu}$ 29'35	2°00'45				
max. Earth dist.	-6744 Oct 22 j 01:59	11° $\mathring{\mu}$ 30'31	31.17879 AU	conjunction	-6737 Nov 06 j 10:58	26° $\mathring{\mu}$ 51'26	1°34'46
morning rise	-6744 Nov 05 j 19:55	12° $\mathring{\mu}$ 03'49		minimum elong	-6737 Nov 06 j 10:59	26° $\mathring{\mu}$ 51'26	1°34'51
retrograde	-6743 Feb 03 j 14:52	14° $\mathring{\mu}$ 00'30		max. Earth dist.	-6737 Nov 07 j 03:41	26° $\mathring{\mu}$ 53'01	31.12632 AU
opposition	-6743 Apr 25 j 09:48	12° $\mathring{\mu}$ 36'46	2°07'09	morning rise	-6737 Nov 21 j 18:36	27° $\mathring{\mu}$ 26'00	
min. Earth dist.	-6743 Apr 24 j 23:08	12° $\mathring{\mu}$ 37'30	29.17515 AU	retrograde	-6736 Feb 20 j 05:52	29° $\mathring{\mu}$ 23'27	
direct	-6743 Jul 14 j 00:01	11° $\mathring{\mu}$ 13'48		min. Earth dist.	-6736 May 10 j 11:11	28° $\mathring{\mu}$ 00'27	29.12434 AU
evening set	-6743 Oct 08 j 22:56	13° $\mathring{\mu}$ 07'05		opposition	-6736 May 11 j 04:41	27° $\mathring{\mu}$ 59'16	1°38'57
				direct	-6736 Jul 29 j 02:33	26° $\mathring{\mu}$ 36'33	
				evening set	-6736 Oct 23 j 15:17	28° $\mathring{\mu}$ 29'17	
conjunction	-6743 Oct 24 j 01:25	13° $\mathring{\mu}$ 41'10	1°57'23				
minimum elong	-6743 Oct 24 j 01:26	13° $\mathring{\mu}$ 41'10	1°57'34				
max. Earth dist.	-6743 Oct 24 j 11:24	13° $\mathring{\mu}$ 42'07	31.16898 AU	conjunction	-6736 Nov 07 j 20:47	29° $\mathring{\mu}$ 03'38	1°30'28
morning rise	-6743 Nov 08 j 05:55	14° $\mathring{\mu}$ 15'27		minimum elong	-6736 Nov 07 j 20:48	29° $\mathring{\mu}$ 03'38	1°30'30
retrograde	-6742 Feb 06 j 02:17	16° $\mathring{\mu}$ 12'14		max. Earth dist.	-6736 Nov 08 j 13:44	29° $\mathring{\mu}$ 05'14	31.12041 AU
opposition	-6742 Apr 27 j 22:50	14° $\mathring{\mu}$ 48'24	2°03'38	morning rise	-6736 Nov 23 j 05:07	29° $\mathring{\mu}$ 38'15	
min. Earth dist.	-6742 Apr 27 j 11:47	14° $\mathring{\mu}$ 49'09	29.16555 AU		-6736 Dec 03 j 05:52	0° $\mathring{\mu}$	
direct	-6742 Jul 16 j 09:52	13° $\mathring{\mu}$ 25'26		retrograde	-6735 Feb 21 j 19:33	1° $\mathring{\mu}$ 35'49	
evening set	-6742 Oct 11 j 07:53	15° $\mathring{\mu}$ 18'36		opposition	-6735 May 13 j 17:53	0° $\mathring{\mu}$ 11'35	1°34'17
				min. Earth dist.	-6735 May 13 j 00:49	0° $\mathring{\mu}$ 12'45	29.11810 AU
conjunction	-6742 Oct 26 j 10:55	15° $\mathring{\mu}$ 52'43	1°54'01		-6735 May 20 j 20:52	30° $\mathring{\mu}$	
minimum elong	-6742 Oct 26 j 10:56	15° $\mathring{\mu}$ 52'43	1°54'10	direct	-6735 Jul 31 j 13:33	28° $\mathring{\mu}$ 48'55	
max. Earth dist.	-6742 Oct 26 j 23:02	15° $\mathring{\mu}$ 53'52	31.15967 AU		-6735 Oct 06 j 05:11	0° $\mathring{\mu}$	
morning rise	-6742 Nov 10 j 15:45	16° $\mathring{\mu}$ 27'02		evening set	-6735 Oct 26 j 00:53	0° $\mathring{\mu}$ 41'36	
retrograde	-6741 Feb 08 j 12:46	18° $\mathring{\mu}$ 23'55					
opposition	-6741 Apr 30 j 11:48	16° $\mathring{\mu}$ 59'59	1°59'57				
min. Earth dist.	-6741 Apr 29 j 23:27	17° $\mathring{\mu}$ 00'50	29.15653 AU	conjunction	-6735 Nov 10 j 07:02	1° $\mathring{\mu}$ 15'59	1°26'01
direct	-6741 Jul 18 j 20:56	15° $\mathring{\mu}$ 37'02		minimum elong	-6735 Nov 10 j 07:03	1° $\mathring{\mu}$ 15'59	1°26'04
evening set	-6741 Oct 13 j 17:01	17° $\mathring{\mu}$ 30'06		max. Earth dist.	-6735 Nov 11 j 01:15	1° $\mathring{\mu}$ 17'43	31.11378 AU
				morning rise	-6735 Nov 25 j 15:51	1° $\mathring{\mu}$ 50'39	
conjunction	-6741 Oct 28 j 20:15	18° $\mathring{\mu}$ 04'15	1°50'29	retrograde	-6734 Feb 24 j 07:07	3° $\mathring{\mu}$ 48'19	
minimum elong	-6741 Oct 28 j 20:16	18° $\mathring{\mu}$ 04'15	1°50'38	opposition	-6734 May 16 j 06:46	2° $\mathring{\mu}$ 24'03	1°29'28
max. Earth dist.	-6741 Oct 29 j 08:27	18° $\mathring{\mu}$ 05'25	31.15124 AU	min. Earth dist.	-6734 May 15 j 12:25	2° $\mathring{\mu}$ 25'18	29.11080 AU
morning rise	-6741 Nov 13 j 01:44	18° $\mathring{\mu}$ 38'37		direct	-6734 Aug 03 j 01:53	1° $\mathring{\mu}$ 01'24	
retrograde	-6740 Feb 11 j 01:59	20° $\mathring{\mu}$ 35'37		evening set	-6734 Oct 28 j 10:44	2° $\mathring{\mu}$ 54'01	
min. Earth dist.	-6740 May 01 j 11:09	19° $\mathring{\mu}$ 12'32	29.14863 AU				
opposition	-6740 May 02 j 00:46	19° $\mathring{\mu}$ 11'36	1°56'06	conjunction	-6734 Nov 12 j 17:15	3° $\mathring{\mu}$ 28'27	1°21'27

Attention, astronomical year style is used: The year -6734 in astronomical counting style is the year 6735 BCE in historical counting style.

minimum elong	-6734 Nov 12 j 17:15	3° <u>28</u> '27	1°21'28	evening set	-6727 Nov 12 j 07:51	18° <u>20</u> '57	
max. Earth dist.	-6734 Nov 13 j 10:51	3° <u>30</u> '07	31.10591 AU				
morning rise	-6734 Nov 28 j 02:51	4° <u>03</u> '10		conjunction	-6727 Nov 27 j 18:14	18° <u>55</u> '41	0°46'32
retrograde	-6733 Feb 26 j 19:44	6° <u>00</u> '56		minimum elong	-6727 Nov 27 j 18:14	18° <u>55</u> '41	0°46'27
opposition	-6733 May 18 j 19:53	4° <u>36</u> '35	1°24'31	max. Earth dist.	-6727 Nov 28 j 16:39	18° <u>57</u> '48	31.03783 AU
min. Earth dist.	-6733 May 18 j 01:44	4° <u>37</u> '49	29.10227 AU	morning rise	-6727 Dec 13 j 08:19	19° <u>30</u> '46	
direct	-6733 Aug 05 j 12:16	3° <u>13</u> '57		retrograde	-6726 Mar 14 j 13:12	21° <u>29</u> '02	
evening set	-6733 Oct 30 j 20:23	5° <u>06</u> '28		opposition	-6726 Jun 03 j 13:16	20° <u>04</u> '09	0°46'49
				min. Earth dist.	-6726 Jun 02 j 15:08	20° <u>05</u> '40	29.03468 AU
conjunction	-6733 Nov 15 j 03:34	5° <u>40</u> '57	1°16'46	direct	-6726 Aug 20 j 16:48	18° <u>41</u> '28	
minimum elong	-6733 Nov 15 j 03:34	5° <u>40</u> '57	1°16'47	evening set	-6726 Nov 14 j 17:59	20° <u>33</u> '37	
max. Earth dist.	-6733 Nov 15 j 22:42	5° <u>42</u> '46	31.09673 AU				
morning rise	-6733 Nov 30 j 13:36	6° <u>15</u> '43		conjunction	-6726 Nov 30 j 05:05	21° <u>08</u> '25	0°41'12
retrograde	-6732 Feb 29 j 06:50	8° <u>13</u> '34		minimum elong	-6726 Nov 30 j 05:05	21° <u>08</u> '25	0°41'04
opposition	-6732 May 20 j 08:52	6° <u>49</u> '08	1°19'26	max. Earth dist.	-6726 Dec 01 j 04:57	21° <u>10</u> '40	31.03081 AU
min. Earth dist.	-6732 May 19 j 14:02	6° <u>50</u> '25	29.09236 AU	morning rise	-6726 Dec 15 j 19:40	21° <u>43</u> '33	
direct	-6732 Aug 07 j 00:13	5° <u>26</u> '29		retrograde	-6725 Mar 17 j 01:28	23° <u>41</u> '54	
evening set	-6732 Nov 01 j 06:15	7° <u>18</u> '56		min. Earth dist.	-6725 Jun 05 j 02:12	22° <u>18</u> '37	29.02789 AU
				opposition	-6725 Jun 06 j 01:47	22° <u>17</u> '00	0°41'04
conjunction	-6732 Nov 16 j 13:51	7° <u>53</u> '27	1°11'58	direct	-6725 Aug 23 j 04:48	20° <u>54</u> '22	
minimum elong	-6732 Nov 16 j 13:51	7° <u>53</u> '27	1°11'57	evening set	-6725 Nov 17 j 04:15	22° <u>46</u> '30	
max. Earth dist.	-6732 Nov 17 j 08:29	7° <u>55</u> '12	31.08652 AU				
morning rise	-6732 Dec 02 j 00:42	8° <u>28</u> '16		conjunction	-6725 Dec 02 j 15:44	23° <u>21</u> '20	0°35'47
retrograde	-6731 Mar 02 j 20:05	10° <u>26</u> '10		minimum elong	-6725 Dec 02 j 15:44	23° <u>21</u> '20	0°35'40
opposition	-6731 May 22 j 21:49	9° <u>01</u> '38	1°14'15	max. Earth dist.	-6725 Dec 03 j 15:11	23° <u>23</u> '33	31.02430 AU
min. Earth dist.	-6731 May 22 j 02:26	9° <u>02</u> '58	29.08178 AU	morning rise	-6725 Dec 18 j 07:06	23° <u>56</u> '32	
direct	-6731 Aug 09 j 10:18	7° <u>38</u> '59		retrograde	-6724 Mar 18 j 15:11	25° <u>54</u> '58	
evening set	-6731 Nov 03 j 15:59	9° <u>31</u> '20		opposition	-6724 Jun 07 j 14:28	24° <u>30</u> '03	0°35'15
				min. Earth dist.	-6724 Jun 06 j 15:03	24° <u>31</u> '40	29.02155 AU
conjunction	-6731 Nov 19 j 00:15	10° <u>05</u> '53	1°07'04	direct	-6724 Aug 24 j 15:16	23° <u>07</u> '28	
minimum elong	-6731 Nov 19 j 00:16	10° <u>05</u> '54	1°07'02	evening set	-6724 Nov 18 j 14:41	24° <u>59</u> '35	
max. Earth dist.	-6731 Nov 19 j 20:19	10° <u>07</u> '47	31.07570 AU				
morning rise	-6731 Dec 04 j 11:40	10° <u>40</u> '46		conjunction	-6724 Dec 04 j 02:53	25° <u>34</u> '28	0°30'20
retrograde	-6730 Mar 05 j 07:10	12° <u>38</u> '44		minimum elong	-6724 Dec 04 j 02:53	25° <u>34</u> '28	0°30'10
opposition	-6730 May 25 j 10:41	11° <u>14</u> '06	1°08'57	max. Earth dist.	-6724 Dec 05 j 03:53	25° <u>36</u> '50	31.01797 AU
min. Earth dist.	-6730 May 24 j 15:08	11° <u>15</u> '26	29.07084 AU	morning rise	-6724 Dec 19 j 18:44	26° <u>09</u> '43	
direct	-6730 Aug 11 j 21:32	9° <u>51</u> '25		retrograde	-6723 Mar 21 j 03:31	28° <u>08</u> '15	
evening set	-6730 Nov 06 j 01:55	11° <u>43</u> '42		min. Earth dist.	-6723 Jun 09 j 03:06	26° <u>44</u> '58	29.01504 AU
				opposition	-6723 Jun 10 j 02:59	26° <u>43</u> '20	0°29'23
conjunction	-6730 Nov 21 j 10:40	12° <u>18</u> '18	1°02'04	direct	-6723 Aug 27 j 03:09	25° <u>20</u> '46	
minimum elong	-6730 Nov 21 j 10:40	12° <u>18</u> '18	1°02'00	evening set	-6723 Nov 21 j 01:25	27° <u>12</u> '54	
max. Earth dist.	-6730 Nov 22 j 06:50	12° <u>20</u> '12	31.06500 AU				
morning rise	-6730 Dec 06 j 22:45	12° <u>53</u> '13		conjunction	-6723 Dec 06 j 14:04	27° <u>47</u> '49	0°24'49
retrograde	-6729 Mar 07 j 20:48	14° <u>51</u> '15		minimum elong	-6723 Dec 06 j 14:04	27° <u>47</u> '49	0°24'39
opposition	-6729 May 27 j 23:16	13° <u>26</u> '31	1°03'33	max. Earth dist.	-6723 Dec 07 j 14:18	27° <u>50</u> '06	31.01129 AU
min. Earth dist.	-6729 May 27 j 02:17	13° <u>27</u> '57	29.06037 AU	morning rise	-6723 Dec 22 j 06:42	28° <u>23</u> '07	
direct	-6729 Aug 14 j 07:28	12° <u>03</u> '49			-6722 Feb 14 j 18:54	0° <u>11</u> '	
evening set	-6729 Nov 08 j 11:51	13° <u>56</u> '03		retrograde	-6722 Mar 23 j 16:55	0° <u>11</u> '21'44	
					-6722 Apr 30 j 09:45	30° <u>R</u> <u>2</u>	
conjunction	-6729 Nov 23 j 21:07	14° <u>30</u> '41	0°56'58	opposition	-6722 Jun 12 j 15:35	28° <u>56</u> '47	0°23'28
minimum elong	-6729 Nov 23 j 21:08	14° <u>30</u> '41	0°56'54	min. Earth dist.	-6722 Jun 11 j 15:35	28° <u>58</u> '26	29.00799 AU
max. Earth dist.	-6729 Nov 24 j 18:19	14° <u>32</u> '41	31.05485 AU	direct	-6722 Aug 29 j 13:14	27° <u>34</u> '14	
morning rise	-6729 Dec 09 j 09:50	15° <u>05</u> '40		evening set	-6722 Nov 23 j 12:15	29° <u>26</u> '22	
retrograde	-6728 Mar 09 j 08:57	17° <u>03</u> '46			-6722 Dec 08 j 11:24	0° <u>11</u> '	
opposition	-6728 May 29 j 12:04	15° <u>38</u> '58	0°58'04				
min. Earth dist.	-6728 May 28 j 15:16	15° <u>40</u> '24	29.05072 AU	conjunction	-6722 Dec 09 j 01:32	0° <u>11</u> '01'20	0°19'16
direct	-6728 Aug 15 j 17:50	14° <u>16</u> '16		minimum elong	-6722 Dec 09 j 01:32	0° <u>11</u> '01'20	0°19'04
evening set	-6728 Nov 09 j 21:41	16° <u>08</u> '27		max. Earth dist.	-6722 Dec 10 j 02:35	0° <u>11</u> '03'41	31.00363 AU
				morning rise	-6722 Dec 24 j 18:38	0° <u>11</u> '36'41	
conjunction	-6728 Nov 25 j 07:36	16° <u>43</u> '08	0°51'47	retrograde	-6721 Mar 26 j 03:41	2° <u>11</u> '35'21	
minimum elong	-6728 Nov 25 j 07:37	16° <u>43</u> '08	0°51'42	min. Earth dist.	-6721 Jun 14 j 04:29	1° <u>11</u> '12'00	28.99975 AU
max. Earth dist.	-6728 Nov 26 j 05:52	16° <u>45</u> '14	31.04585 AU	opposition	-6721 Jun 15 j 04:04	1° <u>11</u> '10'22	0°17'30
morning rise	-6728 Dec 10 j 20:55	17° <u>18</u> '09			-6721 Aug 04 j 22:13	30° <u>R</u> <u>2</u>	
retrograde	-6727 Mar 11 j 23:18	19° <u>16</u> '20		direct	-6721 Sep 01 j 00:08	29° <u>47</u> '48	
min. Earth dist.	-6727 May 31 j 02:08	17° <u>53</u> '02	29.04218 AU		-6721 Sep 27 j 12:36	0° <u>11</u> '	
opposition	-6727 Jun 01 j 00:41	17° <u>51</u> '29	0°52'29	evening set	-6721 Nov 25 j 23:12	1° <u>11</u> '39'55	
direct	-6727 Aug 18 j 06:16	16° <u>28</u> '47					

Attention, astronomical year style is used: The year -6721 in astronomical counting style is the year 6722 BCE in historical counting style.

conjunction	-6721 Dec 11 j 13:02	2°M.14'56	0°13'42			-6715 Feb 06 j 19:56	15°M.	
minimum elong	-6721 Dec 11 j 13:02	2°M.14'56	0°13'30	retrograde		-6715 Apr 08 j 11:42	15°M.56'30	
behind sun begin	-6721 Dec 11 j 09:24	2°M.14'36				-6715 Jun 10 j 12:22	15°R.M.	
behind sun end	-6721 Dec 11 j 16:40	2°M.15'15		min. Earth dist.		-6715 Jun 27 j 05:13	14°M.32'45	28.94076 AU
max. Earth dist.	-6721 Dec 12 j 13:33	2°M.17'14	30.99495 AU	opposition		-6715 Jun 28 j 05:46	14°M.31'03	-0°18'27
morning rise	-6721 Dec 27 j 06:48	2°M.50'19		direct		-6715 Sep 13 j 19:09	13°M.08'09	
retrograde	-6720 Mar 27 j 17:50	4°M.49'03		evening set		-6715 Dec 08 j 18:01	15°M.00'10	
opposition	-6720 Jun 16 j 16:36	3°M.24'00	0°11'31			-6715 Dec 08 j 16:09	15°M.	
min. Earth dist.	-6720 Jun 15 j 16:15	3°M.25'41	28.99047 AU					
direct	-6720 Sep 02 j 10:02	2°M.01'23		conjunction		-6715 Dec 24 j 11:12	15°M.35'24	-0°19'59
evening set	-6720 Nov 27 j 10:09	3°M.53'29		minimum elong		-6715 Dec 24 j 11:12	15°M.35'24	0°20'15
				max. Earth dist.		-6715 Dec 25 j 14:04	15°M.37'56	30.93661 AU
conjunction	-6720 Dec 13 j 00:32	4°M.28'32	0°08'07	morning rise		-6714 Jan 09 j 08:21	16°M.11'02	
minimum elong	-6720 Dec 13 j 00:32	4°M.28'32	0°07'53	retrograde		-6714 Apr 11 j 00:03	18°M.09'50	
behind sun begin	-6720 Dec 12 j 18:43	4°M.28'00		opposition		-6714 Jun 30 j 17:45	16°M.44'22	-0°24'24
behind sun end	-6720 Dec 13 j 06:21	4°M.29'03		min. Earth dist.		-6714 Jun 29 j 16:37	16°M.46'07	28.93357 AU
max. Earth dist.	-6720 Dec 14 j 01:19	4°M.30'52	30.98507 AU	direct		-6714 Sep 16 j 07:31	15°M.21'27	
morning rise	-6720 Dec 28 j 18:56	5°M.03'58		evening set		-6714 Dec 11 j 05:31	17°M.13'30	
retrograde	-6719 Mar 30 j 05:35	7°M.02'44						
min. Earth dist.	-6719 Jun 18 j 05:44	5°M.39'13	28.98013 AU	conjunction		-6714 Dec 26 j 23:04	17°M.48'46	-0°25'32
opposition	-6719 Jun 19 j 05:09	5°M.37'36	0°05'31	minimum elong		-6714 Dec 26 j 23:04	17°M.48'46	0°25'50
direct	-6719 Sep 04 j 20:46	4°M.14'56		max. Earth dist.		-6714 Dec 28 j 01:15	17°M.51'14	30.93011 AU
evening set	-6719 Nov 29 j 21:13	6°M.06'59		morning rise		-6713 Jan 11 j 20:51	18°M.24'26	
				retrograde		-6713 Apr 13 j 13:27	20°M.23'16	
conjunction	-6719 Dec 15 j 12:16	6°M.42'04	0°02'30	min. Earth dist.		-6713 Jul 02 j 04:20	18°M.59'33	28.92776 AU
minimum elong	-6719 Dec 15 j 12:16	6°M.42'04	0°02'17	opposition		-6713 Jul 03 j 05:42	18°M.57'47	-0°30'19
behind sun begin	-6719 Dec 15 j 05:47	6°M.41'29		direct		-6713 Sep 18 j 17:37	17°M.34'52	
behind sun end	-6719 Dec 15 j 18:44	6°M.42'39		evening set		-6713 Dec 13 j 17:03	19°M.26'57	
max. Earth dist.	-6719 Dec 16 j 13:25	6°M.44'26	30.97454 AU					
morning rise	-6719 Dec 31 j 07:13	7°M.17'33		conjunction		-6713 Dec 29 j 11:11	20°M.02'16	-0°31'03
retrograde	-6718 Apr 01 j 19:26	9°M.16'18		minimum elong		-6713 Dec 29 j 11:11	20°M.02'16	0°31'21
desc. node	-6718 May 23 j 17:45	8°M.36'38		max. Earth dist.		-6713 Dec 30 j 14:27	20°M.04'50	30.92477 AU
opposition	-6718 Jun 21 j 17:16	7°M.51'05	-0°00'29	morning rise		-6712 Jan 14 j 09:22	20°M.37'58	
min. Earth dist.	-6718 Jun 20 j 16:50	7°M.52'47	28.96940 AU	retrograde		-6712 Apr 15 j 00:51	22°M.36'51	
direct	-6718 Sep 07 j 09:10	6°M.28'21		opposition		-6712 Jul 04 j 17:40	21°M.11'23	-0°36'12
evening set	-6718 Dec 02 j 08:25	8°M.20'23		min. Earth dist.		-6712 Jul 03 j 16:34	21°M.13'08	28.92291 AU
				direct		-6712 Sep 20 j 04:28	19°M.48'28	
conjunction	-6718 Dec 17 j 23:52	8°M.55'30	-0°03'15	evening set		-6712 Dec 15 j 04:45	21°M.40'37	
minimum elong	-6718 Dec 17 j 23:52	8°M.55'30	0°03'30					
behind sun begin	-6718 Dec 17 j 17:26	8°M.54'56		conjunction		-6712 Dec 30 j 23:22	22°M.15'58	-0°36'31
behind sun end	-6718 Dec 18 j 06:18	8°M.56'05		minimum elong		-6712 Dec 30 j 23:22	22°M.15'57	0°36'51
max. Earth dist.	-6718 Dec 19 j 00:40	8°M.57'50	30.96377 AU	max. Earth dist.		-6711 Jan 01 j 02:11	22°M.18'29	30.92037 AU
morning rise	-6717 Jan 02 j 19:30	9°M.31'01		morning rise		-6711 Jan 15 j 22:07	22°M.51'42	
retrograde	-6717 Apr 04 j 08:25	11°M.29'47		retrograde		-6711 Apr 17 j 15:28	24°M.50'38	
min. Earth dist.	-6717 Jun 23 j 05:58	10°M.06'07	28.95890 AU	min. Earth dist.		-6711 Jul 06 j 03:52	23°M.26'59	28.91874 AU
opposition	-6717 Jun 24 j 05:35	10°M.04'29	-0°06'29	opposition		-6711 Jul 07 j 05:36	23°M.25'11	-0°42'02
direct	-6717 Sep 09 j 19:35	8°M.41'40		direct		-6711 Sep 22 j 14:17	22°M.02'17	
evening set	-6717 Dec 04 j 19:22	10°M.33'41		evening set		-6711 Dec 17 j 16:49	23°M.54'30	
conjunction	-6717 Dec 20 j 11:30	11°M.08'51	-0°08'50	conjunction		-6710 Jan 02 j 11:52	24°M.29'53	-0°41'57
minimum elong	-6717 Dec 20 j 11:30	11°M.08'51	0°09'05	minimum elong		-6710 Jan 02 j 11:52	24°M.29'53	0°42'17
behind sun begin	-6717 Dec 20 j 05:59	11°M.08'21		max. Earth dist.		-6710 Jan 03 j 14:46	24°M.32'25	30.91613 AU
behind sun end	-6717 Dec 20 j 17:01	11°M.09'20		morning rise		-6710 Jan 18 j 11:04	25°M.05'40	
max. Earth dist.	-6717 Dec 21 j 13:32	11°M.11'17	30.95360 AU	retrograde		-6710 Apr 20 j 02:59	27°M.04'39	
morning rise	-6716 Jan 05 j 07:32	11°M.44'23		opposition		-6710 Jul 09 j 17:25	25°M.39'13	-0°47'48
retrograde	-6716 Apr 05 j 21:21	13°M.43'10		min. Earth dist.		-6710 Jul 08 j 16:54	25°M.40'56	28.91452 AU
opposition	-6716 Jun 25 j 17:41	12°M.17'47	-0°12'29	direct		-6710 Sep 25 j 00:20	24°M.16'19	
min. Earth dist.	-6716 Jun 24 j 16:49	12°M.19'30	28.94917 AU	evening set		-6710 Dec 20 j 04:57	26°M.08'37	
direct	-6716 Sep 11 j 08:12	10°M.54'55						
evening set	-6716 Dec 06 j 06:44	12°M.46'56		conjunction		-6709 Jan 05 j 00:32	26°M.44'02	-0°47'19
				minimum elong		-6709 Jan 05 j 00:32	26°M.44'02	0°47'40
conjunction	-6716 Dec 21 j 23:13	13°M.22'07	-0°14'25	max. Earth dist.		-6709 Jan 06 j 03:24	26°M.46'33	30.91176 AU
minimum elong	-6716 Dec 21 j 23:13	13°M.22'07	0°14'41	morning rise		-6709 Jan 21 j 00:07	27°M.19'50	
behind sun begin	-6716 Dec 21 j 20:32	13°M.21'53		retrograde		-6709 Apr 22 j 17:00	29°M.18'51	
behind sun end	-6716 Dec 22 j 01:54	13°M.22'22		min. Earth dist.		-6709 Jul 11 j 04:08	27°M.55'13	28.90984 AU
max. Earth dist.	-6716 Dec 23 j 00:36	13°M.24'30	30.94444 AU	opposition		-6709 Jul 12 j 05:15	27°M.53'27	-0°53'31
morning rise	-6715 Jan 06 j 19:59	13°M.57'43		direct		-6709 Sep 27 j 12:02	26°M.30'32	

Attention, astronomical year style is used: The year -6709 in astronomical counting style is the year 6710 BCE in historical counting style.

evening set	-6709 Dec 22 j 17:13	28° \mathbb{M} 22'55		max. Earth dist.	-6702 Jan 21 j 19:39	12° \mathbb{A} 26'53	30.86825 AU
				morning rise	-6702 Feb 05 j 21:39	13° \mathbb{A} 00'34	
conjunction	-6708 Jan 07 j 13:08	28° \mathbb{M} 58'21	-0°52'37	retrograde	-6702 May 08 j 15:13	14° \mathbb{A} 59'26	
minimum elong	-6708 Jan 07 j 13:08	28° \mathbb{M} 58'21	0°52'57	opposition	-6702 Jul 27 j 14:35	13° \mathbb{A} 33'52	-1°30'43
max. Earth dist.	-6708 Jan 08 j 15:04	29° \mathbb{M} 00'47	30.90656 AU	min. Earth dist.	-6702 Jul 26 j 15:45	13° \mathbb{A} 35'29	28.86722 AU
morning rise	-6708 Jan 23 j 13:15	29° \mathbb{M} 34'11		direct	-6702 Oct 12 j 20:51	12° \mathbb{A} 10'30	
	-6708 Feb 04 j 14:26	0° \mathbb{A}		evening set	-6701 Jan 07 j 09:41	14° \mathbb{A} 03'17	
retrograde	-6708 Apr 24 j 06:05	1° \mathbb{A} 33'15					
opposition	-6708 Jul 13 j 17:17	0° \mathbb{A} 07'50	-0°59'08	conjunction	-6701 Jan 23 j 08:34	14° \mathbb{A} 38'54	-1°27'03
min. Earth dist.	-6708 Jul 12 j 17:35	0° \mathbb{A} 09'29	28.90428 AU	minimum elong	-6701 Jan 23 j 08:34	14° \mathbb{A} 38'54	1°27'28
	-6708 Jul 18 j 09:25	30° \mathbb{R} \mathbb{M}		max. Earth dist.	-6701 Jan 24 j 09:01	14° \mathbb{A} 41'12	30.86462 AU
direct	-6708 Sep 28 j 22:00	28° \mathbb{M} 44'52		morning rise	-6701 Feb 08 j 11:10	15° \mathbb{A} 14'53	
	-6708 Dec 06 j 11:04	0° \mathbb{A}		retrograde	-6701 May 11 j 01:44	17° \mathbb{A} 13'43	
evening set	-6708 Dec 24 j 05:36	0° \mathbb{A} 37'19		min. Earth dist.	-6701 Jul 29 j 04:13	15° \mathbb{A} 49'43	28.86441 AU
				opposition	-6701 Jul 30 j 02:02	15° \mathbb{A} 48'10	-1°35'33
conjunction	-6707 Jan 09 j 02:09	1° \mathbb{A} 12'47	-0°57'50	direct	-6701 Oct 15 j 07:10	14° \mathbb{A} 24'46	
minimum elong	-6707 Jan 09 j 02:08	1° \mathbb{A} 12'47	0°58'12	evening set	-6700 Jan 09 j 22:28	16° \mathbb{A} 17'37	
max. Earth dist.	-6707 Jan 10 j 04:25	1° \mathbb{A} 15'15	30.90052 AU				
morning rise	-6707 Jan 25 j 02:32	1° \mathbb{A} 48'39		conjunction	-6700 Jan 25 j 21:48	16° \mathbb{A} 53'16	-1°31'30
retrograde	-6707 Apr 26 j 19:52	3° \mathbb{A} 47'41		minimum elong	-6700 Jan 25 j 21:47	16° \mathbb{A} 53'16	1°31'55
min. Earth dist.	-6707 Jul 15 j 04:50	2° \mathbb{A} 23'57	28.89777 AU	max. Earth dist.	-6700 Jan 26 j 22:16	16° \mathbb{A} 55'33	30.86254 AU
opposition	-6707 Jul 16 j 04:57	2° \mathbb{A} 22'16	-1°04'40	morning rise	-6700 Feb 11 j 00:40	17° \mathbb{A} 29'15	
direct	-6707 Oct 01 j 10:41	0° \mathbb{A} 59'15		retrograde	-6700 May 12 j 15:02	19° \mathbb{A} 28'04	
evening set	-6707 Dec 26 j 18:14	2° \mathbb{A} 51'44		opposition	-6700 Jul 31 j 13:20	18° \mathbb{A} 02'34	-1°40'15
				min. Earth dist.	-6700 Jul 30 j 14:49	18° \mathbb{A} 04'09	28.86296 AU
conjunction	-6706 Jan 11 j 15:05	3° \mathbb{A} 27'15	-1°02'58	direct	-6700 Oct 16 j 18:22	16° \mathbb{A} 39'08	
minimum elong	-6706 Jan 11 j 15:04	3° \mathbb{A} 27'15	1°03'20	evening set	-6699 Jan 11 j 11:41	18° \mathbb{A} 32'05	
max. Earth dist.	-6706 Jan 12 j 15:50	3° \mathbb{A} 29'34	30.89362 AU				
morning rise	-6706 Jan 27 j 16:03	4° \mathbb{A} 03'08		conjunction	-6699 Jan 27 j 11:15	19° \mathbb{A} 07'45	-1°35'50
retrograde	-6706 Apr 29 j 10:46	6° \mathbb{A} 02'09		minimum elong	-6699 Jan 27 j 11:15	19° \mathbb{A} 07'45	1°36'15
opposition	-6706 Jul 18 j 16:45	4° \mathbb{A} 36'41	-1°10'07	max. Earth dist.	-6699 Jan 28 j 10:57	19° \mathbb{A} 09'58	30.86152 AU
min. Earth dist.	-6706 Jul 17 j 17:42	4° \mathbb{A} 38'18	28.89071 AU	morning rise	-6699 Feb 12 j 14:30	19° \mathbb{A} 43'45	
direct	-6706 Oct 03 j 22:19	3° \mathbb{A} 13'36		retrograde	-6699 May 15 j 03:33	21° \mathbb{A} 42'33	
evening set	-6706 Dec 29 j 06:40	5° \mathbb{A} 06'08		min. Earth dist.	-6699 Aug 02 j 03:36	20° \mathbb{A} 18'34	28.86249 AU
				opposition	-6699 Aug 03 j 00:39	20° \mathbb{A} 17'05	-1°44'47
conjunction	-6705 Jan 14 j 04:04	5° \mathbb{A} 41'40	-1°08'00	direct	-6699 Oct 19 j 03:26	18° \mathbb{A} 53'38	
minimum elong	-6705 Jan 14 j 04:04	5° \mathbb{A} 41'40	1°08'24	evening set	-6698 Jan 14 j 00:57	20° \mathbb{A} 46'42	
max. Earth dist.	-6705 Jan 15 j 05:41	5° \mathbb{A} 44'04	30.88635 AU				
morning rise	-6705 Jan 30 j 05:14	6° \mathbb{A} 17'34		conjunction	-6698 Jan 30 j 01:01	21° \mathbb{A} 22'23	-1°40'00
retrograde	-6705 May 01 j 23:05	8° \mathbb{A} 16'33		minimum elong	-6698 Jan 30 j 01:01	21° \mathbb{A} 22'23	1°40'26
min. Earth dist.	-6705 Jul 20 j 05:14	6° \mathbb{A} 52'41	28.88349 AU	max. Earth dist.	-6698 Jan 31 j 00:59	21° \mathbb{A} 24'38	30.86131 AU
opposition	-6705 Jul 21 j 04:18	6° \mathbb{A} 51'04	-1°15'27	morning rise	-6698 Feb 15 j 04:23	21° \mathbb{A} 58'24	
direct	-6705 Oct 06 j 11:23	5° \mathbb{A} 27'53		retrograde	-6698 May 17 j 16:51	23° \mathbb{A} 57'10	
evening set	-6705 Dec 31 j 19:20	7° \mathbb{A} 20'28		opposition	-6698 Aug 05 j 11:53	22° \mathbb{A} 31'46	-1°49'10
				min. Earth dist.	-6698 Aug 04 j 14:32	22° \mathbb{A} 33'17	28.86243 AU
conjunction	-6704 Jan 16 j 17:01	7° \mathbb{A} 56'01	-1°12'56	direct	-6698 Oct 21 j 16:06	21° \mathbb{A} 08'18	
minimum elong	-6704 Jan 16 j 17:00	7° \mathbb{A} 56'01	1°13'20	evening set	-6697 Jan 16 j 14:25	23° \mathbb{A} 01'29	
max. Earth dist.	-6704 Jan 17 j 17:25	7° \mathbb{A} 58'19	30.87938 AU				
morning rise	-6704 Feb 01 j 18:42	8° \mathbb{A} 31'57		conjunction	-6697 Feb 01 j 14:37	23° \mathbb{A} 37'11	-1°44'02
retrograde	-6704 May 03 j 12:56	10° \mathbb{A} 30'54		minimum elong	-6697 Feb 01 j 14:36	23° \mathbb{A} 37'11	1°44'29
opposition	-6704 Jul 22 j 15:51	9° \mathbb{A} 05'22	-1°20'40	max. Earth dist.	-6697 Feb 02 j 12:55	23° \mathbb{A} 39'16	30.86116 AU
min. Earth dist.	-6704 Jul 21 j 17:00	9° \mathbb{A} 06'58	28.87700 AU	morning rise	-6697 Feb 17 j 18:21	24° \mathbb{A} 13'12	
direct	-6704 Oct 07 j 22:10	7° \mathbb{A} 42'07		retrograde	-6697 May 20 j 06:58	26° \mathbb{A} 11'58	
evening set	-6703 Jan 02 j 07:57	9° \mathbb{A} 34'45		opposition	-6697 Aug 07 j 23:15	24° \mathbb{A} 46'36	-1°53'23
				min. Earth dist.	-6697 Aug 07 j 03:12	24° \mathbb{A} 48'01	28.86227 AU
conjunction	-6703 Jan 18 j 06:09	10° \mathbb{A} 10'20	-1°17'46	direct	-6697 Oct 24 j 03:04	23° \mathbb{A} 23'06	
minimum elong	-6703 Jan 18 j 06:08	10° \mathbb{A} 10'19	1°18'11	evening set	-6696 Jan 19 j 03:59	25° \mathbb{A} 16'24	
max. Earth dist.	-6703 Jan 19 j 07:17	10° \mathbb{A} 12'41	30.87319 AU				
morning rise	-6703 Feb 03 j 08:05	10° \mathbb{A} 46'16		conjunction	-6696 Feb 04 j 04:40	25° \mathbb{A} 52'07	-1°47'54
retrograde	-6703 May 06 j 01:01	12° \mathbb{A} 45'10		minimum elong	-6696 Feb 04 j 04:39	25° \mathbb{A} 52'07	1°48'20
min. Earth dist.	-6703 Jul 24 j 05:01	11° \mathbb{A} 21'11	28.87141 AU	max. Earth dist.	-6696 Feb 05 j 03:16	25° \mathbb{A} 54'14	30.86062 AU
opposition	-6703 Jul 25 j 03:20	11° \mathbb{A} 19'37	-1°25'45	morning rise	-6696 Feb 20 j 08:26	26° \mathbb{A} 28'09	
direct	-6703 Oct 10 j 10:10	9° \mathbb{A} 56'19		retrograde	-6696 May 21 j 19:52	28° \mathbb{A} 26'52	
evening set	-6702 Jan 04 j 20:48	11° \mathbb{A} 49'00		opposition	-6696 Aug 09 j 10:29	27° \mathbb{A} 01'34	-1°57'26
				min. Earth dist.	-6696 Aug 08 j 14:58	27° \mathbb{A} 02'56	28.86135 AU
conjunction	-6702 Jan 20 j 19:20	12° \mathbb{A} 24'36	-1°22'28	direct	-6696 Oct 25 j 15:51	25° \mathbb{A} 38'00	
minimum elong	-6702 Jan 20 j 19:19	12° \mathbb{A} 24'36	1°22'52	evening set	-6695 Jan 20 j 17:48	27° \mathbb{A} 31'25	

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

conjunction	-6695 Feb 05 j 18:41	28° $\overline{\text{A}}$ 07'09	-1°51'36	retrograde	-6689 Jun 07 j 13:19	14° $\overline{\text{B}}$ 10'38	
minimum elong	-6695 Feb 05 j 18:40	28° $\overline{\text{A}}$ 07'09	1°52'03	opposition	-6689 Aug 25 j 15:37	12° $\overline{\text{B}}$ 45'26	-2°20'28
max. Earth dist.	-6695 Feb 06 j 15:14	28° $\overline{\text{A}}$ 09'04	30.85922 AU	min. Earth dist.	-6689 Aug 25 j 00:43	12° $\overline{\text{B}}$ 46'30	28.84551 AU
morning rise	-6695 Feb 21 j 22:51	28° $\overline{\text{A}}$ 43'12		direct	-6689 Nov 11 j 00:47	11° $\overline{\text{B}}$ 21'21	
	-6695 Apr 02 j 22:24	0° $\overline{\text{B}}$		evening set	-6688 Feb 06 j 19:02	13° $\overline{\text{B}}$ 15'25	
retrograde	-6695 May 24 j 10:38	0° $\overline{\text{B}}$ 41'51					
	-6695 Jul 15 j 23:59	30° $\overline{\text{R}}$ $\overline{\text{A}}$		conjunction	-6688 Feb 22 j 21:48	13° $\overline{\text{B}}$ 51'13	-2°12'30
opposition	-6695 Aug 11 j 21:48	29° $\overline{\text{A}}$ 16'33	-2°01'18	minimum elong	-6688 Feb 22 j 21:48	13° $\overline{\text{B}}$ 51'13	2°12'56
min. Earth dist.	-6695 Aug 11 j 03:11	29° $\overline{\text{A}}$ 17'52	28.85952 AU	max. Earth dist.	-6688 Feb 23 j 13:12	13° $\overline{\text{B}}$ 52'40	30.84413 AU
direct	-6695 Oct 28 j 03:13	27° $\overline{\text{A}}$ 52'56		morning rise	-6688 Mar 10 j 03:03	14° $\overline{\text{B}}$ 27'16	
evening set	-6694 Jan 23 j 07:37	29° $\overline{\text{A}}$ 46'26		retrograde	-6688 Jun 09 j 02:10	16° $\overline{\text{B}}$ 25'20	
	-6694 Jan 29 j 11:06	0° $\overline{\text{B}}$		opposition	-6688 Aug 27 j 02:25	15° $\overline{\text{B}}$ 00'11	-2°22'56
				min. Earth dist.	-6688 Aug 26 j 12:40	15° $\overline{\text{B}}$ 01'09	28.84658 AU
conjunction	-6694 Feb 08 j 08:54	0° $\overline{\text{B}}$ 22'12	-1°55'08	direct	-6688 Nov 12 j 11:22	13° $\overline{\text{B}}$ 36'02	
minimum elong	-6694 Feb 08 j 08:53	0° $\overline{\text{B}}$ 22'12	1°55'35	evening set	-6687 Feb 08 j 09:03	15° $\overline{\text{B}}$ 30'14	
max. Earth dist.	-6694 Feb 09 j 05:24	0° $\overline{\text{B}}$ 24'07	30.85675 AU				
morning rise	-6694 Feb 24 j 13:06	0° $\overline{\text{B}}$ 58'14		conjunction	-6687 Feb 24 j 12:16	16° $\overline{\text{B}}$ 06'04	-2°14'42
retrograde	-6694 May 26 j 23:22	2° $\overline{\text{B}}$ 56'49		minimum elong	-6687 Feb 24 j 12:16	16° $\overline{\text{B}}$ 06'04	2°15'09
opposition	-6694 Aug 14 j 08:57	1° $\overline{\text{B}}$ 31'32	-2°05'00	max. Earth dist.	-6687 Feb 25 j 04:05	16° $\overline{\text{B}}$ 07'33	30.84578 AU
min. Earth dist.	-6694 Aug 13 j 15:34	1° $\overline{\text{B}}$ 32'46	28.85665 AU	morning rise	-6687 Mar 12 j 17:28	16° $\overline{\text{B}}$ 42'06	
direct	-6694 Oct 30 j 16:00	0° $\overline{\text{B}}$ 07'51		retrograde	-6687 Jun 11 j 14:38	18° $\overline{\text{B}}$ 40'05	
evening set	-6693 Jan 25 j 21:29	2° $\overline{\text{B}}$ 01'26		opposition	-6687 Aug 29 j 13:11	17° $\overline{\text{B}}$ 15'01	-2°25'11
				min. Earth dist.	-6687 Aug 28 j 23:46	17° $\overline{\text{B}}$ 15'58	28.84873 AU
conjunction	-6693 Feb 10 j 23:00	2° $\overline{\text{B}}$ 37'12	-1°58'30	direct	-6687 Nov 14 j 23:41	15° $\overline{\text{B}}$ 50'51	
minimum elong	-6693 Feb 10 j 22:59	2° $\overline{\text{B}}$ 37'12	1°58'57	evening set	-6686 Feb 10 j 23:20	17° $\overline{\text{B}}$ 45'11	
max. Earth dist.	-6693 Feb 11 j 17:52	2° $\overline{\text{B}}$ 38'58	30.85365 AU				
morning rise	-6693 Feb 27 j 03:29	3° $\overline{\text{B}}$ 13'14		conjunction	-6686 Feb 27 j 02:36	18° $\overline{\text{B}}$ 21'01	-2°16'42
retrograde	-6693 May 29 j 13:25	5° $\overline{\text{B}}$ 11'44		minimum elong	-6686 Feb 27 j 02:35	18° $\overline{\text{B}}$ 21'01	2°17'09
opposition	-6693 Aug 16 j 20:01	3° $\overline{\text{B}}$ 46'27	-2°08'29	max. Earth dist.	-6686 Feb 27 j 16:34	18° $\overline{\text{B}}$ 22'19	30.84841 AU
min. Earth dist.	-6693 Aug 16 j 02:41	3° $\overline{\text{B}}$ 47'41	28.85343 AU	morning rise	-6686 Mar 15 j 08:02	18° $\overline{\text{B}}$ 57'04	
direct	-6693 Nov 02 j 03:47	2° $\overline{\text{B}}$ 22'40		retrograde	-6686 Jun 14 j 05:03	20° $\overline{\text{B}}$ 54'58	
evening set	-6692 Jan 28 j 11:13	4° $\overline{\text{B}}$ 16'20		opposition	-6686 Aug 31 j 23:54	19° $\overline{\text{B}}$ 29'58	-2°27'12
				min. Earth dist.	-6686 Aug 31 j 11:15	19° $\overline{\text{B}}$ 30'52	28.85181 AU
conjunction	-6692 Feb 13 j 13:02	4° $\overline{\text{B}}$ 52'06	-2°01'41	direct	-6686 Nov 17 j 10:57	18° $\overline{\text{B}}$ 05'47	
minimum elong	-6692 Feb 13 j 13:01	4° $\overline{\text{B}}$ 52'06	2°02'07	evening set	-6685 Feb 13 j 13:33	20° $\overline{\text{B}}$ 00'15	
max. Earth dist.	-6692 Feb 14 j 07:33	4° $\overline{\text{B}}$ 53'50	30.85025 AU				
morning rise	-6692 Feb 29 j 17:40	5° $\overline{\text{B}}$ 28'10		conjunction	-6685 Mar 01 j 17:10	20° $\overline{\text{B}}$ 36'06	-2°18'30
retrograde	-6692 May 31 j 00:24	7° $\overline{\text{B}}$ 26'33		minimum elong	-6685 Mar 01 j 17:10	20° $\overline{\text{B}}$ 36'06	2°18'56
opposition	-6692 Aug 18 j 07:06	6° $\overline{\text{B}}$ 01'17	-2°11'47	max. Earth dist.	-6685 Mar 02 j 07:18	20° $\overline{\text{B}}$ 37'26	30.85161 AU
min. Earth dist.	-6692 Aug 17 j 15:21	6° $\overline{\text{B}}$ 02'24	28.85019 AU	morning rise	-6685 Mar 17 j 22:31	21° $\overline{\text{B}}$ 12'09	
direct	-6692 Nov 03 j 14:55	4° $\overline{\text{B}}$ 37'25		retrograde	-6685 Jun 16 j 18:08	23° $\overline{\text{B}}$ 09'59	
evening set	-6691 Jan 30 j 01:09	6° $\overline{\text{B}}$ 31'09		opposition	-6685 Sep 03 j 10:39	21° $\overline{\text{B}}$ 45'04	-2°29'00
				min. Earth dist.	-6685 Sep 02 j 23:18	21° $\overline{\text{B}}$ 45'52	28.85508 AU
conjunction	-6691 Feb 15 j 03:18	7° $\overline{\text{B}}$ 06'57	-2°04'40	direct	-6685 Nov 20 j 00:05	20° $\overline{\text{B}}$ 20'51	
minimum elong	-6691 Feb 15 j 03:17	7° $\overline{\text{B}}$ 06'57	2°05'07	evening set	-6684 Feb 16 j 03:54	22° $\overline{\text{B}}$ 15'27	
max. Earth dist.	-6691 Feb 15 j 21:07	7° $\overline{\text{B}}$ 08'37	30.84726 AU				
morning rise	-6691 Mar 03 j 08:04	7° $\overline{\text{B}}$ 43'00		conjunction	-6684 Mar 03 j 07:39	22° $\overline{\text{B}}$ 51'19	-2°20'05
retrograde	-6691 Jun 02 j 13:45	9° $\overline{\text{B}}$ 41'17		minimum elong	-6684 Mar 03 j 07:39	22° $\overline{\text{B}}$ 51'19	2°20'30
opposition	-6691 Aug 20 j 17:51	8° $\overline{\text{B}}$ 16'02	-2°14'53	max. Earth dist.	-6684 Mar 03 j 19:50	22° $\overline{\text{B}}$ 52'27	30.85484 AU
min. Earth dist.	-6691 Aug 20 j 01:50	8° $\overline{\text{B}}$ 17'10	28.84755 AU	morning rise	-6684 Mar 19 j 13:14	23° $\overline{\text{B}}$ 27'22	
direct	-6691 Nov 06 j 02:35	6° $\overline{\text{B}}$ 52'04		retrograde	-6684 Jun 18 j 08:08	25° $\overline{\text{B}}$ 25'06	
evening set	-6690 Feb 01 j 15:11	8° $\overline{\text{B}}$ 45'55		opposition	-6684 Sep 04 j 21:24	24° $\overline{\text{B}}$ 00'16	-2°30'35
				min. Earth dist.	-6684 Sep 04 j 10:23	24° $\overline{\text{B}}$ 01'03	28.85809 AU
conjunction	-6690 Feb 17 j 17:29	9° $\overline{\text{B}}$ 21'43	-2°07'29	direct	-6684 Nov 21 j 12:25	22° $\overline{\text{B}}$ 36'00	
minimum elong	-6690 Feb 17 j 17:29	9° $\overline{\text{B}}$ 21'43	2°07'55	evening set	-6683 Feb 17 j 18:28	24° $\overline{\text{B}}$ 30'43	
max. Earth dist.	-6690 Feb 18 j 10:20	9° $\overline{\text{B}}$ 23'17	30.84494 AU				
morning rise	-6690 Mar 05 j 22:27	9° $\overline{\text{B}}$ 57'46		conjunction	-6683 Mar 05 j 22:28	25° $\overline{\text{B}}$ 06'36	-2°21'27
retrograde	-6690 Jun 05 j 01:19	11° $\overline{\text{B}}$ 55'59		minimum elong	-6683 Mar 05 j 22:28	25° $\overline{\text{B}}$ 06'36	2°21'52
opposition	-6690 Aug 23 j 04:50	10° $\overline{\text{B}}$ 30'44	-2°17'47	max. Earth dist.	-6683 Mar 06 j 09:52	25° $\overline{\text{B}}$ 07'40	30.85734 AU
min. Earth dist.	-6690 Aug 22 j 14:21	10° $\overline{\text{B}}$ 31'46	28.84592 AU	morning rise	-6683 Mar 22 j 04:01	25° $\overline{\text{B}}$ 42'39	
direct	-6690 Nov 08 j 11:51	9° $\overline{\text{B}}$ 06'42		retrograde	-6683 Jun 20 j 20:15	27° $\overline{\text{B}}$ 40'16	
evening set	-6689 Feb 04 j 04:57	11° $\overline{\text{B}}$ 00'39		opposition	-6683 Sep 07 j 08:10	26° $\overline{\text{B}}$ 15'29	-2°31'55
				min. Earth dist.	-6683 Sep 06 j 23:09	26° $\overline{\text{B}}$ 16'08	28.86020 AU
conjunction	-6689 Feb 20 j 07:38	11° $\overline{\text{B}}$ 36'28	-2°10'05	direct	-6683 Nov 23 j 23:58	24° $\overline{\text{B}}$ 51'11	
minimum elong	-6689 Feb 20 j 07:37	11° $\overline{\text{B}}$ 36'27	2°10'32	evening set	-6682 Feb 20 j 09:01	26° $\overline{\text{B}}$ 45'59	
max. Earth dist.	-6689 Feb 21 j 00:36	11° $\overline{\text{B}}$ 38'03	30.84388 AU				
morning rise	-6689 Mar 08 j 12:36	12° $\overline{\text{B}}$ 12'30		conjunction	-6682 Mar 08 j 13:15	27° $\overline{\text{B}}$ 21'52	-2°22'36

Attention, astronomical year style is used: The year -6682 in astronomical counting style is the year 6683 BCE in historical counting style.

minimum elong	-6682 Mar 08 j 13:15	27° $\overline{3}$ 21'52	2°23'00	opposition	-6676 Sep 22 j 09:46	11° \approx 58'24	-2°34'49
max. Earth dist.	-6682 Mar 08 j 23:10	27° $\overline{3}$ 22'48	30.85906 AU	min. Earth dist.	-6676 Sep 22 j 06:35	11° \approx 58'38	28.87120 AU
morning rise	-6682 Mar 24 j 18:53	27° $\overline{3}$ 57'54		direct	-6676 Dec 09 j 11:39	10° \approx 33'30	
retrograde	-6682 Jun 23 j 10:28	29° $\overline{3}$ 55'24		evening set	-6675 Mar 08 j 13:46	12° \approx 28'51	
opposition	-6682 Sep 09 j 18:51	28° $\overline{3}$ 30'40	-2°33'02				
min. Earth dist.	-6682 Sep 09 j 09:58	28° $\overline{3}$ 31'18	28.86144 AU	conjunction	-6675 Mar 24 j 19:12	13° \approx 04'46	-2°24'33
direct	-6682 Nov 26 j 12:26	27° $\overline{3}$ 06'16		minimum elong	-6675 Mar 24 j 19:13	13° \approx 04'46	2°24'54
evening set	-6681 Feb 22 j 23:27	29° $\overline{3}$ 01'09		max. Earth dist.	-6675 Mar 24 j 22:06	13° \approx 05'02	30.87193 AU
				morning rise	-6675 Apr 10 j 01:04	13° \approx 40'43	
conjunction	-6681 Mar 11 j 03:48	29° $\overline{3}$ 37'03	-2°23'32		-6675 May 22 j 00:52	15° \approx	
minimum elong	-6681 Mar 11 j 03:48	29° $\overline{3}$ 37'03	2°23'56	retrograde	-6675 Jul 08 j 21:04	15° \approx 37'10	
max. Earth dist.	-6681 Mar 11 j 12:22	29° $\overline{3}$ 37'51	30.85985 AU		-6675 Aug 26 j 10:35	15° \approx	
	-6681 Mar 21 j 10:52	0° \approx		opposition	-6675 Sep 24 j 20:00	14° \approx 12'41	-2°34'17
morning rise	-6681 Mar 27 j 09:30	0° \approx 13'05		min. Earth dist.	-6675 Sep 24 j 16:47	14° \approx 12'55	28.87680 AU
retrograde	-6681 Jun 25 j 21:21	2° \approx 10'25		direct	-6675 Dec 11 j 23:54	12° \approx 47'45	
opposition	-6681 Sep 12 j 05:38	0° \approx 45'43	-2°33'55	evening set	-6674 Mar 11 j 04:09	14° \approx 43'13	
min. Earth dist.	-6681 Sep 11 j 22:45	0° \approx 46'12	28.86203 AU		-6674 Mar 18 j 19:39	15° \approx	
	-6681 Oct 10 j 11:38	30° \approx 3					
direct	-6681 Nov 28 j 22:39	29° $\overline{3}$ 21'13		conjunction	-6674 Mar 27 j 09:48	15° \approx 19'08	-2°23'57
	-6680 Jan 16 j 13:21	0° \approx		minimum elong	-6674 Mar 27 j 09:49	15° \approx 19'08	2°24'18
evening set	-6680 Feb 25 j 13:51	1° \approx 16'10		max. Earth dist.	-6674 Mar 27 j 12:31	15° \approx 19'23	30.87814 AU
				morning rise	-6674 Apr 12 j 15:32	15° \approx 55'05	
conjunction	-6680 Mar 12 j 18:33	1° \approx 52'04	-2°24'15	retrograde	-6674 Jul 11 j 09:07	17° \approx 51'25	
minimum elong	-6680 Mar 12 j 18:33	1° \approx 52'04	2°24'39	opposition	-6674 Sep 27 j 06:28	16° \approx 27'02	-2°33'32
max. Earth dist.	-6680 Mar 13 j 02:33	1° \approx 52'49	30.86031 AU	min. Earth dist.	-6674 Sep 27 j 04:51	16° \approx 27'09	28.88357 AU
morning rise	-6680 Mar 29 j 00:14	2° \approx 28'05		direct	-6674 Dec 14 j 11:32	15° \approx 02'06	
retrograde	-6680 Jun 27 j 08:37	4° \approx 25'16		evening set	-6673 Mar 13 j 18:24	16° \approx 57'40	
opposition	-6680 Sep 13 j 16:01	3° \approx 00'35	-2°34'34				
min. Earth dist.	-6680 Sep 13 j 09:18	3° \approx 01'04	28.86236 AU	conjunction	-6673 Mar 30 j 00:10	17° \approx 33'36	-2°23'08
direct	-6680 Nov 30 j 12:00	1° \approx 35'59		minimum elong	-6673 Mar 30 j 00:11	17° \approx 33'36	2°23'27
evening set	-6679 Feb 27 j 04:26	3° \approx 31'00		max. Earth dist.	-6673 Mar 30 j 01:41	17° \approx 33'44	30.88549 AU
				morning rise	-6673 Apr 15 j 05:57	18° \approx 09'33	
conjunction	-6679 Mar 15 j 09:11	4° \approx 06'54	-2°24'45	retrograde	-6673 Jul 13 j 23:15	20° \approx 05'45	
minimum elong	-6679 Mar 15 j 09:11	4° \approx 06'54	2°25'09	opposition	-6673 Sep 29 j 16:45	18° \approx 41'30	-2°32'32
max. Earth dist.	-6679 Mar 15 j 15:13	4° \approx 07'28	30.86071 AU	min. Earth dist.	-6673 Sep 29 j 15:06	18° \approx 41'37	28.89112 AU
morning rise	-6679 Mar 31 j 15:02	4° \approx 42'55		direct	-6673 Dec 17 j 00:07	17° \approx 16'33	
retrograde	-6679 Jun 29 j 20:19	6° \approx 39'56		evening set	-6672 Mar 15 j 08:56	19° \approx 12'14	
opposition	-6679 Sep 16 j 02:36	5° \approx 15'16	-2°34'59				
min. Earth dist.	-6679 Sep 15 j 21:18	5° \approx 15'38	28.86305 AU	conjunction	-6672 Mar 31 j 14:49	19° \approx 48'11	-2°22'05
direct	-6679 Dec 02 j 22:27	3° \approx 50'34		minimum elong	-6672 Mar 31 j 14:49	19° \approx 48'11	2°22'25
evening set	-6678 Mar 01 j 18:43	5° \approx 45'39		max. Earth dist.	-6672 Mar 31 j 15:12	19° \approx 48'13	30.89312 AU
				morning rise	-6672 Apr 16 j 20:33	20° \approx 24'08	
conjunction	-6678 Mar 17 j 23:47	6° \approx 21'33	-2°25'02	retrograde	-6672 Jul 15 j 10:23	22° \approx 20'14	
minimum elong	-6678 Mar 17 j 23:47	6° \approx 21'33	2°25'25	opposition	-6672 Oct 01 j 03:07	20° \approx 56'05	-2°31'18
max. Earth dist.	-6678 Mar 18 j 05:59	6° \approx 22'08	30.86167 AU	min. Earth dist.	-6672 Oct 01 j 03:33	20° \approx 56'03	28.89876 AU
morning rise	-6678 Apr 03 j 05:28	6° \approx 57'33		direct	-6672 Dec 18 j 10:18	19° \approx 31'08	
retrograde	-6678 Jul 02 j 07:25	8° \approx 54'25		evening set	-6671 Mar 17 j 23:31	21° \approx 26'56	
opposition	-6678 Sep 18 j 12:58	7° \approx 29'46	-2°35'10				
min. Earth dist.	-6678 Sep 18 j 08:07	7° \approx 30'07	28.86442 AU	conjunction	-6671 Apr 03 j 05:35	22° \approx 02'53	-2°20'50
direct	-6678 Dec 05 j 10:52	6° \approx 04'58		minimum elong	-6671 Apr 03 j 05:36	22° \approx 02'53	2°21'08
evening set	-6677 Mar 04 j 09:08	8° \approx 00'09		max. Earth dist.	-6671 Apr 03 j 05:06	22° \approx 02'50	30.90061 AU
				morning rise	-6671 Apr 19 j 11:14	22° \approx 38'49	
conjunction	-6677 Mar 20 j 14:11	8° \approx 36'02	-2°25'05	retrograde	-6671 Jul 17 j 22:13	24° \approx 34'47	
minimum elong	-6677 Mar 20 j 14:11	8° \approx 36'02	2°25'28	opposition	-6671 Oct 03 j 13:32	23° \approx 10'45	-2°29'50
max. Earth dist.	-6677 Mar 20 j 18:30	8° \approx 36'27	30.86367 AU	min. Earth dist.	-6671 Oct 03 j 14:16	23° \approx 10'42	28.90581 AU
morning rise	-6677 Apr 05 j 20:03	9° \approx 12'01		direct	-6671 Dec 20 j 23:26	21° \approx 45'47	
retrograde	-6677 Jul 04 j 20:06	11° \approx 08'44		evening set	-6670 Mar 20 j 14:06	23° \approx 41'41	
opposition	-6677 Sep 20 j 23:20	9° \approx 44'07	-2°35'06				
min. Earth dist.	-6677 Sep 20 j 19:06	9° \approx 44'26	28.86716 AU	conjunction	-6670 Apr 05 j 20:08	24° \approx 17'38	-2°19'22
direct	-6677 Dec 07 j 22:29	8° \approx 19'16		minimum elong	-6670 Apr 05 j 20:08	24° \approx 17'38	2°19'40
evening set	-6676 Mar 05 j 23:19	10° \approx 14'31		max. Earth dist.	-6670 Apr 05 j 17:31	24° \approx 17'24	30.90723 AU
				morning rise	-6670 Apr 22 j 01:47	24° \approx 53'34	
conjunction	-6676 Mar 22 j 04:44	10° \approx 50'25	-2°24'56	retrograde	-6670 Jul 20 j 10:00	26° \approx 49'24	
minimum elong	-6676 Mar 22 j 04:44	10° \approx 50'25	2°25'18	opposition	-6670 Oct 06 j 00:02	25° \approx 25'26	-2°28'09
max. Earth dist.	-6676 Mar 22 j 09:24	10° \approx 50'51	30.86704 AU	min. Earth dist.	-6670 Oct 06 j 02:24	25° \approx 25'16	28.91207 AU
morning rise	-6676 Apr 07 j 10:27	11° \approx 26'23		direct	-6670 Dec 23 j 09:25	24° \approx 00'26	
retrograde	-6676 Jul 06 j 07:39	13° \approx 22'58		evening set	-6669 Mar 23 j 04:31	25° \approx 56'24	

Attention, astronomical year style is used: The year -6669 in astronomical counting style is the year 6670 BCE in historical counting style.

conjunction	-6669 Apr 08 j 10:49	26° \approx 32'22	-2°17'41	retrograde	-6663 Aug 04 j 18:05	12° \approx 28'04	
minimum elong	-6669 Apr 08 j 10:50	26° \approx 32'22	2°17'58	opposition	-6663 Oct 21 j 00:00	11° \approx 04'27	-2°10'23
max. Earth dist.	-6669 Apr 08 j 07:50	26° \approx 32'05	30.91309 AU	min. Earth dist.	-6663 Oct 21 j 08:36	11° \approx 03'51	28.95248 AU
morning rise	-6669 Apr 24 j 16:17	27° \approx 08'17		direct	-6662 Jan 08 j 01:15	9° \approx 39'04	
retrograde	-6669 Jul 22 j 20:37	29° \approx 03'57		evening set	-6662 Apr 08 j 07:51	11° \approx 35'22	
opposition	-6669 Oct 08 j 10:22	27° \approx 40'04	-2°26'15				
min. Earth dist.	-6669 Oct 08 j 13:36	27° \approx 39'50	28.91740 AU	conjunction	-6662 Apr 24 j 14:29	12° \approx 11'18	-2°00'24
direct	-6669 Dec 25 j 21:36	26° \approx 15'00		minimum elong	-6662 Apr 24 j 14:29	12° \approx 11'18	2°00'35
evening set	-6668 Mar 24 j 19:01	28° \approx 11'02		max. Earth dist.	-6662 Apr 24 j 04:48	12° \approx 10'24	30.95571 AU
				morning rise	-6662 May 10 j 19:18	12° \approx 47'06	
conjunction	-6668 Apr 10 j 01:17	28° \approx 46'59	-2°15'48	retrograde	-6662 Aug 07 j 05:50	14° \approx 41'37	
minimum elong	-6668 Apr 10 j 01:17	28° \approx 46'59	2°16'05	opposition	-6662 Oct 23 j 10:14	13° \approx 18'06	-2°07'02
max. Earth dist.	-6668 Apr 09 j 19:55	28° \approx 46'29	30.91819 AU	min. Earth dist.	-6662 Oct 23 j 18:37	13° \approx 17'31	28.96190 AU
morning rise	-6668 Apr 26 j 06:53	29° \approx 22'54		direct	-6661 Jan 10 j 14:19	11° \approx 52'43	
	-6668 May 14 j 02:40	0° \approx		evening set	-6661 Apr 10 j 21:53	13° \approx 49'04	
retrograde	-6668 Jul 24 j 08:16	1° \approx 18'24					
	-6668 Oct 06 j 16:07	30° \approx		conjunction	-6661 Apr 27 j 04:25	14° \approx 25'01	-1°57'10
opposition	-6668 Oct 09 j 20:43	29° \approx 54'34	-2°24'07	minimum elong	-6661 Apr 27 j 04:25	14° \approx 25'01	1°57'20
min. Earth dist.	-6668 Oct 10 j 00:58	29° \approx 54'15	28.92223 AU	max. Earth dist.	-6661 Apr 26 j 17:20	14° \approx 23'59	30.96572 AU
direct	-6668 Dec 27 j 09:38	28° \approx 29'26		morning rise	-6661 May 13 j 09:08	15° \approx 00'48	
	-6667 Mar 15 j 07:37	0° \approx		retrograde	-6661 Aug 09 j 17:37	16° \approx 55'11	
evening set	-6667 Mar 27 j 09:22	0° \approx 25'31		opposition	-6661 Oct 25 j 20:26	15° \approx 31'46	-2°03'29
				min. Earth dist.	-6661 Oct 26 j 06:06	15° \approx 31'05	28.97232 AU
conjunction	-6667 Apr 12 j 15:52	1° \approx 01'28	-2°13'43	direct	-6660 Jan 13 j 00:20	14° \approx 06'23	
minimum elong	-6667 Apr 12 j 15:53	1° \approx 01'28	2°13'58	evening set	-6660 Apr 12 j 11:49	16° \approx 02'49	
max. Earth dist.	-6667 Apr 12 j 10:30	1° \approx 00'58	30.92284 AU				
morning rise	-6667 Apr 28 j 21:12	1° \approx 37'21		conjunction	-6660 Apr 28 j 18:29	16° \approx 38'46	-1°53'46
retrograde	-6667 Jul 26 j 18:38	3° \approx 32'41		minimum elong	-6660 Apr 28 j 18:29	16° \approx 38'46	1°53'55
opposition	-6667 Oct 12 j 07:01	2° \approx 08'53	-2°21'47	max. Earth dist.	-6660 Apr 28 j 07:20	16° \approx 37'43	30.97641 AU
min. Earth dist.	-6667 Oct 12 j 12:41	2° \approx 08'29	28.92675 AU	morning rise	-6660 May 14 j 22:57	17° \approx 14'32	
direct	-6667 Dec 29 j 22:59	0° \approx 43'41		retrograde	-6660 Aug 11 j 03:36	19° \approx 08'47	
evening set	-6666 Mar 29 j 23:44	2° \approx 39'49		opposition	-6660 Oct 27 j 06:45	17° \approx 45'29	-1°59'45
				min. Earth dist.	-6660 Oct 27 j 17:09	17° \approx 44'45	28.98286 AU
conjunction	-6666 Apr 15 j 06:09	3° \approx 15'46	-2°11'26	direct	-6659 Jan 14 j 12:47	16° \approx 20'07	
minimum elong	-6666 Apr 15 j 06:10	3° \approx 15'46	2°11'41	evening set	-6659 Apr 15 j 01:59	18° \approx 16'37	
max. Earth dist.	-6666 Apr 14 j 22:47	3° \approx 15'05	30.92760 AU				
morning rise	-6666 May 01 j 11:33	3° \approx 51'38		conjunction	-6659 May 01 j 08:24	18° \approx 52'33	-1°50'11
retrograde	-6666 Jul 29 j 07:16	5° \approx 46'48		minimum elong	-6659 May 01 j 08:25	18° \approx 52'33	1°50'18
opposition	-6666 Oct 14 j 17:15	4° \approx 23'01	-2°19'15	max. Earth dist.	-6659 Apr 30 j 19:07	18° \approx 51'19	30.98688 AU
min. Earth dist.	-6666 Oct 14 j 22:58	4° \approx 22'37	28.93173 AU	morning rise	-6659 May 17 j 12:48	19° \approx 28'19	
direct	-6665 Jan 01 j 11:15	2° \approx 57'45		retrograde	-6659 Aug 13 j 14:49	21° \approx 22'26	
evening set	-6665 Apr 01 j 13:42	4° \approx 53'55		opposition	-6659 Oct 29 j 17:07	19° \approx 59'14	-1°55'50
				min. Earth dist.	-6659 Oct 30 j 04:23	19° \approx 58'27	28.99307 AU
conjunction	-6665 Apr 17 j 20:17	5° \approx 29'52	-2°08'58	direct	-6658 Jan 16 j 23:56	18° \approx 33'52	
minimum elong	-6665 Apr 17 j 20:18	5° \approx 29'52	2°09'10	evening set	-6658 Apr 17 j 15:57	20° \approx 30'25	
max. Earth dist.	-6665 Apr 17 j 12:52	5° \approx 29'10	30.93288 AU				
morning rise	-6665 May 04 j 01:28	6° \approx 05'43		conjunction	-6658 May 03 j 22:28	21° \approx 06'22	-1°46'27
retrograde	-6665 Jul 31 j 18:29	8° \approx 00'42		minimum elong	-6658 May 03 j 22:29	21° \approx 06'22	1°46'34
opposition	-6665 Oct 17 j 03:34	6° \approx 36'58	-2°16'30	max. Earth dist.	-6658 May 03 j 09:12	21° \approx 05'08	30.99666 AU
min. Earth dist.	-6665 Oct 17 j 10:53	6° \approx 36'27	28.93742 AU	morning rise	-6658 May 20 j 02:29	21° \approx 42'06	
direct	-6664 Jan 04 j 00:09	5° \approx 11'39		retrograde	-6658 Aug 16 j 00:50	23° \approx 36'06	
evening set	-6664 Apr 03 j 03:51	7° \approx 07'51		opposition	-6658 Nov 01 j 03:38	22° \approx 12'59	-1°51'45
				min. Earth dist.	-6658 Nov 01 j 16:25	22° \approx 12'05	29.00227 AU
conjunction	-6664 Apr 19 j 10:25	7° \approx 43'47	-2°06'18	direct	-6657 Jan 19 j 12:14	20° \approx 47'37	
minimum elong	-6664 Apr 19 j 10:26	7° \approx 43'47	2°06'30	evening set	-6657 Apr 20 j 05:54	22° \approx 44'12	
max. Earth dist.	-6664 Apr 19 j 01:43	7° \approx 42'59	30.93924 AU				
morning rise	-6664 May 05 j 15:36	8° \approx 19'37		conjunction	-6657 May 06 j 12:11	23° \approx 20'08	-1°42'33
retrograde	-6664 Aug 02 j 07:28	10° \approx 14'27		minimum elong	-6657 May 06 j 12:12	23° \approx 20'08	1°42'38
opposition	-6664 Oct 18 j 13:39	8° \approx 50'46	-2°13'32	max. Earth dist.	-6657 May 05 j 20:42	23° \approx 18'41	31.00543 AU
min. Earth dist.	-6664 Oct 18 j 20:41	8° \approx 50'16	28.94428 AU	morning rise	-6657 May 22 j 16:10	23° \approx 55'51	
direct	-6663 Jan 05 j 14:00	7° \approx 25'23		retrograde	-6657 Aug 18 j 13:03	25° \approx 49'43	
evening set	-6663 Apr 05 j 17:58	9° \approx 21'39		opposition	-6657 Nov 03 j 14:02	24° \approx 26'40	-1°47'30
				min. Earth dist.	-6657 Nov 04 j 03:04	24° \approx 25'45	29.01039 AU
conjunction	-6663 Apr 22 j 00:34	9° \approx 57'35	-2°03'26	direct	-6656 Jan 22 j 00:20	23° \approx 01'16	
minimum elong	-6663 Apr 22 j 00:35	9° \approx 57'35	2°03'37	evening set	-6656 Apr 21 j 19:49	24° \approx 57'54	
max. Earth dist.	-6663 Apr 21 j 15:15	9° \approx 56'43	30.94674 AU	max. Earth dist.	-6656 May 07 j 10:17	25° \approx 32'20	31.01295 AU
morning rise	-6663 May 08 j 05:32	10° \approx 33'24					

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Attention, astronomical year style is used: The year -6656 in astronomical counting style is the year 6657 BCE in historical counting style.

conjunction	-6656 May 08 j 02:08	25° $\mathbf{\text{H}}$ 33'49	-1°38'30	morning rise	-6650 Jun 07 j 11:56	9° $\mathbf{\text{V}}$ 28'00	
minimum elong	-6656 May 08 j 02:09	25° $\mathbf{\text{H}}$ 33'49	1°38'35	retrograde	-6650 Sep 02 j 16:00	11° $\mathbf{\text{V}}$ 20'52	
morning rise	-6656 May 24 j 05:43	26° $\mathbf{\text{H}}$ 09'31		opposition	-6650 Nov 18 j 14:43	9° $\mathbf{\text{V}}$ 58'10	-1°13'51
retrograde	-6656 Aug 19 j 23:32	28° $\mathbf{\text{H}}$ 03'14		min. Earth dist.	-6650 Nov 19 j 08:31	9° $\mathbf{\text{V}}$ 56'55	29.05883 AU
opposition	-6656 Nov 05 j 00:29	26° $\mathbf{\text{H}}$ 40'14	-1°43'06	direct	-6649 Feb 06 j 16:12	8° $\mathbf{\text{V}}$ 32'35	
min. Earth dist.	-6656 Nov 05 j 15:26	26° $\mathbf{\text{H}}$ 39'11	29.01733 AU	evening set	-6649 May 08 j 17:52	10° $\mathbf{\text{V}}$ 29'19	
direct	-6655 Jan 23 j 13:31	25° $\mathbf{\text{H}}$ 14'49					
evening set	-6655 Apr 24 j 09:44	27° $\mathbf{\text{H}}$ 11'28		conjunction	-6649 May 24 j 22:53	11° $\mathbf{\text{V}}$ 05'08	-1°06'36
				minimum elong	-6649 May 24 j 22:54	11° $\mathbf{\text{V}}$ 05'08	1°06'33
conjunction	-6655 May 10 j 15:51	27° $\mathbf{\text{H}}$ 47'21	-1°34'19	max. Earth dist.	-6649 May 24 j 02:47	11° $\mathbf{\text{V}}$ 03'16	31.06311 AU
minimum elong	-6655 May 10 j 15:52	27° $\mathbf{\text{H}}$ 47'21	1°34'22	morning rise	-6649 Jun 10 j 00:22	11° $\mathbf{\text{V}}$ 40'39	
max. Earth dist.	-6655 May 09 j 22:20	27° $\mathbf{\text{H}}$ 45'44	31.01960 AU	retrograde	-6649 Sep 05 j 01:15	13° $\mathbf{\text{V}}$ 33'26	
morning rise	-6655 May 26 j 19:18	28° $\mathbf{\text{H}}$ 23'02		opposition	-6649 Nov 21 j 01:12	12° $\mathbf{\text{V}}$ 10'49	-1°08'33
	-6655 Jul 22 j 07:08	0° $\mathbf{\text{V}}$		min. Earth dist.	-6649 Nov 21 j 19:59	12° $\mathbf{\text{V}}$ 09'30	29.06879 AU
retrograde	-6655 Aug 22 j 11:53	0° $\mathbf{\text{V}}$ 16'36		direct	-6648 Feb 09 j 03:29	10° $\mathbf{\text{V}}$ 45'16	
	-6655 Sep 23 j 00:09	30° $\mathbf{\text{R}}$ $\mathbf{\text{H}}$		evening set	-6648 May 10 j 07:06	12° $\mathbf{\text{V}}$ 42'02	
opposition	-6655 Nov 07 j 10:52	28° $\mathbf{\text{H}}$ 53'39	-1°38'33				
min. Earth dist.	-6655 Nov 08 j 01:44	28° $\mathbf{\text{H}}$ 52'36	29.02351 AU	conjunction	-6648 May 26 j 11:40	13° $\mathbf{\text{V}}$ 17'50	-1°01'35
direct	-6654 Jan 26 j 03:47	27° $\mathbf{\text{H}}$ 28'11		minimum elong	-6648 May 26 j 11:41	13° $\mathbf{\text{V}}$ 17'50	1°01'32
evening set	-6654 Apr 26 j 23:19	29° $\mathbf{\text{H}}$ 24'50		max. Earth dist.	-6648 May 25 j 14:02	13° $\mathbf{\text{V}}$ 15'49	31.07354 AU
max. Earth dist.	-6654 May 12 j 11:11	29° $\mathbf{\text{H}}$ 59'02	31.02556 AU	morning rise	-6648 Jun 11 j 12:56	13° $\mathbf{\text{V}}$ 53'20	
	-6654 May 12 j 21:32	0° $\mathbf{\text{V}}$		retrograde	-6648 Sep 06 j 12:38	15° $\mathbf{\text{V}}$ 46'02	
				opposition	-6648 Nov 22 j 11:32	14° $\mathbf{\text{V}}$ 23'31	-1°03'10
conjunction	-6654 May 13 j 05:18	0° $\mathbf{\text{V}}$ 00'43	-1°30'00	min. Earth dist.	-6648 Nov 23 j 06:04	14° $\mathbf{\text{V}}$ 22'13	29.07936 AU
minimum elong	-6654 May 13 j 05:19	0° $\mathbf{\text{V}}$ 00'43	1°30'03	direct	-6647 Feb 10 j 14:34	12° $\mathbf{\text{V}}$ 58'00	
morning rise	-6654 May 29 j 08:24	0° $\mathbf{\text{V}}$ 36'22		evening set	-6647 May 12 j 20:11	14° $\mathbf{\text{V}}$ 54'48	
retrograde	-6654 Aug 24 j 22:10	2° $\mathbf{\text{V}}$ 29'47		max. Earth dist.	-6647 May 28 j 03:15	15° $\mathbf{\text{V}}$ 28'36	31.08414 AU
opposition	-6654 Nov 09 j 21:20	1° $\mathbf{\text{V}}$ 06'52	-1°33'52				
min. Earth dist.	-6654 Nov 10 j 13:55	1° $\mathbf{\text{V}}$ 05'42	29.02940 AU	conjunction	-6647 May 29 j 00:35	15° $\mathbf{\text{V}}$ 30'34	-0°56'30
	-6654 Dec 25 j 08:17	30° $\mathbf{\text{R}}$ $\mathbf{\text{H}}$		minimum elong	-6647 May 29 j 00:35	15° $\mathbf{\text{V}}$ 30'35	0°56'25
direct	-6653 Jan 28 j 15:40	29° $\mathbf{\text{H}}$ 41'22		morning rise	-6647 Jun 14 j 01:16	16° $\mathbf{\text{V}}$ 06'03	
	-6653 Mar 03 j 13:59	0° $\mathbf{\text{V}}$		retrograde	-6647 Sep 08 j 22:31	17° $\mathbf{\text{V}}$ 58'41	
evening set	-6653 Apr 29 j 12:50	1° $\mathbf{\text{V}}$ 38'02		opposition	-6647 Nov 24 j 22:16	16° $\mathbf{\text{V}}$ 36'14	-0°57'40
				min. Earth dist.	-6647 Nov 25 j 18:20	16° $\mathbf{\text{V}}$ 34'50	29.08984 AU
conjunction	-6653 May 15 j 18:41	2° $\mathbf{\text{V}}$ 13'54	-1°25'33	direct	-6646 Feb 13 j 03:20	15° $\mathbf{\text{V}}$ 10'46	
minimum elong	-6653 May 15 j 18:42	2° $\mathbf{\text{V}}$ 13'54	1°25'34	evening set	-6646 May 15 j 09:10	17° $\mathbf{\text{V}}$ 07'36	
max. Earth dist.	-6653 May 15 j 00:04	2° $\mathbf{\text{V}}$ 12'10	31.03157 AU				
morning rise	-6653 May 31 j 21:33	2° $\mathbf{\text{V}}$ 49'31		conjunction	-6646 May 31 j 13:06	17° $\mathbf{\text{V}}$ 43'21	-0°51'19
retrograde	-6653 Aug 27 j 09:29	4° $\mathbf{\text{V}}$ 42'47		minimum elong	-6646 May 31 j 13:07	17° $\mathbf{\text{V}}$ 43'21	0°51'14
opposition	-6653 Nov 12 j 07:31	3° $\mathbf{\text{V}}$ 19'54	-1°29'03	max. Earth dist.	-6646 May 30 j 14:30	17° $\mathbf{\text{V}}$ 41'15	31.09442 AU
min. Earth dist.	-6653 Nov 13 j 00:01	3° $\mathbf{\text{V}}$ 18'44	29.03541 AU	morning rise	-6646 Jun 16 j 13:31	18° $\mathbf{\text{V}}$ 18'48	
direct	-6652 Jan 31 j 05:30	1° $\mathbf{\text{V}}$ 54'21		retrograde	-6646 Sep 11 j 10:16	20° $\mathbf{\text{V}}$ 11'21	
evening set	-6652 May 01 j 02:20	3° $\mathbf{\text{V}}$ 51'02		opposition	-6646 Nov 27 j 08:50	18° $\mathbf{\text{V}}$ 48'58	-0°52'06
				min. Earth dist.	-6646 Nov 28 j 04:37	18° $\mathbf{\text{V}}$ 47'36	29.09966 AU
conjunction	-6652 May 17 j 07:56	4° $\mathbf{\text{V}}$ 26'53	-1°20'59	direct	-6645 Feb 15 j 16:45	17° $\mathbf{\text{V}}$ 23'31	
minimum elong	-6652 May 17 j 07:57	4° $\mathbf{\text{V}}$ 26'53	1°21'00	evening set	-6645 May 17 j 22:12	19° $\mathbf{\text{V}}$ 20'23	
max. Earth dist.	-6652 May 16 j 12:08	4° $\mathbf{\text{V}}$ 25'03	31.03788 AU	max. Earth dist.	-6645 Jun 02 j 02:42	19° $\mathbf{\text{V}}$ 53'57	31.10371 AU
morning rise	-6652 Jun 02 j 10:32	5° $\mathbf{\text{V}}$ 02'29					
retrograde	-6652 Aug 28 j 20:48	6° $\mathbf{\text{V}}$ 55'36		conjunction	-6645 Jun 03 j 01:50	19° $\mathbf{\text{V}}$ 56'06	-0°46'04
opposition	-6652 Nov 13 j 17:56	5° $\mathbf{\text{V}}$ 32'46	-1°24'06	minimum elong	-6645 Jun 03 j 01:50	19° $\mathbf{\text{V}}$ 56'06	0°45'57
min. Earth dist.	-6652 Nov 14 j 11:23	5° $\mathbf{\text{V}}$ 31'32	29.04215 AU	morning rise	-6645 Jun 19 j 01:43	20° $\mathbf{\text{V}}$ 31'31	
direct	-6651 Feb 01 j 16:31	4° $\mathbf{\text{V}}$ 07'11		retrograde	-6645 Sep 13 j 20:44	22° $\mathbf{\text{V}}$ 23'59	
evening set	-6651 May 03 j 15:35	6° $\mathbf{\text{V}}$ 03'52		opposition	-6645 Nov 29 j 19:29	21° $\mathbf{\text{V}}$ 01'40	-0°46'27
				min. Earth dist.	-6645 Nov 30 j 16:59	21° $\mathbf{\text{V}}$ 00'10	29.10845 AU
conjunction	-6651 May 19 j 21:04	6° $\mathbf{\text{V}}$ 39'43	-1°16'18	direct	-6644 Feb 18 j 04:22	19° $\mathbf{\text{V}}$ 36'13	
minimum elong	-6651 May 19 j 21:05	6° $\mathbf{\text{V}}$ 39'43	1°16'16	evening set	-6644 May 19 j 11:13	21° $\mathbf{\text{V}}$ 33'04	
max. Earth dist.	-6651 May 19 j 01:37	6° $\mathbf{\text{V}}$ 37'54	31.04511 AU				
morning rise	-6651 Jun 04 j 23:14	7° $\mathbf{\text{V}}$ 15'17		conjunction	-6644 Jun 04 j 14:29	22° $\mathbf{\text{V}}$ 08'46	-0°40'46
retrograde	-6651 Aug 31 j 05:40	9° $\mathbf{\text{V}}$ 08'17		minimum elong	-6644 Jun 04 j 14:29	22° $\mathbf{\text{V}}$ 08'46	0°40'39
opposition	-6651 Nov 16 j 04:21	7° $\mathbf{\text{V}}$ 45'30	-1°19'02	max. Earth dist.	-6644 Jun 03 j 14:44	22° $\mathbf{\text{V}}$ 06'33	31.11197 AU
min. Earth dist.	-6651 Nov 16 j 22:00	7° $\mathbf{\text{V}}$ 44'15	29.04980 AU	morning rise	-6644 Jun 20 j 13:57	22° $\mathbf{\text{V}}$ 44'09	
direct	-6650 Feb 04 j 05:35	6° $\mathbf{\text{V}}$ 19'55		retrograde	-6644 Sep 15 j 08:18	24° $\mathbf{\text{V}}$ 36'30	
evening set	-6650 May 06 j 04:54	8° $\mathbf{\text{V}}$ 16'37		opposition	-6644 Dec 01 j 06:11	23° $\mathbf{\text{V}}$ 14'14	-0°40'45
				min. Earth dist.	-6644 Dec 02 j 03:39	23° $\mathbf{\text{V}}$ 12'44	29.11598 AU
conjunction	-6650 May 22 j 09:59	8° $\mathbf{\text{V}}$ 52'26	-1°11'30	direct	-6643 Feb 19 j 19:04	21° $\mathbf{\text{V}}$ 48'46	
minimum elong	-6650 May 22 j 09:59	8° $\mathbf{\text{V}}$ 52'26	1°11'29	evening set	-6643 May 22 j 00:07	23° $\mathbf{\text{V}}$ 45'37	
max. Earth dist.	-6650 May 21 j 13:05	8° $\mathbf{\text{V}}$ 50'30	31.05348 AU	max. Earth dist.	-6643 Jun 06 j 01:59	24° $\mathbf{\text{V}}$ 18'58	31.11896 AU

Attention, astronomical year style is used: The year -6643 in astronomical counting style is the year 6644 BCE in historical counting style.

conjunction	-6643 Jun 07 j 02:54	24° Υ 21'17	-0°35'24	conjunction	-6637 Jun 21 j 02:17	7° δ 31'59	-0°02'35
minimum elong	-6643 Jun 07 j 02:54	24° Υ 21'17	0°35'15	minimum elong	-6637 Jun 21 j 02:16	7° δ 31'59	0°02'21
morning rise	-6643 Jun 23 j 01:53	24° Υ 56'37		behind sun begin	-6637 Jun 20 j 19:45	7° δ 31'24	
retrograde	-6643 Sep 17 j 19:31	26° Υ 48'53		behind sun end	-6637 Jun 21 j 08:46	7° δ 32'34	
opposition	-6643 Dec 03 j 16:58	25° Υ 26'37	-0°34'59	morning rise	-6637 Jul 06 j 22:12	8° δ 07'06	
min. Earth dist.	-6643 Dec 04 j 15:25	25° Υ 25'04	29.12257 AU	retrograde	-6637 Oct 01 j 05:08	9° δ 58'54	
direct	-6642 Feb 22 j 07:20	24° Υ 01'09		asc. node	-6637 Dec 04 j 10:11	8° δ 58'07	
evening set	-6642 May 24 j 12:48	25° Υ 57'58		opposition	-6637 Dec 17 j 09:23	8° δ 36'46	0°00'13
				min. Earth dist.	-6637 Dec 18 j 08:15	8° δ 35'11	29.16324 AU
				direct	-6636 Mar 07 j 08:07	7° δ 11'16	
				evening set	-6636 Jun 06 j 14:27	9° δ 07'59	
conjunction	-6642 Jun 09 j 15:16	26° Υ 33'35	-0°29'59				
minimum elong	-6642 Jun 09 j 15:16	26° Υ 33'35	0°29'51				
max. Earth dist.	-6642 Jun 08 j 14:36	26° Υ 31'18	31.12518 AU				
morning rise	-6642 Jun 25 j 13:43	27° Υ 08'54		conjunction	-6636 Jun 22 j 13:52	9° δ 43'24	0°03'05
retrograde	-6642 Sep 20 j 04:13	29° Υ 01'03		minimum elong	-6636 Jun 22 j 13:52	9° δ 43'24	0°03'19
opposition	-6642 Dec 06 j 03:39	27° Υ 38'48	-0°29'11	behind sun begin	-6636 Jun 22 j 07:23	9° δ 42'49	
min. Earth dist.	-6642 Dec 07 j 02:30	27° Υ 37'13	29.12838 AU	behind sun end	-6636 Jun 22 j 20:20	9° δ 43'58	
direct	-6641 Feb 24 j 20:59	26° Υ 13'18		max. Earth dist.	-6636 Jun 21 j 12:17	9° δ 41'01	31.16777 AU
evening set	-6641 May 27 j 01:24	28° Υ 10'04		morning rise	-6636 Jul 08 j 09:07	10° δ 18'28	
max. Earth dist.	-6641 Jun 11 j 01:11	28° Υ 43'15	31.13086 AU	retrograde	-6636 Oct 02 j 15:32	12° δ 10'16	
				opposition	-6636 Dec 18 j 20:22	10° δ 48'12	0°06'07
conjunction	-6641 Jun 12 j 03:18	28° Υ 45'40	-0°24'33	min. Earth dist.	-6636 Dec 19 j 20:14	10° δ 46'33	29.17310 AU
minimum elong	-6641 Jun 12 j 03:18	28° Υ 45'40	0°24'21	direct	-6635 Mar 09 j 19:05	9° δ 22'46	
morning rise	-6641 Jun 28 j 01:25	29° Υ 20'56		evening set	-6635 Jun 09 j 02:24	11° δ 19'31	
	-6641 Jul 16 j 21:23	0° δ		max. Earth dist.	-6635 Jun 23 j 23:51	11° δ 52'31	31.17788 AU
retrograde	-6641 Sep 22 j 14:27	1° δ 12'59					
	-6641 Dec 03 j 01:09	30° κ Υ		conjunction	-6635 Jun 25 j 01:13	11° δ 54'53	0°08'35
opposition	-6641 Dec 08 j 14:19	29° Υ 50'45	-0°23'21	minimum elong	-6635 Jun 25 j 01:12	11° δ 54'53	0°08'51
min. Earth dist.	-6641 Dec 09 j 13:20	29° Υ 49'08	29.13402 AU	behind sun begin	-6635 Jun 24 j 19:37	11° δ 54'23	
direct	-6640 Feb 27 j 08:27	28° Υ 25'12		behind sun end	-6635 Jun 25 j 06:48	11° δ 55'23	
	-6640 May 18 j 05:41	0° δ		morning rise	-6635 Jul 10 j 19:55	12° δ 29'55	
evening set	-6640 May 28 j 13:47	0° δ 21'57		retrograde	-6635 Oct 05 j 03:00	14° δ 21'42	
				opposition	-6635 Dec 21 j 07:21	12° δ 59'44	0°12'01
conjunction	-6640 Jun 13 j 15:22	0° δ 57'30	-0°19'04	min. Earth dist.	-6635 Dec 22 j 06:39	12° δ 58'07	29.18318 AU
minimum elong	-6640 Jun 13 j 15:22	0° δ 57'30	0°18'53	direct	-6634 Mar 12 j 09:13	11° δ 34'22	
max. Earth dist.	-6640 Jun 12 j 14:10	0° δ 55'10	31.13651 AU	evening set	-6634 Jun 11 j 14:25	13° δ 31'08	
morning rise	-6640 Jun 29 j 12:48	1° δ 32'44		max. Earth dist.	-6634 Jun 26 j 10:36	14° δ 04'04	31.18785 AU
retrograde	-6640 Sep 23 j 22:56	3° δ 24'41					
opposition	-6640 Dec 10 j 01:06	2° δ 02'27	-0°17'29	conjunction	-6634 Jun 27 j 12:35	14° δ 06'29	0°14'05
min. Earth dist.	-6640 Dec 11 j 00:56	2° δ 00'48	29.13981 AU	minimum elong	-6634 Jun 27 j 12:34	14° δ 06'29	0°14'21
direct	-6639 Feb 28 j 20:29	0° δ 36'53		behind sun begin	-6634 Jun 27 j 09:36	14° δ 06'13	
evening set	-6639 May 31 j 02:12	2° δ 33'37		behind sun end	-6634 Jun 27 j 15:33	14° δ 06'44	
max. Earth dist.	-6639 Jun 15 j 00:51	3° δ 06'41	31.14271 AU	morning rise	-6634 Jul 13 j 06:42	14° δ 41'28	
					-6634 Jul 21 j 22:11	15° δ	
conjunction	-6639 Jun 16 j 03:07	3° δ 09'08	-0°13'35	retrograde	-6634 Oct 07 j 14:44	16° δ 33'16	
minimum elong	-6639 Jun 16 j 03:07	3° δ 09'08	0°13'22	opposition	-6634 Dec 23 j 18:22	15° δ 11'22	0°17'54
behind sun begin	-6639 Jun 15 j 23:26	3° δ 08'48		min. Earth dist.	-6634 Dec 24 j 18:16	15° δ 09'43	29.19308 AU
behind sun end	-6639 Jun 16 j 06:47	3° δ 09'27			-6634 Dec 30 j 15:36	15° δ	
morning rise	-6639 Jul 02 j 00:10	3° δ 44'19		direct	-6633 Mar 14 j 20:57	13° δ 46'04	
retrograde	-6639 Sep 26 j 09:21	5° δ 36'12			-6633 May 24 j 07:40	15° δ	
opposition	-6639 Dec 12 j 11:51	4° δ 13'59	-0°11'36	evening set	-6633 Jun 14 j 02:16	15° δ 42'52	
min. Earth dist.	-6639 Dec 13 j 10:49	4° δ 12'23	29.14650 AU				
direct	-6638 Mar 03 j 08:01	2° δ 48'25		conjunction	-6633 Jun 29 j 23:57	16° δ 18'09	0°19'34
evening set	-6638 Jun 02 j 14:11	4° δ 45'06		minimum elong	-6633 Jun 29 j 23:57	16° δ 18'09	0°19'52
				max. Earth dist.	-6633 Jun 28 j 22:31	16° δ 15'47	31.19731 AU
conjunction	-6638 Jun 18 j 14:44	5° δ 20'35	-0°08'06	morning rise	-6633 Jul 15 j 17:24	16° δ 53'07	
minimum elong	-6638 Jun 18 j 14:44	5° δ 20'35	0°07'53	retrograde	-6633 Oct 09 j 23:51	18° δ 44'55	
behind sun begin	-6638 Jun 18 j 08:53	5° δ 20'04		opposition	-6633 Dec 26 j 05:34	17° δ 23'04	0°23'45
behind sun end	-6638 Jun 18 j 20:35	5° δ 21'07		min. Earth dist.	-6633 Dec 27 j 05:44	17° δ 21'24	29.20196 AU
max. Earth dist.	-6638 Jun 17 j 13:27	5° δ 18'14	31.14988 AU	direct	-6632 Mar 16 j 10:19	15° δ 57'50	
morning rise	-6638 Jul 04 j 11:05	5° δ 55'44		evening set	-6632 Jun 15 j 14:17	17° δ 54'38	
retrograde	-6638 Sep 28 j 18:09	7° δ 47'35		max. Earth dist.	-6632 Jun 30 j 08:24	18° δ 27'23	31.20561 AU
opposition	-6638 Dec 14 j 22:45	6° δ 25'23	-0°05'42				
min. Earth dist.	-6638 Dec 15 j 22:36	6° δ 23'44	29.15429 AU	conjunction	-6632 Jul 01 j 11:10	18° δ 29'53	0°25'02
direct	-6637 Mar 05 j 19:53	4° δ 59'51		minimum elong	-6632 Jul 01 j 11:10	18° δ 29'53	0°25'19
evening set	-6637 Jun 05 j 02:22	6° δ 56'32		morning rise	-6632 Jul 17 j 04:06	19° δ 04'48	
max. Earth dist.	-6637 Jun 20 j 00:24	7° δ 29'35	31.15835 AU	retrograde	-6632 Oct 11 j 10:41	20° δ 56'35	
				opposition	-6632 Dec 27 j 16:47	19° δ 34'48	0°29'34

Attention, astronomical year style is used: The year -6632 in astronomical counting style is the year 6633 BCE in historical counting style.

min. Earth dist.	-6632 Dec 28 j 16:56	19° 8 33'08	29.20975 AU	conjunction	-6625 Jul 17 j 14:31	3° II 48'52	1°01'41
direct	-6631 Mar 18 j 22:04	18° 8 09'35		minimum elong	-6625 Jul 17 j 14:30	3° II 48'52	1°02'04
evening set	-6631 Jun 18 j 02:03	20° 8 06'22		max. Earth dist.	-6625 Jul 16 j 12:58	3° II 46'28	31.24241 AU
				morning rise	-6625 Aug 02 j 02:58	4° II 23'27	
conjunction	-6631 Jul 03 j 22:27	20° 8 41'35	0°30'27	retrograde	-6625 Oct 27 j 08:25	6° II 15'13	
minimum elong	-6631 Jul 03 j 22:27	20° 8 41'35	0°30'46	opposition	-6624 Jan 13 j 00:29	4° II 53'23	1°08'30
max. Earth dist.	-6631 Jul 02 j 20:35	20° 8 39'11	31.21270 AU	min. Earth dist.	-6624 Jan 14 j 00:08	4° II 51'46	29.24633 AU
morning rise	-6631 Jul 19 j 14:36	21° 8 16'27		direct	-6624 Apr 03 j 10:17	3° II 28'16	
retrograde	-6631 Oct 13 j 19:47	23° 8 08'14		evening set	-6624 Jul 03 j 09:12	5° II 24'46	
opposition	-6631 Dec 30 j 04:12	21° 8 46'28	0°35'20	max. Earth dist.	-6624 Jul 18 j 00:39	5° II 57'22	31.24900 AU
min. Earth dist.	-6631 Dec 31 j 05:14	21° 8 44'45	29.21623 AU				
direct	-6630 Mar 21 j 10:25	20° 8 21'18		conjunction	-6624 Jul 19 j 00:51	5° II 59'38	1°06'37
evening set	-6630 Jun 20 j 13:43	22° 8 18'03		minimum elong	-6624 Jul 19 j 00:51	5° II 59'38	1°07'00
max. Earth dist.	-6630 Jul 05 j 06:20	22° 8 50'41	31.21862 AU	morning rise	-6624 Aug 03 j 12:34	6° II 34'11	
				retrograde	-6624 Oct 28 j 17:37	8° II 25'59	
conjunction	-6630 Jul 06 j 09:19	22° 8 53'12	0°35'49	opposition	-6623 Jan 14 j 12:06	7° II 04'11	1°13'44
minimum elong	-6630 Jul 06 j 09:19	22° 8 53'12	0°36'08	min. Earth dist.	-6623 Jan 15 j 11:18	7° II 02'36	29.25322 AU
morning rise	-6630 Jul 22 j 01:02	23° 8 28'02		direct	-6623 Apr 05 j 23:29	5° II 39'08	
retrograde	-6630 Oct 16 j 05:50	25° 8 19'48		evening set	-6623 Jul 05 j 20:15	7° II 35'37	
opposition	-6629 Jan 01 j 15:28	23° 8 58'02	0°41'03	max. Earth dist.	-6623 Jul 20 j 10:17	8° II 08'07	31.25619 AU
min. Earth dist.	-6629 Jan 02 j 15:45	23° 8 56'22	29.22164 AU				
direct	-6629 Mar 23 j 22:21	22° 8 32'52		conjunction	-6623 Jul 21 j 11:03	8° II 10'26	1°11'27
evening set	-6629 Jun 23 j 01:15	24° 8 29'34		minimum elong	-6623 Jul 21 j 11:02	8° II 10'26	1°11'51
				morning rise	-6623 Aug 05 j 22:15	8° II 44'56	
conjunction	-6629 Jul 08 j 20:21	25° 8 04'42	0°41'08	retrograde	-6623 Oct 31 j 05:13	10° II 36'48	
minimum elong	-6629 Jul 08 j 20:21	25° 8 04'42	0°41'28	opposition	-6622 Jan 16 j 23:44	9° II 15'02	1°18'51
max. Earth dist.	-6629 Jul 07 j 18:08	25° 8 02'15	31.22347 AU	min. Earth dist.	-6622 Jan 17 j 22:14	9° II 13'30	29.26068 AU
morning rise	-6629 Jul 24 j 11:17	25° 8 39'29		direct	-6622 Apr 08 j 11:28	7° II 50'03	
retrograde	-6629 Oct 18 j 14:01	27° 8 31'14		evening set	-6622 Jul 08 j 06:57	9° II 46'32	
opposition	-6628 Jan 04 j 02:46	26° 8 09'27	0°46'42				
min. Earth dist.	-6628 Jan 05 j 04:08	26° 8 07'42	29.22618 AU	conjunction	-6622 Jul 23 j 21:14	10° II 21'18	1°16'11
direct	-6628 Mar 25 j 09:54	24° 8 44'17		minimum elong	-6622 Jul 23 j 21:14	10° II 21'18	1°16'35
evening set	-6628 Jun 24 j 12:47	26° 8 40'56		max. Earth dist.	-6622 Jul 22 j 22:00	10° II 19'07	31.26351 AU
max. Earth dist.	-6628 Jul 09 j 04:25	27° 8 13'30	31.22782 AU	morning rise	-6622 Aug 08 j 07:41	10° II 55'46	
				retrograde	-6622 Nov 02 j 14:39	12° II 47'41	
conjunction	-6628 Jul 10 j 07:06	27° 8 16'00	0°46'23	opposition	-6621 Jan 19 j 11:33	11° II 25'58	1°23'51
minimum elong	-6628 Jul 10 j 07:05	27° 8 16'00	0°46'43	min. Earth dist.	-6621 Jan 20 j 10:33	11° II 24'24	29.26781 AU
morning rise	-6628 Jul 25 j 21:31	27° 8 50'44		direct	-6621 Apr 11 j 00:09	10° II 01'04	
retrograde	-6628 Oct 20 j 00:23	29° 8 42'28		evening set	-6621 Jul 10 j 17:57	11° II 57'32	
opposition	-6627 Jan 05 j 14:07	28° 8 20'40	0°52'17	max. Earth dist.	-6621 Jul 25 j 07:24	12° II 30'00	31.27030 AU
min. Earth dist.	-6627 Jan 06 j 14:22	28° 8 19'00	29.23041 AU				
direct	-6627 Mar 27 j 21:36	26° 8 55'29		conjunction	-6621 Jul 26 j 07:21	12° II 32'15	1°20'49
evening set	-6627 Jun 26 j 23:58	28° 8 52'06		minimum elong	-6621 Jul 26 j 07:21	12° II 32'15	1°21'14
				morning rise	-6621 Aug 10 j 17:19	13° II 06'40	
conjunction	-6627 Jul 12 j 17:39	29° 8 27'06	0°51'34	retrograde	-6621 Nov 05 j 01:07	14° II 58'40	
minimum elong	-6627 Jul 12 j 17:38	29° 8 27'06	0°51'56	opposition	-6620 Jan 21 j 23:13	13° II 36'58	1°28'44
max. Earth dist.	-6627 Jul 11 j 15:30	29° 8 24'40	31.23200 AU	min. Earth dist.	-6620 Jan 22 j 21:11	13° II 35'29	29.27421 AU
	-6627 Jul 27 j 11:36	0° II		direct	-6620 Apr 12 j 11:50	12° II 12'08	
morning rise	-6627 Jul 28 j 07:20	0° II 01'48		evening set	-6620 Jul 12 j 04:48	14° II 08'35	
retrograde	-6627 Oct 22 j 10:18	1° II 53'32					
opposition	-6626 Jan 08 j 01:40	0° II 31'43	0°57'47	conjunction	-6620 Jul 27 j 17:38	14° II 43'16	1°25'20
min. Earth dist.	-6626 Jan 09 j 02:32	0° II 30'00	29.23494 AU	minimum elong	-6620 Jul 27 j 17:37	14° II 43'16	1°25'44
	-6626 Jan 27 j 19:19	30° 8		max. Earth dist.	-6620 Jul 26 j 18:38	14° II 41'06	31.27600 AU
direct	-6626 Mar 30 j 08:58	29° 8 06'32		morning rise	-6620 Aug 12 j 02:47	15° II 17'39	
	-6626 May 28 j 14:08	0° II		retrograde	-6620 Nov 06 j 10:04	17° II 09'43	
evening set	-6626 Jun 29 j 11:08	1° II 03'05		opposition	-6619 Jan 23 j 11:20	15° II 48'02	1°33'29
max. Earth dist.	-6626 Jul 14 j 02:41	1° II 35'40	31.23682 AU	min. Earth dist.	-6619 Jan 24 j 10:08	15° II 46'29	29.27938 AU
				direct	-6619 Apr 14 j 23:09	14° II 23'16	
conjunction	-6626 Jul 15 j 04:07	1° II 38'03	0°56'40	evening set	-6619 Jul 14 j 15:35	16° II 19'41	
minimum elong	-6626 Jul 15 j 04:07	1° II 38'03	0°57'01	max. Earth dist.	-6619 Jul 29 j 04:20	16° II 52'07	31.28045 AU
morning rise	-6626 Jul 30 j 17:11	2° II 12'41					
retrograde	-6626 Oct 24 j 21:01	4° II 04'25		conjunction	-6619 Jul 30 j 03:36	16° II 54'19	1°29'43
opposition	-6625 Jan 10 j 12:58	2° II 42'35	1°03'11	minimum elong	-6619 Jul 30 j 03:36	16° II 54'19	1°30'07
min. Earth dist.	-6625 Jan 11 j 12:46	2° II 40'58	29.24013 AU	morning rise	-6619 Aug 14 j 12:15	17° II 28'39	
direct	-6625 Apr 01 j 22:53	1° II 17'26		retrograde	-6619 Nov 08 j 20:43	19° II 20'48	
evening set	-6625 Jul 01 j 22:16	3° II 13'57		opposition	-6618 Jan 25 j 23:20	17° II 59'07	1°38'06
				min. Earth dist.	-6618 Jan 26 j 20:56	17° II 57'39	29.28311 AU

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Attention, astronomical year style is used: The year -6618 in astronomical counting style is the year 6619 BCE in historical counting style.

direct	-6618 Apr 17 j 10:41	16° Π 34'23		conjunction	-6612 Aug 13 j 23:26	2° Θ 09'35	1°56'25
evening set	-6618 Jul 17 j 02:19	18° Π 30'46		minimum elong	-6612 Aug 13 j 23:25	2° Θ 09'35	1°56'51
				max. Earth dist.	-6612 Aug 13 j 03:56	2° Θ 07'45	31.28727 AU
conjunction	-6618 Aug 01 j 13:42	19° Π 05'21	1°33'58	morning rise	-6612 Aug 29 j 04:12	2° Θ 43'40	
minimum elong	-6618 Aug 01 j 13:41	19° Π 05'21	1°34'22	retrograde	-6612 Nov 23 j 22:24	4° Θ 36'18	
max. Earth dist.	-6618 Jul 31 j 14:40	19° Π 03'11	31.28333 AU	opposition	-6611 Feb 10 j 12:08	3° Θ 14'23	2°06'05
morning rise	-6618 Aug 16 j 21:42	19° Π 39'39		min. Earth dist.	-6611 Feb 11 j 05:45	3° Θ 13'12	29.28978 AU
retrograde	-6618 Nov 11 j 07:02	21° Π 31'52		direct	-6611 May 03 j 00:42	1° Θ 49'51	
opposition	-6617 Jan 28 j 11:18	20° Π 10'10	1°42'34	evening set	-6611 Aug 01 j 01:47	3° Θ 45'51	
min. Earth dist.	-6617 Jan 29 j 09:43	20° Π 08'39	29.28543 AU				
direct	-6617 Apr 19 j 21:43	18° Π 45'28		conjunction	-6611 Aug 16 j 08:44	4° Θ 20'07	1°59'36
evening set	-6617 Jul 19 j 12:58	20° Π 41'48		minimum elong	-6611 Aug 16 j 08:44	4° Θ 20'07	2°00'02
				max. Earth dist.	-6611 Aug 15 j 14:51	4° Θ 18'26	31.28954 AU
conjunction	-6617 Aug 03 j 23:43	21° Π 16'20	1°38'05	morning rise	-6611 Aug 31 j 12:55	4° Θ 54'10	
minimum elong	-6617 Aug 03 j 23:42	21° Π 16'20	1°38'31	retrograde	-6611 Nov 26 j 07:18	6° Θ 46'56	
max. Earth dist.	-6617 Aug 03 j 01:16	21° Π 14'13	31.28494 AU	opposition	-6610 Feb 13 j 00:34	5° Θ 25'00	2°09'24
morning rise	-6617 Aug 19 j 07:07	21° Π 50'35		min. Earth dist.	-6610 Feb 13 j 18:20	5° Θ 23'48	29.29242 AU
retrograde	-6617 Nov 13 j 17:51	23° Π 42'51		direct	-6610 May 05 j 12:08	4° Θ 00'33	
opposition	-6616 Jan 30 j 23:21	22° Π 21'08	1°46'54	evening set	-6610 Aug 03 j 11:43	5° Θ 56'30	
min. Earth dist.	-6616 Jan 31 j 20:51	22° Π 19'40	29.28638 AU				
direct	-6616 Apr 21 j 11:07	20° Π 56'27		conjunction	-6610 Aug 18 j 18:02	6° Θ 30'44	2°02'37
evening set	-6616 Jul 20 j 23:26	22° Π 52'43		minimum elong	-6610 Aug 18 j 18:02	6° Θ 30'44	2°03'03
max. Earth dist.	-6616 Aug 04 j 10:46	23° Π 25'04	31.28534 AU	max. Earth dist.	-6610 Aug 18 j 00:36	6° Θ 29'06	31.29237 AU
				morning rise	-6610 Sep 02 j 21:51	7° Θ 04'46	
conjunction	-6616 Aug 05 j 09:26	23° Π 27'12	1°42'03	retrograde	-6610 Nov 28 j 18:00	8° Θ 57'38	
minimum elong	-6616 Aug 05 j 09:25	23° Π 27'12	1°42'29	opposition	-6609 Feb 15 j 12:42	7° Θ 35'43	2°12'31
morning rise	-6616 Aug 20 j 16:19	24° Π 01'25		min. Earth dist.	-6609 Feb 16 j 04:47	7° Θ 34'38	29.29525 AU
retrograde	-6616 Nov 15 j 05:25	25° Π 53'46		direct	-6609 May 07 j 23:23	6° Θ 11'21	
opposition	-6615 Feb 01 j 11:30	24° Π 31'59	1°51'04	evening set	-6609 Aug 05 j 21:38	8° Θ 07'16	
min. Earth dist.	-6615 Feb 02 j 08:51	24° Π 30'32	29.28658 AU	max. Earth dist.	-6609 Aug 20 j 10:35	8° Θ 39'52	31.29499 AU
direct	-6615 Apr 23 j 22:10	23° Π 07'18					
evening set	-6615 Jul 23 j 09:42	25° Π 03'31		conjunction	-6609 Aug 21 j 03:23	8° Θ 41'28	2°05'27
				minimum elong	-6609 Aug 21 j 03:23	8° Θ 41'28	2°05'54
conjunction	-6615 Aug 07 j 19:10	25° Π 37'57	1°45'53	morning rise	-6609 Sep 05 j 06:43	9° Θ 15'28	
minimum elong	-6615 Aug 07 j 19:10	25° Π 37'57	1°46'19	retrograde	-6609 Dec 01 j 04:30	11° Θ 08'28	
max. Earth dist.	-6615 Aug 06 j 22:01	25° Π 35'58	31.28528 AU	opposition	-6608 Feb 18 j 01:16	9° Θ 46'32	2°15'28
morning rise	-6615 Aug 23 j 01:24	26° Π 12'08		min. Earth dist.	-6608 Feb 18 j 17:40	9° Θ 45'26	29.29777 AU
retrograde	-6615 Nov 17 j 14:47	28° Π 04'32		direct	-6608 May 09 j 09:55	8° Θ 22'15	
opposition	-6614 Feb 03 j 23:38	26° Π 42'42	1°55'05	evening set	-6608 Aug 07 j 07:25	10° Θ 18'07	
min. Earth dist.	-6614 Feb 04 j 20:23	26° Π 41'17	29.28648 AU				
direct	-6614 Apr 26 j 11:29	25° Π 18'02		conjunction	-6608 Aug 22 j 12:39	10° Θ 52'16	2°08'07
evening set	-6614 Jul 25 j 19:52	27° Π 14'11		minimum elong	-6608 Aug 22 j 12:39	10° Θ 52'16	2°08'32
max. Earth dist.	-6614 Aug 09 j 07:06	27° Π 46'33	31.28525 AU	max. Earth dist.	-6608 Aug 21 j 21:01	10° Θ 50'48	31.29711 AU
				morning rise	-6608 Sep 06 j 15:31	11° Θ 26'15	
conjunction	-6614 Aug 10 j 04:33	27° Π 48'34	1°49'33	retrograde	-6608 Dec 02 j 15:15	13° Θ 19'23	
minimum elong	-6614 Aug 10 j 04:33	27° Π 48'34	1°49'59	opposition	-6607 Feb 19 j 13:52	11° Θ 57'26	2°18'12
morning rise	-6614 Aug 25 j 10:25	28° Π 22'43		min. Earth dist.	-6607 Feb 20 j 05:02	11° Θ 56'25	29.29938 AU
	-6614 Oct 21 j 03:25	0° Θ		direct	-6607 May 11 j 22:01	10° Θ 33'13	
retrograde	-6614 Nov 20 j 02:34	0° Θ 15'10		evening set	-6607 Aug 09 j 17:21	12° Θ 29'02	
	-6614 Dec 20 j 16:46	30° κ Π					
opposition	-6613 Feb 06 j 11:43	28° Π 53'18	1°58'55	conjunction	-6607 Aug 24 j 21:58	13° Θ 03'09	2°10'35
min. Earth dist.	-6613 Feb 07 j 07:20	28° Π 51'58	29.28681 AU	minimum elong	-6607 Aug 24 j 21:58	13° Θ 03'09	2°11'01
direct	-6613 Apr 29 j 00:02	27° Π 28'39		max. Earth dist.	-6607 Aug 24 j 06:09	13° Θ 01'40	31.29811 AU
evening set	-6613 Jul 28 j 05:53	29° Π 24'45		morning rise	-6607 Sep 09 j 00:31	13° Θ 37'06	
				retrograde	-6607 Dec 05 j 03:21	15° Θ 30'21	
conjunction	-6613 Aug 12 j 14:05	29° Π 59'06	1°53'04	opposition	-6606 Feb 22 j 02:28	14° Θ 08'23	2°20'45
minimum elong	-6613 Aug 12 j 14:04	29° Π 59'06	1°53'30	min. Earth dist.	-6606 Feb 22 j 17:25	14° Θ 07'22	29.29995 AU
max. Earth dist.	-6613 Aug 11 j 18:33	29° Π 57'15	31.28578 AU	direct	-6606 May 14 j 07:44	12° Θ 44'12	
	-6613 Aug 12 j 23:43	0° Θ		evening set	-6606 Aug 12 j 03:03	14° Θ 39'57	
morning rise	-6613 Aug 27 j 19:13	0° Θ 33'12					
retrograde	-6613 Nov 22 j 12:07	2° Θ 25'45		conjunction	-6606 Aug 27 j 07:20	15° Θ 14'02	2°12'52
opposition	-6612 Feb 08 j 23:55	1° Θ 03'50	2°02'35	minimum elong	-6606 Aug 27 j 07:20	15° Θ 14'02	2°13'18
min. Earth dist.	-6612 Feb 09 j 19:25	1° Θ 02'31	29.28779 AU	max. Earth dist.	-6606 Aug 26 j 16:57	15° Θ 12'41	31.29790 AU
	-6612 Mar 24 j 11:00	30° κ Π		morning rise	-6606 Sep 11 j 09:24	15° Θ 47'58	
direct	-6612 Apr 30 j 13:01	29° Π 39'15		retrograde	-6606 Dec 07 j 13:35	17° Θ 41'19	
	-6612 Jun 05 j 12:53	0° Θ		opposition	-6605 Feb 24 j 15:09	16° Θ 19'18	2°23'06
evening set	-6612 Jul 29 j 16:00	1° Θ 35'17		min. Earth dist.	-6605 Feb 25 j 05:35	16° Θ 18'20	29.29897 AU

Attention, astronomical year style is used: The year -6605 in astronomical counting style is the year 6606 BCE in historical counting style.

direct	-6605 May 16 j 21:09	14° $\mathring{\text{E}}$ 55'09		minimum elong	-6599 Sep 10 j 22:35	0° $\mathring{\text{N}}$ 27'48	2°23'50
evening set	-6605 Aug 14 j 12:53	16° $\mathring{\text{E}}$ 50'50		max. Earth dist.	-6599 Sep 10 j 14:31	0° $\mathring{\text{N}}$ 27'02	31.27818 AU
				morning rise	-6599 Sep 25 j 22:55	1° $\mathring{\text{N}}$ 01'37	
conjunction	-6605 Aug 29 j 16:32	17° $\mathring{\text{E}}$ 24'53	2°14'58	retrograde	-6599 Dec 22 j 16:06	2° $\mathring{\text{N}}$ 55'43	
minimum elong	-6605 Aug 29 j 16:31	17° $\mathring{\text{E}}$ 24'53	2°15'24	opposition	-6598 Mar 12 j 08:08	1° $\mathring{\text{N}}$ 33'14	2°33'39
max. Earth dist.	-6605 Aug 29 j 01:36	17° $\mathring{\text{E}}$ 23'29	31.29623 AU	min. Earth dist.	-6598 Mar 12 j 15:35	1° $\mathring{\text{N}}$ 32'44	29.27962 AU
morning rise	-6605 Sep 13 j 18:23	17° $\mathring{\text{E}}$ 58'47		direct	-6598 Jun 01 j 08:07	0° $\mathring{\text{N}}$ 09'19	
retrograde	-6605 Dec 10 j 02:18	19° $\mathring{\text{E}}$ 52'14		evening set	-6598 Aug 29 j 06:10	2° $\mathring{\text{N}}$ 04'24	
opposition	-6604 Feb 27 j 03:47	18° $\mathring{\text{E}}$ 30'09	2°25'14				
min. Earth dist.	-6604 Feb 27 j 17:16	18° $\mathring{\text{E}}$ 29'15	29.29672 AU	conjunction	-6598 Sep 13 j 07:24	2° $\mathring{\text{N}}$ 38'17	2°24'08
direct	-6604 May 18 j 09:11	17° $\mathring{\text{E}}$ 06'01		minimum elong	-6598 Sep 13 j 07:24	2° $\mathring{\text{N}}$ 38'17	2°24'31
evening set	-6604 Aug 15 j 22:28	19° $\mathring{\text{E}}$ 01'37		max. Earth dist.	-6598 Sep 12 j 23:34	2° $\mathring{\text{N}}$ 37'33	31.27743 AU
				morning rise	-6598 Sep 28 j 07:46	3° $\mathring{\text{N}}$ 12'07	
conjunction	-6604 Aug 31 j 01:51	19° $\mathring{\text{E}}$ 35'38	2°16'52	retrograde	-6598 Dec 25 j 04:34	5° $\mathring{\text{N}}$ 06'23	
minimum elong	-6604 Aug 31 j 01:50	19° $\mathring{\text{E}}$ 35'38	2°17'18	opposition	-6597 Mar 14 j 21:00	3° $\mathring{\text{N}}$ 43'53	2°34'17
max. Earth dist.	-6604 Aug 30 j 12:36	19° $\mathring{\text{E}}$ 34'23	31.29334 AU	min. Earth dist.	-6597 Mar 15 j 03:42	3° $\mathring{\text{N}}$ 43'26	29.27917 AU
morning rise	-6604 Sep 15 j 03:14	20° $\mathring{\text{E}}$ 09'31		direct	-6597 Jun 03 j 16:56	2° $\mathring{\text{N}}$ 20'03	
retrograde	-6604 Dec 11 j 12:19	22° $\mathring{\text{E}}$ 03'04		evening set	-6597 Aug 31 j 15:12	4° $\mathring{\text{N}}$ 15'05	
opposition	-6603 Feb 28 j 16:38	20° $\mathring{\text{E}}$ 40'54	2°27'10				
min. Earth dist.	-6603 Mar 01 j 06:07	20° $\mathring{\text{E}}$ 39'59	29.29338 AU	conjunction	-6597 Sep 15 j 16:20	4° $\mathring{\text{N}}$ 48'58	2°24'37
direct	-6603 May 20 j 22:03	19° $\mathring{\text{E}}$ 16'47		minimum elong	-6597 Sep 15 j 16:20	4° $\mathring{\text{N}}$ 48'58	2°25'01
evening set	-6603 Aug 18 j 07:56	21° $\mathring{\text{E}}$ 12'16		max. Earth dist.	-6597 Sep 15 j 10:31	4° $\mathring{\text{N}}$ 48'25	31.27703 AU
				morning rise	-6597 Sep 30 j 16:26	5° $\mathring{\text{N}}$ 22'47	
conjunction	-6603 Sep 02 j 10:47	21° $\mathring{\text{E}}$ 46'15	2°18'35	retrograde	-6597 Dec 27 j 15:28	7° $\mathring{\text{N}}$ 17'13	
minimum elong	-6603 Sep 02 j 10:47	21° $\mathring{\text{E}}$ 46'15	2°19'01	opposition	-6596 Mar 16 j 09:56	5° $\mathring{\text{N}}$ 54'43	2°34'42
max. Earth dist.	-6603 Sep 01 j 21:37	21° $\mathring{\text{E}}$ 45'01	31.28972 AU	min. Earth dist.	-6596 Mar 16 j 15:41	5° $\mathring{\text{N}}$ 54'19	29.27868 AU
morning rise	-6603 Sep 17 j 12:04	22° $\mathring{\text{E}}$ 20'07		direct	-6596 Jun 05 j 05:25	4° $\mathring{\text{N}}$ 30'59	
retrograde	-6603 Dec 13 j 23:12	24° $\mathring{\text{E}}$ 13'45		evening set	-6596 Sep 02 j 00:28	6° $\mathring{\text{N}}$ 25'58	
opposition	-6602 Mar 03 j 05:17	22° $\mathring{\text{E}}$ 51'29	2°28'54				
min. Earth dist.	-6602 Mar 03 j 17:00	22° $\mathring{\text{E}}$ 50'42	29.28958 AU	conjunction	-6596 Sep 17 j 01:13	6° $\mathring{\text{N}}$ 59'50	2°24'54
direct	-6602 May 23 j 10:19	21° $\mathring{\text{E}}$ 27'23		minimum elong	-6596 Sep 17 j 01:13	6° $\mathring{\text{N}}$ 59'50	2°25'17
evening set	-6602 Aug 20 j 17:18	23° $\mathring{\text{E}}$ 22'46		max. Earth dist.	-6596 Sep 16 j 19:16	6° $\mathring{\text{N}}$ 59'16	31.27648 AU
				morning rise	-6596 Oct 02 j 01:25	7° $\mathring{\text{N}}$ 33'40	
conjunction	-6602 Sep 04 j 19:52	23° $\mathring{\text{E}}$ 56'44	2°20'06	retrograde	-6596 Dec 29 j 05:28	9° $\mathring{\text{N}}$ 28'15	
minimum elong	-6602 Sep 04 j 19:52	23° $\mathring{\text{E}}$ 56'44	2°20'30	opposition	-6595 Mar 18 j 22:58	8° $\mathring{\text{N}}$ 05'44	2°34'54
max. Earth dist.	-6602 Sep 04 j 08:09	23° $\mathring{\text{E}}$ 55'37	31.28577 AU	min. Earth dist.	-6595 Mar 19 j 03:27	8° $\mathring{\text{N}}$ 05'26	29.27793 AU
morning rise	-6602 Sep 19 j 20:48	24° $\mathring{\text{E}}$ 30'35		direct	-6595 Jun 07 j 16:14	6° $\mathring{\text{N}}$ 42'06	
retrograde	-6602 Dec 16 j 08:30	26° $\mathring{\text{E}}$ 24'18		evening set	-6595 Sep 04 j 09:31	8° $\mathring{\text{N}}$ 37'01	
opposition	-6601 Mar 05 j 17:55	25° $\mathring{\text{E}}$ 01'57	2°30'25				
min. Earth dist.	-6601 Mar 06 j 05:41	25° $\mathring{\text{E}}$ 01'10	29.28583 AU	conjunction	-6595 Sep 19 j 10:16	9° $\mathring{\text{N}}$ 10'53	2°24'59
direct	-6601 May 25 j 22:30	23° $\mathring{\text{E}}$ 37'52		minimum elong	-6595 Sep 19 j 10:16	9° $\mathring{\text{N}}$ 10'53	2°25'21
evening set	-6601 Aug 23 j 02:39	25° $\mathring{\text{E}}$ 33'09		max. Earth dist.	-6595 Sep 19 j 06:07	9° $\mathring{\text{N}}$ 10'30	31.27524 AU
				morning rise	-6595 Oct 04 j 10:18	9° $\mathring{\text{N}}$ 44'44	
conjunction	-6601 Sep 07 j 04:48	26° $\mathring{\text{E}}$ 07'06	2°21'25	retrograde	-6595 Dec 31 j 16:34	11° $\mathring{\text{N}}$ 39'28	
minimum elong	-6601 Sep 07 j 04:48	26° $\mathring{\text{E}}$ 07'06	2°21'49	opposition	-6594 Mar 21 j 12:07	10° $\mathring{\text{N}}$ 16'55	2°34'52
max. Earth dist.	-6601 Sep 06 j 17:58	26° $\mathring{\text{E}}$ 06'04	31.28233 AU	min. Earth dist.	-6594 Mar 21 j 16:36	10° $\mathring{\text{N}}$ 16'37	29.27616 AU
morning rise	-6601 Sep 22 j 05:33	26° $\mathring{\text{E}}$ 40'56		direct	-6594 Jun 10 j 03:58	8° $\mathring{\text{N}}$ 53'22	
retrograde	-6601 Dec 18 j 19:06	28° $\mathring{\text{E}}$ 34'45		evening set	-6594 Sep 06 j 18:51	10° $\mathring{\text{N}}$ 48'13	
opposition	-6600 Mar 07 j 06:36	27° $\mathring{\text{E}}$ 12'21	2°31'42				
min. Earth dist.	-6600 Mar 07 j 16:08	27° $\mathring{\text{E}}$ 11'42	29.28277 AU	conjunction	-6594 Sep 21 j 19:20	11° $\mathring{\text{N}}$ 22'05	2°24'51
direct	-6600 May 27 j 10:33	25° $\mathring{\text{E}}$ 48'18		minimum elong	-6594 Sep 21 j 19:20	11° $\mathring{\text{N}}$ 22'05	2°25'11
evening set	-6600 Aug 24 j 11:50	27° $\mathring{\text{E}}$ 43'30		max. Earth dist.	-6594 Sep 21 j 15:10	11° $\mathring{\text{N}}$ 21'42	31.27292 AU
				morning rise	-6594 Oct 06 j 19:29	11° $\mathring{\text{N}}$ 55'56	
conjunction	-6600 Sep 08 j 13:38	28° $\mathring{\text{E}}$ 17'25	2°22'31	retrograde	-6593 Jan 03 j 04:38	13° $\mathring{\text{N}}$ 50'49	
minimum elong	-6600 Sep 08 j 13:37	28° $\mathring{\text{E}}$ 17'25	2°22'55	opposition	-6593 Mar 24 j 01:02	12° $\mathring{\text{N}}$ 28'13	2°34'37
max. Earth dist.	-6600 Sep 08 j 03:46	28° $\mathring{\text{E}}$ 16'29	31.27968 AU	min. Earth dist.	-6593 Mar 24 j 03:55	12° $\mathring{\text{N}}$ 28'02	29.27314 AU
morning rise	-6600 Sep 23 j 14:11	28° $\mathring{\text{E}}$ 51'15		direct	-6593 Jun 12 j 16:04	11° $\mathring{\text{N}}$ 04'44	
	-6600 Oct 28 j 11:38	0° $\mathring{\text{N}}$		evening set	-6593 Sep 09 j 04:05	12° $\mathring{\text{N}}$ 59'30	
retrograde	-6600 Dec 20 j 05:32	0° $\mathring{\text{N}}$ 45'12					
	-6599 Feb 13 j 22:02	30° $\mathring{\text{R}}$ $\mathring{\text{E}}$		conjunction	-6593 Sep 24 j 04:32	13° $\mathring{\text{N}}$ 33'23	2°24'31
opposition	-6599 Mar 09 j 19:30	29° $\mathring{\text{E}}$ 22'45	2°32'47	minimum elong	-6593 Sep 24 j 04:32	13° $\mathring{\text{N}}$ 33'23	2°24'51
min. Earth dist.	-6599 Mar 10 j 04:43	29° $\mathring{\text{E}}$ 22'08	29.28075 AU	max. Earth dist.	-6593 Sep 24 j 01:23	13° $\mathring{\text{N}}$ 33'05	31.26913 AU
direct	-6599 May 29 j 20:52	27° $\mathring{\text{E}}$ 58'46		morning rise	-6593 Oct 09 j 04:38	14° $\mathring{\text{N}}$ 07'14	
evening set	-6599 Aug 26 j 20:59	29° $\mathring{\text{E}}$ 53'53			-6593 Nov 03 j 19:44	15° $\mathring{\text{N}}$	
	-6599 Aug 29 j 15:04	0° $\mathring{\text{N}}$		retrograde	-6592 Jan 05 j 15:33	16° $\mathring{\text{N}}$ 02'14	
					-6592 Mar 12 j 19:26	15° $\mathring{\text{R}}$ $\mathring{\text{N}}$	
conjunction	-6599 Sep 10 j 22:35	0° $\mathring{\text{N}}$ 27'48	2°23'26	opposition	-6592 Mar 25 j 14:21	14° $\mathring{\text{N}}$ 39'35	2°34'08

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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.

min. Earth dist.	-6592 Mar 25 j 17:31	14° Ω 39'22	29.26865 AU	max. Earth dist.	-6586 Oct 08 j 23:50	28° Ω 51'15	31.22602 AU
direct	-6592 Jun 14 j 04:42	13° Ω 16'08		morning rise	-6586 Oct 23 j 20:57	29° Ω 24'50	
	-6592 Sep 05 j 14:58	15° Ω			-6586 Nov 09 j 09:34	0° Υ	
evening set	-6592 Sep 10 j 13:11	15° Ω 10'48		retrograde	-6585 Jan 20 j 22:31	1° Υ 20'38	
					-6585 Apr 09 j 18:50	30° \mathcal{R} Ω	
conjunction	-6592 Sep 25 j 13:34	15° Ω 44'40	2°23'58	opposition	-6585 Apr 11 j 10:00	29° Ω 57'22	2°24'44
minimum elong	-6592 Sep 25 j 13:34	15° Ω 44'40	2°24'18	min. Earth dist.	-6585 Apr 11 j 05:43	29° Ω 57'39	29.22548 AU
max. Earth dist.	-6592 Sep 25 j 11:07	15° Ω 44'26	31.26402 AU	direct	-6585 Jun 30 j 10:44	28° Ω 34'06	
morning rise	-6592 Oct 10 j 13:46	16° Ω 18'32			-6585 Sep 13 j 02:56	0° Υ	
retrograde	-6591 Jan 07 j 03:06	18° Ω 13'40		evening set	-6585 Sep 26 j 03:55	0° Υ 28'00	
opposition	-6591 Mar 28 j 03:30	16° Ω 50'55	2°33'27				
min. Earth dist.	-6591 Mar 28 j 04:49	16° Ω 50'50	29.26279 AU	conjunction	-6585 Oct 11 j 04:41	1° Υ 01'55	2°14'27
direct	-6591 Jun 16 j 17:29	15° Ω 27'30		minimum elong	-6585 Oct 11 j 04:42	1° Υ 01'55	2°14'43
evening set	-6591 Sep 12 j 22:21	17° Ω 22'03		max. Earth dist.	-6585 Oct 11 j 09:26	1° Υ 02'22	31.22175 AU
				morning rise	-6585 Oct 26 j 06:23	1° Υ 35'56	
conjunction	-6591 Sep 27 j 22:40	17° Ω 55'55	2°23'13	retrograde	-6584 Jan 23 j 11:51	3° Υ 31'51	
minimum elong	-6591 Sep 27 j 22:40	17° Ω 55'55	2°23'33	opposition	-6584 Apr 12 j 23:06	2° Υ 08'33	2°22'32
max. Earth dist.	-6591 Sep 27 j 20:38	17° Ω 55'43	31.25760 AU	min. Earth dist.	-6584 Apr 12 j 16:50	2° Υ 08'58	29.22129 AU
morning rise	-6591 Oct 12 j 23:03	18° Ω 29'48		direct	-6584 Jul 01 j 22:20	0° Υ 45'22	
retrograde	-6590 Jan 09 j 13:11	20° Ω 25'01		evening set	-6584 Sep 27 j 12:45	2° Υ 39'12	
opposition	-6590 Mar 30 j 16:36	19° Ω 02'11	2°32'32				
min. Earth dist.	-6590 Mar 30 j 18:05	19° Ω 02'05	29.25600 AU	conjunction	-6584 Oct 12 j 13:45	3° Υ 13'08	2°12'18
direct	-6590 Jun 19 j 04:10	17° Ω 38'46		minimum elong	-6584 Oct 12 j 13:45	3° Υ 13'08	2°12'31
evening set	-6590 Sep 15 j 07:19	19° Ω 33'11		max. Earth dist.	-6584 Oct 12 j 19:44	3° Υ 13'42	31.21756 AU
				morning rise	-6584 Oct 27 j 15:45	3° Υ 47'11	
conjunction	-6590 Sep 30 j 07:45	20° Ω 07'03	2°22'16	retrograde	-6583 Jan 25 j 00:04	5° Υ 43'15	
minimum elong	-6590 Sep 30 j 07:45	20° Ω 07'03	2°22'34	opposition	-6583 Apr 15 j 12:25	4° Υ 19'54	2°20'07
max. Earth dist.	-6590 Sep 30 j 07:23	20° Ω 07'01	31.25056 AU	min. Earth dist.	-6583 Apr 15 j 06:15	4° Υ 20'19	29.21699 AU
morning rise	-6590 Oct 15 j 08:11	20° Ω 40'57		direct	-6583 Jul 04 j 10:08	2° Υ 56'48	
retrograde	-6589 Jan 11 j 23:03	22° Ω 36'16		evening set	-6583 Sep 29 j 21:50	4° Υ 50'33	
opposition	-6589 Apr 02 j 05:39	21° Ω 13'19	2°31'25				
min. Earth dist.	-6589 Apr 02 j 05:29	21° Ω 13'20	29.24870 AU	conjunction	-6583 Oct 14 j 23:05	5° Υ 24'31	2°09'56
direct	-6589 Jun 21 j 16:17	19° Ω 49'55		minimum elong	-6583 Oct 14 j 23:05	5° Υ 24'31	2°10'09
evening set	-6589 Sep 17 j 16:17	21° Ω 44'12		max. Earth dist.	-6583 Oct 15 j 06:02	5° Υ 25'11	31.21314 AU
				morning rise	-6583 Oct 30 j 01:24	5° Υ 58'36	
conjunction	-6589 Oct 02 j 16:34	22° Ω 18'04	2°21'06	retrograde	-6582 Jan 27 j 12:29	7° Υ 54'49	
minimum elong	-6589 Oct 02 j 16:35	22° Ω 18'04	2°21'24	opposition	-6582 Apr 18 j 01:24	6° Υ 31'26	2°17'29
max. Earth dist.	-6589 Oct 02 j 16:23	22° Ω 18'03	31.24333 AU	min. Earth dist.	-6582 Apr 17 j 17:26	6° Υ 31'59	29.21211 AU
morning rise	-6589 Oct 17 j 17:18	22° Ω 51'59		direct	-6582 Jul 06 j 22:17	5° Υ 08'24	
retrograde	-6588 Jan 14 j 11:14	24° Ω 47'25		evening set	-6582 Oct 02 j 07:01	7° Υ 02'05	
opposition	-6588 Apr 03 j 18:49	23° Ω 24'21	2°30'04				
min. Earth dist.	-6588 Apr 03 j 17:49	23° Ω 24'25	29.24175 AU	conjunction	-6582 Oct 17 j 08:25	7° Υ 36'05	2°07'23
direct	-6588 Jun 23 j 01:45	22° Ω 00'57		minimum elong	-6582 Oct 17 j 08:25	7° Υ 36'05	2°07'35
evening set	-6588 Sep 19 j 01:09	23° Ω 55'08		max. Earth dist.	-6582 Oct 17 j 15:34	7° Υ 36'45	31.20778 AU
				morning rise	-6582 Nov 01 j 11:12	8° Υ 10'12	
conjunction	-6588 Oct 04 j 01:39	24° Ω 29'00	2°19'45	retrograde	-6581 Jan 29 j 23:48	10° Υ 06'34	
minimum elong	-6588 Oct 04 j 01:40	24° Ω 29'00	2°20'02	opposition	-6581 Apr 20 j 14:44	8° Υ 43'08	2°14'40
max. Earth dist.	-6588 Oct 04 j 03:40	24° Ω 29'11	31.23669 AU	min. Earth dist.	-6581 Apr 20 j 07:02	8° Υ 43'39	29.20620 AU
morning rise	-6588 Oct 19 j 02:25	25° Ω 02'56		direct	-6581 Jul 09 j 08:46	7° Υ 20'10	
retrograde	-6587 Jan 15 j 21:51	26° Ω 58'28		evening set	-6581 Oct 04 j 16:04	9° Υ 13'46	
opposition	-6587 Apr 06 j 07:55	25° Ω 35'20	2°28'31				
min. Earth dist.	-6587 Apr 06 j 05:37	25° Ω 35'29	29.23547 AU	conjunction	-6581 Oct 19 j 17:50	9° Υ 47'47	2°04'39
direct	-6587 Jun 25 j 14:05	24° Ω 11'57		minimum elong	-6581 Oct 19 j 17:51	9° Υ 47'47	2°04'51
evening set	-6587 Sep 21 j 10:04	26° Ω 06'01		max. Earth dist.	-6581 Oct 20 j 02:31	9° Υ 48'36	31.20126 AU
				morning rise	-6581 Nov 03 j 20:53	10° Υ 21'57	
conjunction	-6587 Oct 06 j 10:32	26° Ω 39'54	2°18'11	retrograde	-6580 Feb 01 j 10:36	12° Υ 18'26	
minimum elong	-6587 Oct 06 j 10:33	26° Ω 39'54	2°18'28	opposition	-6580 Apr 22 j 04:01	10° Υ 54'57	2°11'39
max. Earth dist.	-6587 Oct 06 j 12:43	26° Ω 40'07	31.23097 AU	min. Earth dist.	-6580 Apr 21 j 18:58	10° Υ 55'34	29.19885 AU
morning rise	-6587 Oct 21 j 11:43	27° Ω 13'52		direct	-6580 Jul 10 j 20:59	9° Υ 32'02	
retrograde	-6586 Jan 18 j 11:32	29° Ω 09'31		evening set	-6580 Oct 06 j 01:24	11° Υ 25'32	
opposition	-6586 Apr 08 j 20:58	27° Ω 46'18	2°26'44				
min. Earth dist.	-6586 Apr 08 j 17:05	27° Ω 46'34	29.23017 AU	conjunction	-6580 Oct 21 j 03:19	11° Υ 59'35	2°01'44
direct	-6586 Jun 27 j 23:50	26° Ω 22'59		minimum elong	-6580 Oct 21 j 03:20	11° Υ 59'35	2°01'55
evening set	-6586 Sep 23 j 18:56	28° Ω 16'57		max. Earth dist.	-6580 Oct 21 j 11:36	12° Υ 00'22	31.19328 AU
				morning rise	-6580 Nov 05 j 06:58	12° Υ 33'47	
conjunction	-6586 Oct 08 j 19:38	28° Ω 50'51	2°16'25	retrograde	-6579 Feb 02 j 23:36	14° Υ 30'25	
minimum elong	-6586 Oct 08 j 19:39	28° Ω 50'51	2°16'40	opposition	-6579 Apr 24 j 17:19	13° Υ 06'50	2°08'26

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Attention, astronomical year style is used: The year -6579 in astronomical counting style is the year 6580 BCE in historical counting style.

min. Earth dist.	-6579 Apr 24 j 08:01	13° \mathring{M} 07'28	29.19017 AU	morning rise	-6573 Nov 21 j 05:22	27° \mathring{M} 56'21	
direct	-6579 Jul 13 j 06:33	11° \mathring{M} 43'56		retrograde	-6572 Feb 19 j 14:06	29° \mathring{M} 53'40	
evening set	-6579 Oct 08 j 10:30	13° \mathring{M} 37'20		opposition	-6572 May 10 j 12:46	28° \mathring{M} 29'28	1°41'04
				min. Earth dist.	-6572 May 09 j 21:10	28° \mathring{M} 30'31	29.12365 AU
conjunction	-6579 Oct 23 j 12:56	14° \mathring{M} 11'25	1°58'39	direct	-6572 Jul 28 j 13:04	27° \mathring{M} 06'39	
minimum elong	-6579 Oct 23 j 12:57	14° \mathring{M} 11'25	1°58'49	evening set	-6572 Oct 23 j 02:40	28° \mathring{M} 59'26	
max. Earth dist.	-6579 Oct 23 j 22:51	14° \mathring{M} 12'21	31.18394 AU				
morning rise	-6579 Nov 07 j 16:54	14° \mathring{M} 45'40		conjunction	-6572 Nov 07 j 07:58	29° \mathring{M} 33'45	1°32'29
retrograde	-6578 Feb 05 j 10:22	16° \mathring{M} 42'23		minimum elong	-6572 Nov 07 j 07:59	29° \mathring{M} 33'45	1°32'32
opposition	-6578 Apr 27 j 06:31	15° \mathring{M} 18'43	2°05'03	max. Earth dist.	-6572 Nov 08 j 00:48	29° \mathring{M} 35'21	31.11933 AU
min. Earth dist.	-6578 Apr 26 j 20:29	15° \mathring{M} 19'24	29.18009 AU		-6572 Nov 18 j 22:04	0° \mathring{M}	
direct	-6578 Jul 15 j 18:51	13° \mathring{M} 55'49		morning rise	-6572 Nov 22 j 15:41	0° \mathring{M} 08'20	
evening set	-6578 Oct 10 j 19:44	15° \mathring{M} 49'07		retrograde	-6571 Feb 21 j 01:51	2° \mathring{M} 05'46	
				min. Earth dist.	-6571 May 12 j 08:31	0° \mathring{M} 42'41	29.11687 AU
conjunction	-6578 Oct 25 j 22:22	16° \mathring{M} 23'13	1°55'23	opposition	-6571 May 13 j 01:38	0° \mathring{M} 41'31	1°36'30
minimum elong	-6578 Oct 25 j 22:23	16° \mathring{M} 23'13	1°55'31		-6571 Jun 08 j 16:25	30° \mathring{R} \mathring{M}	
max. Earth dist.	-6578 Oct 26 j 08:03	16° \mathring{M} 24'08	31.17355 AU	direct	-6571 Jul 31 j 01:31	29° \mathring{M} 18'46	
morning rise	-6578 Nov 10 j 02:57	16° \mathring{M} 57'30			-6571 Sep 18 j 20:22	0° \mathring{M}	
retrograde	-6577 Feb 07 j 23:56	18° \mathring{M} 54'19		evening set	-6571 Oct 25 j 12:09	1° \mathring{M} 11'29	
opposition	-6577 Apr 29 j 19:35	17° \mathring{M} 30'33	2°01'28				
min. Earth dist.	-6577 Apr 29 j 08:26	17° \mathring{M} 31'18	29.16937 AU	conjunction	-6571 Nov 09 j 17:47	1° \mathring{M} 45'51	1°28'09
direct	-6577 Jul 18 j 04:30	16° \mathring{M} 07'38		minimum elong	-6571 Nov 09 j 17:48	1° \mathring{M} 45'51	1°28'11
evening set	-6577 Oct 13 j 04:49	18° \mathring{M} 00'50		max. Earth dist.	-6571 Nov 10 j 10:23	1° \mathring{M} 47'25	31.11274 AU
				morning rise	-6571 Nov 25 j 02:17	2° \mathring{M} 20'29	
conjunction	-6577 Oct 28 j 07:55	18° \mathring{M} 34'58	1°51'58	retrograde	-6570 Feb 23 j 15:07	4° \mathring{M} 18'02	
minimum elong	-6577 Oct 28 j 07:56	18° \mathring{M} 34'58	1°52'06	opposition	-6570 May 15 j 14:39	2° \mathring{M} 53'45	1°31'47
max. Earth dist.	-6577 Oct 28 j 19:21	18° \mathring{M} 36'03	31.16271 AU	min. Earth dist.	-6570 May 14 j 21:18	2° \mathring{M} 54'56	29.11026 AU
morning rise	-6577 Nov 12 j 12:54	19° \mathring{M} 09'17		direct	-6570 Aug 02 j 11:12	1° \mathring{M} 31'03	
retrograde	-6576 Feb 10 j 10:58	21° \mathring{M} 06'12		evening set	-6570 Oct 27 j 21:37	3° \mathring{M} 23'43	
opposition	-6576 May 01 j 08:47	19° \mathring{M} 42'19	1°57'44				
min. Earth dist.	-6576 Apr 30 j 21:20	19° \mathring{M} 43'05	29.15855 AU	conjunction	-6570 Nov 12 j 03:51	3° \mathring{M} 58'07	1°23'41
direct	-6576 Jul 19 j 15:09	18° \mathring{M} 19'24		minimum elong	-6570 Nov 12 j 03:52	3° \mathring{M} 58'07	1°23'41
evening set	-6576 Oct 14 j 13:53	20° \mathring{M} 12'29		max. Earth dist.	-6570 Nov 12 j 22:08	3° \mathring{M} 59'51	31.10594 AU
				morning rise	-6570 Nov 27 j 12:45	4° \mathring{M} 32'48	
conjunction	-6576 Oct 29 j 17:20	20° \mathring{M} 46'39	1°48'23	retrograde	-6569 Feb 26 j 01:33	6° \mathring{M} 30'28	
minimum elong	-6576 Oct 29 j 17:21	20° \mathring{M} 46'39	1°48'29	min. Earth dist.	-6569 May 17 j 09:33	5° \mathring{M} 07'22	29.10310 AU
max. Earth dist.	-6576 Oct 30 j 05:24	20° \mathring{M} 47'47	31.15228 AU	opposition	-6569 May 18 j 03:34	5° \mathring{M} 06'09	1°26'56
morning rise	-6576 Nov 13 j 22:55	21° \mathring{M} 21'01		direct	-6569 Aug 04 j 22:54	3° \mathring{M} 43'29	
retrograde	-6575 Feb 12 j 00:46	23° \mathring{M} 18'01		evening set	-6569 Oct 30 j 07:22	5° \mathring{M} 36'05	
opposition	-6575 May 03 j 21:48	21° \mathring{M} 54'02	1°53'49				
min. Earth dist.	-6575 May 03 j 08:25	21° \mathring{M} 54'56	29.14841 AU	conjunction	-6569 Nov 14 j 13:58	6° \mathring{M} 10'31	1°19'05
direct	-6575 Jul 22 j 03:02	20° \mathring{M} 31'07		minimum elong	-6569 Nov 14 j 13:59	6° \mathring{M} 10'31	1°19'04
evening set	-6575 Oct 16 j 23:06	22° \mathring{M} 24'07		max. Earth dist.	-6569 Nov 15 j 07:51	6° \mathring{M} 12'13	31.09858 AU
				morning rise	-6569 Nov 29 j 23:37	6° \mathring{M} 45'16	
conjunction	-6575 Nov 01 j 02:57	22° \mathring{M} 58'19	1°44'38	retrograde	-6568 Feb 28 j 15:10	8° \mathring{M} 43'02	
minimum elong	-6575 Nov 01 j 02:58	22° \mathring{M} 58'19	1°44'44	opposition	-6568 May 19 j 16:35	7° \mathring{M} 18'40	1°21'57
max. Earth dist.	-6575 Nov 01 j 16:08	22° \mathring{M} 59'34	31.14252 AU	min. Earth dist.	-6568 May 18 j 21:47	7° \mathring{M} 19'56	29.09528 AU
morning rise	-6575 Nov 16 j 09:03	23° \mathring{M} 32'44		direct	-6568 Aug 06 j 08:11	5° \mathring{M} 56'00	
retrograde	-6574 Feb 14 j 13:37	25° \mathring{M} 29'50		evening set	-6568 Oct 31 j 17:06	7° \mathring{M} 48'33	
opposition	-6574 May 06 j 10:44	24° \mathring{M} 05'45	1°49'43				
min. Earth dist.	-6574 May 05 j 21:19	24° \mathring{M} 06'40	29.13916 AU	conjunction	-6568 Nov 16 j 00:19	8° \mathring{M} 23'02	1°14'22
direct	-6574 Jul 24 j 14:30	22° \mathring{M} 42'52		minimum elong	-6568 Nov 16 j 00:20	8° \mathring{M} 23'03	1°14'20
evening set	-6574 Oct 19 j 08:15	24° \mathring{M} 35'47		max. Earth dist.	-6568 Nov 16 j 19:22	8° \mathring{M} 24'51	31.09017 AU
				morning rise	-6568 Dec 01 j 10:30	8° \mathring{M} 57'50	
conjunction	-6574 Nov 03 j 12:36	25° \mathring{M} 10'01	1°40'44	retrograde	-6567 Mar 02 j 02:47	10° \mathring{M} 55'42	
minimum elong	-6574 Nov 03 j 12:37	25° \mathring{M} 10'01	1°40'49	min. Earth dist.	-6567 May 21 j 11:06	9° \mathring{M} 32'31	29.08620 AU
max. Earth dist.	-6574 Nov 04 j 03:04	25° \mathring{M} 11'24	31.13392 AU	opposition	-6567 May 22 j 05:38	9° \mathring{M} 31'15	1°16'51
morning rise	-6574 Nov 18 j 19:12	25° \mathring{M} 44'29		direct	-6567 Aug 08 j 18:51	8° \mathring{M} 08'36	
retrograde	-6573 Feb 17 j 02:19	27° \mathring{M} 41'41		evening set	-6567 Nov 03 j 03:01	10° \mathring{M} 01'05	
opposition	-6573 May 08 j 23:38	26° \mathring{M} 17'33	1°45'28				
min. Earth dist.	-6573 May 08 j 08:05	26° \mathring{M} 18'36	29.13094 AU	conjunction	-6567 Nov 18 j 10:46	10° \mathring{M} 35'36	1°09'32
direct	-6573 Jul 27 j 02:27	24° \mathring{M} 54'41		minimum elong	-6567 Nov 18 j 10:47	10° \mathring{M} 35'36	1°09'30
evening set	-6573 Oct 21 j 17:25	26° \mathring{M} 47'32		max. Earth dist.	-6567 Nov 19 j 05:48	10° \mathring{M} 37'24	31.08066 AU
				morning rise	-6567 Dec 03 j 21:38	11° \mathring{M} 10'26	
conjunction	-6573 Nov 05 j 22:06	27° \mathring{M} 21'49	1°36'41	retrograde	-6566 Mar 04 j 16:48	13° \mathring{M} 08'22	
minimum elong	-6573 Nov 05 j 22:07	27° \mathring{M} 21'49	1°36'46	opposition	-6566 May 24 j 18:21	11° \mathring{M} 43'50	1°11'38
max. Earth dist.	-6573 Nov 06 j 13:03	27° \mathring{M} 23'14	31.12621 AU	min. Earth dist.	-6566 May 23 j 22:39	11° \mathring{M} 45'11	29.07605 AU

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Attention, astronomical year style is used: The year -6566 in astronomical counting style is the year 6567 BCE in historical counting style.

direct	-6566 Aug 11 j 06:15	10° <u>♂</u> 21'10		retrograde	-6559 Mar 20 j 09:38	28° <u>♂</u> 36'43	
evening set	-6566 Nov 05 j 12:56	12° <u>♂</u> 13'34		min. Earth dist.	-6559 Jun 08 j 11:12	27° <u>♂</u> 13'21	29.01144 AU
				opposition	-6559 Jun 09 j 11:07	27° <u>♂</u> 11'43	0°32'37
conjunction	-6566 Nov 20 j 21:12	12° <u>♂</u> 48'09	1°04'37	direct	-6559 Aug 26 j 11:43	25° <u>♂</u> 49'02	
minimum elong	-6566 Nov 20 j 21:12	12° <u>♂</u> 48'09	1°04'33	evening set	-6559 Nov 20 j 11:30	27° <u>♂</u> 41'08	
max. Earth dist.	-6566 Nov 21 j 16:40	12° <u>♂</u> 49'59	31.07003 AU				
morning rise	-6566 Dec 06 j 08:43	13° <u>♂</u> 23'02		conjunction	-6559 Dec 05 j 23:42	28° <u>♂</u> 16'01	0°27'52
retrograde	-6565 Mar 07 j 05:38	15° <u>♂</u> 21'01		minimum elong	-6559 Dec 05 j 23:43	28° <u>♂</u> 16'01	0°27'42
opposition	-6565 May 27 j 07:20	13° <u>♂</u> 56'23	1°06'19	max. Earth dist.	-6559 Dec 07 j 00:28	28° <u>♂</u> 18'21	31.00810 AU
min. Earth dist.	-6565 May 26 j 12:09	13° <u>♂</u> 57'42	29.06506 AU	morning rise	-6559 Dec 21 j 15:39	28° <u>♂</u> 51'16	
direct	-6565 Aug 13 j 17:18	12° <u>♂</u> 33'42			-6558 Jan 25 j 08:13	0° <u>♂</u>	
evening set	-6565 Nov 07 j 22:39	14° <u>♂</u> 26'01		retrograde	-6558 Mar 22 j 21:21	0° <u>♂</u> 49'47	
					-6558 May 20 j 23:17	30° <u>♂</u>	
conjunction	-6565 Nov 23 j 07:33	15° <u>♂</u> 00'37	0°59'36	opposition	-6558 Jun 11 j 23:33	29° <u>♂</u> 24'47	0°26'45
minimum elong	-6565 Nov 23 j 07:34	15° <u>♂</u> 00'37	0°59'32	min. Earth dist.	-6558 Jun 10 j 23:54	29° <u>♂</u> 26'25	29.00562 AU
max. Earth dist.	-6565 Nov 24 j 04:01	15° <u>♂</u> 02'33	31.05901 AU	direct	-6558 Aug 28 j 21:43	28° <u>♂</u> 02'09	
morning rise	-6565 Dec 08 j 19:39	15° <u>♂</u> 35'33		evening set	-6558 Nov 22 j 22:04	29° <u>♂</u> 54'16	
retrograde	-6564 Mar 08 j 18:44	17° <u>♂</u> 33'36			-6558 Nov 25 j 12:16	0° <u>♂</u>	
opposition	-6564 May 28 j 20:05	16° <u>♂</u> 08'52	1°00'54				
min. Earth dist.	-6564 May 27 j 23:14	16° <u>♂</u> 10'18	29.05393 AU	conjunction	-6558 Dec 08 j 10:50	0° <u>♂</u> 29'11	0°22'22
direct	-6564 Aug 15 j 05:28	14° <u>♂</u> 46'08		minimum elong	-6558 Dec 08 j 10:50	0° <u>♂</u> 29'11	0°22'11
evening set	-6564 Nov 09 j 08:42	16° <u>♂</u> 38'23		max. Earth dist.	-6558 Dec 09 j 11:42	0° <u>♂</u> 31'32	31.00253 AU
				morning rise	-6558 Dec 24 j 03:24	1° <u>♂</u> 04'29	
conjunction	-6564 Nov 24 j 18:00	17° <u>♂</u> 13'02	0°54'29	retrograde	-6557 Mar 25 j 11:31	3° <u>♂</u> 03'05	
minimum elong	-6564 Nov 24 j 18:01	17° <u>♂</u> 13'02	0°54'24	min. Earth dist.	-6557 Jun 13 j 11:20	1° <u>♂</u> 39'47	29.00000 AU
max. Earth dist.	-6564 Nov 25 j 14:31	17° <u>♂</u> 14'59	31.04803 AU	opposition	-6557 Jun 14 j 12:03	1° <u>♂</u> 38'05	0°20'51
morning rise	-6564 Dec 10 j 06:53	17° <u>♂</u> 48'02		direct	-6557 Aug 31 j 08:30	0° <u>♂</u> 15'29	
retrograde	-6563 Mar 11 j 07:28	19° <u>♂</u> 46'08		evening set	-6557 Nov 25 j 08:45	2° <u>♂</u> 07'37	
opposition	-6563 May 31 j 08:47	18° <u>♂</u> 21'18	0°55'24				
min. Earth dist.	-6563 May 30 j 12:16	18° <u>♂</u> 22'42	29.04331 AU	conjunction	-6557 Dec 10 j 22:00	2° <u>♂</u> 42'35	0°16'50
direct	-6563 Aug 17 j 16:21	16° <u>♂</u> 58'33		minimum elong	-6557 Dec 10 j 22:00	2° <u>♂</u> 42'35	0°16'38
evening set	-6563 Nov 11 j 18:38	18° <u>♂</u> 50'44		max. Earth dist.	-6557 Dec 11 j 23:08	2° <u>♂</u> 44'57	30.99668 AU
				morning rise	-6557 Dec 26 j 15:14	3° <u>♂</u> 17'56	
conjunction	-6563 Nov 27 j 04:40	19° <u>♂</u> 25'26	0°49'18	retrograde	-6556 Mar 27 j 00:34	5° <u>♂</u> 16'38	
minimum elong	-6563 Nov 27 j 04:41	19° <u>♂</u> 25'26	0°49'12	min. Earth dist.	-6556 Jun 15 j 00:53	3° <u>♂</u> 53'15	28.99391 AU
max. Earth dist.	-6563 Nov 28 j 02:54	19° <u>♂</u> 27'32	31.03784 AU	opposition	-6556 Jun 16 j 00:43	3° <u>♂</u> 51'37	0°14'55
morning rise	-6563 Dec 12 j 18:02	20° <u>♂</u> 00'28		direct	-6556 Sep 01 j 18:32	2° <u>♂</u> 29'01	
retrograde	-6562 Mar 13 j 20:03	21° <u>♂</u> 58'37		evening set	-6556 Nov 26 j 19:42	4° <u>♂</u> 21'10	
opposition	-6562 Jun 02 j 21:20	20° <u>♂</u> 33'43	0°49'49				
min. Earth dist.	-6562 Jun 01 j 23:23	20° <u>♂</u> 35'14	29.03355 AU	conjunction	-6556 Dec 12 j 09:37	4° <u>♂</u> 56'11	0°11'17
direct	-6562 Aug 20 j 05:09	19° <u>♂</u> 10'58		minimum elong	-6556 Dec 12 j 09:37	4° <u>♂</u> 56'11	0°11'04
evening set	-6562 Nov 14 j 04:43	21° <u>♂</u> 03'07		behind sun begin	-6556 Dec 12 j 04:46	4° <u>♂</u> 55'45	
				behind sun end	-6556 Dec 12 j 14:28	4° <u>♂</u> 56'37	
conjunction	-6562 Nov 29 j 15:07	21° <u>♂</u> 37'51	0°44'02	max. Earth dist.	-6556 Dec 13 j 11:11	4° <u>♂</u> 58'35	30.99025 AU
minimum elong	-6562 Nov 29 j 15:07	21° <u>♂</u> 37'52	0°43'55	morning rise	-6556 Dec 28 j 03:21	5° <u>♂</u> 31'35	
max. Earth dist.	-6562 Nov 30 j 13:05	21° <u>♂</u> 39'56	31.02869 AU	retrograde	-6555 Mar 29 j 14:38	7° <u>♂</u> 30'20	
morning rise	-6562 Dec 15 j 05:15	22° <u>♂</u> 12'57		opposition	-6555 Jun 18 j 13:04	6° <u>♂</u> 05'18	0°08'57
retrograde	-6561 Mar 16 j 09:05	22° <u>♂</u> 11'11		min. Earth dist.	-6555 Jun 17 j 12:14	6° <u>♂</u> 07'01	28.98692 AU
min. Earth dist.	-6561 Jun 04 j 11:44	22° <u>♂</u> 47'45	29.02506 AU	direct	-6555 Sep 04 j 06:06	4° <u>♂</u> 42'42	
opposition	-6561 Jun 05 j 09:59	22° <u>♂</u> 46'14	0°44'09	evening set	-6555 Nov 29 j 06:54	6° <u>♂</u> 34'51	
direct	-6561 Aug 22 j 15:02	21° <u>♂</u> 23'29					
evening set	-6561 Nov 16 j 14:47	23° <u>♂</u> 15'36		conjunction	-6555 Dec 14 j 21:13	7° <u>♂</u> 09'55	0°05'43
				minimum elong	-6555 Dec 14 j 21:13	7° <u>♂</u> 09'55	0°05'30
conjunction	-6561 Dec 02 j 01:55	23° <u>♂</u> 50'24	0°38'43	behind sun begin	-6555 Dec 14 j 14:59	7° <u>♂</u> 09'21	
minimum elong	-6561 Dec 02 j 01:55	23° <u>♂</u> 50'24	0°38'35	behind sun end	-6555 Dec 15 j 03:28	7° <u>♂</u> 10'28	
max. Earth dist.	-6561 Dec 03 j 01:40	23° <u>♂</u> 52'38	31.02081 AU	max. Earth dist.	-6555 Dec 15 j 22:01	7° <u>♂</u> 12'15	30.98265 AU
morning rise	-6561 Dec 17 j 16:32	24° <u>♂</u> 25'32		morning rise	-6555 Dec 30 j 15:41	7° <u>♂</u> 45'22	
retrograde	-6560 Mar 17 j 19:52	26° <u>♂</u> 23'52		retrograde	-6554 Apr 01 j 04:44	9° <u>♂</u> 44'10	
opposition	-6560 Jun 06 j 22:32	24° <u>♂</u> 58'52	0°38'25	min. Earth dist.	-6554 Jun 20 j 01:49	8° <u>♂</u> 20'43	28.97879 AU
min. Earth dist.	-6560 Jun 05 j 23:27	25° <u>♂</u> 00'28	29.01771 AU	opposition	-6554 Jun 21 j 01:39	8° <u>♂</u> 19'04	0°02'58
direct	-6560 Aug 24 j 02:36	23° <u>♂</u> 36'10		direct	-6554 Sep 06 j 17:24	6° <u>♂</u> 56'27	
evening set	-6560 Nov 18 j 01:03	25° <u>♂</u> 28'16		evening set	-6554 Dec 01 j 17:52	8° <u>♂</u> 48'35	
conjunction	-6560 Dec 03 j 12:40	26° <u>♂</u> 03'06	0°33'19	conjunction	-6554 Dec 17 j 08:55	9° <u>♂</u> 23'41	0°00'03
minimum elong	-6560 Dec 03 j 12:40	26° <u>♂</u> 03'06	0°33'10	minimum elong	-6554 Dec 17 j 08:54	9° <u>♂</u> 23'41	0°00'12
max. Earth dist.	-6560 Dec 04 j 12:10	26° <u>♂</u> 05'19	31.01412 AU	behind sun begin	-6554 Dec 17 j 02:30	9° <u>♂</u> 23'07	
morning rise	-6560 Dec 19 j 04:04	26° <u>♂</u> 38'18		behind sun end	-6554 Dec 17 j 15:18	9° <u>♂</u> 24'16	

Attention, astronomical year style is used: The year -6554 in astronomical counting style is the year 6555 BCE in historical counting style.

max. Earth dist.	-6554 Dec 18 j 10:43	9°M.26'07	30.97398 AU	minimum elong	-6548 Dec 30 j 08:25	22°M.45'21	0°33'34
desc. node	-6554 Dec 20 j 22:02	9°M.31'43		max. Earth dist.	-6548 Dec 31 j 10:59	22°M.47'51	30.92347 AU
morning rise	-6553 Jan 02 j 03:47	9°M.59'10		morning rise	-6547 Jan 15 j 06:39	23°M.21'03	
retrograde	-6553 Apr 03 j 18:39	11°M.58'00		retrograde	-6547 Apr 16 j 21:15	25°M.19'57	
opposition	-6553 Jun 23 j 14:02	10°M.32'51	-0°03'01	opposition	-6547 Jul 06 j 14:38	23°M.54'29	-0°38'32
min. Earth dist.	-6553 Jun 22 j 13:28	10°M.34'33	28.96957 AU	min. Earth dist.	-6547 Jul 05 j 14:01	23°M.56'12	28.92133 AU
direct	-6553 Sep 09 j 06:58	9°M.10'11		direct	-6547 Sep 21 j 23:37	22°M.31'33	
evening set	-6553 Dec 04 j 05:10	11°M.02'18		evening set	-6547 Dec 17 j 02:06	24°M.23'44	
conjunction	-6553 Dec 19 j 20:34	11°M.37'26	-0°05'36	conjunction	-6546 Jan 01 j 20:46	24°M.59'04	-0°38'41
minimum elong	-6553 Dec 19 j 20:35	11°M.37'26	0°05'52	minimum elong	-6546 Jan 01 j 20:45	24°M.59'04	0°39'00
behind sun begin	-6553 Dec 19 j 14:23	11°M.36'52		max. Earth dist.	-6546 Jan 02 j 23:50	25°M.01'37	30.91850 AU
behind sun end	-6553 Dec 20 j 02:47	11°M.37'59		morning rise	-6546 Jan 17 j 19:23	25°M.34'48	
max. Earth dist.	-6553 Dec 20 j 21:24	11°M.39'46	30.96450 AU	retrograde	-6546 Apr 19 j 11:12	27°M.33'44	
morning rise	-6552 Jan 04 j 16:13	12°M.12'58		min. Earth dist.	-6546 Jul 08 j 00:49	26°M.10'05	28.91675 AU
retrograde	-6552 Apr 05 j 07:38	14°M.11'48		opposition	-6546 Jul 09 j 02:31	26°M.08'17	-0°44'19
min. Earth dist.	-6552 Jun 24 j 02:18	12°M.48'14	28.95997 AU	direct	-6546 Sep 24 j 10:57	24°M.45'21	
opposition	-6552 Jun 25 j 02:23	12°M.46'34	-0°09'00	evening set	-6546 Dec 19 j 14:00	26°M.37'35	
direct	-6552 Sep 10 j 17:26	11°M.23'50		conjunction	-6545 Jan 04 j 08:58	27°M.12'58	-0°44'04
evening set	-6552 Dec 05 j 16:21	13°M.15'56		minimum elong	-6545 Jan 04 j 08:57	27°M.12'58	0°44'24
conjunction	-6552 Dec 21 j 08:28	13°M.51'06	-0°11'10	max. Earth dist.	-6545 Jan 05 j 11:25	27°M.15'27	30.91416 AU
minimum elong	-6552 Dec 21 j 08:28	13°M.51'06	0°11'27	morning rise	-6545 Jan 20 j 08:10	27°M.48'44	
behind sun begin	-6552 Dec 21 j 03:46	13°M.50'40		retrograde	-6545 Apr 22 j 01:04	29°M.47'43	
behind sun end	-6552 Dec 21 j 13:10	13°M.51'31		opposition	-6545 Jul 11 j 14:35	28°M.22'16	-0°50'02
max. Earth dist.	-6552 Dec 22 j 10:30	13°M.53'33	30.95478 AU	min. Earth dist.	-6545 Jul 10 j 13:53	28°M.24'00	28.91270 AU
morning rise	-6551 Jan 06 j 04:31	14°M.26'40		direct	-6545 Sep 26 j 21:36	26°M.59'20	
retrograde	-6551 Jan 21 j 21:11	15°M.		evening set	-6545 Dec 22 j 02:04	28°M.51'39	
opposition	-6551 Apr 07 j 19:15	16°M.25'30		conjunction	-6544 Jan 06 j 21:40	29°M.27'04	-0°49'23
min. Earth dist.	-6551 Jun 27 j 14:33	15°M.00'12	-0°14'58	minimum elong	-6544 Jan 06 j 21:39	29°M.27'04	0°49'43
direct	-6551 Jun 26 j 14:12	15°M.01'53	28.95031 AU	max. Earth dist.	-6544 Jan 08 j 01:00	29°M.29'38	30.91016 AU
evening set	-6551 Jun 27 j 17:22	15°M.		morning rise	-6544 Jan 21 j 13:56	0°M.	
conjunction	-6551 Sep 13 j 06:09	13°M.37'25		retrograde	-6544 Jan 22 j 21:09	0°M.02'52	
minimum elong	-6551 Dec 23 j 20:19	16°M.04'41	0°17'01	opposition	-6544 Apr 23 j 15:15	2°M.01'53	
max. Earth dist.	-6551 Dec 24 j 21:38	16°M.07'04	30.94542 AU	min. Earth dist.	-6544 Jul 12 j 01:17	0°M.38'13	28.90862 AU
morning rise	-6550 Jan 08 j 17:01	16°M.40'17		direct	-6544 Jul 13 j 02:23	0°M.36'28	-0°55'41
retrograde	-6550 Apr 10 j 09:07	18°M.39'08		evening set	-6544 Aug 04 j 14:40	30°M.	
min. Earth dist.	-6550 Jun 29 j 01:48	17°M.15'28	28.94140 AU	conjunction	-6544 Sep 28 j 10:24	29°M.13'32	
opposition	-6550 Jun 30 j 02:34	17°M.13'45	-0°20'55	minimum elong	-6544 Nov 20 j 04:11	0°M.	
direct	-6550 Sep 15 j 16:35	15°M.50'54		max. Earth dist.	-6544 Dec 23 j 14:32	1°M.05'55	
evening set	-6550 Dec 10 j 15:13	17°M.42'59		morning rise	-6543 Jan 08 j 10:25	1°M.41'22	-0°54'37
conjunction	-6550 Dec 26 j 08:17	18°M.18'13	-0°22'16	minimum elong	-6543 Jan 08 j 10:25	1°M.41'22	0°54'59
minimum elong	-6550 Dec 26 j 08:17	18°M.18'13	0°22'34	max. Earth dist.	-6543 Jan 09 j 12:21	1°M.43'48	30.90583 AU
max. Earth dist.	-6550 Dec 27 j 10:38	18°M.20'42	30.93687 AU	morning rise	-6543 Jan 24 j 10:31	2°M.17'12	
morning rise	-6549 Jan 11 j 05:25	18°M.53'51		retrograde	-6543 Apr 26 j 05:22	4°M.16'15	
retrograde	-6549 Apr 12 j 20:05	20°M.52'43		opposition	-6543 Jul 15 j 14:22	2°M.50'51	-1°01'15
opposition	-6549 Jul 02 j 14:41	19°M.27'17	-0°26'50	min. Earth dist.	-6543 Jul 14 j 14:14	2°M.52'32	28.90404 AU
min. Earth dist.	-6549 Jul 01 j 14:11	19°M.28'59	28.93347 AU	direct	-6543 Sep 30 j 20:43	1°M.27'54	
direct	-6549 Sep 18 j 03:28	18°M.04'24		evening set	-6543 Dec 26 j 03:00	3°M.20'22	
evening set	-6549 Dec 13 j 02:38	19°M.56'29		conjunction	-6542 Jan 10 j 23:27	3°M.55'51	-0°59'47
conjunction	-6549 Dec 28 j 20:14	20°M.31'45	-0°27'47	minimum elong	-6542 Jan 10 j 23:26	3°M.55'51	1°00'09
minimum elong	-6549 Dec 28 j 20:14	20°M.31'45	0°28'05	max. Earth dist.	-6542 Jan 12 j 01:56	3°M.58'20	30.90064 AU
max. Earth dist.	-6549 Dec 29 j 22:36	20°M.34'14	30.92963 AU	morning rise	-6542 Jan 26 j 23:45	4°M.31'43	
morning rise	-6548 Jan 13 j 17:55	21°M.07'25		retrograde	-6542 Apr 28 j 18:31	6°M.30'46	
retrograde	-6548 Apr 14 j 09:08	23°M.06'18		min. Earth dist.	-6542 Jul 17 j 02:21	5°M.07'02	28.89836 AU
min. Earth dist.	-6548 Jul 03 j 01:12	21°M.42'37	28.92685 AU	opposition	-6542 Jul 18 j 02:09	5°M.05'22	-1°06'44
opposition	-6548 Jul 04 j 02:42	21°M.40'50	-0°32'42	direct	-6542 Oct 03 j 09:34	3°M.42'23	
direct	-6548 Sep 19 j 14:09	20°M.17'55		evening set	-6542 Dec 28 j 15:39	5°M.34'55	
evening set	-6548 Dec 14 j 14:22	22°M.10'03		conjunction	-6541 Jan 13 j 12:25	6°M.10'26	-1°04'52
conjunction	-6548 Dec 30 j 08:25	22°M.45'21	-0°33'15	minimum elong	-6541 Jan 13 j 12:25	6°M.10'26	1°05'14
				max. Earth dist.	-6541 Jan 14 j 13:23	6°M.12'46	30.89451 AU
				morning rise	-6541 Jan 29 j 13:16	6°M.46'19	
				retrograde	-6541 May 01 j 09:27	8°M.45'22	

Attention, astronomical year style is used: The year -6541 in astronomical counting style is the year 6542 BCE in historical counting style.

opposition	-6541 Jul 20 j 14:01	7°♄19'57	-1°12'06	max. Earth dist.	-6534 Jan 30 j 07:59	21°♄53'55	30.85351 AU
min. Earth dist.	-6541 Jul 19 j 14:27	7°♄21'36	28.89181 AU	morning rise	-6534 Feb 14 j 12:06	22°♄27'45	
direct	-6541 Oct 05 j 20:39	5°♄56'54		retrograde	-6534 May 17 j 01:29	24°♄26'34	
evening set	-6541 Dec 31 j 04:13	7°♄49'29		opposition	-6534 Aug 04 j 22:09	23°♄01'03	-1°46'13
				min. Earth dist.	-6534 Aug 04 j 01:01	23°♄02'32	28.85389 AU
conjunction	-6540 Jan 16 j 01:31	8°♄25'02	-1°09'50	direct	-6534 Oct 21 j 01:51	21°♄37'31	
minimum elong	-6540 Jan 16 j 01:30	8°♄25'02	1°10'13	evening set	-6533 Jan 15 j 22:35	23°♄30'37	
max. Earth dist.	-6540 Jan 17 j 02:46	8°♄27'24	30.88743 AU				
morning rise	-6540 Feb 01 j 02:41	9°♄00'57		conjunction	-6533 Jan 31 j 22:33	24°♄06'18	-1°41'18
retrograde	-6540 May 02 j 20:38	10°♄59'58		minimum elong	-6533 Jan 31 j 22:33	24°♄06'18	1°41'43
min. Earth dist.	-6540 Jul 21 j 03:15	9°♄36'06	28.88442 AU	max. Earth dist.	-6533 Feb 01 j 22:25	24°♄08'32	30.85218 AU
opposition	-6540 Jul 22 j 01:48	9°♄34'32	-1°17'22	morning rise	-6533 Feb 17 j 01:48	24°♄42'18	
direct	-6540 Oct 07 j 08:16	8°♄11'24		retrograde	-6533 May 19 j 15:12	26°♄41'05	
evening set	-6539 Jan 01 j 16:59	10°♄04'02		opposition	-6533 Aug 07 j 09:22	25°♄15'37	-1°50'30
				min. Earth dist.	-6533 Aug 06 j 12:26	25°♄17'06	28.85309 AU
conjunction	-6539 Jan 17 j 14:42	10°♄39'35	-1°14'42	direct	-6533 Oct 23 j 14:59	23°♄52'04	
minimum elong	-6539 Jan 17 j 14:42	10°♄39'35	1°15'06	evening set	-6532 Jan 18 j 11:57	25°♄45'16	
max. Earth dist.	-6539 Jan 18 j 15:10	10°♄41'53	30.87994 AU				
morning rise	-6539 Feb 02 j 16:17	11°♄15'32		conjunction	-6532 Feb 03 j 12:09	26°♄20'58	-1°45'14
retrograde	-6539 May 05 j 09:32	13°♄14'30		minimum elong	-6532 Feb 03 j 12:08	26°♄20'58	1°45'40
opposition	-6539 Jul 24 j 13:15	11°♄49'02	-1°22'31	max. Earth dist.	-6532 Feb 04 j 10:30	26°♄23'04	30.85181 AU
min. Earth dist.	-6539 Jul 23 j 14:24	11°♄50'38	28.87695 AU	morning rise	-6532 Feb 19 j 15:49	26°♄57'00	
direct	-6539 Oct 09 j 19:26	10°♄25'49		retrograde	-6532 May 21 j 06:03	28°♄55'45	
evening set	-6538 Jan 04 j 05:49	12°♄18'31		opposition	-6532 Aug 08 j 20:36	27°♄30'20	-1°54'38
				min. Earth dist.	-6532 Aug 08 j 00:02	27°♄31'47	28.85304 AU
conjunction	-6538 Jan 20 j 03:52	12°♄54'05	-1°19'28	direct	-6532 Oct 25 j 02:32	26°♄06'45	
minimum elong	-6538 Jan 20 j 03:52	12°♄54'05	1°19'52	evening set	-6531 Jan 20 j 01:33	28°♄00'04	
max. Earth dist.	-6538 Jan 21 j 04:06	12°♄56'22	30.87245 AU				
morning rise	-6538 Feb 05 j 05:48	13°♄30'02		conjunction	-6531 Feb 05 j 02:08	28°♄35'48	-1°49'01
retrograde	-6538 May 07 j 21:19	15°♄28'59		minimum elong	-6531 Feb 05 j 02:08	28°♄35'48	1°49'26
min. Earth dist.	-6538 Jul 26 j 03:14	14°♄05'00	28.86987 AU	max. Earth dist.	-6531 Feb 06 j 00:37	28°♄37'54	30.85168 AU
opposition	-6538 Jul 27 j 00:51	14°♄03'28	-1°27'32	morning rise	-6531 Feb 21 j 05:54	29°♄11'50	
direct	-6538 Oct 12 j 04:57	12°♄40'11			-6531 Mar 16 j 15:07	0°♄	
evening set	-6537 Jan 06 j 18:25	14°♄32'55		retrograde	-6531 May 23 j 18:03	1°♄10'32	
					-6531 Aug 02 j 13:02	30°♄	
conjunction	-6537 Jan 22 j 16:57	15°♄08'31	-1°24'06	opposition	-6531 Aug 11 j 07:45	29°♄45'11	-1°58'35
minimum elong	-6537 Jan 22 j 16:57	15°♄08'31	1°24'30	min. Earth dist.	-6531 Aug 10 j 12:29	29°♄46'33	28.85290 AU
max. Earth dist.	-6537 Jan 23 j 17:21	15°♄10'48	30.86580 AU	direct	-6531 Oct 27 j 14:07	28°♄21'35	
morning rise	-6537 Feb 07 j 19:07	15°♄44'29			-6530 Jan 15 j 16:09	0°♄	
retrograde	-6537 May 10 j 10:05	17°♄43'23		evening set	-6530 Jan 22 j 15:18	0°♄15'01	
opposition	-6537 Jul 29 j 12:14	16°♄17'51	-1°32'25				
min. Earth dist.	-6537 Jul 28 j 13:44	16°♄19'26	28.86380 AU	conjunction	-6530 Feb 07 j 16:09	0°♄50'45	-1°52'37
direct	-6537 Oct 14 j 16:37	14°♄54'29		minimum elong	-6530 Feb 07 j 16:08	0°♄50'45	1°53'03
evening set	-6536 Jan 09 j 07:24	16°♄47'18		max. Earth dist.	-6530 Feb 08 j 13:18	0°♄52'44	30.85137 AU
				morning rise	-6530 Feb 23 j 20:10	1°♄26'48	
conjunction	-6536 Jan 25 j 06:10	17°♄22'54	-1°28'36	retrograde	-6530 May 26 j 08:27	3°♄25'27	
minimum elong	-6536 Jan 25 j 06:09	17°♄22'54	1°29'01	opposition	-6530 Aug 13 j 18:58	2°♄00'08	-2°02'21
max. Earth dist.	-6536 Jan 26 j 05:43	17°♄25'07	30.86024 AU	min. Earth dist.	-6530 Aug 12 j 23:45	2°♄01'29	28.85235 AU
morning rise	-6536 Feb 10 j 08:46	17°♄58'53		direct	-6530 Oct 30 j 01:41	0°♄36'29	
retrograde	-6536 May 11 j 22:31	19°♄57'46		evening set	-6529 Jan 25 j 04:59	2°♄30'01	
opposition	-6536 Jul 30 j 23:37	18°♄32'13	-1°37'10				
min. Earth dist.	-6536 Jul 30 j 02:14	18°♄33'43	28.85908 AU	conjunction	-6529 Feb 10 j 06:07	3°♄05'46	-1°56'04
direct	-6536 Oct 16 j 03:18	17°♄08'46		minimum elong	-6529 Feb 10 j 06:07	3°♄05'46	1°56'29
evening set	-6535 Jan 10 j 20:21	19°♄01'40		max. Earth dist.	-6529 Feb 11 j 02:32	3°♄07'41	30.85026 AU
				morning rise	-6529 Feb 26 j 10:20	3°♄41'49	
conjunction	-6535 Jan 26 j 19:39	19°♄37'18	-1°32'58	retrograde	-6529 May 28 j 20:43	5°♄40'25	
minimum elong	-6535 Jan 26 j 19:39	19°♄37'18	1°33'23	opposition	-6529 Aug 16 j 06:18	4°♄15'08	-2°05'56
max. Earth dist.	-6535 Jan 27 j 19:58	19°♄39'35	30.85619 AU	min. Earth dist.	-6529 Aug 15 j 12:53	4°♄16'22	28.85090 AU
morning rise	-6535 Feb 11 j 22:24	20°♄13'17		direct	-6529 Nov 01 j 11:55	2°♄51'25	
retrograde	-6535 May 14 j 11:40	22°♄12'08		evening set	-6528 Jan 27 j 18:50	4°♄45'02	
opposition	-6535 Aug 02 j 10:52	20°♄46'36	-1°41'46				
min. Earth dist.	-6535 Aug 01 j 12:57	20°♄48'08	28.85575 AU	conjunction	-6528 Feb 12 j 20:23	5°♄20'48	-1°59'20
direct	-6535 Oct 18 j 15:49	19°♄23'06		minimum elong	-6528 Feb 12 j 20:22	5°♄20'48	1°59'46
evening set	-6534 Jan 13 j 09:28	21°♄16'06		max. Earth dist.	-6528 Feb 13 j 15:59	5°♄22'38	30.84843 AU
				morning rise	-6528 Feb 29 j 00:45	5°♄56'51	
conjunction	-6534 Jan 29 j 08:56	21°♄51'45	-1°37'12	retrograde	-6528 May 30 j 09:15	7°♄55'21	
minimum elong	-6534 Jan 29 j 08:55	21°♄51'45	1°37'38	opposition	-6528 Aug 17 j 17:17	6°♄30'05	-2°09'19

Attention, astronomical year style is used: The year -6528 in astronomical counting style is the year 6529 BCE in historical counting style.

min. Earth dist.	-6528 Aug 16 j 23:45	6° $\overline{3}$ 31'20	28.84867 AU	morning rise	-6521 Mar 17 j 05:15	21° $\overline{3}$ 40'14	
direct	-6528 Nov 03 j 00:11	5° $\overline{3}$ 06'17		retrograde	-6521 Jun 16 j 03:59	23° $\overline{3}$ 38'06	
evening set	-6527 Jan 29 j 08:53	6° $\overline{3}$ 59'59		opposition	-6521 Sep 02 j 21:11	22° $\overline{3}$ 13'02	-2°27'19
				min. Earth dist.	-6521 Sep 02 j 07:59	22° $\overline{3}$ 13'59	28.84718 AU
conjunction	-6527 Feb 14 j 10:35	7° $\overline{3}$ 35'46	-2°02'25	direct	-6521 Nov 19 j 10:49	20° $\overline{3}$ 48'48	
minimum elong	-6527 Feb 14 j 10:35	7° $\overline{3}$ 35'46	2°02'50	evening set	-6520 Feb 15 j 10:46	22° $\overline{3}$ 43'13	
max. Earth dist.	-6527 Feb 15 j 04:39	7° $\overline{3}$ 37'27	30.84584 AU				
morning rise	-6527 Mar 02 j 15:14	8° $\overline{3}$ 11'49		conjunction	-6520 Mar 02 j 14:20	23° $\overline{3}$ 19'05	-2°18'33
retrograde	-6527 Jun 01 j 20:57	10° $\overline{3}$ 10'14		minimum elong	-6520 Mar 02 j 14:20	23° $\overline{3}$ 19'05	2°18'58
opposition	-6527 Aug 20 j 04:26	8° $\overline{3}$ 44'57	-2°12'31	max. Earth dist.	-6520 Mar 03 j 04:18	23° $\overline{3}$ 20'23	30.84747 AU
min. Earth dist.	-6527 Aug 19 j 12:37	8° $\overline{3}$ 46'05	28.84604 AU	morning rise	-6520 Mar 18 j 19:46	23° $\overline{3}$ 55'07	
direct	-6527 Nov 05 j 10:48	7° $\overline{3}$ 21'04		retrograde	-6520 Jun 17 j 16:15	25° $\overline{3}$ 52'54	
evening set	-6526 Jan 31 j 22:39	9° $\overline{3}$ 14'51		opposition	-6520 Sep 04 j 07:52	24° $\overline{3}$ 27'57	-2°29'00
				min. Earth dist.	-6520 Sep 03 j 20:25	24° $\overline{3}$ 28'45	28.85163 AU
conjunction	-6526 Feb 17 j 00:46	9° $\overline{3}$ 50'38	-2°05'19	direct	-6520 Nov 20 j 21:02	23° $\overline{3}$ 03'41	
minimum elong	-6526 Feb 17 j 00:46	9° $\overline{3}$ 50'38	2°05'45	evening set	-6519 Feb 17 j 01:06	24° $\overline{3}$ 58'15	
max. Earth dist.	-6526 Feb 17 j 18:57	9° $\overline{3}$ 52'20	30.84314 AU				
morning rise	-6526 Mar 05 j 05:25	10° $\overline{3}$ 26'41		conjunction	-6519 Mar 05 j 04:55	25° $\overline{3}$ 34'07	-2°20'02
retrograde	-6526 Jun 04 j 09:18	12° $\overline{3}$ 25'00		minimum elong	-6519 Mar 05 j 04:55	25° $\overline{3}$ 34'07	2°20'26
opposition	-6526 Aug 22 j 15:18	10° $\overline{3}$ 59'44	-2°15'31	max. Earth dist.	-6519 Mar 05 j 18:00	25° $\overline{3}$ 35'20	30.85225 AU
min. Earth dist.	-6526 Aug 21 j 23:26	11° $\overline{3}$ 00'51	28.84345 AU	morning rise	-6519 Mar 21 j 10:26	26° $\overline{3}$ 10'10	
direct	-6526 Nov 07 j 23:20	9° $\overline{3}$ 35'45		retrograde	-6519 Jun 20 j 04:56	28° $\overline{3}$ 07'51	
evening set	-6525 Feb 03 j 12:39	11° $\overline{3}$ 29'37		opposition	-6519 Sep 06 j 18:31	26° $\overline{3}$ 43'00	-2°30'28
				min. Earth dist.	-6519 Sep 06 j 06:59	26° $\overline{3}$ 43'50	28.85650 AU
conjunction	-6525 Feb 19 j 14:52	12° $\overline{3}$ 05'24	-2°08'01	direct	-6519 Nov 23 j 09:15	25° $\overline{3}$ 18'44	
minimum elong	-6525 Feb 19 j 14:52	12° $\overline{3}$ 05'24	2°08'26	evening set	-6518 Feb 19 j 15:30	27° $\overline{3}$ 13'26	
max. Earth dist.	-6525 Feb 20 j 07:23	12° $\overline{3}$ 06'57	30.84082 AU				
morning rise	-6525 Mar 07 j 19:50	12° $\overline{3}$ 41'27		conjunction	-6518 Mar 07 j 19:24	27° $\overline{3}$ 49'18	-2°21'18
retrograde	-6525 Jun 06 j 22:19	14° $\overline{3}$ 39'40		minimum elong	-6518 Mar 07 j 19:24	27° $\overline{3}$ 49'18	2°21'42
min. Earth dist.	-6525 Aug 24 j 11:27	13° $\overline{3}$ 15'27	28.84168 AU	max. Earth dist.	-6518 Mar 08 j 06:58	27° $\overline{3}$ 50'23	30.85696 AU
opposition	-6525 Aug 25 j 02:11	13° $\overline{3}$ 14'24	-2°18'18	morning rise	-6518 Mar 24 j 01:01	28° $\overline{3}$ 25'21	
direct	-6525 Nov 10 j 09:44	11° $\overline{3}$ 50'20			-6518 May 16 j 06:12	0° \approx	
evening set	-6524 Feb 06 j 02:30	13° $\overline{3}$ 44'18		retrograde	-6518 Jun 22 j 16:45	0° \approx 22'58	
					-6518 Jul 30 j 12:46	30° \overline{R} $\overline{3}$	
conjunction	-6524 Feb 22 j 05:11	14° $\overline{3}$ 20'06	-2°10'32	opposition	-6518 Sep 09 j 05:20	28° $\overline{3}$ 58'12	-2°31'43
minimum elong	-6524 Feb 22 j 05:10	14° $\overline{3}$ 20'06	2°10'58	min. Earth dist.	-6518 Sep 08 j 19:42	28° $\overline{3}$ 58'54	28.86112 AU
max. Earth dist.	-6524 Feb 22 j 22:11	14° $\overline{3}$ 21'41	30.83944 AU	direct	-6518 Nov 25 j 19:17	27° $\overline{3}$ 33'55	
morning rise	-6524 Mar 09 j 10:07	14° $\overline{3}$ 56'09		evening set	-6517 Feb 22 j 05:57	29° $\overline{3}$ 28'43	
retrograde	-6524 Jun 08 j 11:09	16° $\overline{3}$ 54'16			-6517 Mar 08 j 08:48	0° \approx	
opposition	-6524 Aug 26 j 12:59	15° $\overline{3}$ 29'01	-2°20'53				
min. Earth dist.	-6524 Aug 25 j 22:39	15° $\overline{3}$ 30'03	28.84087 AU	conjunction	-6517 Mar 10 j 10:12	0° \approx 04'37	-2°22'21
direct	-6524 Nov 11 j 23:15	14° $\overline{3}$ 04'53		minimum elong	-6517 Mar 10 j 10:13	0° \approx 04'37	2°22'44
evening set	-6523 Feb 07 j 16:37	15° $\overline{3}$ 58'57		max. Earth dist.	-6517 Mar 10 j 21:17	0° \approx 05'39	30.86125 AU
				morning rise	-6517 Mar 26 j 15:46	0° \approx 40'39	
conjunction	-6523 Feb 23 j 19:23	16° $\overline{3}$ 34'46	-2°12'50	retrograde	-6517 Jun 25 j 05:17	2° \approx 38'09	
minimum elong	-6523 Feb 23 j 19:23	16° $\overline{3}$ 34'46	2°13'15	opposition	-6517 Sep 11 j 15:57	1° \approx 13'28	-2°32'43
max. Earth dist.	-6523 Feb 24 j 10:38	16° $\overline{3}$ 36'11	30.83930 AU	min. Earth dist.	-6517 Sep 11 j 06:44	1° \approx 14'08	28.86493 AU
morning rise	-6523 Mar 12 j 00:35	17° $\overline{3}$ 10'48			-6517 Nov 02 j 21:48	30° \overline{R} $\overline{3}$	
retrograde	-6523 Jun 11 j 01:05	19° $\overline{3}$ 08'50		direct	-6517 Nov 28 j 07:05	29° $\overline{3}$ 49'07	
opposition	-6523 Aug 28 j 23:41	17° $\overline{3}$ 43'38	-2°23'15		-6517 Dec 23 j 13:43	0° \approx	
min. Earth dist.	-6523 Aug 28 j 09:37	17° $\overline{3}$ 44'38	28.84155 AU	evening set	-6516 Feb 24 j 20:39	1° \approx 44'02	
direct	-6523 Nov 14 j 11:05	16° $\overline{3}$ 19'26					
evening set	-6522 Feb 10 j 06:36	18° $\overline{3}$ 13'37		conjunction	-6516 Mar 12 j 00:58	2° \approx 19'56	-2°23'11
				minimum elong	-6516 Mar 12 j 00:58	2° \approx 19'56	2°23'35
conjunction	-6522 Feb 26 j 09:42	18° $\overline{3}$ 49'27	-2°14'57	max. Earth dist.	-6516 Mar 12 j 09:43	2° \approx 20'45	30.86456 AU
minimum elong	-6522 Feb 26 j 09:42	18° $\overline{3}$ 49'27	2°15'23	morning rise	-6516 Mar 28 j 06:45	2° \approx 55'58	
max. Earth dist.	-6522 Feb 27 j 01:17	18° $\overline{3}$ 50'54	30.84060 AU	retrograde	-6516 Jun 26 j 17:19	4° \approx 53'21	
morning rise	-6522 Mar 14 j 14:52	19° $\overline{3}$ 25'29		opposition	-6516 Sep 13 j 02:46	3° \approx 28'43	-2°33'29
retrograde	-6522 Jun 13 j 13:11	21° $\overline{3}$ 23'25		min. Earth dist.	-6516 Sep 12 j 19:10	3° \approx 29'16	28.86781 AU
opposition	-6522 Aug 31 j 10:29	19° $\overline{3}$ 58'17	-2°25'23	direct	-6516 Nov 29 j 17:57	2° \approx 04'18	
min. Earth dist.	-6522 Aug 30 j 21:25	19° $\overline{3}$ 59'13	28.84364 AU	evening set	-6515 Feb 26 j 11:11	3° \approx 59'18	
direct	-6522 Nov 16 j 22:51	18° $\overline{3}$ 34'04					
evening set	-6521 Feb 12 j 20:32	20° $\overline{3}$ 28'21		conjunction	-6515 Mar 14 j 15:52	4° \approx 35'12	-2°23'48
				minimum elong	-6515 Mar 14 j 15:52	4° \approx 35'12	2°24'10
conjunction	-6521 Feb 28 j 23:51	21° $\overline{3}$ 04'12	-2°16'51	max. Earth dist.	-6515 Mar 15 j 00:25	4° \approx 36'00	30.86692 AU
minimum elong	-6521 Feb 28 j 23:51	21° $\overline{3}$ 04'12	2°17'16	morning rise	-6515 Mar 30 j 21:29	5° \approx 11'13	
max. Earth dist.	-6521 Mar 01 j 14:14	21° $\overline{3}$ 05'32	30.84349 AU	retrograde	-6515 Jun 29 j 04:47	7° \approx 08'27	

Attention, astronomical year style is used: The year -6515 in astronomical counting style is the year 6516 BCE in historical counting style.

opposition	-6515 Sep 15 j 13:21	5° \approx 43'52	-2°34'02	conjunction	-6508 Mar 30 j 21:58	20° \approx 17'50	-2°22'02
min. Earth dist.	-6515 Sep 15 j 06:43	5° \approx 44'20	28.86972 AU	minimum elong	-6508 Mar 30 j 21:59	20° \approx 17'50	2°22'21
direct	-6515 Dec 02 j 07:41	4° \approx 19'21		max. Earth dist.	-6508 Mar 30 j 23:42	20° \approx 18'00	30.89017 AU
evening set	-6514 Mar 01 j 01:47	6° \approx 14'26		morning rise	-6508 Apr 16 j 03:45	20° \approx 53'47	
				retrograde	-6508 Jul 14 j 19:12	22° \approx 49'56	
conjunction	-6514 Mar 17 j 06:31	6° \approx 50'20	-2°24'12	opposition	-6508 Sep 30 j 14:20	21° \approx 25'40	-2°31'18
minimum elong	-6514 Mar 17 j 06:31	6° \approx 50'20	2°24'35	min. Earth dist.	-6508 Sep 30 j 12:56	21° \approx 25'46	28.89553 AU
max. Earth dist.	-6514 Mar 17 j 12:43	6° \approx 50'55	30.86867 AU	direct	-6508 Dec 17 j 20:22	20° \approx 00'42	
morning rise	-6514 Apr 02 j 12:21	7° \approx 26'20		evening set	-6507 Mar 17 j 06:33	21° \approx 56'20	
retrograde	-6514 Jul 01 j 18:02	9° \approx 23'25					
opposition	-6514 Sep 17 j 23:55	7° \approx 58'51	-2°34'21	conjunction	-6507 Apr 02 j 12:25	22° \approx 32'16	-2°20'54
min. Earth dist.	-6514 Sep 17 j 18:01	7° \approx 59'16	28.87137 AU	minimum elong	-6507 Apr 02 j 12:26	22° \approx 32'16	2°21'12
direct	-6514 Dec 04 j 19:46	6° \approx 34'14		max. Earth dist.	-6507 Apr 02 j 12:21	22° \approx 32'16	30.89751 AU
evening set	-6513 Mar 03 j 16:06	8° \approx 29'23		morning rise	-6507 Apr 18 j 18:16	23° \approx 08'13	
				retrograde	-6507 Jul 17 j 06:28	25° \approx 04'15	
conjunction	-6513 Mar 19 j 21:10	9° \approx 05'17	-2°24'24	opposition	-6507 Oct 03 j 00:42	23° \approx 40'05	-2°29'59
minimum elong	-6513 Mar 19 j 21:10	9° \approx 05'17	2°24'44	min. Earth dist.	-6507 Oct 03 j 00:40	23° \approx 40'05	28.90321 AU
max. Earth dist.	-6513 Mar 20 j 03:19	9° \approx 05'52	30.87022 AU	direct	-6507 Dec 20 j 06:49	22° \approx 15'07	
morning rise	-6513 Apr 05 j 02:55	9° \approx 41'17		evening set	-6506 Mar 19 j 20:55	24° \approx 10'51	
retrograde	-6513 Jul 04 j 05:37	11° \approx 38'12					
opposition	-6513 Sep 20 j 10:28	10° \approx 13'38	-2°34'25	conjunction	-6506 Apr 05 j 03:04	24° \approx 46'48	-2°19'34
min. Earth dist.	-6513 Sep 20 j 06:01	10° \approx 13'57	28.87297 AU	minimum elong	-6506 Apr 05 j 03:05	24° \approx 46'48	2°19'51
direct	-6513 Dec 07 j 08:22	8° \approx 48'56		max. Earth dist.	-6506 Apr 05 j 03:03	24° \approx 46'48	30.90532 AU
evening set	-6512 Mar 05 j 06:38	10° \approx 44'09		morning rise	-6506 Apr 21 j 08:44	25° \approx 22'44	
				retrograde	-6506 Jul 19 j 17:29	27° \approx 18'39	
conjunction	-6512 Mar 21 j 11:48	11° \approx 20'03	-2°24'21	opposition	-6506 Oct 05 j 11:04	25° \approx 54'36	-2°28'26
minimum elong	-6512 Mar 21 j 11:49	11° \approx 20'03	2°24'42	min. Earth dist.	-6506 Oct 05 j 11:59	25° \approx 54'32	28.91090 AU
max. Earth dist.	-6512 Mar 21 j 16:10	11° \approx 20'28	30.87213 AU	direct	-6506 Dec 22 j 19:26	24° \approx 29'38	
morning rise	-6512 Apr 06 j 17:42	11° \approx 56'02		evening set	-6505 Mar 22 j 11:24	26° \approx 25'28	
retrograde	-6512 Jul 05 j 19:42	13° \approx 52'47					
opposition	-6512 Sep 21 j 20:46	12° \approx 28'14	-2°34'16	conjunction	-6505 Apr 07 j 17:31	27° \approx 01'25	-2°18'00
min. Earth dist.	-6512 Sep 21 j 16:26	12° \approx 28'33	28.87520 AU	minimum elong	-6505 Apr 07 j 17:32	27° \approx 01'25	2°18'15
direct	-6512 Dec 08 j 21:46	11° \approx 03'27		max. Earth dist.	-6505 Apr 07 j 15:05	27° \approx 01'12	30.91289 AU
evening set	-6511 Mar 07 j 21:06	12° \approx 58'44		morning rise	-6505 Apr 23 j 23:20	27° \approx 37'21	
				retrograde	-6505 Jul 22 j 06:29	29° \approx 33'09	
conjunction	-6511 Mar 24 j 02:28	13° \approx 34'39	-2°24'06	opposition	-6505 Oct 07 j 21:28	28° \approx 09'11	-2°26'39
minimum elong	-6511 Mar 24 j 02:28	13° \approx 34'39	2°24'26	min. Earth dist.	-6505 Oct 07 j 23:13	28° \approx 09'04	28.91814 AU
max. Earth dist.	-6511 Mar 24 j 06:27	13° \approx 35'01	30.87470 AU	direct	-6505 Dec 25 j 06:49	26° \approx 44'11	
morning rise	-6511 Apr 09 j 08:16	14° \approx 10'37		evening set	-6504 Mar 24 j 01:54	28° \approx 40'08	
	-6511 May 03 j 13:14	15° \approx					
retrograde	-6511 Jul 08 j 06:50	16° \approx 07'12		conjunction	-6504 Apr 09 j 08:17	29° \approx 16'05	-2°16'14
	-6511 Sep 14 j 02:39	15° \approx		minimum elong	-6504 Apr 09 j 08:18	29° \approx 16'05	2°16'30
opposition	-6511 Sep 24 j 07:18	14° \approx 42'41	-2°33'53	max. Earth dist.	-6504 Apr 09 j 05:29	29° \approx 15'50	30.91963 AU
min. Earth dist.	-6511 Sep 24 j 04:38	14° \approx 42'53	28.87836 AU	morning rise	-6504 Apr 25 j 13:51	29° \approx 52'00	
direct	-6511 Dec 11 j 09:29	13° \approx 17'50			-6504 Apr 29 j 06:46	0° \approx	
	-6510 Mar 04 j 07:58	15° \approx		retrograde	-6504 Jul 23 j 17:41	1° \approx 47'40	
evening set	-6510 Mar 10 j 11:19	15° \approx 13'11		opposition	-6504 Oct 09 j 07:54	0° \approx 23'47	-2°24'39
				min. Earth dist.	-6504 Oct 09 j 11:25	0° \approx 23'32	28.92432 AU
conjunction	-6510 Mar 26 j 16:51	15° \approx 49'05	-2°23'38		-6504 Oct 23 j 10:42	30° \approx	
minimum elong	-6510 Mar 26 j 16:51	15° \approx 49'06	2°23'58	direct	-6504 Dec 26 j 19:24	28° \approx 58'46	
max. Earth dist.	-6510 Mar 26 j 19:58	15° \approx 49'23	30.87854 AU		-6503 Feb 27 j 10:47	0° \approx	
morning rise	-6510 Apr 11 j 22:40	16° \approx 25'03		evening set	-6503 Mar 26 j 16:29	0° \approx 54'47	
retrograde	-6510 Jul 10 j 19:33	18° \approx 21'29					
opposition	-6510 Sep 26 j 17:38	16° \approx 57'02	-2°33'15	conjunction	-6503 Apr 11 j 22:50	1° \approx 30'44	-2°14'16
min. Earth dist.	-6510 Sep 26 j 14:35	16° \approx 57'15	28.88280 AU	minimum elong	-6503 Apr 11 j 22:51	1° \approx 30'44	2°14'30
direct	-6510 Dec 13 j 22:18	15° \approx 32'07		max. Earth dist.	-6503 Apr 11 j 17:46	1° \approx 30'16	30.92546 AU
evening set	-6509 Mar 13 j 01:42	17° \approx 27'33		morning rise	-6503 Apr 28 j 04:28	2° \approx 06'38	
				retrograde	-6503 Jul 26 j 07:28	4° \approx 02'08	
conjunction	-6509 Mar 29 j 07:20	18° \approx 03'28	-2°22'57	opposition	-6503 Oct 11 j 18:17	2° \approx 38'19	-2°22'26
minimum elong	-6509 Mar 29 j 07:21	18° \approx 03'28	2°23'15	min. Earth dist.	-6503 Oct 11 j 22:07	2° \approx 38'03	28.92965 AU
max. Earth dist.	-6509 Mar 29 j 09:20	18° \approx 03'39	30.88365 AU	direct	-6503 Dec 29 j 09:16	1° \approx 13'15	
morning rise	-6509 Apr 14 j 13:11	18° \approx 39'25		evening set	-6502 Mar 29 j 06:43	3° \approx 09'19	
retrograde	-6509 Jul 13 j 07:15	20° \approx 35'42					
opposition	-6509 Sep 29 j 04:00	19° \approx 11'20	-2°32'24	conjunction	-6502 Apr 14 j 13:14	3° \approx 45'17	-2°12'06
min. Earth dist.	-6509 Sep 29 j 02:32	19° \approx 11'26	28.88864 AU	minimum elong	-6502 Apr 14 j 13:15	3° \approx 45'17	2°12'20
direct	-6509 Dec 16 j 08:32	17° \approx 46'23		max. Earth dist.	-6502 Apr 14 j 07:36	3° \approx 44'45	30.93037 AU
evening set	-6508 Mar 14 j 16:03	19° \approx 41'54		morning rise	-6502 Apr 30 j 18:41	4° \approx 21'10	

Attention, astronomical year style is used: The year -6502 in astronomical counting style is the year 6503 BCE in historical counting style.

retrograde	-6502 Jul 28 j 18:07	6° \mathbf{H} 16'31		minimum elong	-6495 Apr 30 j 15:58	19° \mathbf{H} 22'24	1°51'49
opposition	-6502 Oct 14 j 04:45	4° \mathbf{H} 52'44	-2°20'01	max. Earth dist.	-6495 Apr 30 j 04:41	19° \mathbf{H} 21'21	30.97505 AU
min. Earth dist.	-6502 Oct 14 j 10:36	4° \mathbf{H} 52'19	28.93423 AU	morning rise	-6495 May 16 j 20:28	19° \mathbf{H} 58'11	
direct	-6502 Dec 31 j 21:44	3° \mathbf{H} 27'36		retrograde	-6495 Aug 12 j 22:46	21° \mathbf{H} 52'22	
evening set	-6501 Mar 31 j 21:04	5° \mathbf{H} 23'43		opposition	-6495 Oct 29 j 04:13	20° \mathbf{H} 29'01	-1°57'31
				min. Earth dist.	-6495 Oct 29 j 14:54	20° \mathbf{H} 28'15	28.98138 AU
conjunction	-6501 Apr 17 j 03:38	5° \mathbf{H} 59'40	-2°09'45	direct	-6494 Jan 16 j 08:58	19° \mathbf{H} 03'35	
minimum elong	-6501 Apr 17 j 03:39	5° \mathbf{H} 59'40	2°09'57	evening set	-6494 Apr 16 j 23:00	21° \mathbf{H} 00'00	
max. Earth dist.	-6501 Apr 16 j 20:37	5° \mathbf{H} 59'01	30.93489 AU				
morning rise	-6501 May 03 j 09:05	6° \mathbf{H} 35'33		conjunction	-6494 May 03 j 05:33	21° \mathbf{H} 35'56	-1°48'04
retrograde	-6501 Jul 31 j 06:47	8° \mathbf{H} 30'42		minimum elong	-6494 May 03 j 05:34	21° \mathbf{H} 35'56	1°48'11
opposition	-6501 Oct 16 j 14:51	7° \mathbf{H} 06'58	-2°17'23	max. Earth dist.	-6494 May 02 j 16:33	21° \mathbf{H} 34'43	30.98560 AU
min. Earth dist.	-6501 Oct 16 j 20:43	7° \mathbf{H} 06'33	28.93853 AU	morning rise	-6494 May 19 j 10:04	22° \mathbf{H} 11'41	
direct	-6500 Jan 03 j 11:11	5° \mathbf{H} 41'46		retrograde	-6494 Aug 15 j 11:23	24° \mathbf{H} 05'46	
evening set	-6500 Apr 02 j 11:23	7° \mathbf{H} 37'55		opposition	-6494 Oct 31 j 14:25	22° \mathbf{H} 42'30	-1°53'33
				min. Earth dist.	-6494 Nov 01 j 01:07	22° \mathbf{H} 41'45	28.99201 AU
conjunction	-6500 Apr 18 j 18:00	8° \mathbf{H} 13'52	-2°07'12	direct	-6493 Jan 18 j 22:07	21° \mathbf{H} 17'05	
minimum elong	-6500 Apr 18 j 18:01	8° \mathbf{H} 13'53	2°07'24	evening set	-6493 Apr 19 j 12:53	23° \mathbf{H} 13'34	
max. Earth dist.	-6500 Apr 18 j 09:45	8° \mathbf{H} 13'07	30.93923 AU				
morning rise	-6500 May 04 j 23:20	8° \mathbf{H} 49'44		conjunction	-6493 May 05 j 19:29	23° \mathbf{H} 49'30	-1°44'17
retrograde	-6500 Aug 01 j 18:33	10° \mathbf{H} 44'42		minimum elong	-6493 May 05 j 19:30	23° \mathbf{H} 49'30	1°44'22
opposition	-6500 Oct 18 j 01:11	9° \mathbf{H} 21'01	-2°14'34	max. Earth dist.	-6493 May 05 j 06:14	23° \mathbf{H} 48'16	30.99619 AU
min. Earth dist.	-6500 Oct 18 j 08:46	9° \mathbf{H} 20'28	28.94306 AU	morning rise	-6493 May 21 j 23:39	24° \mathbf{H} 25'14	
direct	-6499 Jan 04 j 22:30	7° \mathbf{H} 55'44		retrograde	-6493 Aug 17 j 21:50	26° \mathbf{H} 19'11	
evening set	-6499 Apr 05 j 01:26	9° \mathbf{H} 51'55		opposition	-6493 Nov 03 j 00:43	24° \mathbf{H} 56'01	-1°49'25
				min. Earth dist.	-6493 Nov 03 j 13:24	24° \mathbf{H} 55'07	29.00240 AU
conjunction	-6499 Apr 21 j 08:08	10° \mathbf{H} 27'52	-2°04'27	direct	-6492 Jan 21 j 09:58	23° \mathbf{H} 30'37	
minimum elong	-6499 Apr 21 j 08:09	10° \mathbf{H} 27'52	2°04'38	evening set	-6492 Apr 21 j 02:53	25° \mathbf{H} 27'09	
max. Earth dist.	-6499 Apr 20 j 23:31	10° \mathbf{H} 27'04	30.94409 AU				
morning rise	-6499 May 07 j 13:17	11° \mathbf{H} 03'43		conjunction	-6492 May 07 j 09:19	26° \mathbf{H} 03'04	-1°40'21
retrograde	-6499 Aug 04 j 05:23	12° \mathbf{H} 58'30		minimum elong	-6492 May 07 j 09:20	26° \mathbf{H} 03'04	1°40'25
opposition	-6499 Oct 20 j 11:21	11° \mathbf{H} 34'51	-2°11'32	max. Earth dist.	-6492 May 06 j 18:37	26° \mathbf{H} 01'42	31.00637 AU
min. Earth dist.	-6499 Oct 20 j 18:57	11° \mathbf{H} 34'19	28.94820 AU	morning rise	-6492 May 23 j 13:21	26° \mathbf{H} 38'47	
direct	-6498 Jan 07 j 11:12	10° \mathbf{H} 09'31		retrograde	-6492 Aug 19 j 10:37	28° \mathbf{H} 32'36	
evening set	-6498 Apr 07 j 15:31	12° \mathbf{H} 05'44		opposition	-6492 Nov 04 j 11:04	27° \mathbf{H} 09'31	-1°45'07
				min. Earth dist.	-6492 Nov 04 j 23:45	27° \mathbf{H} 08'37	29.01206 AU
conjunction	-6498 Apr 23 j 22:06	12° \mathbf{H} 41'40	-2°01'32	direct	-6491 Jan 22 j 23:41	25° \mathbf{H} 44'07	
minimum elong	-6498 Apr 23 j 22:07	12° \mathbf{H} 41'41	2°01'42	evening set	-6491 Apr 23 j 16:42	27° \mathbf{H} 40'41	
max. Earth dist.	-6498 Apr 23 j 11:57	12° \mathbf{H} 40'44	30.94982 AU				
morning rise	-6498 May 10 j 03:13	13° \mathbf{H} 17'30		conjunction	-6491 May 09 j 23:00	28° \mathbf{H} 16'35	-1°36'15
retrograde	-6498 Aug 06 j 15:27	15° \mathbf{H} 12'08		minimum elong	-6491 May 09 j 23:01	28° \mathbf{H} 16'36	1°36'18
opposition	-6498 Oct 22 j 21:32	13° \mathbf{H} 48'31	-2°08'19	max. Earth dist.	-6491 May 09 j 07:10	28° \mathbf{H} 15'07	31.01552 AU
min. Earth dist.	-6498 Oct 23 j 06:10	13° \mathbf{H} 47'55	28.95461 AU	morning rise	-6491 May 26 j 02:43	28° \mathbf{H} 52'17	
direct	-6497 Jan 09 j 22:05	12° \mathbf{H} 23'08			-6491 Jun 29 j 22:05	0° \mathbf{Y}	
evening set	-6497 Apr 10 j 05:19	14° \mathbf{H} 19'23		retrograde	-6491 Aug 21 j 22:15	0° \mathbf{Y} 45'58	
					-6491 Oct 15 j 05:31	30° \mathbf{R} \mathbf{H}	
conjunction	-6497 Apr 26 j 12:07	14° \mathbf{H} 55'20	-1°58'26	opposition	-6491 Nov 06 j 21:34	29° \mathbf{H} 22'57	-1°40'41
minimum elong	-6497 Apr 26 j 12:08	14° \mathbf{H} 55'20	1°58'34	min. Earth dist.	-6491 Nov 07 j 12:01	29° \mathbf{H} 21'56	29.02076 AU
max. Earth dist.	-6497 Apr 26 j 02:19	14° \mathbf{H} 54'25	30.95692 AU	direct	-6490 Jan 25 j 11:43	27° \mathbf{H} 57'32	
morning rise	-6497 May 12 j 16:59	15° \mathbf{H} 31'08		evening set	-6490 Apr 26 j 06:24	29° \mathbf{H} 54'07	
retrograde	-6497 Aug 09 j 01:09	17° \mathbf{H} 25'36			-6490 Apr 28 j 23:16	0° \mathbf{Y}	
opposition	-6497 Oct 25 j 07:46	16° \mathbf{H} 02'04	-2°04'54				
min. Earth dist.	-6497 Oct 25 j 16:55	16° \mathbf{H} 01'25	28.96224 AU	conjunction	-6490 May 12 j 12:39	0° \mathbf{Y} 30'01	-1°32'02
direct	-6496 Jan 12 j 10:13	14° \mathbf{H} 36'39		minimum elong	-6490 May 12 j 12:40	0° \mathbf{Y} 30'01	1°32'05
evening set	-6496 Apr 11 j 19:23	16° \mathbf{H} 32'56		max. Earth dist.	-6490 May 11 j 20:06	0° \mathbf{Y} 28'29	31.02383 AU
				morning rise	-6490 May 28 j 16:07	1° \mathbf{Y} 05'42	
conjunction	-6496 Apr 28 j 01:59	17° \mathbf{H} 08'53	-1°55'09	retrograde	-6490 Aug 24 j 09:00	2° \mathbf{Y} 59'13	
minimum elong	-6496 Apr 28 j 02:00	17° \mathbf{H} 08'53	1°55'17	opposition	-6490 Nov 09 j 07:50	1° \mathbf{Y} 36'16	-1°36'05
max. Earth dist.	-6496 Apr 27 j 14:21	17° \mathbf{H} 07'48	30.96536 AU	min. Earth dist.	-6490 Nov 09 j 22:35	1° \mathbf{Y} 35'13	29.02846 AU
morning rise	-6496 May 14 j 06:50	17° \mathbf{H} 44'41		direct	-6489 Jan 28 j 01:14	0° \mathbf{Y} 10'49	
retrograde	-6496 Aug 10 j 13:02	19° \mathbf{H} 39'00		evening set	-6489 Apr 28 j 20:08	2° \mathbf{Y} 07'25	
opposition	-6496 Oct 26 j 17:54	18° \mathbf{H} 15'33	-2°01'18	max. Earth dist.	-6489 May 14 j 07:50	2° \mathbf{Y} 41'36	31.03121 AU
min. Earth dist.	-6496 Oct 27 j 03:19	18° \mathbf{H} 14'52	28.97132 AU				
direct	-6495 Jan 13 j 20:41	16° \mathbf{H} 50'06		conjunction	-6489 May 15 j 02:09	2° \mathbf{Y} 43'18	-1°27'40
evening set	-6495 Apr 14 j 09:13	18° \mathbf{H} 46'28		minimum elong	-6489 May 15 j 02:10	2° \mathbf{Y} 43'18	1°27'42
				morning rise	-6489 May 31 j 05:26	3° \mathbf{Y} 18'58	
conjunction	-6495 Apr 30 j 15:57	19° \mathbf{H} 22'24	-1°51'42	retrograde	-6489 Aug 26 j 19:25	5° \mathbf{Y} 12'20	

Attention, astronomical year style is used: The year -6489 in astronomical counting style is the year 6490 BCE in historical counting style.

opposition	-6489 Nov 11 j 18:15	3° Υ 49'25	-1°31'22	max. Earth dist.	-6482 May 29 j 23:33	18° Υ 10'11	31.09123 AU
min. Earth dist.	-6489 Nov 12 j 10:14	3° Υ 48'18	29.03554 AU	morning rise	-6482 Jun 15 j 21:50	18° Υ 47'38	
direct	-6488 Jan 30 j 12:32	2° Υ 23'56		retrograde	-6482 Sep 10 j 21:29	20° Υ 40'12	
evening set	-6488 Apr 30 j 09:38	4° Υ 20'32		opposition	-6482 Nov 26 j 18:53	19° Υ 17'44	-0°55'03
				min. Earth dist.	-6482 Nov 27 j 14:29	19° Υ 16'22	29.09754 AU
conjunction	-6488 May 16 j 15:37	4° Υ 56'25	-1°23'11	direct	-6481 Feb 15 j 01:50	17° Υ 52'16	
minimum elong	-6488 May 16 j 15:38	4° Υ 56'25	1°23'12	evening set	-6481 May 17 j 05:38	19° Υ 49'02	
max. Earth dist.	-6488 May 15 j 21:28	4° Υ 54'44	31.03810 AU	max. Earth dist.	-6481 Jun 01 j 11:58	20° Υ 22'45	31.10291 AU
morning rise	-6488 Jun 01 j 18:29	5° Υ 32'02					
retrograde	-6488 Aug 28 j 04:41	7° Υ 25'15		conjunction	-6481 Jun 02 j 09:43	20° Υ 24'46	-0°48'52
opposition	-6488 Nov 13 j 04:34	6° Υ 02'24	-1°26'31	minimum elong	-6481 Jun 02 j 09:44	20° Υ 24'46	0°48'45
min. Earth dist.	-6488 Nov 13 j 21:21	6° Υ 01'13	29.04218 AU	morning rise	-6481 Jun 18 j 10:08	21° Υ 00'12	
direct	-6487 Feb 01 j 01:02	4° Υ 36'52		retrograde	-6481 Sep 13 j 08:06	22° Υ 52'42	
evening set	-6487 May 02 j 23:09	6° Υ 33'28		opposition	-6481 Nov 29 j 05:26	21° Υ 30'20	-0°49'28
max. Earth dist.	-6487 May 18 j 08:51	7° Υ 07'29	31.04489 AU	min. Earth dist.	-6481 Nov 30 j 01:04	21° Υ 28'57	29.10893 AU
				direct	-6480 Feb 17 j 15:33	20° Υ 04'54	
conjunction	-6487 May 19 j 04:46	7° Υ 09'20	-1°18'36	evening set	-6480 May 18 j 18:42	22° Υ 01'42	
minimum elong	-6487 May 19 j 04:47	7° Υ 09'20	1°18'35				
morning rise	-6487 Jun 04 j 07:29	7° Υ 44'56		conjunction	-6480 Jun 03 j 22:18	22° Υ 37'25	-0°43'37
retrograde	-6487 Aug 30 j 15:49	9° Υ 38'00		minimum elong	-6480 Jun 03 j 22:18	22° Υ 37'25	0°43'29
opposition	-6487 Nov 15 j 14:55	8° Υ 15'11	-1°21'32	max. Earth dist.	-6480 Jun 02 j 23:12	22° Υ 35'16	31.11401 AU
min. Earth dist.	-6487 Nov 16 j 07:50	8° Υ 13'59	29.04916 AU	morning rise	-6480 Jun 19 j 22:17	23° Υ 12'50	
direct	-6486 Feb 03 j 11:41	6° Υ 49'37		retrograde	-6480 Sep 14 j 19:02	25° Υ 05'15	
evening set	-6486 May 05 j 12:12	8° Υ 46'14		opposition	-6480 Nov 30 j 16:07	23° Υ 42'58	-0°43'49
				min. Earth dist.	-6480 Dec 01 j 12:45	23° Υ 41'31	29.11971 AU
conjunction	-6486 May 21 j 17:48	9° Υ 22'04	-1°13'53	direct	-6479 Feb 19 j 02:45	22° Υ 17'34	
minimum elong	-6486 May 21 j 17:49	9° Υ 22'04	1°13'51	evening set	-6479 May 21 j 07:36	24° Υ 14'23	
max. Earth dist.	-6486 May 20 j 22:28	9° Υ 20'16	31.05213 AU				
morning rise	-6486 Jun 06 j 20:03	9° Υ 57'39		conjunction	-6479 Jun 06 j 10:56	24° Υ 50'05	-0°38'18
retrograde	-6486 Sep 02 j 00:23	11° Υ 50'35		minimum elong	-6479 Jun 06 j 10:56	24° Υ 50'05	0°38'10
opposition	-6486 Nov 18 j 01:20	10° Υ 27'48	-1°16'27	max. Earth dist.	-6479 Jun 05 j 12:05	24° Υ 47'58	31.12427 AU
min. Earth dist.	-6486 Nov 18 j 19:22	10° Υ 26'32	29.05669 AU	morning rise	-6479 Jun 22 j 10:21	25° Υ 25'27	
direct	-6485 Feb 06 j 00:12	9° Υ 02'14		retrograde	-6479 Sep 17 j 04:51	27° Υ 17'48	
evening set	-6485 May 08 j 01:30	10° Υ 58'51		opposition	-6479 Dec 03 j 02:53	25° Υ 55'35	-0°38'07
max. Earth dist.	-6485 May 23 j 09:53	11° Υ 32'44	31.06025 AU	min. Earth dist.	-6479 Dec 04 j 00:17	25° Υ 54'05	29.12930 AU
				direct	-6478 Feb 21 j 15:42	24° Υ 30'12	
conjunction	-6485 May 24 j 06:42	11° Υ 34'40	-1°09'04	evening set	-6478 May 23 j 20:28	26° Υ 27'01	
minimum elong	-6485 May 24 j 06:42	11° Υ 34'40	1°09'01				
morning rise	-6485 Jun 09 j 08:46	12° Υ 10'13		conjunction	-6478 Jun 08 j 23:15	27° Υ 02'41	-0°32'56
retrograde	-6485 Sep 04 j 11:51	14° Υ 03'02		minimum elong	-6478 Jun 08 j 23:15	27° Υ 02'41	0°32'47
opposition	-6485 Nov 20 j 11:32	12° Υ 40'18	-1°11'15	max. Earth dist.	-6478 Jun 07 j 22:37	27° Υ 00'24	31.13326 AU
min. Earth dist.	-6485 Nov 21 j 05:07	12° Υ 39'04	29.06531 AU	morning rise	-6478 Jun 24 j 22:22	27° Υ 38'02	
direct	-6484 Feb 08 j 12:50	11° Υ 14'43		retrograde	-6478 Sep 19 j 15:43	29° Υ 30'17	
evening set	-6484 May 09 j 14:39	13° Υ 11'22		opposition	-6478 Dec 05 j 13:36	28° Υ 08'07	-0°32'21
				min. Earth dist.	-6478 Dec 06 j 11:13	28° Υ 06'36	29.13767 AU
conjunction	-6484 May 25 j 19:41	13° Υ 47'10	-1°04'09	direct	-6477 Feb 24 j 02:58	26° Υ 42'44	
minimum elong	-6484 May 25 j 19:42	13° Υ 47'10	1°04'06	evening set	-6477 May 26 j 09:14	28° Υ 39'32	
max. Earth dist.	-6484 May 24 j 23:16	13° Υ 45'16	31.06946 AU	max. Earth dist.	-6477 Jun 10 j 11:28	29° Υ 12'54	31.14094 AU
morning rise	-6484 Jun 10 j 21:13	14° Υ 22'41					
retrograde	-6484 Sep 05 j 21:35	16° Υ 15'25		conjunction	-6477 Jun 11 j 11:45	29° Υ 15'10	-0°27'32
opposition	-6484 Nov 21 j 22:05	14° Υ 52'45	-1°05'57	minimum elong	-6477 Jun 11 j 11:45	29° Υ 15'10	0°27'22
min. Earth dist.	-6484 Nov 22 j 17:00	14° Υ 51'26	29.07511 AU	morning rise	-6477 Jun 27 j 10:12	29° Υ 50'28	
direct	-6483 Feb 10 j 00:05	13° Υ 27'12			-6477 Jul 01 j 20:24	0° \mathcal{B}	
evening set	-6483 May 12 j 03:38	15° Υ 23'52		retrograde	-6477 Sep 21 j 23:31	1° \mathcal{B} 42'37	
max. Earth dist.	-6483 May 27 j 11:11	15° Υ 57'41	31.07996 AU	opposition	-6477 Dec 08 j 00:22	0° \mathcal{B} 20'29	-0°26'33
				min. Earth dist.	-6477 Dec 08 j 23:21	0° \mathcal{B} 18'53	29.14469 AU
conjunction	-6483 May 28 j 08:17	15° Υ 59'39	-0°59'09		-6477 Dec 20 j 09:21	30° $\mathcal{R}\Upsilon$	
minimum elong	-6483 May 28 j 08:18	15° Υ 59'39	0°59'04	direct	-6476 Feb 26 j 15:32	28° Υ 55'05	
morning rise	-6483 Jun 13 j 09:33	16° Υ 35'09			-6476 May 02 j 06:19	0° \mathcal{B}	
retrograde	-6483 Sep 08 j 09:44	18° Υ 27'47		evening set	-6476 May 27 j 22:04	0° \mathcal{B} 51'52	
opposition	-6483 Nov 24 j 08:28	17° Υ 05'13	-1°00'32				
min. Earth dist.	-6483 Nov 25 j 02:44	17° Υ 03'56	29.08599 AU	conjunction	-6476 Jun 12 j 23:57	1° \mathcal{B} 27'27	-0°22'05
direct	-6482 Feb 12 j 13:46	15° Υ 39'42		minimum elong	-6476 Jun 12 j 23:58	1° \mathcal{B} 27'27	0°21'54
evening set	-6482 May 14 j 16:39	17° Υ 36'25		max. Earth dist.	-6476 Jun 11 j 22:04	1° \mathcal{B} 25'03	31.14756 AU
				morning rise	-6476 Jun 28 j 22:04	2° \mathcal{B} 02'43	
conjunction	-6482 May 30 j 21:01	18° Υ 12'10	-0°54'03	retrograde	-6476 Sep 23 j 10:17	3° \mathcal{B} 54'47	
minimum elong	-6482 May 30 j 21:02	18° Υ 12'10	0°53'58	opposition	-6476 Dec 09 j 11:06	2° \mathcal{B} 32'39	-0°20'43

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

min. Earth dist.	-6476 Dec 10 j 09:42	2° 8 31'05	29.15086 AU	max. Earth dist.	-6470 Jun 25 j 20:34	14° 8 34'37	31.18812 AU
direct	-6475 Feb 28 j 03:30	1° 8 07'13			-6470 Jul 07 j 05:32	15° 8	
evening set	-6475 May 30 j 10:24	3° 8 03'58		morning rise	-6470 Jul 12 j 16:31	15° 8 11'59	
max. Earth dist.	-6475 Jun 14 j 10:29	3° 8 37'09	31.15337 AU	retrograde	-6470 Oct 06 j 23:12	17° 8 03'42	
				opposition	-6470 Dec 23 j 04:08	15° 8 41'43	0°14'29
conjunction	-6475 Jun 15 j 11:57	3° 8 39'31	-0°16'38	min. Earth dist.	-6470 Dec 24 j 03:58	15° 8 40'04	29.19299 AU
minimum elong	-6475 Jun 15 j 11:57	3° 8 39'31	0°16'26		-6469 Jan 18 j 10:41	15° 8	
morning rise	-6475 Jul 01 j 09:24	4° 8 14'45		direct	-6469 Mar 14 j 07:12	14° 8 16'20	
retrograde	-6475 Sep 25 j 19:14	6° 8 06'43			-6469 May 06 j 09:35	15° 8	
opposition	-6475 Dec 11 j 21:59	4° 8 44'35	-0°14'52	evening set	-6469 Jun 13 j 10:59	16° 8 13'01	
min. Earth dist.	-6475 Dec 12 j 21:59	4° 8 42'55	29.15653 AU	max. Earth dist.	-6469 Jun 28 j 06:47	16° 8 45'53	31.19734 AU
direct	-6474 Mar 02 j 14:36	3° 8 19'08					
evening set	-6474 Jun 01 j 22:48	5° 8 15'50		conjunction	-6469 Jun 29 j 09:07	16° 8 48'20	0°16'22
				minimum elong	-6469 Jun 29 j 09:06	16° 8 48'20	0°16'39
conjunction	-6474 Jun 17 j 23:47	5° 8 51'21	-0°11'09	morning rise	-6469 Jul 15 j 03:18	17° 8 23'19	
minimum elong	-6474 Jun 17 j 23:47	5° 8 51'21	0°10'57	retrograde	-6469 Oct 09 j 10:12	19° 8 15'01	
behind sun begin	-6474 Jun 17 j 18:52	5° 8 50'54		opposition	-6469 Dec 25 j 15:03	17° 8 53'06	0°20'20
behind sun end	-6474 Jun 18 j 04:41	5° 8 51'47		min. Earth dist.	-6469 Dec 26 j 14:31	17° 8 51'29	29.20232 AU
max. Earth dist.	-6474 Jun 16 j 21:42	5° 8 48'55	31.15906 AU	direct	-6468 Mar 15 j 18:19	16° 8 27'48	
morning rise	-6474 Jul 03 j 20:49	6° 8 26'32		evening set	-6468 Jun 14 j 22:49	18° 8 24'30	
retrograde	-6474 Sep 28 j 06:05	8° 8 18'24					
opposition	-6474 Dec 14 j 08:33	6° 8 56'16	-0°09'00	conjunction	-6468 Jun 30 j 20:29	18° 8 59'47	0°21'49
min. Earth dist.	-6474 Dec 15 j 07:50	6° 8 54'39	29.16224 AU	minimum elong	-6468 Jun 30 j 20:29	18° 8 59'47	0°22'07
direct	-6473 Mar 05 j 04:44	5° 8 30'47		max. Earth dist.	-6468 Jun 29 j 19:10	18° 8 57'25	31.20650 AU
evening set	-6473 Jun 04 j 11:02	7° 8 27'28		morning rise	-6468 Jul 16 j 13:53	19° 8 34'43	
max. Earth dist.	-6473 Jun 19 j 09:24	8° 8 00'31	31.16492 AU	retrograde	-6468 Oct 10 j 18:24	21° 8 26'26	
				opposition	-6468 Dec 27 j 02:20	20° 8 04'36	0°26'08
conjunction	-6473 Jun 20 j 11:32	8° 8 02'56	-0°05'41	min. Earth dist.	-6468 Dec 28 j 02:43	20° 8 02'55	29.21123 AU
minimum elong	-6473 Jun 20 j 11:32	8° 8 02'56	0°05'28	direct	-6467 Mar 18 j 06:17	18° 8 39'22	
behind sun begin	-6473 Jun 20 j 05:15	8° 8 02'23		evening set	-6467 Jun 17 j 10:37	20° 8 36'04	
behind sun end	-6473 Jun 20 j 17:50	8° 8 03'30		max. Earth dist.	-6467 Jul 02 j 05:03	21° 8 08'50	31.21504 AU
morning rise	-6473 Jul 06 j 07:58	8° 8 38'05					
retrograde	-6473 Sep 30 j 16:48	10° 8 29'54		conjunction	-6467 Jul 03 j 07:29	21° 8 11'18	0°27'14
opposition	-6473 Dec 16 j 19:25	9° 8 07'45	-0°03'07	minimum elong	-6467 Jul 03 j 07:29	21° 8 11'18	0°27'32
min. Earth dist.	-6473 Dec 17 j 19:33	9° 8 06'05	29.16853 AU	morning rise	-6467 Jul 19 j 00:26	21° 8 46'12	
direct	-6472 Mar 06 j 16:51	7° 8 42'16		retrograde	-6467 Oct 13 j 05:19	23° 8 37'56	
evening set	-6472 Jun 05 j 23:06	9° 8 38'56		opposition	-6467 Dec 29 j 13:29	22° 8 16'09	0°31'54
				min. Earth dist.	-6467 Dec 30 j 13:12	22° 8 14'31	29.21931 AU
conjunction	-6472 Jun 21 j 23:01	10° 8 14'21	-0°00'07	direct	-6466 Mar 20 j 17:22	20° 8 50'58	
minimum elong	-6472 Jun 21 j 23:03	10° 8 14'21	0°00'08	evening set	-6466 Jun 19 j 22:23	22° 8 47'40	
behind sun begin	-6472 Jun 21 j 16:41	10° 8 13'47					
behind sun end	-6472 Jun 22 j 05:25	10° 8 14'55		conjunction	-6466 Jul 05 j 18:44	23° 8 22'52	0°32'36
max. Earth dist.	-6472 Jun 20 j 21:17	10° 8 11'58	31.17164 AU	minimum elong	-6466 Jul 05 j 18:44	23° 8 22'52	0°32'55
asc. node	-6472 Jun 30 j 04:53	10° 8 32'46		max. Earth dist.	-6466 Jul 04 j 16:46	23° 8 20'27	31.22242 AU
morning rise	-6472 Jul 07 j 18:54	10° 8 49'27		morning rise	-6466 Jul 21 j 10:54	23° 8 57'44	
retrograde	-6472 Oct 02 j 02:42	12° 8 41'12		retrograde	-6466 Oct 15 j 14:30	25° 8 49'29	
opposition	-6472 Dec 18 j 06:18	11° 8 19'06	0°02'45	opposition	-6465 Jan 01 j 00:43	24° 8 27'43	0°37'37
min. Earth dist.	-6472 Dec 19 j 05:47	11° 8 17'29	29.17566 AU	min. Earth dist.	-6465 Jan 02 j 01:48	24° 8 26'00	29.22614 AU
direct	-6471 Mar 09 j 06:40	9° 8 53'38		direct	-6465 Mar 23 j 03:44	23° 8 02'34	
evening set	-6471 Jun 08 j 11:10	11° 8 50'17		evening set	-6465 Jun 22 j 10:13	24° 8 59'16	
max. Earth dist.	-6471 Jun 23 j 08:08	12° 8 23'13	31.17934 AU	max. Earth dist.	-6465 Jul 07 j 03:15	25° 8 31'56	31.22860 AU
conjunction	-6471 Jun 24 j 10:29	12° 8 25'40	0°05'27	conjunction	-6465 Jul 08 j 05:49	25° 8 34'25	0°37'56
minimum elong	-6471 Jun 24 j 10:29	12° 8 25'40	0°05'41	minimum elong	-6465 Jul 08 j 05:49	25° 8 34'25	0°38'15
behind sun begin	-6471 Jun 24 j 04:14	12° 8 25'07		morning rise	-6465 Jul 23 j 21:27	26° 8 09'15	
behind sun end	-6471 Jun 24 j 16:44	12° 8 26'13		retrograde	-6465 Oct 18 j 01:25	28° 8 00'59	
morning rise	-6471 Jul 10 j 05:48	13° 8 00'44		opposition	-6464 Jan 03 j 12:00	26° 8 39'15	0°43'17
retrograde	-6471 Oct 04 j 13:38	14° 8 52'27		min. Earth dist.	-6464 Jan 04 j 12:20	26° 8 37'35	29.23161 AU
opposition	-6471 Dec 20 j 17:10	13° 8 30'24	0°08'38	direct	-6464 Mar 24 j 17:39	25° 8 14'07	
min. Earth dist.	-6471 Dec 21 j 16:49	13° 8 28'45	29.18400 AU	evening set	-6464 Jun 23 j 21:47	27° 8 10'48	
direct	-6470 Mar 11 j 17:57	12° 8 04'58					
evening set	-6470 Jun 10 j 22:57	14° 8 01'37		conjunction	-6464 Jul 09 j 16:45	27° 8 45'54	0°43'12
				minimum elong	-6464 Jul 09 j 16:44	27° 8 45'54	0°43'32
conjunction	-6470 Jun 26 j 21:51	14° 8 36'58	0°10'54	max. Earth dist.	-6464 Jul 08 j 14:03	27° 8 43'24	31.23336 AU
minimum elong	-6470 Jun 26 j 21:51	14° 8 36'58	0°11'11	morning rise	-6464 Jul 25 j 07:40	28° 8 20'40	
behind sun begin	-6470 Jun 26 j 17:02	14° 8 36'33			-6464 Sep 22 j 15:43	0° II	
behind sun end	-6470 Jun 27 j 02:39	14° 8 37'24		retrograde	-6464 Oct 19 j 12:25	0° II 12'25	

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

	-6464 Nov 15 j 20:58	30° \mathbb{R} 8		evening set	-6457 Jul 10 j 03:15	12° \mathbb{II} 27'17	
opposition	-6463 Jan 04 j 23:28	28° \mathbb{R} 50'40	0°48'53				
min. Earth dist.	-6463 Jan 06 j 00:40	28° \mathbb{R} 48'57	29.23596 AU	conjunction	-6457 Jul 25 j 17:27	13° \mathbb{II} 02'03	1°17'47
direct	-6463 Mar 27 j 05:12	27° \mathbb{R} 25'33		minimum elong	-6457 Jul 25 j 17:27	13° \mathbb{II} 02'03	1°18'10
evening set	-6463 Jun 26 j 09:15	29° \mathbb{R} 22'11		max. Earth dist.	-6457 Jul 24 j 17:45	12° \mathbb{II} 59'49	31.26366 AU
max. Earth dist.	-6463 Jul 11 j 01:14	29° \mathbb{R} 54'47	31.23723 AU	morning rise	-6457 Aug 10 j 03:52	13° \mathbb{II} 36'30	
				retrograde	-6457 Nov 04 j 08:48	15° \mathbb{II} 28'21	
conjunction	-6463 Jul 12 j 03:34	29° \mathbb{R} 57'15	0°48'24	opposition	-6456 Jan 21 j 07:38	14° \mathbb{II} 06'35	1°25'31
minimum elong	-6463 Jul 12 j 03:34	29° \mathbb{R} 57'15	0°48'44	min. Earth dist.	-6456 Jan 22 j 06:43	14° \mathbb{II} 05'00	29.26794 AU
	-6463 Jul 13 j 09:04	0° \mathbb{II}		direct	-6456 Apr 11 j 19:06	12° \mathbb{II} 41'37	
morning rise	-6463 Jul 27 j 17:52	0° \mathbb{II} 31'58		evening set	-6456 Jul 11 j 13:57	14° \mathbb{II} 38'00	
retrograde	-6463 Oct 21 j 22:07	2° \mathbb{II} 23'42		max. Earth dist.	-6456 Jul 26 j 03:56	15° \mathbb{II} 10'31	31.27053 AU
opposition	-6462 Jan 07 j 10:44	1° \mathbb{II} 01'57	0°54'24				
min. Earth dist.	-6462 Jan 08 j 11:27	1° \mathbb{II} 00'15	29.23940 AU	conjunction	-6456 Jul 27 j 03:22	15° \mathbb{II} 12'43	1°22'20
	-6462 Feb 18 j 15:04	30° \mathbb{R} 8		minimum elong	-6456 Jul 27 j 03:21	15° \mathbb{II} 12'43	1°22'44
direct	-6462 Mar 29 j 18:42	29° \mathbb{R} 36'49		morning rise	-6456 Aug 11 j 13:14	15° \mathbb{II} 47'08	
	-6462 May 07 j 02:55	0° \mathbb{II}		retrograde	-6456 Nov 05 j 19:11	17° \mathbb{II} 39'04	
evening set	-6462 Jun 28 j 20:33	1° \mathbb{II} 33'25		opposition	-6455 Jan 22 j 19:21	16° \mathbb{II} 17'19	1°30'19
max. Earth dist.	-6462 Jul 13 j 11:12	2° \mathbb{II} 05'54	31.24039 AU	min. Earth dist.	-6455 Jan 23 j 17:06	16° \mathbb{II} 15'50	29.27474 AU
				direct	-6455 Apr 14 j 07:31	14° \mathbb{II} 52'26	
conjunction	-6462 Jul 14 j 14:09	2° \mathbb{II} 08'25	0°53'31	evening set	-6455 Jul 14 j 00:40	16° \mathbb{II} 48'48	
minimum elong	-6462 Jul 14 j 14:08	2° \mathbb{II} 08'25	0°53'53				
morning rise	-6462 Jul 30 j 03:53	2° \mathbb{II} 43'06		conjunction	-6455 Jul 29 j 13:24	17° \mathbb{II} 23'28	1°26'46
retrograde	-6462 Oct 24 j 09:22	4° \mathbb{II} 34'49		minimum elong	-6455 Jul 29 j 13:24	17° \mathbb{II} 23'28	1°27'10
opposition	-6461 Jan 09 j 22:06	3° \mathbb{II} 13'02	0°59'50	max. Earth dist.	-6455 Jul 28 j 14:15	17° \mathbb{II} 21'18	31.27704 AU
min. Earth dist.	-6461 Jan 10 j 22:56	3° \mathbb{II} 11'20	29.24256 AU	morning rise	-6455 Aug 13 j 22:37	17° \mathbb{II} 57'50	
direct	-6461 Apr 01 j 06:55	1° \mathbb{II} 47'53		retrograde	-6455 Nov 08 j 06:15	19° \mathbb{II} 49'51	
evening set	-6461 Jul 01 j 07:40	3° \mathbb{II} 44'26		opposition	-6454 Jan 25 j 07:09	18° \mathbb{II} 28'08	1°34'59
max. Earth dist.	-6461 Jul 15 j 23:03	4° \mathbb{II} 17'00	31.24347 AU	min. Earth dist.	-6454 Jan 26 j 05:26	18° \mathbb{II} 26'37	29.28112 AU
				direct	-6454 Apr 16 j 17:27	17° \mathbb{II} 03'19	
conjunction	-6461 Jul 17 j 00:41	4° \mathbb{II} 19'23	0°58'33	evening set	-6454 Jul 16 j 11:20	18° \mathbb{II} 59'40	
minimum elong	-6461 Jul 17 j 00:40	4° \mathbb{II} 19'23	0°58'55				
morning rise	-6461 Aug 01 j 13:38	4° \mathbb{II} 54'01		conjunction	-6454 Jul 31 j 23:26	19° \mathbb{II} 34'17	1°31'04
retrograde	-6461 Oct 26 j 18:53	6° \mathbb{II} 45'44		minimum elong	-6454 Jul 31 j 23:25	19° \mathbb{II} 34'17	1°31'29
opposition	-6460 Jan 12 j 09:32	5° \mathbb{II} 23'55	1°05'10	max. Earth dist.	-6454 Jul 31 j 00:58	19° \mathbb{II} 32'11	31.28289 AU
min. Earth dist.	-6460 Jan 13 j 10:15	5° \mathbb{II} 22'14	29.24578 AU	morning rise	-6454 Aug 16 j 08:01	20° \mathbb{II} 08'37	
direct	-6460 Apr 02 j 21:22	3° \mathbb{II} 58'47		retrograde	-6454 Nov 10 j 16:28	22° \mathbb{II} 00'43	
evening set	-6460 Jul 02 j 18:49	5° \mathbb{II} 55'17		opposition	-6453 Jan 27 j 19:04	20° \mathbb{II} 39'00	1°39'31
max. Earth dist.	-6460 Jul 17 j 08:48	6° \mathbb{II} 27'44	31.24702 AU	min. Earth dist.	-6453 Jan 28 j 16:40	20° \mathbb{II} 37'32	29.28635 AU
				direct	-6453 Apr 19 j 06:25	19° \mathbb{II} 14'15	
conjunction	-6460 Jul 18 j 10:57	6° \mathbb{II} 30'11	1°03'31	evening set	-6453 Jul 18 j 22:03	21° \mathbb{II} 10'35	
minimum elong	-6460 Jul 18 j 10:57	6° \mathbb{II} 30'11	1°03'53	max. Earth dist.	-6453 Aug 02 j 10:18	21° \mathbb{II} 42'59	31.28741 AU
morning rise	-6460 Aug 02 j 23:25	7° \mathbb{II} 04'45					
retrograde	-6460 Oct 28 j 05:24	8° \mathbb{II} 56'30		conjunction	-6453 Aug 03 j 09:20	21° \mathbb{II} 45'09	1°35'15
opposition	-6459 Jan 13 j 21:00	7° \mathbb{II} 34'39	1°10'25	minimum elong	-6453 Aug 03 j 09:20	21° \mathbb{II} 45'09	1°35'39
min. Earth dist.	-6459 Jan 14 j 20:37	7° \mathbb{II} 33'02	29.24992 AU	morning rise	-6453 Aug 18 j 17:22	22° \mathbb{II} 19'26	
direct	-6459 Apr 05 j 08:54	6° \mathbb{II} 09'32		retrograde	-6453 Nov 13 j 04:29	24° \mathbb{II} 11'37	
evening set	-6459 Jul 05 j 05:32	8° \mathbb{II} 05'59		opposition	-6452 Jan 30 j 07:07	22° \mathbb{II} 49'54	1°43'54
				min. Earth dist.	-6452 Jan 31 j 04:41	22° \mathbb{II} 48'26	29.29037 AU
conjunction	-6459 Jul 20 j 21:10	8° \mathbb{II} 40'50	1°08'22	direct	-6452 Apr 20 j 18:09	21° \mathbb{II} 25'12	
minimum elong	-6459 Jul 20 j 21:10	8° \mathbb{II} 40'50	1°08'44	evening set	-6452 Jul 20 j 08:37	23° \mathbb{II} 21'30	
max. Earth dist.	-6459 Jul 19 j 20:40	8° \mathbb{II} 38'33	31.25156 AU				
morning rise	-6459 Aug 05 j 08:49	9° \mathbb{II} 15'22		conjunction	-6452 Aug 04 j 19:22	23° \mathbb{II} 56'01	1°39'17
retrograde	-6459 Oct 30 j 13:07	11° \mathbb{II} 07'08		minimum elong	-6452 Aug 04 j 19:21	23° \mathbb{II} 56'01	1°39'42
opposition	-6458 Jan 16 j 08:34	9° \mathbb{II} 45'18	1°15'34	max. Earth dist.	-6452 Aug 03 j 21:36	23° \mathbb{II} 53'58	31.29067 AU
min. Earth dist.	-6458 Jan 17 j 08:25	9° \mathbb{II} 43'40	29.25502 AU	morning rise	-6452 Aug 20 j 02:40	24° \mathbb{II} 30'16	
direct	-6458 Apr 07 j 21:24	8° \mathbb{II} 20'13		retrograde	-6452 Nov 14 j 14:39	26° \mathbb{II} 22'30	
evening set	-6458 Jul 07 j 16:28	10° \mathbb{II} 16'38		opposition	-6451 Jan 31 j 19:17	25° \mathbb{II} 00'47	1°48'08
max. Earth dist.	-6458 Jul 22 j 06:21	10° \mathbb{II} 49'06	31.25722 AU	min. Earth dist.	-6451 Feb 01 j 16:49	24° \mathbb{II} 59'19	29.29295 AU
				direct	-6451 Apr 23 j 08:07	23° \mathbb{II} 36'07	
conjunction	-6458 Jul 23 j 07:15	10° \mathbb{II} 51'26	1°13'08	evening set	-6451 Jul 22 j 19:06	25° \mathbb{II} 32'22	
minimum elong	-6458 Jul 23 j 07:15	10° \mathbb{II} 51'26	1°13'31	max. Earth dist.	-6451 Aug 06 j 06:35	26° \mathbb{II} 04'43	31.29260 AU
morning rise	-6458 Aug 07 j 18:26	11° \mathbb{II} 25'55					
retrograde	-6458 Nov 01 j 23:43	13° \mathbb{II} 17'43		conjunction	-6451 Aug 07 j 05:02	26° \mathbb{II} 06'50	1°43'10
opposition	-6457 Jan 18 j 19:52	11° \mathbb{II} 55'55	1°20'36	minimum elong	-6451 Aug 07 j 05:02	26° \mathbb{II} 06'50	1°43'35
min. Earth dist.	-6457 Jan 19 j 18:18	11° \mathbb{II} 54'23	29.26117 AU	morning rise	-6451 Aug 22 j 11:57	26° \mathbb{II} 41'03	
direct	-6457 Apr 10 j 08:35	10° \mathbb{II} 30'52		retrograde	-6451 Nov 17 j 01:53	28° \mathbb{II} 33'21	

Attention, astronomical year style is used: The year -6450 in astronomical counting style is the year 6451 BCE in historical counting style.

opposition	-6450 Feb 03 j 07:19	27° Π 11'36	1°52'13	conjunction	-6444 Aug 21 j 23:03	11° \mathfrak{D} 20'37	2°05'59
min. Earth dist.	-6450 Feb 04 j 03:58	27° Π 10'12	29.29438 AU	minimum elong	-6444 Aug 21 j 23:03	11° \mathfrak{D} 20'37	2°06'25
direct	-6450 Apr 25 j 19:42	25° Π 46'57		max. Earth dist.	-6444 Aug 21 j 05:59	11° \mathfrak{D} 19'01	31.30130 AU
evening set	-6450 Jul 25 j 05:24	27° Π 43'08		morning rise	-6444 Sep 06 j 02:26	11° \mathfrak{D} 54'36	
				retrograde	-6444 Dec 02 j 02:00	13° \mathfrak{D} 47'34	
conjunction	-6450 Aug 09 j 14:52	28° Π 17'34	1°46'55	opposition	-6443 Feb 18 j 20:57	12° \mathfrak{D} 25'39	2°15'58
minimum elong	-6450 Aug 09 j 14:51	28° Π 17'34	1°47'20	min. Earth dist.	-6443 Feb 19 j 12:41	12° \mathfrak{D} 24'35	29.30441 AU
max. Earth dist.	-6450 Aug 08 j 17:47	28° Π 15'35	31.29339 AU	direct	-6443 May 11 j 04:15	11° \mathfrak{D} 01'21	
morning rise	-6450 Aug 24 j 21:03	28° Π 51'44		evening set	-6443 Aug 09 j 03:00	12° \mathfrak{D} 57'12	
	-6450 Sep 28 j 17:17	0° \mathfrak{D}					
retrograde	-6450 Nov 19 j 10:10	0° \mathfrak{D} 44'06		conjunction	-6443 Aug 24 j 08:19	13° \mathfrak{D} 31'21	2°08'33
	-6449 Jan 12 j 17:53	30° \mathfrak{R} Π		minimum elong	-6443 Aug 24 j 08:19	13° \mathfrak{D} 31'21	2°08'58
opposition	-6449 Feb 05 j 19:24	29° Π 22'19	1°56'08	max. Earth dist.	-6443 Aug 23 j 17:05	13° \mathfrak{D} 29'54	31.30415 AU
min. Earth dist.	-6449 Feb 06 j 16:28	29° Π 20'53	29.29481 AU	morning rise	-6443 Sep 08 j 11:09	14° \mathfrak{D} 05'18	
direct	-6449 Apr 28 j 08:53	27° Π 57'41		retrograde	-6443 Dec 04 j 12:54	15° \mathfrak{D} 58'24	
evening set	-6449 Jul 27 j 15:44	29° Π 53'49		opposition	-6442 Feb 21 j 09:29	14° \mathfrak{D} 36'29	2°18'37
	-6449 Jul 30 j 11:04	0° \mathfrak{D}		min. Earth dist.	-6442 Feb 22 j 00:51	14° \mathfrak{D} 35'26	29.30697 AU
max. Earth dist.	-6449 Aug 11 j 03:05	0° \mathfrak{D} 26'11	31.29362 AU	direct	-6442 May 13 j 17:13	13° \mathfrak{D} 12'16	
				evening set	-6442 Aug 11 j 12:55	15° \mathfrak{D} 08'05	
conjunction	-6449 Aug 12 j 00:24	0° \mathfrak{D} 28'12	1°50'30				
minimum elong	-6449 Aug 12 j 00:24	0° \mathfrak{D} 28'12	1°50'55	conjunction	-6442 Aug 26 j 17:32	15° \mathfrak{D} 42'11	2°10'56
morning rise	-6449 Aug 27 j 06:12	1° \mathfrak{D} 02'19		minimum elong	-6442 Aug 26 j 17:31	15° \mathfrak{D} 42'11	2°11'21
retrograde	-6449 Nov 21 j 21:01	2° \mathfrak{D} 54'45		max. Earth dist.	-6442 Aug 26 j 01:53	15° \mathfrak{D} 40'43	31.30633 AU
opposition	-6448 Feb 08 j 07:31	1° \mathfrak{D} 32'55	1°59'53	morning rise	-6442 Sep 10 j 20:07	16° \mathfrak{D} 16'08	
min. Earth dist.	-6448 Feb 09 j 02:58	1° \mathfrak{D} 31'36	29.29499 AU	retrograde	-6442 Dec 07 j 00:47	18° \mathfrak{D} 09'21	
direct	-6448 Apr 29 j 20:56	0° \mathfrak{D} 08'18		opposition	-6441 Feb 23 j 21:55	16° \mathfrak{D} 47'25	2°21'04
evening set	-6448 Jul 29 j 01:42	2° \mathfrak{D} 04'22		min. Earth dist.	-6441 Feb 24 j 12:10	16° \mathfrak{D} 46'28	29.30875 AU
				direct	-6441 May 16 j 03:59	15° \mathfrak{D} 23'17	
conjunction	-6448 Aug 13 j 09:49	2° \mathfrak{D} 38'42	1°53'56	evening set	-6441 Aug 13 j 22:39	17° \mathfrak{D} 19'03	
minimum elong	-6448 Aug 13 j 09:49	2° \mathfrak{D} 38'42	1°54'22				
max. Earth dist.	-6448 Aug 12 j 13:52	2° \mathfrak{D} 36'49	31.29374 AU	conjunction	-6441 Aug 29 j 02:55	17° \mathfrak{D} 53'08	2°13'08
morning rise	-6448 Aug 28 j 14:59	3° \mathfrak{D} 12'48		minimum elong	-6441 Aug 29 j 02:55	17° \mathfrak{D} 53'08	2°13'32
retrograde	-6448 Nov 23 j 05:58	5° \mathfrak{D} 05'19		max. Earth dist.	-6441 Aug 28 j 12:46	17° \mathfrak{D} 51'48	31.30740 AU
opposition	-6447 Feb 09 j 19:51	3° \mathfrak{D} 43'26	2°03'28	morning rise	-6441 Sep 13 j 04:58	18° \mathfrak{D} 27'03	
min. Earth dist.	-6447 Feb 10 j 15:35	3° \mathfrak{D} 42'06	29.29545 AU	retrograde	-6441 Dec 09 j 10:33	20° \mathfrak{D} 20'24	
direct	-6447 May 02 j 08:04	2° \mathfrak{D} 18'51		opposition	-6440 Feb 26 j 10:44	18° \mathfrak{D} 58'27	2°23'19
evening set	-6447 Jul 31 j 11:44	4° \mathfrak{D} 14'51		min. Earth dist.	-6440 Feb 27 j 01:14	18° \mathfrak{D} 57'28	29.30920 AU
				direct	-6440 May 17 j 17:38	17° \mathfrak{D} 34'22	
conjunction	-6447 Aug 15 j 19:12	4° \mathfrak{D} 49'08	1°57'12	evening set	-6440 Aug 15 j 08:22	19° \mathfrak{D} 30'04	
minimum elong	-6447 Aug 15 j 19:12	4° \mathfrak{D} 49'08	1°57'37				
max. Earth dist.	-6447 Aug 15 j 00:01	4° \mathfrak{D} 47'20	31.29451 AU	conjunction	-6440 Aug 30 j 12:03	20° \mathfrak{D} 04'07	2°15'08
morning rise	-6447 Aug 30 j 23:55	5° \mathfrak{D} 23'12		minimum elong	-6440 Aug 30 j 12:03	20° \mathfrak{D} 04'07	2°15'33
retrograde	-6447 Nov 25 j 15:52	7° \mathfrak{D} 15'48		max. Earth dist.	-6440 Aug 29 j 21:43	20° \mathfrak{D} 02'46	31.30716 AU
opposition	-6446 Feb 12 j 07:52	5° \mathfrak{D} 53'53	2°06'52	morning rise	-6440 Sep 14 j 13:55	20° \mathfrak{D} 38'01	
min. Earth dist.	-6446 Feb 13 j 01:46	5° \mathfrak{D} 52'41	29.29663 AU	retrograde	-6440 Dec 10 j 22:36	22° \mathfrak{D} 31'28	
direct	-6446 May 04 j 20:03	4° \mathfrak{D} 29'21		opposition	-6439 Feb 27 j 23:28	21° \mathfrak{D} 09'28	2°25'22
evening set	-6446 Aug 02 j 21:41	6° \mathfrak{D} 25'18		min. Earth dist.	-6439 Feb 28 j 12:24	21° \mathfrak{D} 08'36	29.30822 AU
max. Earth dist.	-6446 Aug 17 j 10:01	6° \mathfrak{D} 57'49	31.29603 AU	direct	-6439 May 20 j 06:16	19° \mathfrak{D} 45'26	
				evening set	-6439 Aug 17 j 18:05	21° \mathfrak{D} 41'03	
conjunction	-6446 Aug 18 j 04:34	6° \mathfrak{D} 59'33	2°00'18				
minimum elong	-6446 Aug 18 j 04:33	6° \mathfrak{D} 59'33	2°00'44	conjunction	-6439 Sep 01 j 21:25	22° \mathfrak{D} 15'05	2°16'57
morning rise	-6446 Sep 02 j 08:48	7° \mathfrak{D} 33'35		minimum elong	-6439 Sep 01 j 21:25	22° \mathfrak{D} 15'05	2°17'21
retrograde	-6446 Nov 28 j 02:56	9° \mathfrak{D} 26'18		max. Earth dist.	-6439 Sep 01 j 07:59	22° \mathfrak{D} 13'49	31.30529 AU
opposition	-6445 Feb 14 j 20:11	8° \mathfrak{D} 04'22	2°10'06	morning rise	-6439 Sep 16 j 22:53	22° \mathfrak{D} 48'57	
min. Earth dist.	-6445 Feb 15 j 13:54	8° \mathfrak{D} 03'11	29.29871 AU	retrograde	-6439 Dec 13 j 07:50	24° \mathfrak{D} 42'31	
direct	-6445 May 07 j 05:07	6° \mathfrak{D} 39'54		opposition	-6438 Mar 02 j 12:10	23° \mathfrak{D} 20'27	2°27'12
evening set	-6445 Aug 05 j 07:28	8° \mathfrak{D} 35'49		min. Earth dist.	-6438 Mar 03 j 01:42	23° \mathfrak{D} 19'33	29.30570 AU
				direct	-6438 May 22 j 17:49	21° \mathfrak{D} 56'26	
conjunction	-6445 Aug 20 j 13:50	9° \mathfrak{D} 10'02	2°03'14	evening set	-6438 Aug 20 j 03:43	23° \mathfrak{D} 51'58	
minimum elong	-6445 Aug 20 j 13:49	9° \mathfrak{D} 10'02	2°03'39				
max. Earth dist.	-6445 Aug 19 j 20:46	9° \mathfrak{D} 08'25	31.29846 AU	conjunction	-6438 Sep 04 j 06:39	24° \mathfrak{D} 25'58	2°18'35
morning rise	-6445 Sep 04 j 17:31	9° \mathfrak{D} 44'02		minimum elong	-6438 Sep 04 j 06:39	24° \mathfrak{D} 25'57	2°18'59
retrograde	-6445 Nov 30 j 13:09	11° \mathfrak{D} 36'53		max. Earth dist.	-6438 Sep 03 j 17:49	24° \mathfrak{D} 24'45	31.30211 AU
opposition	-6444 Feb 17 j 08:32	10° \mathfrak{D} 14'57	2°13'08	morning rise	-6438 Sep 19 j 07:53	24° \mathfrak{D} 59'49	
min. Earth dist.	-6444 Feb 18 j 00:52	10° \mathfrak{D} 13'51	29.30136 AU	retrograde	-6438 Dec 15 j 17:35	26° \mathfrak{D} 53'28	
direct	-6444 May 08 j 17:30	8° \mathfrak{D} 50'34		opposition	-6437 Mar 05 j 00:54	25° \mathfrak{D} 31'20	2°28'50
evening set	-6444 Aug 06 j 17:23	10° \mathfrak{D} 46'26		min. Earth dist.	-6437 Mar 05 j 12:48	25° \mathfrak{D} 30'32	29.30184 AU

Attention, astronomical year style is used: The year -6437 in astronomical counting style is the year 6438 BCE in historical counting style.

direct	-6437 May 25 j 06:21	24°07'19		minimum elong	-6431 Sep 18 j 21:11	9°039'45	2°24'37
evening set	-6437 Aug 22 j 13:10	26°02'44		max. Earth dist.	-6431 Sep 18 j 15:16	9°039'11	31.27718 AU
				morning rise	-6431 Oct 03 j 21:25	10°013'34	
conjunction	-6437 Sep 06 j 15:40	26°036'42	2°20'00	retrograde	-6431 Dec 31 j 01:18	12°008'05	
minimum elong	-6437 Sep 06 j 15:40	26°036'42	2°20'24	opposition	-6430 Mar 20 j 18:40	10°045'31	2°34'11
max. Earth dist.	-6437 Sep 06 j 03:15	26°035'32	31.29773 AU	min. Earth dist.	-6430 Mar 20 j 23:08	10°045'13	29.27808 AU
morning rise	-6437 Sep 21 j 16:42	27°010'33		direct	-6430 Jun 09 j 14:34	9°021'50	
retrograde	-6437 Dec 18 j 04:22	29°004'18		evening set	-6430 Sep 06 j 05:26	11°016'42	
opposition	-6436 Mar 06 j 13:49	27°042'04	2°30'15				
min. Earth dist.	-6436 Mar 07 j 01:39	27°041'16	29.29725 AU	conjunction	-6430 Sep 21 j 06:11	11°050'35	2°24'16
direct	-6436 May 26 j 16:19	26°018'04		minimum elong	-6430 Sep 21 j 06:11	11°050'35	2°24'37
evening set	-6436 Aug 23 j 22:29	28°013'22		max. Earth dist.	-6430 Sep 21 j 01:25	11°050'08	31.27509 AU
				morning rise	-6430 Oct 06 j 06:21	12°024'25	
conjunction	-6436 Sep 08 j 00:45	28°047'18	2°21'13	retrograde	-6429 Jan 02 j 11:27	14°019'05	
minimum elong	-6436 Sep 08 j 00:45	28°047'18	2°21'37	opposition	-6429 Mar 23 j 07:48	12°056'30	2°34'03
max. Earth dist.	-6436 Sep 07 j 13:57	28°046'17	31.29298 AU	min. Earth dist.	-6429 Mar 23 j 12:31	12°056'11	29.27579 AU
morning rise	-6436 Sep 23 j 01:28	29°021'08		direct	-6429 Jun 12 j 01:41	11°032'55	
	-6436 Oct 11 j 11:53	0°0		evening set	-6429 Sep 08 j 14:30	13°027'43	
retrograde	-6436 Dec 19 j 14:26	1°014'59					
	-6435 Mar 04 j 13:17	30°08		conjunction	-6429 Sep 23 j 15:08	14°001'35	2°24'03
opposition	-6435 Mar 09 j 02:33	29°052'39	2°31'27	minimum elong	-6429 Sep 23 j 15:08	14°001'35	2°24'23
min. Earth dist.	-6435 Mar 09 j 12:53	29°051'57	29.29247 AU	max. Earth dist.	-6429 Sep 23 j 11:26	14°001'14	31.27250 AU
direct	-6435 May 29 j 05:03	28°028'39		morning rise	-6429 Oct 08 j 15:17	14°035'26	
	-6435 Aug 15 j 05:54	0°0			-6429 Oct 20 j 00:27	15°0	
evening set	-6435 Aug 26 j 07:46	0°023'51		retrograde	-6428 Jan 04 j 21:56	16°030'16	
				opposition	-6428 Mar 24 j 20:53	15°007'39	2°33'43
conjunction	-6435 Sep 10 j 09:35	0°057'46	2°22'15	min. Earth dist.	-6428 Mar 24 j 23:48	15°007'27	29.27267 AU
minimum elong	-6435 Sep 10 j 09:35	0°057'46	2°22'37		-6428 Mar 29 j 14:38	15°00	
max. Earth dist.	-6435 Sep 09 j 22:54	0°056'45	31.28835 AU	direct	-6428 Jun 13 j 13:57	13°044'08	
morning rise	-6435 Sep 25 j 10:17	1°031'36			-6428 Aug 22 j 13:43	15°0	
retrograde	-6435 Dec 22 j 02:50	3°025'33		evening set	-6428 Sep 09 j 23:45	15°038'52	
opposition	-6434 Mar 11 j 15:20	2°003'08	2°32'26				
min. Earth dist.	-6434 Mar 12 j 00:43	2°002'30	29.28822 AU	conjunction	-6428 Sep 25 j 00:12	16°012'44	2°23'38
direct	-6434 May 31 j 15:15	0°039'09		minimum elong	-6428 Sep 25 j 00:13	16°012'44	2°23'57
evening set	-6434 Aug 28 j 16:54	2°034'16		max. Earth dist.	-6428 Sep 24 j 20:43	16°012'24	31.26880 AU
				morning rise	-6428 Oct 10 j 00:28	16°046'36	
conjunction	-6434 Sep 12 j 18:34	3°008'10	2°23'04	retrograde	-6427 Jan 06 j 09:33	18°041'35	
minimum elong	-6434 Sep 12 j 18:34	3°008'10	2°23'26	opposition	-6427 Mar 27 j 10:01	17°018'55	2°33'09
max. Earth dist.	-6434 Sep 12 j 10:05	3°007'22	31.28438 AU	min. Earth dist.	-6427 Mar 27 j 12:59	17°018'43	29.26847 AU
morning rise	-6434 Sep 27 j 18:55	3°041'59		direct	-6427 Jun 15 j 23:28	15°055'27	
retrograde	-6434 Dec 24 j 13:22	5°036'03		evening set	-6427 Sep 12 j 08:52	17°050'06	
opposition	-6433 Mar 14 j 04:07	4°013'35	2°33'12				
min. Earth dist.	-6433 Mar 14 j 12:35	4°013'00	29.28464 AU	conjunction	-6427 Sep 27 j 09:24	18°023'59	2°23'00
direct	-6433 Jun 03 j 03:23	2°049'39		minimum elong	-6427 Sep 27 j 09:25	18°023'59	2°23'18
evening set	-6433 Aug 31 j 02:09	4°044'42		max. Earth dist.	-6427 Sep 27 j 07:20	18°023'47	31.26393 AU
				morning rise	-6427 Oct 12 j 09:38	18°057'51	
conjunction	-6433 Sep 15 j 03:24	5°018'35	2°23'41	retrograde	-6426 Jan 08 j 20:10	20°052'58	
minimum elong	-6433 Sep 15 j 03:24	5°018'35	2°24'02	opposition	-6426 Mar 29 j 23:06	19°030'15	2°32'22
max. Earth dist.	-6433 Sep 14 j 19:05	5°017'48	31.28134 AU	min. Earth dist.	-6426 Mar 30 j 00:48	19°030'08	29.26277 AU
morning rise	-6433 Sep 30 j 03:47	5°052'24		direct	-6426 Jun 18 j 12:06	18°006'50	
retrograde	-6433 Dec 27 j 01:53	7°046'36		evening set	-6426 Sep 14 j 18:03	20°001'23	
opposition	-6432 Mar 15 j 16:59	6°024'05	2°33'45				
min. Earth dist.	-6432 Mar 15 j 23:38	6°023'38	29.28205 AU	conjunction	-6426 Sep 29 j 18:23	20°035'15	2°22'09
direct	-6432 Jun 04 j 13:45	5°000'14		minimum elong	-6426 Sep 29 j 18:24	20°035'15	2°22'28
evening set	-6432 Sep 01 j 11:06	6°055'12		max. Earth dist.	-6426 Sep 29 j 16:01	20°035'01	31.25759 AU
				morning rise	-6426 Oct 14 j 18:53	21°009'09	
conjunction	-6432 Sep 16 j 12:17	7°029'05	2°24'05	retrograde	-6425 Jan 11 j 08:52	23°004'23	
minimum elong	-6432 Sep 16 j 12:17	7°029'05	2°24'27	opposition	-6425 Apr 01 j 12:13	21°041'34	2°31'22
max. Earth dist.	-6432 Sep 16 j 05:58	7°028'29	31.27904 AU	min. Earth dist.	-6425 Apr 01 j 13:21	21°041'29	29.25584 AU
morning rise	-6432 Oct 01 j 12:28	8°002'54		direct	-6425 Jun 20 j 21:49	20°018'10	
retrograde	-6432 Dec 28 j 12:31	9°057'16		evening set	-6425 Sep 17 j 03:04	22°012'36	
opposition	-6431 Mar 18 j 05:58	8°034'43	2°34'05				
min. Earth dist.	-6431 Mar 18 j 12:21	8°034'17	29.27998 AU	conjunction	-6425 Oct 02 j 03:35	22°046'29	2°21'07
direct	-6431 Jun 07 j 02:39	7°010'57		minimum elong	-6425 Oct 02 j 03:35	22°046'29	2°21'24
evening set	-6431 Sep 03 j 20:17	9°005'52		max. Earth dist.	-6425 Oct 02 j 03:06	22°046'26	31.25015 AU
				morning rise	-6425 Oct 17 j 04:03	23°020'23	
conjunction	-6431 Sep 18 j 21:11	9°039'45	2°24'17	retrograde	-6424 Jan 13 j 19:41	25°015'44	

Attention, astronomical year style is used: The year -6424 in astronomical counting style is the year 6425 BCE in historical counting style.

opposition	-6424 Apr 03 j 01:25	23° Ω 52'49	2°30'09	conjunction	-6418 Oct 16 j 18:38	8° Υ 03'40	2°08'18
min. Earth dist.	-6424 Apr 03 j 01:54	23° Ω 52'47	29.24791 AU	minimum elong	-6418 Oct 16 j 18:39	8° Υ 03'40	2°08'31
direct	-6424 Jun 22 j 09:22	22° Ω 29'25		max. Earth dist.	-6418 Oct 17 j 01:59	8° Υ 04'22	31.20540 AU
evening set	-6424 Sep 18 j 12:01	24° Ω 23'44		morning rise	-6418 Oct 31 j 21:01	8° Υ 37'46	
				retrograde	-6417 Jan 29 j 05:16	10° Υ 33'56	
conjunction	-6424 Oct 03 j 12:27	24° Ω 57'37	2°19'53	opposition	-6417 Apr 19 j 20:53	9° Υ 10'29	2°15'43
minimum elong	-6424 Oct 03 j 12:27	24° Ω 57'37	2°20'10	min. Earth dist.	-6417 Apr 19 j 13:02	9° Υ 11'01	29.20468 AU
max. Earth dist.	-6424 Oct 03 j 12:01	24° Ω 57'35	31.24209 AU	direct	-6417 Jul 08 j 18:23	7° Υ 47'23	
morning rise	-6424 Oct 18 j 13:18	25° Ω 31'33		evening set	-6417 Oct 04 j 02:21	9° Υ 41'02	
retrograde	-6423 Jan 15 j 08:29	27° Ω 27'00					
opposition	-6423 Apr 05 j 14:29	26° Ω 03'57	2°28'43	conjunction	-6417 Oct 19 j 03:49	10° Υ 15'01	2°05'42
min. Earth dist.	-6423 Apr 05 j 13:25	26° Ω 04'02	29.23974 AU	minimum elong	-6417 Oct 19 j 03:50	10° Υ 15'02	2°05'53
direct	-6423 Jun 24 j 19:58	24° Ω 40'34		max. Earth dist.	-6417 Oct 19 j 11:04	10° Υ 15'43	31.20099 AU
evening set	-6423 Sep 20 j 20:55	26° Ω 34'45		morning rise	-6417 Nov 03 j 06:45	10° Υ 49'10	
				retrograde	-6416 Jan 31 j 18:08	12° Υ 45'29	
conjunction	-6423 Oct 05 j 21:31	27° Ω 08'39	2°18'27	opposition	-6416 Apr 21 j 10:07	11° Υ 22'00	2°12'50
minimum elong	-6423 Oct 05 j 21:31	27° Ω 08'39	2°18'42	min. Earth dist.	-6416 Apr 21 j 01:37	11° Υ 22'34	29.20007 AU
max. Earth dist.	-6423 Oct 05 j 22:52	27° Ω 08'46	31.23390 AU	direct	-6416 Jul 10 j 03:33	9° Υ 58'58	
morning rise	-6423 Oct 20 j 22:26	27° Ω 42'35		evening set	-6416 Oct 05 j 11:19	11° Υ 52'32	
retrograde	-6422 Jan 17 j 19:47	29° Ω 38'08					
opposition	-6422 Apr 08 j 03:28	28° Ω 14'59	2°27'05	conjunction	-6416 Oct 20 j 13:14	12° Υ 26'34	2°02'54
min. Earth dist.	-6422 Apr 08 j 02:05	28° Ω 15'05	29.23176 AU	minimum elong	-6416 Oct 20 j 13:15	12° Υ 26'34	2°03'05
direct	-6422 Jun 27 j 08:50	26° Ω 51'36		max. Earth dist.	-6416 Oct 20 j 22:20	12° Υ 27'26	31.19599 AU
evening set	-6422 Sep 23 j 05:51	28° Ω 45'41		morning rise	-6416 Nov 04 j 16:25	13° Υ 00'44	
				retrograde	-6415 Feb 02 j 05:24	14° Υ 57'13	
conjunction	-6422 Oct 08 j 06:28	29° Ω 19'35	2°16'49	opposition	-6415 Apr 23 j 23:22	13° Υ 33'41	2°09'45
minimum elong	-6422 Oct 08 j 06:29	29° Ω 19'35	2°17'04	min. Earth dist.	-6415 Apr 23 j 14:23	13° Υ 34'17	29.19448 AU
max. Earth dist.	-6422 Oct 08 j 08:33	29° Ω 19'47	31.22641 AU	direct	-6415 Jul 12 j 14:33	12° Υ 10'43	
morning rise	-6422 Oct 23 j 07:42	29° Ω 53'33		evening set	-6415 Oct 07 j 20:38	14° Υ 04'12	
	-6422 Oct 26 j 06:02	0° Υ					
retrograde	-6421 Jan 20 j 09:00	1° Υ 49'12		conjunction	-6415 Oct 22 j 22:42	14° Υ 38'15	1°59'56
opposition	-6421 Apr 10 j 16:29	0° Υ 25'57	2°25'14	minimum elong	-6415 Oct 22 j 22:43	14° Υ 38'15	2°00'04
min. Earth dist.	-6421 Apr 10 j 12:48	0° Υ 26'12	29.22468 AU	max. Earth dist.	-6415 Oct 23 j 07:32	14° Υ 39'05	31.18994 AU
	-6421 Apr 26 j 23:36	30° \Re Ω		morning rise	-6415 Nov 07 j 02:26	15° Υ 12'28	
direct	-6421 Jun 29 j 20:36	29° Ω 02'35		retrograde	-6414 Feb 04 j 19:09	17° Υ 09'04	
	-6421 Aug 28 j 19:54	0° Υ		opposition	-6414 Apr 26 j 12:27	15° Υ 45'29	2°06'29
evening set	-6421 Sep 25 j 14:38	0° Υ 56'35		min. Earth dist.	-6414 Apr 26 j 02:21	15° Υ 46'10	29.18776 AU
				direct	-6414 Jul 15 j 00:42	14° Υ 22'33	
conjunction	-6421 Oct 10 j 15:22	1° Υ 30'29	2°14'59	evening set	-6414 Oct 10 j 05:52	16° Υ 15'58	
minimum elong	-6421 Oct 10 j 15:23	1° Υ 30'29	2°15'12				
max. Earth dist.	-6421 Oct 10 j 18:49	1° Υ 30'49	31.21981 AU	conjunction	-6414 Oct 25 j 08:19	16° Υ 50'03	1°56'47
morning rise	-6421 Oct 25 j 16:51	2° Υ 04'29		minimum elong	-6414 Oct 25 j 08:20	16° Υ 50'03	1°56'56
retrograde	-6420 Jan 22 j 19:23	4° Υ 00'15		max. Earth dist.	-6414 Oct 25 j 18:22	16° Υ 51'00	31.18251 AU
opposition	-6420 Apr 12 j 05:43	2° Υ 36'56	2°23'10	morning rise	-6414 Nov 09 j 12:24	17° Υ 24'18	
min. Earth dist.	-6420 Apr 12 j 01:48	2° Υ 37'12	29.21864 AU	retrograde	-6413 Feb 07 j 07:30	19° Υ 21'02	
direct	-6420 Jul 01 j 07:46	1° Υ 13'37		opposition	-6413 Apr 29 j 01:49	17° Υ 57'22	2°03'01
evening set	-6420 Sep 26 j 23:30	3° Υ 07'30		min. Earth dist.	-6413 Apr 28 j 15:48	17° Υ 58'03	29.17958 AU
				direct	-6413 Jul 17 j 12:45	16° Υ 34'28	
conjunction	-6420 Oct 12 j 00:28	3° Υ 41'26	2°12'57	evening set	-6413 Oct 12 j 15:01	18° Υ 27'47	
minimum elong	-6420 Oct 12 j 00:29	3° Υ 41'26	2°13'11				
max. Earth dist.	-6420 Oct 12 j 05:28	3° Υ 41'54	31.21440 AU	conjunction	-6413 Oct 27 j 17:49	19° Υ 01'54	1°53'28
morning rise	-6420 Oct 27 j 02:13	4° Υ 15'27		minimum elong	-6413 Oct 27 j 17:50	19° Υ 01'54	1°53'35
retrograde	-6419 Jan 24 j 06:31	6° Υ 11'21		max. Earth dist.	-6413 Oct 28 j 04:12	19° Υ 02'53	31.17387 AU
opposition	-6419 Apr 14 j 18:36	4° Υ 47'58	2°20'54	morning rise	-6413 Nov 11 j 22:26	19° Υ 36'12	
min. Earth dist.	-6419 Apr 14 j 12:34	4° Υ 48'23	29.21355 AU	retrograde	-6412 Feb 09 j 21:24	21° Υ 33'01	
direct	-6419 Jul 03 j 20:17	3° Υ 24'43		opposition	-6412 Apr 30 j 15:01	20° Υ 09'16	1°59'23
evening set	-6419 Sep 29 j 08:26	5° Υ 18'31		min. Earth dist.	-6412 Apr 30 j 03:20	20° Υ 10'04	29.17025 AU
				direct	-6412 Jul 19 j 00:22	18° Υ 46'23	
conjunction	-6419 Oct 14 j 09:30	5° Υ 52'29	2°10'44	evening set	-6412 Oct 14 j 00:18	20° Υ 39'36	
minimum elong	-6419 Oct 14 j 09:31	5° Υ 52'29	2°10'56				
max. Earth dist.	-6419 Oct 14 j 14:56	5° Υ 52'59	31.20969 AU	conjunction	-6412 Oct 29 j 03:27	21° Υ 13'45	1°49'59
morning rise	-6419 Oct 29 j 11:42	6° Υ 26'32		minimum elong	-6412 Oct 29 j 03:28	21° Υ 13'45	1°50'06
retrograde	-6418 Jan 26 j 18:39	8° Υ 22'34		max. Earth dist.	-6412 Oct 29 j 14:31	21° Υ 14'48	31.16408 AU
opposition	-6418 Apr 17 j 07:46	6° Υ 59'09	2°18'25	morning rise	-6412 Nov 13 j 08:37	21° Υ 48'05	
min. Earth dist.	-6418 Apr 17 j 01:27	6° Υ 59'35	29.20910 AU	retrograde	-6411 Feb 11 j 08:42	23° Υ 45'00	
direct	-6418 Jul 06 j 06:19	5° Υ 35'58		opposition	-6411 May 03 j 04:07	22° Υ 21'09	1°55'35
evening set	-6418 Oct 01 j 17:14	7° Υ 29'41		min. Earth dist.	-6411 May 02 j 16:49	22° Υ 21'55	29.16014 AU

Attention, astronomical year style is used: The year -6411 in astronomical counting style is the year 6412 BCE in historical counting style.

direct	-6411 Jul 21 j 11:38	20° \mathring{M} 58'16		conjunction	-6405 Nov 13 j 23:30	6° \mathring{A} 37'13	1°21'26
evening set	-6411 Oct 16 j 09:26	22° \mathring{M} 51'22		minimum elong	-6405 Nov 13 j 23:31	6° \mathring{A} 37'13	1°21'25
				max. Earth dist.	-6405 Nov 14 j 17:36	6° \mathring{A} 38'56	31.10601 AU
conjunction	-6411 Oct 31 j 13:05	23° \mathring{M} 25'33	1°46'21	morning rise	-6405 Nov 29 j 08:34	7° \mathring{A} 11'55	
minimum elong	-6411 Oct 31 j 13:06	23° \mathring{M} 25'33	1°46'26	retrograde	-6404 Feb 27 j 21:30	9° \mathring{A} 09'36	
max. Earth dist.	-6411 Nov 01 j 01:29	23° \mathring{M} 26'43	31.15393 AU	opposition	-6404 May 18 j 23:11	7° \mathring{A} 45'17	1°24'31
morning rise	-6411 Nov 15 j 18:41	23° \mathring{M} 59'56		min. Earth dist.	-6404 May 18 j 05:24	7° \mathring{A} 46'30	29.10351 AU
retrograde	-6410 Feb 13 j 20:45	25° \mathring{M} 56'56		direct	-6404 Aug 05 j 16:01	6° \mathring{A} 22'38	
opposition	-6410 May 05 j 17:06	24° \mathring{M} 32'58	1°51'37	evening set	-6404 Oct 31 j 02:55	8° \mathring{A} 15'15	
min. Earth dist.	-6410 May 05 j 03:56	24° \mathring{M} 33'52	29.14987 AU				
direct	-6410 Jul 24 j 00:44	23° \mathring{M} 10'05		conjunction	-6404 Nov 15 j 09:43	8° \mathring{A} 49'42	1°16'48
evening set	-6410 Oct 18 j 18:38	25° \mathring{M} 03'06		minimum elong	-6404 Nov 15 j 09:43	8° \mathring{A} 49'42	1°16'47
				max. Earth dist.	-6404 Nov 16 j 04:11	8° \mathring{A} 51'27	31.09950 AU
conjunction	-6410 Nov 02 j 22:31	25° \mathring{M} 37'19	1°42'34	morning rise	-6404 Nov 30 j 19:24	9° \mathring{A} 24'26	
minimum elong	-6410 Nov 02 j 22:32	25° \mathring{M} 37'19	1°42'39	retrograde	-6403 Mar 01 j 11:37	11° \mathring{A} 22'14	
max. Earth dist.	-6410 Nov 03 j 11:10	25° \mathring{M} 38'31	31.14385 AU	opposition	-6403 May 21 j 11:58	9° \mathring{A} 57'53	1°19'31
morning rise	-6410 Nov 18 j 04:46	26° \mathring{M} 11'45		min. Earth dist.	-6403 May 20 j 16:45	9° \mathring{A} 59'12	29.09662 AU
retrograde	-6409 Feb 16 j 09:16	28° \mathring{M} 08'50		direct	-6403 Aug 08 j 02:21	8° \mathring{A} 35'16	
opposition	-6409 May 08 j 06:14	26° \mathring{M} 44'47	1°47'29	evening set	-6403 Nov 02 j 12:47	10° \mathring{A} 27'51	
min. Earth dist.	-6409 May 07 j 16:51	26° \mathring{M} 45'41	29.14016 AU				
direct	-6409 Jul 26 j 11:22	25° \mathring{M} 21'55		conjunction	-6403 Nov 17 j 20:02	11° \mathring{A} 02'20	1°12'04
evening set	-6409 Oct 21 j 03:47	27° \mathring{M} 14'49		minimum elong	-6403 Nov 17 j 20:02	11° \mathring{A} 02'21	1°12'01
				max. Earth dist.	-6403 Nov 18 j 14:49	11° \mathring{A} 04'07	31.09214 AU
conjunction	-6409 Nov 05 j 08:15	27° \mathring{M} 49'04	1°38'38	morning rise	-6403 Dec 03 j 06:22	11° \mathring{A} 37'08	
minimum elong	-6409 Nov 05 j 08:16	27° \mathring{M} 49'04	1°38'41	retrograde	-6402 Mar 04 j 00:28	13° \mathring{A} 35'02	
max. Earth dist.	-6409 Nov 05 j 22:53	27° \mathring{M} 50'28	31.13461 AU	min. Earth dist.	-6402 May 23 j 06:32	12° \mathring{A} 11'54	29.08875 AU
morning rise	-6409 Nov 20 j 14:53	28° \mathring{M} 23'33		opposition	-6402 May 24 j 01:05	12° \mathring{A} 10'38	1°14'23
	-6408 Jan 13 j 22:57	0° \mathring{A}		direct	-6402 Aug 10 j 13:26	10° \mathring{A} 48'02	
retrograde	-6408 Feb 18 j 19:39	0° \mathring{A} 20'45		evening set	-6402 Nov 04 j 22:33	12° \mathring{A} 40'33	
	-6408 Mar 26 j 17:35	30° \mathring{R} \mathring{M}					
opposition	-6408 May 09 j 19:10	28° \mathring{M} 56'37	1°43'12	conjunction	-6402 Nov 20 j 06:25	13° \mathring{A} 15'06	1°07'13
min. Earth dist.	-6408 May 09 j 04:06	28° \mathring{M} 57'39	29.13130 AU	minimum elong	-6402 Nov 20 j 06:26	13° \mathring{A} 15'06	1°07'10
direct	-6408 Jul 27 j 23:29	27° \mathring{M} 33'47		max. Earth dist.	-6402 Nov 21 j 02:11	13° \mathring{A} 16'58	31.08376 AU
evening set	-6408 Oct 22 j 13:06	29° \mathring{M} 26'37		morning rise	-6402 Dec 05 j 17:16	13° \mathring{A} 49'57	
				retrograde	-6401 Mar 06 j 14:26	15° \mathring{A} 47'55	
conjunction	-6408 Nov 06 j 17:52	0° \mathring{A} 00'54	1°34'32	opposition	-6401 May 26 j 14:05	14° \mathring{A} 23'28	1°09'08
minimum elong	-6408 Nov 06 j 17:53	0° \mathring{A} 00'54	1°34'35	min. Earth dist.	-6401 May 25 j 18:11	14° \mathring{A} 24'49	29.07961 AU
	-6408 Nov 06 j 08:26	0° \mathring{A}		direct	-6401 Aug 13 j 02:39	13° \mathring{A} 00'52	
max. Earth dist.	-6408 Nov 07 j 08:29	0° \mathring{A} 02'17	31.12636 AU	evening set	-6401 Nov 07 j 08:39	14° \mathring{A} 53'19	
morning rise	-6408 Nov 22 j 01:16	0° \mathring{A} 35'26					
retrograde	-6407 Feb 20 j 08:01	2° \mathring{A} 32'44		conjunction	-6401 Nov 22 j 16:55	15° \mathring{A} 27'55	1°02'15
opposition	-6407 May 12 j 08:11	1° \mathring{A} 08'33	1°38'45	minimum elong	-6401 Nov 22 j 16:56	15° \mathring{A} 27'55	1°02'11
min. Earth dist.	-6407 May 11 j 16:21	1° \mathring{A} 09'37	29.12353 AU	max. Earth dist.	-6401 Nov 23 j 12:10	15° \mathring{A} 29'44	31.07400 AU
	-6407 Jun 30 j 15:41	30° \mathring{R} \mathring{M}		morning rise	-6401 Dec 08 j 04:33	16° \mathring{A} 02'49	
direct	-6407 Jul 30 j 08:47	29° \mathring{M} 45'44		retrograde	-6400 Mar 08 j 03:49	18° \mathring{A} 00'52	
	-6407 Aug 28 j 07:40	0° \mathring{A}		min. Earth dist.	-6400 May 27 j 07:46	16° \mathring{A} 37'37	29.06923 AU
evening set	-6407 Oct 24 j 22:21	1° \mathring{A} 38'30		opposition	-6400 May 28 j 03:06	16° \mathring{A} 36'18	1°03'47
				direct	-6400 Aug 14 j 13:37	15° \mathring{A} 13'41	
conjunction	-6407 Nov 09 j 03:44	2° \mathring{A} 12'50	1°30'18	evening set	-6400 Nov 08 j 18:36	17° \mathring{A} 06'04	
minimum elong	-6407 Nov 09 j 03:45	2° \mathring{A} 12'50	1°30'19				
max. Earth dist.	-6407 Nov 09 j 20:21	2° \mathring{A} 14'25	31.11899 AU	conjunction	-6400 Nov 24 j 03:37	17° \mathring{A} 40'42	0°57'13
morning rise	-6407 Nov 24 j 11:32	2° \mathring{A} 47'25		minimum elong	-6400 Nov 24 j 03:37	17° \mathring{A} 40'42	0°57'08
retrograde	-6406 Feb 22 j 19:07	4° \mathring{A} 44'51		max. Earth dist.	-6400 Nov 25 j 00:12	17° \mathring{A} 42'39	31.06310 AU
opposition	-6406 May 14 j 21:03	3° \mathring{A} 20'37	1°34'09	morning rise	-6400 Dec 09 j 15:45	18° \mathring{A} 15'39	
min. Earth dist.	-6406 May 14 j 04:29	3° \mathring{A} 21'45	29.11643 AU	retrograde	-6399 Mar 10 j 14:54	20° \mathring{A} 13'44	
direct	-6406 Aug 01 j 19:22	1° \mathring{A} 57'52		opposition	-6399 May 30 j 15:56	18° \mathring{A} 49'05	0°58'21
evening set	-6406 Oct 27 j 07:48	3° \mathring{A} 50'34		min. Earth dist.	-6399 May 29 j 19:36	18° \mathring{A} 50'29	29.05773 AU
				direct	-6399 Aug 17 j 02:18	17° \mathring{A} 26'27	
conjunction	-6406 Nov 11 j 13:33	4° \mathring{A} 24'56	1°25'56	evening set	-6399 Nov 11 j 04:43	19° \mathring{A} 18'44	
minimum elong	-6406 Nov 11 j 13:33	4° \mathring{A} 24'56	1°25'57				
max. Earth dist.	-6406 Nov 12 j 06:16	4° \mathring{A} 26'31	31.11239 AU	conjunction	-6399 Nov 26 j 14:05	19° \mathring{A} 53'24	0°52'06
morning rise	-6406 Nov 26 j 22:04	4° \mathring{A} 59'35		minimum elong	-6399 Nov 26 j 14:06	19° \mathring{A} 53'24	0°51'59
retrograde	-6405 Feb 25 j 08:59	6° \mathring{A} 57'08		max. Earth dist.	-6399 Nov 27 j 10:06	19° \mathring{A} 55'18	31.05138 AU
opposition	-6405 May 17 j 10:04	5° \mathring{A} 32'51	1°29'24	morning rise	-6399 Dec 12 j 03:01	20° \mathring{A} 28'25	
min. Earth dist.	-6405 May 16 j 16:11	5° \mathring{A} 34'04	29.10999 AU				
direct	-6405 Aug 04 j 05:11	4° \mathring{A} 10'09					
evening set	-6405 Oct 29 j 17:12	6° \mathring{A} 02'49					