

Command: swevents -p0 -doingr -doaps -mpdf -eswe -b1.1.-12900 -n183366 -roundmin

Attention, astronomical year style is used: The year -12891 in astronomical counting style is the year 12892 BCE in historical counting style.

	-12891 Apr 23 j 23:31	0°≈		max. Earth dist.	-12886 Jan 24 j 17:56	4°Ⅲ07'00	1.01962 AU
	-12891 May 24 j 04:46	0°✕			-12886 Feb 21 j 00:30	0°✕	
	-12891 Jun 22 j 21:02	0°Υ			-12886 Mar 24 j 08:49	0°☾	
	-12891 Jul 22 j 05:11	0°♂			-12886 Apr 24 j 04:45	0°≈	
min. Earth dist.	-12891 Jul 26 j 13:28	4°♂27'13	0.98032 AU		-12886 May 24 j 10:01	0°✕	
	-12891 Aug 20 j 12:04	0°Ⅱ			-12886 Jun 23 j 02:16	0°Υ	
	-12891 Sep 19 j 00:49	0°☾			-12886 Jul 22 j 10:26	0°♂	
	-12891 Oct 19 j 01:13	0°♂		min. Earth dist.	-12886 Jul 27 j 14:07	5°♂16'56	0.98033 AU
	-12891 Nov 18 j 16:12	0°Ⅲ			-12886 Aug 20 j 17:20	0°Ⅱ	
	-12891 Dec 19 j 20:51	0°♂			-12886 Sep 19 j 06:07	0°☾	
	-12890 Jan 20 j 10:21	0°Ⅲ			-12886 Oct 19 j 06:33	0°♂	
max. Earth dist.	-12890 Jan 26 j 18:24	6°Ⅲ00'16	1.01968 AU		-12886 Nov 18 j 21:33	0°Ⅲ	
	-12890 Feb 21 j 01:13	0°✕			-12886 Dec 20 j 02:12	0°♂	
	-12890 Mar 24 j 09:33	0°☾			-12885 Jan 20 j 15:40	0°Ⅲ	
	-12890 Apr 24 j 05:29	0°≈		max. Earth dist.	-12885 Jan 27 j 02:37	6°Ⅲ07'05	1.01962 AU
	-12890 May 24 j 10:44	0°✕			-12885 Feb 21 j 06:29	0°✕	
	-12890 Jun 23 j 02:59	0°Υ			-12885 Mar 24 j 14:48	0°☾	
	-12890 Jul 22 j 11:09	0°♂			-12885 Apr 24 j 10:42	0°≈	
min. Earth dist.	-12890 Jul 27 j 12:42	5°♂11'39	0.98039 AU		-12885 May 24 j 15:57	0°✕	
	-12890 Aug 20 j 18:04	0°Ⅱ			-12885 Jun 23 j 08:12	0°Υ	
	-12890 Sep 19 j 06:49	0°☾			-12885 Jul 22 j 16:22	0°♂	
	-12890 Oct 19 j 07:13	0°♂		min. Earth dist.	-12885 Jul 26 j 17:17	4°♂08'24	0.98039 AU
	-12890 Nov 18 j 22:11	0°Ⅲ			-12885 Aug 20 j 23:18	0°Ⅱ	
	-12890 Dec 20 j 02:47	0°♂			-12885 Sep 19 j 12:06	0°☾	
	-12889 Jan 20 j 16:15	0°Ⅲ			-12885 Oct 19 j 12:31	0°♂	
max. Earth dist.	-12889 Jan 25 j 02:22	4°Ⅲ11'34	1.01967 AU		-12885 Nov 19 j 03:31	0°Ⅲ	
	-12889 Feb 21 j 07:04	0°✕			-12885 Dec 20 j 08:07	0°♂	
	-12889 Mar 24 j 15:21	0°☾			-12884 Jan 20 j 21:32	0°Ⅲ	
	-12889 Apr 24 j 11:15	0°≈		max. Earth dist.	-12884 Jan 26 j 01:45	4°Ⅲ54'29	1.01965 AU
	-12889 May 24 j 16:27	0°✕			-12884 Feb 21 j 12:17	0°✕	
	-12889 Jun 23 j 08:40	0°Υ			-12884 Mar 23 j 20:32	0°☾	
	-12889 Jul 22 j 16:52	0°♂			-12884 Apr 23 j 16:24	0°≈	
min. Earth dist.	-12889 Jul 28 j 07:07	5°♂44'04	0.98036 AU		-12884 May 23 j 21:38	0°✕	
	-12889 Aug 20 j 23:49	0°Ⅱ			-12884 Jun 22 j 13:54	0°Υ	
	-12889 Sep 19 j 12:39	0°☾			-12884 Jul 21 j 22:07	0°♂	
	-12889 Oct 19 j 13:06	0°♂		min. Earth dist.	-12884 Jul 28 j 00:13	6°♂14'33	0.98040 AU
	-12889 Nov 19 j 04:05	0°Ⅲ			-12884 Aug 20 j 05:06	0°Ⅱ	
	-12889 Dec 20 j 08:41	0°♂			-12884 Sep 18 j 17:55	0°☾	
	-12888 Jan 20 j 22:08	0°Ⅲ			-12884 Oct 18 j 18:19	0°♂	
max. Earth dist.	-12888 Jan 26 j 20:46	5°Ⅲ37'55	1.01960 AU		-12884 Nov 18 j 09:16	0°Ⅲ	
	-12888 Feb 21 j 12:57	0°✕			-12884 Dec 19 j 13:49	0°♂	
	-12888 Mar 23 j 21:16	0°☾			-12883 Jan 20 j 03:14	0°Ⅲ	
	-12888 Apr 23 j 17:11	0°≈		max. Earth dist.	-12883 Jan 24 j 17:33	4°Ⅲ21'26	1.01960 AU
	-12888 May 23 j 22:25	0°✕			-12883 Feb 20 j 18:02	0°✕	
	-12888 Jun 22 j 14:38	0°Υ			-12883 Mar 24 j 02:20	0°☾	
	-12888 Jul 21 j 22:49	0°♂			-12883 Apr 23 j 22:15	0°≈	
min. Earth dist.	-12888 Jul 25 j 21:37	4°♂02'53	0.98038 AU		-12883 May 24 j 03:30	0°✕	
	-12888 Aug 20 j 05:47	0°Ⅱ			-12883 Jun 22 j 19:45	0°Υ	
	-12888 Sep 18 j 18:36	0°☾			-12883 Jul 22 j 03:54	0°♂	
	-12888 Oct 18 j 19:02	0°♂		min. Earth dist.	-12883 Jul 26 j 17:50	4°♂41'38	0.98033 AU
	-12888 Nov 18 j 09:59	0°Ⅲ			-12883 Aug 20 j 10:49	0°Ⅱ	
	-12888 Dec 19 j 14:33	0°♂			-12883 Sep 18 j 23:34	0°☾	
	-12887 Jan 20 j 03:56	0°Ⅲ			-12883 Oct 18 j 23:58	0°♂	
max. Earth dist.	-12887 Jan 26 j 01:54	5°Ⅲ36'31	1.01964 AU		-12883 Nov 18 j 14:54	0°Ⅲ	
	-12887 Feb 20 j 18:42	0°✕			-12883 Dec 19 j 19:31	0°♂	
	-12887 Mar 24 j 03:01	0°☾			-12882 Jan 20 j 08:59	0°Ⅲ	
	-12887 Apr 23 j 22:58	0°≈		max. Earth dist.	-12882 Jan 26 j 23:59	6°Ⅲ16'41	1.01967 AU
	-12887 May 24 j 04:15	0°✕			-12882 Feb 20 j 23:53	0°✕	
	-12887 Jun 22 j 20:32	0°Υ			-12882 Mar 24 j 08:16	0°☾	
	-12887 Jul 22 j 04:43	0°♂			-12882 Apr 24 j 04:15	0°≈	
min. Earth dist.	-12887 Jul 28 j 02:11	6°♂02'45	0.98039 AU		-12882 May 24 j 09:30	0°✕	
	-12887 Aug 20 j 11:39	0°Ⅱ			-12882 Jun 23 j 01:43	0°Υ	
	-12887 Sep 19 j 00:27	0°☾			-12882 Jul 22 j 09:51	0°♂	
	-12887 Oct 19 j 00:51	0°♂		min. Earth dist.	-12882 Jul 27 j 00:08	4°♂42'47	0.98036 AU
	-12887 Nov 18 j 15:48	0°Ⅲ			-12882 Aug 20 j 16:43	0°Ⅱ	
	-12887 Dec 19 j 20:21	0°♂			-12882 Sep 19 j 05:27	0°☾	
	-12886 Jan 20 j 09:44	0°Ⅲ			-12882 Oct 19 j 05:50	0°♂	

Attention, astronomical year style is used: The year -12882 in astronomical counting style is the year 12883 BCE in historical counting style.

	-12882 Nov 18 j 20:47	0° \mathbb{M}				-12877 Aug 20 j 22:03	0° \mathbb{I}		
	-12882 Dec 20 j 01:23	0° \mathbb{L}				-12877 Sep 19 j 10:49	0° \mathbb{G}		
	-12881 Jan 20 j 14:49	0° \mathbb{M}				-12877 Oct 19 j 11:10	0° \mathbb{O}		
max. Earth dist.	-12881 Jan 25 j 08:39	4° \mathbb{M} 29'50	1.01969 AU			-12877 Nov 19 j 02:03	0° \mathbb{M}		
	-12881 Feb 21 j 05:39	0° \mathbb{J}				-12877 Dec 20 j 06:32	0° \mathbb{L}		
	-12881 Mar 24 j 14:00	0° \mathbb{Z}				-12876 Jan 20 j 19:53	0° \mathbb{M}		
	-12881 Apr 24 j 09:57	0° \mathbb{A}			max. Earth dist.	-12876 Jan 26 j 14:02	5° \mathbb{M} 27'29	1.01964 AU	
	-12881 May 24 j 15:12	0° \mathbb{H}				-12876 Feb 21 j 10:40	0° \mathbb{J}		
	-12881 Jun 23 j 07:26	0° \mathbb{Y}				-12876 Mar 23 j 19:01	0° \mathbb{Z}		
	-12881 Jul 22 j 15:34	0° \mathbb{B}				-12876 Apr 23 j 15:01	0° \mathbb{A}		
min. Earth dist.	-12881 Jul 28 j 12:45	6° \mathbb{B} 01'55	0.98032 AU			-12876 May 23 j 20:21	0° \mathbb{H}		
	-12881 Aug 20 j 22:26	0° \mathbb{I}				-12876 Jun 22 j 12:42	0° \mathbb{Y}		
	-12881 Sep 19 j 11:12	0° \mathbb{G}				-12876 Jul 21 j 20:57	0° \mathbb{B}		
	-12881 Oct 19 j 11:35	0° \mathbb{O}			min. Earth dist.	-12876 Jul 28 j 00:20	6° \mathbb{B} 17'53	0.98042 AU	
	-12881 Nov 19 j 02:33	0° \mathbb{M}				-12876 Aug 20 j 03:55	0° \mathbb{I}		
	-12881 Dec 20 j 07:09	0° \mathbb{L}				-12876 Sep 18 j 16:42	0° \mathbb{G}		
	-12880 Jan 20 j 20:35	0° \mathbb{M}				-12876 Oct 18 j 17:04	0° \mathbb{O}		
max. Earth dist.	-12880 Jan 26 j 08:38	5° \mathbb{M} 12'49	1.01962 AU			-12876 Nov 18 j 07:55	0° \mathbb{M}		
	-12880 Feb 21 j 11:26	0° \mathbb{J}				-12876 Dec 19 j 12:23	0° \mathbb{L}		
	-12880 Mar 23 j 19:48	0° \mathbb{Z}				-12875 Jan 20 j 01:42	0° \mathbb{M}		
	-12880 Apr 23 j 15:48	0° \mathbb{A}			max. Earth dist.	-12875 Jan 24 j 16:52	4° \mathbb{M} 23'29	1.01958 AU	
	-12880 May 23 j 21:06	0° \mathbb{H}				-12875 Feb 20 j 16:28	0° \mathbb{J}		
	-12880 Jun 22 j 13:23	0° \mathbb{Y}				-12875 Mar 24 j 00:49	0° \mathbb{Z}		
	-12880 Jul 21 j 21:33	0° \mathbb{B}				-12875 Apr 23 j 20:52	0° \mathbb{A}		
min. Earth dist.	-12880 Jul 26 j 04:48	4° \mathbb{B} 24'35	0.98033 AU			-12875 May 24 j 02:14	0° \mathbb{H}		
	-12880 Aug 20 j 04:26	0° \mathbb{I}				-12875 Jun 22 j 18:35	0° \mathbb{Y}		
	-12880 Sep 18 j 17:08	0° \mathbb{G}				-12875 Jul 22 j 02:47	0° \mathbb{B}		
	-12880 Oct 18 j 17:28	0° \mathbb{O}			min. Earth dist.	-12875 Jul 27 j 03:41	5° \mathbb{B} 09'44	0.98033 AU	
	-12880 Nov 18 j 08:21	0° \mathbb{M}				-12875 Aug 20 j 09:41	0° \mathbb{I}		
	-12880 Dec 19 j 12:54	0° \mathbb{L}				-12875 Sep 18 j 22:25	0° \mathbb{G}		
	-12879 Jan 20 j 02:19	0° \mathbb{M}				-12875 Oct 18 j 22:45	0° \mathbb{O}		
max. Earth dist.	-12879 Jan 26 j 08:50	5° \mathbb{M} 56'45	1.01966 AU			-12875 Nov 18 j 13:38	0° \mathbb{M}		
	-12879 Feb 20 j 17:09	0° \mathbb{J}				-12875 Dec 19 j 18:10	0° \mathbb{L}		
	-12879 Mar 24 j 01:32	0° \mathbb{Z}				-12874 Jan 20 j 07:35	0° \mathbb{M}		
	-12879 Apr 23 j 21:34	0° \mathbb{A}			max. Earth dist.	-12874 Jan 27 j 02:38	6° \mathbb{M} 26'18	1.01962 AU	
	-12879 May 24 j 02:56	0° \mathbb{H}				-12874 Feb 20 j 22:25	0° \mathbb{J}		
	-12879 Jun 22 j 19:16	0° \mathbb{Y}				-12874 Mar 24 j 06:49	0° \mathbb{Z}		
	-12879 Jul 22 j 03:29	0° \mathbb{B}				-12874 Apr 24 j 02:52	0° \mathbb{A}		
min. Earth dist.	-12879 Jul 27 j 23:58	6° \mathbb{B} 00'12	0.98038 AU			-12874 May 24 j 08:15	0° \mathbb{H}		
	-12879 Aug 20 j 10:22	0° \mathbb{I}				-12874 Jun 23 j 00:35	0° \mathbb{Y}		
	-12879 Sep 18 j 23:04	0° \mathbb{G}				-12874 Jul 22 j 08:48	0° \mathbb{B}		
	-12879 Oct 18 j 23:20	0° \mathbb{O}			min. Earth dist.	-12874 Jul 26 j 21:30	4° \mathbb{B} 38'39	0.98038 AU	
	-12879 Nov 18 j 14:10	0° \mathbb{M}				-12874 Aug 20 j 15:41	0° \mathbb{I}		
	-12879 Dec 19 j 18:40	0° \mathbb{L}				-12874 Sep 19 j 04:24	0° \mathbb{G}		
	-12878 Jan 20 j 08:04	0° \mathbb{M}				-12874 Oct 19 j 04:44	0° \mathbb{O}		
max. Earth dist.	-12878 Jan 24 j 22:16	4° \mathbb{M} 21'13	1.01966 AU			-12874 Nov 18 j 19:37	0° \mathbb{M}		
	-12878 Feb 20 j 22:54	0° \mathbb{J}				-12874 Dec 20 j 00:11	0° \mathbb{L}		
	-12878 Mar 24 j 07:18	0° \mathbb{Z}				-12873 Jan 20 j 13:35	0° \mathbb{M}		
	-12878 Apr 24 j 03:19	0° \mathbb{A}			max. Earth dist.	-12873 Jan 25 j 14:30	4° \mathbb{M} 46'39	1.01966 AU	
	-12878 May 24 j 08:39	0° \mathbb{H}				-12873 Feb 21 j 04:23	0° \mathbb{J}		
	-12878 Jun 23 j 00:58	0° \mathbb{Y}				-12873 Mar 24 j 12:42	0° \mathbb{Z}		
	-12878 Jul 22 j 09:10	0° \mathbb{B}				-12873 Apr 24 j 08:40	0° \mathbb{A}		
min. Earth dist.	-12878 Jul 27 j 23:19	5° \mathbb{B} 43'47	0.98033 AU			-12873 May 24 j 13:59	0° \mathbb{H}		
	-12878 Aug 20 j 16:05	0° \mathbb{I}				-12873 Jun 23 j 06:19	0° \mathbb{Y}		
	-12878 Sep 19 j 04:48	0° \mathbb{G}				-12873 Jul 22 j 14:33	0° \mathbb{B}		
	-12878 Oct 19 j 05:07	0° \mathbb{O}			min. Earth dist.	-12873 Jul 28 j 18:53	6° \mathbb{B} 20'16	0.98038 AU	
	-12878 Nov 18 j 19:59	0° \mathbb{M}				-12873 Aug 20 j 21:29	0° \mathbb{I}		
	-12878 Dec 20 j 00:31	0° \mathbb{L}				-12873 Sep 19 j 10:15	0° \mathbb{G}		
	-12877 Jan 20 j 13:58	0° \mathbb{M}				-12873 Oct 19 j 10:36	0° \mathbb{O}		
max. Earth dist.	-12877 Jan 27 j 03:24	6° \mathbb{M} 12'57	1.01963 AU			-12873 Nov 19 j 01:29	0° \mathbb{M}		
	-12877 Feb 21 j 04:51	0° \mathbb{J}				-12873 Dec 20 j 06:02	0° \mathbb{L}		
	-12877 Mar 24 j 13:15	0° \mathbb{Z}				-12872 Jan 20 j 19:27	0° \mathbb{M}		
	-12877 Apr 24 j 09:17	0° \mathbb{A}			max. Earth dist.	-12872 Jan 25 j 20:06	4° \mathbb{M} 45'53	1.01960 AU	
	-12877 May 24 j 14:36	0° \mathbb{H}				-12872 Feb 21 j 10:16	0° \mathbb{J}		
	-12877 Jun 23 j 06:55	0° \mathbb{Y}				-12872 Mar 23 j 18:37	0° \mathbb{Z}		
	-12877 Jul 22 j 15:07	0° \mathbb{B}				-12872 Apr 23 j 14:36	0° \mathbb{A}		
min. Earth dist.	-12877 Jul 26 j 17:32	4° \mathbb{B} 12'12	0.98039 AU			-12872 May 23 j 19:55	0° \mathbb{H}		













































































































Attention, astronomical year style is used: The year -12872 in astronomical counting style is the year 12873 BCE in historical counting style.

	-12872 Jun 22 j 12:15	0°Υ					-12867 Mar 23 j 23:43	0°Ξ			
	-12872 Jul 21 j 20:29	0°Ϡ					-12867 Apr 23 j 19:49	0°≈			
min. Earth dist.	-12872 Jul 26 j 09:06	4°Ϡ38'17	0.98037 AU				-12867 May 24 j 01:15	0°Ϡ			
	-12872 Aug 20 j 03:25	0°Π					-12867 Jun 22 j 17:38	0°Υ			
	-12872 Sep 18 j 16:10	0°Ϡ					-12867 Jul 22 j 01:51	0°Ϡ			
	-12872 Oct 18 j 16:28	0°Ω				min. Earth dist.	-12867 Jul 27 j 14:16	5°Ϡ39'21	0.98031 AU		
	-12872 Nov 18 j 07:19	0°Ϡ					-12867 Aug 20 j 08:41	0°Π			
	-12872 Dec 19 j 11:49	0°Ϡ					-12867 Sep 18 j 21:19	0°Ϡ			
	-12871 Jan 20 j 01:14	0°Π					-12867 Oct 18 j 21:31	0°Ω			
max. Earth dist.	-12871 Jan 26 j 14:55	6°Π13'41	1.01965 AU				-12867 Nov 18 j 12:18	0°Ϡ			
	-12871 Feb 20 j 16:05	0°Ϡ					-12867 Dec 19 j 16:47	0°Ϡ			
	-12871 Mar 24 j 00:29	0°Ξ					-12866 Jan 20 j 06:14	0°Π			
	-12871 Apr 23 j 20:31	0°≈				max. Earth dist.	-12866 Jan 27 j 03:29	6°Π31'29	1.01966 AU		
	-12871 May 24 j 01:52	0°Ϡ					-12866 Feb 20 j 21:09	0°Ϡ			
	-12871 Jun 22 j 18:12	0°Υ					-12866 Mar 24 j 05:38	0°Ξ			
	-12871 Jul 22 j 02:25	0°Ϡ					-12866 Apr 24 j 01:45	0°≈			
min. Earth dist.	-12871 Jul 27 j 08:49	5°Ϡ24'04	0.98040 AU				-12866 May 24 j 07:11	0°Ϡ			
	-12871 Aug 20 j 09:20	0°Π					-12866 Jun 22 j 23:33	0°Υ			
	-12871 Sep 18 j 22:03	0°Ϡ					-12866 Jul 22 j 07:46	0°Ϡ			
	-12871 Oct 18 j 22:21	0°Ω				min. Earth dist.	-12866 Jul 26 j 19:06	4°Ϡ35'06	0.98037 AU		
	-12871 Nov 18 j 13:11	0°Ϡ					-12866 Aug 20 j 14:38	0°Π			
	-12871 Dec 19 j 17:39	0°Ϡ					-12866 Sep 19 j 03:16	0°Ϡ			
	-12870 Jan 20 j 07:02	0°Π					-12866 Oct 19 j 03:29	0°Ω			
max. Earth dist.	-12870 Jan 25 j 02:53	4°Π34'37	1.01967 AU				-12866 Nov 18 j 18:16	0°Ϡ			
	-12870 Feb 20 j 21:54	0°Ϡ					-12866 Dec 19 j 22:44	0°Ϡ			
	-12870 Mar 24 j 06:19	0°Ξ					-12865 Jan 20 j 12:08	0°Π			
	-12870 Apr 24 j 02:21	0°≈				max. Earth dist.	-12865 Jan 26 j 01:49	5°Π16'54	1.01969 AU		
	-12870 May 24 j 07:41	0°Ϡ					-12865 Feb 21 j 02:59	0°Ϡ			
	-12870 Jun 22 j 23:58	0°Υ					-12865 Mar 24 j 11:25	0°Ξ			
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min. Earth dist.	-12870 Jul 28 j 03:05	5°Ϡ56'08	0.98031 AU				-12865 May 24 j 12:52	0°Ϡ			
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	-12870 Oct 19 j 04:03	0°Ω				min. Earth dist.	-12865 Jul 28 j 21:41	6°Ϡ30'14	0.98039 AU		
	-12870 Nov 18 j 18:56	0°Ϡ					-12865 Aug 20 j 20:24	0°Π			
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	-12869 Jan 20 j 12:54	0°Π					-12865 Oct 19 j 09:22	0°Ω			
max. Earth dist.	-12869 Jan 26 j 18:58	5°Π55'26	1.01964 AU				-12865 Nov 19 j 00:09	0°Ϡ			
	-12869 Feb 21 j 03:48	0°Ϡ					-12865 Dec 20 j 04:34	0°Ϡ			
	-12869 Mar 24 j 12:15	0°Ξ					-12864 Jan 20 j 17:54	0°Π			
	-12869 Apr 24 j 08:20	0°≈				max. Earth dist.	-12864 Jan 25 j 18:38	4°Π46'06	1.01960 AU		
	-12869 May 24 j 13:41	0°Ϡ					-12864 Feb 21 j 08:44	0°Ϡ			
	-12869 Jun 23 j 05:59	0°Υ					-12864 Mar 23 j 17:11	0°Ξ			
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	-12869 Aug 20 j 20:59	0°Π					-12864 Jun 22 j 11:05	0°Υ			
	-12869 Sep 19 j 09:41	0°Ϡ					-12864 Jul 21 j 19:19	0°Ϡ			
	-12869 Oct 19 j 10:00	0°Ω				min. Earth dist.	-12864 Jul 26 j 16:42	5°Ϡ00'44	0.98035 AU		
	-12869 Nov 19 j 00:52	0°Ϡ					-12864 Aug 20 j 02:14	0°Π			
	-12869 Dec 20 j 05:24	0°Ϡ					-12864 Sep 18 j 14:55	0°Ϡ			
	-12868 Jan 20 j 18:47	0°Π					-12864 Oct 18 j 15:09	0°Ω			
max. Earth dist.	-12868 Jan 26 j 20:42	5°Π45'54	1.01966 AU				-12864 Nov 18 j 05:54	0°Ϡ			
	-12868 Feb 21 j 09:36	0°Ϡ					-12864 Dec 19 j 10:18	0°Ϡ			
	-12868 Mar 23 j 17:59	0°Ξ					-12863 Jan 19 j 23:38	0°Π			
	-12868 Apr 23 j 14:03	0°≈				max. Earth dist.	-12863 Jan 26 j 23:04	6°Π36'46	1.01962 AU		
	-12868 May 23 j 19:27	0°Ϡ					-12863 Feb 20 j 14:28	0°Ϡ			
	-12868 Jun 22 j 11:49	0°Υ					-12863 Mar 23 j 22:56	0°Ξ			
	-12868 Jul 21 j 20:02	0°Ϡ					-12863 Apr 23 j 19:05	0°≈			
min. Earth dist.	-12868 Jul 27 j 23:48	6°Ϡ18'54	0.98038 AU				-12863 May 24 j 00:35	0°Ϡ			
	-12868 Aug 20 j 02:55	0°Π					-12863 Jun 22 j 17:00	0°Υ			
	-12868 Sep 18 j 15:36	0°Ϡ					-12863 Jul 22 j 01:15	0°Ϡ			
	-12868 Oct 18 j 15:52	0°Ω				min. Earth dist.	-12863 Jul 27 j 02:51	5°Ϡ11'45	0.98040 AU		
	-12868 Nov 18 j 06:40	0°Ϡ					-12863 Aug 20 j 08:08	0°Π			
	-12868 Dec 19 j 11:08	0°Ϡ					-12863 Sep 18 j 20:48	0°Ϡ			
	-12867 Jan 20 j 00:30	0°Π					-12863 Oct 18 j 21:01	0°Ω			
max. Earth dist.	-12867 Jan 24 j 15:04	4°Π22'04	1.01963 AU				-12863 Nov 18 j 11:46	0°Ϡ			
	-12867 Feb 20 j 15:19	0°Ϡ					-12863 Dec 19 j 16:10	0°Ϡ			

Attention, astronomical year style is used: The year -12862 in astronomical counting style is the year 12863 BCE in historical counting style.

	-12862 Jan 20 j 05:29	0°♌					-12858 Oct 19 j 02:06	0°♏			
max. Earth dist.	-12862 Jan 25 j 09:16	4°♌53'28	1.01965 AU				-12858 Nov 18 j 16:53	0°♐			
	-12862 Feb 20 j 20:18	0°♑					-12858 Dec 19 j 21:21	0°♐			
	-12862 Mar 24 j 04:43	0°♑					-12857 Jan 20 j 10:44	0°♌			
	-12862 Apr 24 j 00:50	0°♒			max. Earth dist.		-12857 Jan 26 j 10:01	5°♌39'38	1.01969 AU		
	-12862 May 24 j 06:18	0°♒					-12857 Feb 21 j 01:36	0°♑			
	-12862 Jun 22 j 22:42	0°♓					-12857 Mar 24 j 10:04	0°♑			
	-12862 Jul 22 j 06:56	0°♓					-12857 Apr 24 j 06:12	0°♒			
min. Earth dist.	-12862 Jul 28 j 12:23	6°♓23'04	0.98034 AU				-12857 May 24 j 11:39	0°♒			
	-12862 Aug 20 j 13:48	0°♐					-12857 Jun 23 j 04:02	0°♓			
	-12862 Sep 19 j 02:28	0°♐					-12857 Jul 22 j 12:15	0°♓			
	-12862 Oct 19 j 02:42	0°♏			min. Earth dist.		-12857 Jul 28 j 21:12	6°♓32'10	0.98036 AU		
	-12862 Nov 18 j 17:30	0°♐					-12857 Aug 20 j 19:07	0°♐			
	-12862 Dec 19 j 21:58	0°♐					-12857 Sep 19 j 07:46	0°♐			
	-12861 Jan 20 j 11:20	0°♌					-12857 Oct 19 j 07:59	0°♏			
max. Earth dist.	-12861 Jan 26 j 06:36	5°♌29'53	1.01961 AU				-12857 Nov 18 j 22:45	0°♐			
	-12861 Feb 21 j 02:12	0°♑					-12857 Dec 20 j 03:12	0°♐			
	-12861 Mar 24 j 10:38	0°♑					-12856 Jan 20 j 16:33	0°♌			
	-12861 Apr 24 j 06:44	0°♒			max. Earth dist.		-12856 Jan 25 j 11:58	4°♌33'31	1.01962 AU		
	-12861 May 24 j 12:11	0°♒					-12856 Feb 21 j 07:24	0°♑			
	-12861 Jun 23 j 04:35	0°♓					-12856 Mar 23 j 15:52	0°♑			
	-12861 Jul 22 j 12:49	0°♓					-12856 Apr 23 j 12:02	0°♒			
min. Earth dist.	-12861 Jul 27 j 01:41	4°♓38'55	0.98036 AU				-12856 May 23 j 17:32	0°♒			
	-12861 Aug 20 j 19:44	0°♐					-12856 Jun 22 j 09:58	0°♓			
	-12861 Sep 19 j 08:24	0°♐					-12856 Jul 21 j 18:12	0°♓			
	-12861 Oct 19 j 08:39	0°♏			min. Earth dist.		-12856 Jul 27 j 02:29	5°♓28'41	0.98032 AU		
	-12861 Nov 18 j 23:26	0°♐					-12856 Aug 20 j 01:04	0°♐			
	-12861 Dec 20 j 03:53	0°♐					-12856 Sep 18 j 13:40	0°♐			
	-12860 Jan 20 j 17:14	0°♌					-12856 Oct 18 j 13:49	0°♏			
max. Earth dist.	-12860 Jan 27 j 03:41	6°♌06'04	1.01964 AU				-12856 Nov 18 j 04:30	0°♐			
	-12860 Feb 21 j 08:03	0°♑					-12856 Dec 19 j 08:55	0°♐			
	-12860 Mar 23 j 16:27	0°♑					-12855 Jan 19 j 22:17	0°♌			
	-12860 Apr 23 j 12:32	0°♒			max. Earth dist.		-12855 Jan 27 j 00:51	6°♌44'07	1.01964 AU		
	-12860 May 23 j 17:58	0°♒					-12855 Feb 20 j 13:11	0°♑			
	-12860 Jun 22 j 10:23	0°♓					-12855 Mar 23 j 21:42	0°♑			
	-12860 Jul 21 j 18:40	0°♓					-12855 Apr 23 j 17:55	0°♒			
min. Earth dist.	-12860 Jul 27 j 16:28	6°♓03'34	0.98043 AU				-12855 May 23 j 23:28	0°♒			
	-12860 Aug 20 j 01:37	0°♐					-12855 Jun 22 j 15:57	0°♓			
	-12860 Sep 18 j 14:19	0°♐					-12855 Jul 22 j 00:14	0°♓			
	-12860 Oct 18 j 14:33	0°♏			min. Earth dist.		-12855 Jul 26 j 22:52	5°♓04'08	0.98038 AU		
	-12860 Nov 18 j 05:17	0°♐					-12855 Aug 20 j 07:06	0°♐			
	-12860 Dec 19 j 09:41	0°♐					-12855 Sep 18 j 19:41	0°♐			
	-12859 Jan 19 j 23:00	0°♌					-12855 Oct 18 j 19:48	0°♏			
max. Earth dist.	-12859 Jan 24 j 18:09	4°♌32'59	1.01963 AU				-12855 Nov 18 j 10:27	0°♐			
	-12859 Feb 20 j 13:49	0°♑					-12855 Dec 19 j 14:50	0°♐			
	-12859 Mar 23 j 22:15	0°♑					-12854 Jan 20 j 04:11	0°♌			
	-12859 Apr 23 j 18:22	0°♒			max. Earth dist.		-12854 Jan 25 j 17:05	5°♌15'04	1.01969 AU		
	-12859 May 23 j 23:49	0°♒					-12854 Feb 20 j 19:04	0°♑			
	-12859 Jun 22 j 16:12	0°♓					-12854 Mar 24 j 03:34	0°♑			
	-12859 Jul 22 j 00:25	0°♓					-12854 Apr 23 j 23:45	0°♒			
min. Earth dist.	-12859 Jul 27 j 19:23	5°♓56'07	0.98033 AU				-12854 May 24 j 05:15	0°♒			
	-12859 Aug 20 j 07:18	0°♐					-12854 Jun 22 j 21:41	0°♓			
	-12859 Sep 18 j 19:57	0°♐					-12854 Jul 22 j 05:57	0°♓			
	-12859 Oct 18 j 20:10	0°♏			min. Earth dist.		-12854 Jul 28 j 18:01	6°♓40'02	0.98035 AU		
	-12859 Nov 18 j 10:55	0°♐					-12854 Aug 20 j 12:50	0°♐			
	-12859 Dec 19 j 15:21	0°♐					-12854 Sep 19 j 01:27	0°♐			
	-12858 Jan 20 j 04:45	0°♌					-12854 Oct 19 j 01:37	0°♏			
max. Earth dist.	-12858 Jan 27 j 00:51	6°♌28'42	1.01964 AU				-12854 Nov 18 j 16:18	0°♐			
	-12858 Feb 20 j 19:41	0°♑					-12854 Dec 19 j 20:41	0°♐			
	-12858 Mar 24 j 04:12	0°♑					-12853 Jan 20 j 10:03	0°♌			
	-12858 Apr 24 j 00:23	0°♒			max. Earth dist.		-12853 Jan 25 j 23:36	5°♌16'24	1.01963 AU		
	-12858 May 24 j 05:51	0°♒					-12853 Feb 21 j 00:57	0°♑			
	-12858 Jun 22 j 22:13	0°♓					-12853 Mar 24 j 09:29	0°♑			
	-12858 Jul 22 j 06:25	0°♓					-12853 Apr 24 j 05:41	0°♒			
min. Earth dist.	-12858 Jul 26 j 15:11	4°♓28'31	0.98034 AU				-12853 May 24 j 11:10	0°♒			
	-12858 Aug 20 j 13:15	0°♐					-12853 Jun 23 j 03:36	0°♓			
	-12858 Sep 19 j 01:53	0°♐					-12853 Jul 22 j 11:52	0°♓			

Attention, astronomical year style is used: The year -12853 in astronomical counting style is the year 12854 BCE in historical counting style.

min. Earth dist.	-12853 Jul 27 j 07:07	4°  55'17	0.98035 AU				-12848 May 23 j 16:21	0° 		
	-12853 Aug 20 j 18:46	0° 					-12848 Jun 22 j 08:49	0° 		
	-12853 Sep 19 j 07:25	0° 					-12848 Jul 21 j 17:06	0° 		
	-12853 Oct 19 j 07:37	0° 		min. Earth dist.			-12848 Jul 27 j 09:45	5°  50'07	0.98035 AU	
	-12853 Nov 18 j 22:18	0° 					-12848 Aug 20 j 00:01	0° 		
	-12853 Dec 20 j 02:40	0° 					-12848 Sep 18 j 12:37	0° 		
	-12852 Jan 20 j 15:58	0° 					-12848 Oct 18 j 12:44	0° 		
max. Earth dist.	-12852 Jan 27 j 13:24	6°  32'01	1.01963 AU				-12848 Nov 18 j 03:21	0° 		
	-12852 Feb 21 j 06:49	0° 					-12848 Dec 19 j 07:41	0° 		
	-12852 Mar 23 j 15:18	0° 					-12847 Jan 19 j 21:01	0° 		
	-12852 Apr 23 j 11:30	0° 		max. Earth dist.			-12847 Jan 27 j 02:10	6°  50'12	1.01963 AU	
	-12852 May 23 j 17:02	0° 					-12847 Feb 20 j 11:55	0° 		
	-12852 Jun 22 j 09:30	0° 					-12847 Mar 23 j 20:29	0° 		
	-12852 Jul 21 j 17:47	0° 					-12847 Apr 23 j 16:44	0° 		
min. Earth dist.	-12852 Jul 27 j 07:36	5°  43'05	0.98042 AU				-12847 May 23 j 22:17	0° 		
	-12852 Aug 20 j 00:42	0° 					-12847 Jun 22 j 14:46	0° 		
	-12852 Sep 18 j 13:22	0° 					-12847 Jul 21 j 23:02	0° 		
	-12852 Oct 18 j 13:33	0° 		min. Earth dist.			-12847 Jul 26 j 15:09	4°  47'22	0.98038 AU	
	-12852 Nov 18 j 04:14	0° 					-12847 Aug 20 j 05:54	0° 		
	-12852 Dec 19 j 08:33	0° 					-12847 Sep 18 j 18:29	0° 		
	-12851 Jan 19 j 21:48	0° 					-12847 Oct 18 j 18:36	0° 		
max. Earth dist.	-12851 Jan 25 j 00:40	4°  51'17	1.01962 AU				-12847 Nov 18 j 09:14	0° 		
	-12851 Feb 20 j 12:36	0° 					-12847 Dec 19 j 13:33	0° 		
	-12851 Mar 23 j 21:05	0° 					-12846 Jan 20 j 02:52	0° 		
	-12851 Apr 23 j 17:17	0° 		max. Earth dist.			-12846 Jan 26 j 01:48	5°  38'51	1.01969 AU	
	-12851 May 23 j 22:51	0° 					-12846 Feb 20 j 17:45	0° 		
	-12851 Jun 22 j 15:19	0° 					-12846 Mar 24 j 02:19	0° 		
	-12851 Jul 21 j 23:34	0° 					-12846 Apr 23 j 22:32	0° 		
min. Earth dist.	-12851 Jul 28 j 04:10	6°  20'53	0.98032 AU				-12846 May 24 j 04:05	0° 		
	-12851 Aug 20 j 06:25	0° 					-12846 Jun 22 j 20:31	0° 		
	-12851 Sep 18 j 19:00	0° 					-12846 Jul 22 j 04:45	0° 		
	-12851 Oct 18 j 19:10	0° 		min. Earth dist.			-12846 Jul 28 j 19:00	6°  45'44	0.98034 AU	
	-12851 Nov 18 j 09:51	0° 					-12846 Aug 20 j 11:35	0° 		
	-12851 Dec 19 j 14:14	0° 					-12846 Sep 19 j 00:10	0° 		
	-12850 Jan 20 j 03:35	0° 					-12846 Oct 19 j 00:18	0° 		
max. Earth dist.	-12850 Jan 26 j 17:59	6°  15'14	1.01961 AU				-12846 Nov 18 j 14:58	0° 		
	-12850 Feb 20 j 18:28	0° 					-12846 Dec 19 j 19:20	0° 		
	-12850 Mar 24 j 03:00	0° 					-12845 Jan 20 j 08:39	0° 		
	-12850 Apr 23 j 23:15	0° 		max. Earth dist.			-12845 Jan 25 j 14:49	4°  58'58	1.01963 AU	
	-12850 May 24 j 04:48	0° 					-12845 Feb 20 j 23:33	0° 		
	-12850 Jun 22 j 21:17	0° 					-12845 Mar 24 j 08:07	0° 		
	-12850 Jul 22 j 05:32	0° 					-12845 Apr 24 j 04:23	0° 		
min. Earth dist.	-12850 Jul 26 j 20:19	4°  43'53	0.98035 AU				-12845 May 24 j 09:57	0° 		
	-12850 Aug 20 j 12:23	0° 					-12845 Jun 23 j 02:24	0° 		
	-12850 Sep 19 j 00:57	0° 					-12845 Jul 22 j 10:38	0° 		
	-12850 Oct 19 j 01:06	0° 		min. Earth dist.			-12845 Jul 27 j 14:41	5°  17'51	0.98031 AU	
	-12850 Nov 18 j 15:48	0° 					-12845 Aug 20 j 17:28	0° 		
	-12850 Dec 19 j 20:13	0° 					-12845 Sep 19 j 06:02	0° 		
	-12849 Jan 20 j 09:34	0° 					-12845 Oct 19 j 06:09	0° 		
max. Earth dist.	-12849 Jan 26 j 17:37	6°  00'22	1.01967 AU				-12845 Nov 18 j 20:49	0° 		
	-12849 Feb 21 j 00:25	0° 					-12845 Dec 20 j 01:10	0° 		
	-12849 Mar 24 j 08:53	0° 					-12844 Jan 20 j 14:28	0° 		
	-12849 Apr 24 j 05:03	0° 		max. Earth dist.			-12844 Jan 27 j 17:39	6°  45'38	1.01963 AU	
	-12849 May 24 j 10:33	0° 					-12844 Feb 21 j 05:20	0° 		
	-12849 Jun 23 j 03:01	0°					-12844 Mar 23 j 13:52	0°		
	-12849 Jul 22 j 11:18	0°					-12844 Apr 23 j 10:08	0°		
min. Earth dist.	-12849 Jul 28 j 19:47	6° 30'59	0.98040 AU				-12844 May 23 j 15:45	0°		
	-12849 Aug 20 j 18:12	0°					-12844 Jun 22 j 08:17	0°		
	-12849 Sep 19 j 06:50	0°					-12844 Jul 21 j 16:35	0°		
	-12849 Oct 19 j 06:59	0°		min. Earth dist.			-12844 Jul 27 j 01:44	5° 31'05	0.98039 AU	
	-12849 Nov 18 j 21:40	0°					-12844 Aug 19 j 23:27	0°		
	-12849 Dec 20 j 02:02	0°					-12844 Sep 18 j 12:00	0°		
	-12848 Jan 20 j 15:21	0°					-12844 Oct 18 j 12:05	0°		
max. Earth dist.	-12848 Jan 25 j 10:53	4° 33'50	1.01963 AU				-12844 Nov 18 j 02:41	0°		
	-12848 Feb 21 j 06:12	0°					-12844 Dec 19 j 06:58	0°		
	-12848 Mar 23 j 14:41	0°					-12843 Jan 19 j 20:15	0°		
	-12848 Apr 23 j 10:51	0°		max. Earth dist.			-12843 Jan 25 j 06:22	5° 08'27	1.01965 AU	

Attention, astronomical year style is used: The year -12843 in astronomical counting style is the year 12844 BCE in historical counting style.

	-12843 Feb 20 j 11:05	0°♂			-12839 Dec 19 j 12:11	0°♂	
	-12843 Mar 23 j 19:37	0°♂			-12838 Jan 20 j 01:28	0°♂	
	-12843 Apr 23 j 15:53	0°♂		max. Earth dist.	-12838 Jan 26 j 09:23	6°♂00'07	1.01966 AU
	-12843 May 23 j 21:30	0°♂			-12838 Feb 20 j 16:20	0°♂	
	-12843 Jun 22 j 14:03	0°♂			-12838 Mar 24 j 00:53	0°♂	
	-12843 Jul 21 j 22:20	0°♂			-12838 Apr 23 j 21:10	0°♂	
min. Earth dist.	-12843 Jul 28 j 12:35	6°♂45'36	0.98033 AU		-12838 May 24 j 02:47	0°♂	
	-12843 Aug 20 j 05:11	0°♂			-12838 Jun 22 j 19:19	0°♂	
	-12843 Sep 18 j 17:42	0°♂			-12838 Jul 22 j 03:38	0°♂	
	-12843 Oct 18 j 17:44	0°♂		min. Earth dist.	-12838 Jul 28 j 21:46	6°♂55'41	0.98037 AU
	-12843 Nov 18 j 08:18	0°♂			-12838 Aug 20 j 10:29	0°♂	
	-12843 Dec 19 j 12:37	0°♂			-12838 Sep 18 j 23:02	0°♂	
	-12842 Jan 20 j 01:57	0°♂			-12838 Oct 18 j 23:07	0°♂	
max. Earth dist.	-12842 Jan 26 j 09:59	6°♂00'09	1.01963 AU		-12838 Nov 18 j 13:43	0°♂	
	-12842 Feb 20 j 16:53	0°♂			-12838 Dec 19 j 18:03	0°♂	
	-12842 Mar 24 j 01:29	0°♂			-12837 Jan 20 j 07:22	0°♂	
	-12842 Apr 23 j 21:47	0°♂		max. Earth dist.	-12837 Jan 25 j 08:14	4°♂46'27	1.01963 AU
	-12842 May 24 j 03:25	0°♂			-12837 Feb 20 j 22:14	0°♂	
	-12842 Jun 22 j 19:56	0°♂			-12837 Mar 24 j 06:48	0°♂	
	-12842 Jul 22 j 04:14	0°♂			-12837 Apr 24 j 03:04	0°♂	
min. Earth dist.	-12842 Jul 27 j 00:55	4°♂59'00	0.98035 AU		-12837 May 24 j 08:40	0°♂	
	-12842 Aug 20 j 11:05	0°♂			-12837 Jun 23 j 01:11	0°♂	
	-12842 Sep 18 j 23:38	0°♂			-12837 Jul 22 j 09:30	0°♂	
	-12842 Oct 18 j 23:41	0°♂		min. Earth dist.	-12837 Jul 27 j 22:11	5°♂39'58	0.98034 AU
	-12842 Nov 18 j 14:17	0°♂			-12837 Aug 20 j 16:22	0°♂	
	-12842 Dec 19 j 18:36	0°♂			-12837 Sep 19 j 04:56	0°♂	
	-12841 Jan 20 j 07:56	0°♂			-12837 Oct 19 j 05:01	0°♂	
max. Earth dist.	-12841 Jan 27 j 03:43	6°♂28'11	1.01967 AU		-12837 Nov 18 j 19:37	0°♂	
	-12841 Feb 20 j 22:49	0°♂			-12837 Dec 19 j 23:55	0°♂	
	-12841 Mar 24 j 07:23	0°♂			-12836 Jan 20 j 13:14	0°♂	
	-12841 Apr 24 j 03:38	0°♂		max. Earth dist.	-12836 Jan 27 j 20:21	6°♂54'57	1.01962 AU
	-12841 May 24 j 09:12	0°♂			-12836 Feb 21 j 04:06	0°♂	
	-12841 Jun 23 j 01:43	0°♂			-12836 Mar 23 j 12:40	0°♂	
	-12841 Jul 22 j 10:02	0°♂			-12836 Apr 23 j 08:56	0°♂	
min. Earth dist.	-12841 Jul 28 j 13:26	6°♂17'55	0.98042 AU		-12836 May 23 j 14:33	0°♂	
	-12841 Aug 20 j 16:56	0°♂			-12836 Jun 22 j 07:06	0°♂	
	-12841 Sep 19 j 05:33	0°♂			-12836 Jul 21 j 15:26	0°♂	
	-12841 Oct 19 j 05:40	0°♂		min. Earth dist.	-12836 Jul 26 j 14:26	5°♂05'01	0.98041 AU
	-12841 Nov 18 j 20:15	0°♂			-12836 Aug 19 j 22:20	0°♂	
	-12841 Dec 20 j 00:32	0°♂			-12836 Sep 18 j 10:55	0°♂	
	-12840 Jan 20 j 13:47	0°♂			-12836 Oct 18 j 10:59	0°♂	
max. Earth dist.	-12840 Jan 25 j 15:58	4°♂49'40	1.01962 AU		-12836 Nov 18 j 01:33	0°♂	
	-12840 Feb 21 j 04:37	0°♂			-12836 Dec 19 j 05:49	0°♂	
	-12840 Mar 23 j 13:09	0°♂			-12835 Jan 19 j 19:05	0°♂	
	-12840 Apr 23 j 09:26	0°♂		max. Earth dist.	-12835 Jan 25 j 13:58	5°♂29'15	1.01966 AU
	-12840 May 23 j 15:02	0°♂			-12835 Feb 20 j 09:57	0°♂	
	-12840 Jun 22 j 07:34	0°♂			-12835 Mar 23 j 18:32	0°♂	
	-12840 Jul 21 j 15:52	0°♂			-12835 Apr 23 j 14:50	0°♂	
min. Earth dist.	-12840 Jul 27 j 18:19	6°♂15'15	0.98035 AU		-12835 May 23 j 20:27	0°♂	
	-12840 Aug 19 j 22:46	0°♂			-12835 Jun 22 j 12:58	0°♂	
	-12840 Sep 18 j 11:20	0°♂			-12835 Jul 21 j 21:14	0°♂	
	-12840 Oct 18 j 11:25	0°♂		min. Earth dist.	-12835 Jul 28 j 14:19	6°♂52'57	0.98033 AU
	-12840 Nov 18 j 01:59	0°♂			-12835 Aug 20 j 04:04	0°♂	
	-12840 Dec 19 j 06:14	0°♂			-12835 Sep 18 j 16:35	0°♂	
	-12839 Jan 19 j 19:30	0°♂			-12835 Oct 18 j 16:37	0°♂	
max. Earth dist.	-12839 Jan 27 j 00:30	6°♂49'53	1.01959 AU		-12835 Nov 18 j 07:11	0°♂	
	-12839 Feb 20 j 10:22	0°♂			-12835 Dec 19 j 11:28	0°♂	
	-12839 Mar 23 j 18:58	0°♂			-12834 Jan 20 j 00:48	0°♂	
	-12839 Apr 23 j 15:18	0°♂		max. Earth dist.	-12834 Jan 25 j 23:11	5°♂37'20	1.01965 AU
	-12839 May 23 j 20:59	0°♂			-12834 Feb 20 j 15:45	0°♂	
	-12839 Jun 22 j 13:33	0°♂			-12834 Mar 24 j 00:25	0°♂	
	-12839 Jul 21 j 21:51	0°♂			-12834 Apr 23 j 20:47	0°♂	
min. Earth dist.	-12839 Jul 26 j 16:12	4°♂53'03	0.98037 AU		-12834 May 24 j 02:26	0°♂	
	-12839 Aug 20 j 04:43	0°♂			-12834 Jun 22 j 18:56	0°♂	
	-12839 Sep 18 j 17:15	0°♂			-12834 Jul 22 j 03:11	0°♂	
	-12839 Oct 18 j 17:19	0°♂		min. Earth dist.	-12834 Jul 27 j 04:59	5°♂12'09	0.98029 AU
	-12839 Nov 18 j 07:54	0°♂			-12834 Aug 20 j 09:58	0°♂	

Attention, astronomical year style is used: The year -12824 in astronomical counting style is the year 12825 BCE in historical counting style.

	-12824 Apr 23 j 06:59	0°≈		max. Earth dist.	-12819 Jan 26 j 07:26	6°ℓ17'30	1.01967 AU
	-12824 May 23 j 12:40	0°✕			-12819 Feb 20 j 07:05	0°✕	
	-12824 Jun 22 j 05:16	0°Y			-12819 Mar 23 j 15:46	0°З	
	-12824 Jul 21 j 13:37	0°Б			-12819 Apr 23 j 12:13	0°≈	
min. Earth dist.	-12824 Jul 28 j 08:23	6°Б57'11	0.98036 AU		-12819 May 23 j 18:02	0°✕	
	-12824 Aug 19 j 20:29	0°II			-12819 Jun 22 j 10:42	0°Y	
	-12824 Sep 18 j 08:58	0°☾			-12819 Jul 21 j 19:03	0°Б	
	-12824 Oct 18 j 08:55	0°Ω		min. Earth dist.	-12819 Jul 28 j 23:55	7°Б23'13	0.98035 AU
	-12824 Nov 17 j 23:21	0°ℳ			-12819 Aug 20 j 01:52	0°II	
	-12824 Dec 19 j 03:31	0°♁			-12819 Sep 18 j 14:16	0°☾	
	-12823 Jan 19 j 16:46	0°ℓ			-12819 Oct 18 j 14:07	0°Ω	
max. Earth dist.	-12823 Jan 26 j 10:05	6°ℓ22'09	1.01962 AU		-12819 Nov 18 j 04:30	0°ℳ	
	-12823 Feb 20 j 07:42	0°✕			-12819 Dec 19 j 08:39	0°♁	
	-12823 Mar 23 j 16:24	0°З			-12818 Jan 19 j 21:55	0°ℓ	
	-12823 Apr 23 j 12:50	0°≈		max. Earth dist.	-12818 Jan 25 j 10:47	5°ℓ14'53	1.01965 AU
	-12823 May 23 j 18:35	0°✕			-12818 Feb 20 j 12:53	0°✕	
	-12823 Jun 22 j 11:12	0°Y			-12818 Mar 23 j 21:37	0°З	
	-12823 Jul 21 j 19:31	0°Б			-12818 Apr 23 j 18:06	0°≈	
min. Earth dist.	-12823 Jul 26 j 20:13	5°Б09'16	0.98034 AU		-12818 May 23 j 23:55	0°✕	
	-12823 Aug 20 j 02:21	0°II			-12818 Jun 22 j 16:34	0°Y	
	-12823 Sep 18 j 14:49	0°☾			-12818 Jul 22 j 00:56	0°Б	
	-12823 Oct 18 j 14:45	0°Ω		min. Earth dist.	-12818 Jul 27 j 21:53	6°Б01'09	0.98033 AU
	-12823 Nov 18 j 05:12	0°ℳ			-12818 Aug 20 j 07:45	0°II	
	-12823 Dec 19 j 09:24	0°♁			-12818 Sep 18 j 20:11	0°☾	
	-12822 Jan 19 j 22:41	0°ℓ			-12818 Oct 18 j 20:04	0°Ω	
max. Earth dist.	-12822 Jan 27 j 04:01	6°ℓ50'48	1.01969 AU		-12818 Nov 18 j 10:28	0°ℳ	
	-12822 Feb 20 j 13:38	0°✕			-12818 Dec 19 j 14:38	0°♁	
	-12822 Mar 23 j 22:20	0°З			-12817 Jan 20 j 03:53	0°ℓ	
	-12822 Apr 23 j 18:46	0°≈		max. Earth dist.	-12817 Jan 27 j 21:24	7°ℓ19'32	1.01965 AU
	-12822 May 24 j 00:29	0°✕			-12817 Feb 20 j 18:50	0°✕	
	-12822 Jun 22 j 17:03	0°Y			-12817 Mar 24 j 03:32	0°З	
	-12822 Jul 22 j 01:20	0°Б			-12817 Apr 24 j 00:01	0°≈	
min. Earth dist.	-12822 Jul 28 j 12:25	6°Б37'37	0.98036 AU		-12817 May 24 j 05:48	0°✕	
	-12822 Aug 20 j 08:08	0°II			-12817 Jun 22 j 22:27	0°Y	
	-12822 Sep 18 j 20:36	0°☾			-12817 Jul 22 j 06:49	0°Б	
	-12822 Oct 18 j 20:34	0°Ω		min. Earth dist.	-12817 Jul 27 j 13:26	5°Б24'34	0.98040 AU
	-12822 Nov 18 j 11:03	0°ℳ			-12817 Aug 20 j 13:41	0°II	
	-12822 Dec 19 j 15:16	0°♁			-12817 Sep 19 j 02:10	0°☾	
	-12821 Jan 20 j 04:32	0°ℓ			-12817 Oct 19 j 02:06	0°Ω	
max. Earth dist.	-12821 Jan 25 j 12:00	5°ℓ02'09	1.01966 AU		-12817 Nov 18 j 16:31	0°ℳ	
	-12821 Feb 20 j 19:27	0°✕			-12817 Dec 19 j 20:39	0°♁	
	-12821 Mar 24 j 04:08	0°З			-12816 Jan 20 j 09:50	0°ℓ	
	-12821 Apr 24 j 00:34	0°≈		max. Earth dist.	-12816 Jan 26 j 11:34	5°ℓ45'31	1.01964 AU
	-12821 May 24 j 06:19	0°✕			-12816 Feb 21 j 00:42	0°✕	
	-12821 Jun 22 j 22:56	0°Y			-12816 Mar 23 j 09:22	0°З	
	-12821 Jul 22 j 07:13	0°Б			-12816 Apr 23 j 05:50	0°≈	
min. Earth dist.	-12821 Jul 28 j 15:50	6°Б31'07	0.98031 AU		-12816 May 23 j 11:38	0°✕	
	-12821 Aug 20 j 14:01	0°II			-12816 Jun 22 j 04:20	0°Y	
	-12821 Sep 19 j 02:28	0°☾			-12816 Jul 21 j 12:42	0°Б	
	-12821 Oct 19 j 02:25	0°Ω		min. Earth dist.	-12816 Jul 28 j 15:02	7°Б16'38	0.98036 AU
	-12821 Nov 18 j 16:52	0°ℳ			-12816 Aug 19 j 19:33	0°II	
	-12821 Dec 19 j 21:03	0°♁			-12816 Sep 18 j 07:59	0°☾	
	-12820 Jan 20 j 10:18	0°ℓ			-12816 Oct 18 j 07:52	0°Ω	
max. Earth dist.	-12820 Jan 27 j 21:19	7°ℓ04'06	1.01961 AU		-12816 Nov 17 j 22:14	0°ℳ	
	-12820 Feb 21 j 01:13	0°✕			-12816 Dec 19 j 02:20	0°♁	
	-12820 Mar 23 j 09:54	0°З			-12815 Jan 19 j 15:30	0°ℓ	
	-12820 Apr 23 j 06:22	0°≈		max. Earth dist.	-12815 Jan 26 j 01:23	6°ℓ04'37	1.01959 AU
	-12820 May 23 j 12:11	0°✕			-12815 Feb 20 j 06:24	0°✕	
	-12820 Jun 22 j 04:52	0°Y			-12815 Mar 23 j 15:07	0°З	
	-12820 Jul 21 j 13:13	0°Б			-12815 Apr 23 j 11:39	0°≈	
min. Earth dist.	-12820 Jul 26 j 14:26	5°Б10'39	0.98037 AU		-12815 May 23 j 17:32	0°✕	
	-12820 Aug 19 j 20:03	0°II			-12815 Jun 22 j 10:15	0°Y	
	-12820 Sep 18 j 08:29	0°☾			-12815 Jul 21 j 18:38	0°Б	
	-12820 Oct 18 j 08:22	0°Ω		min. Earth dist.	-12815 Jul 27 j 05:13	5°Б34'35	0.98034 AU
	-12820 Nov 17 j 22:47	0°ℳ			-12815 Aug 20 j 01:27	0°II	
	-12820 Dec 19 j 02:57	0°♁			-12815 Sep 18 j 13:52	0°☾	
	-12819 Jan 19 j 16:11	0°ℓ			-12815 Oct 18 j 13:44	0°Ω	

Attention, astronomical year style is used: The year -12815 in astronomical counting style is the year 12816 BCE in historical counting style.

	-12815 Nov 18 j 04:07	0° \mathbb{M}			-12810 Aug 20 j 06:33	0° \mathbb{I}		
	-12815 Dec 19 j 08:16	0° \mathbb{L}			-12810 Sep 18 j 18:56	0° \mathbb{G}		
	-12814 Jan 19 j 21:29	0° \mathbb{M}			-12810 Oct 18 j 18:48	0° \mathbb{O}		
max. Earth dist.	-12814 Jan 27 j 10:15	7° \mathbb{M} 08'23	1.01965 AU		-12810 Nov 18 j 09:12	0° \mathbb{M}		
	-12814 Feb 20 j 12:24	0° \mathbb{J}			-12810 Dec 19 j 13:22	0° \mathbb{L}		
	-12814 Mar 23 j 21:06	0° \mathbb{Z}			-12809 Jan 20 j 02:37	0° \mathbb{M}		
	-12814 Apr 23 j 17:35	0° \approx		max. Earth dist.	-12809 Jan 27 j 21:21	7° \mathbb{M} 22'24	1.01965 AU	
	-12814 May 23 j 23:23	0° \mathbb{H}			-12809 Feb 20 j 17:34	0° \mathbb{J}		
	-12814 Jun 22 j 16:05	0° \mathbb{Y}			-12809 Mar 24 j 02:18	0° \mathbb{Z}		
	-12814 Jul 22 j 00:27	0° \mathbb{B}			-12809 Apr 23 j 22:49	0° \approx		
min. Earth dist.	-12814 Jul 28 j 08:49	6° \mathbb{B} 30'38	0.98040 AU		-12809 May 24 j 04:40	0° \mathbb{H}		
	-12814 Aug 20 j 07:18	0° \mathbb{I}			-12809 Jun 22 j 21:21	0° \mathbb{Y}		
	-12814 Sep 18 j 19:44	0° \mathbb{G}			-12809 Jul 22 j 05:41	0° \mathbb{B}		
	-12814 Oct 18 j 19:37	0° \mathbb{O}		min. Earth dist.	-12809 Jul 27 j 10:08	5° \mathbb{B} 18'58	0.98036 AU	
	-12814 Nov 18 j 10:02	0° \mathbb{M}			-12809 Aug 20 j 12:29	0° \mathbb{I}		
	-12814 Dec 19 j 14:11	0° \mathbb{L}			-12809 Sep 19 j 00:53	0° \mathbb{G}		
	-12813 Jan 20 j 03:25	0° \mathbb{M}			-12809 Oct 19 j 00:45	0° \mathbb{O}		
max. Earth dist.	-12813 Jan 25 j 15:01	5° \mathbb{M} 11'59	1.01965 AU		-12809 Nov 18 j 15:08	0° \mathbb{M}		
	-12813 Feb 20 j 18:18	0° \mathbb{J}			-12809 Dec 19 j 19:16	0° \mathbb{L}		
	-12813 Mar 24 j 02:58	0° \mathbb{Z}			-12808 Jan 20 j 08:29	0° \mathbb{M}		
	-12813 Apr 23 j 23:24	0° \approx		max. Earth dist.	-12808 Jan 26 j 17:47	6° \mathbb{M} 03'24	1.01967 AU	
	-12813 May 24 j 05:12	0° \mathbb{H}			-12808 Feb 20 j 23:23	0° \mathbb{J}		
	-12813 Jun 22 j 21:52	0° \mathbb{Y}			-12808 Mar 23 j 08:05	0° \mathbb{Z}		
	-12813 Jul 22 j 06:15	0° \mathbb{B}			-12808 Apr 23 j 04:36	0° \approx		
min. Earth dist.	-12813 Jul 28 j 23:55	6° \mathbb{B} 54'18	0.98036 AU		-12808 May 23 j 10:28	0° \mathbb{H}		
	-12813 Aug 20 j 13:07	0° \mathbb{I}			-12808 Jun 22 j 03:11	0° \mathbb{Y}		
	-12813 Sep 19 j 01:35	0° \mathbb{G}			-12808 Jul 21 j 11:35	0° \mathbb{B}		
	-12813 Oct 19 j 01:28	0° \mathbb{O}		min. Earth dist.	-12808 Jul 28 j 21:08	7° \mathbb{B} 35'13	0.98035 AU	
	-12813 Nov 18 j 15:51	0° \mathbb{M}			-12808 Aug 19 j 18:22	0° \mathbb{I}		
	-12813 Dec 19 j 19:57	0° \mathbb{L}			-12808 Sep 18 j 06:43	0° \mathbb{G}		
	-12812 Jan 20 j 09:09	0° \mathbb{M}			-12808 Oct 18 j 06:29	0° \mathbb{O}		
max. Earth dist.	-12812 Jan 27 j 15:25	6° \mathbb{M} 52'50	1.01959 AU		-12808 Nov 17 j 20:46	0° \mathbb{M}		
	-12812 Feb 21 j 00:04	0° \mathbb{J}			-12808 Dec 19 j 00:50	0° \mathbb{L}		
	-12812 Mar 23 j 08:45	0° \mathbb{Z}			-12807 Jan 19 j 14:02	0° \mathbb{M}		
	-12812 Apr 23 j 05:13	0° \approx		max. Earth dist.	-12807 Jan 25 j 15:25	5° \mathbb{M} 44'31	1.01963 AU	
	-12812 May 23 j 11:02	0° \mathbb{H}			-12807 Feb 20 j 04:59	0° \mathbb{J}		
	-12812 Jun 22 j 03:44	0° \mathbb{Y}			-12807 Mar 23 j 13:45	0° \mathbb{Z}		
	-12812 Jul 21 j 12:08	0° \mathbb{B}			-12807 Apr 23 j 10:20	0° \approx		
min. Earth dist.	-12812 Jul 26 j 12:42	5° \mathbb{B} 08'55	0.98039 AU		-12807 May 23 j 16:15	0° \mathbb{H}		
	-12812 Aug 19 j 19:01	0° \mathbb{I}			-12807 Jun 22 j 09:01	0° \mathbb{Y}		
	-12812 Sep 18 j 07:28	0° \mathbb{G}			-12807 Jul 21 j 17:25	0° \mathbb{B}		
	-12812 Oct 18 j 07:22	0° \mathbb{O}		min. Earth dist.	-12807 Jul 27 j 13:01	5° \mathbb{B} 57'41	0.98033 AU	
	-12812 Nov 17 j 21:44	0° \mathbb{M}			-12807 Aug 20 j 00:13	0° \mathbb{I}		
	-12812 Dec 19 j 01:50	0° \mathbb{L}			-12807 Sep 18 j 12:34	0° \mathbb{G}		
	-12811 Jan 19 j 15:02	0° \mathbb{M}			-12807 Oct 18 j 12:20	0° \mathbb{O}		
max. Earth dist.	-12811 Jan 26 j 16:38	6° \mathbb{M} 42'01	1.01966 AU		-12807 Nov 18 j 02:36	0° \mathbb{M}		
	-12811 Feb 20 j 05:56	0° \mathbb{J}			-12807 Dec 19 j 06:40	0° \mathbb{L}		
	-12811 Mar 23 j 14:39	0° \mathbb{Z}			-12806 Jan 19 j 19:54	0° \mathbb{M}		
	-12811 Apr 23 j 11:08	0° \approx		max. Earth dist.	-12806 Jan 27 j 17:30	7° \mathbb{M} 29'15	1.01968 AU	
	-12811 May 23 j 16:57	0° \mathbb{H}			-12806 Feb 20 j 10:53	0° \mathbb{J}		
	-12811 Jun 22 j 09:36	0° \mathbb{Y}			-12806 Mar 23 j 19:41	0° \mathbb{Z}		
	-12811 Jul 21 j 17:56	0° \mathbb{B}			-12806 Apr 23 j 16:14	0° \approx		
min. Earth dist.	-12811 Jul 28 j 18:11	7° \mathbb{B} 11'24	0.98036 AU		-12806 May 23 j 22:06	0° \mathbb{H}		
	-12811 Aug 20 j 00:45	0° \mathbb{I}			-12806 Jun 22 j 14:49	0° \mathbb{Y}		
	-12811 Sep 18 j 13:10	0° \mathbb{G}			-12806 Jul 21 j 23:12	0° \mathbb{B}		
	-12811 Oct 18 j 13:02	0° \mathbb{O}		min. Earth dist.	-12806 Jul 27 j 23:38	6° \mathbb{B} 10'15	0.98040 AU	
	-12811 Nov 18 j 03:24	0° \mathbb{M}			-12806 Aug 20 j 06:02	0° \mathbb{I}		
	-12811 Dec 19 j 07:31	0° \mathbb{L}			-12806 Sep 18 j 18:26	0° \mathbb{G}		
	-12810 Jan 19 j 20:45	0° \mathbb{M}			-12806 Oct 18 j 18:15	0° \mathbb{O}		
max. Earth dist.	-12810 Jan 25 j 09:00	5° \mathbb{M} 13'27	1.01966 AU		-12806 Nov 18 j 08:33	0° \mathbb{M}		
	-12810 Feb 20 j 11:42	0° \mathbb{J}			-12806 Dec 19 j 12:37	0° \mathbb{L}		
	-12810 Mar 23 j 20:27	0° \mathbb{Z}			-12805 Jan 20 j 01:48	0° \mathbb{M}		
	-12810 Apr 23 j 16:59	0° \approx		max. Earth dist.	-12805 Jan 26 j 00:26	5° \mathbb{M} 38'07	1.01967 AU	
	-12810 May 23 j 22:49	0° \mathbb{H}			-12805 Feb 20 j 16:44	0° \mathbb{J}		
	-12810 Jun 22 j 15:28	0° \mathbb{Y}			-12805 Mar 24 j 01:29	0° \mathbb{Z}		
	-12810 Jul 21 j 23:47	0° \mathbb{B}			-12805 Apr 23 j 22:02	0° \approx		
min. Earth dist.	-12810 Jul 28 j 04:10	6° \mathbb{B} 20'16	0.98029 AU		-12805 May 24 j 03:55	0° \mathbb{H}		

Attention, astronomical year style is used: The year -12805 in astronomical counting style is the year 12806 BCE in historical counting style.

	-12805 Jun 22 j 20:37	0°Υ			-12800 Mar 23 j 06:46	0°Ξ		
	-12805 Jul 22 j 05:00	0°Ϡ			-12800 Apr 23 j 03:19	0°≈		
min. Earth dist.	-12805 Jul 29 j 06:14	7°Ϡ13'46	0.98035 AU		-12800 May 23 j 09:12	0°Ϡ		
	-12805 Aug 20 j 11:50	0°Π			-12800 Jun 22 j 01:56	0°Υ		
	-12805 Sep 19 j 00:15	0°Ϣ			-12800 Jul 21 j 10:21	0°Ϡ		
	-12805 Oct 19 j 00:05	0°Ω		min. Earth dist.	-12800 Jul 28 j 20:46	7°Ϡ37'26	0.98037 AU	
	-12805 Nov 18 j 14:23	0°ϣ			-12800 Aug 19 j 17:11	0°Π		
	-12805 Dec 19 j 18:24	0°ϡ			-12800 Sep 18 j 05:33	0°Ϣ		
	-12804 Jan 20 j 07:31	0°ϣ			-12800 Oct 18 j 05:18	0°Ω		
max. Earth dist.	-12804 Jan 27 j 10:53	6°ϣ46'00	1.01957 AU		-12800 Nov 17 j 19:32	0°ϣ		
	-12804 Feb 20 j 22:25	0°Ϡ			-12800 Dec 18 j 23:33	0°ϡ		
	-12804 Mar 23 j 07:11	0°Ξ			-12799 Jan 19 j 12:43	0°ϣ		
	-12804 Apr 23 j 03:46	0°≈		max. Earth dist.	-12799 Jan 25 j 10:58	5°ϣ37'08	1.01964 AU	
	-12804 May 23 j 09:42	0°Ϡ			-12799 Feb 20 j 03:40	0°Ϡ		
	-12804 Jun 22 j 02:28	0°Υ			-12799 Mar 23 j 12:30	0°Ξ		
	-12804 Jul 21 j 10:53	0°Ϡ			-12799 Apr 23 j 09:08	0°≈		
min. Earth dist.	-12804 Jul 26 j 17:35	5°Ϡ24'39	0.98037 AU		-12799 May 23 j 15:05	0°Ϡ		
	-12804 Aug 19 j 17:43	0°Π			-12799 Jun 22 j 07:51	0°Υ		
	-12804 Sep 18 j 06:08	0°Ϣ			-12799 Jul 21 j 16:14	0°Ϡ		
	-12804 Oct 18 j 05:57	0°Ω		min. Earth dist.	-12799 Jul 27 j 18:13	6°Ϡ14'03	0.98031 AU	
	-12804 Nov 17 j 20:16	0°ϣ			-12799 Aug 19 j 23:01	0°Π		
	-12804 Dec 19 j 00:19	0°ϡ			-12799 Sep 18 j 11:22	0°Ϣ		
	-12803 Jan 19 j 13:27	0°ϣ			-12799 Oct 18 j 11:07	0°Ω		
max. Earth dist.	-12803 Jan 27 j 01:48	7°ϣ07'27	1.01963 AU		-12799 Nov 18 j 01:22	0°ϣ		
	-12803 Feb 20 j 04:20	0°Ϡ			-12799 Dec 19 j 05:25	0°ϡ		
	-12803 Mar 23 j 13:05	0°Ξ			-12798 Jan 19 j 18:38	0°ϣ		
	-12803 Apr 23 j 09:40	0°≈		max. Earth dist.	-12798 Jan 27 j 21:55	7°ϣ42'39	1.01967 AU	
	-12803 May 23 j 15:36	0°Ϡ			-12798 Feb 20 j 09:38	0°Ϡ		
	-12803 Jun 22 j 08:22	0°Υ			-12798 Mar 23 j 18:29	0°Ξ		
	-12803 Jul 21 j 16:46	0°Ϡ			-12798 Apr 23 j 15:07	0°≈		
min. Earth dist.	-12803 Jul 28 j 17:07	7°Ϡ11'41	0.98037 AU		-12798 May 23 j 21:04	0°Ϡ		
	-12803 Aug 19 j 23:33	0°Π			-12798 Jun 22 j 13:48	0°Υ		
	-12803 Sep 18 j 11:54	0°Ϣ			-12798 Jul 21 j 22:09	0°Ϡ		
	-12803 Oct 18 j 11:41	0°Ω		min. Earth dist.	-12798 Jul 27 j 15:06	5°Ϡ51'04	0.98035 AU	
	-12803 Nov 18 j 01:59	0°ϣ			-12798 Aug 20 j 04:55	0°Π		
	-12803 Dec 19 j 06:03	0°ϡ			-12798 Sep 18 j 17:15	0°Ϣ		
	-12802 Jan 19 j 19:15	0°ϣ			-12798 Oct 18 j 17:02	0°Ω		
max. Earth dist.	-12802 Jan 25 j 09:22	5°ϣ17'55	1.01965 AU		-12798 Nov 18 j 07:20	0°ϣ		
	-12802 Feb 20 j 10:10	0°Ϡ			-12798 Dec 19 j 11:24	0°ϡ		
	-12802 Mar 23 j 18:56	0°Ξ			-12797 Jan 20 j 00:36	0°ϣ		
	-12802 Apr 23 j 15:30	0°≈		max. Earth dist.	-12797 Jan 26 j 06:58	5°ϣ56'28	1.01968 AU	
	-12802 May 23 j 21:25	0°Ϡ			-12797 Feb 20 j 15:32	0°Ϡ		
	-12802 Jun 22 j 14:10	0°Υ			-12797 Mar 24 j 00:20	0°Ξ		
	-12802 Jul 21 j 22:34	0°Ϡ			-12797 Apr 23 j 20:58	0°≈		
min. Earth dist.	-12802 Jul 28 j 14:31	6°Ϡ49'53	0.98032 AU		-12797 May 24 j 02:55	0°Ϡ		
	-12802 Aug 20 j 05:22	0°Π			-12797 Jun 22 j 19:41	0°Υ		
	-12802 Sep 18 j 17:43	0°Ϣ			-12797 Jul 22 j 04:04	0°Ϡ		
	-12802 Oct 18 j 17:30	0°Ω		min. Earth dist.	-12797 Jul 29 j 13:40	7°Ϡ35'16	0.98033 AU	
	-12802 Nov 18 j 07:49	0°ϣ			-12797 Aug 20 j 10:51	0°Π		
	-12802 Dec 19 j 11:55	0°ϡ			-12797 Sep 18 j 23:10	0°Ϣ		
	-12801 Jan 20 j 01:09	0°ϣ			-12797 Oct 18 j 22:55	0°Ω		
max. Earth dist.	-12801 Jan 27 j 18:47	7°ϣ19'46	1.01963 AU		-12797 Nov 18 j 13:09	0°ϣ		
	-12801 Feb 20 j 16:06	0°Ϡ			-12797 Dec 19 j 17:09	0°ϡ		
	-12801 Mar 24 j 00:51	0°Ξ			-12796 Jan 20 j 06:18	0°ϣ		
	-12801 Apr 23 j 21:23	0°≈		max. Earth dist.	-12796 Jan 27 j 00:02	6°ϣ23'12	1.01960 AU	
	-12801 May 24 j 03:17	0°Ϡ			-12796 Feb 20 j 21:14	0°Ϡ		
	-12801 Jun 22 j 20:02	0°Υ			-12796 Mar 23 j 06:02	0°Ξ		
	-12801 Jul 22 j 04:27	0°Ϡ			-12796 Apr 23 j 02:41	0°≈		
min. Earth dist.	-12801 Jul 27 j 08:45	5°Ϡ18'32	0.98039 AU		-12796 May 23 j 08:41	0°Ϡ		
	-12801 Aug 20 j 11:18	0°Π			-12796 Jun 22 j 01:32	0°Υ		
	-12801 Sep 18 j 23:42	0°Ϣ			-12796 Jul 21 j 09:59	0°Ϡ		
	-12801 Oct 18 j 23:31	0°Ω		min. Earth dist.	-12796 Jul 27 j 02:05	5°Ϡ48'40	0.98036 AU	
	-12801 Nov 18 j 13:50	0°ϣ			-12796 Aug 19 j 16:49	0°Π		
	-12801 Dec 19 j 17:55	0°ϡ			-12796 Sep 18 j 05:08	0°Ϣ		
	-12800 Jan 20 j 07:06	0°ϣ			-12796 Oct 18 j 04:50	0°Ω		
max. Earth dist.	-12800 Jan 27 j 02:36	6°ϣ27'33	1.01967 AU		-12796 Nov 17 j 19:03	0°ϣ		
	-12800 Feb 20 j 22:02	0°Ϡ			-12796 Dec 18 j 23:02	0°ϡ		

Attention, astronomical year style is used: The year -12795 in astronomical counting style is the year 12796 BCE in historical counting style.

	-12795 Jan 19 j 12:12	0° \mathbb{M}					-12791 Oct 18 j 09:59	0° Ω			
max. Earth dist.	-12795 Jan 27 j 09:51	7° \mathbb{M} 29'26	1.01965 AU				-12791 Nov 18 j 00:10	0° \mathbb{M}			
	-12795 Feb 20 j 03:09	0° \mathbb{A}					-12791 Dec 19 j 04:10	0° \mathbb{A}			
	-12795 Mar 23 j 11:58	0° \mathbb{B}					-12790 Jan 19 j 17:21	0° \mathbb{M}			
	-12795 Apr 23 j 08:37	0° \approx			max. Earth dist.	-12790 Jan 27 j 22:16	7° \mathbb{M} 46'32	1.01964 AU			
	-12795 May 23 j 14:36	0° \mathbb{H}				-12790 Feb 20 j 08:19	0° \mathbb{A}				
	-12795 Jun 22 j 07:26	0° \mathbb{Y}				-12790 Mar 23 j 17:08	0° \mathbb{B}				
	-12795 Jul 21 j 15:52	0° \mathbb{B}				-12790 Apr 23 j 13:47	0° \approx				
min. Earth dist.	-12795 Jul 28 j 12:00	7° \mathbb{B} 00'48	0.98039 AU			-12790 May 23 j 19:47	0° \mathbb{H}				
	-12795 Aug 19 j 22:40	0° \mathbb{I}				-12790 Jun 22 j 12:35	0° \mathbb{Y}				
	-12795 Sep 18 j 10:58	0° \mathbb{B}				-12790 Jul 21 j 21:01	0° \mathbb{B}				
	-12795 Oct 18 j 10:40	0° Ω			min. Earth dist.	-12790 Jul 27 j 10:54	5° \mathbb{B} 43'10	0.98038 AU			
	-12795 Nov 18 j 00:51	0° \mathbb{M}				-12790 Aug 20 j 03:49	0° \mathbb{I}				
	-12795 Dec 19 j 04:50	0° \mathbb{A}				-12790 Sep 18 j 16:08	0° \mathbb{B}				
	-12794 Jan 19 j 18:01	0° \mathbb{M}				-12790 Oct 18 j 15:51	0° Ω				
max. Earth dist.	-12794 Jan 25 j 15:36	5° \mathbb{M} 35'40	1.01967 AU			-12790 Nov 18 j 06:05	0° \mathbb{M}				
	-12794 Feb 20 j 08:58	0° \mathbb{A}				-12790 Dec 19 j 10:06	0° \mathbb{A}				
	-12794 Mar 23 j 17:48	0° \mathbb{B}				-12789 Jan 19 j 23:17	0° \mathbb{M}				
	-12794 Apr 23 j 14:27	0° \approx			max. Earth dist.	-12789 Jan 26 j 13:44	6° \mathbb{M} 15'38	1.01968 AU			
	-12794 May 23 j 20:25	0° \mathbb{H}				-12789 Feb 20 j 14:13	0° \mathbb{A}				
	-12794 Jun 22 j 13:13	0° \mathbb{Y}				-12789 Mar 23 j 23:01	0° \mathbb{B}				
	-12794 Jul 21 j 21:39	0° \mathbb{B}				-12789 Apr 23 j 19:37	0° \approx				
min. Earth dist.	-12794 Jul 28 j 22:25	7° \mathbb{B} 12'33	0.98034 AU			-12789 May 24 j 01:35	0° \mathbb{H}				
	-12794 Aug 20 j 04:28	0° \mathbb{I}				-12789 Jun 22 j 18:23	0° \mathbb{Y}				
	-12794 Sep 18 j 16:48	0° \mathbb{B}				-12789 Jul 22 j 02:49	0° \mathbb{B}				
	-12794 Oct 18 j 16:32	0° Ω			min. Earth dist.	-12789 Jul 29 j 16:02	7° \mathbb{B} 44'35	0.98037 AU			
	-12794 Nov 18 j 06:44	0° \mathbb{M}				-12789 Aug 20 j 09:38	0° \mathbb{I}				
	-12794 Dec 19 j 10:44	0° \mathbb{A}				-12789 Sep 18 j 21:59	0° \mathbb{B}				
	-12793 Jan 19 j 23:53	0° \mathbb{M}				-12789 Oct 18 j 21:41	0° Ω				
max. Earth dist.	-12793 Jan 27 j 17:50	7° \mathbb{M} 20'32	1.01961 AU			-12789 Nov 18 j 11:51	0° \mathbb{M}				
	-12793 Feb 20 j 14:50	0° \mathbb{A}				-12789 Dec 19 j 15:48	0° \mathbb{A}				
	-12793 Mar 23 j 23:39	0° \mathbb{B}				-12788 Jan 20 j 04:55	0° \mathbb{M}				
	-12793 Apr 23 j 20:17	0° \approx			max. Earth dist.	-12788 Jan 26 j 14:57	6° \mathbb{M} 05'01	1.01960 AU			
	-12793 May 24 j 02:15	0° \mathbb{H}				-12788 Feb 20 j 19:51	0° \mathbb{A}				
	-12793 Jun 22 j 19:03	0° \mathbb{Y}				-12788 Mar 23 j 04:41	0° \mathbb{B}				
	-12793 Jul 22 j 03:29	0° \mathbb{B}				-12788 Apr 23 j 01:20	0° \approx				
min. Earth dist.	-12793 Jul 27 j 09:37	5° \mathbb{B} 23'11	0.98038 AU			-12788 May 23 j 07:21	0° \mathbb{H}				
	-12793 Aug 20 j 10:20	0° \mathbb{I}				-12788 Jun 22 j 00:11	0° \mathbb{Y}				
	-12793 Sep 18 j 22:43	0° \mathbb{B}				-12788 Jul 21 j 08:37	0° \mathbb{B}				
	-12793 Oct 18 j 22:29	0° Ω			min. Earth dist.	-12788 Jul 27 j 05:58	6° \mathbb{B} 02'07	0.98035 AU			
	-12793 Nov 18 j 12:44	0° \mathbb{M}				-12788 Aug 19 j 15:27	0° \mathbb{I}				
	-12793 Dec 19 j 16:44	0° \mathbb{A}				-12788 Sep 18 j 03:47	0° \mathbb{B}				
	-12792 Jan 20 j 05:51	0° \mathbb{M}				-12788 Oct 18 j 03:28	0° Ω				
max. Earth dist.	-12792 Jan 27 j 12:59	6° \mathbb{M} 55'10	1.01964 AU			-12788 Nov 17 j 17:38	0° \mathbb{M}				
	-12792 Feb 20 j 20:44	0° \mathbb{A}				-12788 Dec 18 j 21:35	0° \mathbb{A}				
	-12792 Mar 23 j 05:31	0° \mathbb{B}				-12787 Jan 19 j 10:44	0° \mathbb{M}				
	-12792 Apr 23 j 02:09	0° \approx			max. Earth dist.	-12787 Jan 27 j 16:24	7° \mathbb{M} 48'24	1.01965 AU			
	-12792 May 23 j 08:08	0° \mathbb{H}				-12787 Feb 20 j 01:42	0° \mathbb{A}				
	-12792 Jun 22 j 00:57	0° \mathbb{Y}				-12787 Mar 23 j 10:34	0° \mathbb{B}				
	-12792 Jul 21 j 09:24	0° \mathbb{B}				-12787 Apr 23 j 07:17	0° \approx				
min. Earth dist.	-12792 Jul 28 j 21:01	7° \mathbb{B} 40'34	0.98038 AU			-12787 May 23 j 13:18	0° \mathbb{H}				
	-12792 Aug 19 j 16:12	0° \mathbb{I}				-12787 Jun 22 j 06:06	0° \mathbb{Y}				
	-12792 Sep 18 j 04:32	0° \mathbb{B}				-12787 Jul 21 j 14:29	0° \mathbb{B}				
	-12792 Oct 18 j 04:14	0° Ω			min. Earth dist.	-12787 Jul 27 j 23:57	6° \mathbb{B} 33'28	0.98036 AU			
	-12792 Nov 17 j 18:25	0° \mathbb{M}				-12787 Aug 19 j 21:14	0° \mathbb{I}				
	-12792 Dec 18 j 22:22	0° \mathbb{A}				-12787 Sep 18 j 09:30	0° \mathbb{B}				
	-12791 Jan 19 j 11:28	0° \mathbb{M}				-12787 Oct 18 j 09:11	0° Ω				
max. Earth dist.	-12791 Jan 25 j 08:30	5° \mathbb{M} 34'18	1.01961 AU			-12787 Nov 17 j 23:22	0° \mathbb{M}				
	-12791 Feb 20 j 02:22	0° \mathbb{A}				-12787 Dec 19 j 03:21	0° \mathbb{A}				
	-12791 Mar 23 j 11:11	0° \mathbb{B}				-12786 Jan 19 j 16:31	0° \mathbb{M}				
	-12791 Apr 23 j 07:53	0° \approx			max. Earth dist.	-12786 Jan 25 j 20:52	5° \mathbb{M} 51'42	1.01969 AU			
	-12791 May 23 j 13:55	0° \mathbb{H}				-12786 Feb 20 j 07:30	0° \mathbb{A}				
	-12791 Jun 22 j 06:46	0° \mathbb{Y}				-12786 Mar 23 j 16:23	0° \mathbb{B}				
	-12791 Jul 21 j 15:12	0° \mathbb{B}				-12786 Apr 23 j 13:06	0° \approx				
min. Earth dist.	-12791 Jul 28 j 04:05	6° \mathbb{B} 41'58	0.98032 AU			-12786 May 23 j 19:08	0° \mathbb{H}				
	-12791 Aug 19 j 21:59	0° \mathbb{I}				-12786 Jun 22 j 11:57	0° \mathbb{Y}				
	-12791 Sep 18 j 10:17	0° \mathbb{B}				-12786 Jul 21 j 20:20	0° \mathbb{B}				

Attention, astronomical year style is used: The year -12786 in astronomical counting style is the year 12787 BCE in historical counting style.

min. Earth dist. -12786 Jul 29 j 05:38 7° 34' 28" 0.98030 AU

	-12786 Aug 20 j 03:04	0°II			-12781 Jun 22 j 17:18	0°Y		
	-12786 Sep 18 j 15:19	0°☾			-12781 Jul 22 j 01:45	0°8		
	-12786 Oct 18 j 14:59	0°Ω		min. Earth dist.	-12781 Jul 29 j 18:39	7°854'01	0.98038 AU	
	-12786 Nov 18 j 05:10	0°ྐ			-12781 Aug 20 j 08:35	0°II		
	-12786 Dec 19 j 09:09	0°♁			-12781 Sep 18 j 20:54	0°☾		
	-12785 Jan 19 j 22:19	0°ℳ			-12781 Oct 18 j 20:33	0°Ω		
max. Earth dist.	-12785 Jan 27 j 08:28	7°ℳ02'03	1.01962 AU		-12781 Nov 18 j 10:39	0°ྐ		
	-12785 Feb 20 j 13:17	0°𐌵			-12781 Dec 19 j 14:30	0°♁		
	-12785 Mar 23 j 22:10	0°Ɔ			-12780 Jan 20 j 03:32	0°ℳ		
	-12785 Apr 23 j 18:53	0°≈		max. Earth dist.	-12780 Jan 26 j 11:20	5°ℳ59'48	1.01958 AU	
	-12785 May 24 j 00:56	0°𐌹			-12780 Feb 20 j 18:25	0°𐌵		
	-12785 Jun 22 j 17:47	0°Y			-12780 Mar 23 j 03:17	0°Ɔ		
	-12785 Jul 22 j 02:13	0°8			-12780 Apr 23 j 00:03	0°≈		
min. Earth dist.	-12785 Jul 27 j 15:40	5°841'57	0.98034 AU		-12780 May 23 j 06:11	0°𐌹		
	-12785 Aug 20 j 08:59	0°II			-12780 Jun 21 j 23:07	0°Y		
	-12785 Sep 18 j 21:15	0°☾			-12780 Jul 21 j 07:37	0°8		
	-12785 Oct 18 j 20:55	0°Ω		min. Earth dist.	-12780 Jul 27 j 15:29	6°829'05	0.98036 AU	
	-12785 Nov 18 j 11:06	0°ྐ			-12780 Aug 19 j 14:27	0°II		
	-12785 Dec 19 j 15:05	0°♁			-12780 Sep 18 j 02:44	0°☾		
	-12784 Jan 20 j 04:14	0°ℳ			-12780 Oct 18 j 02:23	0°Ω		
max. Earth dist.	-12784 Jan 27 j 20:54	7°ℳ17'40	1.01967 AU		-12780 Nov 17 j 16:30	0°ྐ		
	-12784 Feb 20 j 19:11	0°𐌵			-12780 Dec 18 j 20:23	0°♁		
	-12784 Mar 23 j 04:03	0°Ɔ			-12779 Jan 19 j 09:28	0°ℳ		
	-12784 Apr 23 j 00:45	0°≈		max. Earth dist.	-12779 Jan 27 j 20:40	8°ℳ01'30	1.01961 AU	
	-12784 May 23 j 06:50	0°𐌹			-12779 Feb 20 j 00:23	0°𐌵		
	-12784 Jun 21 j 23:44	0°Y			-12779 Mar 23 j 09:16	0°Ɔ		
	-12784 Jul 21 j 08:12	0°8			-12779 Apr 23 j 06:02	0°≈		
min. Earth dist.	-12784 Jul 28 j 21:00	7°843'36	0.98038 AU		-12779 May 23 j 12:10	0°𐌹		
	-12784 Aug 19 j 14:59	0°II			-12779 Jun 22 j 05:05	0°Y		
	-12784 Sep 18 j 03:12	0°☾			-12779 Jul 21 j 13:33	0°8		
	-12784 Oct 18 j 02:47	0°Ω		min. Earth dist.	-12779 Jul 27 j 19:31	6°824'26	0.98039 AU	
	-12784 Nov 17 j 16:51	0°ྐ			-12779 Aug 19 j 20:19	0°II		
	-12784 Dec 18 j 20:45	0°♁			-12779 Sep 18 j 08:34	0°☾		
	-12783 Jan 19 j 09:52	0°ℳ			-12779 Oct 18 j 08:12	0°Ω		
max. Earth dist.	-12783 Jan 25 j 10:54	5°ℳ43'46	1.01965 AU		-12779 Nov 17 j 22:20	0°ྐ		
	-12783 Feb 20 j 00:50	0°𐌵			-12779 Dec 19 j 02:16	0°♁		
	-12783 Mar 23 j 09:44	0°Ɔ			-12778 Jan 19 j 15:24	0°ℳ		
	-12783 Apr 23 j 06:30	0°≈		max. Earth dist.	-12778 Jan 26 j 02:31	6°ℳ07'46	1.01967 AU	
	-12783 May 23 j 12:37	0°𐌹			-12778 Feb 20 j 06:20	0°𐌵		
	-12783 Jun 22 j 05:32	0°Y			-12778 Mar 23 j 15:12	0°Ɔ		
	-12783 Jul 21 j 14:01	0°8			-12778 Apr 23 j 11:56	0°≈		
min. Earth dist.	-12783 Jul 28 j 13:41	7°809'38	0.98033 AU		-12778 May 23 j 18:01	0°𐌹		
	-12783 Aug 19 j 20:49	0°II			-12778 Jun 22 j 10:55	0°Y		
	-12783 Sep 18 j 09:03	0°☾			-12778 Jul 21 j 19:23	0°8		
	-12783 Oct 18 j 08:38	0°Ω		min. Earth dist.	-12778 Jul 29 j 12:16	7°853'55	0.98035 AU	
	-12783 Nov 17 j 22:42	0°ྐ			-12778 Aug 20 j 02:11	0°II		
	-12783 Dec 19 j 02:35	0°♁			-12778 Sep 18 j 14:26	0°☾		
	-12782 Jan 19 j 15:44	0°ℳ			-12778 Oct 18 j 14:04	0°Ω		
max. Earth dist.	-12782 Jan 28 j 01:25	7°ℳ57'46	1.01965 AU		-12778 Nov 18 j 04:11	0°ྐ		
	-12782 Feb 20 j 06:45	0°𐌵			-12778 Dec 19 j 08:07	0°♁		
	-12782 Mar 23 j 15:41	0°Ɔ			-12777 Jan 19 j 21:15	0°ℳ		
	-12782 Apr 23 j 12:27	0°≈		max. Earth dist.	-12777 Jan 26 j 21:12	6°ℳ37'57	1.01961 AU	
	-12782 May 23 j 18:31	0°𐌹			-12777 Feb 20 j 12:12	0°𐌵		
	-12782 Jun 22 j 11:24	0°Y			-12777 Mar 23 j 21:03	0°Ɔ		
	-12782 Jul 21 j 19:51	0°8			-12777 Apr 23 j 17:46	0°≈		
min. Earth dist.	-12782 Jul 27 j 09:13	5°841'45	0.98038 AU		-12777 May 23 j 23:49	0°𐌹		
	-12782 Aug 20 j 02:40	0°II			-12777 Jun 22 j 16:42	0°Y		
	-12782 Sep 18 j 14:58	0°☾			-12777 Jul 22 j 01:11	0°8		
	-12782 Oct 18 j 14:37	0°Ω		min. Earth dist.	-12777 Jul 27 j 18:25	5°851'36	0.98037 AU	
	-12782 Nov 18 j 04:45	0°ྐ			-12777 Aug 20 j 08:01	0°II		
	-12782 Dec 19 j 08:40	0°♁			-12777 Sep 18 j 20:20	0°☾		
	-12781 Jan 19 j 21:46	0°ℳ			-12777 Oct 18 j 19:59	0°Ω		
max. Earth dist.	-12781 Jan 27 j 01:35	6°ℳ47'16	1.01967 AU		-12777 Nov 18 j 10:07	0°ྐ		
	-12781 Feb 20 j 12:44	0°𐌵			-12777 Dec 19 j 14:03	0°♁		
	-12781 Mar 23 j 21:37	0°Ɔ			-12776 Jan 20 j 03:11	0°ℳ		
	-12781 Apr 23 j 18:21	0°≈		max. Earth dist.	-12776 Jan 28 j 04:30	7°ℳ38'07	1.01966 AU	

Attention, astronomical year style is used: The year -12776 in astronomical counting style is the year 12777 BCE in historical counting style.

	-12776 Feb 20 j 18:09	0°♂			-12772 Dec 18 j 18:52	0°♂	
	-12776 Mar 23 j 03:02	0°♂			-12771 Jan 19 j 07:57	0°♂	
	-12776 Apr 22 j 23:45	0°♂		max. Earth dist.	-12771 Jan 28 j 00:33	8°♂14'12	1.01964 AU
	-12776 May 23 j 05:48	0°♂			-12771 Feb 19 j 22:58	0°♂	
	-12776 Jun 21 j 22:41	0°♂			-12771 Mar 23 j 07:56	0°♂	
	-12776 Jul 21 j 07:09	0°♂			-12771 Apr 23 j 04:47	0°♂	
min. Earth dist.	-12776 Jul 28 j 08:59	7°♂15'25	0.98039 AU		-12771 May 23 j 10:59	0°♂	
	-12776 Aug 19 j 13:56	0°♂			-12771 Jun 22 j 03:56	0°♂	
	-12776 Sep 18 j 02:12	0°♂			-12771 Jul 21 j 12:25	0°♂	
	-12776 Oct 18 j 01:48	0°♂		min. Earth dist.	-12771 Jul 27 j 15:09	6°♂16'05	0.98037 AU
	-12776 Nov 17 j 15:52	0°♂			-12771 Aug 19 j 19:11	0°♂	
	-12776 Dec 18 j 19:44	0°♂			-12771 Sep 18 j 07:21	0°♂	
	-12775 Jan 19 j 08:50	0°♂			-12771 Oct 18 j 06:52	0°♂	
max. Earth dist.	-12775 Jan 25 j 14:00	5°♂53'37	1.01967 AU		-12771 Nov 17 j 20:52	0°♂	
	-12775 Feb 19 j 23:49	0°♂			-12771 Dec 19 j 00:42	0°♂	
	-12775 Mar 23 j 08:45	0°♂			-12770 Jan 19 j 13:48	0°♂	
	-12775 Apr 23 j 05:32	0°♂		max. Earth dist.	-12770 Jan 26 j 14:03	6°♂38'50	1.01970 AU
	-12775 May 23 j 11:39	0°♂			-12770 Feb 20 j 04:49	0°♂	
	-12775 Jun 22 j 04:32	0°♂			-12770 Mar 23 j 13:47	0°♂	
	-12775 Jul 21 j 12:58	0°♂			-12770 Apr 23 j 10:37	0°♂	
min. Earth dist.	-12775 Jul 28 j 18:37	7°♂25'04	0.98030 AU		-12770 May 23 j 16:47	0°♂	
	-12775 Aug 19 j 19:43	0°♂			-12770 Jun 22 j 09:43	0°♂	
	-12775 Sep 18 j 07:56	0°♂			-12770 Jul 21 j 18:12	0°♂	
	-12775 Oct 18 j 07:31	0°♂		min. Earth dist.	-12770 Jul 29 j 16:49	8°♂08'41	0.98035 AU
	-12775 Nov 17 j 21:35	0°♂			-12770 Aug 20 j 00:59	0°♂	
	-12775 Dec 19 j 01:29	0°♂			-12770 Sep 18 j 13:11	0°♂	
	-12774 Jan 19 j 14:37	0°♂			-12770 Oct 18 j 12:43	0°♂	
max. Earth dist.	-12774 Jan 27 j 20:10	7°♂47'57	1.01965 AU		-12770 Nov 18 j 02:44	0°♂	
	-12774 Feb 20 j 05:39	0°♂			-12770 Dec 19 j 06:32	0°♂	
	-12774 Mar 23 j 14:37	0°♂			-12769 Jan 19 j 19:35	0°♂	
	-12774 Apr 23 j 11:26	0°♂		max. Earth dist.	-12769 Jan 26 j 18:05	6°♂34'33	1.01960 AU
	-12774 May 23 j 17:33	0°♂			-12769 Feb 20 j 10:32	0°♂	
	-12774 Jun 22 j 10:25	0°♂			-12769 Mar 23 j 19:29	0°♂	
	-12774 Jul 21 j 18:49	0°♂			-12769 Apr 23 j 16:19	0°♂	
min. Earth dist.	-12774 Jul 27 j 09:43	5°♂45'42	0.98032 AU		-12769 May 23 j 22:30	0°♂	
	-12774 Aug 20 j 01:33	0°♂			-12769 Jun 22 j 15:27	0°♂	
	-12774 Sep 18 j 13:45	0°♂			-12769 Jul 21 j 23:57	0°♂	
	-12774 Oct 18 j 13:22	0°♂		min. Earth dist.	-12769 Jul 28 j 02:12	6°♂14'41	0.98036 AU
	-12774 Nov 18 j 03:29	0°♂			-12769 Aug 20 j 06:46	0°♂	
	-12774 Dec 19 j 07:26	0°♂			-12769 Sep 18 j 19:01	0°♂	
	-12773 Jan 19 j 20:34	0°♂			-12769 Oct 18 j 18:36	0°♂	
max. Earth dist.	-12773 Jan 27 j 08:32	7°♂06'33	1.01970 AU		-12769 Nov 18 j 08:39	0°♂	
	-12773 Feb 20 j 11:34	0°♂			-12769 Dec 19 j 12:28	0°♂	
	-12773 Mar 23 j 20:30	0°♂			-12768 Jan 20 j 01:31	0°♂	
	-12773 Apr 23 j 17:18	0°♂		max. Earth dist.	-12768 Jan 28 j 13:34	8°♂03'32	1.01962 AU
	-12773 May 23 j 23:26	0°♂			-12768 Feb 20 j 16:28	0°♂	
	-12773 Jun 22 j 16:20	0°♂			-12768 Mar 23 j 01:23	0°♂	
	-12773 Jul 22 j 00:46	0°♂			-12768 Apr 22 j 22:14	0°♂	
min. Earth dist.	-12773 Jul 29 j 20:52	8°♂02'20	0.98034 AU		-12768 May 23 j 04:26	0°♂	
	-12773 Aug 20 j 07:30	0°♂			-12768 Jun 21 j 21:25	0°♂	
	-12773 Sep 18 j 19:42	0°♂			-12768 Jul 21 j 05:56	0°♂	
	-12773 Oct 18 j 19:15	0°♂		min. Earth dist.	-12768 Jul 28 j 04:55	7°♂08'05	0.98040 AU
	-12773 Nov 18 j 09:17	0°♂			-12768 Aug 19 j 12:42	0°♂	
	-12773 Dec 19 j 13:08	0°♂			-12768 Sep 18 j 00:54	0°♂	
	-12772 Jan 20 j 02:12	0°♂			-12768 Oct 18 j 00:25	0°♂	
max. Earth dist.	-12772 Jan 26 j 07:27	5°♂53'47	1.01963 AU		-12768 Nov 17 j 14:24	0°♂	
	-12772 Feb 20 j 17:09	0°♂			-12768 Dec 18 j 18:12	0°♂	
	-12772 Mar 23 j 02:04	0°♂			-12767 Jan 19 j 07:14	0°♂	
	-12772 Apr 22 j 22:53	0°♂		max. Earth dist.	-12767 Jan 25 j 19:06	6°♂09'34	1.01964 AU
	-12772 May 23 j 05:05	0°♂			-12767 Feb 19 j 22:10	0°♂	
	-12772 Jun 21 j 22:03	0°♂			-12767 Mar 23 j 07:06	0°♂	
	-12772 Jul 21 j 06:34	0°♂			-12767 Apr 23 j 03:58	0°♂	
min. Earth dist.	-12772 Jul 28 j 01:52	6°♂58'26	0.98033 AU		-12767 May 23 j 10:12	0°♂	
	-12772 Aug 19 j 13:20	0°♂			-12767 Jun 22 j 03:13	0°♂	
	-12772 Sep 18 j 01:32	0°♂			-12767 Jul 21 j 11:44	0°♂	
	-12772 Oct 18 j 01:02	0°♂		min. Earth dist.	-12767 Jul 29 j 05:21	7°♂55'45	0.98034 AU
	-12772 Nov 17 j 15:02	0°♂			-12767 Aug 19 j 18:30	0°♂	

Attention, astronomical year style is used: The year -12767 in astronomical counting style is the year 12768 BCE in historical counting style.

	-12767 Sep 18 j 06:40	0°☾					-12762 Jul 21 j 17:07	0°♄			
	-12767 Oct 18 j 06:10	0°♌			min. Earth dist.		-12762 Jul 29 j 18:48	8°♄16'38	0.98033 AU		
	-12767 Nov 17 j 20:10	0°♍					-12762 Aug 19 j 23:50	0°♊			
	-12767 Dec 18 j 23:59	0°♋					-12762 Sep 18 j 11:59	0°☾			
	-12766 Jan 19 j 13:04	0°♎					-12762 Oct 18 j 11:29	0°♌			
max. Earth dist.	-12766 Jan 27 j 10:55	7°♎29'46	1.01962 AU				-12762 Nov 18 j 01:29	0°♍			
	-12766 Feb 20 j 04:03	0°♊					-12762 Dec 19 j 05:19	0°♋			
	-12766 Mar 23 j 13:01	0°♉					-12761 Jan 19 j 18:23	0°♎			
	-12766 Apr 23 j 09:51	0°♈			max. Earth dist.		-12761 Jan 26 j 08:43	6°♎15'15	1.01962 AU		
	-12766 May 23 j 16:02	0°♌					-12761 Feb 20 j 09:21	0°♊			
	-12766 Jun 22 j 09:01	0°♍					-12761 Mar 23 j 18:19	0°♉			
	-12766 Jul 21 j 17:31	0°♄					-12761 Apr 23 j 15:13	0°♈			
min. Earth dist.	-12766 Jul 27 j 14:06	6°♄00'13	0.98036 AU				-12761 May 23 j 21:27	0°♌			
	-12766 Aug 20 j 00:18	0°♊					-12761 Jun 22 j 14:28	0°♍			
	-12766 Sep 18 j 12:31	0°☾					-12761 Jul 21 j 22:58	0°♄			
	-12766 Oct 18 j 12:03	0°♌			min. Earth dist.		-12761 Jul 28 j 11:48	6°♄41'50	0.98033 AU		
	-12766 Nov 18 j 02:05	0°♍					-12761 Aug 20 j 05:44	0°♊			
	-12766 Dec 19 j 05:58	0°♋					-12761 Sep 18 j 17:54	0°☾			
	-12765 Jan 19 j 19:04	0°♎					-12761 Oct 18 j 17:24	0°♌			
max. Earth dist.	-12765 Jan 27 j 16:23	7°♎28'40	1.01968 AU				-12761 Nov 18 j 07:23	0°♍			
	-12765 Feb 20 j 10:04	0°♊					-12761 Dec 19 j 11:12	0°♋			
	-12765 Mar 23 j 19:00	0°♉					-12760 Jan 20 j 00:18	0°♎			
	-12765 Apr 23 j 15:49	0°♈			max. Earth dist.		-12760 Jan 28 j 17:04	8°♎14'40	1.01964 AU		
	-12765 May 23 j 21:58	0°♌					-12760 Feb 20 j 15:17	0°♊			
	-12765 Jun 22 j 14:55	0°♍					-12760 Mar 23 j 00:16	0°♉			
	-12765 Jul 21 j 23:26	0°♄					-12760 Apr 22 j 21:10	0°♈			
min. Earth dist.	-12765 Jul 29 j 15:36	7°♄52'10	0.98040 AU				-12760 May 23 j 03:26	0°♌			
	-12765 Aug 20 j 06:15	0°♊					-12760 Jun 21 j 20:28	0°♍			
	-12765 Sep 18 j 18:29	0°☾					-12760 Jul 21 j 05:00	0°♄			
	-12765 Oct 18 j 18:01	0°♌			min. Earth dist.		-12760 Jul 27 j 23:25	6°♄56'18	0.98039 AU		
	-12765 Nov 18 j 07:59	0°♍					-12760 Aug 19 j 11:46	0°♊			
	-12765 Dec 19 j 11:46	0°♋					-12760 Sep 17 j 23:53	0°☾			
	-12764 Jan 20 j 00:47	0°♎					-12760 Oct 17 j 23:18	0°♌			
max. Earth dist.	-12764 Jan 26 j 08:42	6°♎00'07	1.01963 AU				-12760 Nov 17 j 13:12	0°♍			
	-12764 Feb 20 j 15:44	0°♊					-12760 Dec 18 j 16:58	0°♋			
	-12764 Mar 23 j 00:41	0°♉					-12759 Jan 19 j 06:01	0°♎			
	-12764 Apr 22 j 21:32	0°♈			max. Earth dist.		-12759 Jan 26 j 02:34	6°♎30'05	1.01968 AU		
	-12764 May 23 j 03:44	0°♌					-12759 Feb 19 j 21:02	0°♊			
	-12764 Jun 21 j 20:43	0°♍					-12759 Mar 23 j 06:02	0°♉			
	-12764 Jul 21 j 05:14	0°♄					-12759 Apr 23 j 02:58	0°♈			
min. Earth dist.	-12764 Jul 28 j 06:52	7°♄14'40	0.98035 AU				-12759 May 23 j 09:15	0°♌			
	-12764 Aug 19 j 12:03	0°♊					-12759 Jun 22 j 02:18	0°♍			
	-12764 Sep 18 j 00:16	0°☾					-12759 Jul 21 j 10:50	0°♄			
	-12764 Oct 17 j 23:48	0°♌			min. Earth dist.		-12759 Jul 29 j 12:05	8°♄15'19	0.98035 AU		
	-12764 Nov 17 j 13:46	0°♍					-12759 Aug 19 j 17:36	0°♊			
	-12764 Dec 18 j 17:33	0°♋					-12759 Sep 18 j 05:45	0°☾			
	-12763 Jan 19 j 06:36	0°♎					-12759 Oct 18 j 05:10	0°♌			
max. Earth dist.	-12763 Jan 28 j 01:20	8°♎19'14	1.01963 AU				-12759 Nov 17 j 19:03	0°♍			
	-12763 Feb 19 j 21:36	0°♊					-12759 Dec 18 j 22:47	0°♋			
	-12763 Mar 23 j 06:37	0°♉					-12758 Jan 19 j 11:50	0°♎			
	-12763 Apr 23 j 03:32	0°♈			max. Earth dist.		-12758 Jan 27 j 05:17	7°♎19'21	1.01963 AU		
	-12763 May 23 j 09:45	0°♌					-12758 Feb 20 j 02:52	0°♊			
	-12763 Jun 22 j 02:42	0°♍					-12758 Mar 23 j 11:55	0°♉			
	-12763 Jul 21 j 11:10	0°♄					-12758 Apr 23 j 08:51	0°♈			
min. Earth dist.	-12763 Jul 27 j 08:43	6°♄02'49	0.98034 AU				-12758 May 23 j 15:06	0°♌			
	-12763 Aug 19 j 17:54	0°♊					-12758 Jun 22 j 08:06	0°♍			
	-12763 Sep 18 j 06:04	0°☾					-12758 Jul 21 j 16:36	0°♄			
	-12763 Oct 18 j 05:35	0°♌			min. Earth dist.		-12758 Jul 27 j 17:58	6°♄12'25	0.98035 AU		
	-12763 Nov 17 j 19:36	0°♍					-12758 Aug 19 j 23:23	0°♊			
	-12763 Dec 18 j 23:26	0°♋					-12758 Sep 18 j 11:34	0°☾			
	-12762 Jan 19 j 12:32	0°♎					-12758 Oct 18 j 11:03	0°♌			
max. Earth dist.	-12762 Jan 26 j 21:42	6°♎59'56	1.01970 AU				-12758 Nov 18 j 01:00	0°♍			
	-12762 Feb 20 j 03:34	0°♊					-12758 Dec 19 j 04:47	0°♋			
	-12762 Mar 23 j 12:34	0°♉					-12757 Jan 19 j 17:51	0°♎			
	-12762 Apr 23 j 09:28	0°♈			max. Earth dist.		-12757 Jan 28 j 03:01	7°♎56'46	1.01966 AU		
	-12762 May 23 j 15:42	0°♌					-12757 Feb 20 j 08:51	0°♊			
	-12762 Jun 22 j 08:39	0°♍					-12757 Mar 23 j 17:52	0°♉			

Attention, astronomical year style is used: The year -12757 in astronomical counting style is the year 12758 BCE in historical counting style.

	-12757 Apr 23 j 14:47	0°≈		max. Earth dist.	-12752 Jan 28 j 20:39	8°ℳ26'28	1.01963 AU
	-12757 May 23 j 21:02	0°✕			-12752 Feb 20 j 13:53	0°✕	
	-12757 Jun 22 j 14:03	0°Υ			-12752 Mar 22 j 22:55	0°☾	
	-12757 Jul 21 j 22:33	0°♁			-12752 Apr 22 j 19:51	0°≈	
min. Earth dist.	-12757 Jul 29 j 09:00	7°♁37'31	0.98039 AU		-12752 May 23 j 02:07	0°✕	
	-12757 Aug 20 j 05:20	0°Ⅱ			-12752 Jun 21 j 19:09	0°Υ	
	-12757 Sep 18 j 17:31	0°☾			-12752 Jul 21 j 03:41	0°♁	
	-12757 Oct 18 j 17:00	0°♁		min. Earth dist.	-12752 Jul 27 j 13:11	6°♁33'27	0.98038 AU
	-12757 Nov 18 j 06:55	0°♐			-12752 Aug 19 j 10:26	0°Ⅱ	
	-12757 Dec 19 j 10:38	0°♁			-12752 Sep 17 j 22:34	0°☾	
	-12756 Jan 19 j 23:36	0°ℳ			-12752 Oct 17 j 21:58	0°♁	
max. Earth dist.	-12756 Jan 26 j 13:09	6°ℳ13'33	1.01961 AU		-12752 Nov 17 j 11:51	0°♐	
	-12756 Feb 20 j 14:31	0°✕			-12752 Dec 18 j 15:33	0°♁	
	-12756 Mar 22 j 23:29	0°☾			-12751 Jan 19 j 04:35	0°ℳ	
	-12756 Apr 22 j 20:25	0°≈		max. Earth dist.	-12751 Jan 26 j 11:03	6°ℳ53'37	1.01969 AU
	-12756 May 23 j 02:44	0°✕			-12751 Feb 19 j 19:36	0°✕	
	-12756 Jun 21 j 19:49	0°Υ			-12751 Mar 23 j 04:40	0°☾	
	-12756 Jul 21 j 04:22	0°♁			-12751 Apr 23 j 01:39	0°≈	
min. Earth dist.	-12756 Jul 28 j 17:02	7°♁43'00	0.98034 AU		-12751 May 23 j 07:58	0°✕	
	-12756 Aug 19 j 11:08	0°Ⅱ			-12751 Jun 22 j 01:01	0°Υ	
	-12756 Sep 17 j 23:17	0°☾			-12751 Jul 21 j 09:31	0°♁	
	-12756 Oct 17 j 22:44	0°♁		min. Earth dist.	-12751 Jul 29 j 14:53	8°♁26'00	0.98033 AU
	-12756 Nov 17 j 12:39	0°♐			-12751 Aug 19 j 16:14	0°Ⅱ	
	-12756 Dec 18 j 16:22	0°♁			-12751 Sep 18 j 04:20	0°☾	
	-12755 Jan 19 j 05:22	0°ℳ			-12751 Oct 18 j 03:43	0°♁	
max. Earth dist.	-12755 Jan 27 j 21:41	8°ℳ13'32	1.01960 AU		-12751 Nov 17 j 17:35	0°♐	
	-12755 Feb 19 j 20:20	0°✕			-12751 Dec 18 j 21:18	0°♁	
	-12755 Mar 23 j 05:21	0°☾			-12750 Jan 19 j 10:20	0°ℳ	
	-12755 Apr 23 j 02:18	0°≈		max. Earth dist.	-12750 Jan 26 j 19:23	6°ℳ59'31	1.01964 AU
	-12755 May 23 j 08:37	0°✕			-12750 Feb 20 j 01:22	0°✕	
	-12755 Jun 22 j 01:40	0°Υ			-12750 Mar 23 j 10:27	0°☾	
	-12755 Jul 21 j 10:11	0°♁			-12750 Apr 23 j 07:27	0°≈	
min. Earth dist.	-12755 Jul 27 j 12:11	6°♁14'07	0.98035 AU		-12750 May 23 j 13:46	0°✕	
	-12755 Aug 19 j 16:55	0°Ⅱ			-12750 Jun 22 j 06:48	0°Υ	
	-12755 Sep 18 j 05:02	0°☾			-12750 Jul 21 j 15:18	0°♁	
	-12755 Oct 18 j 04:28	0°♁		min. Earth dist.	-12750 Jul 28 j 00:49	6°♁33'21	0.98031 AU
	-12755 Nov 17 j 18:24	0°♐			-12750 Aug 19 j 22:00	0°Ⅱ	
	-12755 Dec 18 j 22:12	0°♁			-12750 Sep 18 j 10:06	0°☾	
	-12754 Jan 19 j 11:17	0°ℳ			-12750 Oct 18 j 09:31	0°♁	
max. Earth dist.	-12754 Jan 27 j 05:04	7°ℳ20'22	1.01969 AU		-12750 Nov 17 j 23:26	0°♐	
	-12754 Feb 20 j 02:17	0°✕			-12750 Dec 19 j 03:12	0°♁	
	-12754 Mar 23 j 11:17	0°☾			-12749 Jan 19 j 16:16	0°ℳ	
	-12754 Apr 23 j 08:12	0°≈		max. Earth dist.	-12749 Jan 28 j 08:47	8°ℳ14'06	1.01967 AU
	-12754 May 23 j 14:29	0°✕			-12749 Feb 20 j 07:18	0°✕	
	-12754 Jun 22 j 07:31	0°Υ			-12749 Mar 23 j 16:22	0°☾	
	-12754 Jul 21 j 16:03	0°♁			-12749 Apr 23 j 13:21	0°≈	
min. Earth dist.	-12754 Jul 29 j 20:27	8°♁23'34	0.98037 AU		-12749 May 23 j 19:42	0°✕	
	-12754 Aug 19 j 22:49	0°Ⅱ			-12749 Jun 22 j 12:46	0°Υ	
	-12754 Sep 18 j 10:57	0°☾			-12749 Jul 21 j 21:18	0°♁	
	-12754 Oct 18 j 10:23	0°♁		min. Earth dist.	-12749 Jul 29 j 04:10	7°♁28'20	0.98038 AU
	-12754 Nov 18 j 00:17	0°♐			-12749 Aug 20 j 04:02	0°Ⅱ	
	-12754 Dec 19 j 04:02	0°♁			-12749 Sep 18 j 16:08	0°☾	
	-12753 Jan 19 j 17:04	0°ℳ			-12749 Oct 18 j 15:30	0°♁	
max. Earth dist.	-12753 Jan 26 j 05:03	6°ℳ09'42	1.01963 AU		-12749 Nov 18 j 05:20	0°♐	
	-12753 Feb 20 j 08:02	0°✕			-12749 Dec 19 j 09:00	0°♁	
	-12753 Mar 23 j 17:01	0°☾			-12748 Jan 19 j 21:59	0°ℳ	
	-12753 Apr 23 j 13:54	0°≈		max. Earth dist.	-12748 Jan 26 j 17:32	6°ℳ27'44	1.01965 AU
	-12753 May 23 j 20:10	0°✕			-12748 Feb 20 j 12:57	0°✕	
	-12753 Jun 22 j 13:11	0°Υ			-12748 Mar 22 j 21:59	0°☾	
	-12753 Jul 21 j 21:44	0°♁			-12748 Apr 22 j 18:59	0°≈	
min. Earth dist.	-12753 Jul 28 j 18:38	7°♁02'30	0.98035 AU		-12748 May 23 j 01:22	0°✕	
	-12753 Aug 20 j 04:32	0°Ⅱ			-12748 Jun 21 j 18:30	0°Υ	
	-12753 Sep 18 j 16:43	0°☾			-12748 Jul 21 j 03:06	0°♁	
	-12753 Oct 18 j 16:11	0°♁		min. Earth dist.	-12748 Jul 29 j 02:21	8°♁10'09	0.98035 AU
	-12753 Nov 18 j 06:06	0°♐			-12748 Aug 19 j 09:53	0°Ⅱ	
	-12753 Dec 19 j 09:50	0°♁			-12748 Sep 17 j 21:58	0°☾	
	-12752 Jan 19 j 22:53	0°ℳ			-12748 Oct 17 j 21:18	0°♁	

Attention, astronomical year style is used: The year -12748 in astronomical counting style is the year 12749 BCE in historical counting style.

	-12748 Nov 17 j 11:06	0°♎				-12743 Aug 19 j 15:16	0°♊			
	-12748 Dec 18 j 14:44	0°♋				-12743 Sep 18 j 03:19	0°♌			
	-12747 Jan 19 j 03:44	0°♍				-12743 Oct 18 j 02:39	0°♎			
max. Earth dist.	-12747 Jan 27 j 16:40	8°♍05'31	1.01961 AU			-12743 Nov 17 j 16:28	0°♏			
	-12747 Feb 19 j 18:45	0°♐				-12743 Dec 18 j 20:08	0°♐			
	-12747 Mar 23 j 03:50	0°♑				-12742 Jan 19 j 09:09	0°♑			
	-12747 Apr 23 j 00:52	0°♒			max. Earth dist.	-12742 Jan 26 j 09:40	6°♑39'20	1.01963 AU		
	-12747 May 23 j 07:15	0°♓				-12742 Feb 20 j 00:10	0°♒			
	-12747 Jun 22 j 00:21	0°♈				-12742 Mar 23 j 09:14	0°♓			
	-12747 Jul 21 j 08:55	0°♉				-12742 Apr 23 j 06:15	0°♈			
min. Earth dist.	-12747 Jul 27 j 14:55	6°♉24'20	0.98036 AU			-12742 May 23 j 12:36	0°♊			
	-12747 Aug 19 j 15:40	0°♊				-12742 Jun 22 j 05:42	0°♈			
	-12747 Sep 18 j 03:46	0°♌				-12742 Jul 21 j 14:15	0°♉			
	-12747 Oct 18 j 03:07	0°♍			min. Earth dist.	-12742 Jul 28 j 08:04	6°♉54'35	0.98034 AU		
	-12747 Nov 17 j 16:57	0°♎				-12742 Aug 19 j 21:01	0°♊			
	-12747 Dec 18 j 20:39	0°♋				-12742 Sep 18 j 09:07	0°♌			
	-12746 Jan 19 j 09:41	0°♍				-12742 Oct 18 j 08:30	0°♎			
max. Earth dist.	-12746 Jan 27 j 16:08	7°♍50'20	1.01969 AU			-12742 Nov 17 j 22:21	0°♏			
	-12746 Feb 20 j 00:44	0°♐				-12742 Dec 19 j 02:04	0°♐			
	-12746 Mar 23 j 09:50	0°♑				-12741 Jan 19 j 15:08	0°♑			
	-12746 Apr 23 j 06:51	0°♒			max. Earth dist.	-12741 Jan 28 j 13:19	8°♑27'27	1.01966 AU		
	-12746 May 23 j 13:12	0°♓				-12741 Feb 20 j 06:11	0°♒			
	-12746 Jun 22 j 06:17	0°♈				-12741 Mar 23 j 15:16	0°♓			
	-12746 Jul 21 j 14:50	0°♉				-12741 Apr 23 j 12:16	0°♈			
min. Earth dist.	-12746 Jul 29 j 16:52	8°♉17'30	0.98038 AU			-12741 May 23 j 18:37	0°♊			
	-12746 Aug 19 j 21:36	0°♊				-12741 Jun 22 j 11:42	0°♈			
	-12746 Sep 18 j 09:43	0°♌				-12741 Jul 21 j 20:15	0°♉			
	-12746 Oct 18 j 09:07	0°♍			min. Earth dist.	-12741 Jul 28 j 16:42	7°♉01'32	0.98039 AU		
	-12746 Nov 17 j 22:57	0°♎				-12741 Aug 20 j 03:01	0°♊			
	-12746 Dec 19 j 02:37	0°♋				-12741 Sep 18 j 15:08	0°♌			
	-12745 Jan 19 j 15:34	0°♍				-12741 Oct 18 j 14:29	0°♎			
max. Earth dist.	-12745 Jan 26 j 08:04	6°♍20'27	1.01962 AU			-12741 Nov 18 j 04:17	0°♏			
	-12745 Feb 20 j 06:32	0°♐				-12741 Dec 19 j 07:55	0°♐			
	-12745 Mar 23 j 15:34	0°♑				-12740 Jan 19 j 20:53	0°♑			
	-12745 Apr 23 j 12:34	0°♒			max. Earth dist.	-12740 Jan 27 j 00:04	6°♑45'49	1.01966 AU		
	-12745 May 23 j 18:56	0°♓				-12740 Feb 20 j 11:53	0°♒			
	-12745 Jun 22 j 12:02	0°♈				-12740 Mar 22 j 20:58	0°♓			
	-12745 Jul 21 j 20:36	0°♉				-12740 Apr 22 j 18:00	0°♈			
min. Earth dist.	-12745 Jul 29 j 03:02	7°♉26'58	0.98035 AU			-12740 May 23 j 00:23	0°♊			
	-12745 Aug 20 j 03:23	0°♊				-12740 Jun 21 j 17:30	0°♈			
	-12745 Sep 18 j 15:32	0°♌				-12740 Jul 21 j 02:04	0°♉			
	-12745 Oct 18 j 14:58	0°♍			min. Earth dist.	-12740 Jul 29 j 05:55	8°♉22'01	0.98034 AU		
	-12745 Nov 18 j 04:49	0°♎				-12740 Aug 19 j 08:49	0°♊			
	-12745 Dec 19 j 08:30	0°♋				-12740 Sep 17 j 20:54	0°♌			
	-12744 Jan 19 j 21:29	0°♍				-12740 Oct 17 j 20:15	0°♎			
max. Earth dist.	-12744 Jan 28 j 22:01	8°♍33'02	1.01960 AU			-12740 Nov 17 j 10:01	0°♏			
	-12744 Feb 20 j 12:27	0°♐				-12740 Dec 18 j 13:38	0°♐			
	-12744 Mar 22 j 21:30	0°♑				-12739 Jan 19 j 02:37	0°♑			
	-12744 Apr 22 j 18:31	0°♒			max. Earth dist.	-12739 Jan 27 j 07:09	7°♑45'38	1.01962 AU		
	-12744 May 23 j 00:55	0°♓				-12739 Feb 19 j 17:38	0°♒			
	-12744 Jun 21 j 18:03	0°♈				-12739 Mar 23 j 02:47	0°♓			
	-12744 Jul 21 j 02:37	0°♉				-12739 Apr 22 j 23:54	0°♈			
min. Earth dist.	-12744 Jul 27 j 12:00	6°♉33'06	0.98037 AU			-12739 May 23 j 06:18	0°♊			
	-12744 Aug 19 j 09:22	0°♊				-12739 Jun 21 j 23:24	0°♈			
	-12744 Sep 17 j 21:26	0°♌				-12739 Jul 21 j 07:55	0°♉			
	-12744 Oct 17 j 20:48	0°♍			min. Earth dist.	-12739 Jul 27 j 18:06	6°♉35'04	0.98030 AU		
	-12744 Nov 17 j 10:38	0°♎				-12739 Aug 19 j 14:36	0°♊			
	-12744 Dec 18 j 14:19	0°♋				-12739 Sep 18 j 02:38	0°♌			
	-12743 Jan 19 j 03:18	0°♍				-12739 Oct 18 j 01:58	0°♎			
max. Earth dist.	-12743 Jan 26 j 18:35	7°♍14'28	1.01967 AU			-12739 Nov 17 j 15:46	0°♏			
	-12743 Feb 19 j 18:18	0°♐				-12739 Dec 18 j 19:28	0°♐			
	-12743 Mar 23 j 03:22	0°♑				-12738 Jan 19 j 08:31	0°♑			
	-12743 Apr 23 j 00:24	0°♒			max. Earth dist.	-12738 Jan 27 j 23:24	8°♑10'16	1.01970 AU		
	-12743 May 23 j 06:48	0°♓				-12738 Feb 19 j 23:35	0°♒			
	-12743 Jun 21 j 23:57	0°♈				-12738 Mar 23 j 08:45	0°♓			
	-12743 Jul 21 j 08:31	0°♉				-12738 Apr 23 j 05:51	0°♈			
min. Earth dist.	-12743 Jul 29 j 19:47	8°♉41'08	0.98036 AU			-12738 May 23 j 12:16	0°♊			

Attention, astronomical year style is used: The year -12738 in astronomical counting style is the year 12739 BCE in historical counting style.

	-12738 Jun 22 j 05:23	0°Υ			-12733 Mar 23 j 13:44	0°Ξ		
	-12738 Jul 21 j 13:54	0°Ϡ			-12733 Apr 23 j 10:51	0°≈		
min. Earth dist.	-12738 Jul 29 j 12:49	8°Ϡ09'32	0.98034 AU		-12733 May 23 j 17:19	0°Ϡ		
	-12738 Aug 19 j 20:35	0°Π			-12733 Jun 22 j 10:29	0°Υ		
	-12738 Sep 18 j 08:36	0°Ϡ			-12733 Jul 21 j 19:04	0°Ϡ		
	-12738 Oct 18 j 07:54	0°Ω		min. Earth dist.	-12733 Jul 28 j 11:50	6°Ϡ52'03	0.98040 AU	
	-12738 Nov 17 j 21:42	0°Ϡ			-12733 Aug 20 j 01:49	0°Π		
	-12738 Dec 19 j 01:21	0°Ϡ			-12733 Sep 18 j 13:54	0°Ϡ		
	-12737 Jan 19 j 14:20	0°Π			-12733 Oct 18 j 13:13	0°Ω		
max. Earth dist.	-12737 Jan 26 j 09:59	6°Π27'57	1.01966 AU		-12733 Nov 18 j 02:56	0°Ϡ		
	-12737 Feb 20 j 05:20	0°Ϡ			-12733 Dec 19 j 06:29	0°Ϡ		
	-12737 Mar 23 j 14:25	0°Ξ			-12732 Jan 19 j 19:22	0°Π		
	-12737 Apr 23 j 11:29	0°≈		max. Earth dist.	-12732 Jan 27 j 08:17	7°Π08'56	1.01962 AU	
	-12737 May 23 j 17:55	0°Ϡ			-12732 Feb 20 j 10:19	0°Ϡ		
	-12737 Jun 22 j 11:05	0°Υ			-12732 Mar 22 j 19:24	0°Ξ		
	-12737 Jul 21 j 19:40	0°Ϡ			-12732 Apr 22 j 16:30	0°≈		
min. Earth dist.	-12737 Jul 29 j 13:58	7°Ϡ57'24	0.98033 AU		-12732 May 22 j 23:01	0°Ϡ		
	-12737 Aug 20 j 02:25	0°Π			-12732 Jun 21 j 16:15	0°Υ		
	-12737 Sep 18 j 14:27	0°Ϡ			-12732 Jul 21 j 00:53	0°Ϡ		
	-12737 Oct 18 j 13:45	0°Ω		min. Earth dist.	-12732 Jul 29 j 13:37	8°Ϡ44'47	0.98037 AU	
	-12737 Nov 18 j 03:30	0°Ϡ			-12732 Aug 19 j 07:39	0°Π		
	-12737 Dec 19 j 07:08	0°Ϡ			-12732 Sep 17 j 19:42	0°Ϡ		
	-12736 Jan 19 j 20:07	0°Π			-12732 Oct 17 j 18:58	0°Ω		
max. Earth dist.	-12736 Jan 28 j 19:56	8°Π31'17	1.01962 AU		-12732 Nov 17 j 08:40	0°Ϡ		
	-12736 Feb 20 j 11:08	0°Ϡ			-12732 Dec 18 j 12:13	0°Ϡ		
	-12736 Mar 22 j 20:15	0°Ξ			-12731 Jan 19 j 01:07	0°Π		
	-12736 Apr 22 j 17:20	0°≈		max. Earth dist.	-12731 Jan 26 j 19:26	7°Π21'31	1.01958 AU	
	-12736 May 22 j 23:49	0°Ϡ			-12731 Feb 19 j 16:05	0°Ϡ		
	-12736 Jun 21 j 17:01	0°Υ			-12731 Mar 23 j 01:13	0°Ξ		
	-12736 Jul 21 j 01:37	0°Ϡ			-12731 Apr 22 j 22:20	0°≈		
min. Earth dist.	-12736 Jul 27 j 14:11	6°Ϡ41'11	0.98037 AU		-12731 May 23 j 04:49	0°Ϡ		
	-12736 Aug 19 j 08:21	0°Π			-12731 Jun 21 j 22:02	0°Υ		
	-12736 Sep 17 j 20:21	0°Ϡ			-12731 Jul 21 j 06:38	0°Ϡ		
	-12736 Oct 17 j 19:35	0°Ω		min. Earth dist.	-12731 Jul 28 j 01:10	6°Ϡ56'26	0.98034 AU	
	-12736 Nov 17 j 09:16	0°Ϡ			-12731 Aug 19 j 13:22	0°Π		
	-12736 Dec 18 j 12:52	0°Ϡ			-12731 Sep 18 j 01:23	0°Ϡ		
	-12735 Jan 19 j 01:51	0°Π			-12731 Oct 18 j 00:39	0°Ω		
max. Earth dist.	-12735 Jan 27 j 05:41	7°Π44'12	1.01969 AU		-12731 Nov 17 j 14:24	0°Ϡ		
	-12735 Feb 19 j 16:54	0°Ϡ			-12731 Dec 18 j 18:02	0°Ϡ		
	-12735 Mar 23 j 02:04	0°Ξ			-12730 Jan 19 j 07:03	0°Π		
	-12735 Apr 22 j 23:11	0°≈		max. Earth dist.	-12730 Jan 28 j 04:35	8°Π25'58	1.01967 AU	
	-12735 May 23 j 05:39	0°Ϡ			-12730 Feb 19 j 22:06	0°Ϡ		
	-12735 Jun 21 j 22:51	0°Υ			-12730 Mar 23 j 07:14	0°Ξ		
	-12735 Jul 21 j 07:28	0°Ϡ			-12730 Apr 23 j 04:20	0°≈		
min. Earth dist.	-12735 Jul 29 j 21:24	8°Ϡ48'01	0.98038 AU		-12730 May 23 j 10:47	0°Ϡ		
	-12735 Aug 19 j 14:13	0°Π			-12730 Jun 22 j 03:57	0°Υ		
	-12735 Sep 18 j 02:14	0°Ϡ			-12730 Jul 21 j 12:33	0°Ϡ		
	-12735 Oct 18 j 01:28	0°Ω		min. Earth dist.	-12730 Jul 29 j 02:22	7°Ϡ46'06	0.98040 AU	
	-12735 Nov 17 j 15:09	0°Ϡ			-12730 Aug 19 j 19:18	0°Π		
	-12735 Dec 18 j 18:42	0°Ϡ			-12730 Sep 18 j 07:21	0°Ϡ		
	-12734 Jan 19 j 07:39	0°Π			-12730 Oct 18 j 06:38	0°Ω		
max. Earth dist.	-12734 Jan 26 j 10:16	6°Π44'24	1.01964 AU		-12730 Nov 17 j 20:22	0°Ϡ		
	-12734 Feb 19 j 22:40	0°Ϡ			-12730 Dec 18 j 23:58	0°Ϡ		
	-12734 Mar 23 j 07:49	0°Ξ			-12729 Jan 19 j 12:56	0°Π		
	-12734 Apr 23 j 04:56	0°≈		max. Earth dist.	-12729 Jan 26 j 13:58	6°Π40'45	1.01965 AU	
	-12734 May 23 j 11:23	0°Ϡ			-12729 Feb 20 j 03:55	0°Ϡ		
	-12734 Jun 22 j 04:32	0°Υ			-12729 Mar 23 j 13:00	0°Ξ		
	-12734 Jul 21 j 13:07	0°Ϡ			-12729 Apr 23 j 10:04	0°≈		
min. Earth dist.	-12734 Jul 28 j 16:27	7°Ϡ18'59	0.98034 AU		-12729 May 23 j 16:30	0°Ϡ		
	-12734 Aug 19 j 19:53	0°Π			-12729 Jun 22 j 09:40	0°Υ		
	-12734 Sep 18 j 07:57	0°Ϡ			-12729 Jul 21 j 18:17	0°Ϡ		
	-12734 Oct 18 j 07:16	0°Ω		min. Earth dist.	-12729 Jul 29 j 18:13	8°Ϡ11'54	0.98036 AU	
	-12734 Nov 17 j 21:01	0°Ϡ			-12729 Aug 20 j 01:04	0°Π		
	-12734 Dec 19 j 00:37	0°Ϡ			-12729 Sep 18 j 13:09	0°Ϡ		
	-12733 Jan 19 j 13:34	0°Π			-12729 Oct 18 j 12:27	0°Ω		
max. Earth dist.	-12733 Jan 28 j 19:55	8°Π46'49	1.01962 AU		-12729 Nov 18 j 02:10	0°Ϡ		
	-12733 Feb 20 j 04:35	0°Ϡ			-12729 Dec 19 j 05:45	0°Ϡ		

Attention, astronomical year style is used: The year -12728 in astronomical counting style is the year 12729 BCE in historical counting style.

	-12728 Jan 19 j 18:42	0°♌					-12724 Oct 17 j 17:48	0°♏			
max. Earth dist.	-12728 Jan 28 j 13:15	8°♌18'49	1.01961 AU				-12724 Nov 17 j 07:23	0°♐			
	-12728 Feb 20 j 09:44	0°♑					-12724 Dec 18 j 10:52	0°♐			
	-12728 Mar 22 j 18:53	0°♑					-12723 Jan 18 j 23:46	0°♌			
	-12728 Apr 22 j 16:00	0°♒			max. Earth dist.		-12723 Jan 26 j 15:25	7°♌15'15	1.01962 AU		
	-12728 May 22 j 22:28	0°♒					-12723 Feb 19 j 14:48	0°♑			
	-12728 Jun 21 j 15:39	0°♓					-12723 Mar 23 j 00:01	0°♑			
	-12728 Jul 21 j 00:14	0°♓					-12723 Apr 22 j 21:14	0°♒			
min. Earth dist.	-12728 Jul 27 j 12:11	6°♓39'38	0.98034 AU				-12723 May 23 j 03:48	0°♒			
	-12728 Aug 19 j 06:57	0°♑					-12723 Jun 21 j 21:02	0°♓			
	-12728 Sep 17 j 18:57	0°♑					-12723 Jul 21 j 05:40	0°♓			
	-12728 Oct 17 j 18:12	0°♏			min. Earth dist.		-12723 Jul 28 j 08:19	7°♓17'13	0.98033 AU		
	-12728 Nov 17 j 07:54	0°♐					-12723 Aug 19 j 12:24	0°♑			
	-12728 Dec 18 j 11:29	0°♐					-12723 Sep 18 j 00:22	0°♑			
	-12727 Jan 19 j 00:28	0°♌					-12723 Oct 17 j 23:34	0°♏			
max. Earth dist.	-12727 Jan 27 j 13:27	8°♌05'48	1.01970 AU				-12723 Nov 17 j 13:11	0°♐			
	-12727 Feb 19 j 15:33	0°♑					-12723 Dec 18 j 16:43	0°♐			
	-12727 Mar 23 j 00:46	0°♑					-12722 Jan 19 j 05:41	0°♌			
	-12727 Apr 22 j 21:57	0°♒			max. Earth dist.		-12722 Jan 28 j 14:10	8°♌51'51	1.01967 AU		
	-12727 May 23 j 04:27	0°♒					-12722 Feb 19 j 20:47	0°♑			
	-12727 Jun 21 j 21:39	0°♓					-12722 Mar 23 j 06:01	0°♑			
	-12727 Jul 21 j 06:12	0°♓					-12722 Apr 23 j 03:15	0°♒			
min. Earth dist.	-12727 Jul 29 j 16:57	8°♓39'53	0.98034 AU				-12722 May 23 j 09:48	0°♒			
	-12727 Aug 19 j 12:53	0°♑					-12722 Jun 22 j 03:01	0°♓			
	-12727 Sep 18 j 00:51	0°♑					-12722 Jul 21 j 11:38	0°♓			
	-12727 Oct 18 j 00:05	0°♏			min. Earth dist.		-12722 Jul 28 j 17:41	7°♓26'09	0.98039 AU		
	-12727 Nov 17 j 13:46	0°♐					-12722 Aug 19 j 18:22	0°♑			
	-12727 Dec 18 j 17:21	0°♐					-12722 Sep 18 j 06:23	0°♑			
	-12726 Jan 19 j 06:19	0°♌					-12722 Oct 18 j 05:36	0°♏			
max. Earth dist.	-12726 Jan 26 j 07:08	6°♌40'09	1.01967 AU				-12722 Nov 17 j 19:16	0°♐			
	-12726 Feb 19 j 21:22	0°♑					-12722 Dec 18 j 22:46	0°♐			
	-12726 Mar 23 j 06:34	0°♑					-12721 Jan 19 j 11:39	0°♌			
	-12726 Apr 23 j 03:44	0°♒			max. Earth dist.		-12721 Jan 26 j 23:00	7°♌05'12	1.01964 AU		
	-12726 May 23 j 10:15	0°♒					-12721 Feb 20 j 02:38	0°♑			
	-12726 Jun 22 j 03:26	0°♓					-12721 Mar 23 j 11:47	0°♑			
	-12726 Jul 21 j 11:59	0°♓					-12721 Apr 23 j 08:57	0°♒			
min. Earth dist.	-12726 Jul 29 j 01:55	7°♓46'13	0.98029 AU				-12721 May 23 j 15:31	0°♒			
	-12726 Aug 19 j 18:40	0°♑					-12721 Jun 22 j 08:46	0°♓			
	-12726 Sep 18 j 06:39	0°♑					-12721 Jul 21 j 17:25	0°♓			
	-12726 Oct 18 j 05:53	0°♏			min. Earth dist.		-12721 Jul 30 j 02:25	8°♓35'10	0.98036 AU		
	-12726 Nov 17 j 19:35	0°♐					-12721 Aug 20 j 00:11	0°♑			
	-12726 Dec 18 j 23:12	0°♐					-12721 Sep 18 j 12:13	0°♑			
	-12725 Jan 19 j 12:13	0°♌					-12721 Oct 18 j 11:27	0°♏			
max. Earth dist.	-12725 Jan 28 j 18:19	8°♌46'10	1.01965 AU				-12721 Nov 18 j 01:06	0°♐			
	-12725 Feb 20 j 03:17	0°♑					-12721 Dec 19 j 04:36	0°♐			
	-12725 Mar 23 j 12:29	0°♑					-12720 Jan 19 j 17:28	0°♌			
	-12725 Apr 23 j 09:40	0°♒			max. Earth dist.		-12720 Jan 28 j 04:32	8°♌01'11	1.01958 AU		
	-12725 May 23 j 16:12	0°♒					-12720 Feb 20 j 08:26	0°♑			
	-12725 Jun 22 j 09:26	0°♓					-12720 Mar 22 j 17:36	0°♑			
	-12725 Jul 21 j 18:02	0°♓					-12720 Apr 22 j 14:48	0°♒			
min. Earth dist.	-12725 Jul 28 j 11:08	6°♓52'55	0.98036 AU				-12720 May 22 j 21:24	0°♒			
	-12725 Aug 20 j 00:44	0°♑					-12720 Jun 21 j 14:41	0°♓			
	-12725 Sep 18 j 12:42	0°♑					-12720 Jul 20 j 23:20	0°♓			
	-12725 Oct 18 j 11:54	0°♏			min. Earth dist.		-12720 Jul 27 j 19:35	7°♓00'51	0.98035 AU		
	-12725 Nov 18 j 01:32	0°♐					-12720 Aug 19 j 06:03	0°♑			
	-12725 Dec 19 j 05:04	0°♐					-12720 Sep 17 j 18:01	0°♑			
	-12724 Jan 19 j 18:01	0°♌					-12720 Oct 17 j 17:11	0°♏			
max. Earth dist.	-12724 Jan 27 j 16:48	7°♌32'16	1.01967 AU				-12720 Nov 17 j 06:48	0°♐			
	-12724 Feb 20 j 09:02	0°♑					-12720 Dec 18 j 10:20	0°♐			
	-12724 Mar 22 j 18:13	0°♑					-12719 Jan 18 j 23:16	0°♌			
	-12724 Apr 22 j 15:24	0°♒			max. Earth dist.		-12719 Jan 27 j 20:26	8°♌25'12	1.01966 AU		
	-12724 May 22 j 21:59	0°♒					-12719 Feb 19 j 14:19	0°♑			
	-12724 Jun 21 j 15:16	0°♓					-12719 Mar 22 j 23:31	0°♑			
	-12724 Jul 20 j 23:56	0°♓					-12719 Apr 22 j 20:44	0°♒			
min. Earth dist.	-12724 Jul 29 j 19:03	9°♓01'13	0.98037 AU				-12719 May 23 j 03:20	0°♒			
	-12724 Aug 19 j 06:41	0°♑					-12719 Jun 21 j 20:37	0°♓			
	-12724 Sep 17 j 18:39	0°♑					-12719 Jul 21 j 05:16	0°♓			

min. Earth dist.	-12719 Jul 29 j 14:48	8° X 36'42	0.98038 AU	min. Earth dist.	-12714 May 23 j 08:33	0° X	0.98035 AU
	-12719 Aug 19 j 11:59	0° II			-12714 Jun 22 j 01:49	0° Y	
	-12719 Sep 17 j 23:56	0° E			-12714 Jul 21 j 10:25	0° X	
	-12719 Oct 17 j 23:05	0° O			-12714 Jul 28 j 12:37	7° X 16'18	
	-12719 Nov 17 j 12:42	0° M			-12714 Aug 19 j 17:04	0° II	
	-12719 Dec 18 j 16:12	0° E			-12714 Sep 18 j 04:59	0° E	
	-12718 Jan 19 j 05:08	0° M			-12714 Oct 18 j 04:08	0° O	
max. Earth dist.	-12718 Jan 26 j 08:17	6° M 45'44	1.01966 AU	max. Earth dist.	-12714 Nov 17 j 17:44	0° M	1.01967 AU
	-12718 Feb 19 j 20:10	0° X			-12714 Dec 18 j 21:15	0° E	
	-12718 Mar 23 j 05:20	0° Z			-12713 Jan 19 j 10:10	0° M	
	-12718 Apr 23 j 02:30	0° \approx			-12713 Jan 27 j 04:25	7° M 21'32	
	-12718 May 23 j 09:02	0° X			-12713 Feb 20 j 01:11	0° X	
	-12718 Jun 22 j 02:17	0° Y			-12713 Mar 23 j 10:23	0° Z	
	-12718 Jul 21 j 10:55	0° X			-12713 Apr 23 j 07:37	0° \approx	
min. Earth dist.	-12718 Jul 29 j 09:27	8° X 08'16	0.98034 AU	min. Earth dist.	-12713 May 23 j 14:14	0° X	0.98035 AU
	-12718 Aug 19 j 17:40	0° II			-12713 Jun 22 j 07:32	0° Y	
	-12718 Sep 18 j 05:39	0° E			-12713 Jul 21 j 16:12	0° X	
	-12718 Oct 18 j 04:51	0° O			-12713 Jul 30 j 10:04	8° X 57'57	
	-12718 Nov 17 j 18:30	0° M			-12713 Aug 19 j 22:56	0° II	
	-12718 Dec 18 j 22:02	0° E			-12713 Sep 18 j 10:52	0° E	
	-12717 Jan 19 j 10:59	0° M			-12713 Oct 18 j 09:59	0° O	
max. Earth dist.	-12717 Jan 28 j 15:55	8° M 43'25	1.01963 AU	max. Earth dist.	-12713 Nov 17 j 23:33	0° M	1.01961 AU
	-12717 Feb 20 j 02:02	0° X			-12713 Dec 19 j 03:00	0° E	
	-12717 Mar 23 j 11:15	0° Z			-12712 Jan 19 j 15:53	0° M	
	-12717 Apr 23 j 08:26	0° \approx			-12712 Jan 27 j 17:07	7° M 37'53	
	-12717 May 23 j 14:58	0° X			-12712 Feb 20 j 06:55	0° X	
	-12717 Jun 22 j 08:12	0° Y			-12712 Mar 22 j 16:09	0° Z	
	-12717 Jul 21 j 16:50	0° X			-12712 Apr 22 j 13:24	0° \approx	
min. Earth dist.	-12717 Jul 28 j 06:24	6° X 43'47	0.98038 AU	min. Earth dist.	-12712 May 22 j 20:03	0° X	0.98034 AU
	-12717 Aug 19 j 23:35	0° II			-12712 Jun 21 j 13:23	0° Y	
	-12717 Sep 18 j 11:35	0° E			-12712 Jul 20 j 22:04	0° X	
	-12717 Oct 18 j 10:46	0° O			-12712 Jul 28 j 02:09	7° X 20'54	
	-12717 Nov 18 j 00:22	0° M			-12712 Aug 19 j 04:46	0° II	
	-12717 Dec 19 j 03:50	0° E			-12712 Sep 17 j 16:40	0° E	
	-12716 Jan 19 j 16:44	0° M			-12712 Oct 17 j 15:44	0° O	
max. Earth dist.	-12716 Jan 28 j 02:08	7° M 57'24	1.01966 AU	max. Earth dist.	-12712 Nov 17 j 05:14	0° M	1.01969 AU
	-12716 Feb 20 j 07:46	0° X			-12712 Dec 18 j 08:41	0° E	
	-12716 Mar 22 j 16:59	0° Z			-12711 Jan 18 j 21:37	0° M	
	-12716 Apr 22 j 14:12	0° \approx			-12711 Jan 28 j 05:22	8° M 50'11	
	-12716 May 22 j 20:47	0° X			-12711 Feb 19 j 12:44	0° X	
	-12716 Jun 21 j 14:03	0° Y			-12711 Mar 22 j 22:02	0° Z	
	-12716 Jul 20 j 22:42	0° X			-12711 Apr 22 j 19:21	0° \approx	
min. Earth dist.	-12716 Jul 29 j 15:42	8° X 55'51	0.98037 AU	min. Earth dist.	-12711 May 23 j 02:01	0° X	0.98038 AU
	-12716 Aug 19 j 05:25	0° II			-12711 Jun 21 j 19:20	0° Y	
	-12716 Sep 17 j 17:24	0° E			-12711 Jul 21 j 03:59	0° X	
	-12716 Oct 17 j 16:33	0° O			-12711 Jul 29 j 05:36	8° X 16'22	
	-12716 Nov 17 j 06:08	0° M			-12711 Aug 19 j 10:42	0° II	
	-12716 Dec 18 j 09:35	0° E			-12711 Sep 17 j 22:37	0° E	
	-12715 Jan 18 j 22:27	0° M			-12711 Oct 17 j 21:42	0° O	
max. Earth dist.	-12715 Jan 26 j 09:51	7° M 05'12	1.01963 AU	max. Earth dist.	-12711 Nov 17 j 11:12	0° M	1.01968 AU
	-12715 Feb 19 j 13:28	0° X			-12711 Dec 18 j 14:38	0° E	
	-12715 Mar 22 j 22:43	0° Z			-12710 Jan 19 j 03:31	0° M	
	-12715 Apr 22 j 20:00	0° \approx			-12710 Jan 26 j 16:01	7° M 07'55	
	-12715 May 23 j 02:35	0° X			-12710 Feb 19 j 18:35	0° X	
	-12715 Jun 21 j 19:50	0° Y			-12710 Mar 23 j 03:50	0° Z	
	-12715 Jul 21 j 04:25	0° X			-12710 Apr 23 j 01:07	0° \approx	
min. Earth dist.	-12715 Jul 28 j 14:53	7° X 37'20	0.98029 AU	min. Earth dist.	-12710 May 23 j 07:45	0° X	0.98033 AU
	-12715 Aug 19 j 11:05	0° II			-12710 Jun 22 j 01:02	0° Y	
	-12715 Sep 17 j 23:01	0° E			-12710 Jul 21 j 09:41	0° X	
	-12715 Oct 17 j 22:10	0° O			-12710 Jul 29 j 16:36	8° X 29'49	
	-12715 Nov 17 j 11:47	0° M			-12710 Aug 19 j 16:24	0° II	
	-12715 Dec 18 j 15:19	0° E			-12710 Sep 18 j 04:22	0° E	
	-12714 Jan 19 j 04:17	0° M			-12710 Oct 18 j 03:30	0° O	
max. Earth dist.	-12714 Jan 28 j 16:03	8° M 59'36	1.01967 AU	max. Earth dist.	-12710 Nov 17 j 17:04	0° M	1.01961 AU
	-12714 Feb 19 j 19:23	0° X			-12710 Dec 18 j 20:31	0° E	
	-12714 Mar 23 j 04:39	0° Z			-12709 Jan 19 j 09:24	0° M	
	-12714 Apr 23 j 01:56	0° \approx			-12709 Jan 28 j 13:32	8° M 41'34	

Attention, astronomical year style is used: The year -12709 in astronomical counting style is the year 12710 BCE in historical counting style.

	-12709 Feb 20 j 00:26	0°♂					-12705 Dec 19 j 01:51	0°♂			
	-12709 Mar 23 j 09:43	0°♂					-12704 Jan 19 j 14:42	0°♂			
	-12709 Apr 23 j 07:01	0°♂				max. Earth dist.	-12704 Jan 27 j 10:16	7°♂24'31	1.01961 AU		
	-12709 May 23 j 13:41	0°♂					-12704 Feb 20 j 05:44	0°♂			
	-12709 Jun 22 j 07:00	0°♂					-12704 Mar 22 j 15:00	0°♂			
	-12709 Jul 21 j 15:39	0°♂					-12704 Apr 22 j 12:19	0°♂			
min. Earth dist.	-12709 Jul 28 j 10:19	6°♂56'47	0.98036 AU				-12704 May 22 j 18:59	0°♂			
	-12709 Aug 19 j 22:22	0°♂					-12704 Jun 21 j 12:20	0°♂			
	-12709 Sep 18 j 10:18	0°♂					-12704 Jul 20 j 20:59	0°♂			
	-12709 Oct 18 j 09:25	0°♂				min. Earth dist.	-12704 Jul 28 j 06:11	7°♂34'02	0.98031 AU		
	-12709 Nov 17 j 22:57	0°♂					-12704 Aug 19 j 03:40	0°♂			
	-12709 Dec 19 j 02:22	0°♂					-12704 Sep 17 j 15:33	0°♂			
	-12708 Jan 19 j 15:13	0°♂					-12704 Oct 17 j 14:37	0°♂			
max. Earth dist.	-12708 Jan 28 j 11:08	8°♂22'18	1.01964 AU				-12704 Nov 17 j 04:07	0°♂			
	-12708 Feb 20 j 06:14	0°♂					-12704 Dec 18 j 07:32	0°♂			
	-12708 Mar 22 j 15:29	0°♂					-12703 Jan 18 j 20:27	0°♂			
	-12708 Apr 22 j 12:47	0°♂				max. Earth dist.	-12703 Jan 28 j 11:30	9°♂07'26	1.01968 AU		
	-12708 May 22 j 19:30	0°♂					-12703 Feb 19 j 11:34	0°♂			
	-12708 Jun 21 j 12:53	0°♂					-12703 Mar 22 j 20:55	0°♂			
	-12708 Jul 20 j 21:35	0°♂					-12703 Apr 22 j 18:18	0°♂			
min. Earth dist.	-12708 Jul 29 j 17:43	9°♂03'53	0.98039 AU				-12703 May 23 j 01:02	0°♂			
	-12708 Aug 19 j 04:18	0°♂					-12703 Jun 21 j 18:22	0°♂			
	-12708 Sep 17 j 16:13	0°♂					-12703 Jul 21 j 03:00	0°♂			
	-12708 Oct 17 j 15:18	0°♂				min. Earth dist.	-12703 Jul 28 j 18:47	7°♂51'09	0.98035 AU		
	-12708 Nov 17 j 04:48	0°♂					-12703 Aug 19 j 09:39	0°♂			
	-12708 Dec 18 j 08:12	0°♂					-12703 Sep 17 j 21:30	0°♂			
	-12707 Jan 18 j 21:03	0°♂					-12703 Oct 17 j 20:33	0°♂			
max. Earth dist.	-12707 Jan 26 j 06:49	7°♂01'26	1.01962 AU				-12703 Nov 17 j 10:03	0°♂			
	-12707 Feb 19 j 12:03	0°♂					-12703 Dec 18 j 13:29	0°♂			
	-12707 Mar 22 j 21:18	0°♂					-12702 Jan 19 j 02:23	0°♂			
	-12707 Apr 22 j 18:36	0°♂				max. Earth dist.	-12702 Jan 26 j 20:57	7°♂22'16	1.01969 AU		
	-12707 May 23 j 01:17	0°♂					-12702 Feb 19 j 17:27	0°♂			
	-12707 Jun 21 j 18:38	0°♂					-12702 Mar 23 j 02:45	0°♂			
	-12707 Jul 21 j 03:19	0°♂					-12702 Apr 23 j 00:05	0°♂			
min. Earth dist.	-12707 Jul 29 j 01:20	8°♂06'54	0.98033 AU				-12702 May 23 j 06:48	0°♂			
	-12707 Aug 19 j 10:02	0°♂					-12702 Jun 22 j 00:08	0°♂			
	-12707 Sep 17 j 21:56	0°♂					-12702 Jul 21 j 08:47	0°♂			
	-12707 Oct 17 j 21:01	0°♂				min. Earth dist.	-12702 Jul 30 j 01:01	8°♂53'45	0.98031 AU		
	-12707 Nov 17 j 10:33	0°♂					-12702 Aug 19 j 15:27	0°♂			
	-12707 Dec 18 j 14:01	0°♂					-12702 Sep 18 j 03:20	0°♂			
	-12706 Jan 19 j 02:57	0°♂					-12702 Oct 18 j 02:23	0°♂			
max. Earth dist.	-12706 Jan 28 j 16:02	9°♂02'44	1.01965 AU				-12702 Nov 17 j 15:53	0°♂			
	-12706 Feb 19 j 18:02	0°♂					-12702 Dec 18 j 19:19	0°♂			
	-12706 Mar 23 j 03:19	0°♂					-12701 Jan 19 j 08:12	0°♂			
	-12706 Apr 23 j 00:37	0°♂				max. Earth dist.	-12701 Jan 28 j 02:10	8°♂17'28	1.01963 AU		
	-12706 May 23 j 07:17	0°♂					-12701 Feb 19 j 23:16	0°♂			
	-12706 Jun 22 j 00:36	0°♂					-12701 Mar 23 j 08:34	0°♂			
	-12706 Jul 21 j 09:16	0°♂					-12701 Apr 23 j 05:56	0°♂			
min. Earth dist.	-12706 Jul 28 j 07:40	7°♂06'25	0.98038 AU				-12701 May 23 j 12:39	0°♂			
	-12706 Aug 19 j 15:59	0°♂					-12701 Jun 22 j 06:02	0°♂			
	-12706 Sep 18 j 03:55	0°♂					-12701 Jul 21 j 14:44	0°♂			
	-12706 Oct 18 j 03:02	0°♂				min. Earth dist.	-12701 Jul 28 j 16:56	7°♂16'05	0.98034 AU		
	-12706 Nov 17 j 16:34	0°♂					-12701 Aug 19 j 21:26	0°♂			
	-12706 Dec 18 j 20:01	0°♂					-12701 Sep 18 j 09:18	0°♂			
	-12705 Jan 19 j 08:54	0°♂					-12701 Oct 18 j 08:18	0°♂			
max. Earth dist.	-12705 Jan 27 j 13:03	7°♂44'59	1.01967 AU				-12701 Nov 17 j 21:44	0°♂			
	-12705 Feb 19 j 23:57	0°♂					-12701 Dec 19 j 01:06	0°♂			
	-12705 Mar 23 j 09:11	0°♂					-12700 Jan 19 j 13:58	0°♂			
	-12705 Apr 23 j 06:26	0°♂				max. Earth dist.	-12700 Jan 28 j 19:29	8°♂45'00	1.01966 AU		
	-12705 May 23 j 13:04	0°♂					-12700 Feb 20 j 05:01	0°♂			
	-12705 Jun 22 j 06:24	0°♂					-12700 Mar 22 j 14:20	0°♂			
	-12705 Jul 21 j 15:05	0°♂					-12700 Apr 22 j 11:42	0°♂			
min. Earth dist.	-12705 Jul 30 j 10:49	9°♂02'46	0.98038 AU				-12700 May 22 j 18:28	0°♂			
	-12705 Aug 19 j 21:51	0°♂					-12700 Jun 21 j 11:54	0°♂			
	-12705 Sep 18 j 09:49	0°♂					-12700 Jul 20 j 20:39	0°♂			
	-12705 Oct 18 j 08:56	0°♂				min. Earth dist.	-12700 Jul 29 j 14:33	8°♂58'08	0.98040 AU		
	-12705 Nov 17 j 22:27	0°♂					-12700 Aug 19 j 03:23	0°♂			

Attention, astronomical year style is used: The year -12700 in astronomical counting style is the year 12701 BCE in historical counting style.

	-12700 Sep 17 j 15:15	0°☾					-12695 Jul 21 j 01:45	0°♄			
	-12700 Oct 17 j 14:15	0°♌		min. Earth dist.			-12695 Jul 28 j 12:16	7°♄37'33	0.98038 AU		
	-12700 Nov 17 j 03:38	0°♍					-12695 Aug 19 j 08:26	0°♊			
	-12700 Dec 18 j 06:56	0°♋					-12695 Sep 17 j 20:16	0°☾			
	-12699 Jan 18 j 19:45	0°♎					-12695 Oct 17 j 19:16	0°♌			
max. Earth dist.	-12699 Jan 26 j 11:06	7°♎14'40	1.01964 AU				-12695 Nov 17 j 08:42	0°♍			
	-12699 Feb 19 j 10:47	0°♊					-12695 Dec 18 j 12:05	0°♋			
	-12699 Mar 22 j 20:06	0°♋					-12694 Jan 19 j 00:58	0°♎			
	-12699 Apr 22 j 17:29	0°♌		max. Earth dist.			-12694 Jan 27 j 02:33	7°♎38'56	1.01969 AU		
	-12699 May 23 j 00:13	0°♍					-12694 Feb 19 j 16:02	0°♊			
	-12699 Jun 21 j 17:36	0°♎					-12694 Mar 23 j 01:20	0°♋			
	-12699 Jul 21 j 02:18	0°♄					-12694 Apr 22 j 22:40	0°♌			
min. Earth dist.	-12699 Jul 29 j 09:07	8°♄29'29	0.98034 AU				-12694 May 23 j 05:23	0°♍			
	-12699 Aug 19 j 09:01	0°♊					-12694 Jun 21 j 22:45	0°♎			
	-12699 Sep 17 j 20:54	0°☾					-12694 Jul 21 j 07:27	0°♄			
	-12699 Oct 17 j 19:56	0°♌		min. Earth dist.			-12694 Jul 30 j 04:54	9°♄07'11	0.98035 AU		
	-12699 Nov 17 j 09:22	0°♍					-12694 Aug 19 j 14:09	0°♊			
	-12699 Dec 18 j 12:44	0°♋					-12694 Sep 18 j 02:02	0°☾			
	-12698 Jan 19 j 01:35	0°♎					-12694 Oct 18 j 01:04	0°♌			
max. Earth dist.	-12698 Jan 28 j 17:33	9°♎09'34	1.01963 AU				-12694 Nov 17 j 14:30	0°♍			
	-12698 Feb 19 j 16:40	0°♊					-12694 Dec 18 j 17:52	0°♋			
	-12698 Mar 23 j 02:01	0°♋					-12693 Jan 19 j 06:44	0°♎			
	-12698 Apr 22 j 23:25	0°♌		max. Earth dist.			-12693 Jan 27 j 14:12	7°♎52'39	1.01963 AU		
	-12698 May 23 j 06:09	0°♍					-12693 Feb 19 j 21:49	0°♊			
	-12698 Jun 21 j 23:32	0°♎					-12693 Mar 23 j 07:09	0°♋			
	-12698 Jul 21 j 08:12	0°♄					-12693 Apr 23 j 04:31	0°♌			
min. Earth dist.	-12698 Jul 28 j 05:32	7°♄03'39	0.98037 AU				-12693 May 23 j 11:14	0°♍			
	-12698 Aug 19 j 14:54	0°♊					-12693 Jun 22 j 04:37	0°♎			
	-12698 Sep 18 j 02:49	0°☾					-12693 Jul 21 j 13:18	0°♄			
	-12698 Oct 18 j 01:53	0°♌		min. Earth dist.			-12693 Jul 28 j 19:19	7°♄25'50	0.98034 AU		
	-12698 Nov 17 j 15:22	0°♍					-12693 Aug 19 j 20:00	0°♊			
	-12698 Dec 18 j 18:44	0°♋					-12693 Sep 18 j 07:53	0°☾			
	-12697 Jan 19 j 07:32	0°♎					-12693 Oct 18 j 06:53	0°♌			
max. Earth dist.	-12697 Jan 27 j 23:10	8°♎12'11	1.01964 AU				-12693 Nov 17 j 20:17	0°♍			
	-12697 Feb 19 j 22:32	0°♊					-12693 Dec 18 j 23:36	0°♋			
	-12697 Mar 23 j 07:48	0°♋					-12692 Jan 19 j 12:27	0°♎			
	-12697 Apr 23 j 05:09	0°♌		max. Earth dist.			-12692 Jan 29 j 02:47	9°♎05'50	1.01967 AU		
	-12697 May 23 j 11:54	0°♍					-12692 Feb 20 j 03:32	0°♊			
	-12697 Jun 22 j 05:18	0°♎					-12692 Mar 22 j 12:55	0°♋			
	-12697 Jul 21 j 14:01	0°♄					-12692 Apr 22 j 10:22	0°♌			
min. Earth dist.	-12697 Jul 30 j 13:13	9°♄11'42	0.98039 AU				-12692 May 22 j 17:09	0°♍			
	-12697 Aug 19 j 20:46	0°♊					-12692 Jun 21 j 10:35	0°♎			
	-12697 Sep 18 j 08:41	0°☾					-12692 Jul 20 j 19:16	0°♄			
	-12697 Oct 18 j 07:45	0°♌		min. Earth dist.			-12692 Jul 29 j 03:03	8°♄32'10	0.98037 AU		
	-12697 Nov 17 j 21:12	0°♍					-12692 Aug 19 j 01:57	0°♊			
	-12697 Dec 19 j 00:33	0°♋					-12692 Sep 17 j 13:47	0°☾			
	-12696 Jan 19 j 13:20	0°♎					-12692 Oct 17 j 12:46	0°♌			
max. Earth dist.	-12696 Jan 27 j 04:21	7°♎13'50	1.01959 AU				-12692 Nov 17 j 02:09	0°♍			
	-12696 Feb 20 j 04:18	0°♊					-12692 Dec 18 j 05:26	0°♋			
	-12696 Mar 22 j 13:33	0°♋					-12691 Jan 18 j 18:15	0°♎			
	-12696 Apr 22 j 10:55	0°♌		max. Earth dist.			-12691 Jan 26 j 14:56	7°♎27'20	1.01967 AU		
	-12696 May 22 j 17:41	0°♍					-12691 Feb 19 j 09:19	0°♊			
	-12696 Jun 21 j 11:07	0°♎					-12691 Mar 22 j 18:42	0°♋			
	-12696 Jul 20 j 19:50	0°♄					-12691 Apr 22 j 16:10	0°♌			
min. Earth dist.	-12696 Jul 28 j 15:39	8°♄01'16	0.98033 AU				-12691 May 22 j 22:58	0°♍			
	-12696 Aug 19 j 02:31	0°♊					-12691 Jun 21 j 16:22	0°♎			
	-12696 Sep 17 j 14:21	0°☾					-12691 Jul 21 j 01:01	0°♄			
	-12696 Oct 17 j 13:21	0°♌		min. Earth dist.			-12691 Jul 29 j 16:39	8°♄52'11	0.98029 AU		
	-12696 Nov 17 j 02:47	0°♍					-12691 Aug 19 j 07:39	0°♊			
	-12696 Dec 18 j 06:10	0°♋					-12691 Sep 17 j 19:27	0°☾			
	-12695 Jan 18 j 19:02	0°♎					-12691 Oct 17 j 18:25	0°♌			
max. Earth dist.	-12695 Jan 28 j 13:28	9°♎15'26	1.01965 AU				-12691 Nov 17 j 07:49	0°♍			
	-12695 Feb 19 j 10:07	0°♊					-12691 Dec 18 j 11:11	0°♋			
	-12695 Mar 22 j 19:27	0°♋					-12690 Jan 19 j 00:03	0°♎			
	-12695 Apr 22 j 16:51	0°♌		max. Earth dist.			-12690 Jan 28 j 11:00	8°♎57'39	1.01965 AU		
	-12695 May 22 j 23:37	0°♍					-12690 Feb 19 j 15:10	0°♊			
	-12695 Jun 21 j 17:02	0°♎					-12690 Mar 23 j 00:35	0°♋			

Attention, astronomical year style is used: The year -12690 in astronomical counting style is the year 12691 BCE in historical counting style.

	-12690 Apr 22 j 22:03	0°≈		max. Earth dist.	-12685 Jan 27 j 07:41	7°ℓ40'17	1.01960 AU
	-12690 May 23 j 04:53	0°✕			-12685 Feb 19 j 20:30	0°✕	
	-12690 Jun 21 j 22:19	0°Υ			-12685 Mar 23 j 05:51	0°℔	
	-12690 Jul 21 j 07:00	0°℔			-12685 Apr 23 j 03:20	0°≈	
min. Earth dist.	-12690 Jul 28 j 09:40	7°℔17'20	0.98033 AU		-12685 May 23 j 10:10	0°✕	
	-12690 Aug 19 j 13:39	0°ℓ			-12685 Jun 22 j 03:39	0°Υ	
	-12690 Sep 18 j 01:27	0°☾			-12685 Jul 21 j 12:23	0°℔	
	-12690 Oct 18 j 00:24	0°Ω		min. Earth dist.	-12685 Jul 29 j 04:00	7°℔50'25	0.98034 AU
	-12690 Nov 17 j 13:48	0°ℓ			-12685 Aug 19 j 19:06	0°ℓ	
	-12690 Dec 18 j 17:09	0°♁			-12685 Sep 18 j 06:56	0°☾	
	-12689 Jan 19 j 06:00	0°ℓ			-12685 Oct 18 j 05:53	0°Ω	
max. Earth dist.	-12689 Jan 28 j 07:40	8°ℓ35'55	1.01967 AU		-12685 Nov 17 j 19:13	0°ℓ	
	-12689 Feb 19 j 21:04	0°✕			-12685 Dec 18 j 22:29	0°♁	
	-12689 Mar 23 j 06:24	0°℔			-12684 Jan 19 j 11:16	0°ℓ	
	-12689 Apr 23 j 03:51	0°≈		max. Earth dist.	-12684 Jan 29 j 08:19	9°ℓ21'44	1.01962 AU
	-12689 May 23 j 10:40	0°✕			-12684 Feb 20 j 02:18	0°✕	
	-12689 Jun 22 j 04:09	0°Υ			-12684 Mar 22 j 11:40	0°℔	
	-12689 Jul 21 j 12:55	0°℔			-12684 Apr 22 j 09:10	0°≈	
min. Earth dist.	-12689 Jul 30 j 15:08	9°℔19'28	0.98039 AU		-12684 May 22 j 16:04	0°✕	
	-12689 Aug 19 j 19:38	0°ℓ			-12684 Jun 21 j 09:36	0°Υ	
	-12689 Sep 18 j 07:28	0°☾			-12684 Jul 20 j 18:22	0°℔	
	-12689 Oct 18 j 06:24	0°Ω		min. Earth dist.	-12684 Jul 28 j 20:43	8°℔18'11	0.98040 AU
	-12689 Nov 17 j 19:45	0°ℓ			-12684 Aug 19 j 01:05	0°ℓ	
	-12689 Dec 18 j 23:01	0°♁			-12684 Sep 17 j 12:53	0°☾	
	-12688 Jan 19 j 11:49	0°ℓ			-12684 Oct 17 j 11:48	0°Ω	
max. Earth dist.	-12688 Jan 27 j 04:38	7°ℓ18'06	1.01962 AU		-12684 Nov 17 j 01:08	0°ℓ	
	-12688 Feb 20 j 02:51	0°✕			-12684 Dec 18 j 04:23	0°♁	
	-12688 Mar 22 j 12:11	0°℔			-12683 Jan 18 j 17:10	0°ℓ	
	-12688 Apr 22 j 09:38	0°≈		max. Earth dist.	-12683 Jan 26 j 19:06	7°ℓ39'47	1.01965 AU
	-12688 May 22 j 16:29	0°✕			-12683 Feb 19 j 08:12	0°✕	
	-12688 Jun 21 j 09:59	0°Υ			-12683 Mar 22 j 17:33	0°℔	
	-12688 Jul 20 j 18:44	0°℔			-12683 Apr 22 j 15:01	0°≈	
min. Earth dist.	-12688 Jul 29 j 01:00	8°℔28'01	0.98033 AU		-12683 May 22 j 21:51	0°✕	
	-12688 Aug 19 j 01:26	0°ℓ			-12683 Jun 21 j 15:20	0°Υ	
	-12688 Sep 17 j 13:14	0°☾			-12683 Jul 21 j 00:05	0°℔	
	-12688 Oct 17 j 12:08	0°Ω		min. Earth dist.	-12683 Jul 29 j 23:47	9°℔12'52	0.98034 AU
	-12688 Nov 17 j 01:27	0°ℓ			-12683 Aug 19 j 06:47	0°ℓ	
	-12688 Dec 18 j 04:43	0°♁			-12683 Sep 17 j 18:35	0°☾	
	-12687 Jan 18 j 17:33	0°ℓ			-12683 Oct 17 j 17:30	0°Ω	
max. Earth dist.	-12687 Jan 28 j 18:52	9°ℓ31'44	1.01965 AU		-12683 Nov 17 j 06:51	0°ℓ	
	-12687 Feb 19 j 08:41	0°✕			-12683 Dec 18 j 10:09	0°♁	
	-12687 Mar 22 j 18:07	0°℔			-12682 Jan 18 j 22:59	0°ℓ	
	-12687 Apr 22 j 15:38	0°≈		max. Earth dist.	-12682 Jan 28 j 00:20	8°ℓ34'58	1.01963 AU
	-12687 May 22 j 22:29	0°✕			-12682 Feb 19 j 14:05	0°✕	
	-12687 Jun 21 j 15:58	0°Υ			-12682 Mar 22 j 23:28	0°℔	
	-12687 Jul 21 j 00:42	0°℔			-12682 Apr 22 j 20:56	0°≈	
min. Earth dist.	-12687 Jul 28 j 07:43	7°℔28'31	0.98038 AU		-12682 May 23 j 03:46	0°✕	
	-12687 Aug 19 j 07:24	0°ℓ			-12682 Jun 21 j 21:13	0°Υ	
	-12687 Sep 17 j 19:13	0°☾			-12682 Jul 21 j 05:57	0°℔	
	-12687 Oct 17 j 18:08	0°Ω		min. Earth dist.	-12682 Jul 28 j 11:01	7°℔23'26	0.98035 AU
	-12687 Nov 17 j 07:29	0°ℓ			-12682 Aug 19 j 12:39	0°ℓ	
	-12687 Dec 18 j 10:45	0°♁			-12682 Sep 18 j 00:28	0°☾	
	-12686 Jan 18 j 23:34	0°ℓ			-12682 Oct 17 j 23:25	0°Ω	
max. Earth dist.	-12686 Jan 27 j 13:34	8°ℓ08'20	1.01968 AU		-12682 Nov 17 j 12:46	0°ℓ	
	-12686 Feb 19 j 14:39	0°✕			-12682 Dec 18 j 16:04	0°♁	
	-12686 Mar 23 j 00:02	0°℔			-12681 Jan 19 j 04:54	0°ℓ	
	-12686 Apr 22 j 21:30	0°≈		max. Earth dist.	-12681 Jan 28 j 15:36	8°ℓ57'16	1.01967 AU
	-12686 May 23 j 04:19	0°✕			-12681 Feb 19 j 19:58	0°✕	
	-12686 Jun 21 j 21:46	0°Υ			-12681 Mar 23 j 05:20	0°℔	
	-12686 Jul 21 j 06:29	0°℔			-12681 Apr 23 j 02:47	0°≈	
min. Earth dist.	-12686 Jul 30 j 09:08	9°℔20'31	0.98036 AU		-12681 May 23 j 09:36	0°✕	
	-12686 Aug 19 j 13:12	0°ℓ			-12681 Jun 22 j 03:04	0°Υ	
	-12686 Sep 18 j 01:03	0°☾			-12681 Jul 21 j 11:48	0°℔	
	-12686 Oct 18 j 00:02	0°Ω		min. Earth dist.	-12681 Jul 30 j 05:40	8°℔58'01	0.98040 AU
	-12686 Nov 17 j 13:25	0°ℓ			-12681 Aug 19 j 18:32	0°ℓ	
	-12686 Dec 18 j 16:42	0°♁			-12681 Sep 18 j 06:23	0°☾	
	-12685 Jan 19 j 05:28	0°ℓ			-12681 Oct 18 j 05:20	0°Ω	

Attention, astronomical year style is used: The year -12681 in astronomical counting style is the year 12682 BCE in historical counting style.

	-12681 Nov 17 j 18:40	0° \mathbb{M}					-12676 Aug 18 j 23:50	0° \mathbb{I}			
	-12681 Dec 18 j 21:54	0° \mathbb{L}					-12676 Sep 17 j 11:34	0° \mathbb{G}			
	-12680 Jan 19 j 10:41	0° \mathbb{M}					-12676 Oct 17 j 10:22	0° \mathbb{O}			
max. Earth dist.	-12680 Jan 27 j 05:25	7° \mathbb{M} 22'44	1.01964 AU				-12676 Nov 16 j 23:34	0° \mathbb{M}			
	-12680 Feb 20 j 01:43	0° \mathbb{J}					-12676 Dec 18 j 02:43	0° \mathbb{L}			
	-12680 Mar 22 j 11:05	0° \mathbb{Z}					-12675 Jan 18 j 15:28	0° \mathbb{M}			
	-12680 Apr 22 j 08:35	0° \approx				max. Earth dist.	-12675 Jan 27 j 05:40	8° \mathbb{M} 08'51	1.01968 AU		
	-12680 May 22 j 15:26	0° \mathbb{H}					-12675 Feb 19 j 06:34	0° \mathbb{J}			
	-12680 Jun 21 j 08:54	0° \mathbb{Y}					-12675 Mar 22 j 16:01	0° \mathbb{Z}			
	-12680 Jul 20 j 17:37	0° \mathbb{B}					-12675 Apr 22 j 13:36	0° \approx			
min. Earth dist.	-12680 Jul 29 j 07:02	8° \mathbb{B} 46'27	0.98030 AU				-12675 May 22 j 20:32	0° \mathbb{H}			
	-12680 Aug 19 j 00:15	0° \mathbb{I}					-12675 Jun 21 j 14:04	0° \mathbb{Y}			
	-12680 Sep 17 j 12:01	0° \mathbb{G}					-12675 Jul 20 j 22:50	0° \mathbb{B}			
	-12680 Oct 17 j 10:55	0° \mathbb{O}				min. Earth dist.	-12675 Jul 30 j 05:23	9° \mathbb{B} 30'29	0.98034 AU		
	-12680 Nov 17 j 00:13	0° \mathbb{M}					-12675 Aug 19 j 05:31	0° \mathbb{I}			
	-12680 Dec 18 j 03:29	0° \mathbb{L}					-12675 Sep 17 j 17:17	0° \mathbb{G}			
	-12679 Jan 18 j 16:18	0° \mathbb{M}					-12675 Oct 17 j 16:08	0° \mathbb{O}			
max. Earth dist.	-12679 Jan 28 j 16:07	9° \mathbb{M} 28'07	1.01966 AU				-12675 Nov 17 j 05:22	0° \mathbb{M}			
	-12679 Feb 19 j 07:27	0° \mathbb{J}					-12675 Dec 18 j 08:32	0° \mathbb{L}			
	-12679 Mar 22 j 16:55	0° \mathbb{Z}					-12674 Jan 18 j 21:17	0° \mathbb{M}			
	-12679 Apr 22 j 14:29	0° \approx				max. Earth dist.	-12674 Jan 27 j 19:21	8° \mathbb{M} 27'14	1.01962 AU		
	-12679 May 22 j 21:24	0° \mathbb{H}					-12674 Feb 19 j 12:23	0° \mathbb{J}			
	-12679 Jun 21 j 14:53	0° \mathbb{Y}					-12674 Mar 22 j 21:51	0° \mathbb{Z}			
	-12679 Jul 20 j 23:34	0° \mathbb{B}					-12674 Apr 22 j 19:27	0° \approx			
min. Earth dist.	-12679 Jul 28 j 05:57	7° \mathbb{B} 26'54	0.98032 AU				-12674 May 23 j 02:23	0° \mathbb{H}			
	-12679 Aug 19 j 06:10	0° \mathbb{I}					-12674 Jun 21 j 19:55	0° \mathbb{Y}			
	-12679 Sep 17 j 17:54	0° \mathbb{G}					-12674 Jul 21 j 04:40	0° \mathbb{B}			
	-12679 Oct 17 j 16:46	0° \mathbb{O}				min. Earth dist.	-12674 Jul 28 j 17:38	7° \mathbb{B} 43'37	0.98034 AU		
	-12679 Nov 17 j 06:05	0° \mathbb{M}					-12674 Aug 19 j 11:21	0° \mathbb{I}			
	-12679 Dec 18 j 09:23	0° \mathbb{L}					-12674 Sep 17 j 23:08	0° \mathbb{G}			
	-12678 Jan 18 j 22:13	0° \mathbb{M}					-12674 Oct 17 j 22:01	0° \mathbb{O}			
max. Earth dist.	-12678 Jan 27 j 20:25	8° \mathbb{M} 27'42	1.01971 AU				-12674 Nov 17 j 11:17	0° \mathbb{M}			
	-12678 Feb 19 j 13:20	0° \mathbb{J}					-12674 Dec 18 j 14:29	0° \mathbb{L}			
	-12678 Mar 22 j 22:46	0° \mathbb{Z}					-12673 Jan 19 j 03:13	0° \mathbb{M}			
	-12678 Apr 22 j 20:17	0° \approx				max. Earth dist.	-12673 Jan 29 j 00:41	9° \mathbb{M} 22'47	1.01963 AU		
	-12678 May 23 j 03:10	0° \mathbb{H}					-12673 Feb 19 j 18:16	0° \mathbb{J}			
	-12678 Jun 21 j 20:39	0° \mathbb{Y}					-12673 Mar 23 j 03:41	0° \mathbb{Z}			
	-12678 Jul 21 j 05:22	0° \mathbb{B}					-12673 Apr 23 j 01:15	0° \approx			
min. Earth dist.	-12678 Jul 30 j 13:17	9° \mathbb{B} 34'05	0.98033 AU				-12673 May 23 j 08:12	0° \mathbb{H}			
	-12678 Aug 19 j 12:01	0° \mathbb{I}					-12673 Jun 22 j 01:47	0° \mathbb{Y}			
	-12678 Sep 17 j 23:46	0° \mathbb{G}					-12673 Jul 21 j 10:35	0° \mathbb{B}			
	-12678 Oct 17 j 22:38	0° \mathbb{O}				min. Earth dist.	-12673 Jul 30 j 02:12	8° \mathbb{B} 52'12	0.98041 AU		
	-12678 Nov 17 j 11:56	0° \mathbb{M}					-12673 Aug 19 j 17:18	0° \mathbb{I}			
	-12678 Dec 18 j 15:12	0° \mathbb{L}					-12673 Sep 18 j 05:06	0° \mathbb{G}			
	-12677 Jan 19 j 04:00	0° \mathbb{M}					-12673 Oct 18 j 03:59	0° \mathbb{O}			
max. Earth dist.	-12677 Jan 27 j 01:22	7° \mathbb{M} 28'50	1.01965 AU				-12673 Nov 17 j 17:15	0° \mathbb{M}			
	-12677 Feb 19 j 19:05	0° \mathbb{J}					-12673 Dec 18 j 20:25	0° \mathbb{L}			
	-12677 Mar 23 j 04:30	0° \mathbb{Z}					-12672 Jan 19 j 09:07	0° \mathbb{M}			
	-12677 Apr 23 j 02:02	0° \approx				max. Earth dist.	-12672 Jan 27 j 09:02	7° \mathbb{M} 35'01	1.01961 AU		
	-12677 May 23 j 08:56	0° \mathbb{H}					-12672 Feb 20 j 00:07	0° \mathbb{J}			
	-12677 Jun 22 j 02:28	0° \mathbb{Y}					-12672 Mar 22 j 09:29	0° \mathbb{Z}			
	-12677 Jul 21 j 11:14	0° \mathbb{B}					-12672 Apr 22 j 07:02	0° \approx			
min. Earth dist.	-12677 Jul 29 j 13:45	8° \mathbb{B} 18'24	0.98032 AU				-12672 May 22 j 14:01	0° \mathbb{H}			
	-12677 Aug 19 j 17:54	0° \mathbb{I}					-12672 Jun 21 j 07:37	0° \mathbb{Y}			
	-12677 Sep 18 j 05:38	0° \mathbb{G}					-12672 Jul 20 j 16:25	0° \mathbb{B}			
	-12677 Oct 18 j 04:27	0° \mathbb{O}				min. Earth dist.	-12672 Jul 29 j 17:38	9° \mathbb{B} 16'43	0.98034 AU		
	-12677 Nov 17 j 17:40	0° \mathbb{M}					-12672 Aug 18 j 23:05	0° \mathbb{I}			
	-12677 Dec 18 j 20:51	0° \mathbb{L}					-12672 Sep 17 j 10:49	0° \mathbb{G}			
	-12676 Jan 19 j 09:38	0° \mathbb{M}					-12672 Oct 17 j 09:38	0° \mathbb{O}			
max. Earth dist.	-12676 Jan 29 j 14:23	9° \mathbb{M} 39'55	1.01965 AU				-12672 Nov 16 j 22:51	0° \mathbb{M}			
	-12676 Feb 20 j 00:45	0° \mathbb{J}					-12672 Dec 18 j 02:03	0° \mathbb{L}			
	-12676 Mar 22 j 10:13	0° \mathbb{Z}					-12671 Jan 18 j 14:49	0° \mathbb{M}			
	-12676 Apr 22 j 07:48	0° \approx				max. Earth dist.	-12671 Jan 28 j 09:45	9° \mathbb{M} 16'36	1.01962 AU		
	-12676 May 22 j 14:45	0° \mathbb{H}					-12671 Feb 19 j 05:56	0° \mathbb{J}			
	-12676 Jun 21 j 08:20	0° \mathbb{Y}					-12671 Mar 22 j 15:23	0° \mathbb{Z}			
	-12676 Jul 20 j 17:08	0° \mathbb{B}					-12671 Apr 22 j 12:59	0° \approx			
min. Earth dist.	-12676 Jul 28 j 13:22	8° \mathbb{B} 02'25	0.98039 AU				-12671 May 22 j 19:57	0° \mathbb{H}			

Attention, astronomical year style is used: The year -12671 in astronomical counting style is the year 12672 BCE in historical counting style.

	-12671 Jun 21 j 13:32	0°Υ					-12666 Mar 22 j 20:47	0°Ξ			
	-12671 Jul 20 j 22:19	0°Ϡ					-12666 Apr 22 j 18:25	0°≈			
min. Earth dist.	-12671 Jul 28 j 07:25	7°Ϡ33'47	0.98036 AU				-12666 May 23 j 01:25	0°Ϡ			
	-12671 Aug 19 j 05:00	0°Π					-12666 Jun 21 j 19:00	0°Υ			
	-12671 Sep 17 j 16:44	0°Ϡ					-12666 Jul 21 j 03:46	0°Ϡ			
	-12671 Oct 17 j 15:33	0°Ω				min. Earth dist.	-12666 Jul 29 j 02:20	8°Ϡ08'17	0.98030 AU		
	-12671 Nov 17 j 04:48	0°Ϡ					-12666 Aug 19 j 10:24	0°Π			
	-12671 Dec 18 j 08:02	0°Ϡ					-12666 Sep 17 j 22:05	0°Ϡ			
	-12670 Jan 18 j 20:51	0°Ϡ					-12666 Oct 17 j 20:53	0°Ω			
max. Earth dist.	-12670 Jan 28 j 04:48	8°Ϡ50'48	1.01969 AU				-12666 Nov 17 j 10:05	0°Ϡ			
	-12670 Feb 19 j 11:57	0°Ϡ					-12666 Dec 18 j 13:17	0°Ϡ			
	-12670 Mar 22 j 21:23	0°Ξ					-12665 Jan 19 j 02:03	0°Ϡ			
	-12670 Apr 22 j 18:55	0°≈				max. Earth dist.	-12665 Jan 29 j 05:13	9°Ϡ36'12	1.01966 AU		
	-12670 May 23 j 01:50	0°Ϡ					-12665 Feb 19 j 17:09	0°Ϡ			
	-12670 Jun 21 j 19:22	0°Υ					-12665 Mar 23 j 02:37	0°Ξ			
	-12670 Jul 21 j 04:08	0°Ϡ					-12665 Apr 23 j 00:14	0°≈			
min. Earth dist.	-12670 Jul 30 j 09:41	9°Ϡ27'59	0.98039 AU				-12665 May 23 j 07:15	0°Ϡ			
	-12670 Aug 19 j 10:51	0°Π					-12665 Jun 22 j 00:53	0°Υ			
	-12670 Sep 17 j 22:38	0°Ϡ					-12665 Jul 21 j 09:43	0°Ϡ			
	-12670 Oct 17 j 21:30	0°Ω				min. Earth dist.	-12665 Jul 29 j 19:48	8°Ϡ38'01	0.98040 AU		
	-12670 Nov 17 j 10:46	0°Ϡ					-12665 Aug 19 j 16:24	0°Π			
	-12670 Dec 18 j 13:58	0°Ϡ					-12665 Sep 18 j 04:08	0°Ϡ			
	-12669 Jan 19 j 02:44	0°Ϡ					-12665 Oct 18 j 02:54	0°Ω			
max. Earth dist.	-12669 Jan 26 j 23:51	7°Ϡ28'19	1.01964 AU				-12665 Nov 17 j 16:04	0°Ϡ			
	-12669 Feb 19 j 17:48	0°Ϡ					-12665 Dec 18 j 19:12	0°Ϡ			
	-12669 Mar 23 j 03:14	0°Ξ					-12664 Jan 19 j 07:55	0°Ϡ			
	-12669 Apr 23 j 00:47	0°≈				max. Earth dist.	-12664 Jan 27 j 16:07	7°Ϡ54'39	1.01966 AU		
	-12669 May 23 j 07:42	0°Ϡ					-12664 Feb 19 j 22:59	0°Ϡ			
	-12669 Jun 22 j 01:14	0°Υ					-12664 Mar 22 j 08:26	0°Ξ			
	-12669 Jul 21 j 10:00	0°Ϡ					-12664 Apr 22 j 06:03	0°≈			
min. Earth dist.	-12669 Jul 29 j 18:29	8°Ϡ33'42	0.98033 AU				-12664 May 22 j 13:04	0°Ϡ			
	-12669 Aug 19 j 16:42	0°Π					-12664 Jun 21 j 06:41	0°Υ			
	-12669 Sep 18 j 04:28	0°Ϡ					-12664 Jul 20 j 15:31	0°Ϡ			
	-12669 Oct 18 j 03:18	0°Ω				min. Earth dist.	-12664 Jul 30 j 00:39	9°Ϡ37'02	0.98034 AU		
	-12669 Nov 17 j 16:31	0°Ϡ					-12664 Aug 18 j 22:11	0°Π			
	-12669 Dec 18 j 19:40	0°Ϡ					-12664 Sep 17 j 09:53	0°Ϡ			
	-12668 Jan 19 j 08:25	0°Ϡ					-12664 Oct 17 j 08:36	0°Ω			
max. Earth dist.	-12668 Jan 29 j 16:41	9°Ϡ48'11	1.01964 AU				-12664 Nov 16 j 21:43	0°Ϡ			
	-12668 Feb 19 j 23:32	0°Ϡ					-12664 Dec 18 j 00:50	0°Ϡ			
	-12668 Mar 22 j 09:02	0°Ξ					-12663 Jan 18 j 13:34	0°Ϡ			
	-12668 Apr 22 j 06:40	0°≈				max. Earth dist.	-12663 Jan 28 j 06:02	9°Ϡ10'46	1.01963 AU		
	-12668 May 22 j 13:40	0°Ϡ					-12663 Feb 19 j 04:42	0°Ϡ			
	-12668 Jun 21 j 07:14	0°Υ					-12663 Mar 22 j 14:15	0°Ξ			
	-12668 Jul 20 j 16:01	0°Ϡ					-12663 Apr 22 j 11:56	0°≈			
min. Earth dist.	-12668 Jul 28 j 04:39	7°Ϡ42'58	0.98036 AU				-12663 May 22 j 18:58	0°Ϡ			
	-12668 Aug 18 j 22:40	0°Π					-12663 Jun 21 j 12:34	0°Υ			
	-12668 Sep 17 j 10:24	0°Ϡ					-12663 Jul 20 j 21:21	0°Ϡ			
	-12668 Oct 17 j 09:12	0°Ω				min. Earth dist.	-12663 Jul 28 j 09:50	7°Ϡ42'25	0.98035 AU		
	-12668 Nov 16 j 22:25	0°Ϡ					-12663 Aug 19 j 04:01	0°Π			
	-12668 Dec 18 j 01:35	0°Ϡ					-12663 Sep 17 j 15:44	0°Ϡ			
	-12667 Jan 18 j 14:20	0°Ϡ					-12663 Oct 17 j 14:29	0°Ω			
max. Earth dist.	-12667 Jan 27 j 12:06	8°Ϡ26'43	1.01969 AU				-12663 Nov 17 j 03:39	0°Ϡ			
	-12667 Feb 19 j 05:26	0°Ϡ					-12663 Dec 18 j 06:47	0°Ϡ			
	-12667 Mar 22 j 14:56	0°Ξ					-12662 Jan 18 j 19:33	0°Ϡ			
	-12667 Apr 22 j 12:34	0°≈				max. Earth dist.	-12662 Jan 28 j 15:58	9°Ϡ20'20	1.01968 AU		
	-12667 May 22 j 19:33	0°Ϡ					-12662 Feb 19 j 10:40	0°Ϡ			
	-12667 Jun 21 j 13:07	0°Υ					-12662 Mar 22 j 20:10	0°Ξ			
	-12667 Jul 20 j 21:51	0°Ϡ					-12662 Apr 22 j 17:49	0°≈			
min. Earth dist.	-12667 Jul 30 j 09:32	9°Ϡ43'44	0.98031 AU				-12662 May 23 j 00:49	0°Ϡ			
	-12667 Aug 19 j 04:29	0°Π					-12662 Jun 21 j 18:24	0°Υ			
	-12667 Sep 17 j 16:10	0°Ϡ					-12662 Jul 21 j 03:11	0°Ϡ			
	-12667 Oct 17 j 14:58	0°Ω				min. Earth dist.	-12662 Jul 30 j 05:57	9°Ϡ20'51	0.98038 AU		
	-12667 Nov 17 j 04:12	0°Ϡ					-12662 Aug 19 j 09:51	0°Π			
	-12667 Dec 18 j 07:24	0°Ϡ					-12662 Sep 17 j 21:36	0°Ϡ			
	-12666 Jan 18 j 20:11	0°Ϡ					-12662 Oct 17 j 20:24	0°Ω			
max. Earth dist.	-12666 Jan 27 j 05:57	7°Ϡ58'11	1.01965 AU				-12662 Nov 17 j 09:36	0°Ϡ			
	-12666 Feb 19 j 11:17	0°Ϡ					-12662 Dec 18 j 12:43	0°Ϡ			

Attention, astronomical year style is used: The year -12661 in astronomical counting style is the year 12662 BCE in historical counting style.

	-12661 Jan 19 j 01:26	0° \mathbb{M}				-12657 Oct 18 j 01:28	0° Ω		
max. Earth dist.	-12661 Jan 27 j 02:02	7° \mathbb{M} 36'37	1.01963 AU			-12657 Nov 17 j 14:37	0° \mathbb{M}		
	-12661 Feb 19 j 16:28	0° \mathbb{A}				-12657 Dec 18 j 17:42	0° \mathbb{A}		
	-12661 Mar 23 j 01:55	0° \mathbb{B}				-12656 Jan 19 j 06:23	0° \mathbb{M}		
	-12661 Apr 22 j 23:33	0° \approx		max. Earth dist.		-12656 Jan 28 j 00:03	8° \mathbb{M} 17'05	1.01966 AU	
	-12661 May 23 j 06:35	0° \mathbb{H}				-12656 Feb 19 j 21:27	0° \mathbb{A}		
	-12661 Jun 22 j 00:12	0° \mathbb{Y}				-12656 Mar 22 j 06:58	0° \mathbb{B}		
	-12661 Jul 21 j 09:00	0° \mathbb{B}				-12656 Apr 22 j 04:39	0° \approx		
min. Earth dist.	-12661 Jul 30 j 05:04	9° \mathbb{B} 03'27	0.98033 AU			-12656 May 22 j 11:43	0° \mathbb{H}		
	-12661 Aug 19 j 15:40	0° \mathbb{II}				-12656 Jun 21 j 05:21	0° \mathbb{Y}		
	-12661 Sep 18 j 03:23	0° \mathbb{B}				-12656 Jul 20 j 14:08	0° \mathbb{B}		
	-12661 Oct 18 j 02:08	0° Ω		min. Earth dist.		-12656 Jul 30 j 04:39	9° \mathbb{B} 50'56	0.98031 AU	
	-12661 Nov 17 j 15:16	0° \mathbb{M}				-12656 Aug 18 j 20:46	0° \mathbb{II}		
	-12661 Dec 18 j 18:21	0° \mathbb{A}				-12656 Sep 17 j 08:24	0° \mathbb{B}		
max. Earth dist.	-12660 Jan 19 j 07:03	0° \mathbb{M}				-12656 Oct 17 j 07:06	0° Ω		
	-12660 Jan 29 j 15:12	9° \mathbb{M} 47'58	1.01961 AU			-12656 Nov 16 j 20:12	0° \mathbb{M}		
	-12660 Feb 19 j 22:07	0° \mathbb{A}				-12656 Dec 17 j 23:18	0° \mathbb{A}		
	-12660 Mar 22 j 07:37	0° \mathbb{B}				-12655 Jan 18 j 12:01	0° \mathbb{M}		
	-12660 Apr 22 j 05:18	0° \approx		max. Earth dist.		-12655 Jan 27 j 19:30	8° \mathbb{M} 49'32	1.01964 AU	
	-12660 May 22 j 12:24	0° \mathbb{H}				-12655 Feb 19 j 03:09	0° \mathbb{A}		
	-12660 Jun 21 j 06:04	0° \mathbb{Y}				-12655 Mar 22 j 12:44	0° \mathbb{B}		
	-12660 Jul 20 j 14:55	0° \mathbb{B}				-12655 Apr 22 j 10:30	0° \approx		
min. Earth dist.	-12660 Jul 28 j 06:05	7° \mathbb{B} 49'21	0.98038 AU			-12655 May 22 j 17:37	0° \mathbb{H}		
	-12660 Aug 18 j 21:35	0° \mathbb{II}				-12655 Jun 21 j 11:16	0° \mathbb{Y}		
	-12660 Sep 17 j 09:16	0° \mathbb{B}				-12655 Jul 20 j 20:03	0° \mathbb{B}		
	-12660 Oct 17 j 07:59	0° Ω		min. Earth dist.		-12655 Jul 28 j 16:28	8° \mathbb{B} 02'47	0.98030 AU	
	-12660 Nov 16 j 21:06	0° \mathbb{M}				-12655 Aug 19 j 02:38	0° \mathbb{II}		
	-12660 Dec 18 j 00:13	0° \mathbb{A}				-12655 Sep 17 j 14:15	0° \mathbb{B}		
	-12659 Jan 18 j 12:56	0° \mathbb{M}				-12655 Oct 17 j 12:56	0° Ω		
max. Earth dist.	-12659 Jan 27 j 19:27	8° \mathbb{M} 47'29	1.01968 AU			-12655 Nov 17 j 02:03	0° \mathbb{M}		
	-12659 Feb 19 j 04:02	0° \mathbb{A}				-12655 Dec 18 j 05:11	0° \mathbb{A}		
	-12659 Mar 22 j 13:32	0° \mathbb{B}				-12654 Jan 18 j 17:57	0° \mathbb{M}		
	-12659 Apr 22 j 11:11	0° \approx		max. Earth dist.		-12654 Jan 28 j 22:19	9° \mathbb{M} 39'04	1.01969 AU	
	-12659 May 22 j 18:12	0° \mathbb{H}				-12654 Feb 19 j 09:06	0° \mathbb{A}		
	-12659 Jun 21 j 11:50	0° \mathbb{Y}				-12654 Mar 22 j 18:39	0° \mathbb{B}		
	-12659 Jul 20 j 20:38	0° \mathbb{B}				-12654 Apr 22 j 16:23	0° \approx		
min. Earth dist.	-12659 Jul 30 j 12:33	9° \mathbb{B} 54'33	0.98036 AU			-12654 May 22 j 23:28	0° \mathbb{H}		
	-12659 Aug 19 j 03:18	0° \mathbb{II}				-12654 Jun 21 j 17:08	0° \mathbb{Y}		
	-12659 Sep 17 j 14:59	0° \mathbb{B}				-12654 Jul 21 j 01:57	0° \mathbb{B}		
	-12659 Oct 17 j 13:43	0° Ω		min. Earth dist.		-12654 Jul 30 j 03:04	9° \mathbb{B} 16'38	0.98037 AU	
	-12659 Nov 17 j 02:51	0° \mathbb{M}				-12654 Aug 19 j 08:35	0° \mathbb{II}		
	-12659 Dec 18 j 05:59	0° \mathbb{A}				-12654 Sep 17 j 20:14	0° \mathbb{B}		
max. Earth dist.	-12658 Jan 18 j 18:44	0° \mathbb{M}				-12654 Oct 17 j 18:56	0° Ω		
	-12658 Jan 26 j 23:56	7° \mathbb{M} 47'25	1.01965 AU			-12654 Nov 17 j 08:02	0° \mathbb{M}		
	-12658 Feb 19 j 09:50	0° \mathbb{A}				-12654 Dec 18 j 11:08	0° \mathbb{A}		
	-12658 Mar 22 j 19:21	0° \mathbb{B}				-12653 Jan 18 j 23:52	0° \mathbb{M}		
	-12658 Apr 22 j 17:00	0° \approx		max. Earth dist.		-12653 Jan 27 j 05:03	7° \mathbb{M} 47'30	1.01966 AU	
	-12658 May 23 j 00:00	0° \mathbb{H}				-12653 Feb 19 j 14:57	0° \mathbb{A}		
	-12658 Jun 21 j 17:36	0° \mathbb{Y}				-12653 Mar 23 j 00:28	0° \mathbb{B}		
	-12658 Jul 21 j 02:24	0° \mathbb{B}				-12653 Apr 22 j 22:10	0° \approx		
min. Earth dist.	-12658 Jul 29 j 07:47	8° \mathbb{B} 25'42	0.98033 AU			-12653 May 23 j 05:16	0° \mathbb{H}		
	-12658 Aug 19 j 09:05	0° \mathbb{II}				-12653 Jun 21 j 22:57	0° \mathbb{Y}		
	-12658 Sep 17 j 20:47	0° \mathbb{B}				-12653 Jul 21 j 07:49	0° \mathbb{B}		
	-12658 Oct 17 j 19:33	0° Ω		min. Earth dist.		-12653 Jul 30 j 15:23	9° \mathbb{B} 32'56	0.98034 AU	
	-12658 Nov 17 j 08:42	0° \mathbb{M}				-12653 Aug 19 j 14:30	0° \mathbb{II}		
	-12658 Dec 18 j 11:48	0° \mathbb{A}				-12653 Sep 18 j 02:09	0° \mathbb{B}		
	-12657 Jan 19 j 00:32	0° \mathbb{M}				-12653 Oct 18 j 00:47	0° Ω		
max. Earth dist.	-12657 Jan 29 j 10:37	9° \mathbb{M} 52'34	1.01965 AU			-12653 Nov 17 j 13:48	0° \mathbb{M}		
	-12657 Feb 19 j 15:38	0° \mathbb{A}				-12653 Dec 18 j 16:49	0° \mathbb{A}		
	-12657 Mar 23 j 01:09	0° \mathbb{B}				-12652 Jan 19 j 05:29	0° \mathbb{M}		
	-12657 Apr 22 j 22:49	0° \approx		max. Earth dist.		-12652 Jan 29 j 13:12	9° \mathbb{M} 46'54	1.01962 AU	
	-12657 May 23 j 05:51	0° \mathbb{H}				-12652 Feb 19 j 20:37	0° \mathbb{A}		
	-12657 Jun 21 j 23:29	0° \mathbb{Y}				-12652 Mar 22 j 06:12	0° \mathbb{B}		
	-12657 Jul 21 j 08:18	0° \mathbb{B}				-12652 Apr 22 j 03:58	0° \approx		
min. Earth dist.	-12657 Jul 29 j 06:56	8° \mathbb{B} 08'36	0.98039 AU			-12652 May 22 j 11:07	0° \mathbb{H}		
	-12657 Aug 19 j 14:59	0° \mathbb{II}				-12652 Jun 21 j 04:51	0° \mathbb{Y}		
	-12657 Sep 18 j 02:42	0° \mathbb{B}				-12652 Jul 20 j 13:44	0° \mathbb{B}		

Attention, astronomical year style is used: The year -12652 in astronomical counting style is the year 12653 BCE in historical counting style.

min. Earth dist.	-12652 Jul 28 j 06:39	7° ♁ 53'48	0.98038 AU			-12647 May 22 j 16:31	0° ♁		
	-12652 Aug 18 j 20:25	0° ♁				-12647 Jun 21 j 10:13	0° ♁		
	-12652 Sep 17 j 08:04	0° ♁				-12647 Jul 20 j 19:04	0° ♁		
	-12652 Oct 17 j 06:43	0° ♁			min. Earth dist.	-12647 Jul 28 j 22:48	8° ♁ 21'29	0.98032 AU	
	-12652 Nov 16 j 19:45	0° ♁				-12647 Aug 19 j 01:43	0° ♁		
	-12652 Dec 17 j 22:46	0° ♁				-12647 Sep 17 j 13:20	0° ♁		
max. Earth dist.	-12651 Jan 18 j 11:26	0° ♁				-12647 Oct 17 j 11:59	0° ♁		
	-12651 Jan 28 j 06:51	9° ♁ 17'59	1.01968 AU			-12647 Nov 17 j 01:02	0° ♁		
	-12651 Feb 19 j 02:34	0° ♁				-12647 Dec 18 j 04:07	0° ♁		
	-12651 Mar 22 j 12:10	0° ♁			max. Earth dist.	-12646 Jan 18 j 16:52	0° ♁		
	-12651 Apr 22 j 09:55	0° ♁				-12646 Jan 29 j 03:43	9° ♁ 54'23	1.01968 AU	
	-12651 May 22 j 17:02	0° ♁				-12646 Feb 19 j 08:02	0° ♁		
min. Earth dist.	-12651 Jun 21 j 10:42	0° ♁				-12646 Mar 22 j 17:36	0° ♁		
	-12651 Jul 20 j 19:32	0° ♁				-12646 Apr 22 j 15:20	0° ♁		
	-12651 Jul 30 j 11:25	9° ♁ 54'30	0.98037 AU			-12646 May 22 j 22:25	0° ♁		
	-12651 Aug 19 j 02:13	0° ♁				-12646 Jun 21 j 16:05	0° ♁		
	-12651 Sep 17 j 13:53	0° ♁			min. Earth dist.	-12646 Jul 21 j 00:55	0° ♁		
	-12651 Oct 17 j 12:35	0° ♁				-12646 Jul 29 j 15:00	8° ♁ 48'17	0.98039 AU	
max. Earth dist.	-12651 Nov 17 j 01:39	0° ♁				-12646 Aug 19 j 07:35	0° ♁		
	-12651 Dec 18 j 04:42	0° ♁				-12646 Sep 17 j 19:15	0° ♁		
	-12650 Jan 18 j 17:22	0° ♁				-12646 Oct 17 j 17:57	0° ♁		
	-12650 Jan 27 j 00:37	7° ♁ 52'20	1.01964 AU			-12646 Nov 17 j 07:01	0° ♁		
	-12650 Feb 19 j 08:28	0° ♁				-12646 Dec 18 j 10:04	0° ♁		
	-12650 Mar 22 j 18:01	0° ♁			max. Earth dist.	-12645 Jan 18 j 22:46	0° ♁		
min. Earth dist.	-12650 Apr 22 j 15:46	0° ♁				-12645 Jan 27 j 11:08	8° ♁ 04'30	1.01968 AU	
	-12650 May 22 j 22:54	0° ♁				-12645 Feb 19 j 13:54	0° ♁		
	-12650 Jun 21 j 16:34	0° ♁				-12645 Mar 22 j 23:27	0° ♁		
	-12650 Jul 21 j 01:24	0° ♁				-12645 Apr 22 j 21:11	0° ♁		
	-12650 Jul 29 j 16:12	8° ♁ 49'55	0.98032 AU			-12645 May 23 j 04:17	0° ♁		
	-12650 Aug 19 j 08:03	0° ♁				-12645 Jun 21 j 21:58	0° ♁		
max. Earth dist.	-12650 Sep 17 j 19:44	0° ♁				-12645 Jul 21 j 06:47	0° ♁		
	-12650 Oct 17 j 18:28	0° ♁			min. Earth dist.	-12645 Jul 30 j 20:03	9° ♁ 47'39	0.98033 AU	
	-12650 Nov 17 j 07:34	0° ♁				-12645 Aug 19 j 13:27	0° ♁		
	-12650 Dec 18 j 10:36	0° ♁				-12645 Sep 18 j 01:05	0° ♁		
	-12649 Jan 18 j 23:16	0° ♁				-12645 Oct 17 j 23:43	0° ♁		

Attention, astronomical year style is used: The year -12642 in astronomical counting style is the year 12643 BCE in historical counting style.

	-12642 Feb 19 j 07:10	0°♂					-12638 Dec 18 j 08:35	0°♂			
	-12642 Mar 22 j 16:46	0°♂					-12637 Jan 18 j 21:12	0°♂			
	-12642 Apr 22 j 14:35	0°♂				max. Earth dist.	-12637 Jan 27 j 18:39	8°♂26'03	1.01964 AU		
	-12642 May 22 j 21:47	0°♂					-12637 Feb 19 j 12:16	0°♂			
	-12642 Jun 21 j 15:31	0°♂					-12637 Mar 22 j 21:50	0°♂			
	-12642 Jul 21 j 00:22	0°♂					-12637 Apr 22 j 19:38	0°♂			
min. Earth dist.	-12642 Jul 30 j 03:09	9°♂20'41	0.98030 AU				-12637 May 23 j 02:51	0°♂			
	-12642 Aug 19 j 06:59	0°♂					-12637 Jun 21 j 20:39	0°♂			
	-12642 Sep 17 j 18:33	0°♂				min. Earth dist.	-12637 Jul 21 j 05:33	0°♂			
	-12642 Oct 17 j 17:09	0°♂					-12637 Jul 31 j 04:33	10°♂12'37	0.98036 AU		
	-12642 Nov 17 j 06:08	0°♂					-12637 Aug 19 j 12:13	0°♂			
	-12642 Dec 18 j 09:07	0°♂					-12637 Sep 17 j 23:49	0°♂			
	-12641 Jan 18 j 21:46	0°♂					-12637 Oct 17 j 22:23	0°♂			
max. Earth dist.	-12641 Jan 29 j 14:29	10°♂08'13	1.01963 AU				-12637 Nov 17 j 11:19	0°♂			
	-12641 Feb 19 j 12:53	0°♂					-12637 Dec 18 j 14:14	0°♂			
	-12641 Mar 22 j 22:29	0°♂				max. Earth dist.	-12636 Jan 19 j 02:50	0°♂			
	-12641 Apr 22 j 20:17	0°♂					-12636 Jan 28 j 19:17	9°♂10'50	1.01959 AU		
	-12641 May 23 j 03:31	0°♂					-12636 Feb 19 j 17:54	0°♂			
	-12641 Jun 21 j 21:18	0°♂					-12636 Mar 22 j 03:31	0°♂			
	-12641 Jul 21 j 06:13	0°♂					-12636 Apr 22 j 01:22	0°♂			
min. Earth dist.	-12641 Jul 29 j 04:10	8°♂06'41	0.98039 AU				-12636 May 22 j 08:38	0°♂			
	-12641 Aug 19 j 12:54	0°♂					-12636 Jun 21 j 02:28	0°♂			
	-12641 Sep 18 j 00:31	0°♂				min. Earth dist.	-12636 Jul 20 j 11:23	0°♂			
	-12641 Oct 17 j 23:06	0°♂					-12636 Jul 28 j 14:25	8°♂19'39	0.98036 AU		
	-12641 Nov 17 j 12:03	0°♂					-12636 Aug 18 j 18:03	0°♂			
	-12641 Dec 18 j 15:01	0°♂					-12636 Sep 17 j 05:38	0°♂			
	-12640 Jan 19 j 03:38	0°♂					-12636 Oct 17 j 04:11	0°♂			
max. Earth dist.	-12640 Jan 28 j 17:22	9°♂04'35	1.01967 AU				-12636 Nov 16 j 17:07	0°♂			
	-12640 Feb 19 j 18:44	0°♂					-12636 Dec 17 j 20:05	0°♂			
	-12640 Mar 22 j 04:20	0°♂				max. Earth dist.	-12635 Jan 18 j 08:45	0°♂			
	-12640 Apr 22 j 02:09	0°♂					-12635 Jan 28 j 21:32	9°♂59'04	1.01967 AU		
	-12640 May 22 j 09:22	0°♂					-12635 Feb 18 j 23:53	0°♂			
	-12640 Jun 21 j 03:09	0°♂					-12635 Mar 22 j 09:31	0°♂			
	-12640 Jul 20 j 12:03	0°♂					-12635 Apr 22 j 07:21	0°♂			
min. Earth dist.	-12640 Jul 30 j 14:10	10°♂20'44	0.98036 AU				-12635 May 22 j 14:33	0°♂			
	-12640 Aug 18 j 18:42	0°♂					-12635 Jun 21 j 08:20	0°♂			
	-12640 Sep 17 j 06:18	0°♂					-12635 Jul 20 j 17:13	0°♂			
	-12640 Oct 17 j 04:51	0°♂				min. Earth dist.	-12635 Jul 30 j 02:04	9°♂36'27	0.98039 AU		
	-12640 Nov 16 j 17:46	0°♂					-12635 Aug 18 j 23:52	0°♂			
	-12640 Dec 17 j 20:41	0°♂					-12635 Sep 17 j 11:28	0°♂			
	-12639 Jan 18 j 09:19	0°♂					-12635 Oct 17 j 10:04	0°♂			
max. Earth dist.	-12639 Jan 27 j 05:16	8°♂22'22	1.01964 AU				-12635 Nov 16 j 23:01	0°♂			
	-12639 Feb 19 j 00:27	0°♂					-12635 Dec 18 j 02:00	0°♂			
	-12639 Mar 22 j 10:05	0°♂				max. Earth dist.	-12634 Jan 18 j 14:41	0°♂			
	-12639 Apr 22 j 07:57	0°♂					-12634 Jan 27 j 02:13	8°♂02'33	1.01967 AU		
	-12639 May 22 j 15:11	0°♂					-12634 Feb 19 j 05:49	0°♂			
	-12639 Jun 21 j 08:57	0°♂					-12634 Mar 22 j 15:25	0°♂			
	-12639 Jul 20 j 17:49	0°♂					-12634 Apr 22 j 13:14	0°♂			
min. Earth dist.	-12639 Jul 29 j 06:23	8°♂44'08	0.98032 AU				-12634 May 22 j 20:25	0°♂			
	-12639 Aug 19 j 00:27	0°♂					-12634 Jun 21 j 14:10	0°♂			
	-12639 Sep 17 j 12:04	0°♂					-12634 Jul 20 j 23:02	0°♂			
	-12639 Oct 17 j 10:39	0°♂				min. Earth dist.	-12634 Jul 30 j 08:09	9°♂36'58	0.98033 AU		
	-12639 Nov 16 j 23:37	0°♂					-12634 Aug 19 j 05:41	0°♂			
	-12639 Dec 18 j 02:35	0°♂					-12634 Sep 17 j 17:18	0°♂			
	-12638 Jan 18 j 15:14	0°♂					-12634 Oct 17 j 15:55	0°♂			
max. Earth dist.	-12638 Jan 29 j 10:58	10°♂15'27	1.01965 AU				-12634 Nov 17 j 04:52	0°♂			
	-12638 Feb 19 j 06:21	0°♂					-12634 Dec 18 j 07:49	0°♂			
	-12638 Mar 22 j 15:59	0°♂				max. Earth dist.	-12633 Jan 18 j 20:27	0°♂			
	-12638 Apr 22 j 13:49	0°♂					-12633 Jan 29 j 10:39	10°♂02'16	1.01962 AU		
	-12638 May 22 j 21:02	0°♂					-12633 Feb 19 j 11:34	0°♂			
	-12638 Jun 21 j 14:48	0°♂					-12633 Mar 22 j 21:12	0°♂			
	-12638 Jul 20 j 23:40	0°♂					-12633 Apr 22 j 19:03	0°♂			
min. Earth dist.	-12638 Jul 29 j 08:43	8°♂35'18	0.98039 AU				-12633 May 23 j 02:16	0°♂			
	-12638 Aug 19 j 06:19	0°♂					-12633 Jun 21 j 20:03	0°♂			
	-12638 Sep 17 j 17:57	0°♂					-12633 Jul 21 j 04:56	0°♂			
	-12638 Oct 17 j 16:36	0°♂				min. Earth dist.	-12633 Jul 29 j 00:23	8°♂00'16	0.98036 AU		
	-12638 Nov 17 j 05:36	0°♂					-12633 Aug 19 j 11:36	0°♂			

	-12633 Sep 17 j 23:13	0°☾			-12628 Jul 20 j 10:29	0°♂		
	-12633 Oct 17 j 21:49	0°♂		min. Earth dist.	-12628 Jul 28 j 21:17	8°♂39'35	0.98035 AU	
	-12633 Nov 17 j 10:47	0°♐			-12628 Aug 18 j 17:08	0°♐		
	-12633 Dec 18 j 13:44	0°♑			-12628 Sep 17 j 04:41	0°☾		
	-12632 Jan 19 j 02:22	0°♒			-12628 Oct 17 j 03:09	0°♂		
max. Earth dist.	-12632 Jan 29 j 01:22	9°♒26'31	1.01967 AU		-12628 Nov 16 j 15:58	0°♐		
	-12632 Feb 19 j 17:29	0°♑			-12628 Dec 17 j 18:48	0°♑		
	-12632 Mar 22 j 03:09	0°♒			-12627 Jan 18 j 07:25	0°♒		
	-12632 Apr 22 j 01:01	0°♑		max. Earth dist.	-12627 Jan 29 j 08:13	10°♒27'30	1.01967 AU	
	-12632 May 22 j 08:17	0°♑			-12627 Feb 18 j 22:34	0°♑		
	-12632 Jun 21 j 02:03	0°♐			-12627 Mar 22 j 08:18	0°♒		
	-12632 Jul 20 j 10:54	0°♂			-12627 Apr 22 j 06:16	0°♑		
min. Earth dist.	-12632 Jul 30 j 12:33	10°♂19'36	0.98033 AU		-12627 May 22 j 13:35	0°♑		
	-12632 Aug 18 j 17:29	0°♐			-12627 Jun 21 j 07:25	0°♐		
	-12632 Sep 17 j 05:01	0°☾			-12627 Jul 20 j 16:18	0°♂		
	-12632 Oct 17 j 03:33	0°♂		min. Earth dist.	-12627 Jul 29 j 18:47	9°♂20'02	0.98038 AU	
	-12632 Nov 16 j 16:29	0°♐			-12627 Aug 18 j 22:56	0°♐		
	-12632 Dec 17 j 19:26	0°♑			-12627 Sep 17 j 10:30	0°☾		
	-12631 Jan 18 j 08:06	0°♒			-12627 Oct 17 j 09:02	0°♂		
max. Earth dist.	-12631 Jan 26 j 23:54	8°♒12'35	1.01967 AU		-12627 Nov 16 j 21:54	0°♐		
	-12631 Feb 18 j 23:15	0°♑			-12627 Dec 18 j 00:47	0°♑		
	-12631 Mar 22 j 08:57	0°♒			-12626 Jan 18 j 13:23	0°♒		
	-12631 Apr 22 j 06:52	0°♑		max. Earth dist.	-12626 Jan 27 j 10:10	8°♒24'29	1.01966 AU	
	-12631 May 22 j 14:10	0°♑			-12626 Feb 19 j 04:30	0°♑		
	-12631 Jun 21 j 07:57	0°♐			-12626 Mar 22 j 14:10	0°♒		
	-12631 Jul 20 j 16:47	0°♂			-12626 Apr 22 j 12:05	0°♑		
min. Earth dist.	-12631 Jul 29 j 15:21	9°♂09'49	0.98027 AU		-12626 May 22 j 19:24	0°♑		
	-12631 Aug 18 j 23:22	0°♐			-12626 Jun 21 j 13:14	0°♐		
	-12631 Sep 17 j 10:52	0°☾			-12626 Jul 20 j 22:08	0°♂		
	-12631 Oct 17 j 09:23	0°♂		min. Earth dist.	-12626 Jul 30 j 17:45	10°♂03'54	0.98033 AU	
	-12631 Nov 16 j 22:18	0°♐			-12626 Aug 19 j 04:47	0°♐		
	-12631 Dec 18 j 01:17	0°♑			-12626 Sep 17 j 16:21	0°☾		
	-12630 Jan 18 j 13:59	0°♒			-12626 Oct 17 j 14:53	0°♂		
max. Earth dist.	-12630 Jan 29 j 12:19	10°♒21'31	1.01968 AU		-12626 Nov 17 j 03:46	0°♐		
	-12630 Feb 19 j 05:10	0°♑			-12626 Dec 18 j 06:37	0°♑		
	-12630 Mar 22 j 14:51	0°♒			-12625 Jan 18 j 19:10	0°♒		
	-12630 Apr 22 j 12:45	0°♑		max. Earth dist.	-12625 Jan 29 j 04:46	9°♒51'28	1.01958 AU	
	-12630 May 22 j 20:03	0°♑			-12625 Feb 19 j 10:13	0°♑		
	-12630 Jun 21 j 13:51	0°♐			-12625 Mar 22 j 19:52	0°♒		
	-12630 Jul 20 j 22:44	0°♂			-12625 Apr 22 j 17:47	0°♑		
min. Earth dist.	-12630 Jul 29 j 05:44	8°♂30'00	0.98035 AU		-12625 May 23 j 01:08	0°♑		
	-12630 Aug 19 j 05:21	0°♐			-12625 Jun 21 j 19:01	0°♐		
	-12630 Sep 17 j 16:53	0°☾			-12625 Jul 21 j 03:59	0°♂		
	-12630 Oct 17 j 15:24	0°♂		min. Earth dist.	-12625 Jul 29 j 06:31	8°♂18'23	0.98037 AU	
	-12630 Nov 17 j 04:19	0°♐			-12625 Aug 19 j 10:39	0°♐		
	-12630 Dec 18 j 07:16	0°♑			-12625 Sep 17 j 22:13	0°☾		
	-12629 Jan 18 j 19:56	0°♒			-12625 Oct 17 j 20:44	0°♂		
max. Earth dist.	-12629 Jan 28 j 03:13	8°♒49'20	1.01969 AU		-12625 Nov 17 j 09:36	0°♐		
	-12629 Feb 19 j 11:04	0°♑			-12625 Dec 18 j 12:29	0°♑		
	-12629 Mar 22 j 20:44	0°♒			-12624 Jan 19 j 01:04	0°♒		
	-12629 Apr 22 j 18:36	0°♑		max. Earth dist.	-12624 Jan 29 j 09:19	9°♒48'25	1.01964 AU	
	-12629 May 23 j 01:53	0°♑			-12624 Feb 19 j 16:09	0°♑		
	-12629 Jun 21 j 19:43	0°♐			-12624 Mar 22 j 01:47	0°♒		
	-12629 Jul 21 j 04:39	0°♂			-12624 Apr 21 j 23:42	0°♑		
min. Earth dist.	-12629 Jul 31 j 10:41	10°♂30'43	0.98035 AU		-12624 May 22 j 07:02	0°♑		
	-12629 Aug 19 j 11:18	0°♐			-12624 Jun 21 j 00:55	0°♐		
	-12629 Sep 17 j 22:50	0°☾			-12624 Jul 20 j 09:51	0°♂		
	-12629 Oct 17 j 21:18	0°♂		min. Earth dist.	-12624 Jul 30 j 12:35	10°♂22'17	0.98038 AU	
	-12629 Nov 17 j 10:06	0°♐			-12624 Aug 18 j 16:29	0°♐		
	-12629 Dec 18 j 12:56	0°♑			-12624 Sep 17 j 04:00	0°☾		
	-12628 Jan 19 j 01:31	0°♒			-12624 Oct 17 j 02:28	0°♂		
max. Earth dist.	-12628 Jan 28 j 14:12	9°♒01'55	1.01962 AU		-12624 Nov 16 j 15:19	0°♐		
	-12628 Feb 19 j 16:40	0°♑			-12624 Dec 17 j 18:11	0°♑		
	-12628 Mar 22 j 02:22	0°♒			-12623 Jan 18 j 06:48	0°♒		
	-12628 Apr 22 j 00:19	0°♑		max. Earth dist.	-12623 Jan 26 j 23:09	8°♒13'54	1.01966 AU	
	-12628 May 22 j 07:40	0°♑			-12623 Feb 18 j 21:56	0°♑		
	-12628 Jun 21 j 01:32	0°♐			-12623 Mar 22 j 07:36	0°♒		

Attention, astronomical year style is used: The year -12623 in astronomical counting style is the year 12624 BCE in historical counting style.

	-12623 Apr 22 j 05:32	0°≈		max. Earth dist.	-12618 Jan 27 j 15:11	8°ℓ39'59	1.01969 AU
	-12623 May 22 j 12:51	0°✕			-12618 Feb 19 j 03:01	0°✕	
	-12623 Jun 21 j 06:41	0°Υ			-12618 Mar 22 j 12:44	0°☾	
	-12623 Jul 20 j 15:36	0°♂			-12618 Apr 22 j 10:42	0°≈	
min. Earth dist.	-12623 Jul 29 j 22:50	9°♂32'01	0.98032 AU		-12618 May 22 j 18:05	0°✕	
	-12623 Aug 18 j 22:14	0°ℓ			-12618 Jun 21 j 11:59	0°Υ	
	-12623 Sep 17 j 09:46	0°☾			-12618 Jul 20 j 20:55	0°♂	
	-12623 Oct 17 j 08:15	0°♂		min. Earth dist.	-12618 Jul 31 j 02:34	10°♂29'42	0.98033 AU
	-12623 Nov 16 j 21:05	0°♐			-12618 Aug 19 j 03:32	0°ℓ	
	-12623 Dec 17 j 23:59	0°♁			-12618 Sep 17 j 15:01	0°☾	
	-12622 Jan 18 j 12:37	0°ℓ			-12618 Oct 17 j 13:26	0°♂	
max. Earth dist.	-12622 Jan 29 j 12:49	10°ℓ25'55	1.01965 AU		-12618 Nov 17 j 02:13	0°♐	
	-12622 Feb 19 j 03:47	0°✕			-12618 Dec 18 j 05:01	0°♁	
	-12622 Mar 22 j 13:29	0°☾			-12617 Jan 18 j 17:34	0°ℓ	
	-12622 Apr 22 j 11:23	0°≈		max. Earth dist.	-12617 Jan 28 j 20:00	9°ℓ34'26	1.01961 AU
	-12622 May 22 j 18:41	0°✕			-12617 Feb 19 j 08:42	0°✕	
	-12622 Jun 21 j 12:30	0°Υ			-12617 Mar 22 j 18:24	0°☾	
	-12622 Jul 20 j 21:24	0°♂			-12617 Apr 22 j 16:23	0°≈	
min. Earth dist.	-12622 Jul 28 j 22:47	8°♂15'32	0.98037 AU		-12617 May 22 j 23:47	0°✕	
	-12622 Aug 19 j 04:03	0°ℓ			-12617 Jun 21 j 17:44	0°Υ	
	-12622 Sep 17 j 15:37	0°☾			-12617 Jul 21 j 02:43	0°♂	
	-12622 Oct 17 j 14:08	0°♂		min. Earth dist.	-12617 Jul 29 j 11:35	8°♂34'35	0.98037 AU
	-12622 Nov 17 j 03:01	0°♐			-12617 Aug 19 j 09:24	0°ℓ	
	-12622 Dec 18 j 05:55	0°♁			-12617 Sep 17 j 20:55	0°☾	
	-12621 Jan 18 j 18:32	0°ℓ			-12617 Oct 17 j 19:20	0°♂	
max. Earth dist.	-12621 Jan 28 j 11:55	9°ℓ13'12	1.01969 AU		-12617 Nov 17 j 08:05	0°♐	
	-12621 Feb 19 j 09:41	0°✕			-12617 Dec 18 j 10:53	0°♁	
	-12621 Mar 22 j 19:22	0°☾			-12616 Jan 18 j 23:27	0°ℓ	
	-12621 Apr 22 j 17:17	0°≈		max. Earth dist.	-12616 Jan 29 j 19:55	10°ℓ17'16	1.01966 AU
	-12621 May 23 j 00:35	0°✕			-12616 Feb 19 j 14:36	0°✕	
	-12621 Jun 21 j 18:25	0°Υ			-12616 Mar 22 j 00:20	0°☾	
	-12621 Jul 21 j 03:19	0°♂			-12616 Apr 21 j 22:21	0°≈	
min. Earth dist.	-12621 Jul 31 j 10:19	10°♂33'14	0.98035 AU		-12616 May 22 j 05:45	0°✕	
	-12621 Aug 19 j 09:57	0°ℓ			-12616 Jun 20 j 23:40	0°Υ	
	-12621 Sep 17 j 21:29	0°☾			-12616 Jul 20 j 08:38	0°♂	
	-12621 Oct 17 j 19:56	0°♂		min. Earth dist.	-12616 Jul 30 j 05:53	10°♂08'12	0.98039 AU
	-12621 Nov 17 j 08:45	0°♐			-12616 Aug 18 j 15:16	0°ℓ	
	-12621 Dec 18 j 11:33	0°♁			-12616 Sep 17 j 02:46	0°☾	
	-12620 Jan 19 j 00:07	0°ℓ			-12616 Oct 17 j 01:10	0°♂	
max. Earth dist.	-12620 Jan 28 j 05:50	8°ℓ45'31	1.01963 AU		-12616 Nov 16 j 13:55	0°♐	
	-12620 Feb 19 j 15:14	0°✕			-12616 Dec 17 j 16:42	0°♁	
	-12620 Mar 22 j 00:58	0°☾			-12615 Jan 18 j 05:16	0°ℓ	
	-12620 Apr 21 j 22:59	0°≈		max. Earth dist.	-12615 Jan 27 j 05:14	8°ℓ32'01	1.01967 AU
	-12620 May 22 j 06:22	0°✕			-12615 Feb 18 j 20:26	0°✕	
	-12620 Jun 21 j 00:15	0°Υ			-12615 Mar 22 j 06:11	0°☾	
	-12620 Jul 20 j 09:09	0°♂			-12615 Apr 22 j 04:14	0°≈	
min. Earth dist.	-12620 Jul 29 j 04:00	9°♂00'15	0.98030 AU		-12615 May 22 j 11:38	0°✕	
	-12620 Aug 18 j 15:45	0°ℓ			-12615 Jun 21 j 05:32	0°Υ	
	-12620 Sep 17 j 03:14	0°☾			-12615 Jul 20 j 14:28	0°♂	
	-12620 Oct 17 j 01:39	0°♂		min. Earth dist.	-12615 Jul 30 j 06:37	9°♂54'58	0.98031 AU
	-12620 Nov 16 j 14:28	0°♐			-12615 Aug 18 j 21:05	0°ℓ	
	-12620 Dec 17 j 17:18	0°♁			-12615 Sep 17 j 08:34	0°☾	
	-12619 Jan 18 j 05:55	0°ℓ			-12615 Oct 17 j 07:00	0°♂	
max. Earth dist.	-12619 Jan 29 j 11:28	10°ℓ38'42	1.01967 AU		-12615 Nov 16 j 19:47	0°♐	
	-12619 Feb 18 j 21:06	0°✕			-12615 Dec 17 j 22:35	0°♁	
	-12619 Mar 22 j 06:52	0°☾			-12614 Jan 18 j 11:09	0°ℓ	
	-12619 Apr 22 j 04:53	0°≈		max. Earth dist.	-12614 Jan 29 j 12:45	10°ℓ29'18	1.01963 AU
	-12619 May 22 j 12:16	0°✕			-12614 Feb 19 j 02:18	0°✕	
	-12619 Jun 21 j 06:08	0°Υ			-12614 Mar 22 j 12:02	0°☾	
	-12619 Jul 20 j 15:02	0°♂			-12614 Apr 22 j 10:04	0°≈	
min. Earth dist.	-12619 Jul 29 j 13:00	9°♂08'29	0.98035 AU		-12614 May 22 j 17:28	0°✕	
	-12619 Aug 18 j 21:36	0°ℓ			-12614 Jun 21 j 11:23	0°Υ	
	-12619 Sep 17 j 09:04	0°☾			-12614 Jul 20 j 20:19	0°♂	
	-12619 Oct 17 j 07:31	0°♂		min. Earth dist.	-12614 Jul 29 j 00:38	8°♂23'01	0.98035 AU
	-12619 Nov 16 j 20:21	0°♐			-12614 Aug 19 j 02:57	0°ℓ	
	-12619 Dec 17 j 23:14	0°♁			-12614 Sep 17 j 14:27	0°☾	
	-12618 Jan 18 j 11:51	0°ℓ			-12614 Oct 17 j 12:55	0°♂	

Attention, astronomical year style is used: The year -12614 in astronomical counting style is the year 12615 BCE in historical counting style.

	-12614 Nov 17 j 01:45	0° \mathbb{M}				-12609 Aug 19 j 08:20	0° \mathbb{I}			
	-12614 Dec 18 j 04:36	0° \mathbb{L}				-12609 Sep 17 j 19:50	0° \mathbb{G}			
	-12613 Jan 18 j 17:10	0° \mathbb{M}				-12609 Oct 17 j 18:15	0° \mathbb{O}			
max. Earth dist.	-12613 Jan 28 j 20:30	9° \mathbb{M} 36'46	1.01966 AU			-12609 Nov 17 j 06:59	0° \mathbb{M}			
	-12613 Feb 19 j 08:17	0° \mathbb{J}				-12609 Dec 18 j 09:45	0° \mathbb{L}			
	-12613 Mar 22 j 18:00	0° \mathbb{Z}				-12608 Jan 18 j 22:18	0° \mathbb{M}			
	-12613 Apr 22 j 16:00	0° \approx			max. Earth dist.	-12608 Jan 30 j 03:12	10° \mathbb{M} 37'12	1.01965 AU		
	-12613 May 22 j 23:25	0° \mathbb{H}				-12608 Feb 19 j 13:27	0° \mathbb{J}			
	-12613 Jun 21 j 17:21	0° \mathbb{Y}				-12608 Mar 21 j 23:13	0° \mathbb{Z}			
	-12613 Jul 21 j 02:20	0° \mathbb{B}				-12608 Apr 21 j 21:18	0° \approx			
min. Earth dist.	-12613 Jul 31 j 14:39	10° \mathbb{B} 46'53	0.98037 AU			-12608 May 22 j 04:47	0° \mathbb{H}			
	-12613 Aug 19 j 08:58	0° \mathbb{I}				-12608 Jun 20 j 22:44	0° \mathbb{Y}			
	-12613 Sep 17 j 20:27	0° \mathbb{G}				-12608 Jul 20 j 07:39	0° \mathbb{B}			
	-12613 Oct 17 j 18:50	0° \mathbb{O}			min. Earth dist.	-12608 Jul 29 j 21:47	9° \mathbb{B} 49'57	0.98035 AU		
	-12613 Nov 17 j 07:34	0° \mathbb{M}				-12608 Aug 18 j 14:14	0° \mathbb{I}			
	-12613 Dec 18 j 10:20	0° \mathbb{L}				-12608 Sep 17 j 01:39	0° \mathbb{G}			
	-12612 Jan 18 j 22:52	0° \mathbb{M}				-12608 Oct 17 j 00:00	0° \mathbb{O}			
max. Earth dist.	-12612 Jan 28 j 00:24	8° \mathbb{M} 35'42	1.01962 AU			-12608 Nov 16 j 12:44	0° \mathbb{M}			
	-12612 Feb 19 j 13:58	0° \mathbb{J}				-12608 Dec 17 j 15:32	0° \mathbb{L}			
	-12612 Mar 21 j 23:41	0° \mathbb{Z}				-12607 Jan 18 j 04:06	0° \mathbb{M}			
	-12612 Apr 21 j 21:43	0° \approx			max. Earth dist.	-12607 Jan 27 j 08:10	8° \mathbb{M} 41'44	1.01969 AU		
	-12612 May 22 j 05:11	0° \mathbb{H}				-12607 Feb 18 j 19:16	0° \mathbb{J}			
	-12612 Jun 20 j 23:09	0° \mathbb{Y}				-12607 Mar 22 j 05:04	0° \mathbb{Z}			
	-12612 Jul 20 j 08:09	0° \mathbb{B}				-12607 Apr 22 j 03:09	0° \approx			
min. Earth dist.	-12612 Jul 29 j 13:41	9° \mathbb{B} 27'37	0.98033 AU			-12607 May 22 j 10:38	0° \mathbb{H}			
	-12612 Aug 18 j 14:47	0° \mathbb{I}				-12607 Jun 21 j 04:35	0° \mathbb{Y}			
	-12612 Sep 17 j 02:15	0° \mathbb{G}				-12607 Jul 20 j 13:31	0° \mathbb{B}			
	-12612 Oct 17 j 00:37	0° \mathbb{O}			min. Earth dist.	-12607 Jul 30 j 16:31	10° \mathbb{B} 22'50	0.98029 AU		
	-12612 Nov 16 j 13:20	0° \mathbb{M}				-12607 Aug 18 j 20:05	0° \mathbb{I}			
	-12612 Dec 17 j 16:07	0° \mathbb{L}				-12607 Sep 17 j 07:29	0° \mathbb{G}			
	-12611 Jan 18 j 04:42	0° \mathbb{M}				-12607 Oct 17 j 05:49	0° \mathbb{O}			
max. Earth dist.	-12611 Jan 29 j 13:56	10° \mathbb{M} 47'23	1.01966 AU			-12607 Nov 16 j 18:32	0° \mathbb{M}			
	-12611 Feb 18 j 19:53	0° \mathbb{J}				-12607 Dec 17 j 21:20	0° \mathbb{L}			
	-12611 Mar 22 j 05:39	0° \mathbb{Z}				-12606 Jan 18 j 09:54	0° \mathbb{M}			
	-12611 Apr 22 j 03:41	0° \approx			max. Earth dist.	-12606 Jan 29 j 04:25	10° \mathbb{M} 12'30	1.01964 AU		
	-12611 May 22 j 11:06	0° \mathbb{H}				-12606 Feb 19 j 01:04	0° \mathbb{J}			
	-12611 Jun 21 j 05:02	0° \mathbb{Y}				-12606 Mar 22 j 10:50	0° \mathbb{Z}			
	-12611 Jul 20 j 13:59	0° \mathbb{B}				-12606 Apr 22 j 08:54	0° \approx			
min. Earth dist.	-12611 Jul 29 j 05:12	8° \mathbb{B} 51'02	0.98038 AU			-12606 May 22 j 16:22	0° \mathbb{H}			
	-12611 Aug 18 j 20:37	0° \mathbb{I}				-12606 Jun 21 j 10:21	0° \mathbb{Y}			
	-12611 Sep 17 j 08:06	0° \mathbb{G}				-12606 Jul 20 j 19:20	0° \mathbb{B}			
	-12611 Oct 17 j 06:31	0° \mathbb{O}			min. Earth dist.	-12606 Jul 29 j 05:37	8° \mathbb{B} 38'18	0.98035 AU		
	-12611 Nov 16 j 19:17	0° \mathbb{M}				-12606 Aug 19 j 01:57	0° \mathbb{I}			
	-12611 Dec 17 j 22:07	0° \mathbb{L}				-12606 Sep 17 j 13:23	0° \mathbb{G}			
	-12610 Jan 18 j 10:43	0° \mathbb{M}				-12606 Oct 17 j 11:44	0° \mathbb{O}			
max. Earth dist.	-12610 Jan 27 j 23:42	9° \mathbb{M} 02'50	1.01969 AU			-12606 Nov 17 j 00:27	0° \mathbb{M}			
	-12610 Feb 19 j 01:53	0° \mathbb{J}				-12606 Dec 18 j 03:14	0° \mathbb{L}			
	-12610 Mar 22 j 11:38	0° \mathbb{Z}				-12605 Jan 18 j 15:49	0° \mathbb{M}			
	-12610 Apr 22 j 09:38	0° \approx			max. Earth dist.	-12605 Jan 29 j 05:30	10° \mathbb{M} 01'15	1.01968 AU		
	-12610 May 22 j 17:01	0° \mathbb{H}				-12605 Feb 19 j 06:58	0° \mathbb{J}			
	-12610 Jun 21 j 10:56	0° \mathbb{Y}				-12605 Mar 22 j 16:44	0° \mathbb{Z}			
	-12610 Jul 20 j 19:52	0° \mathbb{B}				-12605 Apr 22 j 14:48	0° \approx			
min. Earth dist.	-12610 Jul 31 j 04:38	10° \mathbb{B} 37'42	0.98035 AU			-12605 May 22 j 22:16	0° \mathbb{H}			
	-12610 Aug 19 j 02:30	0° \mathbb{I}				-12605 Jun 21 j 16:15	0° \mathbb{Y}			
	-12610 Sep 17 j 14:01	0° \mathbb{G}				-12605 Jul 21 j 01:16	0° \mathbb{B}			
	-12610 Oct 17 j 12:26	0° \mathbb{O}			min. Earth dist.	-12605 Jul 31 j 13:55	10° \mathbb{B} 47'40	0.98039 AU		
	-12610 Nov 17 j 01:11	0° \mathbb{M}				-12605 Aug 19 j 07:55	0° \mathbb{I}			
	-12610 Dec 18 j 03:56	0° \mathbb{L}				-12605 Sep 17 j 19:21	0° \mathbb{G}			
	-12609 Jan 18 j 16:27	0° \mathbb{M}				-12605 Oct 17 j 17:39	0° \mathbb{O}			
max. Earth dist.	-12609 Jan 28 j 12:14	9° \mathbb{M} 18'48	1.01961 AU			-12605 Nov 17 j 06:17	0° \mathbb{M}			
	-12609 Feb 19 j 07:34	0° \mathbb{J}				-12605 Dec 18 j 08:57	0° \mathbb{L}			
	-12609 Mar 22 j 17:19	0° \mathbb{Z}				-12604 Jan 18 j 21:26	0° \mathbb{M}			
	-12609 Apr 22 j 15:21	0° \approx			max. Earth dist.	-12604 Jan 28 j 02:43	8° \mathbb{M} 44'34	1.01964 AU		
	-12609 May 22 j 22:47	0° \mathbb{H}				-12604 Feb 19 j 12:35	0° \mathbb{J}			
	-12609 Jun 21 j 16:43	0° \mathbb{Y}				-12604 Mar 21 j 22:22	0° \mathbb{Z}			
	-12609 Jul 21 j 01:41	0° \mathbb{B}				-12604 Apr 21 j 20:29	0° \approx			
min. Earth dist.	-12609 Jul 29 j 15:18	8° \mathbb{B} 46'45	0.98034 AU			-12604 May 22 j 04:00	0° \mathbb{H}			

Attention, astronomical year style is used: The year -12594 in astronomical counting style is the year 12595 BCE in historical counting style.

	-12594 Jan 18 j 07:48	0° \mathbb{M}					-12590 Oct 17 j 09:23	0° Ω			
max. Earth dist.	-12594 Jan 28 j 17:54	9° \mathbb{M} 52'48	1.01971 AU				-12590 Nov 16 j 22:01	0° \mathbb{M}			
	-12594 Feb 18 j 23:00	0° \mathbb{A}					-12590 Dec 18 j 00:41	0° \mathbb{A}			
	-12594 Mar 22 j 08:52	0° \mathbb{B}					-12589 Jan 18 j 13:10	0° \mathbb{M}			
	-12594 Apr 22 j 07:02	0° \approx			max. Earth dist.	-12589 Jan 29 j 20:52	10° \mathbb{M} 43'53	1.01964 AU			
	-12594 May 22 j 14:37	0° \mathbb{H}				-12589 Feb 19 j 04:18	0° \mathbb{A}				
	-12594 Jun 21 j 08:41	0° \mathbb{Y}				-12589 Mar 22 j 14:07	0° \mathbb{B}				
	-12594 Jul 20 j 17:42	0° \mathbb{B}				-12589 Apr 22 j 12:17	0° \approx				
min. Earth dist.	-12594 Jul 31 j 13:20	11° \mathbb{B} 05'37	0.98036 AU			-12589 May 22 j 19:53	0° \mathbb{H}				
	-12594 Aug 19 j 00:18	0° \mathbb{II}				-12589 Jun 21 j 13:59	0° \mathbb{Y}				
	-12594 Sep 17 j 11:41	0° \mathbb{B}				-12589 Jul 20 j 23:03	0° \mathbb{B}				
	-12594 Oct 17 j 09:56	0° Ω			min. Earth dist.	-12589 Jul 31 j 00:29	10° \mathbb{B} 18'54	0.98040 AU			
	-12594 Nov 16 j 22:30	0° \mathbb{M}				-12589 Aug 19 j 05:40	0° \mathbb{II}				
	-12594 Dec 18 j 01:08	0° \mathbb{A}				-12589 Sep 17 j 17:03	0° \mathbb{B}				
max. Earth dist.	-12593 Jan 18 j 13:35	0° \mathbb{M}				-12589 Oct 17 j 15:16	0° Ω				
	-12593 Jan 28 j 01:13	8° \mathbb{M} 59'35	1.01962 AU			-12589 Nov 17 j 03:49	0° \mathbb{M}				
	-12593 Feb 19 j 04:43	0° \mathbb{A}				-12589 Dec 18 j 06:27	0° \mathbb{A}				
	-12593 Mar 22 j 14:32	0° \mathbb{B}				-12588 Jan 18 j 18:54	0° \mathbb{M}				
	-12593 Apr 22 j 12:42	0° \approx			max. Earth dist.	-12588 Jan 28 j 07:05	9° \mathbb{M} 01'01	1.01965 AU			
	-12593 May 22 j 20:18	0° \mathbb{H}				-12588 Feb 19 j 10:02	0° \mathbb{A}				
	-12593 Jun 21 j 14:25	0° \mathbb{Y}				-12588 Mar 21 j 19:51	0° \mathbb{B}				
	-12593 Jul 20 j 23:30	0° \mathbb{B}				-12588 Apr 21 j 18:02	0° \approx				
min. Earth dist.	-12593 Jul 30 j 10:18	9° \mathbb{B} 41'06	0.98036 AU			-12588 May 22 j 01:40	0° \mathbb{H}				
	-12593 Aug 19 j 06:10	0° \mathbb{II}				-12588 Jun 20 j 19:46	0° \mathbb{Y}				
	-12593 Sep 17 j 17:34	0° \mathbb{B}				-12588 Jul 20 j 04:50	0° \mathbb{B}				
	-12593 Oct 17 j 15:49	0° Ω			min. Earth dist.	-12588 Jul 30 j 13:33	10° \mathbb{B} 37'25	0.98034 AU			
	-12593 Nov 17 j 04:22	0° \mathbb{M}				-12588 Aug 18 j 11:28	0° \mathbb{II}				
	-12593 Dec 18 j 06:58	0° \mathbb{A}				-12588 Sep 16 j 22:50	0° \mathbb{B}				
	-12592 Jan 18 j 19:25	0° \mathbb{M}				-12588 Oct 16 j 21:02	0° Ω				
max. Earth dist.	-12592 Jan 30 j 14:30	11° \mathbb{M} 10'46	1.01963 AU			-12588 Nov 16 j 09:34	0° \mathbb{M}				
	-12592 Feb 19 j 10:34	0° \mathbb{A}				-12588 Dec 17 j 12:11	0° \mathbb{A}				
	-12592 Mar 21 j 20:26	0° \mathbb{B}				-12587 Jan 18 j 00:39	0° \mathbb{M}				
	-12592 Apr 21 j 18:39	0° \approx			max. Earth dist.	-12587 Jan 29 j 08:16	10° \mathbb{M} 43'31	1.01964 AU			
	-12592 May 22 j 02:17	0° \mathbb{H}				-12587 Feb 18 j 15:50	0° \mathbb{A}				
	-12592 Jun 20 j 20:21	0° \mathbb{Y}				-12587 Mar 22 j 01:43	0° \mathbb{B}				
	-12592 Jul 20 j 05:23	0° \mathbb{B}				-12587 Apr 21 j 23:54	0° \approx				
min. Earth dist.	-12592 Jul 29 j 08:07	9° \mathbb{B} 20'32	0.98039 AU			-12587 May 22 j 07:29	0° \mathbb{H}				
	-12592 Aug 18 j 12:01	0° \mathbb{II}				-12587 Jun 21 j 01:32	0° \mathbb{Y}				
	-12592 Sep 16 j 23:24	0° \mathbb{B}				-12587 Jul 20 j 10:33	0° \mathbb{B}				
	-12592 Oct 16 j 21:39	0° Ω			min. Earth dist.	-12587 Jul 29 j 02:26	8° \mathbb{B} 52'35	0.98035 AU			
	-12592 Nov 16 j 10:13	0° \mathbb{M}				-12587 Aug 18 j 17:10	0° \mathbb{II}				
	-12592 Dec 17 j 12:51	0° \mathbb{A}				-12587 Sep 17 j 04:33	0° \mathbb{B}				
max. Earth dist.	-12591 Jan 18 j 01:20	0° \mathbb{M}				-12587 Oct 17 j 02:48	0° Ω				
	-12591 Jan 27 j 23:48	9° \mathbb{M} 25'20	1.01968 AU			-12587 Nov 16 j 15:24	0° \mathbb{M}				
	-12591 Feb 18 j 16:31	0° \mathbb{A}				-12587 Dec 17 j 18:04	0° \mathbb{A}				
	-12591 Mar 22 j 02:23	0° \mathbb{B}				-12586 Jan 18 j 06:36	0° \mathbb{M}				
	-12591 Apr 22 j 00:36	0° \approx			max. Earth dist.	-12586 Jan 29 j 02:01	10° \mathbb{M} 14'50	1.01970 AU			
	-12591 May 22 j 08:12	0° \mathbb{H}				-12586 Feb 18 j 21:49	0° \mathbb{A}				
	-12591 Jun 21 j 02:16	0° \mathbb{Y}				-12586 Mar 22 j 07:41	0° \mathbb{B}				
	-12591 Jul 20 j 11:16	0° \mathbb{B}				-12586 Apr 22 j 05:53	0° \approx				
min. Earth dist.	-12591 Jul 31 j 03:41	10° \mathbb{B} 57'19	0.98034 AU			-12586 May 22 j 13:27	0° \mathbb{H}				
	-12591 Aug 18 j 17:53	0° \mathbb{II}				-12586 Jun 21 j 07:29	0° \mathbb{Y}				
	-12591 Sep 17 j 05:17	0° \mathbb{B}				-12586 Jul 20 j 16:29	0° \mathbb{B}				
	-12591 Oct 17 j 03:33	0° Ω			min. Earth dist.	-12586 Jul 31 j 07:04	10° \mathbb{B} 52'41	0.98037 AU			
	-12591 Nov 16 j 16:08	0° \mathbb{M}				-12586 Aug 18 j 23:05	0° \mathbb{II}				
	-12591 Dec 17 j 18:47	0° \mathbb{A}				-12586 Sep 17 j 10:29	0° \mathbb{B}				
max. Earth dist.	-12590 Jan 18 j 07:14	0° \mathbb{M}				-12586 Oct 17 j 08:45	0° Ω				
	-12590 Jan 28 j 11:48	9° \mathbb{M} 39'38	1.01960 AU			-12586 Nov 16 j 21:18	0° \mathbb{M}				
	-12590 Feb 18 j 22:21	0° \mathbb{A}				-12586 Dec 17 j 23:54	0° \mathbb{A}				
	-12590 Mar 22 j 08:10	0° \mathbb{B}			max. Earth dist.	-12585 Jan 18 j 12:20	0° \mathbb{M}				
	-12590 Apr 22 j 06:21	0° \approx				-12585 Jan 27 j 23:41	8° \mathbb{M} 59'00	1.01964 AU			
	-12590 May 22 j 13:57	0° \mathbb{H}				-12585 Feb 19 j 03:28	0° \mathbb{A}				
	-12590 Jun 21 j 08:01	0° \mathbb{Y}				-12585 Mar 22 j 13:19	0° \mathbb{B}				
	-12590 Jul 20 j 17:03	0° \mathbb{B}				-12585 Apr 22 j 11:32	0° \approx				
min. Earth dist.	-12590 Jul 29 j 14:03	9° \mathbb{B} 05'43	0.98034 AU			-12585 May 22 j 19:09	0° \mathbb{H}				
	-12590 Aug 18 j 23:40	0° \mathbb{II}				-12585 Jun 21 j 13:14	0° \mathbb{Y}				
	-12590 Sep 17 j 11:05	0° \mathbb{B}				-12585 Jul 20 j 22:15	0° \mathbb{B}				

Attention, astronomical year style is used: The year -12585 in astronomical counting style is the year 12586 BCE in historical counting style.

min. Earth dist.	-12585 Jul 30 j 16:07	9° ♄ 59'15	0.98032 AU	min. Earth dist.	-12580 May 22 j 00:21	0° ♄	min. Earth dist.	-12580 May 22 j 00:21	0° ♄
	-12585 Aug 19 j 04:52	0° ♄			-12580 Jun 20 j 18:31	0° ♄			
	-12585 Sep 17 j 16:14	0° ♄			-12580 Jul 20 j 03:36	0° ♄			
	-12585 Oct 17 j 14:28	0° ♄			-12580 Jul 30 j 20:44	10° ♄ 59'04			
	-12585 Nov 17 j 03:00	0° ♄			-12580 Aug 18 j 10:13	0° ♄			
	-12585 Dec 18 j 05:36	0° ♄			-12580 Sep 16 j 21:32	0° ♄			
max. Earth dist.	-12584 Jan 18 j 18:03	0° ♄		max. Earth dist.	-12580 Oct 16 j 19:40	0° ♄	max. Earth dist.	-12580 Oct 16 j 19:40	0° ♄
	-12584 Jan 30 j 14:47	11° ♄ 14'40	1.01963 AU		-12580 Nov 16 j 08:06	0° ♄			
	-12584 Feb 19 j 09:13	0° ♄			-12580 Dec 17 j 10:36	0° ♄			
	-12584 Mar 21 j 19:07	0° ♄			-12579 Jan 17 j 23:00	0° ♄			
	-12584 Apr 21 j 17:24	0° ♄			-12579 Jan 29 j 03:52	10° ♄ 37'07			
	-12584 May 22 j 01:04	0° ♄			-12579 Feb 18 j 14:10	0° ♄			
min. Earth dist.	-12584 Jun 20 j 19:10	0° ♄		min. Earth dist.	-12579 Mar 22 j 00:07	0° ♄	min. Earth dist.	-12579 Mar 22 j 00:07	0° ♄
	-12584 Jul 20 j 04:09	0° ♄			-12579 Apr 21 j 22:27	0° ♄			
	-12584 Jul 29 j 03:36	9° ♄ 12'07	0.98033 AU		-12579 May 22 j 06:09	0° ♄			
	-12584 Aug 18 j 10:41	0° ♄			-12579 Jun 21 j 00:18	0° ♄			
	-12584 Sep 16 j 21:59	0° ♄			-12579 Jul 20 j 09:20	0° ♄			
	-12584 Oct 16 j 20:10	0° ♄			-12579 Jul 29 j 07:41	9° ♄ 09'08			
max. Earth dist.	-12584 Nov 16 j 08:42	0° ♄		max. Earth dist.	-12579 Aug 18 j 15:56	0° ♄	max. Earth dist.	-12579 Aug 18 j 15:56	0° ♄
	-12584 Dec 17 j 11:21	0° ♄			-12579 Sep 17 j 03:17	0° ♄			
	-12583 Jan 17 j 23:53	0° ♄			-12579 Oct 17 j 01:29	0° ♄			
	-12583 Jan 28 j 06:48	9° ♄ 45'20	1.01971 AU		-12579 Nov 16 j 13:59	0° ♄			
	-12583 Feb 18 j 15:05	0° ♄			-12579 Dec 17 j 16:34	0° ♄			
	-12583 Mar 22 j 01:01	0° ♄			-12578 Jan 18 j 05:02	0° ♄			
min. Earth dist.	-12583 Apr 21 j 23:18	0° ♄		min. Earth dist.	-12578 Jan 29 j 11:30	10° ♄ 41'02	min. Earth dist.	-12578 Jan 29 j 11:30	10° ♄ 41'02
	-12583 May 22 j 06:58	0° ♄			-12578 Feb 18 j 20:12	0° ♄			
	-12583 Jun 21 j 01:05	0° ♄			-12578 Mar 22 j 06:07	0° ♄			
	-12583 Jul 20 j 10:05	0° ♄			-12578 Apr 22 j 04:25	0° ♄			
	-12583 Jul 31 j 09:30	11° ♄ 15'21	0.98031 AU		-12578 May 22 j 12:07	0° ♄			
	-12583 Aug 18 j 16:38	0° ♄			-12578 Jun 21 j 06:17	0° ♄			
max. Earth dist.	-12583 Sep 17 j 03:54	0° ♄		max. Earth dist.	-12578 Jul 20 j 15:21	0° ♄	max. Earth dist.	-12578 Jul 20 j 15:21	0° ♄
	-12583 Oct 17 j 02:03	0° ♄			-12578 Jul 31 j 06:03	10° ♄ 52'57			
	-12583 Nov 16 j 14:34	0° ♄			-12578 Aug 18 j 21:57	0° ♄			
	-12583 Dec 17 j 17:11	0° ♄			-12578 Sep 17 j 09:18	0° ♄			
	-12582 Jan 18 j 05:40	0° ♄			-12578 Oct 17 j 07:29	0° ♄			
	-12582 Jan 28 j 03:07	9° ♄ 22'48	1.01964 AU		-12578 Nov 16 j 19:59	0° ♄			
min. Earth dist.	-12582 Feb 18 j 20:50	0° ♄		min. Earth dist.	-12578 Dec 17 j 22:31	0° ♄	min. Earth dist.	-12578 Dec 17 j 22:31	0° ♄
	-12582 Mar 22 j 06:43	0° ♄			-12577 Jan 18 j 10:54	0° ♄			
	-12582 Apr 22 j 04:58	0° ♄			-12577 Jan 28 j 01:04	9° ♄ 05'45			
	-12582 May 22 j 12:37	0° ♄			-12577 Feb 19 j 01:59				

Attention, astronomical year style is used: The year -12575 in astronomical counting style is the year 12576 BCE in historical counting style.

	-12575 Feb 18 j 13:50	0°♌			-12571 Dec 17 j 15:20	0°♊		
	-12575 Mar 21 j 23:47	0°♈			-12570 Jan 18 j 03:50	0°♌		
	-12575 Apr 21 j 22:04	0°♍		max. Earth dist.	-12570 Jan 29 j 17:53	10°♌58'53	1.01970 AU	
	-12575 May 22 j 05:45	0°♋			-12570 Feb 18 j 19:04	0°♌		
	-12575 Jun 20 j 23:53	0°♐			-12570 Mar 22 j 05:02	0°♈		
	-12575 Jul 20 j 08:57	0°♉			-12570 Apr 22 j 03:23	0°♍		
min. Earth dist.	-12575 Jul 31 j 07:59	11°♉14'20	0.98036 AU		-12570 May 22 j 11:08	0°♋		
	-12575 Aug 18 j 15:33	0°♊			-12570 Jun 21 j 05:20	0°♐		
	-12575 Sep 17 j 02:53	0°♏			-12570 Jul 20 j 14:25	0°♉		
	-12575 Oct 17 j 01:03	0°♏		min. Earth dist.	-12570 Jul 30 j 23:35	10°♉38'41	0.98038 AU	
	-12575 Nov 16 j 13:31	0°♍			-12570 Aug 18 j 21:00	0°♊		
	-12575 Dec 17 j 16:05	0°♊			-12570 Sep 17 j 08:17	0°♏		
	-12574 Jan 18 j 04:32	0°♌			-12570 Oct 17 j 06:22	0°♏		
max. Earth dist.	-12574 Jan 27 j 22:15	9°♌14'02	1.01964 AU		-12570 Nov 16 j 18:46	0°♍		
	-12574 Feb 18 j 19:41	0°♌			-12570 Dec 17 j 21:14	0°♊		
	-12574 Mar 22 j 05:35	0°♈			-12569 Jan 18 j 09:37	0°♌		
	-12574 Apr 22 j 03:51	0°♍		max. Earth dist.	-12569 Jan 28 j 06:51	9°♌22'28	1.01966 AU	
	-12574 May 22 j 11:31	0°♋			-12569 Feb 19 j 00:46	0°♌		
	-12574 Jun 21 j 05:39	0°♐			-12569 Mar 22 j 10:42	0°♈		
	-12574 Jul 20 j 14:42	0°♉			-12569 Apr 22 j 09:02	0°♍		
min. Earth dist.	-12574 Jul 30 j 03:27	9°♉46'05	0.98033 AU		-12569 May 22 j 16:48	0°♋		
	-12574 Aug 18 j 21:19	0°♊			-12569 Jun 21 j 11:02	0°♐		
	-12574 Sep 17 j 08:41	0°♏			-12569 Jul 20 j 20:11	0°♉		
	-12574 Oct 17 j 06:52	0°♏		min. Earth dist.	-12569 Jul 31 j 10:25	10°♉51'32	0.98035 AU	
	-12574 Nov 16 j 19:22	0°♍			-12569 Aug 19 j 02:50	0°♊		
	-12574 Dec 17 j 21:56	0°♊			-12569 Sep 17 j 14:08	0°♏		
	-12573 Jan 18 j 10:23	0°♌			-12569 Oct 17 j 12:12	0°♏		
max. Earth dist.	-12573 Jan 30 j 08:20	11°♌17'32	1.01965 AU		-12569 Nov 17 j 00:34	0°♍		
	-12573 Feb 19 j 01:34	0°♌			-12569 Dec 18 j 02:59	0°♊		
	-12573 Mar 22 j 11:31	0°♈			-12568 Jan 18 j 15:20	0°♌		
	-12573 Apr 22 j 09:49	0°♍		max. Earth dist.	-12568 Jan 30 j 11:46	11°♌13'57	1.01961 AU	
	-12573 May 22 j 17:32	0°♋			-12568 Feb 19 j 06:30	0°♌		
	-12573 Jun 21 j 11:41	0°♐			-12568 Mar 21 j 16:29	0°♈		
	-12573 Jul 20 j 20:44	0°♉			-12568 Apr 21 j 14:53	0°♍		
min. Earth dist.	-12573 Jul 30 j 06:24	9°♉38'22	0.98037 AU		-12568 May 21 j 22:40	0°♋		
	-12573 Aug 19 j 03:19	0°♊			-12568 Jun 20 j 16:53	0°♐		
	-12573 Sep 17 j 14:36	0°♏			-12568 Jul 20 j 01:58	0°♉		
	-12573 Oct 17 j 12:44	0°♏		min. Earth dist.	-12568 Jul 29 j 03:08	9°♉16'25	0.98034 AU	
	-12573 Nov 17 j 01:11	0°♍			-12568 Aug 18 j 08:33	0°♊		
	-12573 Dec 18 j 03:43	0°♊			-12568 Sep 16 j 19:49	0°♏		
	-12572 Jan 18 j 16:08	0°♌			-12568 Oct 16 j 17:54	0°♏		
max. Earth dist.	-12572 Jan 28 j 21:45	9°♌42'17	1.01968 AU		-12568 Nov 16 j 06:17	0°♍		
	-12572 Feb 19 j 07:19	0°♌			-12568 Dec 17 j 08:47	0°♊		
	-12572 Mar 21 j 17:18	0°♈			-12567 Jan 17 j 21:12	0°♌		
	-12572 Apr 21 j 15:39	0°♍		max. Earth dist.	-12567 Jan 29 j 02:09	10°♌37'27	1.01969 AU	
	-12572 May 21 j 23:25	0°♋			-12567 Feb 18 j 12:25	0°♌		
	-12572 Jun 20 j 17:37	0°♐			-12567 Mar 21 j 22:25	0°♈		
	-12572 Jul 20 j 02:40	0°♉			-12567 Apr 21 j 20:49	0°♍		
min. Earth dist.	-12572 Jul 31 j 02:39	11°♉16'43	0.98031 AU		-12567 May 22 j 04:37	0°♋		
	-12572 Aug 18 j 09:13	0°♊			-12567 Jun 20 j 22:49	0°♐		
	-12572 Sep 16 j 20:28	0°♏			-12567 Jul 20 j 07:52	0°♉		
	-12572 Oct 16 j 18:33	0°♏		min. Earth dist.	-12567 Jul 31 j 07:35	11°♉16'05	0.98035 AU	
	-12572 Nov 16 j 06:58	0°♍			-12567 Aug 18 j 14:26	0°♊		
	-12572 Dec 17 j 09:29	0°♊			-12567 Sep 17 j 01:43	0°♏		
	-12571 Jan 17 j 21:55	0°♌			-12567 Oct 16 j 23:49	0°♏		
max. Earth dist.	-12571 Jan 28 j 13:51	10°♌06'32	1.01965 AU		-12567 Nov 16 j 12:13	0°♍		
	-12571 Feb 18 j 13:06	0°♌			-12567 Dec 17 j 14:43	0°♊		
	-12571 Mar 21 j 23:05	0°♈			-12566 Jan 18 j 03:05	0°♌		
	-12571 Apr 21 j 21:26	0°♍		max. Earth dist.	-12566 Jan 27 j 21:24	9°♌15'32	1.01963 AU	
	-12571 May 22 j 05:12	0°♋			-12566 Feb 18 j 18:13	0°♌		
	-12571 Jun 20 j 23:23	0°♐			-12566 Mar 22 j 04:08	0°♈		
	-12571 Jul 20 j 08:26	0°♉			-12566 Apr 22 j 02:29	0°♍		
min. Earth dist.	-12571 Jul 29 j 14:55	9°♉30'01	0.98030 AU		-12566 May 22 j 10:17	0°♋		
	-12571 Aug 18 j 15:00	0°♊			-12566 Jun 21 j 04:30	0°♐		
	-12571 Sep 17 j 02:15	0°♏			-12566 Jul 20 j 13:37	0°♉		
	-12571 Oct 17 j 00:20	0°♏		min. Earth dist.	-12566 Jul 30 j 14:28	10°♉17'12	0.98032 AU	
	-12571 Nov 16 j 12:47	0°♍			-12566 Aug 18 j 20:12	0°♊		

Attention, astronomical year style is used: The year -12566 in astronomical counting style is the year 12567 BCE in historical counting style.

	-12566 Sep 17 j 07:29	0°☾					-12561 Jul 20 j 18:52	0°♄			
	-12566 Oct 17 j 05:36	0°♌			min. Earth dist.		-12561 Jul 31 j 16:17	11°♄10'03	0.98033 AU		
	-12566 Nov 16 j 18:00	0°♍					-12561 Aug 19 j 01:27	0°♊			
	-12566 Dec 17 j 20:30	0°♋					-12561 Sep 17 j 12:43	0°☾			
	-12565 Jan 18 j 08:53	0°♎					-12561 Oct 17 j 10:45	0°♌			
max. Earth dist.	-12565 Jan 30 j 09:05	11°♎22'51	1.01962 AU				-12561 Nov 16 j 23:05	0°♍			
	-12565 Feb 19 j 00:02	0°♎					-12561 Dec 18 j 01:30	0°♋			
	-12565 Mar 22 j 09:59	0°♏					-12560 Jan 18 j 13:50	0°♎			
	-12565 Apr 22 j 08:20	0°♐			max. Earth dist.		-12560 Jan 30 j 01:53	10°♎54'10	1.01961 AU		
	-12565 May 22 j 16:08	0°♑					-12560 Feb 19 j 05:00	0°♎			
	-12565 Jun 21 j 10:23	0°♒					-12560 Mar 21 j 15:01	0°♏			
	-12565 Jul 20 j 19:32	0°♑					-12560 Apr 21 j 13:29	0°♐			
min. Earth dist.	-12565 Jul 30 j 05:20	9°♑38'37	0.98038 AU				-12560 May 21 j 21:22	0°♑			
	-12565 Aug 19 j 02:07	0°♊					-12560 Jun 20 j 15:38	0°♒			
	-12565 Sep 17 j 13:22	0°☾					-12560 Jul 20 j 00:43	0°♑			
	-12565 Oct 17 j 11:23	0°♌			min. Earth dist.		-12560 Jul 29 j 08:29	9°♑33'21	0.98030 AU		
	-12565 Nov 16 j 23:44	0°♍					-12560 Aug 18 j 07:15	0°♊			
	-12565 Dec 18 j 02:13	0°♋					-12560 Sep 16 j 18:27	0°☾			
	-12564 Jan 18 j 14:37	0°♎					-12560 Oct 16 j 16:26	0°♌			
max. Earth dist.	-12564 Jan 29 j 04:59	10°♎03'01	1.01968 AU				-12560 Nov 16 j 04:47	0°♍			
	-12564 Feb 19 j 05:48	0°♎					-12560 Dec 17 j 07:16	0°♋			
	-12564 Mar 21 j 15:46	0°♏					-12559 Jan 17 j 19:42	0°♎			
	-12564 Apr 21 j 14:09	0°♐			max. Earth dist.		-12559 Jan 29 j 08:56	10°♎56'58	1.01971 AU		
	-12564 May 21 j 21:58	0°♑					-12559 Feb 18 j 10:57	0°♎			
	-12564 Jun 20 j 16:14	0°♒					-12559 Mar 21 j 21:00	0°♏			
	-12564 Jul 20 j 01:22	0°♑					-12559 Apr 21 j 19:28	0°♐			
min. Earth dist.	-12564 Jul 31 j 07:21	11°♑32'05	0.98036 AU				-12559 May 22 j 03:21	0°♑			
	-12564 Aug 18 j 07:58	0°♊					-12559 Jun 20 j 21:38	0°♒			
	-12564 Sep 16 j 19:13	0°☾					-12559 Jul 20 j 06:45	0°♑			
	-12564 Oct 16 j 17:14	0°♌			min. Earth dist.		-12559 Jul 31 j 07:21	11°♑18'22	0.98035 AU		
	-12564 Nov 16 j 05:34	0°♍					-12559 Aug 18 j 13:17	0°♊			
	-12564 Dec 17 j 08:00	0°♋					-12559 Sep 17 j 00:29	0°☾			
	-12563 Jan 17 j 20:24	0°♎					-12559 Oct 16 j 22:28	0°♌			
max. Earth dist.	-12563 Jan 28 j 05:13	9°♎49'44	1.01964 AU				-12559 Nov 16 j 10:48	0°♍			
	-12563 Feb 18 j 11:35	0°♎					-12559 Dec 17 j 13:15	0°♋			
	-12563 Mar 21 j 21:34	0°♏					-12558 Jan 18 j 01:38	0°♎			
	-12563 Apr 21 j 19:57	0°♐			max. Earth dist.		-12558 Jan 27 j 22:32	9°♎21'37	1.01966 AU		
	-12563 May 22 j 03:44	0°♑					-12558 Feb 18 j 16:49	0°♎			
	-12563 Jun 20 j 21:56	0°♒					-12558 Mar 22 j 02:48	0°♏			
	-12563 Jul 20 j 07:02	0°♑					-12558 Apr 22 j 01:12	0°♐			
min. Earth dist.	-12563 Jul 29 j 19:28	9°♑45'15	0.98032 AU				-12558 May 22 j 09:04	0°♑			
	-12563 Aug 18 j 13:38	0°♊					-12558 Jun 21 j 03:21	0°♒			
	-12563 Sep 17 j 00:54	0°☾					-12558 Jul 20 j 12:31	0°♑			
	-12563 Oct 16 j 22:58	0°♌			min. Earth dist.		-12558 Jul 31 j 00:09	10°♑44'48	0.98034 AU		
	-12563 Nov 16 j 11:21	0°♍					-12558 Aug 18 j 19:08	0°♊			
	-12563 Dec 17 j 13:50	0°♋					-12558 Sep 17 j 06:23	0°☾			
	-12562 Jan 18 j 02:16	0°♎					-12558 Oct 17 j 04:24	0°♌			
max. Earth dist.	-12562 Jan 30 j 00:57	11°♎19'17	1.01968 AU				-12558 Nov 16 j 16:42	0°♍			
	-12562 Feb 18 j 17:31	0°♎					-12558 Dec 17 j 19:06	0°♋			
	-12562 Mar 22 j 03:32	0°♏					-12557 Jan 18 j 07:28	0°♎			
	-12562 Apr 22 j 01:56	0°♐			max. Earth dist.		-12557 Jan 30 j 10:07	11°♎28'39	1.01963 AU		
	-12562 May 22 j 09:43	0°♑					-12557 Feb 18 j 22:40	0°♎			
	-12562 Jun 21 j 03:55	0°♒					-12557 Mar 22 j 08:41	0°♏			
	-12562 Jul 20 j 13:00	0°♑					-12557 Apr 22 j 07:07	0°♐			
min. Earth dist.	-12562 Jul 30 j 09:33	10°♑06'19	0.98038 AU				-12557 May 22 j 14:59	0°♑			
	-12562 Aug 18 j 19:35	0°♊					-12557 Jun 21 j 09:17	0°♒			
	-12562 Sep 17 j 06:52	0°☾					-12557 Jul 20 j 18:28	0°♑			
	-12562 Oct 17 j 04:56	0°♌			min. Earth dist.		-12557 Jul 30 j 02:37	9°♑34'17	0.98039 AU		
	-12562 Nov 16 j 17:18	0°♍					-12557 Aug 19 j 01:05	0°♊			
	-12562 Dec 17 j 19:45	0°♋					-12557 Sep 17 j 12:19	0°☾			
	-12561 Jan 18 j 08:06	0°♎					-12557 Oct 17 j 10:18	0°♌			
max. Earth dist.	-12561 Jan 28 j 13:02	9°♎40'43	1.01966 AU				-12557 Nov 16 j 22:33	0°♍			
	-12561 Feb 18 j 23:16	0°♎					-12557 Dec 18 j 00:55	0°♋			
	-12561 Mar 22 j 09:15	0°♏					-12556 Jan 18 j 13:16	0°♎			
	-12561 Apr 22 j 07:39	0°♐			max. Earth dist.		-12556 Jan 29 j 16:28	10°♎33'22	1.01968 AU		
	-12561 May 22 j 15:29	0°♑					-12556 Feb 19 j 04:28	0°♎			
	-12561 Jun 21 j 09:45	0°♒					-12556 Mar 21 j 14:32	0°♏			

Attention, astronomical year style is used: The year -12556 in astronomical counting style is the year 12557 BCE in historical counting style.

	-12556 Apr 21 j 13:02	0°≈		max. Earth dist.	-12551 Jan 29 j 15:39	11°ℳ15'29	1.01970 AU
	-12556 May 21 j 20:56	0°✕			-12551 Feb 18 j 09:51	0°✕	
	-12556 Jun 20 j 15:14	0°Y			-12551 Mar 21 j 19:56	0°З	
	-12556 Jul 20 j 00:24	0°Б			-12551 Apr 21 j 18:25	0°≈	
min. Earth dist.	-12556 Jul 31 j 07:57	11°Б36'09	0.98037 AU		-12551 May 22 j 02:17	0°✕	
	-12556 Aug 18 j 07:00	0°II			-12551 Jun 20 j 20:33	0°Y	
	-12556 Sep 16 j 18:14	0°☾			-12551 Jul 20 j 05:40	0°Б	
	-12556 Oct 16 j 16:14	0°Ω		min. Earth dist.	-12551 Jul 30 j 19:41	10°Б51'09	0.98036 AU
	-12556 Nov 16 j 04:30	0°ℳ			-12551 Aug 18 j 12:13	0°II	
	-12556 Dec 17 j 06:51	0°♁			-12551 Sep 16 j 23:26	0°☾	
	-12555 Jan 17 j 19:10	0°ℳ			-12551 Oct 16 j 21:25	0°Ω	
max. Earth dist.	-12555 Jan 28 j 02:27	9°ℳ46'11	1.01963 AU		-12551 Nov 16 j 09:42	0°ℳ	
	-12555 Feb 18 j 10:20	0°✕			-12551 Dec 17 j 12:07	0°♁	
	-12555 Mar 21 j 20:22	0°З			-12550 Jan 18 j 00:29	0°ℳ	
	-12555 Apr 21 j 18:50	0°≈		max. Earth dist.	-12550 Jan 28 j 02:55	9°ℳ34'46	1.01968 AU
	-12555 May 22 j 02:43	0°✕			-12550 Feb 18 j 15:41	0°✕	
	-12555 Jun 20 j 21:00	0°Y			-12550 Mar 22 j 01:42	0°З	
	-12555 Jul 20 j 06:07	0°Б			-12550 Apr 22 j 00:09	0°≈	
min. Earth dist.	-12555 Jul 30 j 03:15	10°Б07'35	0.98032 AU		-12550 May 22 j 08:00	0°✕	
	-12555 Aug 18 j 12:42	0°II			-12550 Jun 21 j 02:17	0°Y	
	-12555 Sep 16 j 23:57	0°☾			-12550 Jul 20 j 11:24	0°Б	
	-12555 Oct 16 j 21:59	0°Ω		min. Earth dist.	-12550 Jul 31 j 04:56	11°Б00'04	0.98031 AU
	-12555 Nov 16 j 10:20	0°ℳ			-12550 Aug 18 j 17:59	0°II	
	-12555 Dec 17 j 12:45	0°♁			-12550 Sep 17 j 05:12	0°☾	
	-12554 Jan 18 j 01:07	0°ℳ			-12550 Oct 17 j 03:12	0°Ω	
max. Earth dist.	-12554 Jan 30 j 05:29	11°ℳ32'44	1.01964 AU		-12550 Nov 16 j 15:29	0°ℳ	
	-12554 Feb 18 j 16:19	0°✕			-12550 Dec 17 j 17:52	0°♁	
	-12554 Mar 22 j 02:20	0°З			-12549 Jan 18 j 06:12	0°ℳ	
	-12554 Apr 22 j 00:47	0°≈		max. Earth dist.	-12549 Jan 30 j 05:52	11°ℳ21'36	1.01963 AU
	-12554 May 22 j 08:41	0°✕			-12549 Feb 18 j 21:24	0°✕	
	-12554 Jun 21 j 02:59	0°Y			-12549 Mar 22 j 07:28	0°З	
	-12554 Jul 20 j 12:07	0°Б			-12549 Apr 22 j 05:58	0°≈	
min. Earth dist.	-12554 Jul 30 j 04:34	9°Б55'43	0.98038 AU		-12549 May 22 j 13:53	0°✕	
	-12554 Aug 18 j 18:42	0°II			-12549 Jun 21 j 08:12	0°Y	
	-12554 Sep 17 j 05:57	0°☾			-12549 Jul 20 j 17:19	0°Б	
	-12554 Oct 17 j 03:58	0°Ω		min. Earth dist.	-12549 Jul 30 j 02:21	9°Б36'34	0.98033 AU
	-12554 Nov 16 j 16:17	0°ℳ			-12549 Aug 18 j 23:52	0°II	
	-12554 Dec 17 j 18:42	0°♁			-12549 Sep 17 j 11:01	0°☾	
	-12553 Jan 18 j 07:01	0°ℳ			-12549 Oct 17 j 08:57	0°Ω	
max. Earth dist.	-12553 Jan 28 j 18:23	9°ℳ55'58	1.01964 AU		-12549 Nov 16 j 21:10	0°ℳ	
	-12553 Feb 18 j 22:09	0°✕			-12549 Dec 17 j 23:32	0°♁	
	-12553 Mar 22 j 08:07	0°З			-12548 Jan 18 j 11:54	0°ℳ	
	-12553 Apr 22 j 06:33	0°≈		max. Earth dist.	-12548 Jan 30 j 00:30	10°ℳ55'37	1.01970 AU
	-12553 May 22 j 14:26	0°✕			-12548 Feb 19 j 03:07	0°✕	
	-12553 Jun 21 j 08:47	0°Y			-12548 Mar 21 j 13:14	0°З	
	-12553 Jul 20 j 17:59	0°Б			-12548 Apr 21 j 11:48	0°≈	
min. Earth dist.	-12553 Jul 31 j 23:45	11°Б31'29	0.98036 AU		-12548 May 21 j 19:47	0°✕	
	-12553 Aug 19 j 00:36	0°II			-12548 Jun 20 j 14:08	0°Y	
	-12553 Sep 17 j 11:50	0°☾			-12548 Jul 19 j 23:17	0°Б	
	-12553 Oct 17 j 09:49	0°Ω		min. Earth dist.	-12548 Jul 31 j 09:27	11°Б42'56	0.98033 AU
	-12553 Nov 16 j 22:05	0°ℳ			-12548 Aug 18 j 05:48	0°II	
	-12553 Dec 18 j 00:27	0°♁			-12548 Sep 16 j 16:56	0°☾	
	-12552 Jan 18 j 12:47	0°ℳ			-12548 Oct 16 j 14:49	0°Ω	
max. Earth dist.	-12552 Jan 29 j 11:37	10°ℳ22'58	1.01960 AU		-12548 Nov 16 j 03:00	0°ℳ	
	-12552 Feb 19 j 03:55	0°✕			-12548 Dec 17 j 05:21	0°♁	
	-12552 Mar 21 j 13:55	0°З			-12547 Jan 17 j 17:42	0°ℳ	
	-12552 Apr 21 j 12:23	0°≈		max. Earth dist.	-12547 Jan 27 j 22:15	9°ℳ39'47	1.01967 AU
	-12552 May 21 j 20:16	0°✕			-12547 Feb 18 j 08:54	0°✕	
	-12552 Jun 20 j 14:34	0°Y			-12547 Mar 21 j 18:58	0°З	
	-12552 Jul 19 j 23:43	0°Б			-12547 Apr 21 j 17:30	0°≈	
min. Earth dist.	-12552 Jul 29 j 12:56	9°Б47'15	0.98033 AU		-12547 May 22 j 01:28	0°✕	
	-12552 Aug 18 j 06:18	0°II			-12547 Jun 20 j 19:49	0°Y	
	-12552 Sep 16 j 17:30	0°☾			-12547 Jul 20 j 04:59	0°Б	
	-12552 Oct 16 j 15:28	0°Ω		min. Earth dist.	-12547 Jul 30 j 14:16	10°Б38'48	0.98030 AU
	-12552 Nov 16 j 03:45	0°ℳ			-12547 Aug 18 j 11:31	0°II	
	-12552 Dec 17 j 06:10	0°♁			-12547 Sep 16 j 22:40	0°☾	
	-12551 Jan 17 j 18:36	0°ℳ			-12547 Oct 16 j 20:34	0°Ω	

Attention, astronomical year style is used: The year -12547 in astronomical counting style is the year 12548 BCE in historical counting style.

	-12547 Nov 16 j 08:47	0°ྐ					-12542 Aug 18 j 16:48	0°ྐ			
	-12547 Dec 17 j 11:09	0°ྐ					-12542 Sep 17 j 04:00	0°ྐ			
	-12546 Jan 17 j 23:31	0°ྐ					-12542 Oct 17 j 01:57	0°ྐ			
max. Earth dist.	-12546 Jan 30 j 07:49	11°ྐ42'02	1.01966 AU				-12542 Nov 16 j 14:10	0°ྐ			
	-12546 Feb 18 j 14:45	0°ྐ					-12542 Dec 17 j 16:30	0°ྐ			
	-12546 Mar 22 j 00:50	0°ྐ					-12541 Jan 18 j 04:47	0°ྐ			
	-12546 Apr 21 j 23:22	0°ྐ				max. Earth dist.	-12541 Jan 29 j 19:19	11°ྐ00'04	1.01959 AU		
	-12546 May 22 j 07:20	0°ྐ					-12541 Feb 18 j 19:55	0°ྐ			
	-12546 Jun 21 j 01:42	0°ྐ					-12541 Mar 22 j 05:57	0°ྐ			
	-12546 Jul 20 j 10:53	0°ྐ					-12541 Apr 22 j 04:28	0°ྐ			
min. Earth dist.	-12546 Jul 30 j 02:12	9°ྐ52'44	0.98038 AU				-12541 May 22 j 12:27	0°ྐ			
	-12546 Aug 18 j 17:29	0°ྐ					-12541 Jun 21 j 06:52	0°ྐ			
	-12546 Sep 17 j 04:40	0°ྐ					-12541 Jul 20 j 16:05	0°ྐ			
	-12546 Oct 17 j 02:34	0°ྐ				min. Earth dist.	-12541 Jul 30 j 06:49	9°ྐ51'05	0.98036 AU		
	-12546 Nov 16 j 14:44	0°ྐ					-12541 Aug 18 j 22:41	0°ྐ			
	-12546 Dec 17 j 17:02	0°ྐ					-12541 Sep 17 j 09:51	0°ྐ			
	-12545 Jan 18 j 05:20	0°ྐ					-12541 Oct 17 j 07:43	0°ྐ			
max. Earth dist.	-12545 Jan 29 j 04:41	10°ྐ24'19	1.01966 AU				-12541 Nov 16 j 19:53	0°ྐ			
	-12545 Feb 18 j 20:30	0°ྐ					-12541 Dec 17 j 22:12	0°ྐ			
	-12545 Mar 22 j 06:34	0°ྐ					-12540 Jan 18 j 10:32	0°ྐ			
	-12545 Apr 22 j 05:06	0°ྐ				max. Earth dist.	-12540 Jan 30 j 07:10	11°ྐ14'34	1.01968 AU		
	-12545 May 22 j 13:05	0°ྐ					-12540 Feb 19 j 01:46	0°ྐ			
	-12545 Jun 21 j 07:29	0°ྐ					-12540 Mar 21 j 11:52	0°ྐ			
	-12545 Jul 20 j 16:43	0°ྐ					-12540 Apr 21 j 10:26	0°ྐ			
min. Earth dist.	-12545 Aug 01 j 04:38	11°ྐ47'15	0.98038 AU				-12540 May 21 j 18:26	0°ྐ			
	-12545 Aug 18 j 23:21	0°ྐ					-12540 Jun 20 j 12:50	0°ྐ			
	-12545 Sep 17 j 10:34	0°ྐ					-12540 Jul 19 j 22:02	0°ྐ			
	-12545 Oct 17 j 08:28	0°ྐ				min. Earth dist.	-12540 Jul 31 j 03:54	11°ྐ31'45	0.98038 AU		
	-12545 Nov 16 j 20:37	0°ྐ					-12540 Aug 18 j 04:38	0°ྐ			
	-12545 Dec 17 j 22:51	0°ྐ					-12540 Sep 16 j 15:47	0°ྐ			
	-12544 Jan 18 j 11:06	0°ྐ					-12540 Oct 16 j 13:40	0°ྐ			
max. Earth dist.	-12544 Jan 29 j 07:29	10°ྐ17'13	1.01960 AU				-12540 Nov 16 j 01:49	0°ྐ			
	-12544 Feb 19 j 02:15	0°ྐ					-12540 Dec 17 j 04:07	0°ྐ			
	-12544 Mar 21 j 12:19	0°ྐ					-12539 Jan 17 j 16:27	0°ྐ			
	-12544 Apr 21 j 10:53	0°ྐ				max. Earth dist.	-12539 Jan 27 j 21:45	9°ྐ41'32	1.01967 AU		
	-12544 May 21 j 18:53	0°ྐ					-12539 Feb 18 j 07:40	0°ྐ			
	-12544 Jun 20 j 13:15	0°ྐ					-12539 Mar 21 j 17:46	0°ྐ			
	-12544 Jul 19 j 22:26	0°ྐ					-12539 Apr 21 j 16:18	0°ྐ			
min. Earth dist.	-12544 Jul 29 j 19:21	10°ྐ07'01	0.98033 AU				-12539 May 22 j 00:15	0°ྐ			
	-12544 Aug 18 j 05:01	0°ྐ					-12539 Jun 20 j 18:36	0°ྐ			
	-12544 Sep 16 j 16:12	0°ྐ					-12539 Jul 20 j 03:46	0°ྐ			
	-12544 Oct 16 j 14:07	0°ྐ				min. Earth dist.	-12539 Jul 30 j 19:33	10°ྐ55'30	0.98032 AU		
	-12544 Nov 16 j 02:19	0°ྐ					-12539 Aug 18 j 10:21	0°ྐ			
	-12544 Dec 17 j 04:37	0°ྐ					-12539 Sep 16 j 21:32	0°ྐ			
	-12543 Jan 17 j 16:57	0°ྐ					-12539 Oct 16 j 19:27	0°ྐ			
max. Earth dist.	-12543 Jan 30 j 00:21	11°ྐ40'00	1.01967 AU				-12539 Nov 16 j 07:39	0°ྐ			
	-12543 Feb 18 j 08:10	0°ྐ					-12539 Dec 17 j 09:58	0°ྐ			
	-12543 Mar 21 j 18:17	0°ྐ					-12538 Jan 17 j 22:19	0°ྐ			
	-12543 Apr 21 j 16:52	0°ྐ				max. Earth dist.	-12538 Jan 30 j 06:39	11°ྐ42'05	1.01965 AU		
	-12543 May 22 j 00:52	0°ྐ					-12538 Feb 18 j 13:34	0°ྐ			
	-12543 Jun 20 j 19:14	0°ྐ					-12538 Mar 21 j 23:42	0°ྐ			
	-12543 Jul 20 j 04:24	0°ྐ					-12538 Apr 21 j 22:16	0°ྐ			
min. Earth dist.	-12543 Jul 30 j 11:08	10°ྐ32'26	0.98037 AU				-12538 May 22 j 06:14	0°ྐ			
	-12543 Aug 18 j 10:57	0°ྐ					-12538 Jun 21 j 00:35	0°ྐ			
	-12543 Sep 16 j 22:08	0°ྐ					-12538 Jul 20 j 09:44	0°ྐ			
	-12543 Oct 16 j 20:04	0°ྐ				min. Earth dist.	-12538 Jul 29 j 19:20	9°ྐ38'04	0.98035 AU		
	-12543 Nov 16 j 08:19	0°ྐ					-12538 Aug 18 j 16:17	0°ྐ			
	-12543 Dec 17 j 10:39	0°ྐ					-12538 Sep 17 j 03:28	0°ྐ			
	-12542 Jan 17 j 22:57	0°ྐ					-12538 Oct 17 j 01:23	0°ྐ			
max. Earth dist.	-12542 Jan 28 j 08:47	9°ྐ52'21	1.01965 AU				-12538 Nov 16 j 13:34	0°ྐ			
	-12542 Feb 18 j 14:06	0°ྐ					-12538 Dec 17 j 15:52	0°ྐ			
	-12542 Mar 22 j 00:07	0°ྐ					-12537 Jan 18 j 04:10	0°ྐ			
	-12542 Apr 21 j 22:38	0°ྐ				max. Earth dist.	-12537 Jan 29 j 12:37	10°ྐ45'51	1.01968 AU		
	-12542 May 22 j 06:36	0°ྐ					-12537 Feb 18 j 19:22	0°ྐ			
	-12542 Jun 21 j 01:00	0°ྐ					-12537 Mar 22 j 05:29	0°ྐ			
	-12542 Jul 20 j 10:12	0°ྐ					-12537 Apr 22 j 04:05	0°ྐ			
min. Earth dist.	-12542 Jul 31 j 13:52	11°ྐ26'03	0.98034 AU				-12537 May 22 j 12:07	0°ྐ			

Attention, astronomical year style is used: The year -12537 in astronomical counting style is the year 12538 BCE in historical counting style.

	-12537 Jun 21 j 06:31	0°Υ			-12532 Mar 21 j 10:35	0°Ϡ		
	-12537 Jul 20 j 15:42	0°Ϡ			-12532 Apr 21 j 09:17	0°≈		
min. Earth dist.	-12537 Aug 01 j 05:22	11°Ϡ51'48	0.98034 AU		-12532 May 21 j 17:24	0°Ϡ		
	-12537 Aug 18 j 22:16	0°Π			-12532 Jun 20 j 11:52	0°Υ		
	-12537 Sep 17 j 09:24	0°Ϡ			-12532 Jul 19 j 21:05	0°Ϡ		
	-12537 Oct 17 j 07:17	0°Ω		min. Earth dist.	-12532 Jul 30 j 22:17	11°Ϡ19'48	0.98038 AU	
	-12537 Nov 16 j 19:25	0°Π			-12532 Aug 18 j 03:39	0°Π		
	-12537 Dec 17 j 21:42	0°Ω			-12532 Sep 16 j 14:46	0°Ϡ		
	-12536 Jan 18 j 09:58	0°Π			-12532 Oct 16 j 12:34	0°Ω		
max. Earth dist.	-12536 Jan 28 j 23:07	10°Π00'08	1.01963 AU		-12532 Nov 16 j 00:39	0°Π		
	-12536 Feb 19 j 01:09	0°Ϡ			-12532 Dec 17 j 02:51	0°Ω		
	-12536 Mar 21 j 11:16	0°Ϡ			-12531 Jan 17 j 15:05	0°Π		
	-12536 Apr 21 j 09:54	0°≈		max. Earth dist.	-12531 Jan 28 j 03:49	9°Π59'13	1.01966 AU	
	-12536 May 21 j 17:58	0°Ϡ			-12531 Feb 18 j 06:17	0°Ϡ		
	-12536 Jun 20 j 12:22	0°Υ			-12531 Mar 21 j 16:25	0°Ϡ		
	-12536 Jul 19 j 21:31	0°Ϡ			-12531 Apr 21 j 15:03	0°≈		
min. Earth dist.	-12536 Jul 30 j 04:09	10°Ϡ31'56	0.98027 AU		-12531 May 21 j 23:08	0°Ϡ		
	-12536 Aug 18 j 04:02	0°Π			-12531 Jun 20 j 17:35	0°Υ		
	-12536 Sep 16 j 15:06	0°Ϡ			-12531 Jul 20 j 02:48	0°Ϡ		
	-12536 Oct 16 j 12:56	0°Ω		min. Earth dist.	-12531 Jul 31 j 05:35	11°Ϡ23'44	0.98032 AU	
	-12536 Nov 16 j 01:04	0°Π			-12531 Aug 18 j 09:21	0°Π		
	-12536 Dec 17 j 03:23	0°Ω			-12531 Sep 16 j 20:29	0°Ϡ		
	-12535 Jan 17 j 15:45	0°Π			-12531 Oct 16 j 18:19	0°Ω		
max. Earth dist.	-12535 Jan 30 j 03:40	11°Π50'37	1.01969 AU		-12531 Nov 16 j 06:27	0°Π		
	-12535 Feb 18 j 07:01	0°Ϡ			-12531 Dec 17 j 08:41	0°Ω		
	-12535 Mar 21 j 17:12	0°Ϡ			-12530 Jan 17 j 20:56	0°Π		
	-12535 Apr 21 j 15:51	0°≈		max. Earth dist.	-12530 Jan 30 j 03:18	11°Π37'33	1.01961 AU	
	-12535 May 21 j 23:55	0°Ϡ			-12530 Feb 18 j 12:07	0°Ϡ		
	-12535 Jun 20 j 18:20	0°Υ			-12530 Mar 21 j 22:14	0°Ϡ		
	-12535 Jul 20 j 03:31	0°Ϡ			-12530 Apr 21 j 20:52	0°≈		
min. Earth dist.	-12535 Jul 30 j 05:58	10°Ϡ21'23	0.98034 AU		-12530 May 22 j 04:57	0°Ϡ		
	-12535 Aug 18 j 10:02	0°Π			-12530 Jun 20 j 23:25	0°Υ		
	-12535 Sep 16 j 21:07	0°Ϡ			-12530 Jul 20 j 08:40	0°Ϡ		
	-12535 Oct 16 j 18:55	0°Ω		min. Earth dist.	-12530 Jul 29 j 23:27	9°Ϡ51'17	0.98037 AU	
	-12535 Nov 16 j 07:04	0°Π			-12530 Aug 18 j 15:14	0°Π		
	-12535 Dec 17 j 09:22	0°Ω			-12530 Sep 17 j 02:22	0°Ϡ		
	-12534 Jan 17 j 21:42	0°Π			-12530 Oct 17 j 00:12	0°Ω		
max. Earth dist.	-12534 Jan 28 j 16:23	10°Π13'15	1.01970 AU		-12530 Nov 16 j 12:18	0°Π		
	-12534 Feb 18 j 12:55	0°Ϡ			-12530 Dec 17 j 14:31	0°Ω		
	-12534 Mar 21 j 23:02	0°Ϡ			-12529 Jan 18 j 02:45	0°Π		
	-12534 Apr 21 j 21:37	0°≈		max. Earth dist.	-12529 Jan 29 j 20:47	11°Π08'31	1.01964 AU	
	-12534 May 22 j 05:39	0°Ϡ			-12529 Feb 18 j 17:55	0°Ϡ		
	-12534 Jun 21 j 00:06	0°Υ			-12529 Mar 22 j 04:01	0°Ϡ		
	-12534 Jul 20 j 09:20	0°Ϡ			-12529 Apr 22 j 02:39	0°≈		
min. Earth dist.	-12534 Jul 31 j 21:31	11°Ϡ47'53	0.98034 AU		-12529 May 22 j 10:45	0°Ϡ		
	-12534 Aug 18 j 15:56	0°Π			-12529 Jun 21 j 05:15	0°Υ		
	-12534 Sep 17 j 03:04	0°Ϡ			-12529 Jul 20 j 14:32	0°Ϡ		
	-12534 Oct 17 j 00:54	0°Ω		min. Earth dist.	-12529 Aug 01 j 07:08	11°Ϡ59'17	0.98040 AU	
	-12534 Nov 16 j 12:59	0°Π			-12529 Aug 18 j 21:09	0°Π		
	-12534 Dec 17 j 15:13	0°Ω			-12529 Sep 17 j 08:17	0°Ϡ		
	-12533 Jan 18 j 03:28	0°Π			-12529 Oct 17 j 06:05	0°Ω		
max. Earth dist.	-12533 Jan 29 j 13:00	10°Π48'16	1.01962 AU		-12529 Nov 16 j 18:09	0°Π		
	-12533 Feb 18 j 18:39	0°Ϡ			-12529 Dec 17 j 20:20	0°Ω		
	-12533 Mar 22 j 04:47	0°Ϡ			-12528 Jan 18 j 08:33	0°Π		
	-12533 Apr 22 j 03:24	0°≈		max. Earth dist.	-12528 Jan 28 j 19:22	9°Π54'40	1.01962 AU	
	-12533 May 22 j 11:28	0°Ϡ			-12528 Feb 18 j 23:42	0°Ϡ		
	-12533 Jun 21 j 05:55	0°Υ			-12528 Mar 21 j 09:48	0°Ϡ		
	-12533 Jul 20 j 15:09	0°Ϡ			-12528 Apr 21 j 08:26	0°≈		
min. Earth dist.	-12533 Jul 30 j 12:38	10°Ϡ08'22	0.98034 AU		-12528 May 21 j 16:31	0°Ϡ		
	-12533 Aug 18 j 21:45	0°Π			-12528 Jun 20 j 10:59	0°Υ		
	-12533 Sep 17 j 08:51	0°Ϡ			-12528 Jul 19 j 20:12	0°Ϡ		
	-12533 Oct 17 j 06:39	0°Ω		min. Earth dist.	-12528 Jul 30 j 10:57	10°Ϡ52'44	0.98033 AU	
	-12533 Nov 16 j 18:42	0°Π			-12528 Aug 18 j 02:47	0°Π		
	-12533 Dec 17 j 20:53	0°Ω			-12528 Sep 16 j 13:54	0°Ϡ		
	-12532 Jan 18 j 09:09	0°Π			-12528 Oct 16 j 11:42	0°Ω		
max. Earth dist.	-12532 Jan 30 j 18:10	11°Π43'52	1.01968 AU		-12528 Nov 15 j 23:46	0°Π		
	-12532 Feb 19 j 00:23	0°Ϡ			-12528 Dec 17 j 02:00	0°Ω		

Attention, astronomical year style is used: The year -12527 in astronomical counting style is the year 12528 BCE in historical counting style.

	-12527 Jan 17 j 14:18	0° \mathbb{M}				-12523 Oct 16 j 16:57	0° Ω		
max. Earth dist.	-12527 Jan 30 j 06:12	12° \mathbb{M} 00'03	1.01967 AU			-12523 Nov 16 j 04:58	0° \mathbb{M}		
	-12527 Feb 18 j 05:33	0° \mathbb{A}				-12523 Dec 17 j 07:10	0° \mathbb{A}		
	-12527 Mar 21 j 15:45	0° \mathbb{B}				-12522 Jan 17 j 19:26	0° \mathbb{M}		
	-12527 Apr 21 j 14:24	0° \approx		max. Earth dist.	-12522 Jan 29 j 20:10	11° \mathbb{M} 24'10	1.01964 AU		
	-12527 May 21 j 22:28	0° \mathbb{H}			-12522 Feb 18 j 10:40	0° \mathbb{A}			
	-12527 Jun 20 j 16:54	0° \mathbb{Y}			-12522 Mar 21 j 20:52	0° \mathbb{B}			
	-12527 Jul 20 j 02:06	0° \mathbb{B}			-12522 Apr 21 j 19:34	0° \approx			
min. Earth dist.	-12527 Jul 29 j 19:39	9° \mathbb{B} 58'28	0.98036 AU		-12522 May 22 j 03:42	0° \mathbb{H}			
	-12527 Aug 18 j 08:39	0° \mathbb{II}			-12522 Jun 20 j 22:13	0° \mathbb{Y}			
	-12527 Sep 16 j 19:46	0° \mathbb{B}			-12522 Jul 20 j 07:29	0° \mathbb{B}			
	-12527 Oct 16 j 17:36	0° Ω		min. Earth dist.	-12522 Jul 30 j 02:44	10° \mathbb{B} 02'40	0.98036 AU		
	-12527 Nov 16 j 05:43	0° \mathbb{M}			-12522 Aug 18 j 14:05	0° \mathbb{II}			
	-12527 Dec 17 j 07:58	0° \mathbb{A}			-12522 Sep 17 j 01:10	0° \mathbb{B}			
max. Earth dist.	-12526 Jan 17 j 20:15	0° \mathbb{M}			-12522 Oct 16 j 22:55	0° Ω			
	-12526 Jan 29 j 00:16	10° \mathbb{M} 35'24	1.01969 AU		-12522 Nov 16 j 10:54	0° \mathbb{M}			
	-12526 Feb 18 j 11:27	0° \mathbb{A}			-12522 Dec 17 j 13:02	0° \mathbb{A}			
	-12526 Mar 21 j 21:36	0° \mathbb{B}			-12521 Jan 18 j 01:15	0° \mathbb{M}			
	-12526 Apr 21 j 20:14	0° \approx		max. Earth dist.	-12521 Jan 30 j 07:37	11° \mathbb{M} 37'42	1.01967 AU		
	-12526 May 22 j 04:17	0° \mathbb{H}			-12521 Feb 18 j 16:28	0° \mathbb{A}			
	-12526 Jun 20 j 22:43	0° \mathbb{Y}			-12521 Mar 22 j 02:41	0° \mathbb{B}			
	-12526 Jul 20 j 07:56	0° \mathbb{B}			-12521 Apr 22 j 01:25	0° \approx			
min. Earth dist.	-12526 Jul 31 j 22:29	11° \mathbb{B} 54'03	0.98034 AU		-12521 May 22 j 09:35	0° \mathbb{H}			
	-12526 Aug 18 j 14:31	0° \mathbb{II}			-12521 Jun 21 j 04:08	0° \mathbb{Y}			
	-12526 Sep 17 j 01:39	0° \mathbb{B}			-12521 Jul 20 j 13:26	0° \mathbb{B}			
	-12526 Oct 16 j 23:29	0° Ω		min. Earth dist.	-12521 Aug 01 j 03:09	11° \mathbb{B} 51'51	0.98040 AU		
	-12526 Nov 16 j 11:35	0° \mathbb{M}			-12521 Aug 18 j 20:03	0° \mathbb{II}			
	-12526 Dec 17 j 13:47	0° \mathbb{A}			-12521 Sep 17 j 07:09	0° \mathbb{B}			
	-12525 Jan 18 j 02:01	0° \mathbb{M}			-12521 Oct 17 j 04:54	0° Ω			
max. Earth dist.	-12525 Jan 29 j 01:05	10° \mathbb{M} 23'32	1.01962 AU		-12521 Nov 16 j 16:52	0° \mathbb{M}			
	-12525 Feb 18 j 17:12	0° \mathbb{A}			-12521 Dec 17 j 18:58	0° \mathbb{A}			
	-12525 Mar 22 j 03:21	0° \mathbb{B}			-12520 Jan 18 j 07:08	0° \mathbb{M}			
	-12525 Apr 22 j 02:01	0° \approx		max. Earth dist.	-12520 Jan 28 j 23:01	10° \mathbb{M} 06'42	1.01963 AU		
	-12525 May 22 j 10:08	0° \mathbb{H}			-12520 Feb 18 j 22:19	0° \mathbb{A}			
	-12525 Jun 21 j 04:36	0° \mathbb{Y}			-12520 Mar 21 j 08:30	0° \mathbb{B}			
	-12525 Jul 20 j 13:49	0° \mathbb{B}			-12520 Apr 21 j 07:15	0° \approx			
min. Earth dist.	-12525 Jul 30 j 18:07	10° \mathbb{B} 25'57	0.98030 AU		-12520 May 21 j 15:26	0° \mathbb{H}			
	-12525 Aug 18 j 20:20	0° \mathbb{II}			-12520 Jun 20 j 09:57	0° \mathbb{Y}			
	-12525 Sep 17 j 07:24	0° \mathbb{B}			-12520 Jul 19 j 19:11	0° \mathbb{B}			
	-12525 Oct 17 j 05:09	0° Ω		min. Earth dist.	-12520 Jul 30 j 19:23	11° \mathbb{B} 17'01	0.98031 AU		
	-12525 Nov 16 j 17:12	0° \mathbb{M}			-12520 Aug 18 j 01:45	0° \mathbb{II}			
	-12525 Dec 17 j 19:24	0° \mathbb{A}			-12520 Sep 16 j 12:49	0° \mathbb{B}			
	-12524 Jan 18 j 07:40	0° \mathbb{M}			-12520 Oct 16 j 10:35	0° Ω			
max. Earth dist.	-12524 Jan 30 j 22:36	11° \mathbb{M} 57'50	1.01969 AU		-12520 Nov 15 j 22:35	0° \mathbb{M}			
	-12524 Feb 18 j 22:55	0° \mathbb{A}			-12520 Dec 17 j 00:45	0° \mathbb{A}			
	-12524 Mar 21 j 09:09	0° \mathbb{B}			-12519 Jan 17 j 12:58	0° \mathbb{M}			
	-12524 Apr 21 j 07:55	0° \approx		max. Earth dist.	-12519 Jan 30 j 07:59	12° \mathbb{M} 07'26	1.01964 AU		
	-12524 May 21 j 16:06	0° \mathbb{H}			-12519 Feb 18 j 04:12	0° \mathbb{A}			
	-12524 Jun 20 j 10:37	0° \mathbb{Y}			-12519 Mar 21 j 14:26	0° \mathbb{B}			
	-12524 Jul 19 j 19:50	0° \mathbb{B}			-12519 Apr 21 j 13:12	0° \approx			
min. Earth dist.	-12524 Jul 30 j 15:12	11° \mathbb{B} 04'49	0.98034 AU		-12519 May 21 j 21:24	0° \mathbb{H}			
	-12524 Aug 18 j 02:20	0° \mathbb{II}			-12519 Jun 20 j 15:55	0° \mathbb{Y}			
	-12524 Sep 16 j 13:21	0° \mathbb{B}			-12519 Jul 20 j 01:09	0° \mathbb{B}			
	-12524 Oct 16 j 11:05	0° Ω		min. Earth dist.	-12519 Jul 29 j 20:06	10° \mathbb{B} 01'59	0.98035 AU		
	-12524 Nov 15 j 23:06	0° \mathbb{M}			-12519 Aug 18 j 07:41	0° \mathbb{II}			
	-12524 Dec 17 j 01:19	0° \mathbb{A}			-12519 Sep 16 j 18:45	0° \mathbb{B}			
	-12523 Jan 17 j 13:36	0° \mathbb{M}			-12519 Oct 16 j 16:31	0° Ω			
max. Earth dist.	-12523 Jan 28 j 07:28	10° \mathbb{M} 11'22	1.01970 AU		-12519 Nov 16 j 04:34	0° \mathbb{M}			
	-12523 Feb 18 j 04:50	0° \mathbb{A}			-12519 Dec 17 j 06:46	0° \mathbb{A}			
	-12523 Mar 21 j 15:02	0° \mathbb{B}			-12518 Jan 17 j 19:00	0° \mathbb{M}			
	-12523 Apr 21 j 13:44	0° \approx		max. Earth dist.	-12518 Jan 29 j 08:25	10° \mathbb{M} 57'38	1.01966 AU		
	-12523 May 21 j 21:52	0° \mathbb{H}			-12518 Feb 18 j 10:11	0° \mathbb{A}			
	-12523 Jun 20 j 16:22	0° \mathbb{Y}			-12518 Mar 21 j 20:20	0° \mathbb{B}			
	-12523 Jul 20 j 01:37	0° \mathbb{B}			-12518 Apr 21 j 19:02	0° \approx			
min. Earth dist.	-12523 Jul 31 j 14:13	11° \mathbb{B} 48'59	0.98031 AU		-12518 May 22 j 03:12	0° \mathbb{H}			
	-12523 Aug 18 j 08:09	0° \mathbb{II}			-12518 Jun 20 j 21:45	0° \mathbb{Y}			
	-12523 Sep 16 j 19:13	0° \mathbb{B}			-12518 Jul 20 j 07:02	0° \mathbb{B}			

Attention, astronomical year style is used: The year -12518 in astronomical counting style is the year 12519 BCE in historical counting style.

min. Earth dist.	-12518 Aug 01 j 04:22	12°♄11'26	0.98037 AU				-12513 May 22 j 08:32	0°♄			
	-12518 Aug 18 j 13:37	0°♄					-12513 Jun 21 j 03:07	0°♄			
	-12518 Sep 17 j 00:43	0°♄					-12513 Jul 20 j 12:23	0°♄			
	-12518 Oct 16 j 22:28	0°♄		min. Earth dist.			-12513 Jul 31 j 21:15	11°♄39'26	0.98037 AU		
	-12518 Nov 16 j 10:29	0°♄					-12513 Aug 18 j 18:56	0°♄			
	-12518 Dec 17 j 12:39	0°♄					-12513 Sep 17 j 05:57	0°♄			
	-12517 Jan 18 j 00:51	0°♄					-12513 Oct 17 j 03:38	0°♄			
max. Earth dist.	-12517 Jan 28 j 16:49	10°♄06'48	1.01961 AU				-12513 Nov 16 j 15:35	0°♄			
	-12517 Feb 18 j 16:01	0°♄					-12513 Dec 17 j 17:41	0°♄			
	-12517 Mar 22 j 02:09	0°♄					-12512 Jan 18 j 05:51	0°♄			
	-12517 Apr 22 j 00:50	0°♄		max. Earth dist.			-12512 Jan 29 j 00:12	10°♄12'34	1.01965 AU		
	-12517 May 22 j 09:01	0°♄					-12512 Feb 18 j 21:03	0°♄			
	-12517 Jun 21 j 03:34	0°♄					-12512 Mar 21 j 07:16	0°♄			
	-12517 Jul 20 j 12:52	0°♄					-12512 Apr 21 j 06:04	0°♄			
min. Earth dist.	-12517 Jul 31 j 02:50	10°♄50'40	0.98033 AU				-12512 May 21 j 14:19	0°♄			
	-12517 Aug 18 j 19:27	0°♄					-12512 Jun 20 j 08:54	0°♄			
	-12517 Sep 17 j 06:30	0°♄					-12512 Jul 19 j 18:09	0°♄			
	-12517 Oct 17 j 04:11	0°♄		min. Earth dist.			-12512 Jul 31 j 05:50	11°♄46'34	0.98029 AU		
	-12517 Nov 16 j 16:09	0°♄					-12512 Aug 18 j 00:40	0°♄			
	-12517 Dec 17 j 18:17	0°♄					-12512 Sep 16 j 11:39	0°♄			
	-12516 Jan 18 j 06:31	0°♄					-12512 Oct 16 j 09:18	0°♄			
max. Earth dist.	-12516 Jan 31 j 02:52	12°♄10'38	1.01967 AU				-12512 Nov 15 j 21:14	0°♄			
	-12516 Feb 18 j 21:46	0°♄					-12512 Dec 16 j 23:21	0°♄			
	-12516 Mar 21 j 08:01	0°♄					-12511 Jan 17 j 11:35	0°♄			
	-12516 Apr 21 j 06:47	0°♄		max. Earth dist.			-12511 Jan 30 j 03:01	11°♄58'59	1.01965 AU		
	-12516 May 21 j 14:59	0°♄					-12511 Feb 18 j 02:50	0°♄			
	-12516 Jun 20 j 09:32	0°♄					-12511 Mar 21 j 13:06	0°♄			
	-12516 Jul 19 j 18:48	0°♄					-12511 Apr 21 j 11:55	0°♄			
min. Earth dist.	-12516 Jul 30 j 03:59	10°♄38'36	0.98037 AU				-12511 May 21 j 20:10	0°♄			
	-12516 Aug 18 j 01:22	0°♄					-12511 Jun 20 j 14:45	0°♄			
	-12516 Sep 16 j 12:24	0°♄					-12511 Jul 20 j 00:01	0°♄			
	-12516 Oct 16 j 10:06	0°♄		min. Earth dist.			-12511 Jul 29 j 22:27	10°♄10'52	0.98034 AU		
	-12516 Nov 15 j 22:04	0°♄					-12511 Aug 18 j 06:33	0°♄			
	-12516 Dec 17 j 00:13	0°♄					-12511 Sep 16 j 17:33	0°♄			
	-12515 Jan 17 j 12:28	0°♄					-12511 Oct 16 j 15:12	0°♄			
max. Earth dist.	-12515 Jan 28 j 14:53	10°♄31'36	1.01970 AU				-12511 Nov 16 j 03:08	0°♄			
	-12515 Feb 18 j 03:43	0°♄					-12511 Dec 17 j 05:16	0°♄			
	-12515 Mar 21 j 13:57	0°♄					-12510 Jan 17 j 17:29	0°♄			
	-12515 Apr 21 j 12:40	0°♄		max. Earth dist.			-12510 Jan 29 j 18:00	11°♄23'52	1.01969 AU		
	-12515 May 21 j 20:49	0°♄					-12510 Feb 18 j 08:43	0°♄			
	-12515 Jun 20 j 15:19	0°♄					-12510 Mar 21 j 18:57	0°♄			
	-12515 Jul 20 j 00:33	0°♄					-12510 Apr 21 j 17:43	0°♄			
min. Earth dist.	-12515 Jul 31 j 17:08	11°♄59'13	0.98033 AU				-12510 May 22 j 01:56	0°♄			
	-12515 Aug 18 j 07:07	0°♄					-12510 Jun 20 j 20:32	0°♄			
	-12515 Sep 16 j 18:12	0°♄					-12510 Jul 20 j 05:51	0°♄			
	-12515 Oct 16 j 15:56	0°♄		min. Earth dist.			-12510 Aug 01 j 04:54	12°♄15'48	0.98039 AU		
	-12515 Nov 16 j 03:56	0°♄					-12510 Aug 18 j 12:27	0°♄			
	-12515 Dec 17 j 06:04	0°♄					-12510 Sep 16 j 23:31	0°♄			
	-12514 Jan 17 j 18:18	0°♄					-12510 Oct 16 j 21:12	0°♄			
max. Earth dist.	-12514 Jan 29 j 11:13	11°♄05'44	1.01964 AU				-12510 Nov 16 j 09:06	0°♄			
	-12514 Feb 18 j 09:31	0°♄					-12510 Dec 17 j 11:09	0°♄			
	-12514 Mar 21 j 19:45	0°♄					-12509 Jan 17 j 23:19	0°♄			
	-12514 Apr 21 j 18:30	0°♄		max. Earth dist.			-12509 Jan 28 j 17:42	10°♄12'37	1.01963 AU		
	-12514 May 22 j 02:40	0°♄					-12509 Feb 18 j 14:30	0°♄			
	-12514 Jun 20 j 21:11	0°♄					-12509 Mar 22 j 00:42	0°♄			
	-12514 Jul 20 j 06:25	0°♄					-12509 Apr 21 j 23:29	0°♄			
min. Earth dist.	-12514 Jul 30 j 05:25	10°♄12'18	0.98032 AU				-12509 May 22 j 07:43	0°♄			
	-12514 Aug 18 j 12:58	0°♄					-12509 Jun 21 j 02:19	0°♄			
	-12514 Sep 17 j 00:01	0°♄					-12509 Jul 20 j 11:38	0°♄			
	-12514 Oct 16 j 21:45	0°♄		min. Earth dist.			-12509 Jul 31 j 09:50	11°♄11'49	0.98033 AU		
	-12514 Nov 16 j 09:43	0°♄					-12509 Aug 18 j 18:13	0°♄			
	-12514 Dec 17 j 11:50	0°♄					-12509 Sep 17 j 05:14	0°♄			
	-12513 Jan 18 j 00:01	0°♄					-12509 Oct 17 j 02:53	0°♄			
max. Earth dist.	-12513 Jan 30 j 15:12	11°♄58'30	1.01966 AU				-12509 Nov 16 j 14:45	0°♄			
	-12513 Feb 18 j 15:14	0°♄					-12509 Dec 17 j 16:47	0°♄			
	-12513 Mar 22 j 01:29	0°♄					-12508 Jan 18 j 04:56	0°♄			
	-12513 Apr 22 j 00:17	0°♄		max. Earth dist.			-12508 Jan 31 j 09:01	12°♄28'59	1.01965 AU		

Attention, astronomical year style is used: The year -12508 in astronomical counting style is the year 12509 BCE in historical counting style.

	-12508 Feb 18 j 20:10	0°♂					-12504 Dec 16 j 21:59	0°♂			
	-12508 Mar 21 j 06:28	0°♂					-12503 Jan 17 j 10:11	0°♂			
	-12508 Apr 21 j 05:20	0°♂				max. Earth dist.	-12503 Jan 29 j 20:33	11°♂46'59	1.01966 AU		
	-12508 May 21 j 13:38	0°♂					-12503 Feb 18 j 01:28	0°♂			
	-12508 Jun 20 j 08:15	0°♂					-12503 Mar 21 j 11:46	0°♂			
	-12508 Jul 19 j 17:32	0°♂					-12503 Apr 21 j 10:37	0°♂			
min. Earth dist.	-12508 Jul 29 j 21:11	10°♂24'21	0.98036 AU				-12503 May 21 j 18:53	0°♂			
	-12508 Aug 18 j 00:04	0°♂					-12503 Jun 20 j 13:28	0°♂			
	-12508 Sep 16 j 11:05	0°♂					-12503 Jul 19 j 22:43	0°♂			
	-12508 Oct 16 j 08:44	0°♂				min. Earth dist.	-12503 Jul 29 j 21:11	10°♂10'57	0.98032 AU		
	-12508 Nov 15 j 20:39	0°♂					-12503 Aug 18 j 05:15	0°♂			
	-12508 Dec 16 j 22:43	0°♂					-12503 Sep 16 j 16:15	0°♂			
	-12507 Jan 17 j 10:54	0°♂					-12503 Oct 16 j 13:54	0°♂			
max. Earth dist.	-12507 Jan 28 j 23:26	10°♂55'34	1.01968 AU				-12503 Nov 16 j 01:49	0°♂			
	-12507 Feb 18 j 02:08	0°♂					-12503 Dec 17 j 03:55	0°♂			
	-12507 Mar 21 j 12:23	0°♂					-12502 Jan 17 j 16:07	0°♂			
	-12507 Apr 21 j 11:12	0°♂				max. Earth dist.	-12502 Jan 30 j 03:19	11°♂49'07	1.01969 AU		
	-12507 May 21 j 19:27	0°♂					-12502 Feb 18 j 07:22	0°♂			
	-12507 Jun 20 j 14:03	0°♂					-12502 Mar 21 j 17:40	0°♂			
	-12507 Jul 19 j 23:20	0°♂					-12502 Apr 21 j 16:31	0°♂			
min. Earth dist.	-12507 Jul 31 j 23:12	12°♂17'57	0.98033 AU				-12502 May 22 j 00:47	0°♂			
	-12507 Aug 18 j 05:53	0°♂					-12502 Jun 20 j 19:24	0°♂			
	-12507 Sep 16 j 16:54	0°♂					-12502 Jul 20 j 04:41	0°♂			
	-12507 Oct 16 j 14:35	0°♂				min. Earth dist.	-12502 Jul 31 j 23:30	12°♂05'00	0.98036 AU		
	-12507 Nov 16 j 02:31	0°♂					-12502 Aug 18 j 11:14	0°♂			
	-12507 Dec 17 j 04:37	0°♂					-12502 Sep 16 j 22:15	0°♂			
	-12506 Jan 17 j 16:48	0°♂					-12502 Oct 16 j 19:54	0°♂			
max. Earth dist.	-12506 Jan 28 j 23:23	10°♂41'24	1.01962 AU				-12502 Nov 16 j 07:48	0°♂			
	-12506 Feb 18 j 07:59	0°♂					-12502 Dec 17 j 09:51	0°♂			
	-12506 Mar 21 j 18:12	0°♂					-12501 Jan 17 j 22:00	0°♂			
	-12506 Apr 21 j 16:59	0°♂				max. Earth dist.	-12501 Jan 28 j 17:23	10°♂14'58	1.01964 AU		
	-12506 May 22 j 01:15	0°♂					-12501 Feb 18 j 13:12	0°♂			
	-12506 Jun 20 j 19:51	0°♂					-12501 Mar 21 j 23:28	0°♂			
	-12506 Jul 20 j 05:10	0°♂					-12501 Apr 21 j 22:20	0°♂			
min. Earth dist.	-12506 Jul 30 j 14:18	10°♂38'15	0.98033 AU				-12501 May 22 j 06:39	0°♂			
	-12506 Aug 18 j 11:44	0°♂					-12501 Jun 21 j 01:18	0°♂			
	-12506 Sep 16 j 22:45	0°♂					-12501 Jul 20 j 10:36	0°♂			
	-12506 Oct 16 j 20:24	0°♂				min. Earth dist.	-12501 Jul 31 j 18:55	11°♂37'54	0.98029 AU		
	-12506 Nov 16 j 08:18	0°♂					-12501 Aug 18 j 17:06	0°♂			
	-12506 Dec 17 j 10:22	0°♂					-12501 Sep 17 j 04:02	0°♂			
	-12505 Jan 17 j 22:32	0°♂					-12501 Oct 17 j 01:36	0°♂			
max. Earth dist.	-12505 Jan 30 j 19:53	12°♂13'07	1.01964 AU				-12501 Nov 16 j 13:26	0°♂			
	-12505 Feb 18 j 13:44	0°♂					-12501 Dec 17 j 15:27	0°♂			
	-12505 Mar 21 j 23:58	0°♂					-12500 Jan 18 j 03:37	0°♂			
	-12505 Apr 21 j 22:48	0°♂				max. Earth dist.	-12500 Jan 31 j 08:32	12°♂30'53	1.01966 AU		
	-12505 May 22 j 07:05	0°♂					-12500 Feb 18 j 18:53	0°♂			
	-12505 Jun 21 j 01:45	0°♂					-12500 Mar 21 j 05:15	0°♂			
	-12505 Jul 20 j 11:06	0°♂					-12500 Apr 21 j 04:11	0°♂			
min. Earth dist.	-12505 Jul 31 j 14:10	11°♂24'28	0.98040 AU				-12500 May 21 j 12:35	0°♂			
	-12505 Aug 18 j 17:41	0°♂					-12500 Jun 20 j 07:16	0°♂			
	-12505 Sep 17 j 04:42	0°♂					-12500 Jul 19 j 16:34	0°♂			
	-12505 Oct 17 j 02:20	0°♂				min. Earth dist.	-12500 Jul 29 j 22:06	10°♂29'07	0.98033 AU		
	-12505 Nov 16 j 14:12	0°♂					-12500 Aug 17 j 23:04	0°♂			
	-12505 Dec 17 j 16:15	0°♂					-12500 Sep 16 j 09:59	0°♂			
	-12504 Jan 18 j 04:25	0°♂					-12500 Oct 16 j 07:31	0°♂			
max. Earth dist.	-12504 Jan 29 j 04:30	10°♂26'06	1.01966 AU				-12500 Nov 15 j 19:20	0°♂			
	-12504 Feb 18 j 19:38	0°♂					-12500 Dec 16 j 21:23	0°♂			
	-12504 Mar 21 j 05:53	0°♂					-12499 Jan 17 j 09:36	0°♂			
	-12504 Apr 21 j 04:42	0°♂				max. Earth dist.	-12499 Jan 29 j 07:18	11°♂17'13	1.01972 AU		
	-12504 May 21 j 12:58	0°♂					-12499 Feb 18 j 00:53	0°♂			
	-12504 Jun 20 j 07:34	0°♂					-12499 Mar 21 j 11:12	0°♂			
	-12504 Jul 19 j 16:52	0°♂					-12499 Apr 21 j 10:06	0°♂			
min. Earth dist.	-12504 Jul 31 j 11:44	12°♂05'02	0.98032 AU				-12499 May 21 j 18:26	0°♂			
	-12504 Aug 17 j 23:25	0°♂					-12499 Jun 20 j 13:06	0°♂			
	-12504 Sep 16 j 10:25	0°♂					-12499 Jul 19 j 22:26	0°♂			
	-12504 Oct 16 j 08:02	0°♂				min. Earth dist.	-12499 Aug 01 j 05:07	12°♂35'27	0.98034 AU		
	-12504 Nov 15 j 19:55	0°♂					-12499 Aug 18 j 04:59	0°♂			

Attention, astronomical year style is used: The year -12489 in astronomical counting style is the year 12490 BCE in historical counting style.

	-12489 Apr 21 j 20:21	0°≈		max. Earth dist.	-12484 Jan 31 j 02:26	12°♌23'11	1.01962 AU
	-12489 May 22 j 04:48	0°✕			-12484 Feb 18 j 16:03	0°♈	
	-12489 Jun 20 j 23:32	0°♑			-12484 Mar 21 j 02:28	0°♈	
	-12489 Jul 20 j 08:53	0°♋			-12484 Apr 21 j 01:31	0°≈	
min. Earth dist.	-12489 Jul 30 j 23:01	10°♋51'13	0.98035 AU		-12484 May 21 j 10:01	0°✕	
	-12489 Aug 18 j 15:24	0°♊			-12484 Jun 20 j 04:48	0°♑	
	-12489 Sep 17 j 02:18	0°♎			-12484 Jul 19 j 14:10	0°♋	
	-12489 Oct 16 j 23:47	0°♏		min. Earth dist.	-12484 Jul 29 j 21:55	10°♋34'43	0.98034 AU
	-12489 Nov 16 j 11:32	0°♐			-12484 Aug 17 j 20:42	0°♊	
	-12489 Dec 17 j 13:29	0°♑			-12484 Sep 16 j 07:36	0°♎	
	-12488 Jan 18 j 01:36	0°♌			-12484 Oct 16 j 05:05	0°♏	
max. Earth dist.	-12488 Jan 29 j 20:48	11°♌11'22	1.01969 AU		-12484 Nov 15 j 16:48	0°♐	
	-12488 Feb 18 j 16:51	0°♈			-12484 Dec 16 j 18:43	0°♑	
	-12488 Mar 21 j 03:13	0°♈			-12483 Jan 17 j 06:49	0°♌	
	-12488 Apr 21 j 02:12	0°≈		max. Earth dist.	-12483 Jan 30 j 01:26	12°♌06'42	1.01968 AU
	-12488 May 21 j 10:39	0°✕			-12483 Feb 17 j 22:04	0°♈	
	-12488 Jun 20 j 05:23	0°♑			-12483 Mar 21 j 08:27	0°♈	
	-12488 Jul 19 j 14:43	0°♋			-12483 Apr 21 j 07:27	0°≈	
min. Earth dist.	-12488 Aug 01 j 01:17	12°♋45'23	0.98030 AU		-12483 May 21 j 15:55	0°✕	
	-12488 Aug 17 j 21:13	0°♊			-12483 Jun 20 j 10:41	0°♑	
	-12488 Sep 16 j 08:05	0°♎			-12483 Jul 19 j 20:04	0°♋	
	-12488 Oct 16 j 05:33	0°♏		min. Earth dist.	-12483 Aug 01 j 02:08	12°♋33'49	0.98037 AU
	-12488 Nov 15 j 17:17	0°♐			-12483 Aug 18 j 02:36	0°♊	
	-12488 Dec 16 j 19:14	0°♑			-12483 Sep 16 j 13:32	0°♎	
	-12487 Jan 17 j 07:23	0°♌			-12483 Oct 16 j 11:03	0°♏	
max. Earth dist.	-12487 Jan 29 j 02:54	11°♌11'57	1.01966 AU		-12483 Nov 15 j 22:48	0°♐	
	-12487 Feb 17 j 22:39	0°♈			-12483 Dec 17 j 00:44	0°♑	
	-12487 Mar 21 j 09:01	0°♈			-12482 Jan 17 j 12:50	0°♌	
	-12487 Apr 21 j 08:01	0°≈		max. Earth dist.	-12482 Jan 28 j 13:49	10°♌28'18	1.01964 AU
	-12487 May 21 j 16:27	0°✕			-12482 Feb 18 j 04:02	0°♈	
	-12487 Jun 20 j 11:12	0°♑			-12482 Mar 21 j 14:21	0°♈	
	-12487 Jul 19 j 20:34	0°♋			-12482 Apr 21 j 13:18	0°≈	
min. Earth dist.	-12487 Jul 30 j 12:31	10°♋55'44	0.98031 AU		-12482 May 21 j 21:45	0°✕	
	-12487 Aug 18 j 03:05	0°♊			-12482 Jun 20 j 16:31	0°♑	
	-12487 Sep 16 j 13:59	0°♎			-12482 Jul 20 j 01:56	0°♋	
	-12487 Oct 16 j 11:27	0°♏		min. Earth dist.	-12482 Jul 31 j 14:31	11°♋48'43	0.98033 AU
	-12487 Nov 15 j 23:10	0°♐			-12482 Aug 18 j 08:30	0°♊	
	-12487 Dec 17 j 01:06	0°♑			-12482 Sep 16 j 19:26	0°♎	
	-12486 Jan 17 j 13:14	0°♌			-12482 Oct 16 j 16:55	0°♏	
max. Earth dist.	-12486 Jan 30 j 19:30	12°♌34'13	1.01967 AU		-12482 Nov 16 j 04:36	0°♐	
	-12486 Feb 18 j 04:29	0°♈			-12482 Dec 17 j 06:29	0°♑	
	-12486 Mar 21 j 14:51	0°♈			-12481 Jan 17 j 18:32	0°♌	
	-12486 Apr 21 j 13:49	0°≈		max. Earth dist.	-12481 Jan 31 j 06:39	12°♌48'03	1.01962 AU
	-12486 May 21 j 22:16	0°✕			-12481 Feb 18 j 09:44	0°♈	
	-12486 Jun 20 j 17:01	0°♑			-12481 Mar 21 j 20:05	0°♈	
	-12486 Jul 20 j 02:26	0°♋			-12481 Apr 21 j 19:05	0°≈	
min. Earth dist.	-12486 Jul 31 j 13:50	11°♋45'49	0.98041 AU		-12481 May 22 j 03:35	0°✕	
	-12486 Aug 18 j 09:01	0°♊			-12481 Jun 20 j 22:23	0°♑	
	-12486 Sep 16 j 19:58	0°♎			-12481 Jul 20 j 07:50	0°♋	
	-12486 Oct 16 j 17:29	0°♏		min. Earth dist.	-12481 Jul 30 j 19:22	10°♋44'27	0.98039 AU
	-12486 Nov 16 j 05:11	0°♐			-12481 Aug 18 j 14:25	0°♊	
	-12486 Dec 17 j 07:05	0°♑			-12481 Sep 17 j 01:20	0°♎	
	-12485 Jan 17 j 19:09	0°♌			-12481 Oct 16 j 22:48	0°♏	
max. Earth dist.	-12485 Jan 29 j 02:28	10°♌43'20	1.01965 AU		-12481 Nov 16 j 10:29	0°♐	
	-12485 Feb 18 j 10:22	0°♈			-12481 Dec 17 j 12:22	0°♑	
	-12485 Mar 21 j 20:42	0°♈			-12480 Jan 18 j 00:27	0°♌	
	-12485 Apr 21 j 19:40	0°≈		max. Earth dist.	-12480 Jan 30 j 04:47	11°♌32'58	1.01968 AU
	-12485 May 22 j 04:07	0°✕			-12480 Feb 18 j 15:42	0°♈	
	-12485 Jun 20 j 22:53	0°♑			-12480 Mar 21 j 02:05	0°♈	
	-12485 Jul 20 j 08:17	0°♋			-12480 Apr 21 j 01:05	0°≈	
min. Earth dist.	-12485 Aug 01 j 11:24	12°♋26'06	0.98034 AU		-12480 May 21 j 09:32	0°✕	
	-12485 Aug 18 j 14:52	0°♊			-12480 Jun 20 j 04:17	0°♑	
	-12485 Sep 17 j 01:47	0°♎			-12480 Jul 19 j 13:40	0°♋	
	-12485 Oct 16 j 23:15	0°♏		min. Earth dist.	-12480 Aug 01 j 01:49	12°♋49'25	0.98034 AU
	-12485 Nov 16 j 10:55	0°♐			-12480 Aug 17 j 20:13	0°♊	
	-12485 Dec 17 j 12:47	0°♑			-12480 Sep 16 j 07:07	0°♎	
	-12484 Jan 18 j 00:49	0°♌			-12480 Oct 16 j 04:36	0°♏	

Attention, astronomical year style is used: The year -12480 in astronomical counting style is the year 12481 BCE in historical counting style.

	-12480 Nov 15 j 16:18	0° \mathbb{M}				-12475 Aug 18 j 01:34	0° \mathbb{I}			
	-12480 Dec 16 j 18:12	0° \mathbb{L}				-12475 Sep 16 j 12:26	0° \mathbb{G}			
	-12479 Jan 17 j 06:18	0° \mathbb{M}				-12475 Oct 16 j 09:51	0° \mathbb{O}			
max. Earth dist.	-12479 Jan 28 j 19:23	10° \mathbb{M} 56'47	1.01966 AU			-12475 Nov 15 j 21:29	0° \mathbb{M}			
	-12479 Feb 17 j 21:34	0° \mathbb{J}				-12475 Dec 16 j 23:21	0° \mathbb{L}			
	-12479 Mar 21 j 07:58	0° \mathbb{Z}				-12474 Jan 17 j 11:26	0° \mathbb{M}			
	-12479 Apr 21 j 06:58	0° \mathbb{A}			max. Earth dist.	-12474 Jan 28 j 17:59	10° \mathbb{M} 41'29	1.01967 AU		
	-12479 May 21 j 15:25	0° \mathbb{H}				-12474 Feb 18 j 02:41	0° \mathbb{J}			
	-12479 Jun 20 j 10:09	0° \mathbb{Y}				-12474 Mar 21 j 13:05	0° \mathbb{Z}			
	-12479 Jul 19 j 19:29	0° \mathbb{B}				-12474 Apr 21 j 12:07	0° \mathbb{A}			
min. Earth dist.	-12479 Jul 30 j 16:28	11° \mathbb{B} 08'40	0.98031 AU			-12474 May 21 j 20:37	0° \mathbb{H}			
	-12479 Aug 18 j 02:01	0° \mathbb{I}				-12474 Jun 20 j 15:25	0° \mathbb{Y}			
	-12479 Sep 16 j 12:55	0° \mathbb{G}				-12474 Jul 20 j 00:51	0° \mathbb{B}			
	-12479 Oct 16 j 10:25	0° \mathbb{O}			min. Earth dist.	-12474 Jul 31 j 22:47	12° \mathbb{B} 12'46	0.98034 AU		
	-12479 Nov 15 j 22:09	0° \mathbb{M}				-12474 Aug 18 j 07:25	0° \mathbb{I}			
	-12479 Dec 17 j 00:03	0° \mathbb{L}				-12474 Sep 16 j 18:18	0° \mathbb{G}			
	-12478 Jan 17 j 12:08	0° \mathbb{M}				-12474 Oct 16 j 15:42	0° \mathbb{O}			
max. Earth dist.	-12478 Jan 31 j 00:28	12° \mathbb{M} 48'32	1.01966 AU			-12474 Nov 16 j 03:16	0° \mathbb{M}			
	-12478 Feb 18 j 03:23	0° \mathbb{J}				-12474 Dec 17 j 05:02	0° \mathbb{L}			
	-12478 Mar 21 j 13:47	0° \mathbb{Z}				-12473 Jan 17 j 17:02	0° \mathbb{M}			
	-12478 Apr 21 j 12:48	0° \mathbb{A}			max. Earth dist.	-12473 Jan 31 j 08:36	12° \mathbb{M} 56'14	1.01962 AU		
	-12478 May 21 j 21:17	0° \mathbb{H}				-12473 Feb 18 j 08:15	0° \mathbb{J}			
	-12478 Jun 20 j 16:03	0° \mathbb{Y}				-12473 Mar 21 j 18:41	0° \mathbb{Z}			
	-12478 Jul 20 j 01:25	0° \mathbb{B}				-12473 Apr 21 j 17:47	0° \mathbb{A}			
min. Earth dist.	-12478 Jul 31 j 02:47	11° \mathbb{B} 20'06	0.98037 AU			-12473 May 22 j 02:22	0° \mathbb{H}			
	-12478 Aug 18 j 07:57	0° \mathbb{I}				-12473 Jun 20 j 21:13	0° \mathbb{Y}			
	-12478 Sep 16 j 18:52	0° \mathbb{G}				-12473 Jul 20 j 06:39	0° \mathbb{B}			
	-12478 Oct 16 j 16:21	0° \mathbb{O}			min. Earth dist.	-12473 Jul 30 j 18:38	10° \mathbb{B} 45'32	0.98037 AU		
	-12478 Nov 16 j 04:04	0° \mathbb{M}				-12473 Aug 18 j 13:13	0° \mathbb{I}			
	-12478 Dec 17 j 05:59	0° \mathbb{L}				-12473 Sep 17 j 00:06	0° \mathbb{G}			
	-12477 Jan 17 j 18:03	0° \mathbb{M}				-12473 Oct 16 j 21:30	0° \mathbb{O}			
max. Earth dist.	-12477 Jan 29 j 07:37	10° \mathbb{M} 58'06	1.01966 AU			-12473 Nov 16 j 09:06	0° \mathbb{M}			
	-12477 Feb 18 j 09:16	0° \mathbb{J}				-12473 Dec 17 j 10:53	0° \mathbb{L}			
	-12477 Mar 21 j 19:38	0° \mathbb{Z}				-12472 Jan 17 j 22:54	0° \mathbb{M}			
	-12477 Apr 21 j 18:40	0° \mathbb{A}			max. Earth dist.	-12472 Jan 30 j 15:48	12° \mathbb{M} 02'44	1.01967 AU		
	-12477 May 22 j 03:10	0° \mathbb{H}				-12472 Feb 18 j 14:08	0° \mathbb{J}			
	-12477 Jun 20 j 21:58	0° \mathbb{Y}				-12472 Mar 21 j 00:35	0° \mathbb{Z}			
	-12477 Jul 20 j 07:21	0° \mathbb{B}				-12472 Apr 20 j 23:42	0° \mathbb{A}			
min. Earth dist.	-12477 Aug 01 j 18:54	12° \mathbb{B} 47'51	0.98030 AU			-12472 May 21 j 08:17	0° \mathbb{H}			
	-12477 Aug 18 j 13:51	0° \mathbb{I}				-12472 Jun 20 j 03:07	0° \mathbb{Y}			
	-12477 Sep 17 j 00:41	0° \mathbb{G}				-12472 Jul 19 j 12:30	0° \mathbb{B}			
	-12477 Oct 16 j 22:04	0° \mathbb{O}			min. Earth dist.	-12472 Aug 01 j 04:27	12° \mathbb{B} 59'13	0.98034 AU		
	-12477 Nov 16 j 09:43	0° \mathbb{M}				-12472 Aug 17 j 19:01	0° \mathbb{I}			
	-12477 Dec 17 j 11:34	0° \mathbb{L}				-12472 Sep 16 j 05:52	0° \mathbb{G}			
	-12476 Jan 17 j 23:39	0° \mathbb{M}				-12472 Oct 16 j 03:16	0° \mathbb{O}			
max. Earth dist.	-12476 Jan 30 j 14:59	11° \mathbb{M} 58'51	1.01965 AU			-12472 Nov 15 j 14:54	0° \mathbb{M}			
	-12476 Feb 18 j 14:54	0° \mathbb{J}				-12472 Dec 16 j 16:44	0° \mathbb{L}			
	-12476 Mar 21 j 01:20	0° \mathbb{Z}				-12471 Jan 17 j 04:46	0° \mathbb{M}			
	-12476 Apr 21 j 00:26	0° \mathbb{A}			max. Earth dist.	-12471 Jan 28 j 16:00	10° \mathbb{M} 52'31	1.01964 AU		
	-12476 May 21 j 09:00	0° \mathbb{H}				-12471 Feb 17 j 19:59	0° \mathbb{J}			
	-12476 Jun 20 j 03:49	0° \mathbb{Y}				-12471 Mar 21 j 06:24	0° \mathbb{Z}			
	-12476 Jul 19 j 13:12	0° \mathbb{B}				-12471 Apr 21 j 05:29	0° \mathbb{A}			
min. Earth dist.	-12476 Jul 30 j 04:06	10° \mathbb{B} 53'04	0.98030 AU			-12471 May 21 j 14:03	0° \mathbb{H}			
	-12476 Aug 17 j 19:41	0° \mathbb{I}				-12471 Jun 20 j 08:53	0° \mathbb{Y}			
	-12476 Sep 16 j 06:30	0° \mathbb{G}				-12471 Jul 19 j 18:17	0° \mathbb{B}			
	-12476 Oct 16 j 03:52	0° \mathbb{O}			min. Earth dist.	-12471 Jul 31 j 03:08	11° \mathbb{B} 39'06	0.98030 AU		
	-12476 Nov 15 j 15:30	0° \mathbb{M}				-12471 Aug 18 j 00:48	0° \mathbb{I}			
	-12476 Dec 16 j 17:23	0° \mathbb{L}				-12471 Sep 16 j 11:39	0° \mathbb{G}			
	-12475 Jan 17 j 05:31	0° \mathbb{M}				-12471 Oct 16 j 09:03	0° \mathbb{O}			
max. Earth dist.	-12475 Jan 30 j 09:07	12° \mathbb{M} 27'55	1.01971 AU			-12471 Nov 15 j 20:42	0° \mathbb{M}			
	-12475 Feb 17 j 20:49	0° \mathbb{J}				-12471 Dec 16 j 22:32	0° \mathbb{L}			
	-12475 Mar 21 j 07:15	0° \mathbb{Z}				-12470 Jan 17 j 10:34	0° \mathbb{M}			
	-12475 Apr 21 j 06:18	0° \mathbb{A}			max. Earth dist.	-12470 Jan 31 j 03:10	12° \mathbb{M} 58'41	1.01963 AU		
	-12475 May 21 j 14:50	0° \mathbb{H}				-12470 Feb 18 j 01:47	0° \mathbb{J}			
	-12475 Jun 20 j 09:38	0° \mathbb{Y}				-12470 Mar 21 j 12:10	0° \mathbb{Z}			
	-12475 Jul 19 j 19:03	0° \mathbb{B}				-12470 Apr 21 j 11:14	0° \mathbb{A}			
min. Earth dist.	-12475 Jul 31 j 22:39	12° \mathbb{B} 27'28	0.98037 AU			-12470 May 21 j 19:48	0° \mathbb{H}			

Attention, astronomical year style is used: The year -12470 in astronomical counting style is the year 12471 BCE in historical counting style.

	-12470 Jun 20 j 14:40	0°Υ					-12465 Mar 21 j 17:20	0°Ξ			
	-12470 Jul 20 j 00:08	0°Ϡ					-12465 Apr 21 j 16:31	0°≈			
min. Earth dist.	-12470 Jul 30 j 23:20	11°Ϡ14'23	0.98040 AU				-12465 May 22 j 01:10	0°Ϡ			
	-12470 Aug 18 j 06:43	0°Π					-12465 Jun 20 j 20:05	0°Υ			
	-12470 Sep 16 j 17:35	0°Ϡ					-12465 Jul 20 j 05:32	0°Ϡ			
	-12470 Oct 16 j 15:00	0°Ω				min. Earth dist.	-12465 Jul 30 j 22:15	10°Ϡ57'42	0.98033 AU		
	-12470 Nov 16 j 02:37	0°Ϡ					-12465 Aug 18 j 12:03	0°Π			
	-12470 Dec 17 j 04:27	0°Ϡ					-12465 Sep 16 j 22:51	0°Ϡ			
	-12469 Jan 17 j 16:29	0°Ϡ					-12465 Oct 16 j 20:11	0°Ω			
max. Earth dist.	-12469 Jan 29 j 14:55	11°Ϡ19'06	1.01966 AU				-12465 Nov 16 j 07:43	0°Ϡ			
	-12469 Feb 18 j 07:42	0°Ϡ					-12465 Dec 17 j 09:30	0°Ϡ			
	-12469 Mar 21 j 18:05	0°Ξ					-12464 Jan 17 j 21:32	0°Ϡ			
	-12469 Apr 21 j 17:08	0°≈				max. Earth dist.	-12464 Jan 30 j 23:02	12°Ϡ23'03	1.01969 AU		
	-12469 May 22 j 01:41	0°Ϡ					-12464 Feb 18 j 12:48	0°Ϡ			
	-12469 Jun 20 j 20:33	0°Υ					-12464 Mar 20 j 23:17	0°Ξ			
	-12469 Jul 20 j 06:00	0°Ϡ					-12464 Apr 20 j 22:28	0°≈			
min. Earth dist.	-12469 Aug 02 j 00:18	13°Ϡ05'06	0.98035 AU				-12464 May 21 j 07:08	0°Ϡ			
	-12469 Aug 18 j 12:34	0°Π					-12464 Jun 20 j 02:02	0°Υ			
	-12469 Sep 16 j 23:24	0°Ϡ					-12464 Jul 19 j 11:28	0°Ϡ			
	-12469 Oct 16 j 20:45	0°Ω				min. Earth dist.	-12464 Aug 01 j 05:56	13°Ϡ05'37	0.98034 AU		
	-12469 Nov 16 j 08:19	0°Ϡ					-12464 Aug 17 j 17:58	0°Π			
	-12469 Dec 17 j 10:06	0°Ϡ					-12464 Sep 16 j 04:45	0°Ϡ			
	-12468 Jan 17 j 22:08	0°Ϡ					-12464 Oct 16 j 02:04	0°Ω			
max. Earth dist.	-12468 Jan 30 j 06:07	11°Ϡ41'31	1.01964 AU				-12464 Nov 15 j 13:37	0°Ϡ			
	-12468 Feb 18 j 13:23	0°Ϡ					-12464 Dec 16 j 15:24	0°Ϡ			
	-12468 Mar 20 j 23:50	0°Ξ					-12463 Jan 17 j 03:27	0°Ϡ			
	-12468 Apr 20 j 22:57	0°≈				max. Earth dist.	-12463 Jan 28 j 15:00	10°Ϡ53'16	1.01968 AU		
	-12468 May 21 j 07:32	0°Ϡ					-12463 Feb 17 j 18:44	0°Ϡ			
	-12468 Jun 20 j 02:23	0°Υ					-12463 Mar 21 j 05:12	0°Ξ			
	-12468 Jul 19 j 11:48	0°Ϡ					-12463 Apr 21 j 04:20	0°≈			
min. Earth dist.	-12468 Jul 30 j 07:27	11°Ϡ05'12	0.98032 AU				-12463 May 21 j 12:58	0°Ϡ			
	-12468 Aug 17 j 18:20	0°Π					-12463 Jun 20 j 07:52	0°Υ			
	-12468 Sep 16 j 05:11	0°Ϡ					-12463 Jul 19 j 17:19	0°Ϡ			
	-12468 Oct 16 j 02:33	0°Ω				min. Earth dist.	-12463 Jul 31 j 12:15	12°Ϡ04'58	0.98031 AU		
	-12468 Nov 15 j 14:07	0°Ϡ					-12463 Aug 17 j 23:51	0°Π			
	-12468 Dec 16 j 15:56	0°Ϡ					-12463 Sep 16 j 10:40	0°Ϡ			
	-12467 Jan 17 j 04:01	0°Ϡ					-12463 Oct 16 j 08:00	0°Ω			
max. Earth dist.	-12467 Jan 30 j 17:24	12°Ϡ51'03	1.01970 AU				-12463 Nov 15 j 19:32	0°Ϡ			
	-12467 Feb 17 j 19:19	0°Ϡ					-12463 Dec 16 j 21:17	0°Ϡ			
	-12467 Mar 21 j 05:48	0°Ξ					-12462 Jan 17 j 09:17	0°Ϡ			
	-12467 Apr 21 j 04:55	0°≈				max. Earth dist.	-12462 Jan 31 j 06:48	13°Ϡ10'18	1.01964 AU		
	-12467 May 21 j 13:28	0°Ϡ					-12462 Feb 18 j 00:31	0°Ϡ			
	-12467 Jun 20 j 08:17	0°Υ					-12462 Mar 21 j 10:59	0°Ξ			
	-12467 Jul 19 j 17:41	0°Ϡ					-12462 Apr 21 j 10:08	0°≈			
min. Earth dist.	-12467 Jul 31 j 10:54	12°Ϡ00'47	0.98037 AU				-12462 May 21 j 18:45	0°Ϡ			
	-12467 Aug 18 j 00:12	0°Π					-12462 Jun 20 j 13:40	0°Υ			
	-12467 Sep 16 j 11:04	0°Ϡ					-12462 Jul 19 j 23:10	0°Ϡ			
	-12467 Oct 16 j 08:29	0°Ω				min. Earth dist.	-12462 Jul 30 j 18:23	11°Ϡ04'06	0.98040 AU		
	-12467 Nov 15 j 20:06	0°Ϡ					-12462 Aug 18 j 05:46	0°Π			
	-12467 Dec 16 j 21:56	0°Ϡ					-12462 Sep 16 j 16:38	0°Ϡ			
	-12466 Jan 17 j 09:59	0°Ϡ					-12462 Oct 16 j 13:59	0°Ω			
max. Earth dist.	-12466 Jan 28 j 22:29	10°Ϡ55'33	1.01968 AU				-12462 Nov 16 j 01:31	0°Ϡ			
	-12466 Feb 18 j 01:15	0°Ϡ					-12462 Dec 17 j 03:15	0°Ϡ			
	-12466 Mar 21 j 11:42	0°Ξ					-12461 Jan 17 j 15:15	0°Ϡ			
	-12466 Apr 21 j 10:48	0°≈				max. Earth dist.	-12461 Jan 30 j 02:06	11°Ϡ48'32	1.01966 AU		
	-12466 May 21 j 19:22	0°Ϡ					-12461 Feb 18 j 06:28	0°Ϡ			
	-12466 Jun 20 j 14:12	0°Υ					-12461 Mar 21 j 16:55	0°Ξ			
	-12466 Jul 19 j 23:37	0°Ϡ					-12461 Apr 21 j 16:04	0°≈			
min. Earth dist.	-12466 Aug 01 j 05:47	12°Ϡ33'59	0.98031 AU				-12461 May 22 j 00:43	0°Ϡ			
	-12466 Aug 18 j 06:08	0°Π					-12461 Jun 20 j 19:38	0°Υ			
	-12466 Sep 16 j 16:59	0°Ϡ					-12461 Jul 20 j 05:06	0°Ϡ			
	-12466 Oct 16 j 14:20	0°Ω				min. Earth dist.	-12461 Aug 02 j 02:55	13°Ϡ14'10	0.98036 AU		
	-12466 Nov 16 j 01:54	0°Ϡ					-12461 Aug 18 j 11:39	0°Π			
	-12466 Dec 17 j 03:40	0°Ϡ					-12461 Sep 16 j 22:29	0°Ϡ			
	-12465 Jan 17 j 15:39	0°Ϡ					-12461 Oct 16 j 19:48	0°Ω			
max. Earth dist.	-12465 Jan 31 j 01:57	12°Ϡ43'47	1.01962 AU				-12461 Nov 16 j 07:18	0°Ϡ			
	-12465 Feb 18 j 06:52	0°Ϡ					-12461 Dec 17 j 09:01	0°Ϡ			

Attention, astronomical year style is used: The year -12460 in astronomical counting style is the year 12461 BCE in historical counting style.

	-12460 Jan 17 j 20:58	0° \mathbb{M}					-12456 Oct 16 j 00:52	0° Ω			
max. Earth dist.	-12460 Jan 30 j 00:28	11° \mathbb{M} 31'01	1.01962 AU				-12456 Nov 15 j 12:23	0° \mathbb{M}			
	-12460 Feb 18 j 12:12	0° \mathbb{A}					-12456 Dec 16 j 14:08	0° \mathbb{A}			
	-12460 Mar 20 j 22:41	0° \mathbb{B}					-12455 Jan 17 j 02:09	0° \mathbb{M}			
	-12460 Apr 20 j 21:53	0° \approx			max. Earth dist.		-12455 Jan 28 j 17:24	11° \mathbb{M} 02'04	1.01969 AU		
	-12460 May 21 j 06:34	0° \mathbb{H}					-12455 Feb 17 j 17:27	0° \mathbb{A}			
	-12460 Jun 20 j 01:29	0° \mathbb{Y}					-12455 Mar 21 j 03:58	0° \mathbb{B}			
	-12460 Jul 19 j 10:56	0° \mathbb{B}					-12455 Apr 21 j 03:09	0° \approx			
min. Earth dist.	-12460 Jul 30 j 15:40	11° \mathbb{B} 28'31	0.98031 AU				-12455 May 21 j 11:47	0° \mathbb{H}			
	-12460 Aug 17 j 17:27	0° \mathbb{II}					-12455 Jun 20 j 06:40	0° \mathbb{Y}			
	-12460 Sep 16 j 04:15	0° \mathbb{B}					-12455 Jul 19 j 16:05	0° \mathbb{B}			
	-12460 Oct 16 j 01:34	0° Ω			min. Earth dist.		-12455 Jul 31 j 17:27	12° \mathbb{B} 21'36	0.98029 AU		
	-12460 Nov 15 j 13:06	0° \mathbb{M}					-12455 Aug 17 j 22:35	0° \mathbb{II}			
	-12460 Dec 16 j 14:52	0° \mathbb{A}					-12455 Sep 16 j 09:22	0° \mathbb{B}			
	-12459 Jan 17 j 02:53	0° \mathbb{M}					-12455 Oct 16 j 06:41	0° Ω			
max. Earth dist.	-12459 Jan 30 j 22:56	13° \mathbb{M} 06'52	1.01966 AU				-12455 Nov 15 j 18:11	0° \mathbb{M}			
	-12459 Feb 17 j 18:08	0° \mathbb{A}					-12455 Dec 16 j 19:55	0° \mathbb{A}			
	-12459 Mar 21 j 04:36	0° \mathbb{B}					-12454 Jan 17 j 07:53	0° \mathbb{M}			
	-12459 Apr 21 j 03:46	0° \approx			max. Earth dist.		-12454 Jan 31 j 05:57	13° \mathbb{M} 11'39	1.01964 AU		
	-12459 May 21 j 12:25	0° \mathbb{H}					-12454 Feb 17 j 23:07	0° \mathbb{A}			
	-12459 Jun 20 j 07:20	0° \mathbb{Y}					-12454 Mar 21 j 09:38	0° \mathbb{B}			
	-12459 Jul 19 j 16:47	0° \mathbb{B}					-12454 Apr 21 j 08:50	0° \approx			
min. Earth dist.	-12459 Jul 31 j 05:59	11° \mathbb{B} 50'25	0.98038 AU				-12454 May 21 j 17:31	0° \mathbb{H}			
	-12459 Aug 17 j 23:19	0° \mathbb{II}					-12454 Jun 20 j 12:27	0° \mathbb{Y}			
	-12459 Sep 16 j 10:08	0° \mathbb{B}					-12454 Jul 19 j 21:54	0° \mathbb{B}			
	-12459 Oct 16 j 07:29	0° Ω			min. Earth dist.		-12454 Jul 30 j 16:42	11° \mathbb{B} 03'03	0.98034 AU		
	-12459 Nov 15 j 19:03	0° \mathbb{M}					-12454 Aug 18 j 04:25	0° \mathbb{II}			
	-12459 Dec 16 j 20:51	0° \mathbb{A}					-12454 Sep 16 j 15:12	0° \mathbb{B}			
	-12458 Jan 17 j 08:53	0° \mathbb{M}					-12454 Oct 16 j 12:30	0° Ω			
max. Earth dist.	-12458 Jan 29 j 02:45	11° \mathbb{M} 08'19	1.01966 AU				-12454 Nov 15 j 24:00	0° \mathbb{M}			
	-12458 Feb 18 j 00:06	0° \mathbb{A}					-12454 Dec 17 j 01:43	0° \mathbb{A}			
	-12458 Mar 21 j 10:32	0° \mathbb{B}					-12453 Jan 17 j 13:43	0° \mathbb{M}			
	-12458 Apr 21 j 09:39	0° \approx			max. Earth dist.		-12453 Jan 30 j 10:00	12° \mathbb{M} 10'47	1.01968 AU		
	-12458 May 21 j 18:16	0° \mathbb{H}					-12453 Feb 18 j 04:58	0° \mathbb{A}			
	-12458 Jun 20 j 13:11	0° \mathbb{Y}					-12453 Mar 21 j 15:29	0° \mathbb{B}			
	-12458 Jul 19 j 22:40	0° \mathbb{B}					-12453 Apr 21 j 14:43	0° \approx			
min. Earth dist.	-12458 Aug 01 j 14:36	12° \mathbb{B} 59'01	0.98035 AU				-12453 May 21 j 23:26	0° \mathbb{H}			
	-12458 Aug 18 j 05:13	0° \mathbb{II}					-12453 Jun 20 j 18:25	0° \mathbb{Y}			
	-12458 Sep 16 j 16:03	0° \mathbb{B}					-12453 Jul 20 j 03:52	0° \mathbb{B}			
	-12458 Oct 16 j 13:21	0° Ω			min. Earth dist.		-12453 Aug 02 j 06:53	13° \mathbb{B} 27'32	0.98032 AU		
	-12458 Nov 16 j 00:50	0° \mathbb{M}					-12453 Aug 18 j 10:21	0° \mathbb{II}			
	-12458 Dec 17 j 02:33	0° \mathbb{A}					-12453 Sep 16 j 21:04	0° \mathbb{B}			
	-12457 Jan 17 j 14:31	0° \mathbb{M}					-12453 Oct 16 j 18:17	0° Ω			
max. Earth dist.	-12457 Jan 30 j 15:06	12° \mathbb{M} 20'52	1.01961 AU				-12453 Nov 16 j 05:43	0° \mathbb{M}			
	-12457 Feb 18 j 05:43	0° \mathbb{A}					-12453 Dec 17 j 07:24	0° \mathbb{A}			
	-12457 Mar 21 j 16:10	0° \mathbb{B}					-12452 Jan 17 j 19:23	0° \mathbb{M}			
	-12457 Apr 21 j 15:20	0° \approx			max. Earth dist.		-12452 Jan 29 j 18:01	11° \mathbb{M} 19'32	1.01966 AU		
	-12457 May 22 j 00:00	0° \mathbb{H}					-12452 Feb 18 j 10:39	0° \mathbb{A}			
	-12457 Jun 20 j 18:57	0° \mathbb{Y}					-12452 Mar 20 j 21:11	0° \mathbb{B}			
	-12457 Jul 20 j 04:27	0° \mathbb{B}					-12452 Apr 20 j 20:28	0° \approx			
min. Earth dist.	-12457 Jul 31 j 00:51	11° \mathbb{B} 07'06	0.98035 AU				-12452 May 21 j 05:13	0° \mathbb{H}			
	-12457 Aug 18 j 11:00	0° \mathbb{II}					-12452 Jun 20 j 00:13	0° \mathbb{Y}			
	-12457 Sep 16 j 21:49	0° \mathbb{B}					-12452 Jul 19 j 09:42	0° \mathbb{B}			
	-12457 Oct 16 j 19:06	0° Ω			min. Earth dist.		-12452 Jul 31 j 02:32	11° \mathbb{B} 59'35	0.98029 AU		
	-12457 Nov 16 j 06:34	0° \mathbb{M}					-12452 Aug 17 j 16:11	0° \mathbb{II}			
	-12457 Dec 17 j 08:17	0° \mathbb{A}					-12452 Sep 16 j 02:53	0° \mathbb{B}			
	-12456 Jan 17 j 20:18	0° \mathbb{M}					-12452 Oct 16 j 00:05	0° Ω			
max. Earth dist.	-12456 Jan 31 j 07:07	12° \mathbb{M} 45'05	1.01969 AU				-12452 Nov 15 j 11:29	0° \mathbb{M}			
	-12456 Feb 18 j 11:34	0° \mathbb{A}					-12452 Dec 16 j 13:10	0° \mathbb{A}			
	-12456 Mar 20 j 22:06	0° \mathbb{B}					-12451 Jan 17 j 01:11	0° \mathbb{M}			
	-12456 Apr 20 j 21:17	0° \approx			max. Earth dist.		-12451 Jan 31 j 03:34	13° \mathbb{M} 21'47	1.01968 AU		
	-12456 May 21 j 05:56	0° \mathbb{H}					-12451 Feb 17 j 16:29	0° \mathbb{A}			
	-12456 Jun 20 j 00:49	0° \mathbb{Y}					-12451 Mar 21 j 03:02	0° \mathbb{B}			
	-12456 Jul 19 j 10:15	0° \mathbb{B}					-12451 Apr 21 j 02:17	0° \approx			
min. Earth dist.	-12456 Jul 31 j 21:00	12° \mathbb{B} 45'47	0.98036 AU				-12451 May 21 j 11:00	0° \mathbb{H}			
	-12456 Aug 17 j 16:46	0° \mathbb{II}					-12451 Jun 20 j 05:59	0° \mathbb{Y}			
	-12456 Sep 16 j 03:33	0° \mathbb{B}					-12451 Jul 19 j 15:30	0° \mathbb{B}			

Attention, astronomical year style is used: The year -12451 in astronomical counting style is the year 12452 BCE in historical counting style.

min. Earth dist.	-12451 Jul 31 j 01:09	11° ♁ 41'12	0.98038 AU			-12446 May 21 j 16:12	0° ♁		
	-12451 Aug 17 j 22:02	0° ♁				-12446 Jun 20 j 11:14	0° ♁		
	-12451 Sep 16 j 08:48	0° ♁				-12446 Jul 19 j 20:47	0° ♁		
	-12451 Oct 16 j 06:02	0° ♁		min. Earth dist.		-12446 Jul 30 j 19:36	11° ♁ 13'15	0.98038 AU	
	-12451 Nov 15 j 17:29	0° ♁				-12446 Aug 18 j 03:22	0° ♁		
	-12451 Dec 16 j 19:10	0° ♁				-12446 Sep 16 j 14:10	0° ♁		
	-12450 Jan 17 j 07:09	0° ♁				-12446 Oct 16 j 11:25	0° ♁		
max. Earth dist.	-12450 Jan 29 j 13:14	11° ♁ 37'12	1.01969 AU			-12446 Nov 15 j 22:51	0° ♁		
	-12450 Feb 17 j 22:26	0° ♁				-12446 Dec 17 j 00:31	0° ♁		
	-12450 Mar 21 j 08:57	0° ♁				-12445 Jan 17 j 12:29	0° ♁		
	-12450 Apr 21 j 08:11	0° ♁		max. Earth dist.		-12445 Jan 30 j 16:58	12° ♁ 30'09	1.01967 AU	
	-12450 May 21 j 16:53	0° ♁				-12445 Feb 18 j 03:44	0° ♁		
	-12450 Jun 20 j 11:52	0° ♁				-12445 Mar 21 j 14:14	0° ♁		
	-12450 Jul 19 j 21:23	0° ♁				-12445 Apr 21 j 13:28	0° ♁		
min. Earth dist.	-12450 Aug 01 j 20:43	13° ♁ 17'57	0.98037 AU			-12445 May 21 j 22:13	0° ♁		
	-12450 Aug 18 j 03:58	0° ♁				-12445 Jun 20 j 17:14	0° ♁		
	-12450 Sep 16 j 14:46	0° ♁				-12445 Jul 20 j 02:45	0° ♁		
	-12450 Oct 16 j 12:00	0° ♁		min. Earth dist.		-12445 Aug 02 j 04:37	13° ♁ 24'31	0.98037 AU	
	-12450 Nov 15 j 23:23	0° ♁				-12445 Aug 18 j 09:17	0° ♁		
	-12450 Dec 17 j 00:58	0° ♁				-12445 Sep 16 j 20:03	0° ♁		
	-12449 Jan 17 j 12:50	0° ♁				-12445 Oct 16 j 17:15	0° ♁		
max. Earth dist.	-12449 Jan 30 j 11:05	12° ♁ 15'25	1.01960 AU			-12445 Nov 16 j 04:38	0° ♁		
	-12449 Feb 18 j 04:02	0° ♁				-12445 Dec 17 j 06:17	0° ♁		
	-12449 Mar 21 j 14:34	0° ♁				-12444 Jan 17 j 18:15	0° ♁		
	-12449 Apr 21 j 13:51	0° ♁		max. Earth dist.		-12444 Jan 29 j 15:33	11° ♁ 16'24	1.01967 AU	
	-12449 May 21 j 22:38	0° ♁				-12444 Feb 18 j 09:32	0° ♁		
	-12449 Jun 20 j 17:39	0° ♁				-12444 Mar 20 j 20:06	0° ♁		
	-12449 Jul 20 j 03:11	0° ♁				-12444 Apr 20 j 19:22	0° ♁		
min. Earth dist.	-12449 Jul 31 j 06:17	11° ♁ 24'13	0.98035 AU			-12444 May 21 j 04:07	0° ♁		
	-12449 Aug 18 j 09:45	0° ♁				-12444 Jun 19 j 23:06	0° ♁		
	-12449 Sep 16 j 20:32	0° ♁				-12444 Jul 19 j 08:35	0° ♁		
	-12449 Oct 16 j 17:47	0° ♁		min. Earth dist.		-12444 Jul 31 j 07:23	12° ♁ 14'55	0.98030 AU	
	-12449 Nov 16 j 05:11	0° ♁				-12444 Aug 17 j 15:06	0° ♁		
	-12449 Dec 17 j 06:47	0° ♁				-12444 Sep 16 j 01:51	0° ♁		
	-12448 Jan 17 j 18:42	0° ♁				-12444 Oct 15 j 23:03	0° ♁		
max. Earth dist.	-12448 Jan 31 j 17:14	13° ♁ 12'50	1.01965 AU			-12444 Nov 15 j 10:27	0° ♁		
	-12448 Feb 18 j 09:57	0° ♁				-12444 Dec 16 j 12:06	0° ♁		
	-12448 Mar 20 j 20:30	0° ♁				-12443 Jan 17 j 00:05	0° ♁		
	-12448 Apr 20 j 19:48	0° ♁		max. Earth dist.		-12443 Jan 31 j 05:02	13° ♁ 27'52	1.01968 AU	
	-12448 May 21 j 04:35	0° ♁				-12443 Feb 17 j 15:24	0° ♁		
	-12448 Jun 19 j 23:35	0° ♁				-12443 Mar 21 j 01:59	0° ♁		
	-12448 Jul 19 j 09:04	0° ♁				-12443 Apr 21 j 01:16	0° ♁		
min. Earth dist.	-12448 Jul 31 j 15:16	12° ♁ 34'03	0.98037 AU			-12443 May 21 j 10:00	0° ♁		
	-12448 Aug 17 j 15:35	0° ♁				-12443 Jun 20 j 04:58	0° ♁		
	-12448 Sep 16 j 02:21	0° ♁				-12443 Jul 19 j 14:26	0° ♁		
	-12448 Oct 15 j 23:37	0° ♁		min. Earth dist.		-12443 Jul 30 j 16:04	11° ♁ 20'37	0.98034 AU	
	-12448 Nov 15 j 11:05	0° ♁				-12443 Aug 17 j 20:56	0° ♁		
	-12448 Dec 16 j 12:46	0° ♁				-12443 Sep 16 j 07:42	0° ♁		
	-12447 Jan 17 j 00:44	0° ♁				-12443 Oct 16 j 04:56	0° ♁		
max. Earth dist.	-12447 Jan 28 j 21:09	11° ♁ 14'22	1.01966 AU			-12443 Nov 15 j 16:23	0° ♁		
	-12447 Feb 17 j 15:58	0° ♁				-12443 Dec 16 j 18:05	0° ♁		
	-12447 Mar 21 j 02:28	0° ♁				-12442 Jan 17 j 06:04	0° ♁		
	-12447 Apr 21 j 01:43	0° ♁		max. Earth dist.		-12442 Jan 29 j 21:06	11° ♁ 58'21	1.01970 AU	
	-12447 May 21 j 10:28	0° ♁				-12442 Feb 17 j 21:22	0° ♁		
	-12447 Jun 20 j 05:28	0° ♁				-12442 Mar 21 j 07:56	0° ♁		
	-12447 Jul 19 j 14:58	0° ♁				-12442 Apr 21 j 07:14	0° ♁		
min. Earth dist.	-12447 Aug 01 j 03:32	12° ♁ 50'18	0.98032 AU			-12442 May 21 j 15:59	0° ♁		
	-12447 Aug 17 j 21:30	0° ♁				-12442 Jun 20 j 10:58	0° ♁		
	-12447 Sep 16 j 08:16	0° ♁				-12442 Jul 19 j 20:27	0° ♁		
	-12447 Oct 16 j 05:31	0° ♁		min. Earth dist.		-12442 Aug 01 j 23:38	13° ♁ 27'58	0.98032 AU	
	-12447 Nov 15 j 16:58	0° ♁				-12442 Aug 18 j 02:57	0° ♁		
	-12447 Dec 16 j 18:39	0° ♁				-12442 Sep 16 j 13:40	0° ♁		
	-12446 Jan 17 j 06:34	0° ♁				-12442 Oct 16 j 10:51	0° ♁		
max. Earth dist.	-12446 Jan 30 j 22:36	12° ♁ 57'23	1.01960 AU			-12442 Nov 15 j 22:13	0° ♁		
	-12446 Feb 17 j 21:46	0° ♁				-12442 Dec 16 j 23:49	0° ♁		
	-12446 Mar 21 j 08:14	0° ♁				-12441 Jan 17 j 11:44	0° ♁		
	-12446 Apr 21 j 07:28	0° ♁		max. Earth dist.		-12441 Jan 30 j 00:31	11° ♁ 53'01	1.01963 AU	

Attention, astronomical year style is used: The year -12441 in astronomical counting style is the year 12442 BCE in historical counting style.

	-12441 Feb 18 j 02:58	0°♌			-12437 Dec 17 j 04:54	0°♊		
	-12441 Mar 21 j 13:32	0°♈			-12436 Jan 17 j 16:46	0°♐		
	-12441 Apr 21 j 12:52	0°♍		max. Earth dist.	-12436 Jan 29 j 19:35	11°♐29'32	1.01965 AU	
	-12441 May 21 j 21:43	0°♋			-12436 Feb 18 j 08:01	0°♌		
	-12441 Jun 20 j 16:47	0°♎			-12436 Mar 20 j 18:37	0°♈		
	-12441 Jul 20 j 02:18	0°♉			-12436 Apr 20 j 17:59	0°♍		
min. Earth dist.	-12441 Jul 31 j 14:59	11°♉48'52	0.98030 AU		-12436 May 21 j 02:52	0°♋		
	-12441 Aug 18 j 08:48	0°♊			-12436 Jun 19 j 21:57	0°♎		
	-12441 Sep 16 j 19:29	0°♏			-12436 Jul 19 j 07:29	0°♉		
	-12441 Oct 16 j 16:37	0°♈		min. Earth dist.	-12436 Jul 31 j 17:16	12°♉43'09	0.98030 AU	
	-12441 Nov 16 j 03:57	0°♎			-12436 Aug 17 j 13:59	0°♊		
	-12441 Dec 17 j 05:32	0°♊			-12436 Sep 16 j 00:40	0°♏		
	-12440 Jan 17 j 17:29	0°♐			-12436 Oct 15 j 21:49	0°♈		
max. Earth dist.	-12440 Jan 31 j 22:39	13°♐28'26	1.01968 AU		-12436 Nov 15 j 09:08	0°♎		
	-12440 Feb 18 j 08:47	0°♌			-12436 Dec 16 j 10:43	0°♊		
	-12440 Mar 20 j 19:24	0°♈			-12435 Jan 16 j 22:37	0°♐		
	-12440 Apr 20 j 18:46	0°♍		max. Earth dist.	-12435 Jan 31 j 04:37	13°♐30'28	1.01963 AU	
	-12440 May 21 j 03:37	0°♋			-12435 Feb 17 j 13:51	0°♌		
	-12440 Jun 19 j 22:40	0°♎			-12435 Mar 21 j 00:25	0°♈		
	-12440 Jul 19 j 08:11	0°♉			-12435 Apr 20 j 23:45	0°♍		
min. Earth dist.	-12440 Jul 31 j 10:39	12°♉24'26	0.98035 AU		-12435 May 21 j 08:36	0°♋		
	-12440 Aug 17 j 14:40	0°♊			-12435 Jun 20 j 03:41	0°♎		
	-12440 Sep 16 j 01:20	0°♏			-12435 Jul 19 j 13:14	0°♉		
	-12440 Oct 15 j 22:28	0°♈		min. Earth dist.	-12435 Jul 30 j 17:43	11°♉27'49	0.98036 AU	
	-12440 Nov 15 j 09:48	0°♎			-12435 Aug 17 j 19:46	0°♊		
	-12440 Dec 16 j 11:26	0°♊			-12435 Sep 16 j 06:29	0°♏		
	-12439 Jan 16 j 23:25	0°♐			-12435 Oct 16 j 03:39	0°♈		
max. Earth dist.	-12439 Jan 29 j 03:46	11°♐33'08	1.01970 AU		-12435 Nov 15 j 15:01	0°♎		
	-12439 Feb 17 j 14:43	0°♌			-12435 Dec 16 j 16:38	0°♊		
	-12439 Mar 21 j 01:19	0°♈			-12434 Jan 17 j 04:34	0°♐		
	-12439 Apr 21 j 00:38	0°♍		max. Earth dist.	-12434 Jan 30 j 04:52	12°♐20'18	1.01967 AU	
	-12439 May 21 j 09:26	0°♋			-12434 Feb 17 j 19:48	0°♌		
	-12439 Jun 20 j 04:29	0°♎			-12434 Mar 21 j 06:22	0°♈		
	-12439 Jul 19 j 14:02	0°♉			-12434 Apr 21 j 05:40	0°♍		
min. Earth dist.	-12439 Aug 01 j 12:11	13°♉14'57	0.98032 AU		-12434 May 21 j 14:30	0°♋		
	-12439 Aug 17 j 20:33	0°♊			-12434 Jun 20 j 09:35	0°♎		
	-12439 Sep 16 j 07:16	0°♏			-12434 Jul 19 j 19:10	0°♉		
	-12439 Oct 16 j 04:24	0°♈		min. Earth dist.	-12434 Aug 02 j 03:05	13°♉40'01	0.98038 AU	
	-12439 Nov 15 j 15:43	0°♎			-12434 Aug 18 j 01:43	0°♊		
	-12439 Dec 16 j 17:17	0°♊			-12434 Sep 16 j 12:27	0°♏		
	-12438 Jan 17 j 05:10	0°♐			-12434 Oct 16 j 09:34	0°♈		
max. Earth dist.	-12438 Jan 30 j 18:34	12°♐51'12	1.01962 AU		-12434 Nov 15 j 20:52	0°♎		
	-12438 Feb 17 j 20:23	0°♌			-12434 Dec 16 j 22:23	0°♊		
	-12438 Mar 21 j 06:57	0°♈			-12433 Jan 17 j 10:15	0°♐		
	-12438 Apr 21 j 06:17	0°♍		max. Earth dist.	-12433 Jan 29 j 17:33	11°♐40'08	1.01962 AU	
	-12438 May 21 j 15:06	0°♋			-12433 Feb 18 j 01:28	0°♌		
	-12438 Jun 20 j 10:10	0°♎			-12433 Mar 21 j 12:01	0°♈		
	-12438 Jul 19 j 19:45	0°♉			-12433 Apr 21 j 11:21	0°♍		
min. Earth dist.	-12438 Jul 30 j 23:26	11°♉25'42	0.98037 AU		-12433 May 21 j 20:13	0°♋		
	-12438 Aug 18 j 02:20	0°♊			-12433 Jun 20 j 15:20	0°♎		
	-12438 Sep 16 j 13:06	0°♏			-12433 Jul 20 j 00:55	0°♉		
	-12438 Oct 16 j 10:16	0°♈		min. Earth dist.	-12433 Jul 31 j 21:39	12°♉09'28	0.98034 AU	
	-12438 Nov 15 j 21:35	0°♎			-12433 Aug 18 j 07:29	0°♊		
	-12438 Dec 16 j 23:08	0°♊			-12433 Sep 16 j 18:12	0°♏		
	-12437 Jan 17 j 11:00	0°♐			-12433 Oct 16 j 15:19	0°♈		
max. Earth dist.	-12437 Jan 31 j 04:58	13°♐02'05	1.01966 AU		-12433 Nov 16 j 02:35	0°♎		
	-12437 Feb 18 j 02:14	0°♌			-12433 Dec 17 j 04:06	0°♊		
	-12437 Mar 21 j 12:50	0°♈			-12432 Jan 17 j 16:00	0°♐		
	-12437 Apr 21 j 12:11	0°♍		max. Earth dist.	-12432 Feb 01 j 02:57	13°♐42'09	1.01966 AU	
	-12437 May 21 j 21:03	0°♋			-12432 Feb 18 j 07:16	0°♌		
	-12437 Jun 20 j 16:08	0°♎			-12432 Mar 20 j 17:54	0°♈		
	-12437 Jul 20 j 01:40	0°♉			-12432 Apr 20 j 17:17	0°♍		
min. Earth dist.	-12437 Aug 02 j 01:15	13°♉18'40	0.98037 AU		-12432 May 21 j 02:08	0°♋		
	-12437 Aug 18 j 08:11	0°♊			-12432 Jun 19 j 21:12	0°♎		
	-12437 Sep 16 j 18:54	0°♏			-12432 Jul 19 j 06:43	0°♉		
	-12437 Oct 16 j 16:02	0°♈		min. Earth dist.	-12432 Jul 30 j 22:16	11°♉56'21	0.98037 AU	
	-12437 Nov 16 j 03:21	0°♎			-12432 Aug 17 j 13:14	0°♊		

Attention, astronomical year style is used: The year -12422 in astronomical counting style is the year 12423 BCE in historical counting style.

	-12422 Apr 21 j 03:46	0°≈		max. Earth dist.	-12417 Jan 29 j 17:41	11°ℓ46'58	1.01965 AU
	-12422 May 21 j 12:42	0°✕			-12417 Feb 17 j 22:46	0°✕	
	-12422 Jun 20 j 07:52	0°Y			-12417 Mar 21 j 09:26	0°З	
	-12422 Jul 19 j 17:31	0°Б			-12417 Apr 21 j 08:57	0°≈	
min. Earth dist.	-12422 Jul 31 j 11:30	12°Б02'24	0.98035 AU		-12417 May 21 j 18:00	0°✕	
	-12422 Aug 18 j 00:05	0°II			-12417 Jun 20 j 13:14	0°Y	
	-12422 Sep 16 j 10:46	0°☾			-12417 Jul 19 j 22:51	0°Б	
	-12422 Oct 16 j 07:50	0°Ω		min. Earth dist.	-12417 Aug 01 j 16:51	13°Б04'09	0.98030 AU
	-12422 Nov 15 j 19:03	0°ℳ			-12417 Aug 18 j 05:21	0°II	
	-12422 Dec 16 j 20:32	0°♁			-12417 Sep 16 j 15:56	0°☾	
	-12421 Jan 17 j 08:23	0°ℓ			-12417 Oct 16 j 12:53	0°Ω	
max. Earth dist.	-12421 Jan 31 j 17:00	13°ℓ36'43	1.01965 AU		-12417 Nov 15 j 24:00	0°ℳ	
	-12421 Feb 17 j 23:38	0°✕			-12417 Dec 17 j 01:24	0°♁	
	-12421 Mar 21 j 10:16	0°З			-12416 Jan 17 j 13:13	0°ℓ	
	-12421 Apr 21 j 09:41	0°≈		max. Earth dist.	-12416 Feb 01 j 05:43	13°ℓ55'17	1.01965 AU
	-12421 May 21 j 18:38	0°✕			-12416 Feb 18 j 04:30	0°✕	
	-12421 Jun 20 j 13:48	0°Y			-12416 Mar 20 j 15:13	0°З	
	-12421 Jul 19 j 23:24	0°Б			-12416 Apr 20 j 14:44	0°≈	
min. Earth dist.	-12421 Aug 01 j 08:28	12°Б41'17	0.98038 AU		-12416 May 20 j 23:46	0°✕	
	-12421 Aug 18 j 05:55	0°II			-12416 Jun 19 j 19:00	0°Y	
	-12421 Sep 16 j 16:34	0°☾			-12416 Jul 19 j 04:36	0°Б	
	-12421 Oct 16 j 13:36	0°Ω		min. Earth dist.	-12416 Jul 30 j 19:39	11°Б54'55	0.98035 AU
	-12421 Nov 16 j 00:48	0°ℳ			-12416 Aug 17 j 11:06	0°II	
	-12421 Dec 17 j 02:17	0°♁			-12416 Sep 15 j 21:41	0°☾	
	-12420 Jan 17 j 14:10	0°ℓ			-12416 Oct 15 j 18:39	0°Ω	
max. Earth dist.	-12420 Jan 30 j 03:28	11°ℓ54'19	1.01970 AU		-12416 Nov 15 j 05:48	0°ℳ	
	-12420 Feb 18 j 05:29	0°✕			-12416 Dec 16 j 07:16	0°♁	
	-12420 Mar 20 j 16:10	0°З			-12415 Jan 16 j 19:09	0°ℓ	
	-12420 Apr 20 j 15:38	0°≈		max. Earth dist.	-12415 Jan 30 j 04:16	12°ℓ41'10	1.01971 AU
	-12420 May 21 j 00:34	0°✕			-12415 Feb 17 j 10:28	0°✕	
	-12420 Jun 19 j 19:42	0°Y			-12415 Mar 20 j 21:11	0°З	
	-12420 Jul 19 j 05:16	0°Б			-12415 Apr 20 j 20:41	0°≈	
min. Earth dist.	-12420 Aug 01 j 07:00	13°Б24'09	0.98030 AU		-12415 May 21 j 05:41	0°✕	
	-12420 Aug 17 j 11:46	0°II			-12415 Jun 20 j 00:53	0°Y	
	-12420 Sep 15 j 22:24	0°☾			-12415 Jul 19 j 10:31	0°Б	
	-12420 Oct 15 j 19:26	0°Ω		min. Earth dist.	-12415 Aug 02 j 00:43	13°Б56'06	0.98037 AU
	-12420 Nov 15 j 06:38	0°ℳ			-12415 Aug 17 j 17:03	0°II	
	-12420 Dec 16 j 08:06	0°♁			-12415 Sep 16 j 03:41	0°☾	
	-12419 Jan 16 j 19:58	0°ℓ			-12415 Oct 16 j 00:41	0°Ω	
max. Earth dist.	-12419 Jan 30 j 17:39	13°ℓ10'48	1.01965 AU		-12415 Nov 15 j 11:49	0°ℳ	
	-12419 Feb 17 j 11:15	0°✕			-12415 Dec 16 j 13:12	0°♁	
	-12419 Mar 20 j 21:55	0°З			-12414 Jan 17 j 00:59	0°ℓ	
	-12419 Apr 20 j 21:23	0°≈		max. Earth dist.	-12414 Jan 29 j 18:22	12°ℓ04'04	1.01961 AU
	-12419 May 21 j 06:19	0°✕			-12414 Feb 17 j 16:12	0°✕	
	-12419 Jun 20 j 01:27	0°Y			-12414 Mar 21 j 02:51	0°З	
	-12419 Jul 19 j 11:00	0°Б			-12414 Apr 21 j 02:20	0°≈	
min. Earth dist.	-12419 Jul 30 j 20:20	11°Б40'15	0.98031 AU		-12414 May 21 j 11:20	0°✕	
	-12419 Aug 17 j 17:29	0°II			-12414 Jun 20 j 06:34	0°Y	
	-12419 Sep 16 j 04:08	0°☾			-12414 Jul 19 j 16:14	0°Б	
	-12419 Oct 16 j 01:12	0°Ω		min. Earth dist.	-12414 Jul 31 j 18:29	12°Б23'37	0.98036 AU
	-12419 Nov 15 j 12:27	0°ℳ			-12414 Aug 17 j 22:48	0°II	
	-12419 Dec 16 j 13:57	0°♁			-12414 Sep 16 j 09:29	0°☾	
	-12418 Jan 17 j 01:50	0°ℓ			-12414 Oct 16 j 06:30	0°Ω	
max. Earth dist.	-12418 Jan 30 j 23:32	13°ℓ10'54	1.01969 AU		-12414 Nov 15 j 17:38	0°ℳ	
	-12418 Feb 17 j 17:07	0°✕			-12414 Dec 16 j 19:00	0°♁	
	-12418 Mar 21 j 03:49	0°З			-12413 Jan 17 j 06:46	0°ℓ	
	-12418 Apr 21 j 03:18	0°≈		max. Earth dist.	-12413 Feb 01 j 00:49	13°ℓ59'04	1.01963 AU
	-12418 May 21 j 12:16	0°✕			-12413 Feb 17 j 22:00	0°✕	
	-12418 Jun 20 j 07:26	0°Y			-12413 Mar 21 j 08:41	0°З	
	-12418 Jul 19 j 17:00	0°Б			-12413 Apr 21 j 08:13	0°≈	
min. Earth dist.	-12418 Aug 01 j 23:40	13°Б36'49	0.98035 AU		-12413 May 21 j 17:16	0°✕	
	-12418 Aug 17 j 23:30	0°II			-12413 Jun 20 j 12:31	0°Y	
	-12418 Sep 16 j 10:06	0°☾			-12413 Jul 19 j 22:08	0°Б	
	-12418 Oct 16 j 07:06	0°Ω		min. Earth dist.	-12413 Aug 01 j 00:34	12°Б24'13	0.98037 AU
	-12418 Nov 15 j 18:16	0°ℳ			-12413 Aug 18 j 04:38	0°II	
	-12418 Dec 16 j 19:42	0°♁			-12413 Sep 16 j 15:15	0°☾	
	-12417 Jan 17 j 07:31	0°ℓ			-12413 Oct 16 j 12:15	0°Ω	

Attention, astronomical year style is used: The year -12413 in astronomical counting style is the year 12414 BCE in historical counting style.

	-12413 Nov 15 j 23:23	0°♎			-12408 Aug 17 j 09:56	0°♊		
	-12413 Dec 17 j 00:48	0°♋			-12408 Sep 15 j 20:31	0°♌		
	-12412 Jan 17 j 12:38	0°♍			-12408 Oct 15 j 17:30	0°♎		
max. Earth dist.	-12412 Jan 30 j 10:47	12°♍15'20	1.01968 AU		-12408 Nov 15 j 04:38	0°♏		
	-12412 Feb 18 j 03:54	0°♐			-12408 Dec 16 j 06:03	0°♑		
	-12412 Mar 20 j 14:37	0°♒			-12407 Jan 16 j 17:55	0°♓		
	-12412 Apr 20 j 14:09	0°♓		max. Earth dist.	-12407 Jan 30 j 13:32	13°♍06'00	1.01972 AU	
	-12412 May 20 j 23:13	0°♈			-12407 Feb 17 j 09:15	0°♐		
	-12412 Jun 19 j 18:27	0°♑			-12407 Mar 20 j 20:01	0°♒		
	-12412 Jul 19 j 04:04	0°♓			-12407 Apr 20 j 19:36	0°♓		
min. Earth dist.	-12412 Aug 01 j 14:56	13°♈47'36	0.98031 AU		-12407 May 21 j 04:39	0°♈		
	-12412 Aug 17 j 10:33	0°♊			-12407 Jun 19 j 23:52	0°♑		
	-12412 Sep 15 j 21:09	0°♌			-12407 Jul 19 j 09:27	0°♓		
	-12412 Oct 15 j 18:08	0°♎		min. Earth dist.	-12407 Aug 01 j 21:48	13°♈51'25	0.98033 AU	
	-12412 Nov 15 j 05:17	0°♏			-12407 Aug 17 j 15:56	0°♊		
	-12412 Dec 16 j 06:42	0°♑			-12407 Sep 16 j 02:31	0°♌		
	-12411 Jan 16 j 18:32	0°♍			-12407 Oct 15 j 23:29	0°♎		
max. Earth dist.	-12411 Jan 30 j 04:35	12°♍43'23	1.01962 AU		-12407 Nov 15 j 10:37	0°♏		
	-12411 Feb 17 j 09:46	0°♐			-12407 Dec 16 j 12:00	0°♑		
	-12411 Mar 20 j 20:25	0°♒			-12406 Jan 16 j 23:47	0°♓		
	-12411 Apr 20 j 19:55	0°♓		max. Earth dist.	-12406 Jan 29 j 14:40	11°♍58'11	1.01963 AU	
	-12411 May 21 j 04:56	0°♈			-12406 Feb 17 j 15:01	0°♐		
	-12411 Jun 20 j 00:10	0°♑			-12406 Mar 21 j 01:43	0°♒		
	-12411 Jul 19 j 09:48	0°♓			-12406 Apr 21 j 01:17	0°♓		
min. Earth dist.	-12411 Jul 31 j 03:29	12°♈01'37	0.98033 AU		-12406 May 21 j 10:22	0°♈		
	-12411 Aug 17 j 16:20	0°♊			-12406 Jun 20 j 05:39	0°♑		
	-12411 Sep 16 j 02:57	0°♌			-12406 Jul 19 j 15:18	0°♓		
	-12411 Oct 15 j 23:57	0°♎		min. Earth dist.	-12406 Aug 01 j 03:50	12°♈50'03	0.98031 AU	
	-12411 Nov 15 j 11:08	0°♏			-12406 Aug 17 j 21:49	0°♊		
	-12411 Dec 16 j 12:35	0°♑			-12406 Sep 16 j 08:24	0°♌		
	-12410 Jan 17 j 00:26	0°♍			-12406 Oct 16 j 05:20	0°♎		
max. Earth dist.	-12410 Jan 31 j 05:25	13°♍28'07	1.01968 AU		-12406 Nov 15 j 16:25	0°♏		
	-12410 Feb 17 j 15:43	0°♐			-12406 Dec 16 j 17:47	0°♑		
	-12410 Mar 21 j 02:24	0°♒			-12405 Jan 17 j 05:33	0°♓		
	-12410 Apr 21 j 01:54	0°♓		max. Earth dist.	-12405 Feb 01 j 02:10	14°♍05'06	1.01964 AU	
	-12410 May 21 j 10:55	0°♈			-12405 Feb 17 j 20:48	0°♐		
	-12410 Jun 20 j 06:09	0°♑			-12405 Mar 21 j 07:32	0°♒		
	-12410 Jul 19 j 15:48	0°♓			-12405 Apr 21 j 07:08	0°♓		
min. Earth dist.	-12410 Aug 01 j 17:16	13°♈23'24	0.98039 AU		-12405 May 21 j 16:17	0°♈		
	-12410 Aug 17 j 22:20	0°♊			-12405 Jun 20 j 11:35	0°♑		
	-12410 Sep 16 j 08:57	0°♌			-12405 Jul 19 j 21:14	0°♓		
	-12410 Oct 16 j 05:55	0°♎		min. Earth dist.	-12405 Jul 31 j 22:55	12°♈22'15	0.98034 AU	
	-12410 Nov 15 j 17:01	0°♏			-12405 Aug 18 j 03:42	0°♊		
	-12410 Dec 16 j 18:24	0°♑			-12405 Sep 16 j 14:13	0°♌		
	-12409 Jan 17 j 06:12	0°♍			-12405 Oct 16 j 11:06	0°♎		
max. Earth dist.	-12409 Jan 29 j 20:15	11°♍56'11	1.01966 AU		-12405 Nov 15 j 22:09	0°♏		
	-12409 Feb 17 j 21:28	0°♐			-12405 Dec 16 j 23:31	0°♑		
	-12409 Mar 21 j 08:10	0°♒			-12404 Jan 17 j 11:22	0°♓		
	-12409 Apr 21 j 07:42	0°♓		max. Earth dist.	-12404 Jan 30 j 18:18	12°♍36'05	1.01971 AU	
	-12409 May 21 j 16:45	0°♈			-12404 Feb 18 j 02:41	0°♐		
	-12409 Jun 20 j 12:00	0°♑			-12404 Mar 20 j 13:28	0°♒		
	-12409 Jul 19 j 21:39	0°♓			-12404 Apr 20 j 13:05	0°♓		
min. Earth dist.	-12409 Aug 01 j 22:24	13°♈21'30	0.98032 AU		-12404 May 20 j 22:13	0°♈		
	-12409 Aug 18 j 04:11	0°♊			-12404 Jun 19 j 17:31	0°♑		
	-12409 Sep 16 j 14:48	0°♌			-12404 Jul 19 j 03:11	0°♓		
	-12409 Oct 16 j 11:44	0°♎		min. Earth dist.	-12404 Aug 01 j 22:10	14°♈08'23	0.98032 AU	
	-12409 Nov 15 j 22:49	0°♏			-12404 Aug 17 j 09:40	0°♊		
	-12409 Dec 17 j 00:10	0°♑			-12404 Sep 15 j 20:12	0°♌		
	-12408 Jan 17 j 11:58	0°♍			-12404 Oct 15 j 17:05	0°♎		
max. Earth dist.	-12408 Feb 01 j 02:59	13°♍51'49	1.01965 AU		-12404 Nov 15 j 04:06	0°♏		
	-12408 Feb 18 j 03:16	0°♐			-12404 Dec 16 j 05:27	0°♑		
	-12408 Mar 20 j 14:01	0°♒			-12403 Jan 16 j 17:15	0°♓		
	-12408 Apr 20 j 13:35	0°♓		max. Earth dist.	-12403 Jan 29 j 21:35	12°♍29'53	1.01965 AU	
	-12408 May 20 j 22:38	0°♈			-12403 Feb 17 j 08:31	0°♐		
	-12408 Jun 19 j 17:50	0°♑			-12403 Mar 20 j 19:15	0°♒		
	-12408 Jul 19 j 03:26	0°♓			-12403 Apr 20 j 18:49	0°♓		
min. Earth dist.	-12408 Jul 30 j 16:02	11°♈48'38	0.98033 AU		-12403 May 21 j 03:54	0°♈		

Attention, astronomical year style is used: The year -12403 in astronomical counting style is the year 12404 BCE in historical counting style.

	-12403 Jun 19 j 23:12	0° Υ	
	-12403 Jul 19 j 08:52	0° \mathcal{B}	
min. Earth dist.	-12403 Jul 31 j 10:21	12° \mathcal{B} 21'34	0.98034 AU
	-12403 Aug 17 j 15:25	0° Π	
	-12403 Sep 16 j 02:01	0° \mathcal{E}	
	-12403 Oct 15 j 22:57	0° Ω	
	-12403 Nov 15 j 10:00	0° \mathcal{M}	
	-12403 Dec 16 j 11:19	0° \mathcal{A}	
	-12402 Jan 16 j 23:05	0° \mathcal{M}	
max. Earth dist.	-12402 Jan 31 j 15:23	13° \mathcal{M} 54'53	1.01967 AU
	-12402 Feb 17 j 14:23	0° \mathcal{A}	
	-12402 Mar 21 j 01:08	0° \mathcal{B}	
	-12402 Apr 21 j 00:44	0° \approx	
	-12402 May 21 j 09:50	0° \mathcal{H}	
	-12402 Jun 20 j 05:07	0° Υ	
	-12402 Jul 19 j 14:48	0° \mathcal{B}	
min. Earth dist.	-12402 Aug 01 j 07:19	13° \mathcal{B} 00'20	0.98040 AU
	-12402 Aug 17 j 21:21	0° Π	
	-12402 Sep 16 j 07:57	0° \mathcal{E}	
	-12402 Oct 16 j 04:52	0° Ω	
	-12402 Nov 15 j 15:53	0° \mathcal{M}	
	-12402 Dec 16 j 17:10	0° \mathcal{A}	
	-12401 Jan 17 j 04:52	0° \mathcal{M}	
max. Earth dist.	-12401 Jan 30 j 04:26	12° \mathcal{M} 18'46	1.01965 AU
	-12401 Feb 17 j 20:06	0° \mathcal{A}	
	-12401 Mar 21 j 06:51	0° \mathcal{B}	
	-12401 Apr 21 j 06:29	0° \approx	
	-12401 May 21 j 15:39	0° \mathcal{H}	
	-12401 Jun 20 j 10:59	0° Υ	
	-12401 Jul 19 j 20:40	0° \mathcal{B}	
min. Earth dist.	-12401 Aug 02 j 06:16	13° \mathcal{B} 44'13	0.98033 AU
	-12401 Aug 18 j 03:12	0° Π	
	-12401 Sep 16 j 13:47	0° \mathcal{E}	
	-12401 Oct 16 j 10:40	0° Ω	
	-12401 Nov 15 j 21:41	0° \mathcal{M}	
	-12401 Dec 16 j 22:57	0° \mathcal{A}	
	-12400 Jan 17 j 10:40	0° \mathcal{M}	
max. Earth dist.	-12400 Jan 31 j 21:03	13° \mathcal{M} 40'59	1.01961 AU
	-12400 Feb 18 j 01:53	0° \mathcal{A}	
	-12400 Mar 20 j 12:38	0° \mathcal{B}	
	-12400 Apr 20 j 12:15	0° \approx	
	-12400 May 20 j 21:24	0° \mathcal{H}	
	-12400 Jun 19 j 16:43	0° Υ	
	-12400 Jul 19 j 02:22	0° \mathcal{B}	
min. Earth dist.	-12400 Jul 30 j 21:15	12° \mathcal{B} 04'40	0.98033 AU
	-12400 Aug 17 j 08:52	0° Π	
	-12400 Sep 15 j 19:26	0° \mathcal{E}	
	-12400 Oct 15 j 16:21	0° Ω	
	-12400 Nov 15 j 03:25	0° \mathcal{M}	
	-12400 Dec 16 j 04:47	0° \mathcal{A}	
	-12399 Jan 16 j 16:35	0° \mathcal{M}	
max. Earth dist.	-12399 Jan 30 j 20:26	13° \mathcal{M} 25'31	1.01968 AU
	-12399 Feb 17 j 07:51	0° \mathcal{A}	
	-12399 Mar 20 j 18:36	0° \mathcal{B}	
	-12399 Apr 20 j 18:12	0° \approx	
	-12399 May 21 j 03:19	0° \mathcal{H}	
	-12399 Jun 19 j 22:38	0° Υ	
	-12399 Jul 19 j 08:18	0° \mathcal{B}	
min. Earth dist.	-12399 Aug 01 j 21:17	13° \mathcal{B} 52'56	0.98038 AU
	-12399 Aug 17 j 14:49	0° Π	
	-12399 Sep 16 j 01:24	0° \mathcal{E}	
	-12399 Oct 15 j 22:19	0° Ω	
	-12399 Nov 15 j 09:22	0° \mathcal{M}	
	-12399 Dec 16 j 10:42	0° \mathcal{A}	