

Planetary Phenomena of Uranus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 1

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

morning rise	-7400 Jan 16 j 11:30	17° ℳ 58'19	opposition	-7394 Jul 31 j 15:13	13° ♊ 07'23	-0°50'09
retrograde	-7400 Apr 20 j 10:54	21° ℳ 05'14	min. Earth dist.	-7394 Jul 31 j 04:46	13° ♊ 08'28	18.89627 AU
min. Earth dist.	-7400 Jul 06 j 07:20	19° ℳ 07'39	19.08822 AU	direct	-7394 Oct 14 j 04:21	11° ♊ 09'59
opposition	-7400 Jul 07 j 05:09	19° ℳ 05'26	-0°29'23	evening set	-7393 Jan 12 j 06:50	14° ♊ 10'10
direct	-7400 Sep 19 j 22:22	17° ℳ 09'15				
evening set	-7400 Dec 18 j 05:06	20° ℳ 06'11		conjunction	-7393 Jan 28 j 18:11	15° ♊ 06'07
				minimum elong	-7393 Jan 28 j 18:11	15° ♊ 06'07
conjunction	-7399 Jan 03 j 10:18	21° ℳ 00'55	-0°28'19	max. Earth dist.	-7393 Jan 29 j 05:22	15° ♊ 07'43
minimum elong	-7399 Jan 03 j 10:18	21° ℳ 00'55	0°28'40	morning rise	-7393 Feb 14 j 08:55	16° ♊ 02'34
max. Earth dist.	-7399 Jan 04 j 09:57	21° ℳ 04'16	21.07874 AU	retrograde	-7393 May 20 j 02:23	19° ♊ 11'19
morning rise	-7399 Jan 19 j 19:42	21° ℳ 56'16		opposition	-7393 Aug 04 j 21:22	17° ♊ 11'01
retrograde	-7399 Apr 24 j 18:31	25° ℳ 03'20		min. Earth dist.	-7393 Aug 04 j 12:57	17° ♊ 11'53
opposition	-7399 Jul 11 j 10:27	23° ℳ 03'33	-0°33'17	direct	-7393 Oct 18 j 10:32	15° ♊ 13'15
min. Earth dist.	-7399 Jul 10 j 14:26	23° ℳ 05'35	19.06875 AU	evening set	-7392 Jan 16 j 17:25	18° ♊ 14'12
direct	-7399 Sep 24 j 02:25	21° ℳ 07'16				
evening set	-7399 Dec 22 j 11:52	24° ℳ 04'34		conjunction	-7392 Feb 02 j 05:39	19° ♊ 10'24
				minimum elong	-7392 Feb 02 j 05:39	19° ♊ 10'23
conjunction	-7398 Jan 07 j 18:02	24° ℳ 59'28	-0°31'46	max. Earth dist.	-7392 Feb 02 j 13:32	19° ♊ 11'31
minimum elong	-7398 Jan 07 j 18:02	24° ℳ 59'28	0°32'09	morning rise	-7392 Feb 18 j 21:19	20° ♊ 07'04
max. Earth dist.	-7398 Jan 08 j 15:13	25° ℳ 02'29	21.05710 AU	retrograde	-7392 May 23 j 12:47	23° ♊ 16'09
morning rise	-7398 Jan 24 j 04:31	25° ℳ 54'59		opposition	-7392 Aug 08 j 03:49	21° ♊ 15'41
retrograde	-7398 Apr 29 j 04:25	29° ℳ 02'17		min. Earth dist.	-7392 Aug 07 j 21:27	21° ♊ 16'21
opposition	-7398 Jul 15 j 15:57	27° ℳ 02'28	-0°37'02	direct	-7392 Oct 21 j 17:16	19° ♊ 17'31
min. Earth dist.	-7398 Jul 14 j 21:23	27° ℳ 04'22	19.04471 AU	evening set	-7391 Jan 20 j 04:38	22° ♊ 19'19
direct	-7398 Sep 28 j 06:56	25° ℳ 06'03				
evening set	-7398 Dec 26 j 19:04	28° ℳ 03'48		conjunction	-7391 Feb 05 j 17:54	23° ♊ 15'45
				minimum elong	-7391 Feb 05 j 17:53	23° ♊ 15'45
conjunction	-7397 Jan 12 j 02:21	28° ℳ 58'54	-0°35'05	max. Earth dist.	-7391 Feb 06 j 00:32	23° ♊ 16'42
minimum elong	-7397 Jan 12 j 02:21	28° ℳ 58'54	0°35'29	morning rise	-7391 Feb 22 j 10:04	24° ♊ 12'39
max. Earth dist.	-7397 Jan 12 j 22:32	29° ℳ 01'46	21.03050 AU	retrograde	-7391 May 27 j 23:12	27° ♊ 22'06
morning rise	-7397 Jan 28 j 13:39	29° ℳ 54'34		opposition	-7391 Aug 12 j 10:26	25° ♊ 21'29
	-7397 Jan 30 j 05:00	0° ♊		min. Earth dist.	-7391 Aug 12 j 05:53	25° ♊ 21'58
retrograde	-7397 May 03 j 12:12	3° ♊ 02'08		direct	-7391 Oct 26 j 00:16	23° ♊ 22'56
opposition	-7397 Jul 19 j 21:35	1° ♊ 02'17	-0°40'37	evening set	-7390 Jan 24 j 16:39	26° ♊ 25'37
min. Earth dist.	-7397 Jul 19 j 05:04	1° ♊ 03'59	19.01550 AU			
	-7397 Aug 15 j 16:29	30° ♋		conjunction	-7390 Feb 10 j 06:38	27° ♊ 22'20
direct	-7397 Oct 02 j 11:18	29° ℳ 05'42		minimum elong	-7390 Feb 10 j 06:38	27° ♊ 22'19
	-7397 Nov 17 j 23:57	0° ♊		max. Earth dist.	-7390 Feb 10 j 10:02	27° ♊ 22'49
evening set	-7397 Dec 31 j 03:09	2° ♊ 03'59		morning rise	-7390 Feb 26 j 23:38	28° ♊ 19'27
					-7390 Mar 31 j 17:08	0° ♋
conjunction	-7396 Jan 16 j 11:24	2° ♊ 59'16	-0°38'14	retrograde	-7390 Jun 01 j 10:35	1° ♋ 29'19
minimum elong	-7396 Jan 16 j 11:24	2° ♊ 59'16	0°38'39		-7390 Aug 04 j 01:02	30° ♋
max. Earth dist.	-7396 Jan 17 j 04:34	3° ♊ 01'42	20.99875 AU	opposition	-7390 Aug 16 j 17:31	29° ♊ 28'33
morning rise	-7396 Feb 01 j 23:45	3° ♊ 55'07		min. Earth dist.	-7390 Aug 16 j 14:56	29° ♊ 28'49
retrograde	-7396 May 06 j 22:34	7° ♊ 02'57		direct	-7390 Oct 30 j 07:33	27° ♊ 29'35
opposition	-7396 Jul 23 j 03:14	5° ♊ 03'02	-0°44'00		-7389 Jan 19 j 03:23	0° ♋
min. Earth dist.	-7396 Jul 22 j 12:38	5° ♊ 04'32	18.98106 AU	evening set	-7389 Jan 29 j 05:11	0° ♋ 33'15
direct	-7396 Oct 05 j 16:51	3° ♊ 06'13				
evening set	-7395 Jan 03 j 11:49	6° ♊ 05'05		conjunction	-7389 Feb 14 j 20:12	1° ♋ 30'14
				minimum elong	-7389 Feb 14 j 20:12	1° ♋ 30'14
conjunction	-7395 Jan 19 j 21:11	7° ♊ 00'35	-0°41'13	max. Earth dist.	-7389 Feb 14 j 22:32	1° ♋ 30'34
minimum elong	-7395 Jan 19 j 21:11	7° ♊ 00'35	0°41'39	morning rise	-7389 Mar 03 j 13:37	2° ♋ 27'35
max. Earth dist.	-7395 Jan 20 j 12:56	7° ♊ 02'50	20.96153 AU	retrograde	-7389 Jun 05 j 22:22	5° ♋ 37'54
morning rise	-7395 Feb 05 j 10:16	7° ♊ 56'38		opposition	-7389 Aug 21 j 00:59	3° ♋ 37'00
retrograde	-7395 May 11 j 06:53	11° ♊ 04'45		min. Earth dist.	-7389 Aug 21 j 00:01	3° ♋ 37'06
opposition	-7395 Jul 27 j 09:09	9° ♊ 04'44	-0°47'11	direct	-7389 Nov 03 j 15:21	1° ♋ 37'40
min. Earth dist.	-7395 Jul 26 j 20:42	9° ♊ 06'01	18.94111 AU	evening set	-7388 Feb 02 j 18:53	4° ♋ 42'22
direct	-7395 Oct 09 j 22:06	7° ♊ 07'39				
evening set	-7394 Jan 07 j 21:01	10° ♊ 07'09		conjunction	-7388 Feb 19 j 10:33	5° ♋ 39'37
				minimum elong	-7388 Feb 19 j 10:33	5° ♋ 39'37
conjunction	-7394 Jan 24 j 07:16	11° ♊ 02'52	-0°43'59	max. Earth dist.	-7388 Feb 19 j 09:30	5° ♋ 39'28
minimum elong	-7394 Jan 24 j 07:16	11° ♊ 02'52	0°44'26	morning rise	-7388 Mar 07 j 04:41	6° ♋ 37'13
max. Earth dist.	-7394 Jan 24 j 19:47	11° ♊ 04'39	20.91913 AU	retrograde	-7388 Jun 09 j 11:05	9° ♋ 48'00
morning rise	-7394 Feb 09 j 21:20	11° ♊ 59'07		opposition	-7388 Aug 24 j 08:53	7° ♋ 47'00
retrograde	-7394 May 15 j 17:01	15° ♊ 07'32		min. Earth dist.	-7388 Aug 24 j 10:03	7° ♋ 46'53

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Attention, astronomical year style is used: The year -7388 in astronomical counting style is the year 7389 BCE in historical counting style.

direct	-7388 Nov 06 j 23:38	5° $\mathring{3}47'16$		minimum elong	-7381 Mar 22 j 16:27	5° $\mathring{3}37'02$	0°56'47
evening set	-7387 Feb 06 j 09:20	8° $\mathring{3}53'06$		max. Earth dist.	-7381 Mar 21 j 23:17	5° $\mathring{3}34'29$	20.12201 AU
				morning rise	-7381 Apr 08 j 12:06	6° $\mathring{3}36'25$	
conjunction	-7387 Feb 23 j 01:55	9° $\mathring{3}50'38$	-0°56'45	retrograde	-7381 Jul 10 j 23:25	9° $\mathring{3}51'08$	
minimum elong	-7387 Feb 23 j 01:55	9° $\mathring{3}50'38$	0°57'14	opposition	-7381 Sep 23 j 10:31	7° $\mathring{3}49'37$	-1°01'59
max. Earth dist.	-7387 Feb 22 j 23:46	9° $\mathring{3}50'20$	20.52589 AU	min. Earth dist.	-7381 Sep 24 j 01:39	7° $\mathring{3}47'59$	18.08637 AU
morning rise	-7387 Mar 11 j 20:19	10° $\mathring{3}48'29$		direct	-7381 Dec 07 j 08:36	5° $\mathring{3}47'09$	
retrograde	-7387 Jun 14 j 00:30	13° $\mathring{3}59'47$		evening set	-7380 Mar 09 j 18:01	9° $\mathring{3}02'00$	
opposition	-7387 Aug 28 j 17:23	11° $\mathring{3}58'43$	-1°03'23				
min. Earth dist.	-7387 Aug 28 j 20:06	11° $\mathring{3}58'25$	18.49425 AU	conjunction	-7380 Mar 26 j 13:55	10° $\mathring{3}01'38$	-0°55'07
direct	-7387 Nov 11 j 08:40	9° $\mathring{3}58'37$		minimum elong	-7380 Mar 26 j 13:55	10° $\mathring{3}01'38$	0°55'32
evening set	-7386 Feb 11 j 00:40	13° $\mathring{3}05'36$		max. Earth dist.	-7380 Mar 25 j 17:18	9° $\mathring{3}58'33$	20.05029 AU
				morning rise	-7380 Apr 12 j 09:34	11° $\mathring{3}01'15$	
conjunction	-7386 Feb 27 j 17:46	14° $\mathring{3}03'26$	-0°57'29	retrograde	-7380 Jul 14 j 15:32	14° $\mathring{3}16'32$	
minimum elong	-7386 Feb 27 j 17:46	14° $\mathring{3}03'26$	0°57'59	opposition	-7380 Sep 26 j 23:55	12° $\mathring{3}14'53$	-1°00'27
max. Earth dist.	-7386 Feb 27 j 12:14	14° $\mathring{3}02'38$	20.46213 AU	min. Earth dist.	-7380 Sep 27 j 17:49	12° $\mathring{3}12'57$	18.01463 AU
morning rise	-7386 Mar 16 j 12:45	15° $\mathring{3}01'33$		direct	-7380 Dec 10 j 23:03	10° $\mathring{3}11'57$	
retrograde	-7386 Jun 18 j 14:26	18° $\mathring{3}13'24$		evening set	-7379 Mar 14 j 15:59	13° $\mathring{3}28'09$	
opposition	-7386 Sep 02 j 02:32	16° $\mathring{3}12'15$	-1°04'03				
min. Earth dist.	-7386 Sep 02 j 07:34	16° $\mathring{3}11'43$	18.42991 AU	conjunction	-7379 Mar 31 j 12:12	14° $\mathring{3}28'04$	-0°53'33
direct	-7386 Nov 15 j 18:01	14° $\mathring{3}11'48$		minimum elong	-7379 Mar 31 j 12:12	14° $\mathring{3}28'04$	0°53'57
evening set	-7385 Feb 15 j 17:01	17° $\mathring{3}20'01$		max. Earth dist.	-7379 Mar 30 j 14:17	14° $\mathring{3}24'47$	19.97866 AU
					-7379 Apr 09 j 10:07	15° $\mathring{3}$	
conjunction	-7385 Mar 04 j 10:56	18° $\mathring{3}18'09$	-0°57'55	morning rise	-7379 Apr 17 j 07:36	15° $\mathring{3}27'55$	
minimum elong	-7385 Mar 04 j 10:56	18° $\mathring{3}18'09$	0°58'24	retrograde	-7379 Jul 19 j 10:42	18° $\mathring{3}43'45$	
max. Earth dist.	-7385 Mar 04 j 04:12	18° $\mathring{3}17'10$	20.39710 AU	opposition	-7379 Oct 01 j 14:02	16° $\mathring{3}41'59$	-0°58'33
morning rise	-7385 Mar 21 j 06:04	19° $\mathring{3}16'31$		min. Earth dist.	-7379 Oct 02 j 08:47	16° $\mathring{3}39'57$	17.94330 AU
retrograde	-7385 Jun 23 j 05:39	22° $\mathring{3}28'55$			-7379 Nov 16 j 23:08	15° $\mathring{3}$	
opposition	-7385 Sep 06 j 12:10	20° $\mathring{3}27'44$	-1°04'22	direct	-7379 Dec 15 j 16:09	14° $\mathring{3}38'36$	
min. Earth dist.	-7385 Sep 06 j 18:53	20° $\mathring{3}27'02$	18.36415 AU		-7378 Jan 13 j 05:25	15° $\mathring{3}$	
direct	-7385 Nov 20 j 04:59	18° $\mathring{3}26'56$		evening set	-7378 Mar 19 j 14:40	17° $\mathring{3}56'08$	
evening set	-7384 Feb 20 j 10:37	21° $\mathring{3}36'26$		max. Earth dist.	-7378 Apr 04 j 10:18	18° $\mathring{3}52'38$	19.90783 AU
conjunction	-7384 Mar 08 j 04:57	22° $\mathring{3}34'52$	-0°58'01	conjunction	-7378 Apr 05 j 10:53	18° $\mathring{3}56'19$	-0°51'39
minimum elong	-7384 Mar 08 j 04:57	22° $\mathring{3}34'52$	0°58'30	minimum elong	-7378 Apr 05 j 10:53	18° $\mathring{3}56'19$	0°52'02
max. Earth dist.	-7384 Mar 07 j 18:28	22° $\mathring{3}33'20$	20.33063 AU	morning rise	-7378 Apr 22 j 06:05	19° $\mathring{3}56'23$	
morning rise	-7384 Mar 25 j 00:29	23° $\mathring{3}33'30$		retrograde	-7378 Jul 24 j 03:38	23° $\mathring{3}12'47$	
retrograde	-7384 Jun 26 j 20:33	26° $\mathring{3}46'29$		opposition	-7378 Oct 06 j 05:01	21° $\mathring{3}10'53$	-0°56'17
opposition	-7384 Sep 09 j 22:42	24° $\mathring{3}45'14$	-1°04'20	min. Earth dist.	-7378 Oct 07 j 02:15	21° $\mathring{3}08'34$	17.87330 AU
min. Earth dist.	-7384 Sep 10 j 08:07	24° $\mathring{3}44'14$	18.29696 AU	direct	-7378 Dec 20 j 08:31	19° $\mathring{3}07'02$	
direct	-7384 Nov 23 j 15:38	22° $\mathring{3}44'02$		evening set	-7377 Mar 24 j 14:11	22° $\mathring{3}25'56$	
evening set	-7383 Feb 24 j 05:00	25° $\mathring{3}54'52$		max. Earth dist.	-7377 Apr 09 j 08:46	23° $\mathring{3}22'30$	19.83875 AU
conjunction	-7383 Mar 12 j 23:58	26° $\mathring{3}53'36$	-0°57'48	conjunction	-7377 Apr 10 j 10:30	23° $\mathring{3}26'22$	-0°49'26
minimum elong	-7383 Mar 12 j 23:58	26° $\mathring{3}53'36$	0°58'16	minimum elong	-7377 Apr 10 j 10:30	23° $\mathring{3}26'22$	0°49'46
max. Earth dist.	-7383 Mar 12 j 12:02	26° $\mathring{3}51'51$	20.26255 AU	morning rise	-7377 Apr 27 j 05:20	24° $\mathring{3}26'39$	
morning rise	-7383 Mar 29 j 19:29	27° $\mathring{3}52'29$		retrograde	-7377 Jul 28 j 23:41	27° $\mathring{3}43'35$	
	-7383 May 11 j 00:17	0° $\mathring{3}$		opposition	-7377 Oct 10 j 20:33	25° $\mathring{3}41'34$	-0°53'39
retrograde	-7383 Jul 01 j 13:34	1° $\mathring{3}06'03$		min. Earth dist.	-7377 Oct 11 j 18:14	25° $\mathring{3}39'12$	17.80530 AU
	-7383 Aug 23 j 00:07	30° $\mathring{R}3$		direct	-7377 Dec 25 j 03:43	23° $\mathring{3}37'18$	
opposition	-7383 Sep 14 j 09:53	29° $\mathring{3}04'45$	-1°03'55	evening set	-7376 Mar 28 j 14:35	26° $\mathring{3}57'31$	
min. Earth dist.	-7383 Sep 14 j 20:53	29° $\mathring{3}03'34$	18.22805 AU	max. Earth dist.	-7376 Apr 13 j 07:02	27° $\mathring{3}54'01$	19.77199 AU
direct	-7383 Nov 28 j 04:57	27° $\mathring{3}03'09$					
	-7382 Feb 24 j 13:05	0° $\mathring{3}$		conjunction	-7376 Apr 14 j 10:44	27° $\mathring{3}58'13$	-0°46'54
evening set	-7382 Mar 01 j 00:29	0° $\mathring{3}15'19$		minimum elong	-7376 Apr 14 j 10:44	27° $\mathring{3}58'13$	0°47'13
				morning rise	-7376 May 01 j 05:05	28° $\mathring{3}58'41$	
conjunction	-7382 Mar 17 j 19:43	1° $\mathring{3}14'21$	-0°57'15		-7376 May 19 j 05:00	0° \mathring{H}	
minimum elong	-7382 Mar 17 j 19:43	1° $\mathring{3}14'21$	0°57'41	retrograde	-7376 Aug 01 j 17:47	2° $\mathring{H}16'10$	
max. Earth dist.	-7382 Mar 17 j 04:02	1° $\mathring{3}12'02$	20.19288 AU	opposition	-7376 Oct 14 j 13:13	0° $\mathring{H}14'02$	-0°50'41
morning rise	-7382 Apr 03 j 15:27	2° $\mathring{3}13'29$		min. Earth dist.	-7376 Oct 15 j 13:03	0° $\mathring{H}11'27$	17.74015 AU
retrograde	-7382 Jul 06 j 05:00	5° $\mathring{3}27'38$			-7376 Oct 19 j 22:28	30° \mathring{R}	
opposition	-7382 Sep 18 j 21:52	3° $\mathring{3}26'14$	-1°03'08	direct	-7376 Dec 28 j 22:03	28° $\mathring{3}09'24$	
min. Earth dist.	-7382 Sep 19 j 11:40	3° $\mathring{3}24'45$	18.15780 AU		-7375 Mar 06 j 05:28	0° \mathring{H}	
direct	-7382 Dec 02 j 17:15	1° $\mathring{3}24'12$		evening set	-7375 Apr 02 j 15:28	1° $\mathring{H}30'55$	
evening set	-7381 Mar 05 j 20:40	4° $\mathring{3}37'42$		max. Earth dist.	-7375 Apr 18 j 06:43	2° $\mathring{H}27'29$	19.70848 AU
conjunction	-7381 Mar 22 j 16:27	5° $\mathring{3}37'02$	-0°56'21	conjunction	-7375 Apr 19 j 11:24	2° $\mathring{H}31'50$	-0°44'03

Planetary Phenomena of Uranus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 3

Attention, astronomical year style is used: The year -7375 in astronomical counting style is the year 7376 BCE in historical counting style.

minimum elong	-7375 Apr 19 j 11:24	2° $\mathbf{\text{H}}$ 31'50	0°44'20	min. Earth dist.	-7369 Nov 17 j 13:22	2° $\mathbf{\text{Y}}$ 47'34	17.39313 AU
morning rise	-7375 May 06 j 05:15	3° $\mathbf{\text{H}}$ 32'29		direct	-7368 Jan 31 j 11:46	0° $\mathbf{\text{Y}}$ 44'22	
retrograde	-7375 Aug 06 j 14:59	6° $\mathbf{\text{H}}$ 50'30		evening set	-7368 May 06 j 15:37	4° $\mathbf{\text{Y}}$ 13'39	
opposition	-7375 Oct 19 j 06:32	4° $\mathbf{\text{H}}$ 48'19	-0°47'22	max. Earth dist.	-7368 May 21 j 22:13	5° $\mathbf{\text{Y}}$ 10'25	19.37528 AU
min. Earth dist.	-7375 Oct 20 j 06:20	4° $\mathbf{\text{H}}$ 45'44	17.67843 AU				
direct	-7374 Jan 02 j 19:03	2° $\mathbf{\text{H}}$ 43'20		conjunction	-7368 May 23 j 07:18	5° $\mathbf{\text{Y}}$ 15'35	-0°16'49
evening set	-7374 Apr 07 j 17:08	6° $\mathbf{\text{H}}$ 06'08		minimum elong	-7368 May 23 j 07:18	5° $\mathbf{\text{Y}}$ 15'35	0°16'50
max. Earth dist.	-7374 Apr 23 j 07:00	7° $\mathbf{\text{H}}$ 02'44	19.64862 AU	morning rise	-7368 Jun 08 j 18:51	6° $\mathbf{\text{Y}}$ 16'58	
				retrograde	-7368 Sep 08 j 06:00	9° $\mathbf{\text{Y}}$ 38'05	
conjunction	-7374 Apr 24 j 12:46	7° $\mathbf{\text{H}}$ 07'16	-0°40'55	opposition	-7368 Nov 20 j 08:39	7° $\mathbf{\text{Y}}$ 36'01	-0°16'12
minimum elong	-7374 Apr 24 j 12:47	7° $\mathbf{\text{H}}$ 07'16	0°41'10	min. Earth dist.	-7368 Nov 21 j 13:38	7° $\mathbf{\text{Y}}$ 32'51	17.35940 AU
morning rise	-7374 May 11 j 05:55	8° $\mathbf{\text{H}}$ 08'05		direct	-7367 Feb 04 j 12:42	5° $\mathbf{\text{Y}}$ 29'35	
retrograde	-7374 Aug 11 j 10:42	11° $\mathbf{\text{H}}$ 26'37		evening set	-7367 May 11 j 20:36	8° $\mathbf{\text{Y}}$ 59'37	
opposition	-7374 Oct 24 j 00:46	9° $\mathbf{\text{H}}$ 24'25	-0°43'44	max. Earth dist.	-7367 May 27 j 00:53	9° $\mathbf{\text{Y}}$ 56'12	19.34372 AU
min. Earth dist.	-7374 Oct 25 j 02:27	9° $\mathbf{\text{H}}$ 21'37	17.62068 AU				
direct	-7373 Jan 07 j 14:59	7° $\mathbf{\text{H}}$ 19'08		conjunction	-7367 May 28 j 11:06	10° $\mathbf{\text{Y}}$ 01'34	-0°12'10
evening set	-7373 Apr 12 j 19:30	10° $\mathbf{\text{H}}$ 43'12		minimum elong	-7367 May 28 j 11:06	10° $\mathbf{\text{Y}}$ 01'34	0°12'08
max. Earth dist.	-7373 Apr 28 j 07:46	11° $\mathbf{\text{H}}$ 39'46	19.59300 AU	behind sun begin	-7367 May 28 j 06:36	10° $\mathbf{\text{Y}}$ 00'53	
				behind sun end	-7367 May 28 j 15:36	10° $\mathbf{\text{Y}}$ 02'15	
conjunction	-7373 Apr 29 j 14:42	11° $\mathbf{\text{H}}$ 44'31	-0°37'30	morning rise	-7367 Jun 13 j 21:39	11° $\mathbf{\text{Y}}$ 02'57	
minimum elong	-7373 Apr 29 j 14:43	11° $\mathbf{\text{H}}$ 44'31	0°37'43	retrograde	-7367 Sep 13 j 06:37	14° $\mathbf{\text{Y}}$ 24'21	
morning rise	-7373 May 16 j 07:16	12° $\mathbf{\text{H}}$ 45'29		opposition	-7367 Nov 25 j 08:40	12° $\mathbf{\text{Y}}$ 22'17	-0°10'57
retrograde	-7373 Aug 16 j 09:39	16° $\mathbf{\text{H}}$ 04'32		min. Earth dist.	-7367 Nov 26 j 13:22	12° $\mathbf{\text{Y}}$ 19'09	17.33010 AU
opposition	-7373 Oct 28 j 19:50	14° $\mathbf{\text{H}}$ 02'20	-0°39'47	direct	-7366 Feb 09 j 16:13	10° $\mathbf{\text{Y}}$ 15'42	
min. Earth dist.	-7373 Oct 29 j 21:21	13° $\mathbf{\text{H}}$ 59'33	17.56708 AU	evening set	-7366 May 17 j 01:35	13° $\mathbf{\text{Y}}$ 46'20	
direct	-7372 Jan 12 j 13:40	11° $\mathbf{\text{H}}$ 56'48		max. Earth dist.	-7366 Jun 01 j 06:23	14° $\mathbf{\text{Y}}$ 43'09	19.31669 AU
evening set	-7372 Apr 16 j 22:30	15° $\mathbf{\text{H}}$ 22'04					
max. Earth dist.	-7372 May 02 j 09:57	16° $\mathbf{\text{H}}$ 18'45	19.54141 AU	conjunction	-7366 Jun 02 j 15:11	14° $\mathbf{\text{Y}}$ 48'19	-0°07'26
				minimum elong	-7366 Jun 02 j 15:11	14° $\mathbf{\text{Y}}$ 48'19	0°07'23
conjunction	-7372 May 03 j 17:15	16° $\mathbf{\text{H}}$ 23'34	-0°33'48	behind sun begin	-7366 Jun 02 j 09:03	14° $\mathbf{\text{Y}}$ 47'22	
minimum elong	-7372 May 03 j 17:15	16° $\mathbf{\text{H}}$ 23'34	0°33'58	behind sun end	-7366 Jun 02 j 21:20	14° $\mathbf{\text{Y}}$ 49'15	
morning rise	-7372 May 20 j 08:50	17° $\mathbf{\text{H}}$ 24'40		morning rise	-7366 Jun 19 j 00:24	15° $\mathbf{\text{Y}}$ 49'40	
retrograde	-7372 Aug 20 j 06:55	20° $\mathbf{\text{H}}$ 44'12		retrograde	-7366 Sep 18 j 05:59	19° $\mathbf{\text{Y}}$ 11'16	
opposition	-7372 Nov 01 j 15:54	18° $\mathbf{\text{H}}$ 42'03	-0°35'33	opposition	-7366 Nov 30 j 09:13	17° $\mathbf{\text{Y}}$ 09'11	-0°05'37
min. Earth dist.	-7372 Nov 02 j 19:06	18° $\mathbf{\text{H}}$ 39'05	17.51761 AU	min. Earth dist.	-7366 Dec 01 j 13:55	17° $\mathbf{\text{Y}}$ 06'03	17.30543 AU
direct	-7371 Jan 16 j 10:48	16° $\mathbf{\text{H}}$ 36'18		direct	-7365 Feb 14 j 19:23	15° $\mathbf{\text{Y}}$ 02'30	
evening set	-7371 Apr 22 j 02:09	20° $\mathbf{\text{H}}$ 02'43		evening set	-7365 May 22 j 06:43	18° $\mathbf{\text{Y}}$ 33'38	
max. Earth dist.	-7371 May 07 j 11:30	20° $\mathbf{\text{H}}$ 59'19	19.49406 AU	max. Earth dist.	-7365 Jun 06 j 09:39	19° $\mathbf{\text{Y}}$ 30'19	19.29463 AU
conjunction	-7371 May 08 j 20:09	21° $\mathbf{\text{H}}$ 04'21	-0°29'52	conjunction	-7365 Jun 07 j 19:01	19° $\mathbf{\text{Y}}$ 35'34	-0°02'38
minimum elong	-7371 May 08 j 20:09	21° $\mathbf{\text{H}}$ 04'21	0°30'01	minimum elong	-7365 Jun 07 j 19:02	19° $\mathbf{\text{Y}}$ 35'34	0°02'31
morning rise	-7371 May 25 j 11:00	22° $\mathbf{\text{H}}$ 05'34		behind sun begin	-7365 Jun 07 j 12:19	19° $\mathbf{\text{Y}}$ 34'33	
retrograde	-7371 Aug 25 j 07:29	25° $\mathbf{\text{H}}$ 25'34		behind sun end	-7365 Jun 08 j 01:44	19° $\mathbf{\text{Y}}$ 36'36	
opposition	-7371 Nov 06 j 12:45	23° $\mathbf{\text{H}}$ 23'27	-0°31'02	morning rise	-7365 Jun 24 j 03:06	20° $\mathbf{\text{Y}}$ 36'54	
min. Earth dist.	-7371 Nov 07 j 15:46	23° $\mathbf{\text{H}}$ 20'30	17.47229 AU	retrograde	-7365 Sep 23 j 06:04	23° $\mathbf{\text{Y}}$ 58'40	
direct	-7370 Jan 21 j 11:03	21° $\mathbf{\text{H}}$ 17'31		opposition	-7365 Dec 05 j 10:24	21° $\mathbf{\text{Y}}$ 56'33	-0°00'14
evening set	-7370 Apr 27 j 06:06	24° $\mathbf{\text{H}}$ 44'59		min. Earth dist.	-7365 Dec 06 j 14:43	21° $\mathbf{\text{Y}}$ 53'28	17.28610 AU
				asc. node	-7365 Dec 20 j 14:14	21° $\mathbf{\text{Y}}$ 17'32	
conjunction	-7370 May 13 j 23:32	25° $\mathbf{\text{H}}$ 46'45	-0°25'42	direct	-7364 Feb 19 j 23:38	19° $\mathbf{\text{Y}}$ 49'46	
minimum elong	-7370 May 13 j 23:32	25° $\mathbf{\text{H}}$ 46'45	0°25'47	evening set	-7364 May 26 j 11:24	23° $\mathbf{\text{Y}}$ 21'17	
max. Earth dist.	-7370 May 12 j 15:09	25° $\mathbf{\text{H}}$ 41'44	19.45060 AU				
morning rise	-7370 May 30 j 13:16	26° $\mathbf{\text{H}}$ 48'03		conjunction	-7364 Jun 11 j 22:36	24° $\mathbf{\text{Y}}$ 23'10	0°02'19
	-7370 Aug 12 j 22:10	0° $\mathbf{\text{Y}}$		minimum elong	-7364 Jun 11 j 22:37	24° $\mathbf{\text{Y}}$ 23'10	0°02'29
retrograde	-7370 Aug 30 j 06:01	0° $\mathbf{\text{Y}}$ 08'28		behind sun begin	-7364 Jun 11 j 15:55	24° $\mathbf{\text{Y}}$ 22'08	
	-7370 Sep 16 j 17:25	30° $\mathbf{\text{H}}$		behind sun end	-7364 Jun 12 j 05:19	24° $\mathbf{\text{Y}}$ 24'12	
opposition	-7370 Nov 11 j 10:38	28° $\mathbf{\text{H}}$ 06'23	-0°26'17	max. Earth dist.	-7364 Jun 10 j 15:12	24° $\mathbf{\text{Y}}$ 18'12	19.27809 AU
min. Earth dist.	-7370 Nov 12 j 15:01	28° $\mathbf{\text{H}}$ 03'17	17.43077 AU	morning rise	-7364 Jun 28 j 05:18	25° $\mathbf{\text{Y}}$ 24'25	
direct	-7369 Jan 26 j 09:47	26° $\mathbf{\text{H}}$ 00'16		retrograde	-7364 Sep 27 j 06:10	28° $\mathbf{\text{Y}}$ 46'17	
evening set	-7369 May 02 j 10:47	29° $\mathbf{\text{H}}$ 28'42		opposition	-7364 Dec 09 j 12:07	26° $\mathbf{\text{Y}}$ 44'10	0°05'10
	-7369 May 10 j 22:42	0° $\mathbf{\text{Y}}$		min. Earth dist.	-7364 Dec 10 j 15:24	26° $\mathbf{\text{Y}}$ 41'12	17.27241 AU
max. Earth dist.	-7369 May 17 j 17:19	0° $\mathbf{\text{Y}}$ 25'17	19.41101 AU	direct	-7363 Feb 24 j 04:36	24° $\mathbf{\text{Y}}$ 37'20	
				evening set	-7363 May 31 j 15:59	28° $\mathbf{\text{Y}}$ 09'06	
conjunction	-7369 May 19 j 03:13	0° $\mathbf{\text{Y}}$ 30'34	-0°21'21	max. Earth dist.	-7363 Jun 15 j 18:52	29° $\mathbf{\text{Y}}$ 06'00	19.26751 AU
minimum elong	-7369 May 19 j 03:13	0° $\mathbf{\text{Y}}$ 30'34	0°21'23				
morning rise	-7369 Jun 04 j 16:04	1° $\mathbf{\text{Y}}$ 31'55		conjunction	-7363 Jun 17 j 01:51	29° $\mathbf{\text{Y}}$ 10'53	0°07'07
retrograde	-7369 Sep 04 j 06:55	4° $\mathbf{\text{Y}}$ 52'43		minimum elong	-7363 Jun 17 j 01:50	29° $\mathbf{\text{Y}}$ 10'53	0°07'19
opposition	-7369 Nov 16 j 09:08	2° $\mathbf{\text{Y}}$ 50'39	-0°21'20	behind sun begin	-7363 Jun 16 j 19:42	29° $\mathbf{\text{Y}}$ 09'57	

Attention, astronomical year style is used: The year -7363 in astronomical counting style is the year 7364 BCE in historical counting style.

behind sun end	-7363 Jun 17 j 07:58	29° Υ 11'50	minimum elong	-7357 Jul 16 j 11:59	27° ♄ 53'35	0°34'11	
	-7363 Jun 30 j 01:37	0° ♄	max. Earth dist.	-7357 Jul 15 j 17:01	27° ♄ 50'35	19.34175 AU	
morning rise	-7363 Jul 03 j 07:17	0° ♄ 12'03	morning rise	-7357 Aug 01 j 09:38	28° ♄ 53'45		
retrograde	-7363 Oct 02 j 05:44	3° ♄ 34'00		-7357 Aug 19 j 23:59	0° ♄		
opposition	-7363 Dec 14 j 14:09	1° ♄ 31'53	0°10'31	retrograde	-7357 Oct 31 j 08:08	2° ♄ 15'17	
min. Earth dist.	-7363 Dec 15 j 16:50	1° ♄ 28'59	17.26513 AU	opposition	-7356 Jan 13 j 08:25	0° ♄ 13'51	0°39'48
	-7362 Jan 23 j 01:33	30° ♄		min. Earth dist.	-7356 Jan 14 j 01:39	0° ♄ 12'01	17.35768 AU
direct	-7362 Mar 01 j 08:54	29° Υ 25'02			-7356 Jan 18 j 18:14	30° ♄	
	-7362 Apr 07 j 00:07	0° ♄		direct	-7356 Mar 30 j 11:19	28° ♄ 08'11	
evening set	-7362 Jun 05 j 20:05	2° ♄ 56'56			-7356 Jun 05 j 20:13	0° ♄	
max. Earth dist.	-7362 Jun 20 j 23:52	3° ♄ 54'03	19.26351 AU	evening set	-7356 Jul 04 j 11:11	1° ♄ 38'29	
conjunction	-7362 Jun 22 j 04:43	3° ♄ 58'37	0°11'52	conjunction	-7356 Jul 20 j 11:32	2° ♄ 38'58	0°37'34
minimum elong	-7362 Jun 22 j 04:43	3° ♄ 58'37	0°12'07	minimum elong	-7356 Jul 20 j 11:32	2° ♄ 38'58	0°37'59
behind sun begin	-7362 Jun 22 j 00:12	3° ♄ 57'55		max. Earth dist.	-7356 Jul 19 j 17:59	2° ♄ 36'12	19.37432 AU
behind sun end	-7362 Jun 22 j 09:14	3° ♄ 59'19		morning rise	-7356 Aug 05 j 08:10	3° ♄ 38'55	
morning rise	-7362 Jul 08 j 08:50	4° ♄ 59'39		retrograde	-7356 Nov 04 j 08:45	7° ♄ 00'14	
retrograde	-7362 Oct 07 j 06:29	8° ♄ 21'37		opposition	-7355 Jan 17 j 11:53	4° ♄ 58'56	0°43'53
opposition	-7362 Dec 19 j 16:34	6° ♄ 19'33	0°15'48	min. Earth dist.	-7355 Jan 18 j 02:11	4° ♄ 57'25	17.39244 AU
min. Earth dist.	-7362 Dec 20 j 17:21	6° ♄ 16'52	17.26434 AU	direct	-7355 Apr 04 j 16:36	2° ♄ 53'35	
direct	-7361 Mar 06 j 14:38	4° ♄ 12'46		evening set	-7355 Jul 09 j 11:29	6° ♄ 23'10	
evening set	-7361 Jun 10 j 23:57	7° ♄ 44'40		conjunction	-7355 Jul 25 j 10:40	7° ♄ 23'25	0°41'05
max. Earth dist.	-7361 Jun 26 j 03:39	8° ♄ 41'51	19.26612 AU	minimum elong	-7355 Jul 25 j 10:40	7° ♄ 23'25	0°41'31
conjunction	-7361 Jun 27 j 07:10	8° ♄ 46'13	0°16'32	max. Earth dist.	-7355 Jul 24 j 20:08	7° ♄ 21'07	19.41112 AU
minimum elong	-7361 Jun 27 j 07:10	8° ♄ 46'13	0°16'48	morning rise	-7355 Aug 10 j 06:01	8° ♄ 23'07	
morning rise	-7361 Jul 13 j 09:56	9° ♄ 47'07		retrograde	-7355 Nov 09 j 07:10	11° ♄ 44'09	
retrograde	-7361 Oct 12 j 05:52	13° ♄ 09'05		opposition	-7354 Jan 22 j 15:12	9° ♄ 42'58	0°47'38
opposition	-7361 Dec 24 j 19:22	11° ♄ 07'05	0°20'58	min. Earth dist.	-7354 Jan 23 j 04:34	9° ♄ 41'32	17.43122 AU
min. Earth dist.	-7361 Dec 25 j 19:24	11° ♄ 04'29	17.27045 AU	direct	-7354 Apr 09 j 20:35	7° ♄ 37'55	
direct	-7360 Mar 10 j 18:25	9° ♄ 00'25		evening set	-7354 Jul 14 j 11:06	11° ♄ 06'43	
evening set	-7360 Jun 15 j 03:21	12° ♄ 32'15		conjunction	-7354 Jul 30 j 08:53	12° ♄ 06'40	0°44'19
max. Earth dist.	-7360 Jun 30 j 07:44	13° ♄ 29'35	19.27572 AU	minimum elong	-7354 Jul 30 j 08:53	12° ♄ 06'40	0°44'46
conjunction	-7360 Jul 01 j 09:12	13° ♄ 33'37	0°21'06	max. Earth dist.	-7354 Jul 29 j 19:28	12° ♄ 04'33	19.45182 AU
minimum elong	-7360 Jul 01 j 09:12	13° ♄ 33'37	0°21'24	morning rise	-7354 Aug 15 j 03:23	13° ♄ 06'07	
morning rise	-7360 Jul 17 j 10:42	14° ♄ 34'22		retrograde	-7354 Nov 14 j 06:09	16° ♄ 26'49	
	-7360 Jul 24 j 10:16	15° ♄		opposition	-7353 Jan 27 j 18:17	14° ♄ 25'44	0°51'03
retrograde	-7360 Oct 16 j 07:25	17° ♄ 56'17		min. Earth dist.	-7353 Jan 28 j 04:46	14° ♄ 24'37	17.47367 AU
opposition	-7360 Dec 28 j 22:23	15° ♄ 54'24	0°25'59	direct	-7353 Apr 15 j 01:23	12° ♄ 20'59	
min. Earth dist.	-7360 Dec 29 j 19:50	15° ♄ 52'05	17.28328 AU	evening set	-7353 Jul 19 j 09:40	15° ♄ 48'52	
	-7359 Jan 19 j 15:50	15° ♄		conjunction	-7353 Aug 04 j 06:24	16° ♄ 48'32	0°47'13
direct	-7359 Mar 15 j 23:47	13° ♄ 47'56		minimum elong	-7353 Aug 04 j 06:24	16° ♄ 48'32	0°47'41
	-7359 May 08 j 05:36	15° ♄		max. Earth dist.	-7353 Aug 03 j 20:18	16° ♄ 46'56	19.49595 AU
evening set	-7359 Jun 20 j 06:04	17° ♄ 19'32		morning rise	-7353 Aug 19 j 23:44	17° ♄ 47'43	
max. Earth dist.	-7359 Jul 05 j 11:18	18° ♄ 17'02	19.29183 AU	retrograde	-7353 Nov 19 j 03:35	21° ♄ 08'02	
conjunction	-7359 Jul 06 j 10:36	18° ♄ 20'44	0°25'31	opposition	-7352 Feb 01 j 21:15	19° ♄ 07'01	0°54'06
minimum elong	-7359 Jul 06 j 10:36	18° ♄ 20'43	0°25'51	min. Earth dist.	-7352 Feb 02 j 06:18	19° ♄ 06'04	17.51943 AU
morning rise	-7359 Jul 22 j 10:46	19° ♄ 21'18		direct	-7352 Apr 19 j 05:11	17° ♄ 02'36	
retrograde	-7359 Oct 21 j 07:08	22° ♄ 43'08		evening set	-7352 Jul 23 j 07:29	20° ♄ 29'27	
opposition	-7358 Jan 03 j 01:40	20° ♄ 41'24	0°30'49	conjunction	-7352 Aug 08 j 02:55	21° ♄ 28'49	0°49'48
min. Earth dist.	-7358 Jan 03 j 22:23	20° ♄ 39'10	17.30253 AU	minimum elong	-7352 Aug 08 j 02:55	21° ♄ 28'48	0°50'17
direct	-7358 Mar 21 j 03:00	18° ♄ 35'09		max. Earth dist.	-7352 Aug 07 j 18:03	21° ♄ 27'25	19.54347 AU
evening set	-7358 Jun 25 j 08:26	22° ♄ 06'27		morning rise	-7352 Aug 23 j 19:33	22° ♄ 27'44	
conjunction	-7358 Jul 11 j 11:32	23° ♄ 07'26	0°29'45	retrograde	-7352 Nov 23 j 01:02	25° ♄ 47'38	
minimum elong	-7358 Jul 11 j 11:32	23° ♄ 07'26	0°30'07	opposition	-7351 Feb 05 j 23:38	23° ♄ 46'39	0°56'47
max. Earth dist.	-7358 Jul 10 j 13:55	23° ♄ 04'00	19.31412 AU	min. Earth dist.	-7351 Feb 06 j 05:50	23° ♄ 46'00	17.56865 AU
morning rise	-7358 Jul 27 j 10:33	24° ♄ 07'49		direct	-7351 Apr 24 j 08:16	21° ♄ 42'30	
retrograde	-7358 Oct 26 j 08:31	27° ♄ 29'31		evening set	-7351 Jul 28 j 04:00	25° ♄ 08'16	
opposition	-7357 Jan 08 j 04:49	25° ♄ 27'56	0°35'26	conjunction	-7351 Aug 12 j 22:35	26° ♄ 07'19	0°52'02
min. Earth dist.	-7357 Jan 08 j 22:49	25° ♄ 26'00	17.32752 AU	minimum elong	-7351 Aug 12 j 22:35	26° ♄ 07'19	0°52'31
direct	-7357 Mar 26 j 07:58	23° ♄ 21'58		max. Earth dist.	-7351 Aug 12 j 17:18	26° ♄ 06'29	19.59431 AU
evening set	-7357 Jun 30 j 10:10	26° ♄ 52'49		morning rise	-7351 Aug 28 j 14:17	27° ♄ 05'59	
conjunction	-7357 Jul 16 j 11:59	27° ♄ 53'35	0°33'47		-7351 Oct 28 j 09:29	0° ♄	

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Attention, astronomical year style is used: The year -7351 in astronomical counting style is the year 7352 BCE in historical counting style.

retrograde	-7351 Nov 27 j 21:22	0°☾25'23		conjunction	-7344 Sep 12 j 14:08	27°☾42'40	0°57'45
	-7351 Dec 29 j 07:10	30°☿II		minimum elong	-7344 Sep 12 j 14:08	27°☾42'40	0°58'13
opposition	-7350 Feb 11 j 01:35	28°II24'27	0°59'03	max. Earth dist.	-7344 Sep 13 j 02:16	27°☾44'32	20.04024 AU
min. Earth dist.	-7350 Feb 11 j 05:52	28°II24'00	17.62105 AU	morning rise	-7344 Sep 28 j 02:58	28°☾39'30	
direct	-7350 Apr 29 j 10:20	26°II20'37			-7344 Oct 21 j 22:32	0°♈	
evening set	-7350 Aug 01 j 23:45	29°II45'11		retrograde	-7344 Dec 29 j 08:10	1°♈55'08	
	-7350 Aug 06 j 00:03	0°☾			-7343 Mar 13 j 19:40	30°☿☾	
				opposition	-7343 Mar 15 j 21:27	29°☾54'54	1°03'54
conjunction	-7350 Aug 17 j 17:09	0°☾43'55	0°53'54	min. Earth dist.	-7343 Mar 15 j 08:27	29°☾56'14	18.07638 AU
minimum elong	-7350 Aug 17 j 17:09	0°☾43'55	0°54'25	direct	-7343 May 31 j 21:50	27°☾53'55	
max. Earth dist.	-7350 Aug 17 j 13:22	0°☾43'20	19.64844 AU		-7343 Aug 12 j 04:39	0°♈	
morning rise	-7350 Sep 02 j 08:17	1°☾42'18		evening set	-7343 Sep 01 j 13:48	1°♈09'25	
retrograde	-7350 Dec 02 j 17:44	5°☾01'12					
opposition	-7349 Feb 16 j 02:52	3°☾00'18	1°00'56	conjunction	-7343 Sep 17 j 02:52	2°♈06'03	0°57'10
min. Earth dist.	-7349 Feb 16 j 04:26	3°☾00'09	17.67696 AU	minimum elong	-7343 Sep 17 j 02:52	2°♈06'03	0°57'38
direct	-7349 May 04 j 11:17	0°☾56'46		max. Earth dist.	-7343 Sep 17 j 17:35	2°♈08'18	20.11225 AU
evening set	-7349 Aug 06 j 18:18	4°☾20'07		morning rise	-7343 Oct 02 j 15:35	3°♈02'38	
				retrograde	-7342 Jan 03 j 02:03	6°♈17'42	
conjunction	-7349 Aug 22 j 10:57	5°☾18'32	0°55'26	opposition	-7342 Mar 20 j 17:59	4°♈17'38	1°03'03
minimum elong	-7349 Aug 22 j 10:57	5°☾18'32	0°55'56	min. Earth dist.	-7342 Mar 20 j 02:11	4°♈19'15	18.14833 AU
max. Earth dist.	-7349 Aug 22 j 10:53	5°☾18'32	19.70608 AU	direct	-7342 Jun 05 j 17:48	2°♈17'06	
morning rise	-7349 Sep 07 j 01:18	6°☾16'39		evening set	-7342 Sep 06 j 02:03	5°♈31'17	
retrograde	-7349 Dec 07 j 13:14	9°☾35'00					
opposition	-7348 Feb 21 j 03:44	7°☾34'10	1°02'25	conjunction	-7342 Sep 21 j 14:44	6°♈27'38	0°56'16
min. Earth dist.	-7348 Feb 21 j 02:40	7°☾34'17	17.73631 AU	minimum elong	-7342 Sep 21 j 14:44	6°♈27'38	0°56'42
direct	-7348 May 08 j 11:34	5°☾30'59		max. Earth dist.	-7342 Sep 22 j 07:07	6°♈30'08	20.18396 AU
evening set	-7348 Aug 10 j 11:54	8°☾53'03		morning rise	-7342 Oct 07 j 03:32	7°♈24'00	
				retrograde	-7341 Jan 07 j 16:30	10°♈38'32	
conjunction	-7348 Aug 26 j 03:34	9°☾51'09	0°56'36	opposition	-7341 Mar 25 j 13:56	8°♈38'34	1°01'50
minimum elong	-7348 Aug 26 j 03:34	9°☾51'09	0°57'05	min. Earth dist.	-7341 Mar 24 j 21:11	8°♈40'17	18.21982 AU
max. Earth dist.	-7348 Aug 26 j 05:19	9°☾51'26	19.76722 AU	direct	-7341 Jun 10 j 10:57	6°♈38'28	
morning rise	-7348 Sep 10 j 17:33	10°☾49'00		evening set	-7341 Sep 10 j 13:30	9°♈51'21	
retrograde	-7348 Dec 11 j 08:34	14°☾06'49					
opposition	-7347 Feb 25 j 03:53	12°☾06'03	1°03'30	conjunction	-7341 Sep 26 j 02:05	10°♈47'26	0°55'02
min. Earth dist.	-7347 Feb 25 j 00:16	12°☾06'26	17.79927 AU	minimum elong	-7341 Sep 26 j 02:05	10°♈47'26	0°55'26
direct	-7347 May 13 j 10:26	10°☾03'14		max. Earth dist.	-7341 Sep 26 j 20:30	10°♈50'14	20.25495 AU
evening set	-7347 Aug 15 j 04:29	13°☾24'01		morning rise	-7341 Oct 11 j 14:58	11°♈43'34	
				retrograde	-7340 Jan 12 j 09:06	14°♈57'32	
conjunction	-7347 Aug 30 j 19:34	14°☾21'49	0°57'25	opposition	-7340 Mar 29 j 08:57	12°♈57'41	1°00'17
minimum elong	-7347 Aug 30 j 19:34	14°☾21'49	0°57'55	min. Earth dist.	-7340 Mar 28 j 13:33	12°♈59'39	18.29010 AU
max. Earth dist.	-7347 Aug 31 j 00:49	14°☾22'38	19.83180 AU	direct	-7340 Jun 14 j 05:41	10°♈58'00	
morning rise	-7347 Sep 15 j 08:59	15°☾19'23		evening set	-7340 Sep 14 j 00:09	14°♈09'33	
retrograde	-7347 Dec 16 j 03:20	18°☾36'39			-7340 Sep 28 j 00:55	15°♈	
opposition	-7346 Mar 02 j 03:09	16°☾36'00	1°04'11				
min. Earth dist.	-7346 Mar 01 j 20:39	16°☾36'41	17.86528 AU	conjunction	-7340 Sep 29 j 12:37	15°♈05'24	0°53'30
direct	-7346 May 18 j 09:06	14°☾33'37		minimum elong	-7340 Sep 29 j 12:37	15°♈05'24	0°53'54
evening set	-7346 Aug 19 j 20:15	17°☾53'06		max. Earth dist.	-7340 Sep 30 j 08:32	15°♈08'24	20.32435 AU
				morning rise	-7340 Oct 15 j 01:47	16°♈01'20	
conjunction	-7346 Sep 04 j 10:34	18°☾50'35	0°57'53	retrograde	-7339 Jan 15 j 21:54	19°♈14'44	
minimum elong	-7346 Sep 04 j 10:34	18°☾50'35	0°58'21	min. Earth dist.	-7339 Apr 02 j 07:21	17°♈16'58	18.35866 AU
max. Earth dist.	-7346 Sep 04 j 17:39	18°☾51'41	19.89923 AU	opposition	-7339 Apr 03 j 03:17	17°♈14'57	0°58'23
morning rise	-7346 Sep 19 j 23:46	19°☾47'54		direct	-7339 Jun 18 j 20:53	15°♈15'37	
retrograde	-7346 Dec 20 j 21:21	23°☾04'37		evening set	-7339 Sep 18 j 10:03	18°♈25'53	
opposition	-7345 Mar 07 j 01:59	21°☾04'06	1°04'29				
min. Earth dist.	-7345 Mar 06 j 17:25	21°☾04'59	17.93403 AU	conjunction	-7339 Oct 03 j 22:35	19°♈21'29	0°51'41
direct	-7345 May 23 j 05:43	19°☾02'10		minimum elong	-7339 Oct 03 j 22:35	19°♈21'29	0°52'02
evening set	-7345 Aug 24 j 10:51	22°☾20'20		max. Earth dist.	-7339 Oct 04 j 20:02	19°♈24'42	20.39189 AU
				morning rise	-7339 Oct 19 j 12:01	20°♈17'13	
conjunction	-7345 Sep 09 j 00:44	23°☾17'31	0°57'59	retrograde	-7338 Jan 20 j 12:29	23°♈30'02	
minimum elong	-7345 Sep 09 j 00:44	23°☾17'31	0°58'28	opposition	-7338 Apr 07 j 20:27	21°♈30'18	0°56'12
max. Earth dist.	-7345 Sep 09 j 11:02	23°☾19'07	19.96903 AU	min. Earth dist.	-7338 Apr 06 j 22:04	21°♈32'33	18.42507 AU
morning rise	-7345 Sep 24 j 13:36	24°☾14'35		direct	-7338 Jun 23 j 13:52	19°♈31'18	
retrograde	-7345 Dec 25 j 15:47	27°☾30'46		evening set	-7338 Sep 22 j 19:11	22°♈40'17	
opposition	-7344 Mar 11 j 00:06	25°☾30'24	1°04'23				
min. Earth dist.	-7344 Mar 10 j 12:31	25°☾31'35	18.00459 AU	conjunction	-7338 Oct 08 j 07:46	23°♈35'40	0°49'36
direct	-7344 May 27 j 03:09	23°☾28'56		minimum elong	-7338 Oct 08 j 07:46	23°♈35'40	0°49'57
evening set	-7344 Aug 28 j 00:48	26°☾45'46		max. Earth dist.	-7338 Oct 09 j 06:44	23°♈39'06	20.45718 AU

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Attention, astronomical year style is used: The year -7338 in astronomical counting style is the year 7339 BCE in historical counting style.

morning rise	-7338 Oct 23 j 21:38	24° Ω 31'13		direct	-7331 Jul 22 j 21:24	18° η 31'09	
retrograde	-7337 Jan 24 j 23:45	27° Ω 43'28		evening set	-7331 Oct 20 j 16:55	21° η 32'33	
opposition	-7337 Apr 12 j 13:05	25° Ω 43'44	0°53'43				
min. Earth dist.	-7337 Apr 11 j 14:20	25° Ω 46'02	18.48939 AU	conjunction	-7331 Nov 05 j 08:19	22° η 26'49	0°29'00
direct	-7337 Jun 28 j 03:21	23° Ω 45'02		minimum elong	-7331 Nov 05 j 08:19	22° η 26'49	0°29'08
evening set	-7337 Sep 27 j 03:22	26° Ω 52'45		max. Earth dist.	-7331 Nov 06 j 15:42	22° η 31'23	20.86106 AU
				morning rise	-7331 Nov 21 j 02:46	23° η 21'29	
conjunction	-7337 Oct 12 j 16:11	27° Ω 47'56	0°47'16	retrograde	-7330 Feb 23 j 03:05	26° η 30'21	
minimum elong	-7337 Oct 12 j 16:11	27° Ω 47'56	0°47'34	min. Earth dist.	-7330 May 11 j 01:59	24° η 34'00	18.88588 AU
max. Earth dist.	-7337 Oct 13 j 16:36	27° Ω 51'34	20.52054 AU	opposition	-7330 May 12 j 09:11	24° η 30'53	0°30'03
morning rise	-7337 Oct 28 j 06:31	28° Ω 43'19		direct	-7330 Jul 27 j 06:33	22° η 34'09	
	-7337 Nov 20 j 14:18	0° η		evening set	-7330 Oct 24 j 21:51	25° η 34'46	
retrograde	-7336 Jan 29 j 12:48	1° η 54'59					
	-7336 Apr 14 j 05:31	30° κ Ω		conjunction	-7330 Nov 09 j 13:53	26° η 28'55	0°25'24
min. Earth dist.	-7336 Apr 15 j 03:27	29° Ω 57'48	18.55174 AU	minimum elong	-7330 Nov 09 j 13:53	26° η 28'55	0°25'29
opposition	-7336 Apr 16 j 04:40	29° Ω 55'15	0°50'58	max. Earth dist.	-7330 Nov 10 j 22:16	26° η 33'37	20.90889 AU
direct	-7336 Jul 01 j 17:54	27° Ω 56'50		morning rise	-7330 Nov 25 j 09:10	27° η 23'33	
	-7336 Sep 11 j 08:54	0° η			-7329 Jan 22 j 00:30	0° Ω	
evening set	-7336 Sep 30 j 11:02	1° η 03'21		retrograde	-7329 Feb 27 j 11:25	0° Ω 32'04	
					-7329 Apr 05 j 22:24	30° κ η	
conjunction	-7336 Oct 16 j 00:05	1° η 58'19	0°44'42	opposition	-7329 May 16 j 19:41	28° η 32'40	0°25'59
minimum elong	-7336 Oct 16 j 00:05	1° η 58'19	0°44'59	min. Earth dist.	-7329 May 15 j 13:07	28° η 35'44	18.93187 AU
max. Earth dist.	-7336 Oct 17 j 02:09	2° η 02'11	20.58188 AU	direct	-7329 Jul 31 j 13:12	26° η 36'12	
morning rise	-7336 Oct 31 j 14:59	2° η 53'33		evening set	-7329 Oct 29 j 02:31	29° η 36'04	
retrograde	-7335 Feb 01 j 22:56	6° η 04'40			-7329 Nov 05 j 02:31	0° Ω	
opposition	-7335 Apr 20 j 19:20	4° η 04'56	0°47'59				
min. Earth dist.	-7335 Apr 19 j 17:53	4° η 07'29	18.61232 AU	conjunction	-7329 Nov 13 j 19:16	0° Ω 30'09	0°21'41
direct	-7335 Jul 06 j 05:26	2° η 06'47		minimum elong	-7329 Nov 13 j 19:17	0° Ω 30'09	0°21'44
evening set	-7335 Oct 04 j 18:01	5° η 12'08		max. Earth dist.	-7329 Nov 15 j 03:34	0° Ω 34'50	20.95292 AU
				morning rise	-7329 Nov 29 j 15:30	1° Ω 24'44	
conjunction	-7335 Oct 20 j 07:25	6° η 06'56	0°41'55	retrograde	-7328 Mar 02 j 21:47	4° Ω 32'57	
minimum elong	-7335 Oct 20 j 07:25	6° η 06'56	0°42'10	min. Earth dist.	-7328 May 18 j 22:06	2° Ω 36'45	18.97367 AU
max. Earth dist.	-7335 Oct 21 j 10:38	6° η 10'57	20.64164 AU	opposition	-7328 May 20 j 05:30	2° Ω 33'37	0°21'49
morning rise	-7335 Nov 04 j 22:54	7° η 02'01		direct	-7328 Aug 03 j 21:21	0° Ω 37'22	
retrograde	-7334 Feb 06 j 10:40	10° η 12'37		evening set	-7328 Nov 01 j 07:13	3° Ω 36'34	
min. Earth dist.	-7334 Apr 24 j 05:20	8° η 15'41	18.67123 AU				
opposition	-7334 Apr 25 j 09:08	8° η 12'54	0°44'47	conjunction	-7328 Nov 17 j 00:44	4° Ω 30'37	0°17'52
direct	-7334 Jul 10 j 17:34	6° η 15'01		minimum elong	-7328 Nov 17 j 00:44	4° Ω 30'37	0°17'53
evening set	-7334 Oct 09 j 00:21	9° η 19'17		max. Earth dist.	-7328 Nov 18 j 09:28	4° Ω 35'20	20.99224 AU
				morning rise	-7328 Dec 02 j 21:51	5° Ω 25'09	
conjunction	-7334 Oct 24 j 14:06	10° η 13'55	0°38'57	retrograde	-7327 Mar 07 j 05:41	8° Ω 33'04	
minimum elong	-7334 Oct 24 j 14:07	10° η 13'55	0°39'09	min. Earth dist.	-7327 May 23 j 08:25	6° Ω 36'49	19.01052 AU
max. Earth dist.	-7334 Oct 25 j 18:56	10° η 18'10	20.69960 AU	opposition	-7327 May 24 j 14:41	6° Ω 33'48	0°17'32
morning rise	-7334 Nov 09 j 06:14	11° η 08'53		direct	-7327 Aug 08 j 03:22	4° Ω 37'44	
retrograde	-7333 Feb 10 j 20:09	14° η 18'59		evening set	-7327 Nov 05 j 11:45	7° Ω 36'20	
opposition	-7333 Apr 29 j 22:21	12° η 19'19	0°41'22				
min. Earth dist.	-7333 Apr 28 j 18:21	12° η 22'07	18.72838 AU	conjunction	-7327 Nov 21 j 06:04	8° Ω 30'20	0°13'59
direct	-7333 Jul 15 j 03:11	10° η 21'44		minimum elong	-7327 Nov 21 j 06:04	8° Ω 30'20	0°13'58
evening set	-7333 Oct 13 j 06:16	13° η 24'58		behind sun begin	-7327 Nov 21 j 02:39	8° Ω 29'51	
				behind sun end	-7327 Nov 21 j 09:29	8° Ω 30'49	
conjunction	-7333 Oct 28 j 20:31	14° η 19'27	0°35'47	max. Earth dist.	-7327 Nov 22 j 14:05	8° Ω 34'56	21.02654 AU
minimum elong	-7333 Oct 28 j 20:31	14° η 19'27	0°35'59	morning rise	-7327 Dec 07 j 04:10	9° Ω 24'52	
max. Earth dist.	-7333 Oct 30 j 02:12	14° η 23'49	20.75586 AU	retrograde	-7326 Mar 11 j 15:15	12° Ω 32'31	
morning rise	-7333 Nov 13 j 13:23	15° η 14'18		opposition	-7326 May 28 j 23:25	10° Ω 33'15	0°13'12
retrograde	-7332 Feb 15 j 07:24	18° η 23'58		min. Earth dist.	-7326 May 27 j 16:45	10° Ω 36'19	19.04210 AU
min. Earth dist.	-7332 May 02 j 04:36	16° η 27'21	18.78358 AU	direct	-7326 Aug 12 j 10:10	8° Ω 37'20	
opposition	-7332 May 03 j 10:36	16° η 24'20	0°37'46	evening set	-7326 Nov 09 j 16:03	11° Ω 35'23	
direct	-7332 Jul 18 j 13:33	14° η 27'02					
evening set	-7332 Oct 16 j 11:45	17° η 29'20		conjunction	-7326 Nov 25 j 11:13	12° Ω 29'22	0°10'03
				minimum elong	-7326 Nov 25 j 11:13	12° Ω 29'22	0°10'01
conjunction	-7332 Nov 01 j 02:34	18° η 23'42	0°32'28	behind sun begin	-7326 Nov 25 j 05:53	12° Ω 28'37	
minimum elong	-7332 Nov 01 j 02:34	18° η 23'42	0°32'37	behind sun end	-7326 Nov 25 j 16:33	12° Ω 30'07	
max. Earth dist.	-7332 Nov 02 j 09:34	18° η 28'14	20.80980 AU	max. Earth dist.	-7326 Nov 26 j 19:24	12° Ω 33'59	21.05528 AU
morning rise	-7332 Nov 16 j 20:12	19° η 18'28		morning rise	-7326 Dec 11 j 10:16	13° Ω 23'54	
retrograde	-7331 Feb 18 j 16:14	22° η 27'42		retrograde	-7325 Mar 15 j 22:36	16° Ω 31'19	
opposition	-7331 May 07 j 22:19	20° η 28'09	0°33'59	min. Earth dist.	-7325 Jun 01 j 02:20	14° Ω 34'59	19.06807 AU
min. Earth dist.	-7331 May 06 j 16:33	20° η 31'08	18.83624 AU	opposition	-7325 Jun 02 j 07:46	14° Ω 32'02	0°08'48

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Attention, astronomical year style is used: The year -7325 in astronomical counting style is the year 7326 BCE in historical counting style.

direct	-7325 Aug 16 j 16:04	12° <u>♂</u> 36'12		conjunction	-7320 Dec 18 j 19:02	6° <u>♂</u> 12'40	-0°13'48
evening set	-7325 Nov 13 j 20:22	15° <u>♂</u> 33'47		minimum elong	-7320 Dec 18 j 19:02	6° <u>♂</u> 12'40	0°14'04
				behind sun begin	-7320 Dec 18 j 15:45	6° <u>♂</u> 12'13	
conjunction	-7325 Nov 29 j 16:25	16° <u>♂</u> 27'45	0°06'05	behind sun end	-7320 Dec 18 j 22:20	6° <u>♂</u> 13'07	
minimum elong	-7325 Nov 29 j 16:26	16° <u>♂</u> 27'45	0°06'00	max. Earth dist.	-7320 Dec 19 j 23:45	6° <u>♂</u> 16'44	21.12454 AU
behind sun begin	-7325 Nov 29 j 10:09	16° <u>♂</u> 26'52		morning rise	-7319 Jan 04 j 00:17	7° <u>♂</u> 07'30	
behind sun end	-7325 Nov 29 j 22:42	16° <u>♂</u> 28'37		retrograde	-7319 Apr 08 j 20:58	10° <u>♂</u> 14'10	
max. Earth dist.	-7325 Nov 30 j 23:38	16° <u>♂</u> 32'13	21.07864 AU	opposition	-7319 Jun 25 j 23:26	8° <u>♂</u> 14'32	-0°17'25
morning rise	-7325 Dec 15 j 16:33	17° <u>♂</u> 22'17		min. Earth dist.	-7319 Jun 24 j 22:06	8° <u>♂</u> 17'06	19.12399 AU
retrograde	-7324 Mar 19 j 07:42	20° <u>♂</u> 29'30		direct	-7319 Sep 08 j 20:13	6° <u>♂</u> 18'39	
min. Earth dist.	-7324 Jun 04 j 09:51	18° <u>♂</u> 33'07	19.08873 AU	evening set	-7319 Dec 06 j 23:00	9° <u>♂</u> 15'00	
opposition	-7324 Jun 05 j 15:21	18° <u>♂</u> 30'09	0°04'23				
direct	-7324 Aug 19 j 21:33	16° <u>♂</u> 34'21		conjunction	-7319 Dec 23 j 00:55	10° <u>♂</u> 09'18	-0°17'38
evening set	-7324 Nov 17 j 00:39	19° <u>♂</u> 31'32		minimum elong	-7319 Dec 23 j 00:55	10° <u>♂</u> 09'18	0°17'54
				max. Earth dist.	-7319 Dec 24 j 04:09	10° <u>♂</u> 13'10	21.12173 AU
conjunction	-7324 Dec 02 j 21:38	20° <u>♂</u> 25'31	0°02'05	morning rise	-7318 Jan 08 j 07:15	11° <u>♂</u> 04'14	
minimum elong	-7324 Dec 02 j 21:39	20° <u>♂</u> 25'31	0°01'59	retrograde	-7318 Apr 13 j 06:12	14° <u>♂</u> 10'56	
behind sun begin	-7324 Dec 02 j 15:03	20° <u>♂</u> 24'36		min. Earth dist.	-7318 Jun 29 j 04:12	12° <u>♂</u> 13'48	19.11920 AU
behind sun end	-7324 Dec 03 j 04:15	20° <u>♂</u> 26'26		opposition	-7318 Jun 30 j 05:03	12° <u>♂</u> 11'17	-0°21'37
max. Earth dist.	-7324 Dec 04 j 04:49	20° <u>♂</u> 29'58	21.09663 AU	direct	-7318 Sep 13 j 01:14	10° <u>♂</u> 15'21	
morning rise	-7324 Dec 18 j 22:47	21° <u>♂</u> 20'05		evening set	-7318 Dec 11 j 04:05	13° <u>♂</u> 11'48	
retrograde	-7323 Mar 23 j 14:13	24° <u>♂</u> 27'05					
desc. node	-7323 Jun 07 j 04:13	22° <u>♂</u> 34'21		conjunction	-7318 Dec 27 j 07:04	14° <u>♂</u> 06'14	-0°21'23
opposition	-7323 Jun 09 j 22:36	22° <u>♂</u> 27'41	-0°00'02	minimum elong	-7318 Dec 27 j 07:04	14° <u>♂</u> 06'14	0°21'42
min. Earth dist.	-7323 Jun 08 j 18:23	22° <u>♂</u> 30'31	19.10423 AU	max. Earth dist.	-7318 Dec 28 j 09:54	14° <u>♂</u> 10'02	21.11486 AU
direct	-7323 Aug 24 j 03:01	20° <u>♂</u> 31'54		morning rise	-7317 Jan 12 j 14:23	15° <u>♂</u> 01'17	
evening set	-7323 Nov 21 j 04:49	23° <u>♂</u> 28'44			-7317 Jan 12 j 05:09	15° <u>♂</u>	
				retrograde	-7317 Apr 17 j 13:01	18° <u>♂</u> 08'04	
conjunction	-7323 Dec 07 j 02:44	24° <u>♂</u> 22'45	-0°02'02	min. Earth dist.	-7317 Jul 03 j 11:28	16° <u>♂</u> 10'45	19.11020 AU
minimum elong	-7323 Dec 07 j 02:43	24° <u>♂</u> 22'44	0°02'12	opposition	-7317 Jul 04 j 10:38	16° <u>♂</u> 08'24	-0°25'43
behind sun begin	-7323 Dec 06 j 20:07	24° <u>♂</u> 21'50			-7317 Aug 03 j 12:59	15° <u>♂</u>	
behind sun end	-7323 Dec 07 j 09:19	24° <u>♂</u> 23'39		direct	-7317 Sep 17 j 04:24	14° <u>♂</u> 12'25	
max. Earth dist.	-7323 Dec 08 j 08:51	24° <u>♂</u> 27'02	21.10987 AU		-7317 Oct 30 j 16:24	15° <u>♂</u>	
morning rise	-7323 Dec 23 j 04:54	25° <u>♂</u> 17'21		evening set	-7317 Dec 15 j 09:48	17° <u>♂</u> 09'03	
retrograde	-7322 Mar 27 j 23:19	28° <u>♂</u> 24'13					
min. Earth dist.	-7322 Jun 13 j 01:03	26° <u>♂</u> 27'34	19.11523 AU	conjunction	-7317 Dec 31 j 13:48	18° <u>♂</u> 03'37	-0°25'03
opposition	-7322 Jun 14 j 05:17	26° <u>♂</u> 24'44	-0°04'26	minimum elong	-7317 Dec 31 j 13:48	18° <u>♂</u> 03'37	0°25'22
direct	-7322 Aug 28 j 07:55	24° <u>♂</u> 28'56		max. Earth dist.	-7316 Jan 01 j 14:44	18° <u>♂</u> 07'09	21.10383 AU
evening set	-7322 Nov 25 j 09:06	27° <u>♂</u> 25'30		morning rise	-7316 Jan 16 j 22:13	18° <u>♂</u> 58'48	
				retrograde	-7316 Apr 20 j 22:10	22° <u>♂</u> 05'42	
conjunction	-7322 Dec 11 j 07:59	28° <u>♂</u> 19'34	-0°06'00	opposition	-7316 Jul 07 j 15:58	20° <u>♂</u> 06'02	-0°29'43
minimum elong	-7322 Dec 11 j 07:59	28° <u>♂</u> 19'34	0°06'11	min. Earth dist.	-7316 Jul 06 j 17:49	20° <u>♂</u> 08'16	19.09689 AU
behind sun begin	-7322 Dec 11 j 01:42	28° <u>♂</u> 18'42		direct	-7316 Sep 20 j 09:11	18° <u>♂</u> 09'58	
behind sun end	-7322 Dec 11 j 14:15	28° <u>♂</u> 20'26		evening set	-7316 Dec 18 j 16:01	21° <u>♂</u> 06'52	
max. Earth dist.	-7322 Dec 12 j 14:07	28° <u>♂</u> 23'51	21.11868 AU				
morning rise	-7322 Dec 27 j 11:08	29° <u>♂</u> 14'14		conjunction	-7315 Jan 03 j 21:06	22° <u>♂</u> 01'35	-0°28'36
	-7321 Jan 10 j 15:21	0° <u>♂</u>		minimum elong	-7315 Jan 03 j 21:06	22° <u>♂</u> 01'35	0°28'58
retrograde	-7321 Apr 01 j 05:27	2° <u>♂</u> 20'59		max. Earth dist.	-7315 Jan 04 j 21:06	22° <u>♂</u> 04'59	21.08806 AU
min. Earth dist.	-7321 Jun 17 j 08:43	0° <u>♂</u> 24'09	19.12203 AU	morning rise	-7315 Jan 20 j 06:25	22° <u>♂</u> 56'54	
opposition	-7321 Jun 18 j 11:41	0° <u>♂</u> 21'26	-0°08'49	retrograde	-7315 Apr 25 j 05:53	26° <u>♂</u> 03'58	
	-7321 Jun 27 j 10:06	30° <u>♂</u> 19'19		opposition	-7315 Jul 11 j 21:26	24° <u>♂</u> 04'17	-0°33'35
direct	-7321 Sep 01 j 12:13	28° <u>♂</u> 25'37		min. Earth dist.	-7315 Jul 11 j 01:20	24° <u>♂</u> 06'20	19.07862 AU
	-7321 Nov 03 j 00:55	0° <u>♂</u>		direct	-7315 Sep 24 j 13:06	22° <u>♂</u> 08'07	
evening set	-7321 Nov 29 j 13:28	1° <u>♂</u> 22'01		evening set	-7315 Dec 22 j 22:40	25° <u>♂</u> 05'22	
conjunction	-7321 Dec 15 j 13:21	2° <u>♂</u> 16'09	-0°09'55	conjunction	-7314 Jan 08 j 04:43	26° <u>♂</u> 00'14	-0°32'02
minimum elong	-7321 Dec 15 j 13:21	2° <u>♂</u> 16'09	0°10'09	minimum elong	-7314 Jan 08 j 04:43	26° <u>♂</u> 00'14	0°32'24
behind sun begin	-7321 Dec 15 j 08:03	2° <u>♂</u> 15'25		max. Earth dist.	-7314 Jan 09 j 02:17	26° <u>♂</u> 03'18	21.06733 AU
behind sun end	-7321 Dec 15 j 18:39	2° <u>♂</u> 16'53		morning rise	-7314 Jan 24 j 15:04	26° <u>♂</u> 55'43	
max. Earth dist.	-7321 Dec 16 j 18:18	2° <u>♂</u> 20'16	21.12361 AU		-7314 Apr 18 j 12:41	0° <u>♂</u>	
morning rise	-7321 Dec 31 j 17:38	3° <u>♂</u> 10'53		retrograde	-7314 Apr 29 j 14:50	0° <u>♂</u> 02'59	
retrograde	-7320 Apr 04 j 14:48	6° <u>♂</u> 17'35			-7314 May 10 j 16:01	30° <u>♂</u>	
opposition	-7320 Jun 21 j 17:43	4° <u>♂</u> 17'59	-0°13'09	min. Earth dist.	-7314 Jul 15 j 08:13	28° <u>♂</u> 05'10	19.05521 AU
min. Earth dist.	-7320 Jun 20 j 14:56	4° <u>♂</u> 20'41	19.12500 AU	opposition	-7314 Jul 16 j 02:57	28° <u>♂</u> 03'15	-0°37'17
direct	-7320 Sep 04 j 17:06	2° <u>♂</u> 22'07		direct	-7314 Sep 28 j 17:49	26° <u>♂</u> 06'55	
evening set	-7320 Dec 02 j 18:08	5° <u>♂</u> 18'27		evening set	-7314 Dec 27 j 06:01	29° <u>♂</u> 04'36	

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Attention, astronomical year style is used: The year -7313 in astronomical counting style is the year 7314 BCE in historical counting style.

conjunction	-7313 Jan 12 j 13:09	29° $\overline{\text{M}}$ 59'39	-0°35'19	min. Earth dist.	-7307 Aug 12 j 15:48	26° $\overline{\text{X}}$ 19'44	18.75133 AU
minimum elong	-7313 Jan 12 j 13:09	29° $\overline{\text{M}}$ 59'39	0°35'42	direct	-7307 Oct 26 j 10:17	24° $\overline{\text{X}}$ 20'43	
	-7313 Jan 12 j 15:39	0° $\overline{\text{X}}$		evening set	-7306 Jan 25 j 02:12	27° $\overline{\text{X}}$ 23'11	
max. Earth dist.	-7313 Jan 13 j 09:20	0° $\overline{\text{X}}$ 02'30	21.04109 AU				
morning rise	-7313 Jan 29 j 00:20	0° $\overline{\text{X}}$ 55'17		conjunction	-7306 Feb 10 j 16:06	28° $\overline{\text{X}}$ 19'49	-0°52'48
retrograde	-7313 May 03 j 23:19	4° $\overline{\text{X}}$ 02'45		minimum elong	-7306 Feb 10 j 16:06	28° $\overline{\text{X}}$ 19'49	0°53'17
opposition	-7313 Jul 20 j 08:32	2° $\overline{\text{X}}$ 02'58	-0°40'50	max. Earth dist.	-7306 Feb 10 j 20:08	28° $\overline{\text{X}}$ 20'24	20.72298 AU
min. Earth dist.	-7313 Jul 19 j 16:04	2° $\overline{\text{X}}$ 04'39	19.02615 AU	morning rise	-7306 Feb 27 j 09:00	29° $\overline{\text{X}}$ 16'53	
direct	-7313 Oct 02 j 22:39	0° $\overline{\text{X}}$ 06'27			-7306 Mar 12 j 13:35	0° $\overline{\text{Z}}$	
evening set	-7313 Dec 31 j 13:58	3° $\overline{\text{X}}$ 04'35		retrograde	-7306 Jun 01 j 20:35	2° $\overline{\text{Z}}$ 26'36	
				opposition	-7306 Aug 17 j 03:43	0° $\overline{\text{Z}}$ 25'52	-0°59'24
conjunction	-7312 Jan 16 j 22:07	3° $\overline{\text{X}}$ 59'50	-0°38'26	min. Earth dist.	-7306 Aug 17 j 00:34	0° $\overline{\text{Z}}$ 26'11	18.69433 AU
minimum elong	-7312 Jan 16 j 22:06	3° $\overline{\text{X}}$ 59'50	0°38'51		-7306 Aug 27 j 13:08	30° $\overline{\text{R}}$ $\overline{\text{X}}$	
max. Earth dist.	-7312 Jan 17 j 15:19	4° $\overline{\text{X}}$ 02'16	21.00934 AU	direct	-7306 Oct 30 j 17:48	28° $\overline{\text{X}}$ 26'59	
morning rise	-7312 Feb 02 j 10:21	4° $\overline{\text{X}}$ 55'38			-7306 Dec 31 j 12:45	0° $\overline{\text{Z}}$	
retrograde	-7312 May 07 j 08:30	8° $\overline{\text{X}}$ 03'21		evening set	-7305 Jan 29 j 14:46	1° $\overline{\text{Z}}$ 30'26	
opposition	-7312 Jul 23 j 14:13	6° $\overline{\text{X}}$ 03'27	-0°44'11				
min. Earth dist.	-7312 Jul 22 j 23:28	6° $\overline{\text{X}}$ 04'58	18.99156 AU	conjunction	-7305 Feb 15 j 05:40	2° $\overline{\text{Z}}$ 27'22	-0°54'21
direct	-7312 Oct 06 j 03:54	4° $\overline{\text{X}}$ 06'40		minimum elong	-7305 Feb 15 j 05:39	2° $\overline{\text{Z}}$ 27'22	0°54'51
evening set	-7311 Jan 03 j 22:27	7° $\overline{\text{X}}$ 05'21		max. Earth dist.	-7305 Feb 15 j 08:30	2° $\overline{\text{Z}}$ 27'46	20.66490 AU
				morning rise	-7305 Mar 03 j 23:00	3° $\overline{\text{Z}}$ 24'40	
conjunction	-7311 Jan 20 j 07:40	8° $\overline{\text{X}}$ 00'48	-0°41'22	retrograde	-7305 Jun 06 j 07:54	6° $\overline{\text{Z}}$ 34'50	
minimum elong	-7311 Jan 20 j 07:40	8° $\overline{\text{X}}$ 00'48	0°41'47	opposition	-7305 Aug 21 j 11:02	4° $\overline{\text{Z}}$ 34'01	-1°00'59
max. Earth dist.	-7311 Jan 20 j 23:20	8° $\overline{\text{X}}$ 03'01	20.97193 AU	min. Earth dist.	-7305 Aug 21 j 09:47	4° $\overline{\text{Z}}$ 34'09	18.63529 AU
morning rise	-7311 Feb 05 j 20:39	8° $\overline{\text{X}}$ 56'48		direct	-7305 Nov 04 j 01:21	2° $\overline{\text{Z}}$ 34'47	
retrograde	-7311 May 11 j 17:10	12° $\overline{\text{X}}$ 04'44		evening set	-7304 Feb 03 j 04:22	5° $\overline{\text{Z}}$ 39'19	
opposition	-7311 Jul 27 j 19:58	10° $\overline{\text{X}}$ 04'44	-0°47'20				
min. Earth dist.	-7311 Jul 27 j 07:28	10° $\overline{\text{X}}$ 06'01	18.95150 AU	conjunction	-7304 Feb 19 j 19:57	6° $\overline{\text{Z}}$ 36'31	-0°55'38
direct	-7311 Oct 10 j 09:21	8° $\overline{\text{X}}$ 07'39		minimum elong	-7304 Feb 19 j 19:57	6° $\overline{\text{Z}}$ 36'31	0°56'08
evening set	-7310 Jan 08 j 07:31	11° $\overline{\text{X}}$ 06'56		max. Earth dist.	-7304 Feb 19 j 19:27	6° $\overline{\text{Z}}$ 36'26	20.60507 AU
				morning rise	-7304 Mar 07 j 14:00	7° $\overline{\text{Z}}$ 34'04	
conjunction	-7310 Jan 24 j 17:40	12° $\overline{\text{X}}$ 02'35	-0°44'06	retrograde	-7304 Jun 09 j 20:43	10° $\overline{\text{Z}}$ 44'44	
minimum elong	-7310 Jan 24 j 17:40	12° $\overline{\text{X}}$ 02'35	0°44'34	opposition	-7304 Aug 24 j 18:58	8° $\overline{\text{Z}}$ 43'51	-1°02'16
max. Earth dist.	-7310 Jan 25 j 06:19	12° $\overline{\text{X}}$ 04'23	20.92961 AU	min. Earth dist.	-7304 Aug 24 j 19:42	8° $\overline{\text{Z}}$ 43'46	18.57462 AU
morning rise	-7310 Feb 10 j 07:37	12° $\overline{\text{X}}$ 58'47		direct	-7304 Nov 07 j 09:45	6° $\overline{\text{Z}}$ 44'16	
retrograde	-7310 May 16 j 03:06	16° $\overline{\text{X}}$ 07'01		evening set	-7303 Feb 06 j 18:40	9° $\overline{\text{Z}}$ 49'56	
opposition	-7310 Aug 01 j 01:50	14° $\overline{\text{X}}$ 06'50	-0°50'15				
min. Earth dist.	-7310 Jul 31 j 15:04	14° $\overline{\text{X}}$ 07'57	18.90691 AU	conjunction	-7303 Feb 23 j 11:07	10° $\overline{\text{Z}}$ 47'26	-0°56'38
direct	-7310 Oct 14 j 15:14	12° $\overline{\text{X}}$ 09'24		minimum elong	-7303 Feb 23 j 11:07	10° $\overline{\text{Z}}$ 47'26	0°57'09
evening set	-7309 Jan 12 j 17:03	15° $\overline{\text{X}}$ 09'22		max. Earth dist.	-7303 Feb 23 j 09:25	10° $\overline{\text{Z}}$ 47'11	20.54346 AU
				morning rise	-7303 Mar 12 j 05:27	11° $\overline{\text{Z}}$ 45'14	
conjunction	-7309 Jan 29 j 04:17	16° $\overline{\text{X}}$ 05'16	-0°46'37	retrograde	-7303 Jun 14 j 09:46	14° $\overline{\text{Z}}$ 56'26	
minimum elong	-7309 Jan 29 j 04:17	16° $\overline{\text{X}}$ 05'16	0°47'05	opposition	-7303 Aug 29 j 03:24	12° $\overline{\text{Z}}$ 55'30	-1°03'14
max. Earth dist.	-7309 Jan 29 j 15:37	16° $\overline{\text{X}}$ 06'53	20.88286 AU	min. Earth dist.	-7303 Aug 29 j 05:59	12° $\overline{\text{Z}}$ 55'14	18.51212 AU
morning rise	-7309 Feb 14 j 18:57	17° $\overline{\text{X}}$ 01'40		direct	-7303 Nov 11 j 18:37	10° $\overline{\text{Z}}$ 55'36	
retrograde	-7309 May 20 j 12:09	20° $\overline{\text{X}}$ 10'12		evening set	-7302 Feb 11 j 10:06	14° $\overline{\text{Z}}$ 02'27	
opposition	-7309 Aug 05 j 07:55	18° $\overline{\text{X}}$ 09'52	-0°52'56				
min. Earth dist.	-7309 Aug 04 j 23:17	18° $\overline{\text{X}}$ 10'46	18.85817 AU	conjunction	-7302 Feb 28 j 03:06	15° $\overline{\text{Z}}$ 00'14	-0°57'20
direct	-7309 Oct 18 j 21:07	16° $\overline{\text{X}}$ 12'05		minimum elong	-7302 Feb 28 j 03:06	15° $\overline{\text{Z}}$ 00'14	0°57'50
evening set	-7308 Jan 17 j 03:30	19° $\overline{\text{X}}$ 12'49		max. Earth dist.	-7302 Feb 27 j 21:51	14° $\overline{\text{Z}}$ 59'28	20.48020 AU
				morning rise	-7302 Mar 16 j 22:01	15° $\overline{\text{Z}}$ 58'17	
conjunction	-7308 Feb 02 j 15:36	20° $\overline{\text{X}}$ 08'56	-0°48'55	retrograde	-7302 Jun 18 j 24:00	19° $\overline{\text{Z}}$ 10'04	
minimum elong	-7308 Feb 02 j 15:36	20° $\overline{\text{X}}$ 08'56	0°49'24	opposition	-7302 Sep 02 j 12:25	17° $\overline{\text{Z}}$ 09'05	-1°03'52
max. Earth dist.	-7308 Feb 02 j 23:53	20° $\overline{\text{X}}$ 10'07	20.83246 AU	min. Earth dist.	-7302 Sep 02 j 17:20	17° $\overline{\text{Z}}$ 08'34	18.44800 AU
morning rise	-7308 Feb 19 j 07:09	21° $\overline{\text{X}}$ 05'33		direct	-7302 Nov 16 j 04:12	15° $\overline{\text{Z}}$ 08'49	
retrograde	-7308 May 23 j 23:02	24° $\overline{\text{X}}$ 14'26		evening set	-7301 Feb 16 j 02:23	18° $\overline{\text{Z}}$ 16'55	
opposition	-7308 Aug 08 j 14:05	22° $\overline{\text{X}}$ 13'57	-0°55'21				
min. Earth dist.	-7308 Aug 08 j 07:16	22° $\overline{\text{X}}$ 14'39	18.80619 AU	conjunction	-7301 Mar 04 j 20:13	19° $\overline{\text{Z}}$ 15'00	-0°57'44
direct	-7308 Oct 22 j 03:47	20° $\overline{\text{X}}$ 15'47		minimum elong	-7301 Mar 04 j 20:14	19° $\overline{\text{Z}}$ 15'00	0°58'13
evening set	-7307 Jan 20 j 14:32	23° $\overline{\text{X}}$ 17'21		max. Earth dist.	-7301 Mar 04 j 13:32	19° $\overline{\text{Z}}$ 14'02	20.41503 AU
				morning rise	-7301 Mar 21 j 15:19	20° $\overline{\text{Z}}$ 13'19	
conjunction	-7307 Feb 06 j 03:39	24° $\overline{\text{X}}$ 13'45	-0°50'59	retrograde	-7301 Jun 23 j 14:51	23° $\overline{\text{Z}}$ 25'39	
minimum elong	-7307 Feb 06 j 03:39	24° $\overline{\text{X}}$ 13'45	0°51'28	opposition	-7301 Sep 06 j 22:09	21° $\overline{\text{Z}}$ 24'38	-1°04'09
max. Earth dist.	-7307 Feb 06 j 10:42	24° $\overline{\text{X}}$ 14'45	20.77893 AU	min. Earth dist.	-7301 Sep 07 j 05:00	21° $\overline{\text{Z}}$ 23'54	18.38176 AU
morning rise	-7307 Feb 22 j 19:44	25° $\overline{\text{X}}$ 10'34		direct	-7301 Nov 20 j 14:32	19° $\overline{\text{Z}}$ 24'00	
retrograde	-7307 May 28 j 08:51	28° $\overline{\text{X}}$ 19'50		evening set	-7300 Feb 20 j 19:56	22° $\overline{\text{Z}}$ 33'22	
opposition	-7307 Aug 12 j 20:42	26° $\overline{\text{X}}$ 19'14	-0°57'31				

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Attention, astronomical year style is used: The year -7300 in astronomical counting style is the year 7301 BCE in historical counting style.

conjunction	-7300 Mar 08 j 14:10	23° Z 31'45	-0°57'48	minimum elong	-7294 Apr 05 j 18:55	19° \approx 51'17	0°51'39
minimum elong	-7300 Mar 08 j 14:10	23° Z 31'45	0°58'17	max. Earth dist.	-7294 Apr 04 j 18:28	19° \approx 47'37	19.91902 AU
max. Earth dist.	-7300 Mar 08 j 03:34	23° Z 30'12	20.34775 AU	morning rise	-7294 Apr 22 j 14:10	20° \approx 51'18	
morning rise	-7300 Mar 25 j 09:39	24° Z 30'20		retrograde	-7294 Jul 24 j 12:01	24° \approx 07'31	
retrograde	-7300 Jun 27 j 06:29	27° Z 43'15		opposition	-7294 Oct 06 j 13:49	22° \approx 05'34	-0°55'52
opposition	-7300 Sep 10 j 08:33	25° Z 42'08	-1°04'04	min. Earth dist.	-7294 Oct 07 j 10:45	22° \approx 03'18	17.88449 AU
min. Earth dist.	-7300 Sep 10 j 18:00	25° Z 41'08	18.31350 AU	direct	-7294 Dec 20 j 17:23	20° \approx 01'44	
direct	-7300 Nov 24 j 02:01	23° Z 41'05		evening set	-7293 Mar 24 j 22:00	23° \approx 20'21	
evening set	-7299 Feb 24 j 14:13	26° Z 51'46					
conjunction	-7299 Mar 13 j 09:08	27° Z 50'27	-0°57'33	conjunction	-7293 Apr 10 j 18:20	24° \approx 20'45	-0°49'04
minimum elong	-7299 Mar 13 j 09:08	27° Z 50'27	0°58'00	minimum elong	-7293 Apr 10 j 18:20	24° \approx 20'45	0°49'24
max. Earth dist.	-7299 Mar 12 j 21:00	27° Z 48'40	20.27842 AU	max. Earth dist.	-7293 Apr 09 j 17:00	24° \approx 16'56	19.84998 AU
morning rise	-7299 Mar 30 j 04:37	28° Z 49'17		morning rise	-7293 Apr 27 j 13:11	25° \approx 20'58	
retrograde	-7299 Apr 20 j 19:39	0° \approx		retrograde	-7293 Jul 29 j 07:35	28° \approx 37'44	
opposition	-7299 Jul 01 j 22:26	2° \approx 02'45		opposition	-7293 Oct 11 j 05:17	26° \approx 35'40	-0°53'14
min. Earth dist.	-7299 Sep 14 j 19:41	0° \approx 01'33	-1°03'37	min. Earth dist.	-7293 Oct 12 j 02:42	26° \approx 33'21	17.81665 AU
direct	-7299 Sep 15 j 06:50	0° \approx 00'22	18.24322 AU	direct	-7293 Dec 25 j 12:31	24° \approx 31'26	
evening set	-7299 Sep 15 j 10:14	30° R Z		evening set	-7292 Mar 28 j 22:10	27° \approx 51'22	
conjunction	-7299 Nov 28 j 14:00	28° Z 00'05		conjunction	-7292 Apr 14 j 18:16	28° \approx 52'01	-0°46'31
minimum elong	-7298 Feb 07 j 08:56	0° \approx		minimum elong	-7292 Apr 14 j 18:17	28° \approx 52'01	0°46'49
max. Earth dist.	-7298 Mar 01 j 09:23	1° \approx 12'03		max. Earth dist.	-7292 Apr 13 j 14:50	28° \approx 47'52	19.78347 AU
morning rise	-7298 Mar 18 j 04:36	2° \approx 11'02	-0°56'58	morning rise	-7292 May 01 j 12:41	29° \approx 52'26	
retrograde	-7298 Mar 18 j 04:36	2° \approx 11'02	0°57'25	retrograde	-7292 May 03 j 16:10	0° H	
opposition	-7298 Mar 17 j 12:41	2° \approx 08'41	20.20736 AU	opposition	-7292 Aug 02 j 01:54	3° H 09'44	
min. Earth dist.	-7298 Apr 04 j 00:22	3° \approx 10'07		min. Earth dist.	-7292 Oct 14 j 21:43	1° H 07'36	-0°50'15
direct	-7298 Jul 06 j 15:03	6° \approx 24'10		direct	-7292 Oct 15 j 21:13	1° H 05'03	17.75180 AU
evening set	-7298 Sep 19 j 07:34	4° \approx 22'49	-1°02'49	evening set	-7292 Nov 11 j 06:41	30° R \approx	
conjunction	-7298 Sep 19 j 21:19	4° \approx 21'20	18.17153 AU	conjunction	-7292 Dec 29 j 06:09	29° \approx 02'59	
minimum elong	-7298 Dec 03 j 03:20	2° \approx 20'52		minimum elong	-7291 Feb 14 j 12:43	0° H	
max. Earth dist.	-7297 Mar 06 j 05:28	5° \approx 34'09		max. Earth dist.	-7291 Apr 02 j 22:58	2° H 24'15	
morning rise	-7297 Mar 22 j 07:57	6° \approx 30'53	20.13513 AU	morning rise	-7291 Apr 19 j 18:56	3° H 25'07	-0°43'40
retrograde	-7297 Mar 23 j 01:14	6° \approx 33'27	-0°56'03	retrograde	-7291 Apr 19 j 18:56	3° H 25'07	0°43'57
opposition	-7297 Mar 23 j 01:14	6° \approx 33'27	0°56'28	opposition	-7291 Apr 18 j 14:41	3° H 20'50	19.72033 AU
min. Earth dist.	-7297 Apr 08 j 20:53	7° \approx 32'46		min. Earth dist.	-7291 May 06 j 12:49	4° H 25'43	
direct	-7297 Jul 11 j 07:49	10° \approx 47'21		direct	-7291 Aug 06 j 23:11	7° H 43'35	
evening set	-7297 Sep 23 j 19:55	8° \approx 45'52	-1°01'38	evening set	-7291 Oct 19 j 14:53	5° H 41'25	-0°46'56
conjunction	-7297 Sep 24 j 11:08	8° \approx 44'14	18.09891 AU	conjunction	-7291 Oct 20 j 14:26	5° H 38'50	17.69040 AU
minimum elong	-7297 Dec 07 j 17:44	6° \approx 43'27		minimum elong	-7290 Jan 03 j 03:12	3° H 36'28	
max. Earth dist.	-7296 Mar 10 j 02:35	9° \approx 58'04		max. Earth dist.	-7290 Apr 08 j 00:28	6° H 59'02	
morning rise	-7296 Mar 26 j 22:28	10° \approx 57'38	-0°54'47	morning rise	-7290 Apr 24 j 20:09	8° H 00'07	-0°40'32
retrograde	-7296 Mar 26 j 22:28	10° \approx 57'38	0°55'12	retrograde	-7290 Apr 24 j 20:09	8° H 00'07	0°40'46
opposition	-7296 Mar 26 j 01:45	10° \approx 54'33	20.06241 AU	opposition	-7290 Apr 23 j 14:30	7° H 55'36	19.66069 AU
min. Earth dist.	-7296 Apr 12 j 18:10	11° \approx 57'13		min. Earth dist.	-7290 May 11 j 13:24	9° H 00'54	
direct	-7296 Jun 23 j 11:29	15° \approx		direct	-7290 Aug 11 j 18:51	12° H 19'18	
evening set	-7296 Jul 15 j 00:44	15° \approx 12'20		evening set	-7290 Oct 24 j 09:04	10° H 17'08	-0°43'18
conjunction	-7296 Aug 05 j 14:56	15° R \approx		conjunction	-7290 Oct 25 j 10:38	10° H 14'20	17.63265 AU
minimum elong	-7296 Sep 27 j 09:13	13° \approx 10'41	-1°00'04	minimum elong	-7289 Jan 07 j 22:22	8° H 11'54	
max. Earth dist.	-7296 Sep 28 j 02:56	13° \approx 08'46	18.02638 AU	max. Earth dist.	-7289 Apr 13 j 02:50	11° H 35'45	
morning rise	-7296 Dec 11 j 08:23	11° \approx 07'47		morning rise	-7289 Apr 29 j 22:05	12° H 37'02	-0°37'06
retrograde	-7295 Mar 15 j 00:08	14° \approx 23'43		retrograde	-7289 Apr 29 j 22:06	12° H 37'02	0°37'17
opposition	-7295 Mar 25 j 06:21	15° \approx		opposition	-7289 Apr 28 j 15:24	12° H 32'20	19.60481 AU
min. Earth dist.	-7295 Mar 31 j 20:21	15° \approx 23'35	-0°53'12	min. Earth dist.	-7289 May 16 j 14:42	13° H 37'58	
direct	-7295 Mar 31 j 20:21	15° \approx 23'35	0°53'36	direct	-7289 Aug 16 j 17:38	16° H 56'54	
evening set	-7295 Mar 30 j 22:40	15° \approx 20'21	19.99013 AU	evening set	-7289 Oct 29 j 03:57	14° H 54'45	-0°39'20
conjunction	-7295 Apr 17 j 15:46	16° \approx 23'23		conjunction	-7289 Oct 30 j 05:31	14° H 51'58	17.57852 AU
minimum elong	-7295 Jul 19 j 18:44	19° \approx 39'03		minimum elong	-7288 Jan 12 j 21:24	12° H 49'18	
max. Earth dist.	-7295 Oct 01 j 23:07	17° \approx 37'15	-0°58'09	max. Earth dist.	-7288 Apr 17 j 05:52	16° H 14'22	
morning rise	-7295 Oct 02 j 17:43	17° \approx 35'14	17.95458 AU	morning rise	-7288 May 02 j 17:13	17° H 11'00	19.55239 AU
retrograde	-7295 Dec 16 j 01:20	15° \approx 33'53		retrograde	-7288 May 04 j 00:39	17° H 15'50	-0°33'24
opposition	-7294 Mar 19 j 22:44	18° \approx 51'09		opposition	-7288 May 04 j 00:39	17° H 15'50	0°33'34
min. Earth dist.	-7294 Apr 05 j 18:55	19° \approx 51'17	-0°51'18	min. Earth dist.	-7288 May 20 j 16:21	18° H 16'54	
direct				direct	-7288 Aug 20 j 14:55	21° H 36'21	
evening set				evening set			

Attention, astronomical year style is used: The year -7288 in astronomical counting style is the year 7289 BCE in historical counting style.

opposition	-7288 Nov 02 j 00:03	19° H 34'14	-0°35'05	opposition	-7282 Nov 30 j 16:30	18° Y 00'03	-0°05'16
min. Earth dist.	-7288 Nov 03 j 03:28	19° H 31'14	17.52795 AU	min. Earth dist.	-7282 Dec 01 j 21:31	17° Y 56'53	17.30346 AU
direct	-7287 Jan 16 j 18:34	17° H 28'33		direct	-7281 Feb 15 j 02:10	15° Y 53'17	
evening set	-7287 Apr 22 j 09:21	20° H 54'47		evening set	-7281 May 22 j 13:25	19° Y 24'23	
max. Earth dist.	-7287 May 07 j 18:45	21° H 51'21	19.50357 AU	max. Earth dist.	-7281 Jun 06 j 16:18	20° Y 21'03	19.29201 AU
conjunction	-7287 May 09 j 03:25	21° H 56'24	-0°29'28	conjunction	-7281 Jun 08 j 01:53	20° Y 26'20	-0°02'20
minimum elong	-7287 May 09 j 03:25	21° H 56'24	0°29'34	minimum elong	-7281 Jun 08 j 01:51	20° Y 26'20	0°02'13
morning rise	-7287 May 25 j 18:22	22° H 57'35		behind sun begin	-7281 Jun 07 j 19:08	20° Y 25'18	
retrograde	-7287 Aug 25 j 14:42	26° H 17'31		behind sun end	-7281 Jun 08 j 08:34	20° Y 27'22	
opposition	-7287 Nov 06 j 20:50	24° H 15'25	-0°30'35	morning rise	-7281 Jun 24 j 10:05	21° Y 27'40	
min. Earth dist.	-7287 Nov 08 j 00:07	24° H 12'26	17.48084 AU	retrograde	-7281 Sep 23 j 13:14	24° Y 49'25	
direct	-7286 Jan 21 j 19:08	22° H 09'31		asc. node	-7281 Nov 29 j 16:16	23° Y 03'01	
evening set	-7286 Apr 27 j 13:24	25° H 36'50		opposition	-7281 Dec 05 j 17:28	22° Y 47'14	0°00'05
max. Earth dist.	-7286 May 12 j 22:07	26° H 33'30	19.45808 AU	min. Earth dist.	-7281 Dec 06 j 21:46	22° Y 44'09	17.28298 AU
conjunction	-7286 May 14 j 06:54	26° H 38'35	-0°25'18	direct	-7280 Feb 20 j 06:27	20° Y 40'22	
minimum elong	-7286 May 14 j 06:54	26° H 38'35	0°25'23	evening set	-7280 May 26 j 18:03	24° Y 11'53	
morning rise	-7286 May 30 j 20:43	27° H 39'51		max. Earth dist.	-7280 Jun 10 j 22:01	25° Y 08'49	19.27458 AU
retrograde	-7286 Jul 14 j 10:14	0° Y		conjunction	-7280 Jun 12 j 05:26	25° Y 13'46	0°02'36
retrograde	-7286 Aug 30 j 13:25	1° Y 00'12		minimum elong	-7280 Jun 12 j 05:25	25° Y 13'46	0°02'45
	-7286 Oct 18 j 00:36	30° R H		behind sun begin	-7280 Jun 11 j 22:44	25° Y 12'45	
opposition	-7286 Nov 11 j 18:31	28° H 58'07	-0°25'50	behind sun end	-7280 Jun 12 j 12:07	25° Y 14'48	
min. Earth dist.	-7286 Nov 12 j 23:22	28° H 54'58	17.43713 AU	morning rise	-7280 Jun 28 j 12:15	26° Y 15'02	
direct	-7285 Jan 26 j 18:09	26° H 52'02		retrograde	-7280 Sep 27 j 13:17	29° Y 36'55	
	-7285 Apr 27 j 02:29	0° Y		opposition	-7280 Dec 09 j 19:04	27° Y 34'44	0°05'27
evening set	-7285 May 02 j 18:02	0° Y 20'20		min. Earth dist.	-7280 Dec 10 j 22:27	27° Y 31'45	17.26869 AU
max. Earth dist.	-7285 May 18 j 00:20	1° Y 16'51	19.41619 AU	direct	-7279 Feb 24 j 11:06	25° Y 27'51	
conjunction	-7285 May 19 j 10:34	1° Y 22'10	-0°20'57	evening set	-7279 May 31 j 22:28	28° Y 59'36	
minimum elong	-7285 May 19 j 10:34	1° Y 22'10	0°21'00	max. Earth dist.	-7279 Jun 16 j 01:25	29° Y 56'31	19.26364 AU
morning rise	-7285 Jun 04 j 23:31	2° Y 23'31			-7279 Jun 16 j 23:23	0° R	
retrograde	-7285 Sep 04 j 13:52	5° Y 44'15		conjunction	-7279 Jun 17 j 08:28	0° R 01'25	0°07'22
opposition	-7285 Nov 16 j 16:58	3° Y 42'10	-0°20'54	minimum elong	-7279 Jun 17 j 08:27	0° R 01'25	0°07'34
min. Earth dist.	-7285 Nov 17 j 21:30	3° Y 39'03	17.39711 AU	behind sun begin	-7279 Jun 17 j 02:22	0° R 00'29	
direct	-7284 Jan 31 j 19:58	1° Y 35'52		behind sun end	-7279 Jun 17 j 14:32	0° R 02'21	
evening set	-7284 May 06 j 22:40	5° Y 05'02		morning rise	-7279 Jul 03 j 14:06	1° R 02'36	
max. Earth dist.	-7284 May 22 j 04:57	6° Y 01'44	19.37806 AU	retrograde	-7279 Oct 02 j 12:41	4° R 24'35	
conjunction	-7284 May 23 j 14:26	6° Y 06'58	-0°16'27	opposition	-7279 Dec 14 j 21:03	2° R 22'25	0°10'46
minimum elong	-7284 May 23 j 14:26	6° Y 06'58	0°16'27	min. Earth dist.	-7279 Dec 15 j 23:31	2° R 19'32	17.26122 AU
morning rise	-7284 Jun 09 j 02:05	7° Y 08'20		direct	-7278 Mar 01 j 15:35	0° R 15'31	
retrograde	-7284 Sep 08 j 13:33	10° Y 29'24		evening set	-7278 Jun 06 j 02:37	3° R 47'27	
opposition	-7284 Nov 20 j 16:17	8° Y 27'19	-0°15'48	max. Earth dist.	-7278 Jun 21 j 06:40	4° R 44'37	19.25961 AU
min. Earth dist.	-7284 Nov 21 j 21:42	8° Y 24'06	17.36107 AU	conjunction	-7278 Jun 22 j 11:25	4° R 49'10	0°12'05
direct	-7283 Feb 04 j 20:41	6° Y 20'51		minimum elong	-7278 Jun 22 j 11:24	4° R 49'09	0°12'19
evening set	-7283 May 12 j 03:38	9° Y 50'46		behind sun begin	-7278 Jun 22 j 06:59	4° R 48'29	
max. Earth dist.	-7283 May 27 j 07:42	10° Y 47'19	19.34434 AU	behind sun end	-7278 Jun 22 j 15:49	4° R 49'50	
conjunction	-7283 May 28 j 18:15	10° Y 52'44	-0°11'49	morning rise	-7278 Jul 08 j 15:39	5° R 50'14	
minimum elong	-7283 May 28 j 18:15	10° Y 52'44	0°11'48	retrograde	-7278 Oct 07 j 13:18	9° R 12'14	
behind sun begin	-7283 May 28 j 13:35	10° Y 52'01		opposition	-7278 Dec 19 j 23:19	7° R 10'09	0°16'01
behind sun end	-7283 May 28 j 22:55	10° Y 53'26		min. Earth dist.	-7278 Dec 21 j 00:04	7° R 07'28	17.26054 AU
morning rise	-7283 Jun 14 j 04:56	11° Y 54'07		direct	-7277 Mar 06 j 21:03	5° R 03'21	
retrograde	-7283 Sep 13 j 13:40	15° Y 15'28		evening set	-7277 Jun 11 j 06:35	8° R 35'19	
opposition	-7283 Nov 25 j 15:59	13° Y 13'20	-0°10'34	max. Earth dist.	-7277 Jun 26 j 10:19	9° R 32'31	19.26247 AU
min. Earth dist.	-7283 Nov 26 j 20:54	13° Y 10'11	17.32976 AU	conjunction	-7277 Jun 27 j 13:57	9° R 36'54	0°16'44
direct	-7282 Feb 09 j 23:25	11° Y 06'42		minimum elong	-7277 Jun 27 j 13:57	9° R 36'54	0°17'01
evening set	-7282 May 17 j 08:26	14° Y 37'17		morning rise	-7277 Jul 13 j 16:54	10° R 37'50	
conjunction	-7282 Jun 02 j 22:11	15° Y 39'15	-0°07'07	retrograde	-7277 Oct 12 j 13:04	13° R 59'52	
minimum elong	-7282 Jun 02 j 22:12	15° Y 39'15	0°07'01	opposition	-7277 Dec 25 j 02:12	11° R 57'52	0°21'10
behind sun begin	-7282 Jun 02 j 15:59	15° Y 38'18		min. Earth dist.	-7277 Dec 26 j 02:01	11° R 55'17	17.26688 AU
behind sun end	-7282 Jun 03 j 04:25	15° Y 40'12		direct	-7276 Mar 11 j 00:47	9° R 51'12	
max. Earth dist.	-7282 Jun 01 j 13:08	15° Y 34'03	19.31548 AU	evening set	-7276 Jun 15 j 09:55	13° R 23'07	
morning rise	-7282 Jun 19 j 07:33	16° Y 40'38		conjunction	-7276 Jul 01 j 15:58	14° R 24'31	0°21'17
retrograde	-7282 Sep 18 j 13:45	20° Y 02'12		minimum elong	-7276 Jul 01 j 15:57	14° R 24'31	0°21'34

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Attention, astronomical year style is used: The year -7276 in astronomical counting style is the year 7277 BCE in historical counting style.

max. Earth dist.	-7276 Jun 30 j 14:39	14° 8 20'30	19.27222 AU	morning rise	-7270 Aug 15 j 11:24	13° II 58'14	
	-7276 Jul 10 j 23:46	15° 8		retrograde	-7270 Nov 14 j 14:31	17° II 18'57	
morning rise	-7276 Jul 17 j 17:37	15° 8 25'19		opposition	-7269 Jan 28 j 01:42	15° II 17'48	0°51'04
retrograde	-7276 Oct 16 j 14:44	18° 8 47'18		min. Earth dist.	-7269 Jan 28 j 12:23	15° II 16'40	17.46536 AU
opposition	-7276 Dec 29 j 05:15	16° 8 45'27	0°26'10	direct	-7269 Apr 15 j 08:59	13° II 12'57	
min. Earth dist.	-7276 Dec 30 j 02:45	16° 8 43'07	17.27973 AU	evening set	-7269 Jul 19 j 17:36	16° II 40'55	
	-7275 Feb 15 j 11:44	15° 8 8					
direct	-7275 Mar 16 j 06:22	14° 8 38'59		conjunction	-7269 Aug 04 j 14:28	17° II 40'37	0°47'13
	-7275 Apr 13 j 12:49	15° 8		minimum elong	-7269 Aug 04 j 14:28	17° II 40'37	0°47'41
evening set	-7275 Jun 20 j 12:57	18° 8 10'42		max. Earth dist.	-7269 Aug 04 j 03:58	17° II 38'57	19.48734 AU
				morning rise	-7269 Aug 20 j 07:55	18° II 39'50	
conjunction	-7275 Jul 06 j 17:38	19° 8 11'55	0°25'41	retrograde	-7269 Nov 19 j 11:09	22° II 00'10	
minimum elong	-7275 Jul 06 j 17:38	19° 8 11'55	0°26'01	opposition	-7268 Feb 02 j 04:42	19° II 59'04	0°54'05
max. Earth dist.	-7275 Jul 05 j 18:06	19° 8 08'11	19.28819 AU	min. Earth dist.	-7268 Feb 02 j 14:04	19° II 58'05	17.51058 AU
morning rise	-7275 Jul 22 j 17:58	20° 8 12'32		direct	-7268 Apr 19 j 11:48	17° II 54'31	
retrograde	-7275 Oct 21 j 14:19	23° 8 34'27		evening set	-7268 Jul 23 j 15:18	21° II 21'28	
opposition	-7274 Jan 03 j 08:30	21° 8 32'44	0°30'59				
min. Earth dist.	-7274 Jan 04 j 05:19	21° 8 30'29	17.29872 AU	conjunction	-7268 Aug 08 j 10:53	22° II 20'51	0°49'45
direct	-7274 Mar 21 j 09:18	19° 8 26'30		minimum elong	-7268 Aug 08 j 10:53	22° II 20'51	0°50'14
evening set	-7274 Jun 25 j 15:31	22° 8 57'54		max. Earth dist.	-7268 Aug 08 j 01:49	22° II 19'25	19.53449 AU
				morning rise	-7268 Aug 24 j 03:38	23° II 19'49	
conjunction	-7274 Jul 11 j 18:47	23° 8 58'55	0°29'54	retrograde	-7268 Nov 23 j 09:44	26° II 39'43	
minimum elong	-7274 Jul 11 j 18:47	23° 8 58'55	0°30'16	opposition	-7267 Feb 06 j 07:03	24° II 38'39	0°56'43
max. Earth dist.	-7274 Jul 10 j 21:04	23° 8 55'29	19.31002 AU	min. Earth dist.	-7267 Feb 06 j 13:22	24° II 38'00	17.55959 AU
morning rise	-7274 Jul 27 j 17:56	24° 8 59'21		direct	-7267 Apr 24 j 15:52	22° II 34'24	
retrograde	-7274 Oct 26 j 16:23	28° 8 21'08		evening set	-7267 Jul 28 j 11:57	26° II 00'15	
opposition	-7273 Jan 08 j 11:57	26° 8 19'33	0°35'35				
min. Earth dist.	-7273 Jan 09 j 06:09	26° 8 17'36	17.32308 AU	conjunction	-7267 Aug 13 j 06:38	26° II 59'20	0°51'57
direct	-7273 Mar 26 j 15:20	24° 8 13'35		minimum elong	-7267 Aug 13 j 06:38	26° II 59'20	0°52'27
evening set	-7273 Jun 30 j 17:25	27° 8 44'32		max. Earth dist.	-7267 Aug 13 j 01:13	26° II 58'29	19.58534 AU
				morning rise	-7267 Aug 28 j 22:25	27° II 58'01	
conjunction	-7273 Jul 16 j 19:21	28° 8 45'19	0°33'54		-7267 Oct 05 j 02:03	0° 8	
minimum elong	-7273 Jul 16 j 19:21	28° 8 45'19	0°34'17	retrograde	-7267 Nov 28 j 05:04	1° 8 17'27	
max. Earth dist.	-7273 Jul 15 j 24:00	28° 8 42'15	19.33686 AU		-7266 Jan 24 j 15:52	30° R II	
morning rise	-7273 Aug 01 j 17:09	29° 8 45'32		opposition	-7266 Feb 11 j 08:53	29° II 16'27	0°58'58
	-7273 Aug 05 j 15:11	0° II		min. Earth dist.	-7266 Feb 11 j 13:24	29° II 15'59	17.61229 AU
retrograde	-7273 Oct 31 j 15:10	3° II 07'08		direct	-7266 Apr 29 j 17:52	27° II 12'31	
opposition	-7272 Jan 13 j 15:41	1° II 05'41	0°39'55		-7266 Jul 22 j 23:16	0° 8	
min. Earth dist.	-7272 Jan 14 j 09:09	1° II 03'49	17.35237 AU	evening set	-7266 Aug 02 j 07:46	0° 8 37'13	
	-7272 Feb 09 j 14:50	30° R 8					
direct	-7272 Mar 30 j 18:26	28° 8 59'59		conjunction	-7266 Aug 18 j 01:16	1° 8 35'59	0°53'49
	-7272 May 18 j 06:56	0° II		minimum elong	-7266 Aug 18 j 01:16	1° 8 35'59	0°54'17
evening set	-7272 Jul 04 j 18:46	2° II 30'22		max. Earth dist.	-7266 Aug 17 j 21:26	1° 8 35'23	19.64001 AU
				morning rise	-7266 Sep 02 j 16:29	2° 8 34'24	
conjunction	-7272 Jul 20 j 19:15	3° II 30'54	0°37'39	retrograde	-7266 Dec 03 j 01:52	5° 8 53'20	
minimum elong	-7272 Jul 20 j 19:15	3° II 30'54	0°38'05	opposition	-7265 Feb 16 j 10:15	3° 8 52'24	1°00'49
max. Earth dist.	-7272 Jul 20 j 01:22	3° II 28'04	19.36848 AU	min. Earth dist.	-7265 Feb 16 j 11:43	3° 8 52'15	17.66897 AU
morning rise	-7272 Aug 05 j 15:59	4° II 30'53		direct	-7265 May 04 j 18:56	1° 8 48'48	
retrograde	-7272 Nov 04 j 16:34	7° II 52'15		evening set	-7265 Aug 07 j 02:18	5° 8 12'18	
opposition	-7271 Jan 17 j 19:09	5° II 50'54	0°43'58				
min. Earth dist.	-7271 Jan 18 j 09:44	5° II 49'21	17.38611 AU	conjunction	-7265 Aug 22 j 19:02	6° 8 10'45	0°55'19
direct	-7271 Apr 05 j 00:21	3° II 45'29		minimum elong	-7265 Aug 22 j 19:02	6° 8 10'45	0°55'48
evening set	-7271 Jul 09 j 19:09	7° II 15'10		max. Earth dist.	-7265 Aug 22 j 19:04	6° 8 10'46	19.69858 AU
				morning rise	-7265 Sep 07 j 09:26	7° 8 08'54	
conjunction	-7271 Jul 25 j 18:29	8° II 15'27	0°41'09	retrograde	-7265 Dec 07 j 20:55	10° 8 27'20	
minimum elong	-7271 Jul 25 j 18:28	8° II 15'27	0°41'34	opposition	-7264 Feb 21 j 11:09	8° 8 26'30	1°02'17
max. Earth dist.	-7271 Jul 25 j 03:24	8° II 13'04	19.40425 AU	min. Earth dist.	-7264 Feb 21 j 10:11	8° 8 26'36	17.72937 AU
morning rise	-7271 Aug 10 j 13:58	9° II 15'11		direct	-7264 May 08 j 19:32	6° 8 23'18	
retrograde	-7271 Nov 09 j 14:26	12° II 36'15		evening set	-7264 Aug 10 j 20:07	9° 8 45'33	
opposition	-7270 Jan 22 j 22:39	10° II 35'01	0°47'41				
min. Earth dist.	-7270 Jan 23 j 12:19	10° II 33'34	17.42384 AU	conjunction	-7264 Aug 26 j 11:52	10° 8 43'41	0°56'28
direct	-7270 Apr 10 j 03:20	8° II 29'53		minimum elong	-7264 Aug 26 j 11:52	10° 8 43'41	0°56'57
evening set	-7270 Jul 14 j 18:54	11° II 58'46		max. Earth dist.	-7264 Aug 26 j 13:36	10° 8 43'57	19.76086 AU
				morning rise	-7264 Sep 11 j 01:54	11° 8 41'34	
conjunction	-7270 Jul 30 j 16:49	12° II 58'45	0°44'20	retrograde	-7264 Dec 11 j 16:32	14° 8 59'29	
minimum elong	-7270 Jul 30 j 16:49	12° II 58'45	0°44'47	opposition	-7263 Feb 25 j 11:13	12° 8 58'46	1°03'20
max. Earth dist.	-7270 Jul 30 j 03:01	12° II 56'34	19.44395 AU	min. Earth dist.	-7263 Feb 25 j 07:32	12° 8 59'09	17.79346 AU

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Attention, astronomical year style is used: The year -7263 in astronomical counting style is the year 7264 BCE in historical counting style.

direct	-7263 May 13 j 17:24	10°☾55'58		minimum elong	-7257 Sep 26 j 11:31	11°♈43'38	0°55'08
evening set	-7263 Aug 15 j 12:45	14°☾16'58		max. Earth dist.	-7257 Sep 27 j 05:29	11°♈46'22	20.24780 AU
				morning rise	-7257 Oct 12 j 00:24	12°♈39'48	
conjunction	-7263 Aug 31 j 03:57	15°☾14'49	0°57'15		-7257 Nov 27 j 10:32	15°♈	
minimum elong	-7263 Aug 31 j 03:57	15°☾14'49	0°57'44	retrograde	-7256 Jan 12 j 17:34	15°♈53'51	
max. Earth dist.	-7263 Aug 31 j 09:17	15°☾15'38	19.82650 AU		-7256 Mar 01 j 00:43	15°♈♈	
morning rise	-7263 Sep 15 j 17:26	16°☾12'25		opposition	-7256 Mar 29 j 17:37	13°♈53'59	0°59'56
retrograde	-7263 Dec 16 j 11:17	19°☾29'49		min. Earth dist.	-7256 Mar 28 j 22:40	13°♈55'55	18.28229 AU
opposition	-7262 Mar 02 j 10:44	17°☾29'15	1°04'00	direct	-7256 Jun 14 j 14:21	11°♈54'14	
min. Earth dist.	-7262 Mar 02 j 04:27	17°☾29'54	17.86038 AU		-7256 Sep 12 j 17:25	15°♈	
direct	-7262 May 18 j 16:29	15°☾26'55		evening set	-7256 Sep 14 j 09:45	15°♈05'56	
evening set	-7262 Aug 20 j 04:38	18°☾46'37					
				conjunction	-7256 Sep 29 j 22:14	16°♈01'48	0°53'11
conjunction	-7262 Sep 04 j 19:00	19°☾44'09	0°57'42	minimum elong	-7256 Sep 29 j 22:14	16°♈01'48	0°53'33
minimum elong	-7262 Sep 04 j 19:00	19°☾44'09	0°58'11	max. Earth dist.	-7256 Sep 30 j 17:29	16°♈04'42	20.31594 AU
max. Earth dist.	-7262 Sep 05 j 02:01	19°☾45'14	19.89466 AU	morning rise	-7256 Oct 15 j 11:25	16°♈57'45	
morning rise	-7262 Sep 20 j 08:16	20°☾41'31		retrograde	-7255 Jan 16 j 07:10	20°♈11'12	
retrograde	-7262 Dec 21 j 06:03	23°☾58'23		opposition	-7255 Apr 03 j 11:55	18°♈11'22	0°58'02
opposition	-7261 Mar 07 j 09:43	21°☾57'58	1°04'16	min. Earth dist.	-7255 Apr 02 j 16:22	18°♈13'21	18.34967 AU
min. Earth dist.	-7261 Mar 07 j 01:14	21°☾58'50	17.92965 AU	direct	-7255 Jun 19 j 06:06	16°♈11'57	
direct	-7261 May 23 j 12:46	19°☾56'06		evening set	-7255 Sep 18 j 19:39	19°♈22'19	
evening set	-7261 Aug 24 j 19:31	23°☾14'29					
				conjunction	-7255 Oct 04 j 08:15	20°♈17'57	0°51'21
conjunction	-7261 Sep 09 j 09:28	24°☾11'43	0°57'47	minimum elong	-7255 Oct 04 j 08:15	20°♈17'57	0°51'43
minimum elong	-7261 Sep 09 j 09:28	24°☾11'43	0°58'15	max. Earth dist.	-7255 Oct 05 j 05:21	20°♈21'07	20.38245 AU
max. Earth dist.	-7261 Sep 09 j 19:44	24°☾13'18	19.96477 AU	morning rise	-7255 Oct 19 j 21:41	21°♈13'42	
morning rise	-7261 Sep 24 j 22:22	25°☾08'50		retrograde	-7254 Jan 20 j 21:16	24°♈26'32	
retrograde	-7261 Dec 26 j 00:10	28°☾25'09		min. Earth dist.	-7254 Apr 07 j 07:13	22°♈28'57	18.41524 AU
opposition	-7260 Mar 11 j 07:57	26°☾24'53	1°04'09	opposition	-7254 Apr 08 j 05:17	22°♈26'43	0°55'49
min. Earth dist.	-7260 Mar 10 j 20:48	26°☾26'02	18.00033 AU	direct	-7254 Jun 23 j 22:46	20°♈27'37	
direct	-7260 May 27 j 10:31	24°☾23'30		evening set	-7254 Sep 23 j 04:43	23°♈36'41	
evening set	-7260 Aug 28 j 09:36	27°☾40'33					
				conjunction	-7254 Oct 08 j 17:18	24°♈32'05	0°49'15
conjunction	-7260 Sep 12 j 22:59	28°☾37'30	0°57'31	minimum elong	-7254 Oct 08 j 17:18	24°♈32'05	0°49'34
minimum elong	-7260 Sep 12 j 22:59	28°☾37'30	0°57'59	max. Earth dist.	-7254 Oct 09 j 15:55	24°♈35'28	20.44715 AU
max. Earth dist.	-7260 Sep 13 j 10:46	28°☾39'19	20.03586 AU	morning rise	-7254 Oct 24 j 07:11	25°♈27'39	
morning rise	-7260 Sep 28 j 11:52	29°☾34'21		retrograde	-7253 Jan 25 j 08:58	28°♈39'54	
	-7260 Oct 05 j 17:20	0°♈		opposition	-7253 Apr 12 j 22:00	26°♈40'05	0°53'19
retrograde	-7260 Dec 29 j 17:50	2°♈50'08		min. Earth dist.	-7253 Apr 11 j 23:24	26°♈42'22	18.47927 AU
opposition	-7259 Mar 16 j 05:34	0°♈50'00	1°03'38	direct	-7253 Jun 28 j 12:36	24°♈41'16	
min. Earth dist.	-7259 Mar 15 j 16:51	0°♈51'18	18.07174 AU	evening set	-7253 Sep 27 j 13:03	27°♈49'04	
	-7259 Apr 06 j 05:05	30°♈☾					
direct	-7259 Jun 01 j 05:28	28°☾49'03		conjunction	-7253 Oct 13 j 01:52	28°♈44'15	0°46'54
	-7259 Jul 24 j 09:53	0°♈		minimum elong	-7253 Oct 13 j 01:53	28°♈44'15	0°47'12
evening set	-7259 Sep 01 j 22:50	2°♈04'47		max. Earth dist.	-7253 Oct 14 j 02:16	28°♈47'54	20.51049 AU
				morning rise	-7253 Oct 28 j 16:10	29°♈39'39	
conjunction	-7259 Sep 17 j 11:57	3°♈01'26	0°56'55		-7253 Nov 03 j 13:42	0°♈	
minimum elong	-7259 Sep 17 j 11:57	3°♈01'26	0°57'21	retrograde	-7252 Jan 29 j 22:09	2°♈51'20	
max. Earth dist.	-7259 Sep 18 j 02:22	3°♈03'39	20.10723 AU	opposition	-7252 Apr 16 j 13:32	0°♈51'31	0°50'34
morning rise	-7259 Oct 03 j 00:39	3°♈58'03		min. Earth dist.	-7252 Apr 15 j 12:23	0°♈54'03	18.54193 AU
retrograde	-7258 Jan 03 j 10:21	7°♈13'15			-7252 May 08 j 14:01	30°♈♈	
min. Earth dist.	-7258 Mar 20 j 10:55	5°♈14'49	18.14287 AU	direct	-7252 Jul 02 j 03:09	28°♈52'59	
opposition	-7258 Mar 21 j 02:12	5°♈13'15	1°02'45		-7252 Aug 22 j 19:35	0°♈	
direct	-7258 Jun 06 j 02:04	3°♈12'44		evening set	-7252 Sep 30 j 20:44	1°♈59'35	
evening set	-7258 Sep 06 j 11:23	6°♈27'07					
				conjunction	-7252 Oct 16 j 09:45	2°♈54'35	0°44'19
conjunction	-7258 Sep 22 j 00:05	7°♈23'30	0°55'59	minimum elong	-7252 Oct 16 j 09:45	2°♈54'35	0°44'35
minimum elong	-7258 Sep 22 j 00:06	7°♈23'30	0°56'24	max. Earth dist.	-7252 Oct 17 j 11:40	2°♈58'25	20.57241 AU
max. Earth dist.	-7258 Sep 22 j 15:51	7°♈25'54	20.17800 AU	morning rise	-7252 Nov 01 j 00:38	3°♈49'50	
morning rise	-7258 Oct 07 j 12:55	8°♈19'54		retrograde	-7251 Feb 02 j 08:23	7°♈00'58	
retrograde	-7257 Jan 08 j 02:18	11°♈34'31		min. Earth dist.	-7251 Apr 20 j 02:53	5°♈03'44	18.60329 AU
opposition	-7257 Mar 25 j 22:24	9°♈34'36	1°01'31	opposition	-7251 Apr 21 j 04:24	5°♈01'10	0°47'34
min. Earth dist.	-7257 Mar 25 j 06:01	9°♈36'16	18.21330 AU	direct	-7251 Jul 06 j 14:41	3°♈02'56	
direct	-7257 Jun 10 j 19:30	7°♈34'29		evening set	-7251 Oct 05 j 03:44	6°♈08'24	
evening set	-7257 Sep 10 j 22:52	10°♈47'31					
				conjunction	-7251 Oct 20 j 17:06	7°♈03'13	0°41'32
conjunction	-7257 Sep 26 j 11:31	11°♈43'38	0°54'44	minimum elong	-7251 Oct 20 j 17:07	7°♈03'13	0°41'46

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Attention, astronomical year style is used: The year -7251 in astronomical counting style is the year 7252 BCE in historical counting style.

max. Earth dist.	-7251 Oct 21 j 20:29	7° $\overline{00}$ 07'16	20.63308 AU	opposition	-7244 May 20 j 15:15	3° $\underline{0}$ 32'10	0°21'20
morning rise	-7251 Nov 05 j 08:30	7° $\overline{00}$ 58'19		direct	-7244 Aug 04 j 07:16	1° $\underline{0}$ 35'56	
retrograde	-7250 Feb 06 j 20:42	11° $\overline{00}$ 08'57		evening set	-7244 Nov 01 j 17:47	4° $\underline{0}$ 35'18	
opposition	-7250 Apr 25 j 18:14	9° $\overline{00}$ 09'13	0°44'21				
min. Earth dist.	-7250 Apr 24 j 14:19	9° $\overline{00}$ 12'01	18.66319 AU	conjunction	-7244 Nov 17 j 11:14	5° $\underline{0}$ 29'21	0°17'26
direct	-7250 Jul 11 j 03:08	7° $\overline{00}$ 11'18		minimum elong	-7244 Nov 17 j 11:14	5° $\underline{0}$ 29'21	0°17'27
evening set	-7250 Oct 09 j 10:15	10° $\overline{00}$ 15'41		max. Earth dist.	-7244 Nov 18 j 19:25	5° $\underline{0}$ 34'00	20.98537 AU
				morning rise	-7244 Dec 03 j 08:17	6° $\underline{0}$ 23'55	
conjunction	-7250 Oct 24 j 23:59	11° $\overline{00}$ 10'21	0°38'33	retrograde	-7243 Mar 07 j 15:27	9° $\underline{0}$ 31'57	
minimum elong	-7250 Oct 24 j 23:59	11° $\overline{00}$ 10'21	0°38'46	min. Earth dist.	-7243 May 23 j 18:45	7° $\underline{0}$ 35'40	19.00314 AU
max. Earth dist.	-7250 Oct 26 j 04:45	11° $\overline{00}$ 14'35	20.69213 AU	opposition	-7243 May 25 j 00:41	7° $\underline{0}$ 32'41	0°17'04
morning rise	-7250 Nov 09 j 16:04	12° $\overline{00}$ 05'20		direct	-7243 Aug 08 j 13:25	5° $\underline{0}$ 36'36	
retrograde	-7249 Feb 11 j 05:53	15° $\overline{00}$ 15'30		evening set	-7243 Nov 05 j 22:14	8° $\underline{0}$ 35'20	
min. Earth dist.	-7249 Apr 29 j 03:33	13° $\overline{00}$ 18'38	18.72142 AU				
opposition	-7249 Apr 30 j 07:34	13° $\overline{00}$ 15'50	0°40'55	conjunction	-7243 Nov 21 j 16:29	9° $\underline{0}$ 29'21	0°13'34
direct	-7249 Jul 15 j 12:50	11° $\overline{00}$ 18'14		minimum elong	-7243 Nov 21 j 16:29	9° $\underline{0}$ 29'21	0°13'32
evening set	-7249 Oct 13 j 16:10	14° $\overline{00}$ 21'37		behind sun begin	-7243 Nov 21 j 12:46	9° $\underline{0}$ 28'50	
				behind sun end	-7243 Nov 21 j 20:12	9° $\underline{0}$ 29'52	
conjunction	-7249 Oct 29 j 06:25	15° $\overline{00}$ 16'08	0°35'23	max. Earth dist.	-7243 Nov 23 j 00:11	9° $\underline{0}$ 33'54	21.01863 AU
minimum elong	-7249 Oct 29 j 06:26	15° $\overline{00}$ 16'08	0°35'33	morning rise	-7243 Dec 07 j 14:29	10° $\underline{0}$ 23'53	
max. Earth dist.	-7249 Oct 30 j 12:17	15° $\overline{00}$ 20'31	20.74938 AU	retrograde	-7242 Mar 12 j 01:28	13° $\underline{0}$ 31'38	
morning rise	-7249 Nov 13 j 23:13	16° $\overline{00}$ 11'01		min. Earth dist.	-7242 May 28 j 02:55	11° $\underline{0}$ 35'23	19.03367 AU
retrograde	-7248 Feb 15 j 17:38	19° $\overline{00}$ 20'45		opposition	-7242 May 29 j 09:28	11° $\underline{0}$ 32'20	0°12'44
opposition	-7248 May 03 j 20:00	17° $\overline{00}$ 21'10	0°37'19	direct	-7242 Aug 12 j 20:50	9° $\underline{0}$ 36'22	
min. Earth dist.	-7248 May 02 j 14:01	17° $\overline{00}$ 24'10	18.77745 AU	evening set	-7242 Nov 10 j 02:37	12° $\underline{0}$ 34'31	
direct	-7248 Jul 18 j 23:13	15° $\overline{00}$ 23'53					
evening set	-7248 Oct 16 j 21:51	18° $\overline{00}$ 26'21		conjunction	-7242 Nov 25 j 21:41	13° $\underline{0}$ 28'30	0°09'38
				minimum elong	-7242 Nov 25 j 21:42	13° $\underline{0}$ 28'31	0°09'34
conjunction	-7248 Nov 01 j 12:36	19° $\overline{00}$ 20'44	0°32'03	behind sun begin	-7242 Nov 25 j 16:14	13° $\underline{0}$ 27'45	
minimum elong	-7248 Nov 01 j 12:36	19° $\overline{00}$ 20'44	0°32'13	behind sun end	-7242 Nov 26 j 03:10	13° $\underline{0}$ 29'16	
max. Earth dist.	-7248 Nov 02 j 19:30	19° $\overline{00}$ 25'15	20.80400 AU	max. Earth dist.	-7242 Nov 27 j 05:26	13° $\underline{0}$ 33'04	21.04647 AU
morning rise	-7248 Nov 17 j 06:11	20° $\overline{00}$ 15'31		morning rise	-7242 Dec 11 j 20:41	14° $\underline{0}$ 23'03	
retrograde	-7247 Feb 19 j 02:08	23° $\overline{00}$ 24'52		retrograde	-7241 Mar 16 j 08:15	17° $\underline{0}$ 30'31	
min. Earth dist.	-7247 May 07 j 02:09	21° $\overline{00}$ 28'20	18.83065 AU	opposition	-7241 Jun 02 j 17:46	15° $\underline{0}$ 31'11	0°08'21
opposition	-7247 May 08 j 07:42	21° $\overline{00}$ 25'22	0°33'31	min. Earth dist.	-7241 Jun 01 j 12:32	15° $\underline{0}$ 34'06	19.05896 AU
direct	-7247 Jul 23 j 07:30	19° $\overline{00}$ 28'24		direct	-7241 Aug 17 j 01:47	13° $\underline{0}$ 35'16	
evening set	-7247 Oct 21 j 03:10	22° $\overline{00}$ 30'00		evening set	-7241 Nov 14 j 06:48	16° $\underline{0}$ 32'54	
conjunction	-7247 Nov 05 j 18:32	23° $\overline{00}$ 24'16	0°28'35	conjunction	-7241 Nov 30 j 02:50	17° $\underline{0}$ 26'53	0°05'42
minimum elong	-7247 Nov 05 j 18:32	23° $\overline{00}$ 24'16	0°28'41	minimum elong	-7241 Nov 30 j 02:49	17° $\underline{0}$ 26'53	0°05'36
max. Earth dist.	-7247 Nov 07 j 01:57	23° $\overline{00}$ 28'51	20.85563 AU	behind sun begin	-7241 Nov 29 j 20:29	17° $\underline{0}$ 26'00	
morning rise	-7247 Nov 21 j 12:54	24° $\overline{00}$ 18'59		behind sun end	-7241 Nov 30 j 09:09	17° $\underline{0}$ 27'46	
retrograde	-7246 Feb 23 j 13:08	27° $\overline{00}$ 27'58		max. Earth dist.	-7241 Dec 01 j 09:57	17° $\underline{0}$ 31'20	21.06938 AU
min. Earth dist.	-7246 May 11 j 11:47	25° $\overline{00}$ 31'40	18.88046 AU	morning rise	-7241 Dec 16 j 02:51	18° $\underline{0}$ 21'26	
opposition	-7246 May 12 j 18:48	25° $\overline{00}$ 28'34	0°29'35	retrograde	-7240 Mar 19 j 17:27	21° $\underline{0}$ 28'39	
direct	-7246 Jul 27 j 16:13	23° $\overline{00}$ 31'52		min. Earth dist.	-7240 Jun 04 j 19:50	19° $\underline{0}$ 32'12	19.07942 AU
evening set	-7246 Oct 25 j 08:08	26° $\overline{00}$ 32'39		opposition	-7240 Jun 06 j 01:24	19° $\underline{0}$ 29'14	0°03'58
				direct	-7240 Aug 20 j 08:45	17° $\underline{0}$ 33'20	
conjunction	-7246 Nov 10 j 00:05	27° $\overline{00}$ 26'51	0°24'58	evening set	-7240 Nov 17 j 11:02	20° $\underline{0}$ 30'32	
minimum elong	-7246 Nov 10 j 00:06	27° $\overline{00}$ 26'51	0°25'03				
max. Earth dist.	-7246 Nov 11 j 08:12	27° $\overline{00}$ 31'30	20.90340 AU	conjunction	-7240 Dec 03 j 07:55	21° $\underline{0}$ 24'32	0°01'42
morning rise	-7246 Nov 25 j 19:19	28° $\overline{00}$ 21'29		minimum elong	-7240 Dec 03 j 07:55	21° $\underline{0}$ 24'32	0°01'34
	-7246 Dec 27 j 12:47	0° $\underline{0}$		behind sun begin	-7240 Dec 03 j 01:18	21° $\underline{0}$ 23'37	
retrograde	-7245 Feb 27 j 21:24	1° $\underline{0}$ 30'08		behind sun end	-7240 Dec 03 j 14:31	21° $\underline{0}$ 25'27	
	-7245 May 04 j 22:19	30° $\overline{00}$ 18		max. Earth dist.	-7240 Dec 04 j 15:01	21° $\underline{0}$ 28'58	21.08745 AU
min. Earth dist.	-7245 May 15 j 23:14	29° $\overline{00}$ 33'50	18.92618 AU	morning rise	-7240 Dec 19 j 08:56	22° $\underline{0}$ 19'06	
opposition	-7245 May 17 j 05:27	29° $\overline{00}$ 30'48	0°25'31	retrograde	-7239 Mar 24 j 00:01	25° $\underline{0}$ 26'07	
direct	-7245 Jul 31 j 23:30	27° $\overline{00}$ 34'23		desc. node	-7239 May 05 j 22:35	24° $\underline{0}$ 44'42	
	-7245 Oct 19 j 03:56	0° $\underline{0}$		min. Earth dist.	-7239 Jun 09 j 04:18	23° $\underline{0}$ 29'27	19.09535 AU
evening set	-7245 Oct 29 j 13:02	0° $\underline{0}$ 34'25		opposition	-7239 Jun 10 j 08:31	23° $\underline{0}$ 26'37	-0°00'26
				direct	-7239 Aug 24 j 12:54	21° $\underline{0}$ 30'43	
conjunction	-7245 Nov 14 j 05:44	1° $\underline{0}$ 28'32	0°21'15	evening set	-7239 Nov 21 j 15:09	24° $\underline{0}$ 27'35	
minimum elong	-7245 Nov 14 j 05:44	1° $\underline{0}$ 28'32	0°21'17				
max. Earth dist.	-7245 Nov 15 j 13:47	1° $\underline{0}$ 33'10	20.94692 AU	conjunction	-7239 Dec 07 j 12:59	25° $\underline{0}$ 21'36	-0°02'23
morning rise	-7245 Nov 30 j 01:51	2° $\underline{0}$ 23'07		minimum elong	-7239 Dec 07 j 12:59	25° $\underline{0}$ 21'36	0°02'32
retrograde	-7244 Mar 03 j 07:54	5° $\underline{0}$ 31'27		behind sun begin	-7239 Dec 07 j 06:23	25° $\underline{0}$ 20'41	
min. Earth dist.	-7244 May 19 j 08:08	3° $\underline{0}$ 35'17	18.96729 AU	behind sun end	-7239 Dec 07 j 19:35	25° $\underline{0}$ 22'30	

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Attention, astronomical year style is used: The year -7239 in astronomical counting style is the year 7240 BCE in historical counting style.

max. Earth dist.	-7239 Dec 08 j 19:25	25° $\underline{\text{A}}$ 25'56	21.10143 AU	direct	-7233 Sep 17 j 14:53	15° M .10'44	
morning rise	-7239 Dec 23 j 15:03	26° $\underline{\text{A}}$ 16'13		evening set	-7233 Dec 15 j 20:02	18° M .07'23	
retrograde	-7238 Mar 28 j 08:26	29° $\underline{\text{A}}$ 23'04					
min. Earth dist.	-7238 Jun 13 j 10:44	27° $\underline{\text{A}}$ 26'21	19.10734 AU	conjunction	-7233 Dec 31 j 23:57	19° M .01'56	-0°25'17
opposition	-7238 Jun 14 j 15:14	27° $\underline{\text{A}}$ 23'29	-0°04'49	minimum elong	-7233 Dec 31 j 23:56	19° M .01'56	0°25'37
direct	-7238 Aug 28 j 18:46	25° $\underline{\text{A}}$ 27'35		max. Earth dist.	-7232 Jan 02 j 00:59	19° M .05'29	21.10193 AU
evening set	-7238 Nov 25 j 19:16	28° $\underline{\text{A}}$ 24'11		morning rise	-7232 Jan 17 j 08:14	19° M .57'07	
				retrograde	-7232 Apr 21 j 08:20	23° M .04'04	
conjunction	-7238 Dec 11 j 18:04	29° $\underline{\text{A}}$ 18'14	-0°06'20	min. Earth dist.	-7232 Jul 07 j 03:58	21° M .06'39	19.09506 AU
minimum elong	-7238 Dec 11 j 18:04	29° $\underline{\text{A}}$ 18'14	0°06'32	opposition	-7232 Jul 08 j 02:18	21° M .04'23	-0°29'57
behind sun begin	-7238 Dec 11 j 11:51	29° $\underline{\text{A}}$ 17'23		direct	-7232 Sep 20 j 19:22	19° M .08'19	
behind sun end	-7238 Dec 12 j 00:17	29° $\underline{\text{A}}$ 19'06		evening set	-7232 Dec 19 j 02:19	22° M .05'15	
max. Earth dist.	-7238 Dec 13 j 00:25	29° $\underline{\text{A}}$ 22'33	21.11139 AU				
	-7238 Dec 24 j 00:40	0° M .		conjunction	-7231 Jan 04 j 07:13	22° M .59'58	-0°28'49
morning rise	-7238 Dec 27 j 21:10	0° M .12'55		minimum elong	-7231 Jan 04 j 07:13	22° M .59'58	0°29'10
retrograde	-7237 Apr 01 j 15:18	3° M .19'40		max. Earth dist.	-7231 Jan 05 j 07:03	23° M .03'20	21.08614 AU
opposition	-7237 Jun 18 j 21:43	1° M .20'02	-0°09'10	morning rise	-7231 Jan 20 j 16:24	23° M .55'17	
min. Earth dist.	-7237 Jun 17 j 18:36	1° M .22'45	19.11541 AU	retrograde	-7231 Apr 25 j 15:32	27° M .02'23	
	-7237 Jul 25 j 10:44	30° R $\underline{\text{A}}$		min. Earth dist.	-7231 Jul 11 j 11:45	25° M .04'44	19.07658 AU
direct	-7237 Sep 01 j 22:45	29° $\underline{\text{A}}$ 24'07		opposition	-7231 Jul 12 j 07:48	25° M .02'42	-0°33'48
	-7237 Oct 09 j 13:27	0° M .		direct	-7231 Sep 24 j 22:47	23° M .06'32	
evening set	-7237 Nov 29 j 23:40	2° M .20'32		evening set	-7231 Dec 23 j 09:04	26° M .03'48	
conjunction	-7237 Dec 15 j 23:28	3° M .14'40	-0°10'14	conjunction	-7230 Jan 08 j 15:01	26° M .58'40	-0°32'13
minimum elong	-7237 Dec 15 j 23:28	3° M .14'40	0°10'27	minimum elong	-7230 Jan 08 j 15:00	26° M .58'40	0°32'36
behind sun begin	-7237 Dec 15 j 18:17	3° M .13'57		max. Earth dist.	-7230 Jan 09 j 12:30	27° M .01'43	21.06504 AU
behind sun end	-7237 Dec 16 j 04:40	3° M .15'23		morning rise	-7230 Jan 25 j 01:13	27° M .54'08	
max. Earth dist.	-7237 Dec 17 j 04:50	3° M .18'50	21.11766 AU		-7230 Mar 09 j 15:05	0° A .	
morning rise	-7236 Jan 01 j 03:39	4° M .09'24		retrograde	-7230 Apr 30 j 01:50	1° A .01'26	
retrograde	-7236 Apr 04 j 23:40	7° M .16'05			-7230 Jun 21 j 14:29	30° R M .	
min. Earth dist.	-7236 Jun 21 j 00:33	5° M .19'09	19.11974 AU	opposition	-7230 Jul 16 j 13:20	29° M .01'42	-0°37'28
opposition	-7236 Jun 22 j 03:38	5° M .16'25	-0°13'29	min. Earth dist.	-7230 Jul 15 j 18:32	29° M .03'37	19.05264 AU
direct	-7236 Sep 05 j 03:16	3° M .20'30		direct	-7230 Sep 29 j 04:17	27° M .05'22	
evening set	-7236 Dec 03 j 04:17	6° M .16'51			-7230 Dec 26 j 18:17	0° A .	
				evening set	-7230 Dec 27 j 16:20	0° A .03'03	
conjunction	-7236 Dec 19 j 05:06	7° M .11'04	-0°14'06				
minimum elong	-7236 Dec 19 j 05:05	7° M .11'04	0°14'20	conjunction	-7229 Jan 12 j 23:22	0° A .58'06	-0°35'28
behind sun begin	-7236 Dec 19 j 02:02	7° M .10'38		minimum elong	-7229 Jan 12 j 23:22	0° A .58'06	0°35'52
behind sun end	-7236 Dec 19 j 08:08	7° M .11'29		max. Earth dist.	-7229 Jan 13 j 19:20	1° A .00'55	21.03820 AU
max. Earth dist.	-7236 Dec 20 j 10:01	7° M .15'10	21.11997 AU	morning rise	-7229 Jan 29 j 10:29	1° A .53'44	
morning rise	-7235 Jan 04 j 10:15	8° M .05'53		retrograde	-7229 May 04 j 09:14	5° A .01'14	
retrograde	-7235 Apr 09 j 06:29	11° M .12'33		opposition	-7229 Jul 20 j 19:00	3° A .01'25	-0°40'59
min. Earth dist.	-7235 Jun 25 j 08:02	9° M .15'28	19.12006 AU	min. Earth dist.	-7229 Jul 20 j 02:38	3° A .03'05	19.02294 AU
opposition	-7235 Jun 26 j 09:32	9° M .12'53	-0°17'44	direct	-7229 Oct 03 j 08:07	1° A .04'52	
direct	-7235 Sep 09 j 07:10	7° M .16'58		evening set	-7228 Jan 01 j 00:14	4° A .03'01	
evening set	-7235 Dec 07 j 09:00	10° M .13'19					
				conjunction	-7228 Jan 17 j 08:17	4° A .58'15	-0°38'33
conjunction	-7235 Dec 23 j 10:50	11° M .07'37	-0°17'54	minimum elong	-7228 Jan 17 j 08:17	4° A .58'15	0°38'57
minimum elong	-7235 Dec 23 j 10:50	11° M .07'37	0°18'11	max. Earth dist.	-7228 Jan 18 j 01:34	5° A .00'42	21.00592 AU
max. Earth dist.	-7235 Dec 24 j 14:28	11° M .11'32	21.11839 AU	morning rise	-7228 Feb 02 j 20:24	5° A .54'03	
morning rise	-7234 Jan 08 j 17:04	12° M .02'33		retrograde	-7228 May 07 j 19:27	9° A .01'47	
	-7234 Mar 24 j 23:06	15° M .		min. Earth dist.	-7228 Jul 23 j 09:38	7° A .03'22	18.98800 AU
retrograde	-7234 Apr 13 j 15:27	15° M .09'17		opposition	-7228 Jul 24 j 00:30	7° A .01'51	-0°44'18
	-7234 May 03 j 08:51	15° R M .		direct	-7228 Oct 06 j 14:23	5° A .05'01	
opposition	-7234 Jun 30 j 15:15	13° M .09'36	-0°21'55	evening set	-7227 Jan 04 j 08:37	8° A .03'43	
min. Earth dist.	-7234 Jun 29 j 14:04	13° M .12'08	19.11635 AU				
direct	-7234 Sep 13 j 11:12	11° M .13'38		conjunction	-7227 Jan 20 j 17:44	8° A .59'09	-0°41'27
evening set	-7234 Dec 11 j 14:17	14° M .10'06		minimum elong	-7227 Jan 20 j 17:44	8° A .59'09	0°41'53
	-7234 Dec 26 j 09:11	15° M .		max. Earth dist.	-7227 Jan 21 j 09:30	9° A .01'24	20.96845 AU
				morning rise	-7227 Feb 06 j 06:38	9° A .55'09	
conjunction	-7234 Dec 27 j 17:08	15° M .04'32	-0°21'38	retrograde	-7227 May 12 j 03:18	13° A .03'07	
minimum elong	-7234 Dec 27 j 17:08	15° M .04'32	0°21'56	opposition	-7227 Jul 28 j 06:16	11° A .03'03	-0°47'24
max. Earth dist.	-7234 Dec 28 j 20:03	15° M .08'20	21.11243 AU	min. Earth dist.	-7227 Jul 27 j 17:44	11° A .04'20	18.94820 AU
morning rise	-7233 Jan 13 j 00:22	15° M .59'34		direct	-7227 Oct 10 j 19:09	9° A .05'56	
retrograde	-7233 Apr 17 j 22:28	19° M .06'23		evening set	-7226 Jan 08 j 17:24	12° A .05'12	
opposition	-7233 Jul 04 j 20:48	17° M .06'43	-0°25'59				
min. Earth dist.	-7233 Jul 03 j 21:35	17° M .09'04	19.10811 AU	conjunction	-7226 Jan 25 j 03:29	13° A .00'52	-0°44'09

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Attention, astronomical year style is used: The year -7226 in astronomical counting style is the year 7227 BCE in historical counting style.

minimum elong	-7226 Jan 25 j 03:29	13° ♂ 00'52	0°44'35	opposition	-7220 Aug 25 j 05:10	9° ♂ 42'23	-1°02'08
max. Earth dist.	-7226 Jan 25 j 16:39	13° ♂ 02'44	20.92666 AU	min. Earth dist.	-7220 Aug 25 j 05:27	9° ♂ 42'21	18.58165 AU
morning rise	-7226 Feb 10 j 17:21	13° ♂ 57'03		direct	-7220 Nov 07 j 19:40	7° ♂ 42'54	
retrograde	-7226 May 16 j 13:20	17° ♂ 05'18		evening set	-7219 Feb 07 j 04:26	10° ♂ 48'31	
opposition	-7226 Aug 01 j 12:06	15° ♂ 05'05	-0°50'17				
min. Earth dist.	-7226 Aug 01 j 01:00	15° ♂ 06'14	18.90443 AU	conjunction	-7219 Feb 23 j 20:48	11° ♂ 46'00	-0°56'30
direct	-7226 Oct 15 j 01:29	13° ♂ 07'38		minimum elong	-7219 Feb 23 j 20:48	11° ♂ 46'00	0°56'59
evening set	-7225 Jan 13 j 02:59	16° ♂ 07'36		max. Earth dist.	-7219 Feb 23 j 19:19	11° ♂ 45'47	20.55086 AU
				morning rise	-7219 Mar 12 j 15:05	12° ♂ 43'47	
conjunction	-7225 Jan 29 j 14:06	17° ♂ 03'29	-0°46'38	retrograde	-7219 Jun 14 j 20:04	15° ♂ 54'59	
minimum elong	-7225 Jan 29 j 14:06	17° ♂ 03'29	0°47'06	opposition	-7219 Aug 29 j 13:42	13° ♂ 54'08	-1°03'04
max. Earth dist.	-7225 Jan 30 j 01:52	17° ♂ 05'09	20.88097 AU	min. Earth dist.	-7219 Aug 29 j 16:10	13° ♂ 53'53	18.51971 AU
morning rise	-7225 Feb 15 j 04:41	17° ♂ 59'52		direct	-7219 Nov 12 j 04:23	11° ♂ 54'19	
retrograde	-7225 May 20 j 22:24	21° ♂ 08'25		evening set	-7218 Feb 11 j 19:47	15° ♂ 01'06	
opposition	-7225 Aug 05 j 18:03	19° ♂ 08'04	-0°52'56				
min. Earth dist.	-7225 Aug 05 j 09:10	19° ♂ 09'00	18.85705 AU	conjunction	-7218 Feb 28 j 12:45	15° ♂ 58'52	-0°57'11
direct	-7225 Oct 19 j 07:15	17° ♂ 10'18		minimum elong	-7218 Feb 28 j 12:45	15° ♂ 58'52	0°57'40
evening set	-7224 Jan 17 j 13:18	20° ♂ 11'00		max. Earth dist.	-7218 Feb 28 j 07:43	15° ♂ 58'08	20.48778 AU
				morning rise	-7218 Mar 17 j 07:38	16° ♂ 56'55	
conjunction	-7224 Feb 03 j 01:19	21° ♂ 07'08	-0°48'55	retrograde	-7218 Jun 19 j 10:21	20° ♂ 08'41	
minimum elong	-7224 Feb 03 j 01:19	21° ♂ 07'08	0°49'22	opposition	-7218 Sep 02 j 22:51	18° ♂ 07'45	-1°03'40
max. Earth dist.	-7224 Feb 03 j 10:15	21° ♂ 08'24	20.83214 AU	min. Earth dist.	-7218 Sep 03 j 03:35	18° ♂ 07'15	18.45539 AU
morning rise	-7224 Feb 19 j 16:46	22° ♂ 03'44		direct	-7218 Nov 16 j 14:15	16° ♂ 07'33	
retrograde	-7224 May 24 j 08:40	25° ♂ 12'38		evening set	-7217 Feb 16 j 12:13	19° ♂ 15'34	
opposition	-7224 Aug 09 j 00:19	23° ♂ 12'09	-0°55'20				
min. Earth dist.	-7224 Aug 08 j 16:54	23° ♂ 12'55	18.80678 AU	conjunction	-7217 Mar 05 j 06:00	20° ♂ 13'38	-0°57'33
direct	-7224 Oct 22 j 13:50	21° ♂ 14'01		minimum elong	-7217 Mar 05 j 06:00	20° ♂ 13'38	0°58'01
evening set	-7223 Jan 21 j 00:10	24° ♂ 15'34		max. Earth dist.	-7217 Mar 04 j 23:16	20° ♂ 12'39	20.42206 AU
				morning rise	-7217 Mar 22 j 01:03	21° ♂ 11'56	
conjunction	-7223 Feb 06 j 13:09	25° ♂ 11'56	-0°50'57	retrograde	-7217 Jun 24 j 01:05	24° ♂ 24'14	
minimum elong	-7223 Feb 06 j 13:09	25° ♂ 11'56	0°51'26	opposition	-7217 Sep 07 j 08:35	22° ♂ 23'14	-1°03'55
max. Earth dist.	-7223 Feb 06 j 20:44	25° ♂ 13'01	20.78040 AU	min. Earth dist.	-7217 Sep 07 j 15:32	22° ♂ 22'30	18.38834 AU
morning rise	-7223 Feb 23 j 05:10	26° ♂ 08'46		direct	-7217 Nov 21 j 00:59	20° ♂ 22'39	
retrograde	-7223 May 28 j 18:53	29° ♂ 18'03		evening set	-7216 Feb 21 j 05:44	23° ♂ 31'54	
opposition	-7223 Aug 13 j 06:55	27° ♂ 17'28	-0°57'28				
min. Earth dist.	-7223 Aug 13 j 01:33	27° ♂ 18'01	18.75379 AU	conjunction	-7216 Mar 08 j 23:56	24° ♂ 30'16	-0°57'36
direct	-7223 Oct 26 j 20:27	25° ♂ 19'00		minimum elong	-7216 Mar 08 j 23:56	24° ♂ 30'16	0°58'03
evening set	-7222 Jan 25 j 11:54	28° ♂ 21'27		max. Earth dist.	-7216 Mar 08 j 13:19	24° ♂ 28'43	20.35382 AU
				morning rise	-7216 Mar 25 j 19:25	25° ♂ 28'50	
conjunction	-7222 Feb 11 j 01:43	29° ♂ 18'05	-0°52'44	retrograde	-7216 Jun 27 j 16:07	28° ♂ 41'41	
minimum elong	-7222 Feb 11 j 01:43	29° ♂ 18'05	0°53'14	opposition	-7216 Sep 10 j 19:04	26° ♂ 40'34	-1°03'49
max. Earth dist.	-7222 Feb 11 j 06:20	29° ♂ 18'44	20.72638 AU	min. Earth dist.	-7216 Sep 11 j 04:27	26° ♂ 39'34	18.31898 AU
	-7222 Feb 23 j 07:02	0° ♂		direct	-7216 Nov 24 j 12:22	24° ♂ 39'32	
morning rise	-7222 Feb 27 j 18:32	0° ♂ 15'08		evening set	-7215 Feb 24 j 23:48	27° ♂ 50'04	
retrograde	-7222 Jun 02 j 06:21	3° ♂ 24'52					
opposition	-7222 Aug 17 j 13:51	1° ♂ 24'10	-0°59'19	conjunction	-7215 Mar 13 j 18:41	28° ♂ 48'44	-0°57'19
min. Earth dist.	-7222 Aug 17 j 10:05	1° ♂ 24'34	18.69866 AU	minimum elong	-7215 Mar 13 j 18:41	28° ♂ 48'44	0°57'46
	-7222 Sep 23 j 21:33	30° ♂		max. Earth dist.	-7215 Mar 13 j 06:35	28° ♂ 46'58	20.28333 AU
direct	-7222 Oct 31 j 03:45	29° ♂ 25'22		morning rise	-7215 Mar 30 j 14:10	29° ♂ 47'32	
	-7222 Dec 06 j 20:10	0° ♂			-7215 Apr 03 j 05:44	0° ♂	
evening set	-7221 Jan 30 j 00:26	2° ♂ 28'48		retrograde	-7215 Jul 02 j 08:17	3° ♂ 00'57	
				opposition	-7215 Sep 15 j 06:12	0° ♂ 59'43	-1°03'20
conjunction	-7221 Feb 15 j 15:14	3° ♂ 25'42	-0°54'16	min. Earth dist.	-7215 Sep 15 j 17:27	0° ♂ 58'31	18.24756 AU
minimum elong	-7221 Feb 15 j 15:14	3° ♂ 25'42	0°54'45		-7215 Oct 09 j 15:03	30° ♂	
max. Earth dist.	-7221 Feb 15 j 18:28	3° ♂ 26'10	20.67007 AU	direct	-7215 Nov 29 j 01:11	28° ♂ 58'14	
morning rise	-7221 Mar 04 j 08:32	4° ♂ 23'00			-7214 Jan 17 j 11:42	0° ♂	
retrograde	-7221 Jun 06 j 17:55	7° ♂ 33'10		evening set	-7214 Mar 01 j 19:02	2° ♂ 10'03	
opposition	-7221 Aug 21 j 21:18	5° ♂ 32'26	-1°00'53				
min. Earth dist.	-7221 Aug 21 j 19:40	5° ♂ 32'36	18.64120 AU	conjunction	-7214 Mar 18 j 14:13	3° ♂ 09'01	-0°56'42
direct	-7221 Nov 04 j 11:13	3° ♂ 33'18		minimum elong	-7214 Mar 18 j 14:13	3° ♂ 09'01	0°57'08
evening set	-7220 Feb 03 j 14:01	6° ♂ 37'47		max. Earth dist.	-7214 Mar 17 j 22:23	3° ♂ 06'41	20.21128 AU
				morning rise	-7214 Apr 04 j 09:59	4° ♂ 08'05	
conjunction	-7220 Feb 20 j 05:31	7° ♂ 34'58	-0°55'32	retrograde	-7214 Jul 06 j 23:52	7° ♂ 22'03	
minimum elong	-7220 Feb 20 j 05:31	7° ♂ 34'58	0°56'02	opposition	-7214 Sep 19 j 17:51	5° ♂ 20'39	-1°02'30
max. Earth dist.	-7220 Feb 20 j 05:28	7° ♂ 34'57	20.61161 AU	min. Earth dist.	-7214 Sep 20 j 07:33	5° ♂ 19'11	18.17507 AU
morning rise	-7220 Mar 07 j 23:29	8° ♂ 32'30		direct	-7214 Dec 03 j 14:02	3° ♂ 18'41	
retrograde	-7220 Jun 10 j 06:55	11° ♂ 43'11		evening set	-7213 Mar 06 j 15:00	6° ♂ 31'50	

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Attention, astronomical year style is used: The year -7213 in astronomical counting style is the year 7214 BCE in historical counting style.

conjunction	-7213 Mar 23 j 10:45	7° \approx 31'05	-0°55'45	morning rise	-7207 May 06 j 22:02	5° \approx 22'51	
minimum elong	-7213 Mar 23 j 10:45	7° \approx 31'05	0°56'11	retrograde	-7207 Aug 07 j 09:20	8° \approx 40'46	
max. Earth dist.	-7213 Mar 22 j 17:41	7° \approx 28'34	20.13841 AU	opposition	-7207 Oct 20 j 00:56	6° \approx 38'42	-0°46'31
morning rise	-7213 Apr 09 j 06:24	8° \approx 30'24		min. Earth dist.	-7207 Oct 21 j 00:12	6° \approx 36'10	17.69717 AU
retrograde	-7213 Jul 11 j 17:28	11° \approx 44'54		direct	-7206 Jan 03 j 11:43	4° \approx 33'54	
opposition	-7213 Sep 24 j 06:14	9° \approx 43'22	-1°01'18	evening set	-7206 Apr 08 j 09:45	7° \approx 56'28	
min. Earth dist.	-7213 Sep 24 j 21:27	9° \approx 41'44	18.10202 AU	max. Earth dist.	-7206 Apr 23 j 23:54	8° \approx 53'03	19.66766 AU
direct	-7213 Dec 08 j 04:28	7° \approx 40'56					
evening set	-7212 Mar 10 j 11:57	10° \approx 55'24		conjunction	-7206 Apr 25 j 05:27	8° \approx 57'33	-0°40'09
max. Earth dist.	-7212 Mar 26 j 11:22	11° \approx 51'55	20.06546 AU	minimum elong	-7206 Apr 25 j 05:27	8° \approx 57'33	0°40'22
				morning rise	-7206 May 11 j 22:48	9° \approx 58'20	
conjunction	-7212 Mar 27 j 07:47	11° \approx 54'57	-0°54'29	retrograde	-7206 Aug 12 j 05:15	13° \approx 16'48	
minimum elong	-7212 Mar 27 j 07:47	11° \approx 54'57	0°54'53	opposition	-7206 Oct 24 j 19:02	11° \approx 14'44	-0°42'51
morning rise	-7212 Apr 13 j 03:29	12° \approx 54'30		min. Earth dist.	-7206 Oct 25 j 20:26	11° \approx 11'58	17.63963 AU
	-7212 May 23 j 22:47	15° \approx		direct	-7205 Jan 08 j 07:55	9° \approx 09'40	
retrograde	-7212 Jul 15 j 09:58	16° \approx 09'35		evening set	-7205 Apr 13 j 12:12	12° \approx 33'30	
	-7212 Sep 06 j 23:08	15° \approx		max. Earth dist.	-7205 Apr 29 j 01:01	13° \approx 30'07	19.61167 AU
opposition	-7212 Sep 27 j 19:22	14° \approx 07'54	-0°59'43				
min. Earth dist.	-7212 Sep 28 j 12:50	14° \approx 06'00	18.02949 AU	conjunction	-7205 Apr 30 j 07:31	13° \approx 34'47	-0°36'42
direct	-7212 Dec 11 j 19:06	12° \approx 04'58		minimum elong	-7205 Apr 30 j 07:31	13° \approx 34'47	0°36'54
	-7211 Mar 09 j 08:51	15° \approx		morning rise	-7205 May 17 j 00:12	14° \approx 35'43	
evening set	-7211 Mar 15 j 09:29	15° \approx 20'48		retrograde	-7205 Aug 17 j 03:47	17° \approx 54'43	
max. Earth dist.	-7211 Mar 31 j 08:26	16° \approx 17'28	19.99340 AU	opposition	-7205 Oct 29 j 14:03	15° \approx 52'40	-0°38'53
				min. Earth dist.	-7205 Oct 30 j 15:35	15° \approx 49'53	17.58510 AU
conjunction	-7211 Apr 01 j 05:42	16° \approx 20'38	-0°52'53	direct	-7204 Jan 13 j 06:32	13° \approx 47'20	
minimum elong	-7211 Apr 01 j 05:42	16° \approx 20'38	0°53'16	evening set	-7204 Apr 17 j 15:14	17° \approx 12'24	
morning rise	-7211 Apr 18 j 01:07	17° \approx 20'25		max. Earth dist.	-7204 May 03 j 02:24	18° \approx 08'59	19.55852 AU
retrograde	-7211 Jul 20 j 04:31	20° \approx 36'03					
opposition	-7211 Oct 02 j 09:10	18° \approx 34'14	-0°57'47	conjunction	-7204 May 04 j 10:01	18° \approx 13'51	-0°33'00
min. Earth dist.	-7211 Oct 03 j 03:35	18° \approx 32'14	17.95813 AU	minimum elong	-7204 May 04 j 10:02	18° \approx 13'51	0°33'08
direct	-7211 Dec 16 j 10:49	16° \approx 30'53		morning rise	-7204 May 21 j 01:47	19° \approx 14'55	
evening set	-7210 Mar 20 j 07:57	19° \approx 48'03		retrograde	-7204 Aug 21 j 00:53	22° \approx 34'24	
max. Earth dist.	-7210 Apr 05 j 04:01	20° \approx 44'33	19.92291 AU	opposition	-7204 Nov 02 j 10:09	20° \approx 32'22	-0°34'38
				min. Earth dist.	-7204 Nov 03 j 13:38	20° \approx 29'22	17.53356 AU
conjunction	-7210 Apr 06 j 04:09	20° \approx 48'10	-0°50'58	direct	-7203 Jan 17 j 04:17	18° \approx 26'46	
minimum elong	-7210 Apr 06 j 04:09	20° \approx 48'10	0°51'19	evening set	-7203 Apr 22 j 18:51	21° \approx 52'58	
morning rise	-7210 Apr 22 j 23:27	21° \approx 48'10		max. Earth dist.	-7203 May 08 j 04:10	22° \approx 49'30	19.50851 AU
retrograde	-7210 Jul 24 j 22:13	25° \approx 04'23					
opposition	-7210 Oct 06 j 23:54	23° \approx 02'27	-0°55'30	conjunction	-7203 May 09 j 13:00	22° \approx 54'34	-0°29'03
min. Earth dist.	-7210 Oct 07 j 20:25	23° \approx 00'13	17.88877 AU	minimum elong	-7203 May 09 j 13:00	22° \approx 54'34	0°29'10
direct	-7210 Dec 21 j 03:19	20° \approx 58'39		morning rise	-7203 May 26 j 04:00	23° \approx 55'45	
evening set	-7209 Mar 25 j 07:12	24° \approx 17'12		retrograde	-7203 Aug 26 j 01:00	27° \approx 15'41	
max. Earth dist.	-7209 Apr 10 j 02:41	25° \approx 13'50	19.85468 AU	opposition	-7203 Nov 07 j 06:49	25° \approx 13'37	-0°30'07
				min. Earth dist.	-7203 Nov 08 j 10:12	25° \approx 10'38	17.48508 AU
conjunction	-7209 Apr 11 j 03:32	25° \approx 17'35	-0°48'43	direct	-7202 Jan 22 j 04:52	23° \approx 07'46	
minimum elong	-7209 Apr 11 j 03:33	25° \approx 17'35	0°49'02	evening set	-7202 Apr 27 j 22:55	26° \approx 35'01	
morning rise	-7209 Apr 27 j 22:25	26° \approx 17'48		max. Earth dist.	-7202 May 13 j 07:14	27° \approx 31'36	19.46155 AU
retrograde	-7209 Jul 29 j 17:45	29° \approx 34'34					
opposition	-7209 Oct 11 j 15:17	27° \approx 32'34	-0°52'51	conjunction	-7202 May 14 j 16:29	27° \approx 36'45	-0°24'53
min. Earth dist.	-7209 Oct 12 j 12:20	27° \approx 30'16	17.82182 AU	minimum elong	-7202 May 14 j 16:29	27° \approx 36'45	0°24'57
direct	-7209 Dec 25 j 21:12	25° \approx 28'24		morning rise	-7202 May 31 j 06:25	28° \approx 38'02	
evening set	-7208 Mar 29 j 07:24	28° \approx 48'18			-7202 Jun 24 j 04:30	0° \approx	
max. Earth dist.	-7208 Apr 14 j 00:20	29° \approx 44'49	19.78915 AU	retrograde	-7202 Aug 30 j 23:02	1° \approx 58'21	
					-7202 Nov 10 j 18:22	30° \approx	
conjunction	-7208 Apr 15 j 03:31	29° \approx 48'56	-0°46'10	opposition	-7202 Nov 12 j 04:33	29° \approx 56'16	-0°25'23
minimum elong	-7208 Apr 15 j 03:32	29° \approx 48'56	0°46'28	min. Earth dist.	-7202 Nov 13 j 09:35	29° \approx 53'06	17.43983 AU
	-7208 Apr 18 j 04:43	0° \approx		direct	-7201 Jan 27 j 03:57	27° \approx 50'10	
morning rise	-7208 May 01 j 22:00	0° \approx 49'21			-7201 Apr 10 j 09:55	0° \approx	
retrograde	-7208 Aug 02 j 12:26	4° \approx 06'42		evening set	-7201 May 03 j 03:26	1° \approx 18'22	
opposition	-7208 Oct 15 j 07:46	2° \approx 04'38	-0°49'51	max. Earth dist.	-7201 May 18 j 09:36	2° \approx 14'50	19.41814 AU
min. Earth dist.	-7208 Oct 16 j 06:47	2° \approx 02'08	17.75793 AU				
direct	-7208 Dec 29 j 15:26	0° \approx 00'08		conjunction	-7201 May 19 j 20:03	2° \approx 20'12	-0°20'33
evening set	-7207 Apr 03 j 08:02	3° \approx 21'22		minimum elong	-7201 May 19 j 20:03	2° \approx 20'12	0°20'35
max. Earth dist.	-7207 Apr 19 j 00:18	4° \approx 18'01	19.72686 AU	morning rise	-7201 Jun 05 j 09:05	3° \approx 21'32	
				retrograde	-7201 Sep 04 j 23:45	6° \approx 42'13	
conjunction	-7207 Apr 20 j 04:04	4° \approx 22'15	-0°43'18	opposition	-7201 Nov 17 j 02:50	4° \approx 40'04	-0°20'27
minimum elong	-7207 Apr 20 j 04:05	4° \approx 22'15	0°43'33	min. Earth dist.	-7201 Nov 18 j 07:28	4° \approx 36'57	17.39834 AU

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Attention, astronomical year style is used: The year -7200 in astronomical counting style is the year 7201 BCE in historical counting style.

direct	-7200 Feb 01 j 05:56	2°Υ33'44		minimum elong	-7195 Jun 17 j 17:22	0°♄56'56	0°07'50
evening set	-7200 May 07 j 08:03	6°Υ02'47		behind sun begin	-7195 Jun 17 j 11:21	0°♄56'01	
				behind sun end	-7195 Jun 17 j 23:24	0°♄57'52	
conjunction	-7200 May 23 j 23:55	7°Υ04'42	-0°16'03	morning rise	-7195 Jul 03 j 23:08	1°♄58'08	
minimum elong	-7200 May 23 j 23:55	7°Υ04'42	0°16'03	retrograde	-7195 Oct 02 j 22:11	5°♄20'03	
max. Earth dist.	-7200 May 22 j 14:07	6°Υ59'25	19.37870 AU	opposition	-7195 Dec 15 j 06:06	3°♄17'49	0°11'04
morning rise	-7200 Jun 09 j 11:42	8°Υ06'04		min. Earth dist.	-7195 Dec 16 j 08:20	3°♄14'58	17.26100 AU
retrograde	-7200 Sep 08 j 22:30	11°Υ27'03		direct	-7194 Mar 02 j 00:04	1°♄10'53	
opposition	-7200 Nov 21 j 02:01	9°Υ24'52	-0°15'22	evening set	-7194 Jun 06 j 11:28	4°♄42'46	
min. Earth dist.	-7200 Nov 22 j 07:37	9°Υ21'38	17.36118 AU				
direct	-7199 Feb 05 j 06:35	7°Υ18'19		conjunction	-7194 Jun 22 j 20:23	5°♄44'29	0°12'21
evening set	-7199 May 12 j 12:45	10°Υ48'06		minimum elong	-7194 Jun 22 j 20:23	5°♄44'29	0°12'35
max. Earth dist.	-7199 May 27 j 16:52	11°Υ44'37	19.34400 AU	behind sun begin	-7194 Jun 22 j 16:07	5°♄43'50	
				behind sun end	-7194 Jun 23 j 00:40	5°♄45'09	
conjunction	-7199 May 29 j 03:31	11°Υ50'03	-0°11'27	max. Earth dist.	-7194 Jun 21 j 15:54	5°♄39'59	19.25970 AU
minimum elong	-7199 May 29 j 03:30	11°Υ50'03	0°11'23	morning rise	-7194 Jul 09 j 00:45	6°♄45'34	
behind sun begin	-7199 May 28 j 22:39	11°Υ49'18		retrograde	-7194 Oct 07 j 22:49	10°♄07'33	
behind sun end	-7199 May 29 j 08:22	11°Υ50'47		opposition	-7194 Dec 20 j 08:28	8°♄05'27	0°16'18
morning rise	-7199 Jun 14 j 14:21	12°Υ51'26		min. Earth dist.	-7194 Dec 21 j 09:14	8°♄02'45	17.26083 AU
retrograde	-7199 Sep 13 j 23:06	16°Υ12'41		direct	-7193 Mar 07 j 05:27	5°♄58'39	
opposition	-7199 Nov 26 j 01:38	14°Υ10'26	-0°10'09	evening set	-7193 Jun 11 j 15:25	9°♄30'36	
min. Earth dist.	-7199 Nov 27 j 06:32	14°Υ07'17	17.32902 AU				
direct	-7198 Feb 10 j 09:39	12°Υ03'42		conjunction	-7193 Jun 27 j 22:52	10°♄32'11	0°16'58
evening set	-7198 May 17 j 17:29	15°Υ34'07		minimum elong	-7193 Jun 27 j 22:52	10°♄32'11	0°17'14
max. Earth dist.	-7198 Jun 01 j 22:15	16°Υ30'54	19.31448 AU	max. Earth dist.	-7193 Jun 26 j 19:17	10°♄27'49	19.26292 AU
				morning rise	-7193 Jul 14 j 01:57	11°♄33'08	
conjunction	-7198 Jun 03 j 07:21	16°Υ36'06	-0°06'46	retrograde	-7193 Oct 12 j 22:32	14°♄55'11	
minimum elong	-7198 Jun 03 j 07:21	16°Υ36'05	0°06'41	opposition	-7193 Dec 25 j 11:15	12°♄53'12	0°21'25
behind sun begin	-7198 Jun 03 j 01:04	16°Υ35'08		min. Earth dist.	-7193 Dec 26 j 11:03	12°♄50'37	17.26736 AU
behind sun end	-7198 Jun 03 j 13:38	16°Υ37'03		direct	-7192 Mar 11 j 09:35	10°♄46'34	
morning rise	-7198 Jun 19 j 16:49	17°Υ37'27		evening set	-7192 Jun 15 j 18:55	14°♄18'30	
retrograde	-7198 Sep 18 j 22:11	20°Υ58'55			-7192 Jun 26 j 19:34	15°♄	
opposition	-7198 Dec 01 j 01:57	18°Υ56'39	-0°04'53	max. Earth dist.	-7192 Jun 30 j 23:52	15°♄15'55	19.27262 AU
min. Earth dist.	-7198 Dec 02 j 07:04	18°Υ53'28	17.30230 AU				
direct	-7197 Feb 15 j 12:07	16°Υ49'46		conjunction	-7192 Jul 02 j 01:06	15°♄19'55	0°21'29
evening set	-7197 May 22 j 22:22	20°Υ20'43		minimum elong	-7192 Jul 02 j 01:05	15°♄19'55	0°21'48
max. Earth dist.	-7197 Jun 07 j 01:27	21°Υ17'24	19.29082 AU	morning rise	-7192 Jul 18 j 02:51	16°♄20'43	
				retrograde	-7192 Oct 16 j 23:47	19°♄42'45	
conjunction	-7197 Jun 08 j 10:55	21°Υ22'40	-0°02'00	opposition	-7192 Dec 29 j 14:14	17°♄40'55	0°26'24
minimum elong	-7197 Jun 08 j 10:54	21°Υ22'40	0°01'52	min. Earth dist.	-7192 Dec 30 j 12:02	17°♄38'34	17.27994 AU
behind sun begin	-7197 Jun 08 j 04:11	21°Υ21'38		direct	-7191 Mar 16 j 15:07	15°♄34'30	
behind sun end	-7197 Jun 08 j 17:38	21°Υ23'42		evening set	-7191 Jun 20 j 22:01	19°♄06'16	
morning rise	-7197 Jun 24 j 19:16	22°Υ24'00		max. Earth dist.	-7191 Jul 06 j 02:58	20°♄03'44	19.28805 AU
retrograde	-7197 Sep 23 j 22:31	25°Υ45'39					
asc. node	-7197 Nov 06 j 01:44	24°Υ56'44		conjunction	-7191 Jul 07 j 02:48	20°♄07'31	0°25'51
opposition	-7197 Dec 06 j 02:52	23°Υ43'21	0°00'27	minimum elong	-7191 Jul 07 j 02:48	20°♄07'31	0°26'12
min. Earth dist.	-7197 Dec 07 j 06:57	23°Υ40'17	17.28185 AU	morning rise	-7191 Jul 23 j 03:16	21°♄08'09	
direct	-7196 Feb 20 j 15:52	21°Υ36'23		retrograde	-7191 Oct 21 j 23:45	24°♄30'07	
evening set	-7196 May 27 j 02:46	25°Υ07'45		opposition	-7190 Jan 03 j 17:36	22°♄28'26	0°31'11
max. Earth dist.	-7196 Jun 11 j 07:05	26°Υ04'43	19.27358 AU	min. Earth dist.	-7190 Jan 04 j 14:40	22°♄26'10	17.29814 AU
				direct	-7190 Mar 21 j 18:53	20°♄22'14	
conjunction	-7196 Jun 12 j 14:15	26°Υ09'38	0°02'54	evening set	-7190 Jun 26 j 00:39	23°♄53'42	
minimum elong	-7196 Jun 12 j 14:15	26°Υ09'38	0°03'04	max. Earth dist.	-7190 Jul 11 j 06:08	24°♄51'16	19.30885 AU
behind sun begin	-7196 Jun 12 j 07:34	26°Υ08'37					
behind sun end	-7196 Jun 12 j 20:56	26°Υ10'40		conjunction	-7190 Jul 12 j 04:02	24°♄54'45	0°30'03
morning rise	-7196 Jun 28 j 21:12	27°Υ10'54		minimum elong	-7190 Jul 12 j 04:02	24°♄54'45	0°30'25
	-7196 Aug 24 j 19:43	0°♄		morning rise	-7190 Jul 28 j 03:15	25°♄55'11	
retrograde	-7196 Sep 27 j 22:24	0°♄32'43		retrograde	-7190 Oct 27 j 01:04	29°♄17'01	
	-7196 Nov 01 j 18:30	30°♄Υ		opposition	-7189 Jan 08 j 21:02	27°♄15'29	0°35'44
opposition	-7196 Dec 10 j 04:22	28°Υ30'26	0°05'47	min. Earth dist.	-7189 Jan 09 j 15:38	27°♄13'29	17.32129 AU
min. Earth dist.	-7196 Dec 11 j 07:40	28°Υ27'27	17.26791 AU	direct	-7189 Mar 27 j 00:02	25°♄09'31	
direct	-7195 Feb 24 j 20:03	26°Υ23'28		evening set	-7189 Jul 01 j 02:43	28°♄40'34	
evening set	-7195 Jun 01 j 07:18	29°Υ55'08		max. Earth dist.	-7189 Jul 16 j 08:53	29°♄38'14	19.33437 AU
	-7195 Jun 02 j 14:52	0°♄					
max. Earth dist.	-7195 Jun 16 j 10:27	0°♄52'03	19.26314 AU	conjunction	-7189 Jul 17 j 04:45	29°♄41'23	0°34'01
				minimum elong	-7189 Jul 17 j 04:45	29°♄41'23	0°34'25
conjunction	-7195 Jun 17 j 17:22	0°♄56'56	0°07'39		-7189 Jul 22 j 01:58	0°♄	

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Attention, astronomical year style is used: The year -7189 in astronomical counting style is the year 7190 BCE in historical counting style.

morning rise	-7189 Aug 02 j 02:39	0° Π 41'37		-7182 Feb 16 j 19:07	30° κ Π	
retrograde	-7189 Nov 01 j 01:03	4° Π 03'16	direct	-7182 Apr 30 j 02:42	28° Π 08'41	
opposition	-7188 Jan 14 j 00:45	2° Π 01'50	0°40'02	-7182 Jul 06 j 08:01	0° Θ	
min. Earth dist.	-7188 Jan 14 j 18:34	1° Π 59'56	17.34917 AU	evening set	-7182 Aug 02 j 16:57	1° Θ 33'27
	-7188 Mar 18 j 23:22	30° κ δ				
direct	-7188 Mar 31 j 03:40	29° δ 56'07		conjunction	-7182 Aug 18 j 10:33	2° Θ 32'14 0°53'42
	-7188 Apr 12 j 07:47	0° Π		minimum elong	-7182 Aug 18 j 10:33	2° Θ 32'14 0°54'11
evening set	-7188 Jul 05 j 03:57	3° Π 26'36		max. Earth dist.	-7182 Aug 18 j 06:50	2° Θ 31'39 19.63394 AU
max. Earth dist.	-7188 Jul 20 j 10:25	4° Π 24'16	19.36451 AU	morning rise	-7182 Sep 03 j 01:49	3° Θ 30'40
				retrograde	-7182 Dec 03 j 10:54	6° Θ 49'36
conjunction	-7188 Jul 21 j 04:35	4° Π 27'09	0°37'45	opposition	-7181 Feb 16 j 18:57	4° Θ 48'37 1°00'41
minimum elong	-7188 Jul 21 j 04:35	4° Π 27'09	0°38'09	min. Earth dist.	-7181 Feb 16 j 20:03	4° Θ 48'30 17.66360 AU
morning rise	-7188 Aug 06 j 01:25	5° Π 27'10		direct	-7181 May 05 j 04:00	2° Θ 44'56
retrograde	-7188 Nov 05 j 01:39	8° Π 48'35		evening set	-7181 Aug 07 j 11:38	6° Θ 08'30
opposition	-7187 Jan 18 j 04:12	6° Π 47'14	0°44'03			
min. Earth dist.	-7187 Jan 18 j 19:10	6° Π 45'39	17.38136 AU	conjunction	-7181 Aug 23 j 04:28	7° Θ 06'59 0°55'10
direct	-7187 Apr 05 j 08:47	4° Π 41'47		minimum elong	-7181 Aug 23 j 04:28	7° Θ 06'59 0°55'39
evening set	-7187 Jul 10 j 04:29	8° Π 11'33		max. Earth dist.	-7181 Aug 23 j 04:38	7° Θ 07'00 19.69398 AU
				morning rise	-7181 Sep 07 j 18:57	8° Θ 05'08
conjunction	-7187 Jul 26 j 03:55	9° Π 11'52	0°41'12	retrograde	-7181 Dec 08 j 06:08	11° Θ 23'34
minimum elong	-7187 Jul 26 j 03:55	9° Π 11'52	0°41'38	opposition	-7180 Feb 21 j 19:51	9° Θ 22'43 1°02'07
max. Earth dist.	-7187 Jul 25 j 12:21	9° Π 09'24	19.39877 AU	min. Earth dist.	-7180 Feb 21 j 18:45	9° Θ 22'49 17.72556 AU
morning rise	-7187 Aug 10 j 23:30	10° Π 11'37		direct	-7180 May 09 j 03:59	7° Θ 19'28
retrograde	-7187 Nov 10 j 00:12	13° Π 32'44		evening set	-7180 Aug 11 j 05:25	10° Θ 41'47
opposition	-7186 Jan 23 j 07:31	11° Π 31'28	0°47'44			
min. Earth dist.	-7186 Jan 23 j 21:37	11° Π 29'58	17.41770 AU	conjunction	-7180 Aug 26 j 21:17	11° Θ 39'56 0°56'18
direct	-7186 Apr 10 j 12:35	9° Π 26'16		minimum elong	-7180 Aug 26 j 21:17	11° Θ 39'56 0°56'47
evening set	-7186 Jul 15 j 04:14	12° Π 55'13		max. Earth dist.	-7180 Aug 26 j 23:04	11° Θ 40'13 19.75781 AU
				morning rise	-7180 Sep 11 j 11:25	12° Θ 37'50
conjunction	-7186 Jul 31 j 02:17	13° Π 55'14	0°44'21	retrograde	-7180 Dec 12 j 02:06	15° Θ 55'45
minimum elong	-7186 Jul 31 j 02:17	13° Π 55'14	0°44'48	opposition	-7179 Feb 25 j 20:03	13° Θ 55'02 1°03'08
max. Earth dist.	-7186 Jul 30 j 12:14	13° Π 53'01	19.43727 AU	min. Earth dist.	-7179 Feb 25 j 16:05	13° Θ 55'27 17.79103 AU
morning rise	-7186 Aug 15 j 20:58	14° Π 54'45		direct	-7179 May 14 j 03:00	11° Θ 52'13
retrograde	-7186 Nov 14 j 23:27	18° Π 15'30		evening set	-7179 Aug 15 j 22:12	15° Θ 13'17
opposition	-7185 Jan 28 j 10:35	16° Π 14'17	0°51'04			
min. Earth dist.	-7185 Jan 28 j 21:32	16° Π 13'07	17.45822 AU	conjunction	-7179 Aug 31 j 13:29	16° Θ 11'09 0°57'04
direct	-7185 Apr 15 j 17:26	14° Π 09'21		minimum elong	-7179 Aug 31 j 13:28	16° Θ 11'09 0°57'33
evening set	-7185 Jul 20 j 02:48	17° Π 37'23		max. Earth dist.	-7179 Aug 31 j 18:52	16° Θ 11'59 19.82466 AU
				morning rise	-7179 Sep 16 j 02:59	17° Θ 08'46
conjunction	-7185 Aug 04 j 23:47	18° Π 37'06	0°47'11	retrograde	-7179 Dec 16 j 20:41	20° Θ 26'09
minimum elong	-7185 Aug 04 j 23:47	18° Π 37'06	0°47'39	opposition	-7178 Mar 02 j 19:37	18° Θ 25'37 1°03'46
max. Earth dist.	-7185 Aug 04 j 13:04	18° Π 35'25	19.47988 AU	min. Earth dist.	-7178 Mar 02 j 13:24	18° Θ 26'15 17.85900 AU
morning rise	-7185 Aug 20 j 17:20	19° Π 36'21		direct	-7178 May 19 j 01:35	16° Θ 23'17
retrograde	-7185 Nov 19 j 20:36	22° Π 56'42		evening set	-7178 Aug 20 j 14:16	19° Θ 43'03
opposition	-7184 Feb 02 j 13:30	20° Π 55'31	0°54'03			
min. Earth dist.	-7184 Feb 02 j 23:06	20° Π 54'30	17.50295 AU	conjunction	-7178 Sep 05 j 04:42	20° Θ 40'36 0°57'28
direct	-7184 Apr 19 j 21:13	18° Π 50'52		minimum elong	-7178 Sep 05 j 04:42	20° Θ 40'36 0°57'56
evening set	-7184 Jul 24 j 00:34	22° Π 17'52		max. Earth dist.	-7178 Sep 05 j 11:34	20° Θ 41'39 19.89370 AU
				morning rise	-7178 Sep 20 j 18:01	21° Θ 37'58
conjunction	-7184 Aug 08 j 20:15	23° Π 17'17	0°49'42	retrograde	-7178 Dec 21 j 15:22	24° Θ 54'50
minimum elong	-7184 Aug 08 j 20:15	23° Π 17'17	0°50'11	opposition	-7177 Mar 07 j 18:43	22° Θ 54'26 1°04'01
max. Earth dist.	-7184 Aug 08 j 11:09	23° Π 15'51	19.52684 AU	min. Earth dist.	-7177 Mar 07 j 10:12	22° Θ 55'19 17.92893 AU
morning rise	-7184 Aug 24 j 13:06	24° Π 16'16		direct	-7177 May 23 j 22:25	20° Θ 52'34
retrograde	-7184 Nov 23 j 18:10	27° Π 36'10		evening set	-7177 Aug 25 j 05:11	24° Θ 11'02
opposition	-7183 Feb 06 j 15:39	25° Π 35'01	0°56'39			
min. Earth dist.	-7183 Feb 06 j 21:55	25° Π 34'22	17.55212 AU	conjunction	-7177 Sep 09 j 19:13	25° Θ 08'17 0°57'32
direct	-7183 Apr 25 j 00:41	23° Π 30'39		minimum elong	-7177 Sep 09 j 19:13	25° Θ 08'17 0°58'00
evening set	-7183 Jul 28 j 21:11	26° Π 56'34		max. Earth dist.	-7177 Sep 10 j 05:21	25° Θ 09'51 19.96417 AU
				morning rise	-7177 Sep 25 j 08:08	26° Θ 05'23
conjunction	-7183 Aug 13 j 15:59	27° Π 55'41	0°51'52	retrograde	-7177 Dec 26 j 09:33	29° Θ 21'42
minimum elong	-7183 Aug 13 j 15:59	27° Π 55'40	0°52'21	opposition	-7176 Mar 11 j 17:06	27° Θ 21'29 1°03'51
max. Earth dist.	-7183 Aug 13 j 10:35	27° Π 54'50	19.57818 AU	min. Earth dist.	-7176 Mar 11 j 06:15	27° Θ 22'36 17.99970 AU
morning rise	-7183 Aug 29 j 07:50	28° Π 54'23		direct	-7176 May 27 j 20:02	25° Θ 20'05
	-7183 Sep 16 j 22:24	0° Θ		evening set	-7176 Aug 28 j 19:32	28° Θ 37'13
retrograde	-7183 Nov 28 j 14:10	2° Θ 13'48				
opposition	-7182 Feb 11 j 17:36	0° Θ 12'44	0°58'51	conjunction	-7176 Sep 13 j 08:56	29° Θ 34'10 0°57'15
min. Earth dist.	-7182 Feb 11 j 22:03	0° Θ 12'16	17.60564 AU	minimum elong	-7176 Sep 13 j 08:56	29° Θ 34'10 0°57'40

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Attention, astronomical year style is used: The year -7176 in astronomical counting style is the year 7177 BCE in historical counting style.

max. Earth dist.	-7176 Sep 13 j 20:18	29° Ω 35'54	20.03509 AU	morning rise	-7170 Oct 24 j 17:09	26° Ω 24'49	
	-7176 Sep 20 j 09:13	0° Ω		retrograde	-7169 Jan 25 j 19:09	29° Ω 37'06	
morning rise	-7176 Sep 28 j 21:50	0° Ω 31'02		min. Earth dist.	-7169 Apr 12 j 08:39	27° Ω 39'33	18.47444 AU
retrograde	-7176 Dec 30 j 02:33	3° Ω 46'48		opposition	-7169 Apr 13 j 07:11	27° Ω 37'17	0°52'53
opposition	-7175 Mar 16 j 14:37	1° Ω 46'42	1°03'19	direct	-7169 Jun 28 j 21:41	25° Ω 38'26	
min. Earth dist.	-7175 Mar 16 j 02:11	1° Ω 47'58	18.07073 AU	evening set	-7169 Sep 27 j 22:58	28° Ω 46'21	
	-7175 May 08 j 17:55	30° Ω					
direct	-7175 Jun 01 j 14:41	29° Ω 45'44		conjunction	-7169 Oct 13 j 11:48	29° Ω 41'34	0°46'30
	-7175 Jun 25 j 03:28	0° Ω		minimum elong	-7169 Oct 13 j 11:48	29° Ω 41'34	0°46'47
evening set	-7175 Sep 02 j 08:52	3° Ω 01'32		max. Earth dist.	-7169 Oct 14 j 12:16	29° Ω 45'13	20.50591 AU
					-7169 Oct 18 j 15:22	0° Ω	
conjunction	-7175 Sep 17 j 22:02	3° Ω 58'12	0°56'37	morning rise	-7169 Oct 29 j 02:03	0° Ω 36'59	
minimum elong	-7175 Sep 17 j 22:02	3° Ω 58'13	0°57'03	retrograde	-7168 Jan 30 j 07:44	3° Ω 48'43	
max. Earth dist.	-7175 Sep 18 j 12:06	4° Ω 00'22	20.10586 AU	opposition	-7168 Apr 16 j 22:48	1° Ω 48'56	0°50'07
morning rise	-7175 Oct 03 j 10:43	4° Ω 54'50		min. Earth dist.	-7168 Apr 15 j 21:40	1° Ω 51'27	18.53768 AU
retrograde	-7174 Jan 03 j 20:04	8° Ω 10'01			-7168 Jun 12 j 21:21	30° Ω	
opposition	-7174 Mar 21 j 11:28	6° Ω 10'02	1°02'24	direct	-7168 Jul 02 j 12:45	29° Ω 50'24	
min. Earth dist.	-7174 Mar 20 j 20:41	6° Ω 11'33	18.14106 AU		-7168 Jul 21 j 17:42	0° Ω	
direct	-7174 Jun 06 j 11:10	4° Ω 09'30		evening set	-7168 Oct 01 j 06:47	2° Ω 57'08	
evening set	-7174 Sep 06 j 21:23	7° Ω 23'58					
				conjunction	-7168 Oct 16 j 19:46	3° Ω 52'09	0°43'55
conjunction	-7174 Sep 22 j 10:07	8° Ω 20'21	0°55'39	minimum elong	-7168 Oct 16 j 19:46	3° Ω 52'09	0°44'11
minimum elong	-7174 Sep 22 j 10:07	8° Ω 20'21	0°56'04	max. Earth dist.	-7168 Oct 17 j 21:29	3° Ω 55'58	20.56851 AU
max. Earth dist.	-7174 Sep 23 j 01:21	8° Ω 22'41	20.17568 AU	morning rise	-7168 Nov 01 j 10:35	4° Ω 47'25	
morning rise	-7174 Oct 07 j 22:57	9° Ω 16'45		retrograde	-7167 Feb 02 j 18:39	7° Ω 58'37	
retrograde	-7173 Jan 08 j 11:17	12° Ω 31'23		opposition	-7167 Apr 21 j 13:35	5° Ω 58'53	0°47'07
opposition	-7173 Mar 26 j 07:41	10° Ω 31'28	1°01'08	min. Earth dist.	-7167 Apr 20 j 12:03	6° Ω 01'27	18.59977 AU
min. Earth dist.	-7173 Mar 25 j 15:43	10° Ω 33'06	18.21041 AU	direct	-7167 Jul 07 j 00:01	4° Ω 00'41	
direct	-7173 Jun 11 j 04:20	8° Ω 31'20		evening set	-7167 Oct 05 j 13:51	7° Ω 06'17	
evening set	-7173 Sep 11 j 08:58	11° Ω 44'26					
				conjunction	-7167 Oct 21 j 03:14	8° Ω 01'08	0°41'07
conjunction	-7173 Sep 26 j 21:40	12° Ω 40'34	0°54'23	minimum elong	-7167 Oct 21 j 03:14	8° Ω 01'08	0°41'21
minimum elong	-7173 Sep 26 j 21:40	12° Ω 40'34	0°54'47	max. Earth dist.	-7167 Oct 22 j 06:36	8° Ω 05'11	20.62995 AU
max. Earth dist.	-7173 Sep 27 j 15:19	12° Ω 43'15	20.24438 AU	morning rise	-7167 Nov 05 j 18:34	8° Ω 56'15	
morning rise	-7173 Oct 12 j 10:32	13° Ω 36'45		retrograde	-7166 Feb 07 j 06:20	12° Ω 06'58	
	-7173 Nov 06 j 11:11	15° Ω		min. Earth dist.	-7166 Apr 24 j 23:41	10° Ω 10'06	18.66036 AU
retrograde	-7172 Jan 13 j 03:25	16° Ω 50'47		opposition	-7166 Apr 26 j 03:36	10° Ω 07'18	0°43'53
	-7172 Mar 26 j 09:21	15° Ω		direct	-7166 Jul 11 j 12:41	8° Ω 09'26	
min. Earth dist.	-7172 Mar 29 j 08:26	14° Ω 52'47	18.27835 AU	evening set	-7166 Oct 09 j 20:22	11° Ω 13'58	
opposition	-7172 Mar 30 j 02:48	14° Ω 50'55	0°59'32				
direct	-7172 Jun 14 j 23:35	12° Ω 51'08		conjunction	-7166 Oct 25 j 10:04	12° Ω 08'39	0°38'08
	-7172 Aug 27 j 05:37	15° Ω		minimum elong	-7166 Oct 25 j 10:04	12° Ω 08'39	0°38'20
evening set	-7172 Sep 14 j 19:46	16° Ω 02'54		max. Earth dist.	-7166 Oct 26 j 14:37	12° Ω 12'51	20.68956 AU
				morning rise	-7166 Nov 10 j 02:08	13° Ω 03'39	
conjunction	-7172 Sep 30 j 08:17	16° Ω 58'47	0°52'49	retrograde	-7165 Feb 11 j 16:28	16° Ω 13'55	
minimum elong	-7172 Sep 30 j 08:17	16° Ω 58'47	0°53'12	opposition	-7165 Apr 30 j 17:07	14° Ω 14'19	0°40'27
max. Earth dist.	-7172 Oct 01 j 03:05	17° Ω 01'38	20.31157 AU	min. Earth dist.	-7165 Apr 29 j 13:11	14° Ω 17'07	18.71897 AU
morning rise	-7172 Oct 15 j 21:30	17° Ω 54'45		direct	-7165 Jul 15 j 22:09	12° Ω 16'47	
retrograde	-7171 Jan 16 j 16:56	21° Ω 08'12		evening set	-7165 Oct 14 j 02:30	15° Ω 20'19	
opposition	-7171 Apr 03 j 21:11	19° Ω 08'22	0°57'37				
min. Earth dist.	-7171 Apr 03 j 01:59	19° Ω 10'18	18.34493 AU	conjunction	-7165 Oct 29 j 16:45	16° Ω 14'51	0°34'57
direct	-7171 Jun 19 j 14:47	17° Ω 08'54		minimum elong	-7165 Oct 29 j 16:45	16° Ω 14'51	0°35'08
evening set	-7171 Sep 19 j 05:34	20° Ω 19'21		max. Earth dist.	-7165 Oct 30 j 22:30	16° Ω 19'13	20.74700 AU
				morning rise	-7165 Nov 14 j 09:29	17° Ω 09'44	
conjunction	-7171 Oct 04 j 18:10	21° Ω 14'59	0°50'58	retrograde	-7164 Feb 16 j 03:41	20° Ω 19'34	
minimum elong	-7171 Oct 04 j 18:10	21° Ω 14'59	0°51'18	min. Earth dist.	-7164 May 02 j 23:48	18° Ω 23'02	18.77498 AU
max. Earth dist.	-7171 Oct 05 j 15:12	21° Ω 18'09	20.37747 AU	opposition	-7164 May 04 j 05:34	18° Ω 20'04	0°36'49
morning rise	-7171 Oct 20 j 07:34	22° Ω 10'46		direct	-7164 Jul 19 j 09:07	16° Ω 22'50	
retrograde	-7170 Jan 21 j 06:56	25° Ω 23'37		evening set	-7164 Oct 17 j 08:21	19° Ω 25'25	
opposition	-7170 Apr 08 j 14:31	23° Ω 23'47	0°55'23				
min. Earth dist.	-7170 Apr 07 j 16:44	23° Ω 26'00	18.41016 AU	conjunction	-7164 Nov 01 j 23:03	20° Ω 19'50	0°31'36
direct	-7170 Jun 24 j 08:28	21° Ω 24'39		minimum elong	-7164 Nov 01 j 23:03	20° Ω 19'50	0°31'44
evening set	-7170 Sep 23 j 14:44	24° Ω 33'48		max. Earth dist.	-7164 Nov 03 j 05:32	20° Ω 24'17	20.80137 AU
				morning rise	-7164 Nov 17 j 16:35	21° Ω 14'38	
conjunction	-7170 Oct 09 j 03:17	25° Ω 29'13	0°48'51	retrograde	-7163 Feb 19 j 12:54	24° Ω 24'04	
minimum elong	-7170 Oct 09 j 03:18	25° Ω 29'13	0°49'11	opposition	-7163 May 08 j 17:37	22° Ω 24'38	0°33'01
max. Earth dist.	-7170 Oct 10 j 01:42	25° Ω 32'35	20.44212 AU	min. Earth dist.	-7163 May 07 j 12:22	22° Ω 27'34	18.82770 AU

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Attention, astronomical year style is used: The year -7163 in astronomical counting style is the year 7164 BCE in historical counting style.

direct	-7163 Jul 23 j 17:03	20° <u>♏</u> 27'42		direct	-7157 Aug 17 j 13:48	14° <u>♏</u> 34'43	
evening set	-7163 Oct 21 j 13:43	23° <u>♏</u> 29'24		evening set	-7157 Nov 14 j 17:46	17° <u>♏</u> 32'24	
conjunction	-7163 Nov 06 j 05:02	24° <u>♏</u> 23'42	0°28'07	conjunction	-7157 Nov 30 j 13:43	18° <u>♏</u> 26'24	0°05'16
minimum elong	-7163 Nov 06 j 05:02	24° <u>♏</u> 23'42	0°28'13	minimum elong	-7157 Nov 30 j 13:43	18° <u>♏</u> 26'24	0°05'09
max. Earth dist.	-7163 Nov 07 j 12:13	24° <u>♏</u> 28'14	20.85224 AU	behind sun begin	-7157 Nov 30 j 07:20	18° <u>♏</u> 25'31	
morning rise	-7163 Nov 21 j 23:19	25° <u>♏</u> 18'25		behind sun end	-7157 Nov 30 j 20:07	18° <u>♏</u> 27'18	
retrograde	-7162 Feb 23 j 23:49	28° <u>♏</u> 27'28		max. Earth dist.	-7157 Dec 01 j 20:51	18° <u>♏</u> 30'52	21.05831 AU
min. Earth dist.	-7162 May 11 j 22:15	26° <u>♏</u> 31'10	18.87652 AU	morning rise	-7157 Dec 16 j 13:40	19° <u>♏</u> 20'58	
opposition	-7162 May 13 j 04:54	26° <u>♏</u> 28'06	0°29'04	retrograde	-7156 Mar 20 j 03:21	22° <u>♏</u> 28'14	
direct	-7162 Jul 28 j 02:52	24° <u>♏</u> 31'26		min. Earth dist.	-7156 Jun 05 j 06:22	20° <u>♏</u> 31'40	19.06835 AU
evening set	-7162 Oct 25 j 19:00	27° <u>♏</u> 32'19		opposition	-7156 Jun 06 j 11:53	20° <u>♏</u> 28'42	0°03'29
				direct	-7156 Aug 20 j 19:43	18° <u>♏</u> 32'42	
conjunction	-7162 Nov 10 j 10:54	28° <u>♏</u> 26'31	0°24'30	evening set	-7156 Nov 17 j 21:58	21° <u>♏</u> 29'59	
minimum elong	-7162 Nov 10 j 10:54	28° <u>♏</u> 26'31	0°24'34				
max. Earth dist.	-7162 Nov 11 j 18:25	28° <u>♏</u> 31'06	20.89880 AU	conjunction	-7156 Dec 03 j 18:45	22° <u>♏</u> 24'00	0°01'17
morning rise	-7162 Nov 26 j 06:04	29° <u>♏</u> 21'11		minimum elong	-7156 Dec 03 j 18:46	22° <u>♏</u> 24'00	0°01'09
	-7162 Dec 07 j 22:56	0° <u>♏</u>		behind sun begin	-7156 Dec 03 j 12:10	22° <u>♏</u> 23'05	
retrograde	-7161 Feb 28 j 08:11	2° <u>♏</u> 29'53		behind sun end	-7156 Dec 04 j 01:21	22° <u>♏</u> 24'55	
min. Earth dist.	-7161 May 16 j 09:59	0° <u>♏</u> 33'31	18.92085 AU	max. Earth dist.	-7156 Dec 05 j 01:46	22° <u>♏</u> 28'26	21.07651 AU
opposition	-7161 May 17 j 15:42	0° <u>♏</u> 30'33	0°24'59	morning rise	-7156 Dec 19 j 19:43	23° <u>♏</u> 18'36	
	-7161 May 30 j 12:41	30° <u>♏</u>		retrograde	-7155 Mar 24 j 09:39	26° <u>♏</u> 25'40	
direct	-7161 Aug 01 j 09:55	28° <u>♏</u> 34'05		desc. node	-7155 Mar 30 j 06:40	26° <u>♏</u> 24'52	
	-7161 Sep 29 j 15:21	0° <u>♏</u>		opposition	-7155 Jun 10 j 19:11	24° <u>♏</u> 26'06	-0°00'53
evening set	-7161 Oct 29 j 23:58	1° <u>♏</u> 34'13		min. Earth dist.	-7155 Jun 09 j 14:55	24° <u>♏</u> 28'56	19.08468 AU
				direct	-7155 Aug 25 j 00:17	22° <u>♏</u> 30'08	
conjunction	-7161 Nov 14 j 16:38	2° <u>♏</u> 28'20	0°20'47	evening set	-7155 Nov 22 j 01:57	25° <u>♏</u> 27'05	
minimum elong	-7161 Nov 14 j 16:39	2° <u>♏</u> 28'21	0°20'49				
max. Earth dist.	-7161 Nov 16 j 00:15	2° <u>♏</u> 32'55	20.94075 AU	conjunction	-7155 Dec 07 j 23:42	26° <u>♏</u> 21'07	-0°02'47
morning rise	-7161 Nov 30 j 12:41	3° <u>♏</u> 22'57		minimum elong	-7155 Dec 07 j 23:43	26° <u>♏</u> 21'07	0°02'58
retrograde	-7160 Mar 03 j 18:35	6° <u>♏</u> 31'19		behind sun begin	-7155 Dec 07 j 17:08	26° <u>♏</u> 20'13	
min. Earth dist.	-7160 May 19 j 19:04	4° <u>♏</u> 35'04	18.96022 AU	behind sun end	-7155 Dec 08 j 06:17	26° <u>♏</u> 22'02	
opposition	-7160 May 21 j 01:43	4° <u>♏</u> 32'00	0°20'48	max. Earth dist.	-7155 Dec 09 j 06:20	26° <u>♏</u> 25'29	21.09106 AU
direct	-7160 Aug 04 j 18:29	2° <u>♏</u> 35'42		morning rise	-7155 Dec 24 j 01:40	27° <u>♏</u> 15'45	
evening set	-7160 Nov 02 j 04:48	5° <u>♏</u> 35'08			-7154 Feb 25 j 22:04	0° <u>♏</u>	
				retrograde	-7154 Mar 28 j 19:03	0° <u>♏</u> 22'43	
conjunction	-7160 Nov 17 j 22:09	6° <u>♏</u> 29'12	0°16'58		-7154 Apr 29 j 02:17	30° <u>♏</u>	
minimum elong	-7160 Nov 17 j 22:09	6° <u>♏</u> 29'12	0°16'58	min. Earth dist.	-7154 Jun 13 j 21:12	28° <u>♏</u> 25'59	19.09736 AU
max. Earth dist.	-7160 Nov 19 j 05:43	6° <u>♏</u> 33'45	20.97744 AU	opposition	-7154 Jun 15 j 01:59	28° <u>♏</u> 23'06	-0°05'15
morning rise	-7160 Dec 03 j 19:08	7° <u>♏</u> 23'47		direct	-7154 Aug 29 j 05:37	26° <u>♏</u> 27'09	
retrograde	-7159 Mar 08 j 01:59	10° <u>♏</u> 31'49		evening set	-7154 Nov 26 j 06:14	29° <u>♏</u> 23'52	
min. Earth dist.	-7159 May 24 j 05:45	8° <u>♏</u> 35'25	18.99436 AU		-7154 Dec 06 j 22:46	0° <u>♏</u>	
opposition	-7159 May 25 j 11:11	8° <u>♏</u> 32'29	0°16'33				
direct	-7159 Aug 09 j 00:55	6° <u>♏</u> 36'19		conjunction	-7154 Dec 12 j 04:56	0° <u>♏</u> 17'58	-0°06'43
evening set	-7159 Nov 06 j 09:16	9° <u>♏</u> 35'06		minimum elong	-7154 Dec 12 j 04:55	0° <u>♏</u> 17'57	0°06'54
				behind sun begin	-7154 Dec 11 j 22:46	0° <u>♏</u> 17'06	
conjunction	-7159 Nov 22 j 03:30	10° <u>♏</u> 29'07	0°13'06	behind sun end	-7154 Dec 12 j 11:04	0° <u>♏</u> 18'49	
minimum elong	-7159 Nov 22 j 03:30	10° <u>♏</u> 29'07	0°13'04	max. Earth dist.	-7154 Dec 13 j 11:16	0° <u>♏</u> 22'16	21.10181 AU
behind sun begin	-7159 Nov 21 j 23:30	10° <u>♏</u> 28'34		morning rise	-7154 Dec 28 j 07:56	1° <u>♏</u> 12'39	
behind sun end	-7159 Nov 22 j 07:30	10° <u>♏</u> 29'41		retrograde	-7153 Apr 02 j 01:16	4° <u>♏</u> 19'32	
max. Earth dist.	-7159 Nov 23 j 10:54	10° <u>♏</u> 33'38	21.00915 AU	min. Earth dist.	-7153 Jun 18 j 05:10	2° <u>♏</u> 22'38	19.10627 AU
morning rise	-7159 Dec 08 j 01:25	11° <u>♏</u> 23'41		opposition	-7153 Jun 19 j 08:27	2° <u>♏</u> 19'53	-0°09'35
retrograde	-7158 Mar 12 j 11:29	14° <u>♏</u> 31'26		direct	-7153 Sep 02 j 08:56	0° <u>♏</u> 23'59	
opposition	-7158 May 29 j 20:01	12° <u>♏</u> 32'02	0°12'13	evening set	-7153 Nov 30 j 10:37	3° <u>♏</u> 20'33	
min. Earth dist.	-7158 May 28 j 13:49	12° <u>♏</u> 35'04	19.02355 AU				
direct	-7158 Aug 13 j 08:06	10° <u>♏</u> 35'57		conjunction	-7153 Dec 16 j 10:22	4° <u>♏</u> 14'42	-0°10'36
evening set	-7158 Nov 10 j 13:33	13° <u>♏</u> 34'09		minimum elong	-7153 Dec 16 j 10:21	4° <u>♏</u> 14'42	0°10'49
				behind sun begin	-7153 Dec 16 j 05:18	4° <u>♏</u> 14'00	
conjunction	-7158 Nov 26 j 08:34	14° <u>♏</u> 28'09	0°09'11	behind sun end	-7153 Dec 16 j 15:25	4° <u>♏</u> 15'24	
minimum elong	-7158 Nov 26 j 08:34	14° <u>♏</u> 28'09	0°09'07	max. Earth dist.	-7153 Dec 17 j 15:55	4° <u>♏</u> 18'54	21.10893 AU
behind sun begin	-7158 Nov 26 j 02:58	14° <u>♏</u> 27'22		morning rise	-7152 Jan 01 j 14:25	5° <u>♏</u> 09'28	
behind sun end	-7158 Nov 26 j 14:10	14° <u>♏</u> 28'56		retrograde	-7152 Apr 05 j 10:54	8° <u>♏</u> 16'18	
max. Earth dist.	-7158 Nov 27 j 15:59	14° <u>♏</u> 32'40	21.03591 AU	min. Earth dist.	-7152 Jun 21 j 11:12	6° <u>♏</u> 19'25	19.11136 AU
morning rise	-7158 Dec 12 j 07:31	15° <u>♏</u> 22'43		opposition	-7152 Jun 22 j 14:34	6° <u>♏</u> 16'40	-0°13'53
retrograde	-7157 Mar 16 j 18:17	18° <u>♏</u> 30'12		direct	-7152 Sep 05 j 14:12	4° <u>♏</u> 20'46	
min. Earth dist.	-7157 Jun 01 j 23:27	16° <u>♏</u> 33'39	19.04805 AU	evening set	-7152 Dec 03 j 15:15	7° <u>♏</u> 17'16	
opposition	-7157 Jun 03 j 04:23	16° <u>♏</u> 30'45	0°07'52				

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Attention, astronomical year style is used: The year -7152 in astronomical counting style is the year 7153 BCE in historical counting style.

conjunction	-7152 Dec 19 j 15:56	8° \mathbb{M} .11'31	-0°14'27	conjunction	-7145 Jan 13 j 10:51	2° \mathbb{Z} '00'36	-0°35'39
minimum elong	-7152 Dec 19 j 15:55	8° \mathbb{M} .11'31	0°14'43	minimum elong	-7145 Jan 13 j 10:51	2° \mathbb{Z} '00'36	0°36'03
behind sun begin	-7152 Dec 19 j 13:13	8° \mathbb{M} .11'08		max. Earth dist.	-7145 Jan 14 j 06:29	2° \mathbb{Z} '03'23	21.02655 AU
behind sun end	-7152 Dec 19 j 18:38	8° \mathbb{M} .11'53		morning rise	-7145 Jan 29 j 21:55	2° \mathbb{Z} '56'16	
max. Earth dist.	-7152 Dec 20 j 20:54	8° \mathbb{M} .15'37	21.11188 AU	retrograde	-7145 May 04 j 20:37	6° \mathbb{Z} '03'50	
morning rise	-7151 Jan 04 j 21:00	9° \mathbb{M} .06'22		opposition	-7145 Jul 21 j 06:34	4° \mathbb{Z} '03'54	-0°41'10
retrograde	-7151 Apr 09 j 17:31	12° \mathbb{M} .13'13		min. Earth dist.	-7145 Jul 20 j 14:25	4° \mathbb{Z} '05'33	19.01084 AU
opposition	-7151 Jun 26 j 20:33	10° \mathbb{M} .13'35	-0°18'07	direct	-7145 Oct 03 j 20:39	2° \mathbb{Z} '07'13	
min. Earth dist.	-7151 Jun 25 j 18:58	10° \mathbb{M} .16'10	19.11221 AU	evening set	-7144 Jan 01 j 11:43	5° \mathbb{Z} '05'24	
direct	-7151 Sep 09 j 16:50	8° \mathbb{M} .17'42					
evening set	-7151 Dec 07 j 20:13	11° \mathbb{M} .14'14		conjunction	-7144 Jan 17 j 19:43	6° \mathbb{Z} '00'39	-0°38'41
				minimum elong	-7144 Jan 17 j 19:43	6° \mathbb{Z} '00'39	0°39'07
conjunction	-7151 Dec 23 j 21:56	12° \mathbb{M} .08'33	-0°18'14	max. Earth dist.	-7144 Jan 18 j 13:01	6° \mathbb{Z} '03'07	20.99353 AU
minimum elong	-7151 Dec 23 j 21:56	12° \mathbb{M} .08'33	0°18'31	morning rise	-7144 Feb 03 j 07:46	6° \mathbb{Z} '56'29	
max. Earth dist.	-7151 Dec 25 j 01:45	12° \mathbb{M} .12'30	21.11070 AU	retrograde	-7144 May 08 j 06:05	10° \mathbb{Z} '04'15	
morning rise	-7150 Jan 09 j 04:03	13° \mathbb{M} .03'31		opposition	-7144 Jul 24 j 12:10	8° \mathbb{Z} '04'10	-0°44'27
	-7150 Feb 17 j 18:17	15° \mathbb{M} .		min. Earth dist.	-7144 Jul 23 j 21:10	8° \mathbb{Z} '05'42	18.97545 AU
retrograde	-7150 Apr 14 j 02:55	16° \mathbb{M} .10'25		direct	-7144 Oct 07 j 02:12	6° \mathbb{Z} '07'12	
	-7150 Jun 10 j 03:48	15° \mathbb{R} \mathbb{M} .		evening set	-7143 Jan 04 j 19:57	9° \mathbb{Z} '05'54	
min. Earth dist.	-7150 Jun 30 j 01:07	14° \mathbb{M} .13'20	19.10870 AU				
opposition	-7150 Jul 01 j 02:18	14° \mathbb{M} .10'47	-0°22'16	conjunction	-7143 Jan 21 j 04:57	10° \mathbb{Z} '01'21	-0°41'33
direct	-7150 Sep 13 j 22:14	12° \mathbb{M} .14'53		minimum elong	-7143 Jan 21 j 04:56	10° \mathbb{Z} '01'21	0°41'59
	-7150 Dec 08 j 13:45	15° \mathbb{M} .		max. Earth dist.	-7143 Jan 21 j 20:44	10° \mathbb{Z} '03'36	20.95589 AU
evening set	-7150 Dec 12 j 01:35	15° \mathbb{M} .11'31		morning rise	-7143 Feb 06 j 17:48	10° \mathbb{Z} '57'22	
				retrograde	-7143 May 12 j 14:08	14° \mathbb{Z} '05'22	
conjunction	-7150 Dec 28 j 04:20	16° \mathbb{M} .05'58	-0°21'57	opposition	-7143 Jul 28 j 17:55	12° \mathbb{Z} '05'09	-0°47'30
minimum elong	-7150 Dec 28 j 04:20	16° \mathbb{M} .05'58	0°22'16	min. Earth dist.	-7143 Jul 28 j 05:14	12° \mathbb{Z} '06'27	18.93581 AU
max. Earth dist.	-7150 Dec 29 j 07:07	16° \mathbb{M} .09'46	21.10470 AU	direct	-7143 Oct 11 j 07:08	10° \mathbb{Z} '07'53	
morning rise	-7149 Jan 13 j 11:29	17° \mathbb{M} .01'03		evening set	-7142 Jan 09 j 04:48	13° \mathbb{Z} '07'10	
retrograde	-7149 Apr 18 j 10:28	20° \mathbb{M} .08'02					
min. Earth dist.	-7149 Jul 04 j 09:07	18° \mathbb{M} .10'44	19.10017 AU	conjunction	-7142 Jan 25 j 14:49	14° \mathbb{Z} '02'50	-0°44'13
opposition	-7149 Jul 05 j 08:05	18° \mathbb{M} .08'24	-0°26'19	minimum elong	-7142 Jan 25 j 14:48	14° \mathbb{Z} '02'50	0°44'41
direct	-7149 Sep 18 j 01:21	16° \mathbb{M} .12'27		max. Earth dist.	-7142 Jan 26 j 04:17	14° \mathbb{Z} '04'45	20.91455 AU
evening set	-7149 Dec 16 j 07:31	19° \mathbb{M} .09'16		morning rise	-7142 Feb 11 j 04:35	14° \mathbb{Z} '59'02	
				retrograde	-7142 May 17 j 00:36	18° \mathbb{Z} '07'19	
conjunction	-7148 Jan 01 j 11:20	20° \mathbb{M} .03'51	-0°25'34	opposition	-7142 Aug 01 j 23:40	16° \mathbb{Z} '06'57	-0°50'21
minimum elong	-7148 Jan 01 j 11:19	20° \mathbb{M} .03'50	0°25'54	min. Earth dist.	-7142 Aug 01 j 12:09	16° \mathbb{Z} '08'08	18.89277 AU
max. Earth dist.	-7148 Jan 02 j 12:18	20° \mathbb{M} .07'23	21.09362 AU	direct	-7142 Oct 15 j 13:23	14° \mathbb{Z} '09'22	
morning rise	-7148 Jan 17 j 19:28	20° \mathbb{M} .59'03		evening set	-7141 Jan 13 j 14:20	17° \mathbb{Z} '09'20	
retrograde	-7148 Apr 21 j 19:41	24° \mathbb{M} .06'09					
opposition	-7148 Jul 08 j 13:36	22° \mathbb{M} .06'29	-0°30'16	conjunction	-7141 Jan 30 j 01:22	18° \mathbb{Z} '05'14	-0°46'41
min. Earth dist.	-7148 Jul 07 j 15:30	22° \mathbb{M} .08'44	19.08632 AU	minimum elong	-7141 Jan 30 j 01:22	18° \mathbb{Z} '05'14	0°47'08
direct	-7148 Sep 21 j 06:28	20° \mathbb{M} .10'25		max. Earth dist.	-7141 Jan 30 j 13:22	18° \mathbb{Z} '06'56	20.86983 AU
evening set	-7148 Dec 19 j 13:55	23° \mathbb{M} .07'30		morning rise	-7141 Feb 15 j 15:54	19° \mathbb{Z} '01'38	
				retrograde	-7141 May 21 j 09:14	22° \mathbb{Z} '10'14	
conjunction	-7147 Jan 04 j 18:43	24° \mathbb{M} .02'13	-0°29'04	opposition	-7141 Aug 06 j 05:46	20° \mathbb{Z} '09'45	-0°52'58
minimum elong	-7147 Jan 04 j 18:43	24° \mathbb{M} .02'13	0°29'26	min. Earth dist.	-7141 Aug 05 j 20:31	20° \mathbb{Z} '10'42	18.84656 AU
max. Earth dist.	-7147 Jan 05 j 18:11	24° \mathbb{M} .05'33	21.07687 AU	direct	-7141 Oct 19 j 18:21	18° \mathbb{Z} '11'52	
morning rise	-7147 Jan 21 j 03:50	24° \mathbb{M} .57'34		evening set	-7140 Jan 18 j 00:36	21° \mathbb{Z} '12'35	
retrograde	-7147 Apr 26 j 03:33	28° \mathbb{M} .04'48					
opposition	-7147 Jul 12 j 19:20	26° \mathbb{M} .05'05	-0°34'04	conjunction	-7140 Feb 03 j 12:33	22° \mathbb{Z} '08'43	-0°48'55
min. Earth dist.	-7147 Jul 11 j 23:37	26° \mathbb{M} .07'06	19.06672 AU	minimum elong	-7140 Feb 03 j 12:32	22° \mathbb{Z} '08'43	0°49'23
direct	-7147 Sep 25 j 10:37	24° \mathbb{M} .08'53		max. Earth dist.	-7140 Feb 03 j 22:01	22° \mathbb{Z} '10'04	20.82233 AU
evening set	-7147 Dec 23 j 20:34	27° \mathbb{M} .06'15		morning rise	-7140 Feb 20 j 03:54	23° \mathbb{Z} '05'20	
				retrograde	-7140 May 24 j 20:48	26° \mathbb{Z} '14'18	
conjunction	-7146 Jan 09 j 02:27	28° \mathbb{M} .01'08	-0°32'26	opposition	-7140 Aug 09 j 11:59	24° \mathbb{Z} '13'43	-0°55'19
minimum elong	-7146 Jan 09 j 02:27	28° \mathbb{M} .01'08	0°32'48	min. Earth dist.	-7140 Aug 09 j 04:01	24° \mathbb{Z} '14'33	18.79776 AU
max. Earth dist.	-7146 Jan 09 j 23:46	28° \mathbb{M} .04'10	21.05456 AU	direct	-7140 Oct 23 j 01:31	22° \mathbb{Z} '15'31	
morning rise	-7146 Jan 25 j 12:35	28° \mathbb{M} .56'38		evening set	-7139 Jan 21 j 11:32	25° \mathbb{Z} '17'06	
	-7146 Feb 14 j 12:28	0° \mathbb{Z} '					
retrograde	-7146 Apr 30 j 12:45	2° \mathbb{Z} '04'02		conjunction	-7139 Feb 07 j 00:27	26° \mathbb{Z} '13'29	-0°50'55
min. Earth dist.	-7146 Jul 16 j 06:20	0° \mathbb{Z} '06'07	19.04151 AU	minimum elong	-7139 Feb 07 j 00:27	26° \mathbb{Z} '13'29	0°51'24
opposition	-7146 Jul 17 j 00:59	0° \mathbb{Z} '04'13	-0°37'42	max. Earth dist.	-7139 Feb 07 j 08:29	26° \mathbb{Z} '14'38	20.77221 AU
	-7146 Jul 18 j 18:25	30° \mathbb{R} \mathbb{M} .		morning rise	-7139 Feb 23 j 16:25	27° \mathbb{Z} '10'19	
direct	-7146 Sep 29 j 15:43	28° \mathbb{M} .07'48			-7139 May 01 j 01:29	0° \mathbb{Z} '	
	-7146 Dec 07 j 09:14	0° \mathbb{Z} '		retrograde	-7139 May 29 j 06:21	0° \mathbb{Z} '19'42	
evening set	-7146 Dec 28 j 03:54	1° \mathbb{Z} '05'32			-7139 Jun 26 j 16:28	30° \mathbb{R} ' \mathbb{Z} '	

Attention, astronomical year style is used: The year -7139 in astronomical counting style is the year 7140 BCE in historical counting style.

opposition	-7139 Aug 13 j 18:42	28° ♁ 19'03	-0°57'25	minimum elong	-7132 Mar 09 j 11:42	25° ♁ 33'44	0°57'47
min. Earth dist.	-7139 Aug 13 j 12:57	28° ♁ 19'39	18.74646 AU	max. Earth dist.	-7132 Mar 09 j 01:09	25° ♁ 32'11	20.35053 AU
direct	-7139 Oct 27 j 07:13	26° ♁ 20'33		morning rise	-7132 Mar 26 j 07:09	26° ♁ 32'18	
evening set	-7138 Jan 25 j 23:11	29° ♁ 23'03		retrograde	-7132 Jun 28 j 04:23	29° ♁ 45'15	
	-7138 Feb 05 j 19:50	0° ♁		opposition	-7132 Sep 11 j 07:28	27° ♁ 44'08	-1°03'30
				min. Earth dist.	-7132 Sep 11 j 16:37	27° ♁ 43'10	18.31559 AU
conjunction	-7138 Feb 11 j 12:59	0° ♁ 19'42	-0°52'41	direct	-7132 Nov 25 j 01:10	25° ♁ 43'07	
minimum elong	-7138 Feb 11 j 12:59	0° ♁ 19'42	0°53'10	evening set	-7131 Feb 25 j 11:43	28° ♁ 53'41	
max. Earth dist.	-7138 Feb 11 j 18:18	0° ♁ 20'27	20.71988 AU				
morning rise	-7138 Feb 28 j 05:46	1° ♁ 16'46		conjunction	-7131 Mar 14 j 06:34	29° ♁ 52'21	-0°57'01
retrograde	-7138 Jun 02 j 18:53	4° ♁ 26'36		minimum elong	-7131 Mar 14 j 06:34	29° ♁ 52'21	0°57'27
opposition	-7138 Aug 18 j 01:47	2° ♁ 25'54	-0°59'14	max. Earth dist.	-7131 Mar 13 j 18:31	29° ♁ 50'35	20.27994 AU
min. Earth dist.	-7138 Aug 17 j 21:31	2° ♁ 26'20	18.69292 AU		-7131 Mar 16 j 10:40	0° ♁	
direct	-7138 Oct 31 j 15:12	0° ♁ 27'06		morning rise	-7131 Mar 31 j 02:03	0° ♁ 51'10	
evening set	-7137 Jan 30 j 11:53	3° ♁ 30'36		retrograde	-7131 Jul 02 j 19:48	4° ♁ 04'39	
				opposition	-7131 Sep 15 j 18:29	2° ♁ 03'23	-1°02'59
conjunction	-7137 Feb 16 j 02:37	4° ♁ 27'32	-0°54'11	min. Earth dist.	-7131 Sep 16 j 05:40	2° ♁ 02'12	18.24424 AU
minimum elong	-7137 Feb 16 j 02:37	4° ♁ 27'32	0°54'40	direct	-7131 Nov 29 j 13:10	0° ♁ 01'54	
max. Earth dist.	-7137 Feb 16 j 06:21	4° ♁ 28'04	20.66507 AU	evening set	-7130 Mar 02 j 06:51	3° ♁ 13'43	
morning rise	-7137 Mar 04 j 19:54	5° ♁ 24'51		max. Earth dist.	-7130 Mar 18 j 10:22	4° ♁ 10'23	20.20812 AU
retrograde	-7137 Jun 07 j 06:01	8° ♁ 35'09					
opposition	-7137 Aug 22 j 09:14	6° ♁ 34'25	-1°00'46	conjunction	-7130 Mar 19 j 02:01	4° ♁ 12'41	-0°56'22
min. Earth dist.	-7137 Aug 22 j 07:23	6° ♁ 34'36	18.63686 AU	minimum elong	-7130 Mar 19 j 02:01	4° ♁ 12'41	0°56'49
direct	-7137 Nov 04 j 22:24	4° ♁ 35'20		morning rise	-7130 Apr 04 j 21:49	5° ♁ 11'46	
evening set	-7136 Feb 04 j 01:34	7° ♁ 39'54		retrograde	-7130 Jul 07 j 12:25	8° ♁ 25'47	
				opposition	-7130 Sep 20 j 06:12	6° ♁ 24'21	-1°02'07
conjunction	-7136 Feb 20 j 17:01	8° ♁ 37'06	-0°55'25	min. Earth dist.	-7130 Sep 20 j 19:33	6° ♁ 22'55	18.17210 AU
minimum elong	-7136 Feb 20 j 17:01	8° ♁ 37'06	0°55'53	direct	-7130 Dec 04 j 02:31	4° ♁ 22'22	
max. Earth dist.	-7136 Feb 20 j 17:32	8° ♁ 37'11	20.60785 AU	evening set	-7129 Mar 07 j 02:47	7° ♁ 35'30	
morning rise	-7136 Mar 08 j 10:58	9° ♁ 34'40					
retrograde	-7136 Jun 10 j 19:20	12° ♁ 45'30		conjunction	-7129 Mar 23 j 22:30	8° ♁ 34'46	-0°55'24
opposition	-7136 Aug 25 j 17:18	10° ♁ 44'43	-1°01'59	minimum elong	-7129 Mar 23 j 22:30	8° ♁ 34'46	0°55'48
min. Earth dist.	-7136 Aug 25 j 17:17	10° ♁ 44'44	18.57831 AU	max. Earth dist.	-7129 Mar 23 j 05:43	8° ♁ 32'17	20.13574 AU
direct	-7136 Nov 08 j 07:21	8° ♁ 45'19		morning rise	-7129 Apr 09 j 18:09	9° ♁ 34'05	
evening set	-7135 Feb 07 j 15:59	11° ♁ 51'01		retrograde	-7129 Jul 12 j 05:05	12° ♁ 48'37	
				opposition	-7129 Sep 24 j 18:30	10° ♁ 47'03	-1°00'53
conjunction	-7135 Feb 24 j 08:17	12° ♁ 48'31	-0°56'21	min. Earth dist.	-7129 Sep 25 j 09:26	10° ♁ 45'27	18.09976 AU
minimum elong	-7135 Feb 24 j 08:17	12° ♁ 48'31	0°56'50	direct	-7129 Dec 08 j 16:33	8° ♁ 44'35	
max. Earth dist.	-7135 Feb 24 j 07:06	12° ♁ 48'20	20.54780 AU	evening set	-7128 Mar 10 j 23:40	11° ♁ 59'03	
morning rise	-7135 Mar 13 j 02:33	13° ♁ 46'19					
retrograde	-7135 Jun 15 j 08:11	16° ♁ 57'41		conjunction	-7128 Mar 27 j 19:30	12° ♁ 58'35	-0°54'07
opposition	-7135 Aug 30 j 01:59	14° ♁ 56'52	-1°02'53	minimum elong	-7128 Mar 27 j 19:31	12° ♁ 58'35	0°54'30
min. Earth dist.	-7135 Aug 30 j 04:24	14° ♁ 56'37	18.51683 AU	max. Earth dist.	-7128 Mar 26 j 23:27	12° ♁ 55'37	20.06371 AU
direct	-7135 Nov 12 j 16:14	12° ♁ 57'07		morning rise	-7128 Apr 13 j 15:15	13° ♁ 58'09	
evening set	-7134 Feb 12 j 07:35	16° ♁ 03'59			-7128 May 02 j 03:39	15° ♁	
				retrograde	-7128 Jul 15 j 22:15	17° ♁ 13'15	
conjunction	-7134 Mar 01 j 00:30	17° ♁ 01'46	-0°56'59	opposition	-7128 Sep 28 j 07:40	15° ♁ 11'31	-0°59'18
minimum elong	-7134 Mar 01 j 00:30	17° ♁ 01'46	0°57'27	min. Earth dist.	-7128 Sep 29 j 00:36	15° ♁ 09'42	18.02831 AU
max. Earth dist.	-7134 Feb 28 j 19:38	17° ♁ 01'04	20.48494 AU		-7128 Oct 02 j 18:39	15° ♁	
morning rise	-7134 Mar 17 j 19:20	17° ♁ 59'50		direct	-7128 Dec 12 j 06:53	13° ♁ 08'36	
retrograde	-7134 Jun 19 j 22:35	21° ♁ 11'44			-7127 Feb 18 j 02:10	15° ♁	
opposition	-7134 Sep 03 j 11:08	19° ♁ 10'50	-1°03'26	evening set	-7127 Mar 15 j 21:02	16° ♁ 24'23	
min. Earth dist.	-7134 Sep 03 j 15:43	19° ♁ 10'21	18.45251 AU				
direct	-7134 Nov 17 j 02:38	17° ♁ 10'41		conjunction	-7127 Apr 01 j 17:15	17° ♁ 24'13	-0°52'29
evening set	-7133 Feb 17 j 00:07	20° ♁ 18'47		minimum elong	-7127 Apr 01 j 17:15	17° ♁ 24'13	0°52'51
				max. Earth dist.	-7127 Mar 31 j 20:31	17° ♁ 21'07	19.99283 AU
conjunction	-7133 Mar 05 j 17:50	21° ♁ 16'52	-0°57'19	morning rise	-7127 Apr 18 j 12:43	18° ♁ 24'00	
minimum elong	-7133 Mar 05 j 17:50	21° ♁ 16'52	0°57'47	retrograde	-7127 Jul 20 j 16:33	21° ♁ 39'39	
max. Earth dist.	-7133 Mar 05 j 11:05	21° ♁ 15'53	20.41905 AU	opposition	-7127 Oct 02 j 21:33	19° ♁ 37'48	-0°57'20
morning rise	-7133 Mar 22 j 12:51	22° ♁ 15'11		min. Earth dist.	-7127 Oct 03 j 15:32	19° ♁ 35'52	17.95821 AU
retrograde	-7133 Jun 24 j 12:49	25° ♁ 27'36		direct	-7127 Dec 16 j 23:18	17° ♁ 34'27	
opposition	-7133 Sep 07 j 21:03	23° ♁ 26'37	-1°03'39	evening set	-7126 Mar 20 j 19:36	20° ♁ 51'35	
min. Earth dist.	-7133 Sep 08 j 03:59	23° ♁ 25'53	18.38520 AU				
direct	-7133 Nov 21 j 13:11	21° ♁ 26'03		conjunction	-7126 Apr 06 j 15:47	21° ♁ 51'41	-0°50'33
evening set	-7132 Feb 21 j 17:33	24° ♁ 35'22		minimum elong	-7126 Apr 06 j 15:48	21° ♁ 51'41	0°50'53
				max. Earth dist.	-7126 Apr 05 j 16:08	21° ♁ 48'09	19.92369 AU
conjunction	-7132 Mar 09 j 11:42	25° ♁ 33'44	-0°57'20	morning rise	-7126 Apr 23 j 11:09	22° ♁ 51'42	

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Attention, astronomical year style is used: The year -7126 in astronomical counting style is the year 7127 BCE in historical counting style.

retrograde	-7126 Jul 25 j 10:07	26° \approx 07'55	evening set	-7119 Apr 23 j 06:58	22° \mathbf{H} 56'48	
opposition	-7126 Oct 07 j 12:11	24° \approx 05'59 -0°55'01	max. Earth dist.	-7119 May 08 j 16:22	23° \mathbf{H} 53'20	19.51124 AU
min. Earth dist.	-7126 Oct 08 j 08:11	24° \approx 03'49 17.89026 AU				
direct	-7126 Dec 21 j 15:00	22° \approx 02'13	conjunction	-7119 May 10 j 01:12	23° \mathbf{H} 58'24 -0°28'31	
evening set	-7125 Mar 25 j 18:54	25° \approx 20'43	minimum elong	-7119 May 10 j 01:13	23° \mathbf{H} 58'24 0°28'36	
			morning rise	-7119 May 26 j 16:18	24° \mathbf{H} 59'35	
conjunction	-7125 Apr 11 j 15:16	26° \approx 21'06 -0°48'17	retrograde	-7119 Aug 26 j 13:19	28° \mathbf{H} 19'31	
minimum elong	-7125 Apr 11 j 15:16	26° \approx 21'06 0°48'36	opposition	-7119 Nov 07 j 19:33	26° \mathbf{H} 17'27 -0°29'31	
max. Earth dist.	-7125 Apr 10 j 15:01	26° \approx 17'26 19.85690 AU	min. Earth dist.	-7119 Nov 08 j 23:01	26° \mathbf{H} 14'27 17.48728 AU	
morning rise	-7125 Apr 28 j 10:10	27° \approx 21'18	direct	-7118 Jan 22 j 17:24	24° \mathbf{H} 11'37	
	-7125 Jun 22 j 07:27	0° \mathbf{H}	evening set	-7118 Apr 28 j 11:05	27° \mathbf{H} 38'48	
retrograde	-7125 Jul 30 j 06:10	0° \mathbf{H} 38'05	max. Earth dist.	-7118 May 13 j 19:18	28° \mathbf{H} 35'21 19.46330 AU	
	-7125 Sep 06 j 13:48	30° \mathbf{R}				
opposition	-7125 Oct 12 j 03:43	28° \approx 36'06 -0°52'21	conjunction	-7118 May 15 j 04:42	28° \mathbf{H} 40'32 -0°24'21	
min. Earth dist.	-7125 Oct 13 j 00:25	28° \approx 33'51 17.82469 AU	minimum elong	-7118 May 15 j 04:42	28° \mathbf{H} 40'32 0°24'25	
direct	-7125 Dec 26 j 09:41	26° \approx 32'00	morning rise	-7118 May 31 j 18:42	29° \mathbf{H} 41'48	
evening set	-7124 Mar 29 j 19:03	29° \approx 51'51		-7118 Jun 05 j 20:03	0° \mathbf{Y}	
	-7124 Apr 01 j 02:12	0° \mathbf{H}	retrograde	-7118 Aug 31 j 11:12	3° \mathbf{Y} 02'07	
conjunction	-7124 Apr 15 j 15:10	0° \mathbf{H} 52'28 -0°45'43	opposition	-7118 Nov 12 j 17:09	1° \mathbf{Y} 00'00 -0°24'47	
minimum elong	-7124 Apr 15 j 15:11	0° \mathbf{H} 52'28 0°45'59	min. Earth dist.	-7118 Nov 13 j 22:17	0° \mathbf{Y} 56'49 17.44118 AU	
max. Earth dist.	-7124 Apr 14 j 12:29	0° \mathbf{H} 48'26 19.79265 AU		-7118 Dec 06 j 13:29	30° \mathbf{R} \mathbf{H}	
morning rise	-7124 May 02 j 09:43	1° \mathbf{H} 52'53	direct	-7117 Jan 27 j 16:41	28° \mathbf{H} 53'55	
retrograde	-7124 Aug 03 j 00:44	5° \mathbf{H} 10'15		-7117 Mar 19 j 15:02	0° \mathbf{Y}	
opposition	-7124 Oct 15 j 20:11	3° \mathbf{H} 08'14 -0°49'20	evening set	-7117 May 03 j 15:34	2° \mathbf{Y} 22'03	
min. Earth dist.	-7124 Oct 16 j 18:54	3° \mathbf{H} 05'46 17.76190 AU	max. Earth dist.	-7117 May 18 j 21:56	3° \mathbf{Y} 18'33 19.41922 AU	
direct	-7124 Dec 30 j 03:13	1° \mathbf{H} 03'48				
evening set	-7123 Apr 03 j 19:56	4° \mathbf{H} 25'01	conjunction	-7117 May 20 j 08:17	3° \mathbf{Y} 23'53 -0°20'01	
			minimum elong	-7117 May 20 j 08:17	3° \mathbf{Y} 23'53 0°20'02	
conjunction	-7123 Apr 20 j 16:00	5° \mathbf{H} 25'52 -0°42'50	morning rise	-7117 Jun 05 j 21:24	4° \mathbf{Y} 25'14	
minimum elong	-7123 Apr 20 j 16:01	5° \mathbf{H} 25'52 0°43'05	retrograde	-7117 Sep 05 j 11:40	7° \mathbf{Y} 45'54	
max. Earth dist.	-7123 Apr 19 j 12:43	5° \mathbf{H} 21'43 19.73122 AU	opposition	-7117 Nov 17 j 15:26	5° \mathbf{Y} 43'44 -0°19'52	
morning rise	-7123 May 07 j 10:00	6° \mathbf{H} 26'29	min. Earth dist.	-7117 Nov 18 j 20:00	5° \mathbf{Y} 40'37 17.39917 AU	
retrograde	-7123 Aug 07 j 22:17	9° \mathbf{H} 44'24	direct	-7116 Feb 01 j 18:59	3° \mathbf{Y} 37'24	
opposition	-7123 Oct 20 j 13:20	7° \mathbf{H} 42'23 -0°45'58	evening set	-7116 May 07 j 19:58	7° \mathbf{Y} 06'22	
min. Earth dist.	-7123 Oct 21 j 12:34	7° \mathbf{H} 39'52 17.70177 AU	max. Earth dist.	-7116 May 23 j 02:13	8° \mathbf{Y} 03'01 19.37941 AU	
direct	-7122 Jan 03 j 23:58	5° \mathbf{H} 37'40				
evening set	-7122 Apr 08 j 21:47	9° \mathbf{H} 00'12	conjunction	-7116 May 24 j 11:55	8° \mathbf{Y} 08'17 -0°15'32	
			minimum elong	-7116 May 24 j 11:55	8° \mathbf{Y} 08'17 0°15'31	
conjunction	-7122 Apr 25 j 17:30	10° \mathbf{H} 01'17 -0°39'39	behind sun begin	-7116 May 24 j 10:30	8° \mathbf{Y} 08'04	
minimum elong	-7122 Apr 25 j 17:30	10° \mathbf{H} 01'17 0°39'52	behind sun end	-7116 May 24 j 13:20	8° \mathbf{Y} 08'30	
max. Earth dist.	-7122 Apr 24 j 12:04	9° \mathbf{H} 56'47 19.67234 AU	morning rise	-7116 Jun 09 j 23:48	9° \mathbf{Y} 09'39	
morning rise	-7122 May 12 j 10:55	11° \mathbf{H} 02'03	retrograde	-7116 Sep 09 j 10:27	12° \mathbf{Y} 30'38	
retrograde	-7122 Aug 12 j 18:03	14° \mathbf{H} 20'32	opposition	-7116 Nov 21 j 14:31	10° \mathbf{Y} 28'26 -0°14'47	
opposition	-7122 Oct 25 j 07:38	12° \mathbf{H} 18'31 -0°42'17	min. Earth dist.	-7116 Nov 22 j 20:04	10° \mathbf{Y} 25'12 17.36184 AU	
min. Earth dist.	-7122 Oct 26 j 09:02	12° \mathbf{H} 15'45 17.64425 AU	direct	-7115 Feb 05 j 19:09	8° \mathbf{Y} 21'52	
direct	-7121 Jan 08 j 19:30	10° \mathbf{H} 13'31	evening set	-7115 May 13 j 00:44	11° \mathbf{Y} 51'36	
evening set	-7121 Apr 14 j 00:17	13° \mathbf{H} 37'20	max. Earth dist.	-7115 May 28 j 05:10	12° \mathbf{Y} 48'10 19.34474 AU	
conjunction	-7121 Apr 30 j 19:38	14° \mathbf{H} 38'36 -0°36'11	conjunction	-7115 May 29 j 15:33	12° \mathbf{Y} 53'33 -0°10'56	
minimum elong	-7121 Apr 30 j 19:38	14° \mathbf{H} 38'36 0°36'21	minimum elong	-7115 May 29 j 15:33	12° \mathbf{Y} 53'33 0°10'54	
max. Earth dist.	-7121 Apr 29 j 13:17	14° \mathbf{H} 33'57 19.61604 AU	behind sun begin	-7115 May 29 j 10:29	12° \mathbf{Y} 52'47	
morning rise	-7121 May 17 j 12:20	15° \mathbf{H} 39'32	behind sun end	-7115 May 29 j 20:38	12° \mathbf{Y} 54'20	
retrograde	-7121 Aug 17 j 16:53	18° \mathbf{H} 58'32	morning rise	-7115 Jun 15 j 02:29	13° \mathbf{Y} 54'57	
opposition	-7121 Oct 30 j 02:43	16° \mathbf{H} 56'31 -0°38'18	retrograde	-7115 Sep 14 j 11:12	17° \mathbf{Y} 16'11	
min. Earth dist.	-7121 Oct 31 j 04:19	16° \mathbf{H} 53'43 17.58917 AU	opposition	-7115 Nov 26 j 13:55	15° \mathbf{Y} 13'55 -0°09'36	
direct	-7120 Jan 13 j 18:46	14° \mathbf{H} 51'15	min. Earth dist.	-7115 Nov 27 j 18:34	15° \mathbf{Y} 10'47 17.32993 AU	
evening set	-7120 Apr 18 j 03:27	18° \mathbf{H} 16'15	direct	-7114 Feb 10 j 22:13	13° \mathbf{Y} 07'10	
			evening set	-7114 May 18 j 05:26	16° \mathbf{Y} 37'34	
conjunction	-7120 May 04 j 22:17	19° \mathbf{H} 17'42 -0°32'28	max. Earth dist.	-7114 Jun 02 j 10:29	17° \mathbf{Y} 34'22 19.31566 AU	
minimum elong	-7120 May 04 j 22:17	19° \mathbf{H} 17'42 0°32'37				
max. Earth dist.	-7120 May 03 j 14:28	19° \mathbf{H} 12'49 19.56218 AU	conjunction	-7114 Jun 03 j 19:22	17° \mathbf{Y} 39'32 -0°06'17	
morning rise	-7120 May 21 j 14:07	20° \mathbf{H} 18'46	minimum elong	-7114 Jun 03 j 19:22	17° \mathbf{Y} 39'32 0°06'10	
retrograde	-7120 Aug 21 j 13:39	23° \mathbf{H} 38'15	behind sun begin	-7114 Jun 04 j 12:59	17° \mathbf{Y} 38'33	
opposition	-7120 Nov 02 j 22:48	21° \mathbf{H} 36'13 -0°34'02	behind sun end	-7114 Jun 04 j 01:45	17° \mathbf{Y} 40'30	
min. Earth dist.	-7120 Nov 04 j 02:24	21° \mathbf{H} 33'12 17.53678 AU	morning rise	-7114 Jun 20 j 04:54	18° \mathbf{Y} 40'54	
direct	-7119 Jan 17 j 16:16	19° \mathbf{H} 30'40	retrograde	-7114 Sep 19 j 10:37	22° \mathbf{Y} 02'21	
			opposition	-7114 Dec 01 j 14:17	20° \mathbf{Y} 00'05 -0°04'21	

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Attention, astronomical year style is used: The year -7114 in astronomical counting style is the year 7115 BCE in historical counting style.

min. Earth dist.	-7114 Dec 02 j 19:09	19° Υ 56'55	17.30388 AU	evening set	-7108 Jun 16 j 06:51	15° \mathcal{B} 22'22	
direct	-7113 Feb 15 j 23:41	17° Υ 53'13		max. Earth dist.	-7108 Jul 01 j 11:47	16° \mathcal{B} 19'46	19.27740 AU
evening set	-7113 May 23 j 10:11	21° Υ 24'08					
				conjunction	-7108 Jul 02 j 13:08	16° \mathcal{B} 23'48	0°21'50
conjunction	-7113 Jun 08 j 22:45	22° Υ 26'04	-0°01'32	minimum elong	-7108 Jul 02 j 13:08	16° \mathcal{B} 23'48	0°22'08
minimum elong	-7113 Jun 08 j 22:46	22° Υ 26'04	0°01'24	morning rise	-7108 Jul 18 j 14:58	17° \mathcal{B} 24'35	
behind sun begin	-7113 Jun 08 j 16:03	22° Υ 25'03		retrograde	-7108 Oct 17 j 12:06	20° \mathcal{B} 46'35	
behind sun end	-7113 Jun 09 j 05:30	22° Υ 27'06		opposition	-7108 Dec 30 j 02:21	18° \mathcal{B} 44'47	0°26'45
max. Earth dist.	-7113 Jun 07 j 13:39	22° Υ 20'51	19.29283 AU	min. Earth dist.	-7108 Dec 31 j 00:22	18° \mathcal{B} 42'24	17.28434 AU
morning rise	-7113 Jun 25 j 07:12	23° Υ 27'24		direct	-7107 Mar 17 j 03:02	16° \mathcal{B} 38'23	
retrograde	-7113 Sep 24 j 11:04	26° Υ 49'04		evening set	-7107 Jun 21 j 10:06	20° \mathcal{B} 10'05	
asc. node	-7113 Oct 03 j 03:18	26° Υ 46'54					
opposition	-7113 Dec 06 j 15:05	24° Υ 46'47	0°00'57	conjunction	-7107 Jul 07 j 14:56	21° \mathcal{B} 11'20	0°26'10
min. Earth dist.	-7113 Dec 07 j 18:41	24° Υ 43'46	17.28438 AU	minimum elong	-7107 Jul 07 j 14:56	21° \mathcal{B} 11'20	0°26'30
direct	-7112 Feb 21 j 03:59	22° Υ 39'51		max. Earth dist.	-7107 Jul 06 j 14:38	21° \mathcal{B} 07'29	19.29193 AU
evening set	-7112 May 27 j 14:42	26° Υ 11'12		morning rise	-7107 Jul 23 j 15:28	22° \mathcal{B} 11'57	
max. Earth dist.	-7112 Jun 11 j 19:22	27° Υ 08'13	19.27666 AU	retrograde	-7107 Oct 22 j 11:47	25° \mathcal{B} 33'51	
				opposition	-7106 Jan 04 j 05:34	23° \mathcal{B} 32'10	0°31'30
conjunction	-7112 Jun 13 j 02:17	27° Υ 13'06	0°03'21	min. Earth dist.	-7106 Jan 05 j 02:51	23° \mathcal{B} 29'53	17.30145 AU
minimum elong	-7112 Jun 13 j 02:15	27° Υ 13'06	0°03'31	direct	-7106 Mar 22 j 06:41	21° \mathcal{B} 25'57	
behind sun begin	-7112 Jun 12 j 19:36	27° Υ 12'04		evening set	-7106 Jun 26 j 12:47	24° \mathcal{B} 57'21	
behind sun end	-7112 Jun 13 j 08:55	27° Υ 14'07					
morning rise	-7112 Jun 29 j 09:15	28° Υ 14'22		conjunction	-7106 Jul 12 j 16:15	25° \mathcal{B} 58'23	0°30'19
	-7112 Jul 30 j 12:18	0° \mathcal{B}		minimum elong	-7106 Jul 12 j 16:15	25° \mathcal{B} 58'23	0°30'41
retrograde	-7112 Sep 28 j 10:36	1° \mathcal{B} 36'10		max. Earth dist.	-7106 Jul 11 j 18:01	25° \mathcal{B} 54'51	19.31147 AU
	-7112 Nov 30 j 15:17	30° $\mathcal{R}\Upsilon$		morning rise	-7106 Jul 28 j 15:31	26° \mathcal{B} 58'48	
opposition	-7112 Dec 10 j 16:25	29° Υ 33'56	0°06'15		-7106 Sep 30 j 12:41	0° \mathcal{B}	
min. Earth dist.	-7112 Dec 11 j 19:29	29° Υ 30'59	17.27156 AU	retrograde	-7106 Oct 27 j 13:21	0° \mathcal{B} 20'33	
direct	-7111 Feb 25 j 07:02	27° Υ 27'01			-7106 Nov 24 j 02:57	30° $\mathcal{R}\mathcal{B}$	
	-7111 May 16 j 08:21	0° \mathcal{B}		opposition	-7105 Jan 09 j 09:01	28° \mathcal{B} 18'58	0°36'01
evening set	-7111 Jun 01 j 19:10	0° \mathcal{B} 58'40		min. Earth dist.	-7105 Jan 10 j 03:59	28° \mathcal{B} 16'56	17.32322 AU
max. Earth dist.	-7111 Jun 16 j 22:35	1° \mathcal{B} 55'38	19.26731 AU	direct	-7105 Mar 27 j 12:46	26° \mathcal{B} 12'58	
				evening set	-7105 Jul 01 j 14:42	29° \mathcal{B} 43'54	
conjunction	-7111 Jun 18 j 05:22	2° \mathcal{B} 00'30	0°08'04		-7105 Jul 05 j 22:03	0° \mathcal{B}	
minimum elong	-7111 Jun 18 j 05:21	2° \mathcal{B} 00'29	0°08'17				
behind sun begin	-7111 Jun 17 j 23:26	1° \mathcal{B} 59'35		conjunction	-7105 Jul 17 j 16:48	0° \mathcal{B} 44'42	0°34'14
behind sun end	-7111 Jun 18 j 11:16	2° \mathcal{B} 01'24		minimum elong	-7105 Jul 17 j 16:47	0° \mathcal{B} 44'42	0°34'37
morning rise	-7111 Jul 04 j 11:13	3° \mathcal{B} 01'41		max. Earth dist.	-7105 Jul 16 j 20:23	0° \mathcal{B} 41'28	19.33554 AU
retrograde	-7111 Oct 03 j 10:54	6° \mathcal{B} 23'36		morning rise	-7105 Aug 02 j 14:47	1° \mathcal{B} 44'55	
opposition	-7111 Dec 15 j 18:13	4° \mathcal{B} 21'26	0°11'32	retrograde	-7105 Nov 01 j 12:04	5° \mathcal{B} 06'28	
min. Earth dist.	-7111 Dec 16 j 20:07	4° \mathcal{B} 18'38	17.26556 AU	opposition	-7104 Jan 14 j 12:35	3° \mathcal{B} 04'58	0°40'15
direct	-7110 Mar 02 j 12:06	2° \mathcal{B} 14'35		min. Earth dist.	-7104 Jan 15 j 06:44	3° \mathcal{B} 03'02	17.34961 AU
evening set	-7110 Jun 06 j 23:22	5° \mathcal{B} 46'28		direct	-7104 Mar 31 j 15:51	0° \mathcal{B} 59'10	
max. Earth dist.	-7110 Jun 22 j 04:03	6° \mathcal{B} 43'42	19.26457 AU	evening set	-7104 Jul 05 j 15:58	4° \mathcal{B} 29'32	
conjunction	-7110 Jun 23 j 08:22	6° \mathcal{B} 48'11	0°12'44	conjunction	-7104 Jul 21 j 16:42	5° \mathcal{B} 30'05	0°37'55
minimum elong	-7110 Jun 23 j 08:22	6° \mathcal{B} 48'11	0°12'59	minimum elong	-7104 Jul 21 j 16:42	5° \mathcal{B} 30'05	0°38'20
behind sun begin	-7110 Jun 23 j 04:19	6° \mathcal{B} 47'33		max. Earth dist.	-7104 Jul 20 j 22:08	5° \mathcal{B} 27'08	19.36423 AU
behind sun end	-7110 Jun 23 j 12:24	6° \mathcal{B} 48'48		morning rise	-7104 Aug 06 j 13:36	6° \mathcal{B} 30'05	
morning rise	-7110 Jul 09 j 12:47	7° \mathcal{B} 49'15		retrograde	-7104 Nov 05 j 13:09	9° \mathcal{B} 51'22	
retrograde	-7110 Oct 08 j 10:55	11° \mathcal{B} 11'14		opposition	-7103 Jan 18 j 15:46	7° \mathcal{B} 49'55	0°44'12
opposition	-7110 Dec 20 j 20:32	9° \mathcal{B} 09'12	0°16'44	min. Earth dist.	-7103 Jan 19 j 07:09	7° \mathcal{B} 48'17	17.38043 AU
min. Earth dist.	-7110 Dec 21 j 21:17	9° \mathcal{B} 06'31	17.26588 AU	direct	-7103 Apr 05 j 21:42	5° \mathcal{B} 44'21	
direct	-7109 Mar 07 j 16:57	7° \mathcal{B} 02'29		evening set	-7103 Jul 10 j 16:22	9° \mathcal{B} 14'01	
evening set	-7109 Jun 12 j 03:26	10° \mathcal{B} 34'25					
max. Earth dist.	-7109 Jun 27 j 07:14	11° \mathcal{B} 31'37	19.26805 AU	conjunction	-7103 Jul 26 j 15:54	10° \mathcal{B} 14'19	0°41'19
				minimum elong	-7103 Jul 26 j 15:53	10° \mathcal{B} 14'19	0°41'44
conjunction	-7109 Jun 28 j 10:58	11° \mathcal{B} 36'00	0°17'21	max. Earth dist.	-7103 Jul 25 j 23:50	10° \mathcal{B} 11'46	19.39728 AU
minimum elong	-7109 Jun 28 j 10:58	11° \mathcal{B} 36'00	0°17'38	morning rise	-7103 Aug 11 j 11:35	11° \mathcal{B} 14'04	
morning rise	-7109 Jul 14 j 14:08	12° \mathcal{B} 36'57		retrograde	-7103 Nov 10 j 10:50	14° \mathcal{B} 35'03	
	-7109 Aug 28 j 06:58	15° \mathcal{B}		opposition	-7102 Jan 23 j 19:03	12° \mathcal{B} 33'40	0°47'50
retrograde	-7109 Oct 13 j 11:06	15° \mathcal{B} 58'59		min. Earth dist.	-7102 Jan 24 j 09:27	12° \mathcal{B} 32'08	17.41574 AU
	-7109 Nov 30 j 12:09	15° $\mathcal{R}\mathcal{B}$		direct	-7102 Apr 11 j 00:17	10° \mathcal{B} 28'19	
opposition	-7109 Dec 25 j 23:19	13° \mathcal{B} 57'03	0°21'49	evening set	-7102 Jul 15 j 15:53	13° \mathcal{B} 57'11	
min. Earth dist.	-7109 Dec 26 j 23:03	13° \mathcal{B} 54'29	17.27240 AU				
direct	-7108 Mar 11 j 21:30	11° \mathcal{B} 50'28		conjunction	-7102 Jul 31 j 14:02	14° \mathcal{B} 57'12	0°44'25
	-7108 Jun 10 j 04:34	15° \mathcal{B}		minimum elong	-7102 Jul 31 j 14:02	14° \mathcal{B} 57'12	0°44'52

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Attention, astronomical year style is used: The year -7102 in astronomical counting style is the year 7103 BCE in historical counting style.

max. Earth dist.	-7102 Jul 30 j 23:48	14° Π 54'57	19.43493 AU	min. Earth dist.	-7095 Feb 26 j 03:05	14° \mathfrak{D} 56'46	17.79162 AU
morning rise	-7102 Aug 16 j 08:47	15° Π 56'42		direct	-7095 May 14 j 13:59	12° \mathfrak{D} 53'37	
retrograde	-7102 Nov 15 j 10:48	19° Π 17'20		evening set	-7095 Aug 16 j 09:48	16° \mathfrak{D} 14'49	
opposition	-7101 Jan 28 j 21:59	17° Π 15'59	0°51'07				
min. Earth dist.	-7101 Jan 29 j 09:06	17° Π 14'49	17.45563 AU	conjunction	-7095 Sep 01 j 01:07	17° \mathfrak{D} 12'41	0°56'52
direct	-7101 Apr 16 j 05:48	15° Π 10'55		minimum elong	-7095 Sep 01 j 01:08	17° \mathfrak{D} 12'41	0°57'20
evening set	-7101 Jul 20 j 14:24	18° Π 38'52		max. Earth dist.	-7095 Sep 01 j 06:29	17° \mathfrak{D} 13'31	19.82532 AU
				morning rise	-7095 Sep 16 j 14:40	18° \mathfrak{D} 10'19	
conjunction	-7101 Aug 05 j 11:28	19° Π 38'35	0°47'13	retrograde	-7095 Dec 17 j 08:02	21° \mathfrak{D} 27'46	
minimum elong	-7101 Aug 05 j 11:28	19° Π 38'35	0°47'41	opposition	-7094 Mar 03 j 06:43	19° \mathfrak{D} 27'19	1°03'32
max. Earth dist.	-7101 Aug 05 j 00:34	19° Π 36'52	19.47719 AU	min. Earth dist.	-7094 Mar 03 j 00:49	19° \mathfrak{D} 27'55	17.85961 AU
morning rise	-7101 Aug 21 j 05:07	20° Π 37'50		direct	-7094 May 19 j 12:33	17° \mathfrak{D} 25'03	
retrograde	-7101 Nov 20 j 07:26	23° Π 58'04		evening set	-7094 Aug 21 j 01:52	20° \mathfrak{D} 44'56	
opposition	-7100 Feb 03 j 00:42	21° Π 56'47	0°54'03				
min. Earth dist.	-7100 Feb 03 j 10:26	21° Π 55'45	17.50034 AU	conjunction	-7094 Sep 05 j 16:21	21° \mathfrak{D} 42'29	0°57'14
direct	-7100 Apr 20 j 07:44	19° Π 52'00		minimum elong	-7094 Sep 05 j 16:21	21° \mathfrak{D} 42'29	0°57'43
evening set	-7100 Jul 24 j 11:59	23° Π 18'57		max. Earth dist.	-7094 Sep 05 j 23:03	21° \mathfrak{D} 43'32	19.89417 AU
				morning rise	-7094 Sep 21 j 05:41	22° \mathfrak{D} 39'52	
conjunction	-7100 Aug 09 j 07:46	24° Π 18'23	0°49'41	retrograde	-7094 Dec 22 j 03:07	25° \mathfrak{D} 56'48	
minimum elong	-7100 Aug 09 j 07:46	24° Π 18'22	0°50'09	opposition	-7093 Mar 08 j 05:52	23° \mathfrak{D} 56'29	1°03'44
max. Earth dist.	-7100 Aug 08 j 22:43	24° Π 16'57	19.52438 AU	min. Earth dist.	-7093 Mar 07 j 21:32	23° \mathfrak{D} 57'20	17.92919 AU
morning rise	-7100 Aug 25 j 00:41	25° Π 17'22		direct	-7093 May 24 j 09:38	21° \mathfrak{D} 54'40	
retrograde	-7100 Nov 24 j 06:04	28° Π 37'11		evening set	-7093 Aug 25 j 17:01	25° \mathfrak{D} 13'14	
opposition	-7099 Feb 07 j 02:51	26° Π 35'58	0°56'36				
min. Earth dist.	-7099 Feb 07 j 09:03	26° Π 35'19	17.54993 AU	conjunction	-7093 Sep 10 j 07:05	26° \mathfrak{D} 10'30	0°57'16
direct	-7099 Apr 25 j 12:02	24° Π 31'30		minimum elong	-7093 Sep 10 j 07:05	26° \mathfrak{D} 10'30	0°57'42
evening set	-7099 Jul 29 j 08:35	27° Π 57'25		max. Earth dist.	-7093 Sep 10 j 17:00	26° \mathfrak{D} 12'01	19.96411 AU
				morning rise	-7093 Sep 25 j 20:00	27° \mathfrak{D} 07'37	
conjunction	-7099 Aug 14 j 03:25	28° Π 56'32	0°51'49		-7093 Nov 26 j 16:27	0° Ω	
minimum elong	-7099 Aug 14 j 03:25	28° Π 56'32	0°52'18	retrograde	-7093 Dec 26 j 20:44	0° Ω 23'58	
max. Earth dist.	-7099 Aug 13 j 22:04	28° Π 55'42	19.57633 AU		-7092 Jan 26 j 22:26	30° \mathfrak{R} \mathfrak{D}	
morning rise	-7099 Aug 29 j 19:19	29° Π 55'14		opposition	-7092 Mar 12 j 04:11	28° \mathfrak{D} 23'48	1°03'32
	-7099 Aug 31 j 02:25	0° \mathfrak{D}		min. Earth dist.	-7092 Mar 11 j 17:47	28° \mathfrak{D} 24'52	17.99935 AU
retrograde	-7099 Nov 29 j 01:29	3° \mathfrak{D} 14'37		direct	-7092 May 28 j 06:44	26° \mathfrak{D} 22'26	
opposition	-7098 Feb 12 j 04:39	1° \mathfrak{D} 13'31	0°58'46	evening set	-7092 Aug 29 j 07:23	29° \mathfrak{D} 39'39	
min. Earth dist.	-7098 Feb 12 j 09:07	1° \mathfrak{D} 13'03	17.60423 AU		-7092 Sep 03 j 22:01	0° Ω	
	-7098 Mar 15 j 10:48	30° \mathfrak{R} Π					
direct	-7098 Apr 30 j 13:22	29° Π 09'27		conjunction	-7092 Sep 13 j 20:50	0° Ω 36'37	0°56'56
	-7098 Jun 13 j 23:45	0° \mathfrak{D}		minimum elong	-7092 Sep 13 j 20:50	0° Ω 36'37	0°57'23
evening set	-7098 Aug 03 j 04:23	2° \mathfrak{D} 34'14		max. Earth dist.	-7092 Sep 14 j 07:47	0° Ω 38'18	20.03433 AU
				morning rise	-7092 Sep 29 j 09:45	1° Ω 33'29	
conjunction	-7098 Aug 18 j 22:03	3° \mathfrak{D} 33'02	0°53'36	retrograde	-7092 Dec 30 j 14:37	4° Ω 49'16	
minimum elong	-7098 Aug 18 j 22:03	3° \mathfrak{D} 33'02	0°54'04	opposition	-7091 Mar 17 j 01:51	2° Ω 49'11	1°02'58
max. Earth dist.	-7098 Aug 18 j 18:27	3° \mathfrak{D} 32'28	19.63302 AU	min. Earth dist.	-7091 Mar 16 j 13:38	2° Ω 50'26	18.06957 AU
morning rise	-7098 Sep 03 j 13:23	4° \mathfrak{D} 31'29		direct	-7091 Jun 02 j 02:26	0° Ω 48'13	
retrograde	-7098 Dec 03 j 22:43	7° \mathfrak{D} 50'25		evening set	-7091 Sep 02 j 20:42	4° Ω 04'05	
opposition	-7097 Feb 17 j 05:59	5° \mathfrak{D} 49'26	1°00'33				
min. Earth dist.	-7097 Feb 17 j 06:58	5° \mathfrak{D} 49'20	17.66310 AU	conjunction	-7091 Sep 18 j 09:54	5° Ω 00'45	0°56'17
direct	-7097 May 05 j 15:08	3° \mathfrak{D} 45'47		minimum elong	-7091 Sep 18 j 09:54	5° Ω 00'45	0°56'41
evening set	-7097 Aug 07 j 22:57	7° \mathfrak{D} 09'25		max. Earth dist.	-7091 Sep 18 j 23:40	5° Ω 02'52	20.10428 AU
				morning rise	-7091 Oct 03 j 22:35	5° Ω 57'23	
conjunction	-7097 Aug 23 j 15:53	8° \mathfrak{D} 07'55	0°55'03	retrograde	-7090 Jan 04 j 06:53	9° Ω 12'34	
minimum elong	-7097 Aug 23 j 15:53	8° \mathfrak{D} 07'55	0°55'31	opposition	-7090 Mar 21 j 22:41	7° Ω 12'34	1°02'01
max. Earth dist.	-7097 Aug 23 j 16:09	8° \mathfrak{D} 07'57	19.69391 AU	min. Earth dist.	-7090 Mar 21 j 08:14	7° Ω 14'03	18.13912 AU
morning rise	-7097 Sep 08 j 06:25	9° \mathfrak{D} 06'05		direct	-7090 Jun 06 j 22:30	5° Ω 12'00	
retrograde	-7097 Dec 08 j 17:44	12° \mathfrak{D} 24'32		evening set	-7090 Sep 07 j 09:16	8° Ω 26'28	
opposition	-7096 Feb 22 j 06:53	10° \mathfrak{D} 23'44	1°01'57				
min. Earth dist.	-7096 Feb 22 j 05:55	10° \mathfrak{D} 23'50	17.72576 AU	conjunction	-7090 Sep 22 j 22:02	9° Ω 22'52	0°55'18
direct	-7096 May 09 j 15:07	8° \mathfrak{D} 20'32		minimum elong	-7090 Sep 22 j 22:03	9° Ω 22'52	0°55'42
evening set	-7096 Aug 11 j 16:54	11° \mathfrak{D} 42'57		max. Earth dist.	-7090 Sep 23 j 12:52	9° Ω 25'07	20.17349 AU
				morning rise	-7090 Oct 08 j 10:54	10° Ω 19'16	
conjunction	-7096 Aug 27 j 08:50	12° \mathfrak{D} 41'08	0°56'08	retrograde	-7089 Jan 08 j 22:55	13° Ω 33'50	
minimum elong	-7096 Aug 27 j 08:49	12° \mathfrak{D} 41'08	0°56'36	opposition	-7089 Mar 26 j 18:48	11° Ω 33'53	1°00'43
max. Earth dist.	-7096 Aug 27 j 10:36	12° \mathfrak{D} 41'25	19.75828 AU	min. Earth dist.	-7089 Mar 26 j 02:55	11° Ω 35'29	18.20804 AU
morning rise	-7096 Sep 11 j 23:00	13° \mathfrak{D} 39'03		direct	-7089 Jun 11 j 16:28	9° Ω 33'39	
retrograde	-7096 Dec 12 j 13:34	16° \mathfrak{D} 57'00		evening set	-7089 Sep 11 j 20:41	12° Ω 46'44	
opposition	-7095 Feb 26 j 06:57	14° \mathfrak{D} 56'22	1°02'56				

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Attention, astronomical year style is used: The year -7089 in astronomical counting style is the year 7090 BCE in historical counting style.

conjunction	-7089 Sep 27 j 09:27	13° Ω 42'52	0°54'00	minimum elong	-7083 Oct 21 j 14:36	9° \mathbb{N} 01'45	0°40'53
minimum elong	-7089 Sep 27 j 09:27	13° Ω 42'52	0°54'23	max. Earth dist.	-7083 Oct 22 j 18:16	9° \mathbb{N} 05'51	20.63510 AU
max. Earth dist.	-7089 Sep 28 j 02:56	13° Ω 45'32	20.24195 AU	morning rise	-7083 Nov 06 j 05:53	9° \mathbb{N} 56'52	
morning rise	-7089 Oct 12 j 22:20	14° Ω 39'03		retrograde	-7082 Feb 07 j 18:12	13° \mathbb{N} 07'31	
	-7089 Oct 18 j 21:36	15° Ω		min. Earth dist.	-7082 Apr 25 j 10:36	11° \mathbb{N} 10'44	18.66603 AU
retrograde	-7088 Jan 13 j 13:53	17° Ω 52'59		opposition	-7082 Apr 26 j 14:31	11° \mathbb{N} 07'55	0°43'22
opposition	-7088 Mar 30 j 13:53	15° Ω 53'03	0°59'06	direct	-7082 Jul 11 j 23:33	9° \mathbb{N} 10'07	
min. Earth dist.	-7088 Mar 29 j 19:38	15° Ω 54'55	18.27595 AU	evening set	-7082 Oct 10 j 07:54	12° \mathbb{N} 14'39	
	-7088 Apr 22 j 02:52	15° \mathbb{R} Ω					
direct	-7088 Jun 15 j 11:00	13° Ω 53'10		conjunction	-7082 Oct 25 j 21:34	13° \mathbb{N} 09'20	0°37'40
	-7088 Aug 06 j 00:51	15° Ω		minimum elong	-7082 Oct 25 j 21:34	13° \mathbb{N} 09'20	0°37'52
evening set	-7088 Sep 15 j 07:26	17° Ω 04'53		max. Earth dist.	-7082 Oct 27 j 02:06	13° \mathbb{N} 13'32	20.69569 AU
				morning rise	-7082 Nov 10 j 13:36	14° \mathbb{N} 04'19	
conjunction	-7088 Sep 30 j 19:57	18° Ω 00'46	0°52'25	retrograde	-7081 Feb 12 j 04:00	17° \mathbb{N} 14'33	
minimum elong	-7088 Sep 30 j 19:57	18° Ω 00'46	0°52'45	min. Earth dist.	-7081 Apr 30 j 00:11	15° \mathbb{N} 17'50	18.72540 AU
max. Earth dist.	-7088 Oct 01 j 14:34	18° Ω 03'34	20.30942 AU	opposition	-7081 May 01 j 04:01	15° \mathbb{N} 15'03	0°39'55
morning rise	-7088 Oct 16 j 09:09	18° Ω 56'44		direct	-7081 Jul 16 j 09:07	13° \mathbb{N} 17'35	
retrograde	-7087 Jan 17 j 03:27	22° Ω 10'03		evening set	-7081 Oct 14 j 14:02	16° \mathbb{N} 21'08	
opposition	-7087 Apr 04 j 08:03	20° Ω 10'08	0°57'09				
min. Earth dist.	-7087 Apr 03 j 12:43	20° Ω 12'05	18.34316 AU	conjunction	-7081 Oct 30 j 04:16	17° \mathbb{N} 15'40	0°34'28
direct	-7087 Jun 20 j 02:55	18° Ω 10'33		minimum elong	-7081 Oct 30 j 04:16	17° \mathbb{N} 15'40	0°34'37
evening set	-7087 Sep 19 j 17:11	21° Ω 20'57		max. Earth dist.	-7081 Oct 31 j 10:03	17° \mathbb{N} 20'02	20.75357 AU
				morning rise	-7081 Nov 14 j 20:56	18° \mathbb{N} 10'33	
conjunction	-7087 Oct 05 j 05:48	22° Ω 16'35	0°50'33	retrograde	-7080 Feb 16 j 15:43	21° \mathbb{N} 20'22	
minimum elong	-7087 Oct 05 j 05:49	22° Ω 16'35	0°50'53	min. Earth dist.	-7080 May 03 j 11:04	19° \mathbb{N} 23'56	18.78155 AU
max. Earth dist.	-7087 Oct 06 j 02:59	22° Ω 19'46	20.37627 AU	opposition	-7080 May 04 j 16:38	19° \mathbb{N} 20'58	0°36'17
morning rise	-7087 Oct 20 j 19:11	23° Ω 12'20		direct	-7080 Jul 19 j 20:16	17° \mathbb{N} 23'50	
retrograde	-7086 Jan 21 j 17:35	26° Ω 25'04		evening set	-7080 Oct 17 j 19:58	20° \mathbb{N} 26'28	
min. Earth dist.	-7086 Apr 08 j 03:28	24° Ω 27'23	18.40964 AU				
opposition	-7086 Apr 09 j 01:23	24° Ω 25'10	0°54'55	conjunction	-7080 Nov 02 j 10:35	21° \mathbb{N} 20'52	0°31'07
direct	-7086 Jun 24 j 19:20	22° Ω 25'55		minimum elong	-7080 Nov 02 j 10:35	21° \mathbb{N} 20'52	0°31'15
evening set	-7086 Sep 24 j 02:12	25° Ω 35'01		max. Earth dist.	-7080 Nov 03 j 16:46	21° \mathbb{N} 25'17	20.80777 AU
				morning rise	-7080 Nov 18 j 04:03	22° \mathbb{N} 15'39	
conjunction	-7086 Oct 09 j 14:45	26° Ω 30'25	0°48'26	retrograde	-7079 Feb 20 j 00:42	25° \mathbb{N} 25'05	
minimum elong	-7086 Oct 09 j 14:46	26° Ω 30'25	0°48'43	min. Earth dist.	-7079 May 07 j 23:44	23° \mathbb{N} 28'40	18.83385 AU
max. Earth dist.	-7086 Oct 10 j 13:16	26° Ω 33'48	20.44240 AU	opposition	-7079 May 09 j 04:42	23° \mathbb{N} 25'46	0°32'29
morning rise	-7086 Oct 25 j 04:36	27° Ω 26'00		direct	-7079 Jul 24 j 04:41	21° \mathbb{N} 28'56	
	-7086 Dec 18 j 02:47	0° \mathbb{N}		evening set	-7079 Oct 22 j 01:29	24° \mathbb{N} 30'41	
retrograde	-7085 Jan 26 j 05:27	0° \mathbb{N} 38'10					
	-7085 Mar 07 j 15:28	30° \mathbb{R} Ω		conjunction	-7079 Nov 06 j 16:46	25° \mathbb{N} 24'59	0°27'38
opposition	-7085 Apr 13 j 18:01	28° Ω 38'18	0°52'24	minimum elong	-7079 Nov 06 j 16:46	25° \mathbb{N} 24'59	0°27'42
min. Earth dist.	-7085 Apr 12 j 19:12	28° Ω 40'36	18.47556 AU	max. Earth dist.	-7079 Nov 07 j 23:38	25° \mathbb{N} 29'29	20.85797 AU
direct	-7085 Jun 29 j 09:00	26° Ω 39'24		morning rise	-7079 Nov 22 j 10:57	26° \mathbb{N} 19'41	
evening set	-7085 Sep 28 j 10:30	29° Ω 47'16		retrograde	-7078 Feb 24 j 11:27	29° \mathbb{N} 28'45	
	-7085 Oct 02 j 01:31	0° \mathbb{N}		min. Earth dist.	-7078 May 12 j 09:45	27° \mathbb{N} 32'31	18.88175 AU
				opposition	-7078 May 13 j 16:04	27° \mathbb{N} 29'29	0°28'31
conjunction	-7085 Oct 13 j 23:20	0° \mathbb{N} 42'28	0°46'04	direct	-7078 Jul 28 j 14:24	25° \mathbb{N} 32'54	
minimum elong	-7085 Oct 13 j 23:21	0° \mathbb{N} 42'28	0°46'21	evening set	-7078 Oct 26 j 06:44	28° \mathbb{N} 33'50	
max. Earth dist.	-7085 Oct 15 j 00:05	0° \mathbb{N} 46'09	20.50791 AU				
morning rise	-7085 Oct 29 j 13:32	1° \mathbb{N} 37'52		conjunction	-7078 Nov 10 j 22:35	29° \mathbb{N} 28'02	0°24'01
retrograde	-7084 Jan 30 j 18:56	4° \mathbb{N} 49'29		minimum elong	-7078 Nov 10 j 22:35	29° \mathbb{N} 28'02	0°24'04
min. Earth dist.	-7084 Apr 16 j 08:13	2° \mathbb{N} 52'14	18.54054 AU	max. Earth dist.	-7078 Nov 12 j 05:30	29° \mathbb{N} 32'31	20.90341 AU
opposition	-7084 Apr 17 j 09:28	2° \mathbb{N} 49'41	0°49'38		-7078 Nov 20 j 03:07	0° Ω	
direct	-7084 Jul 02 j 23:22	0° \mathbb{N} 51'09		morning rise	-7078 Nov 26 j 17:42	0° Ω 22'41	
evening set	-7084 Oct 01 j 18:15	3° \mathbb{N} 57'51		retrograde	-7077 Feb 28 j 19:55	3° Ω 31'24	
				min. Earth dist.	-7077 May 16 j 21:37	1° Ω 35'04	18.92476 AU
conjunction	-7084 Oct 17 j 07:14	4° \mathbb{N} 52'51	0°43'28	opposition	-7077 May 18 j 02:57	1° Ω 32'08	0°24'27
minimum elong	-7084 Oct 17 j 07:14	4° \mathbb{N} 52'51	0°43'43		-7077 Jul 01 j 08:47	30° \mathbb{R} \mathbb{N}	
max. Earth dist.	-7084 Oct 18 j 09:04	4° \mathbb{N} 56'41	20.57224 AU	direct	-7077 Aug 01 j 21:37	29° \mathbb{N} 35'45	
morning rise	-7084 Nov 01 j 22:03	5° \mathbb{N} 48'06			-7077 Sep 01 j 16:01	0° Ω	
retrograde	-7083 Feb 03 j 05:34	8° \mathbb{N} 59'14		evening set	-7077 Oct 30 j 11:44	2° Ω 35'54	
min. Earth dist.	-7083 Apr 20 j 22:44	7° \mathbb{N} 02'06	18.60424 AU				
opposition	-7083 Apr 22 j 00:26	6° \mathbb{N} 59'31	0°46'37	conjunction	-7077 Nov 15 j 04:23	3° Ω 30'02	0°20'18
direct	-7083 Jul 07 j 10:40	5° \mathbb{N} 01'20		minimum elong	-7077 Nov 15 j 04:23	3° Ω 30'02	0°20'19
evening set	-7083 Oct 06 j 01:12	8° \mathbb{N} 06'56		max. Earth dist.	-7077 Nov 16 j 11:32	3° Ω 34'32	20.94394 AU
				morning rise	-7077 Dec 01 j 00:19	4° Ω 24'38	
conjunction	-7083 Oct 21 j 14:35	9° \mathbb{N} 01'45	0°40'40	retrograde	-7076 Mar 04 j 05:40	7° Ω 32'59	

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Attention, astronomical year style is used: The year -7076 in astronomical counting style is the year 7077 BCE in historical counting style.

min. Earth dist.	-7076 May 20 j 06:31	5° <u>♂</u> 36'45	18.96269 AU	behind sun end	-7071 Dec 08 j 17:32	27° <u>♂</u> 23'31	
opposition	-7076 May 21 j 12:50	5° <u>♂</u> 33'43	0°20'17	max. Earth dist.	-7071 Dec 09 j 17:47	27° <u>♂</u> 27'00	21.09251 AU
direct	-7076 Aug 05 j 06:21	3° <u>♂</u> 37'27		morning rise	-7071 Dec 24 j 12:49	28° <u>♂</u> 17'14	
evening set	-7076 Nov 02 j 16:29	6° <u>♂</u> 36'54			-7070 Jan 27 j 11:49	0° <u>♂</u>	
				retrograde	-7070 Mar 29 j 05:28	1° <u>♂</u> 24'10	
conjunction	-7076 Nov 18 j 09:47	7° <u>♂</u> 30'58	0°16'30		-7070 May 31 j 14:40	30° <u>♂</u>	
minimum elong	-7076 Nov 18 j 09:47	7° <u>♂</u> 30'58	0°16'29	min. Earth dist.	-7070 Jun 14 j 08:08	29° <u>♂</u> 27'27	19.09908 AU
max. Earth dist.	-7076 Nov 19 j 16:49	7° <u>♂</u> 35'27	20.97933 AU	opposition	-7070 Jun 15 j 12:58	29° <u>♂</u> 24'33	-0°05'41
morning rise	-7076 Dec 04 j 06:43	8° <u>♂</u> 25'32		direct	-7070 Aug 29 j 16:57	27° <u>♂</u> 28'37	
retrograde	-7075 Mar 08 j 13:07	11° <u>♂</u> 33'34			-7070 Nov 19 j 00:16	0° <u>♂</u>	
opposition	-7075 May 25 j 22:21	9° <u>♂</u> 34'15	0°16'02	evening set	-7070 Nov 26 j 17:32	0° <u>♂</u> 25'20	
min. Earth dist.	-7075 May 24 j 17:12	9° <u>♂</u> 37'10	18.99568 AU				
direct	-7075 Aug 09 j 12:09	7° <u>♂</u> 38'06		conjunction	-7070 Dec 12 j 16:08	1° <u>♂</u> 19'24	-0°07'05
evening set	-7075 Nov 06 j 20:44	10° <u>♂</u> 36'52		minimum elong	-7070 Dec 12 j 16:08	1° <u>♂</u> 19'24	0°07'18
				behind sun begin	-7070 Dec 12 j 10:04	1° <u>♂</u> 18'34	
conjunction	-7075 Nov 22 j 14:54	11° <u>♂</u> 30'53	0°12'38	behind sun end	-7070 Dec 12 j 22:12	1° <u>♂</u> 20'15	
minimum elong	-7075 Nov 22 j 14:54	11° <u>♂</u> 30'53	0°12'36	max. Earth dist.	-7070 Dec 13 j 22:25	1° <u>♂</u> 23'43	21.10376 AU
behind sun begin	-7075 Nov 22 j 10:39	11° <u>♂</u> 30'18		morning rise	-7070 Dec 28 j 19:04	2° <u>♂</u> 14'05	
behind sun end	-7075 Nov 22 j 19:09	11° <u>♂</u> 31'29		retrograde	-7069 Apr 02 j 12:32	5° <u>♂</u> 20'56	
max. Earth dist.	-7075 Nov 23 j 22:11	11° <u>♂</u> 35'23	21.01008 AU	opposition	-7069 Jun 19 j 19:35	3° <u>♂</u> 21'20	-0°10'00
morning rise	-7075 Dec 08 j 12:44	12° <u>♂</u> 25'26		min. Earth dist.	-7069 Jun 18 j 16:22	3° <u>♂</u> 24'04	19.10836 AU
retrograde	-7074 Mar 12 j 22:24	15° <u>♂</u> 33'10		direct	-7069 Sep 02 j 20:45	1° <u>♂</u> 25'26	
min. Earth dist.	-7074 May 29 j 01:04	13° <u>♂</u> 36'47	19.02416 AU	evening set	-7069 Nov 30 j 21:58	4° <u>♂</u> 21'59	
opposition	-7074 May 30 j 07:09	13° <u>♂</u> 33'47	0°11'43				
direct	-7074 Aug 13 j 20:02	11° <u>♂</u> 37'41		conjunction	-7069 Dec 16 j 21:37	5° <u>♂</u> 16'08	-0°10'57
evening set	-7074 Nov 11 j 01:03	14° <u>♂</u> 35'52		minimum elong	-7069 Dec 16 j 21:37	5° <u>♂</u> 16'08	0°11'11
				behind sun begin	-7069 Dec 16 j 16:43	5° <u>♂</u> 15'27	
conjunction	-7074 Nov 26 j 19:58	15° <u>♂</u> 29'52	0°08'45	behind sun end	-7069 Dec 17 j 02:31	5° <u>♂</u> 16'49	
minimum elong	-7074 Nov 26 j 19:58	15° <u>♂</u> 29'52	0°08'40	max. Earth dist.	-7069 Dec 18 j 03:15	5° <u>♂</u> 20'21	21.11108 AU
behind sun begin	-7074 Nov 26 j 14:15	15° <u>♂</u> 29'04		morning rise	-7068 Jan 02 j 01:33	6° <u>♂</u> 10'53	
behind sun end	-7074 Nov 27 j 01:42	15° <u>♂</u> 30'40		retrograde	-7068 Apr 05 j 21:25	9° <u>♂</u> 17'42	
max. Earth dist.	-7074 Nov 28 j 03:10	15° <u>♂</u> 34'20	21.03637 AU	min. Earth dist.	-7068 Jun 21 j 22:21	7° <u>♂</u> 20'50	19.11350 AU
morning rise	-7074 Dec 12 j 18:51	16° <u>♂</u> 24'25		opposition	-7068 Jun 23 j 01:39	7° <u>♂</u> 18'06	-0°14'16
retrograde	-7073 Mar 17 j 05:07	19° <u>♂</u> 31'52		direct	-7068 Sep 06 j 01:28	5° <u>♂</u> 22'13	
min. Earth dist.	-7073 Jun 02 j 10:29	17° <u>♂</u> 35'18	19.04851 AU	evening set	-7068 Dec 04 j 02:43	8° <u>♂</u> 18'44	
opposition	-7073 Jun 03 j 15:20	17° <u>♂</u> 32'24	0°07'23				
direct	-7073 Aug 18 j 00:37	15° <u>♂</u> 36'21		conjunction	-7068 Dec 20 j 03:18	9° <u>♂</u> 12'57	-0°14'47
evening set	-7073 Nov 15 j 05:09	18° <u>♂</u> 34'03		minimum elong	-7068 Dec 20 j 03:17	9° <u>♂</u> 12'57	0°15'03
				behind sun begin	-7068 Dec 20 j 00:56	9° <u>♂</u> 12'38	
conjunction	-7073 Dec 01 j 01:02	19° <u>♂</u> 28'02	0°04'50	behind sun end	-7068 Dec 20 j 05:38	9° <u>♂</u> 13'16	
minimum elong	-7073 Dec 01 j 01:01	19° <u>♂</u> 28'02	0°04'44	max. Earth dist.	-7068 Dec 21 j 08:01	9° <u>♂</u> 17'02	21.11395 AU
behind sun begin	-7073 Nov 30 j 18:35	19° <u>♂</u> 27'08		morning rise	-7067 Jan 05 j 08:17	10° <u>♂</u> 07'48	
behind sun end	-7073 Dec 01 j 07:28	19° <u>♂</u> 28'56		retrograde	-7067 Apr 10 j 04:18	13° <u>♂</u> 14'38	
max. Earth dist.	-7073 Dec 02 j 08:16	19° <u>♂</u> 32'30	21.05883 AU	min. Earth dist.	-7067 Jun 26 j 06:26	11° <u>♂</u> 17'35	19.11405 AU
morning rise	-7073 Dec 17 j 00:51	20° <u>♂</u> 22'35		opposition	-7067 Jun 27 j 07:48	11° <u>♂</u> 15'02	-0°18'29
retrograde	-7072 Mar 20 j 14:02	23° <u>♂</u> 29'49		direct	-7067 Sep 10 j 05:07	9° <u>♂</u> 19'10	
opposition	-7072 Jun 06 j 22:55	21° <u>♂</u> 30'17	0°03'02	evening set	-7067 Dec 08 j 07:37	12° <u>♂</u> 15'41	
min. Earth dist.	-7072 Jun 05 j 17:19	21° <u>♂</u> 33'15	19.06905 AU				
direct	-7072 Aug 21 j 07:22	19° <u>♂</u> 34'16		conjunction	-7067 Dec 24 j 09:17	13° <u>♂</u> 10'01	-0°18'33
evening set	-7072 Nov 18 j 09:15	22° <u>♂</u> 31'33		minimum elong	-7067 Dec 24 j 09:17	13° <u>♂</u> 10'01	0°18'51
				max. Earth dist.	-7067 Dec 25 j 12:58	13° <u>♂</u> 13'57	21.11218 AU
conjunction	-7072 Dec 04 j 05:55	23° <u>♂</u> 25'33	0°00'51	morning rise	-7066 Jan 09 j 15:17	14° <u>♂</u> 04'57	
minimum elong	-7072 Dec 04 j 05:55	23° <u>♂</u> 25'33	0°00'42		-7066 Jan 26 j 20:36	15° <u>♂</u>	
behind sun begin	-7072 Dec 03 j 23:19	23° <u>♂</u> 24'38		retrograde	-7066 Apr 14 j 14:01	17° <u>♂</u> 11'52	
behind sun end	-7072 Dec 04 j 12:30	23° <u>♂</u> 26'28		opposition	-7066 Jul 01 j 13:41	15° <u>♂</u> 12'15	-0°22'36
max. Earth dist.	-7072 Dec 05 j 12:54	23° <u>♂</u> 29'58	21.07741 AU	min. Earth dist.	-7066 Jun 30 j 12:41	15° <u>♂</u> 14'47	19.10966 AU
morning rise	-7072 Dec 20 j 06:45	24° <u>♂</u> 20'07			-7066 Jul 06 j 15:17	15° <u>♂</u>	
desc. node	-7071 Feb 21 j 08:09	27° <u>♂</u> 03'24		direct	-7066 Sep 14 j 09:50	13° <u>♂</u> 16'21	
retrograde	-7071 Mar 24 j 20:46	27° <u>♂</u> 27'11			-7066 Nov 19 j 04:37	15° <u>♂</u>	
min. Earth dist.	-7071 Jun 10 j 01:53	25° <u>♂</u> 30'27	19.08586 AU	evening set	-7066 Dec 12 j 13:12	16° <u>♂</u> 13'00	
opposition	-7071 Jun 11 j 06:11	25° <u>♂</u> 27'36	-0°01'20				
direct	-7071 Aug 25 j 11:23	23° <u>♂</u> 31'38		conjunction	-7066 Dec 28 j 15:50	17° <u>♂</u> 07'26	-0°22'15
evening set	-7071 Nov 22 j 13:17	26° <u>♂</u> 28'35		minimum elong	-7066 Dec 28 j 15:49	17° <u>♂</u> 07'26	0°22'33
				max. Earth dist.	-7066 Dec 29 j 18:06	17° <u>♂</u> 11'10	21.10502 AU
conjunction	-7071 Dec 08 j 10:59	27° <u>♂</u> 22'37	-0°03'11	morning rise	-7065 Jan 13 j 22:53	18° <u>♂</u> 02'30	
minimum elong	-7071 Dec 08 j 10:59	27° <u>♂</u> 22'36	0°03'21	retrograde	-7065 Apr 18 j 20:51	21° <u>♂</u> 09'29	
behind sun begin	-7071 Dec 08 j 04:25	27° <u>♂</u> 21'42		opposition	-7065 Jul 05 j 19:27	19° <u>♂</u> 09'52	-0°26'38

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Attention, astronomical year style is used: The year -7065 in astronomical counting style is the year 7066 BCE in historical counting style.

min. Earth dist.	-7065 Jul 04 j 20:51	19° $\overline{\text{M}}$.12'09	19.09975 AU	conjunction	-7058 Jan 26 j 01:46	15° $\overline{\text{X}}$ 03'48	-0°44'15
direct	-7065 Sep 18 j 13:12	17° $\overline{\text{M}}$.13'53		minimum elong	-7058 Jan 26 j 01:46	15° $\overline{\text{X}}$ 03'48	0°44'42
evening set	-7065 Dec 16 j 19:07	20° $\overline{\text{M}}$.10'43		max. Earth dist.	-7058 Jan 26 j 15:32	15° $\overline{\text{X}}$ 05'45	20.90699 AU
				morning rise	-7058 Feb 11 j 15:29	16° $\overline{\text{X}}$ 00'01	
conjunction	-7064 Jan 01 j 22:51	21° $\overline{\text{M}}$.05'17	-0°25'50	retrograde	-7058 May 17 j 11:51	19° $\overline{\text{X}}$ 08'24	
minimum elong	-7064 Jan 01 j 22:51	21° $\overline{\text{M}}$.05'17	0°26'10	opposition	-7058 Aug 02 j 11:04	17° $\overline{\text{X}}$ 07'59	-0°50'23
max. Earth dist.	-7064 Jan 02 j 23:27	21° $\overline{\text{M}}$.08'46	21.09234 AU	min. Earth dist.	-7058 Aug 01 j 23:21	17° $\overline{\text{X}}$ 09'11	18.88535 AU
morning rise	-7064 Jan 18 j 06:53	22° $\overline{\text{M}}$.00'29		direct	-7058 Oct 16 j 00:08	15° $\overline{\text{X}}$ 10'22	
retrograde	-7064 Apr 22 j 07:06	25° $\overline{\text{M}}$.07'35		evening set	-7057 Jan 14 j 01:22	18° $\overline{\text{X}}$ 10'24	
min. Earth dist.	-7064 Jul 08 j 03:17	23° $\overline{\text{M}}$.10'07	19.08410 AU				
opposition	-7064 Jul 09 j 01:09	23° $\overline{\text{M}}$.07'54	-0°30'32	conjunction	-7057 Jan 30 j 12:18	19° $\overline{\text{X}}$ 06'19	-0°46'41
direct	-7064 Sep 21 j 18:29	21° $\overline{\text{M}}$.11'48		minimum elong	-7057 Jan 30 j 12:17	19° $\overline{\text{X}}$ 06'19	0°47'08
evening set	-7064 Dec 20 j 01:22	24° $\overline{\text{M}}$.08'52		max. Earth dist.	-7057 Jan 31 j 00:22	19° $\overline{\text{X}}$ 08'02	20.86257 AU
				morning rise	-7057 Feb 16 j 02:46	20° $\overline{\text{X}}$ 02'44	
conjunction	-7063 Jan 05 j 06:05	25° $\overline{\text{M}}$.03'36	-0°29'18	retrograde	-7057 May 21 j 21:05	23° $\overline{\text{X}}$ 11'27	
minimum elong	-7063 Jan 05 j 06:04	25° $\overline{\text{M}}$.03'36	0°29'39	opposition	-7057 Aug 06 j 17:05	21° $\overline{\text{X}}$ 10'56	-0°52'57
max. Earth dist.	-7063 Jan 06 j 05:00	25° $\overline{\text{M}}$.06'51	21.07370 AU	min. Earth dist.	-7057 Aug 06 j 07:45	21° $\overline{\text{X}}$ 11'54	18.83953 AU
morning rise	-7063 Jan 21 j 15:06	25° $\overline{\text{M}}$.58'56		direct	-7057 Oct 20 j 05:43	19° $\overline{\text{X}}$ 13'03	
retrograde	-7063 Apr 26 j 14:01	29° $\overline{\text{M}}$.06'11		evening set	-7056 Jan 18 j 11:34	22° $\overline{\text{X}}$ 13'51	
min. Earth dist.	-7063 Jul 12 j 11:32	27° $\overline{\text{M}}$.08'23	19.06259 AU				
opposition	-7063 Jul 13 j 06:55	27° $\overline{\text{M}}$.06'25	-0°34'18	conjunction	-7056 Feb 03 j 23:27	23° $\overline{\text{X}}$ 10'00	-0°48'53
direct	-7063 Sep 25 j 21:43	25° $\overline{\text{M}}$.10'09		minimum elong	-7056 Feb 03 j 23:27	23° $\overline{\text{X}}$ 10'00	0°49'20
evening set	-7063 Dec 24 j 08:04	28° $\overline{\text{M}}$.07'31		max. Earth dist.	-7056 Feb 04 j 09:13	23° $\overline{\text{X}}$ 11'24	20.81553 AU
				morning rise	-7056 Feb 20 j 14:45	24° $\overline{\text{X}}$ 06'39	
conjunction	-7062 Jan 09 j 13:53	29° $\overline{\text{M}}$.02'24	-0°32'38	retrograde	-7056 May 25 j 07:47	27° $\overline{\text{X}}$ 15'45	
minimum elong	-7062 Jan 09 j 13:53	29° $\overline{\text{M}}$.02'24	0°33'01	opposition	-7056 Aug 09 j 23:26	25° $\overline{\text{X}}$ 15'09	-0°55'16
max. Earth dist.	-7062 Jan 10 j 10:57	29° $\overline{\text{M}}$.05'23	21.04958 AU	min. Earth dist.	-7056 Aug 09 j 15:09	25° $\overline{\text{X}}$ 16'01	18.79116 AU
morning rise	-7062 Jan 25 j 23:55	29° $\overline{\text{M}}$.57'53		direct	-7056 Oct 23 j 12:11	23° $\overline{\text{X}}$ 16'58	
	-7062 Jan 26 j 15:13	0° $\overline{\text{X}}$		evening set	-7055 Jan 21 j 22:23	26° $\overline{\text{X}}$ 18'38	
retrograde	-7062 May 01 j 00:09	3° $\overline{\text{X}}$ 05'18					
opposition	-7062 Jul 17 j 12:26	1° $\overline{\text{X}}$ 05'25	-0°37'54	conjunction	-7055 Feb 07 j 11:13	27° $\overline{\text{X}}$ 15'02	-0°50'52
min. Earth dist.	-7062 Jul 16 j 17:59	1° $\overline{\text{X}}$ 07'17	19.03575 AU	minimum elong	-7055 Feb 07 j 11:13	27° $\overline{\text{X}}$ 15'02	0°51'20
	-7062 Aug 14 j 21:25	30° $\overline{\text{R}}$ $\overline{\text{M}}$		max. Earth dist.	-7055 Feb 07 j 19:22	27° $\overline{\text{X}}$ 16'12	20.76579 AU
direct	-7062 Sep 30 j 03:49	29° $\overline{\text{M}}$.08'55		morning rise	-7055 Feb 24 j 03:10	28° $\overline{\text{X}}$ 11'54	
	-7062 Nov 14 j 05:11	0° $\overline{\text{X}}$			-7055 Mar 31 j 20:01	0° $\overline{\text{Z}}$	
evening set	-7062 Dec 28 j 15:18	2° $\overline{\text{X}}$ 06'40		retrograde	-7055 May 29 j 18:11	1° $\overline{\text{Z}}$ 21'25	
					-7055 Jul 29 j 06:12	30° $\overline{\text{R}}$ $\overline{\text{X}}$	
conjunction	-7061 Jan 13 j 22:09	3° $\overline{\text{X}}$ 01'44	-0°35'48	opposition	-7055 Aug 14 j 06:15	29° $\overline{\text{X}}$ 20'47	-0°57'20
minimum elong	-7061 Jan 13 j 22:09	3° $\overline{\text{X}}$ 01'44	0°36'12	min. Earth dist.	-7055 Aug 14 j 00:22	29° $\overline{\text{X}}$ 21'23	18.74012 AU
max. Earth dist.	-7061 Jan 14 j 17:29	3° $\overline{\text{X}}$ 04'28	21.02016 AU	direct	-7055 Oct 27 j 18:38	27° $\overline{\text{X}}$ 22'19	
morning rise	-7061 Jan 30 j 09:10	3° $\overline{\text{X}}$ 57'23			-7054 Jan 18 j 21:40	0° $\overline{\text{Z}}$	
retrograde	-7061 May 05 j 07:32	7° $\overline{\text{X}}$ 04'58		evening set	-7054 Jan 26 j 10:15	0° $\overline{\text{Z}}$ 24'54	
opposition	-7061 Jul 21 j 18:04	5° $\overline{\text{X}}$ 04'57	-0°41'19				
min. Earth dist.	-7061 Jul 21 j 02:08	5° $\overline{\text{X}}$ 06'35	19.00393 AU	conjunction	-7054 Feb 11 j 23:59	1° $\overline{\text{Z}}$ 21'34	-0°52'35
direct	-7061 Oct 04 j 07:21	3° $\overline{\text{X}}$ 08'12		minimum elong	-7054 Feb 11 j 23:59	1° $\overline{\text{Z}}$ 21'34	0°53'04
evening set	-7060 Jan 01 j 22:57	6° $\overline{\text{X}}$ 06'24		max. Earth dist.	-7054 Feb 12 j 05:28	1° $\overline{\text{Z}}$ 22'21	20.71358 AU
				morning rise	-7054 Feb 28 j 16:42	2° $\overline{\text{Z}}$ 18'40	
conjunction	-7060 Jan 18 j 06:51	7° $\overline{\text{X}}$ 01'39	-0°38'48	retrograde	-7054 Jun 03 j 06:13	5° $\overline{\text{Z}}$ 28'39	
minimum elong	-7060 Jan 18 j 06:51	7° $\overline{\text{X}}$ 01'39	0°39'14	opposition	-7054 Aug 18 j 13:16	3° $\overline{\text{Z}}$ 27'57	-0°59'07
max. Earth dist.	-7060 Jan 19 j 00:15	7° $\overline{\text{X}}$ 04'07	20.98623 AU	min. Earth dist.	-7054 Aug 18 j 08:51	3° $\overline{\text{Z}}$ 28'24	18.68653 AU
morning rise	-7060 Feb 03 j 18:47	7° $\overline{\text{X}}$ 57'29		direct	-7054 Nov 01 j 02:23	1° $\overline{\text{Z}}$ 29'10	
retrograde	-7060 May 08 j 17:28	11° $\overline{\text{X}}$ 05'18		evening set	-7053 Jan 30 j 23:06	4° $\overline{\text{Z}}$ 32'47	
opposition	-7060 Jul 24 j 23:31	9° $\overline{\text{X}}$ 05'08	-0°44'33				
min. Earth dist.	-7060 Jul 24 j 08:31	9° $\overline{\text{X}}$ 06'41	18.96791 AU	conjunction	-7053 Feb 16 j 13:45	5° $\overline{\text{Z}}$ 29'44	-0°54'03
direct	-7060 Oct 07 j 13:40	7° $\overline{\text{X}}$ 08'07		minimum elong	-7053 Feb 16 j 13:45	5° $\overline{\text{Z}}$ 29'44	0°54'32
evening set	-7059 Jan 05 j 07:10	10° $\overline{\text{X}}$ 06'51		max. Earth dist.	-7053 Feb 16 j 17:21	5° $\overline{\text{Z}}$ 30'15	20.65850 AU
				morning rise	-7053 Mar 05 j 06:59	6° $\overline{\text{Z}}$ 27'04	
conjunction	-7059 Jan 21 j 16:03	11° $\overline{\text{X}}$ 02'18	-0°41'38	retrograde	-7053 Jun 07 j 17:42	9° $\overline{\text{Z}}$ 37'31	
minimum elong	-7059 Jan 21 j 16:03	11° $\overline{\text{X}}$ 02'18	0°42'04	opposition	-7053 Aug 22 j 20:58	7° $\overline{\text{Z}}$ 36'47	-1°00'36
max. Earth dist.	-7059 Jan 22 j 07:50	11° $\overline{\text{X}}$ 04'33	20.94824 AU	min. Earth dist.	-7053 Aug 22 j 19:12	7° $\overline{\text{Z}}$ 36'58	18.62996 AU
morning rise	-7059 Feb 07 j 04:50	11° $\overline{\text{X}}$ 58'19		direct	-7053 Nov 05 j 09:39	5° $\overline{\text{Z}}$ 37'42	
retrograde	-7059 May 13 j 01:37	15° $\overline{\text{X}}$ 06'23		evening set	-7052 Feb 04 j 12:51	8° $\overline{\text{Z}}$ 42'22	
opposition	-7059 Jul 29 j 05:16	13° $\overline{\text{X}}$ 06'06	-0°47'34				
min. Earth dist.	-7059 Jul 28 j 16:37	13° $\overline{\text{X}}$ 07'24	18.92819 AU	conjunction	-7052 Feb 21 j 04:13	9° $\overline{\text{Z}}$ 39'35	-0°55'15
direct	-7059 Oct 11 j 18:02	11° $\overline{\text{X}}$ 08'48		minimum elong	-7052 Feb 21 j 04:13	9° $\overline{\text{Z}}$ 39'35	0°55'44
evening set	-7058 Jan 09 j 15:49	14° $\overline{\text{X}}$ 08'07		max. Earth dist.	-7052 Feb 21 j 04:41	9° $\overline{\text{Z}}$ 39'39	20.60047 AU
				morning rise	-7052 Mar 08 j 22:05	10° $\overline{\text{Z}}$ 37'10	

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Attention, astronomical year style is used: The year -7052 in astronomical counting style is the year 7053 BCE in historical counting style.

retrograde	-7052 Jun 11 j 07:18	13° Z 48'08		evening set	-7045 Mar 07 j 14:16	8° Z 37'42	
opposition	-7052 Aug 26 j 05:06	11° Z 47'20	-1°01'47				
min. Earth dist.	-7052 Aug 26 j 05:06	11° Z 47'20	18.57037 AU	conjunction	-7045 Mar 24 j 10:00	9° Z 37'00	-0°55'01
direct	-7052 Nov 08 j 19:01	9° Z 47'54		minimum elong	-7045 Mar 24 j 10:00	9° Z 37'00	0°55'25
evening set	-7051 Feb 08 j 03:30	12° Z 53'41		max. Earth dist.	-7045 Mar 23 j 17:40	9° Z 34'35	20.12377 AU
				morning rise	-7045 Apr 10 j 05:40	10° Z 36'20	
conjunction	-7051 Feb 24 j 19:44	13° Z 51'12	-0°56'09	retrograde	-7045 Jul 12 j 16:24	13° Z 50'59	
minimum elong	-7051 Feb 24 j 19:44	13° Z 51'12	0°56'37	opposition	-7045 Sep 25 j 06:43	11° Z 49'18	-1°00'27
max. Earth dist.	-7051 Feb 24 j 18:13	13° Z 50'58	20.53919 AU	min. Earth dist.	-7045 Sep 25 j 21:22	11° Z 47'44	18.08835 AU
morning rise	-7051 Mar 13 j 13:57	14° Z 49'01		direct	-7045 Dec 09 j 04:45	9° Z 46'46	
retrograde	-7051 Jun 15 j 19:56	18° Z 00'30		evening set	-7044 Mar 11 j 11:03	13° Z 01'17	
opposition	-7051 Aug 30 j 13:52	15° Z 59'37	-1°02'38	max. Earth dist.	-7044 Mar 27 j 11:25	13° Z 57'58	20.05292 AU
min. Earth dist.	-7051 Aug 30 j 16:32	15° Z 59'20	18.50751 AU				
direct	-7051 Nov 13 j 03:42	13° Z 59'48		conjunction	-7044 Mar 28 j 06:53	14° Z 00'51	-0°53'42
evening set	-7050 Feb 12 j 19:07	17° Z 06'43		minimum elong	-7044 Mar 28 j 06:53	14° Z 00'51	0°54'04
					-7044 Apr 13 j 23:36	15° Z	
conjunction	-7050 Mar 01 j 12:01	18° Z 04'31	-0°56'45	morning rise	-7044 Apr 14 j 02:40	15° Z 00'27	
minimum elong	-7050 Mar 01 j 12:01	18° Z 04'31	0°57'13	retrograde	-7044 Jul 16 j 09:56	18° Z 15'41	
max. Earth dist.	-7050 Mar 01 j 06:59	18° Z 03'47	20.47486 AU	opposition	-7044 Sep 28 j 19:56	16° Z 13'53	-0°58'50
morning rise	-7050 Mar 18 j 06:51	19° Z 02'37		min. Earth dist.	-7044 Sep 29 j 12:20	16° Z 12'07	18.01823 AU
retrograde	-7050 Jun 20 j 10:35	22° Z 14'36			-7044 Oct 29 j 11:15	15° Z	
opposition	-7050 Sep 03 j 23:12	20° Z 13'36	-1°03'09	direct	-7044 Dec 12 j 19:41	14° Z 10'55	
min. Earth dist.	-7050 Sep 04 j 03:50	20° Z 13'06	18.44167 AU		-7043 Jan 25 j 13:13	15° Z	
direct	-7050 Nov 17 j 14:36	18° Z 13'21		evening set	-7043 Mar 16 j 08:37	17° Z 26'48	
evening set	-7049 Feb 17 j 11:40	21° Z 21'28		max. Earth dist.	-7043 Apr 01 j 08:40	18° Z 23'39	19.98347 AU
conjunction	-7049 Mar 06 j 05:20	22° Z 19'34	-0°57'03	conjunction	-7043 Apr 02 j 04:51	18° Z 26'40	-0°52'04
minimum elong	-7049 Mar 06 j 05:20	22° Z 19'34	0°57'30	minimum elong	-7043 Apr 02 j 04:52	18° Z 26'40	0°52'25
max. Earth dist.	-7049 Mar 05 j 22:24	22° Z 18'34	20.40754 AU	morning rise	-7043 Apr 19 j 00:21	19° Z 26'29	
morning rise	-7049 Mar 23 j 00:21	23° Z 17'55		retrograde	-7043 Jul 21 j 04:21	22° Z 42'18	
retrograde	-7049 Jun 25 j 00:30	26° Z 30'24		opposition	-7043 Oct 03 j 09:48	20° Z 40'25	-0°56'51
opposition	-7049 Sep 08 j 09:03	24° Z 29'17	-1°03'19	min. Earth dist.	-7043 Oct 04 j 03:26	20° Z 38'31	17.94963 AU
min. Earth dist.	-7049 Sep 08 j 16:11	24° Z 28'31	18.37310 AU	direct	-7043 Dec 17 j 10:40	18° Z 37'04	
direct	-7049 Nov 22 j 01:11	22° Z 28'36		evening set	-7042 Mar 21 j 07:18	21° Z 54'20	
evening set	-7048 Feb 22 j 05:06	25° Z 37'56		max. Earth dist.	-7042 Apr 06 j 04:18	22° Z 51'00	19.91587 AU
conjunction	-7048 Mar 09 j 23:15	26° Z 36'19	-0°57'01	conjunction	-7042 Apr 07 j 03:31	22° Z 54'29	-0°50'06
minimum elong	-7048 Mar 09 j 23:15	26° Z 36'19	0°57'28	minimum elong	-7042 Apr 07 j 03:31	22° Z 54'29	0°50'26
max. Earth dist.	-7048 Mar 09 j 12:48	26° Z 34'47	20.33807 AU	morning rise	-7042 Apr 23 j 22:56	23° Z 54'32	
morning rise	-7048 Mar 26 j 18:43	27° Z 34'55		retrograde	-7042 Jul 25 j 23:21	27° Z 10'56	
	-7048 May 15 j 23:36	0° Z		opposition	-7042 Oct 08 j 00:40	25° Z 09'01	-0°54'31
retrograde	-7048 Jun 28 j 15:48	0° Z 47'56		min. Earth dist.	-7042 Oct 08 j 20:09	25° Z 06'54	17.88311 AU
	-7048 Aug 11 j 22:09	30° Z		direct	-7042 Dec 22 j 03:23	23° Z 05'18	
opposition	-7048 Sep 11 j 19:30	28° Z 46'40	-1°03'09	evening set	-7041 Mar 26 j 06:41	26° Z 23'57	
min. Earth dist.	-7048 Sep 12 j 04:33	28° Z 45'42	18.30283 AU	max. Earth dist.	-7041 Apr 11 j 03:16	27° Z 20'47	19.85033 AU
direct	-7048 Nov 25 j 13:19	26° Z 45'30					
evening set	-7047 Feb 25 j 23:07	29° Z 56'05		conjunction	-7041 Apr 12 j 03:04	27° Z 24'22	-0°47'49
	-7047 Feb 27 j 02:27	0° Z		minimum elong	-7041 Apr 12 j 03:04	27° Z 24'22	0°48'07
				morning rise	-7041 Apr 28 j 22:00	28° Z 24'38	
conjunction	-7047 Mar 14 j 17:58	0° Z 54'47	-0°56'41		-7041 May 28 j 01:46	0° Z	
minimum elong	-7047 Mar 14 j 17:58	0° Z 54'47	0°57'07	retrograde	-7041 Jul 30 j 18:54	1° Z 41'38	
max. Earth dist.	-7047 Mar 14 j 06:08	0° Z 53'02	20.26707 AU		-7041 Oct 04 j 20:23	30° Z	
morning rise	-7047 Mar 31 j 13:30	1° Z 53'37		opposition	-7041 Oct 12 j 16:16	29° Z 39'42	-0°51'49
retrograde	-7047 Jul 03 j 07:10	5° Z 07'11		min. Earth dist.	-7041 Oct 13 j 12:41	29° Z 37'29	17.81859 AU
opposition	-7047 Sep 16 j 06:37	3° Z 05'46	-1°02'36	direct	-7041 Dec 26 j 20:34	27° Z 35'41	
min. Earth dist.	-7047 Sep 16 j 17:44	3° Z 04'34	18.23136 AU		-7040 Mar 13 j 23:37	0° Z	
direct	-7047 Nov 30 j 01:35	1° Z 04'08		evening set	-7040 Mar 30 j 07:05	0° Z 55'42	
evening set	-7046 Mar 02 j 18:19	4° Z 16'00		max. Earth dist.	-7040 Apr 15 j 00:43	1° Z 52'22	19.78692 AU
conjunction	-7046 Mar 19 j 13:30	5° Z 14'59	-0°56'01	conjunction	-7040 Apr 16 j 03:14	1° Z 56'23	-0°45'13
minimum elong	-7046 Mar 19 j 13:30	5° Z 14'59	0°56'25	minimum elong	-7040 Apr 16 j 03:15	1° Z 56'23	0°45'30
max. Earth dist.	-7046 Mar 18 j 22:14	5° Z 12'44	20.19542 AU	morning rise	-7040 May 02 j 21:52	2° Z 56'51	
morning rise	-7046 Apr 05 j 09:20	6° Z 14'05		retrograde	-7040 Aug 03 j 14:44	6° Z 14'27	
retrograde	-7046 Jul 07 j 23:25	9° Z 28'11		opposition	-7040 Oct 16 j 08:52	4° Z 12'30	-0°48'47
opposition	-7046 Sep 20 j 18:14	7° Z 26'37	-1°01'43	min. Earth dist.	-7040 Oct 17 j 07:19	4° Z 10'03	17.75636 AU
min. Earth dist.	-7046 Sep 21 j 07:16	7° Z 25'13	18.15970 AU	direct	-7040 Dec 30 j 15:03	2° Z 08'10	
direct	-7046 Dec 04 j 15:03	5° Z 24'31		evening set	-7039 Apr 04 j 08:06	5° Z 29'33	

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Attention, astronomical year style is used: The year -7039 in astronomical counting style is the year 7040 BCE in historical counting style.

max. Earth dist.	-7039 Apr 20 j 01:04	6° \mathbf{X} 26'20	19.72568 AU	opposition	-7033 Nov 18 j 04:59	6° \mathbf{Y} 50'48	-0°19'15
				min. Earth dist.	-7033 Nov 19 j 09:26	6° \mathbf{Y} 47'41	17.38904 AU
conjunction	-7039 Apr 21 j 04:15	6° \mathbf{X} 30'28	-0°42'19	direct	-7032 Feb 02 j 08:10	4° \mathbf{Y} 44'23	
minimum elong	-7039 Apr 21 j 04:15	6° \mathbf{X} 30'28	0°42'32	evening set	-7032 May 08 j 09:15	8° \mathbf{Y} 13'25	
morning rise	-7039 May 07 j 22:18	7° \mathbf{X} 31'07		max. Earth dist.	-7032 May 23 j 15:38	9° \mathbf{Y} 10'07	19.36945 AU
retrograde	-7039 Aug 08 j 11:38	10° \mathbf{X} 49'17					
opposition	-7039 Oct 21 j 02:19	8° \mathbf{X} 47'20	-0°45'24	conjunction	-7032 May 25 j 01:14	9° \mathbf{Y} 15'22	-0°14'59
min. Earth dist.	-7039 Oct 22 j 01:29	8° \mathbf{X} 44'49	17.69605 AU	minimum elong	-7032 May 25 j 01:14	9° \mathbf{Y} 15'22	0°14'58
direct	-7038 Jan 04 j 11:18	6° \mathbf{X} 42'43		behind sun begin	-7032 May 24 j 22:57	9° \mathbf{Y} 15'01	
evening set	-7038 Apr 09 j 10:15	10° \mathbf{X} 05'25		behind sun end	-7032 May 25 j 03:32	9° \mathbf{Y} 15'43	
max. Earth dist.	-7038 Apr 25 j 00:20	11° \mathbf{X} 02'01	19.66630 AU	morning rise	-7032 Jun 10 j 13:12	10° \mathbf{Y} 16'46	
				retrograde	-7032 Sep 09 j 23:54	13° \mathbf{Y} 37'50	
conjunction	-7038 Apr 26 j 05:58	11° \mathbf{X} 06'32	-0°39'07	opposition	-7032 Nov 22 j 04:02	11° \mathbf{Y} 35'31	-0°14'11
minimum elong	-7038 Apr 26 j 05:59	11° \mathbf{X} 06'32	0°39'19	min. Earth dist.	-7032 Nov 23 j 09:28	11° \mathbf{Y} 32'18	17.35221 AU
morning rise	-7038 May 12 j 23:27	12° \mathbf{X} 07'22		direct	-7031 Feb 06 j 08:47	9° \mathbf{Y} 28'52	
retrograde	-7038 Aug 13 j 07:59	15° \mathbf{X} 26'05		evening set	-7031 May 13 j 14:02	12° \mathbf{Y} 58'40	
opposition	-7038 Oct 25 j 20:44	13° \mathbf{X} 24'06	-0°41'41	max. Earth dist.	-7031 May 28 j 18:54	13° \mathbf{Y} 55'18	19.33552 AU
min. Earth dist.	-7038 Oct 26 j 22:06	13° \mathbf{X} 21'20	17.63778 AU				
direct	-7037 Jan 09 j 08:01	11° \mathbf{X} 19'10		conjunction	-7031 May 30 j 04:58	14° \mathbf{Y} 00'39	-0°10'25
evening set	-7037 Apr 14 j 12:58	14° \mathbf{X} 43'08		minimum elong	-7031 May 30 j 04:57	14° \mathbf{Y} 00'39	0°10'20
max. Earth dist.	-7037 Apr 30 j 01:55	15° \mathbf{X} 39'47	19.60907 AU	behind sun begin	-7031 May 29 j 23:40	13° \mathbf{Y} 59'50	
				behind sun end	-7031 May 30 j 10:15	14° \mathbf{Y} 01'27	
conjunction	-7037 May 01 j 08:22	15° \mathbf{X} 44'28	-0°35'39	morning rise	-7031 Jun 15 j 15:57	15° \mathbf{Y} 02'04	
minimum elong	-7037 May 01 j 08:22	15° \mathbf{X} 44'28	0°35'48	retrograde	-7031 Sep 15 j 00:39	18° \mathbf{Y} 23'23	
morning rise	-7037 May 18 j 01:07	16° \mathbf{X} 45'26		opposition	-7031 Nov 27 j 03:40	16° \mathbf{Y} 21'02	-0°09'01
retrograde	-7037 Aug 18 j 06:11	20° \mathbf{X} 04'39		min. Earth dist.	-7031 Nov 28 j 07:59	16° \mathbf{Y} 17'56	17.32123 AU
opposition	-7037 Oct 30 j 16:02	18° \mathbf{X} 02'38	-0°37'41	direct	-7030 Feb 11 j 11:48	14° \mathbf{Y} 14'13	
min. Earth dist.	-7037 Oct 31 j 17:42	17° \mathbf{X} 59'50	17.58164 AU	evening set	-7030 May 18 j 18:51	17° \mathbf{Y} 44'40	
direct	-7036 Jan 14 j 07:01	15° \mathbf{X} 57'24		max. Earth dist.	-7030 Jun 03 j 00:18	18° \mathbf{Y} 41'33	19.30757 AU
evening set	-7036 Apr 18 j 16:09	19° \mathbf{X} 22'32					
max. Earth dist.	-7036 May 04 j 02:57	20° \mathbf{X} 19'06	19.55410 AU	conjunction	-7030 Jun 04 j 08:49	18° \mathbf{Y} 46'40	-0°05'46
				minimum elong	-7030 Jun 04 j 08:49	18° \mathbf{Y} 46'40	0°05'40
conjunction	-7036 May 05 j 11:02	20° \mathbf{X} 24'02	-0°31'55	behind sun begin	-7030 Jun 04 j 02:22	18° \mathbf{Y} 45'40	
minimum elong	-7036 May 05 j 11:02	20° \mathbf{X} 24'02	0°32'02	behind sun end	-7030 Jun 04 j 15:17	18° \mathbf{Y} 47'39	
morning rise	-7036 May 22 j 02:58	21° \mathbf{X} 25'08		morning rise	-7030 Jun 20 j 18:25	19° \mathbf{Y} 48'04	
retrograde	-7036 Aug 22 j 03:17	24° \mathbf{X} 44'49		retrograde	-7030 Sep 20 j 00:04	23° \mathbf{Y} 09'36	
opposition	-7036 Nov 03 j 12:15	22° \mathbf{X} 42'45	-0°33'25	opposition	-7030 Dec 02 j 04:05	21° \mathbf{Y} 07'16	-0°03'46
min. Earth dist.	-7036 Nov 04 j 15:53	22° \mathbf{X} 39'44	17.52812 AU	min. Earth dist.	-7030 Dec 03 j 08:41	21° \mathbf{Y} 04'08	17.29651 AU
direct	-7035 Jan 18 j 05:25	20° \mathbf{X} 37'11		direct	-7029 Feb 16 j 13:51	19° \mathbf{Y} 00'21	
evening set	-7035 Apr 23 j 19:56	24° \mathbf{X} 03'26		evening set	-7029 May 23 j 23:47	22° \mathbf{Y} 31'21	
max. Earth dist.	-7035 May 09 j 05:21	25° \mathbf{X} 00'00	19.50210 AU	max. Earth dist.	-7029 Jun 08 j 03:45	23° \mathbf{Y} 28'10	19.28625 AU
conjunction	-7035 May 10 j 14:15	25° \mathbf{X} 05'05	-0°27'57	conjunction	-7029 Jun 09 j 12:28	23° \mathbf{Y} 33'19	-0°01'00
minimum elong	-7035 May 10 j 14:15	25° \mathbf{X} 05'05	0°28'04	minimum elong	-7029 Jun 09 j 12:28	23° \mathbf{Y} 33'19	0°00'51
morning rise	-7035 May 27 j 05:24	26° \mathbf{X} 06'18		behind sun begin	-7029 Jun 09 j 05:45	23° \mathbf{Y} 32'17	
retrograde	-7035 Aug 27 j 02:51	29° \mathbf{X} 26'23		behind sun end	-7029 Jun 09 j 19:10	23° \mathbf{Y} 34'21	
opposition	-7035 Nov 08 j 08:57	27° \mathbf{X} 24'15	-0°28'54	morning rise	-7029 Jun 25 j 20:59	24° \mathbf{Y} 34'41	
min. Earth dist.	-7035 Nov 09 j 12:29	27° \mathbf{X} 21'15	17.47770 AU	asc. node	-7029 Aug 25 j 19:35	27° \mathbf{Y} 30'42	
direct	-7034 Jan 23 j 06:28	25° \mathbf{X} 18'23		retrograde	-7029 Sep 25 j 00:57	27° \mathbf{Y} 56'26	
evening set	-7034 Apr 29 j 00:12	28° \mathbf{X} 45'40		opposition	-7029 Dec 07 j 04:59	25° \mathbf{Y} 54'08	0°01'31
max. Earth dist.	-7034 May 14 j 08:17	29° \mathbf{X} 42'14	19.45345 AU	min. Earth dist.	-7029 Dec 08 j 08:11	25° \mathbf{Y} 51'10	17.27858 AU
				direct	-7028 Feb 21 j 17:20	23° \mathbf{Y} 47'12	
conjunction	-7034 May 15 j 17:51	29° \mathbf{X} 47'27	-0°23'48	evening set	-7028 May 28 j 04:20	27° \mathbf{Y} 18'38	
minimum elong	-7034 May 15 j 17:51	29° \mathbf{X} 47'27	0°23'51	max. Earth dist.	-7028 Jun 12 j 09:31	28° \mathbf{Y} 15'46	19.27165 AU
	-7034 May 19 j 02:48	0° \mathbf{Y}					
morning rise	-7034 Jun 01 j 07:58	0° \mathbf{Y} 48'45		conjunction	-7028 Jun 13 j 16:00	28° \mathbf{Y} 20'34	0°03'50
retrograde	-7034 Sep 01 j 00:43	4° \mathbf{Y} 09'11		minimum elong	-7028 Jun 13 j 16:00	28° \mathbf{Y} 20'34	0°04'01
opposition	-7034 Nov 13 j 06:42	2° \mathbf{Y} 07'00	-0°24'10	behind sun begin	-7028 Jun 13 j 09:22	28° \mathbf{Y} 19'33	
min. Earth dist.	-7034 Nov 14 j 11:50	2° \mathbf{Y} 03'49	17.43111 AU	behind sun end	-7028 Jun 13 j 22:37	28° \mathbf{Y} 21'35	
direct	-7033 Jan 28 j 05:56	0° \mathbf{Y} 00'50		morning rise	-7028 Jun 29 j 23:06	29° \mathbf{Y} 21'52	
evening set	-7033 May 04 j 04:38	3° \mathbf{Y} 29'03			-7028 Jul 10 j 11:46	0° \mathbf{Y}	
max. Earth dist.	-7033 May 19 j 11:14	4° \mathbf{Y} 25'36	19.40905 AU	retrograde	-7028 Sep 29 j 01:12	2° \mathbf{Y} 43'47	
				opposition	-7028 Dec 11 j 06:31	0° \mathbf{Y} 41'34	0°06'48
conjunction	-7033 May 20 j 21:25	4° \mathbf{Y} 30'55	-0°19'28	min. Earth dist.	-7028 Dec 12 j 09:23	0° \mathbf{Y} 38'38	17.26721 AU
minimum elong	-7033 May 20 j 21:25	4° \mathbf{Y} 30'55	0°19'29		-7028 Dec 27 j 11:08	30° \mathbf{Y}	
morning rise	-7033 Jun 06 j 10:36	5° \mathbf{Y} 32'17		direct	-7027 Feb 25 j 20:57	28° \mathbf{Y} 34'41	
retrograde	-7033 Sep 06 j 01:13	8° \mathbf{Y} 53'04			-7027 Apr 25 j 02:52	0° \mathbf{Y}	

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Attention, astronomical year style is used: The year -7027 in astronomical counting style is the year 7028 BCE in historical counting style.

evening set	-7027 Jun 02 j 09:06	2°806'27		min. Earth dist.	-7021 Jan 10 j 18:55	29°826'54	17.31955 AU
				direct	-7021 Mar 28 j 03:16	27°822'57	
conjunction	-7027 Jun 18 j 19:20	3°808'18	0°08'33		-7021 Jun 17 j 05:20	0°II	
minimum elong	-7027 Jun 18 j 19:21	3°808'19	0°08'45	evening set	-7021 Jul 02 j 05:35	0°II53'58	
behind sun begin	-7027 Jun 18 j 13:33	3°807'25		max. Earth dist.	-7021 Jul 17 j 11:08	1°II51'32	19.33166 AU
behind sun end	-7027 Jun 19 j 01:08	3°809'12					
max. Earth dist.	-7027 Jun 17 j 12:53	3°803'30	19.26360 AU	conjunction	-7021 Jul 18 j 07:44	1°II54'48	0°34'31
morning rise	-7027 Jul 05 j 01:18	4°809'32		minimum elong	-7021 Jul 18 j 07:44	1°II54'48	0°34'55
retrograde	-7027 Oct 04 j 01:34	7°831'35		morning rise	-7021 Aug 03 j 05:48	2°II55'02	
opposition	-7027 Dec 16 j 08:21	5°829'28	0°12'04	retrograde	-7021 Nov 02 j 03:15	6°II16'39	
min. Earth dist.	-7027 Dec 17 j 10:01	5°826'40	17.26232 AU	opposition	-7020 Jan 15 j 03:17	4°II15'07	0°40'33
direct	-7026 Mar 03 j 01:00	3°822'40		min. Earth dist.	-7020 Jan 15 j 21:29	4°II13'11	17.34559 AU
evening set	-7026 Jun 07 j 13:31	6°854'40		direct	-7020 Apr 01 j 07:00	2°II09'18	
				evening set	-7020 Jul 06 j 06:43	5°II39'43	
conjunction	-7026 Jun 23 j 22:36	7°856'25	0°13'12				
minimum elong	-7026 Jun 23 j 22:36	7°856'25	0°13'28	conjunction	-7020 Jul 22 j 07:34	6°II40'18	0°38'09
behind sun begin	-7026 Jun 23 j 18:52	7°855'51		minimum elong	-7020 Jul 22 j 07:34	6°II40'18	0°38'33
behind sun end	-7026 Jun 24 j 02:20	7°857'00		max. Earth dist.	-7020 Jul 21 j 13:04	6°II37'22	19.36012 AU
max. Earth dist.	-7026 Jun 22 j 18:34	7°851'59	19.26175 AU	morning rise	-7020 Aug 07 j 04:32	7°II40'19	
morning rise	-7026 Jul 10 j 03:05	8°857'32		retrograde	-7020 Nov 06 j 03:32	11°II01'38	
retrograde	-7026 Oct 09 j 02:25	12°819'39		opposition	-7019 Jan 19 j 06:32	9°II00'09	0°44'26
opposition	-7026 Dec 21 j 10:55	10°817'40	0°17'14	min. Earth dist.	-7019 Jan 19 j 21:54	8°II58'31	17.37630 AU
min. Earth dist.	-7026 Dec 22 j 11:42	10°814'59	17.26332 AU	direct	-7019 Apr 06 j 12:03	6°II54'31	
direct	-7025 Mar 08 j 06:24	8°811'01		evening set	-7019 Jul 11 j 07:05	10°II24'13	
evening set	-7025 Jun 12 j 17:41	11°843'06					
max. Earth dist.	-7025 Jun 27 j 21:39	12°840'20	19.26561 AU	conjunction	-7019 Jul 27 j 06:39	11°II24'32	0°41'29
				minimum elong	-7019 Jul 27 j 06:39	11°II24'32	0°41'56
conjunction	-7025 Jun 29 j 01:16	12°844'42	0°17'47	max. Earth dist.	-7019 Jul 26 j 14:38	11°II22'00	19.39325 AU
minimum elong	-7025 Jun 29 j 01:15	12°844'42	0°18'04	morning rise	-7019 Aug 12 j 02:24	12°II24'18	
morning rise	-7025 Jul 15 j 04:31	13°845'41		retrograde	-7019 Nov 11 j 01:49	15°II45'17	
	-7025 Aug 05 j 05:00	15°8		opposition	-7018 Jan 24 j 09:42	13°II43'51	0°48'00
retrograde	-7025 Oct 14 j 02:18	17°807'51		min. Earth dist.	-7018 Jan 24 j 23:58	13°II42'19	17.41194 AU
opposition	-7025 Dec 26 j 13:51	15°805'58	0°22'18	direct	-7018 Apr 11 j 15:23	11°II38'26	
min. Earth dist.	-7025 Dec 27 j 13:34	15°803'25	17.26999 AU	evening set	-7018 Jul 16 j 06:34	15°II07'18	
	-7025 Dec 28 j 21:08	15°88					
direct	-7024 Mar 12 j 11:11	12°859'28		conjunction	-7018 Aug 01 j 04:47	16°II07'19	0°44'32
	-7024 May 21 j 13:14	15°8		minimum elong	-7018 Aug 01 j 04:47	16°II07'19	0°44'59
evening set	-7024 Jun 16 j 21:25	16°831'29		max. Earth dist.	-7018 Jul 31 j 14:52	16°II05'07	19.43151 AU
max. Earth dist.	-7024 Jul 02 j 02:29	17°828'56	19.27489 AU	morning rise	-7018 Aug 16 j 23:35	17°II06'50	
				retrograde	-7018 Nov 16 j 01:12	20°II27'26	
conjunction	-7024 Jul 03 j 03:45	17°832'56	0°22'15	opposition	-7017 Jan 29 j 12:34	18°II26'02	0°51'14
minimum elong	-7024 Jul 03 j 03:45	17°832'56	0°22'34	min. Earth dist.	-7017 Jan 29 j 23:24	18°II24'53	17.45272 AU
morning rise	-7024 Jul 19 j 05:37	18°833'46		direct	-7017 Apr 16 j 20:00	16°II20'53	
retrograde	-7024 Oct 18 j 03:07	21°855'57		evening set	-7017 Jul 21 j 04:54	19°II48'49	
opposition	-7024 Dec 30 j 16:53	19°854'07	0°27'12				
min. Earth dist.	-7024 Dec 31 j 15:08	19°851'43	17.28170 AU	conjunction	-7017 Aug 06 j 02:00	20°II48'33	0°47'17
direct	-7023 Mar 17 j 17:15	17°847'46		minimum elong	-7017 Aug 06 j 02:00	20°II48'33	0°47'44
evening set	-7023 Jun 22 j 00:50	21°819'36		max. Earth dist.	-7017 Aug 05 j 15:23	20°II46'52	19.47488 AU
max. Earth dist.	-7023 Jul 07 j 05:15	22°816'59	19.28906 AU	morning rise	-7017 Aug 21 j 19:42	21°II47'48	
				retrograde	-7017 Nov 20 j 21:59	25°II07'59	
conjunction	-7023 Jul 08 j 05:42	22°820'52	0°26'32	opposition	-7016 Feb 03 j 15:12	23°II06'39	0°54'05
minimum elong	-7023 Jul 08 j 05:42	22°820'52	0°26'53	min. Earth dist.	-7016 Feb 04 j 00:35	23°II05'40	17.49875 AU
morning rise	-7023 Jul 24 j 06:19	23°821'31		direct	-7016 Apr 20 j 22:59	21°II01'49	
retrograde	-7023 Oct 23 j 02:49	26°843'32		evening set	-7016 Jul 25 j 02:32	24°II28'44	
opposition	-7022 Jan 04 j 20:19	24°841'52	0°31'54				
min. Earth dist.	-7022 Jan 05 j 17:40	24°839'34	17.29833 AU	conjunction	-7016 Aug 09 j 22:22	25°II28'09	0°49'42
direct	-7022 Mar 22 j 21:42	22°835'40		minimum elong	-7016 Aug 09 j 22:22	25°II28'09	0°50'10
evening set	-7022 Jun 27 j 03:30	26°807'11		max. Earth dist.	-7016 Aug 09 j 13:38	25°II26'47	19.52357 AU
max. Earth dist.	-7022 Jul 12 j 08:47	27°804'42	19.30806 AU	morning rise	-7016 Aug 25 j 15:18	26°II27'08	
				retrograde	-7016 Nov 24 j 19:58	29°II46'54	
conjunction	-7022 Jul 13 j 07:03	27°808'14	0°30'39	opposition	-7015 Feb 07 j 17:06	27°II45'39	0°56'35
minimum elong	-7022 Jul 13 j 07:02	27°808'14	0°31'01	min. Earth dist.	-7015 Feb 07 j 22:54	27°II45'02	17.54994 AU
morning rise	-7022 Jul 29 j 06:21	28°808'41		direct	-7015 Apr 26 j 02:19	25°II41'09	
	-7022 Aug 31 j 03:10	0°II		evening set	-7015 Jul 29 j 23:08	29°II07'01	
retrograde	-7022 Oct 28 j 03:42	1°II30'31			-7015 Aug 13 j 03:01	0°8	
	-7022 Dec 28 j 19:14	30°88					
opposition	-7021 Jan 09 j 23:48	29°828'57	0°36'21	conjunction	-7015 Aug 14 j 18:01	0°806'08	0°51'47

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Attention, astronomical year style is used: The year -7015 in astronomical counting style is the year 7016 BCE in historical counting style.

minimum elong	-7015 Aug 14 j 18:01	0°06'08	0°52'14	min. Earth dist.	-7008 Mar 12 j 08:09	29°03'03	18.00259 AU
max. Earth dist.	-7015 Aug 14 j 12:53	0°05'20	19.57721 AU	direct	-7008 May 28 j 21:47	27°03'36	
morning rise	-7015 Aug 30 j 09:57	1°04'50			-7008 Aug 16 j 05:29	0°00	
retrograde	-7015 Nov 29 j 15:47	4°02'09		evening set	-7008 Aug 29 j 21:46	0°04'44	
opposition	-7014 Feb 12 j 18:56	2°02'30	0°58'42				
min. Earth dist.	-7014 Feb 12 j 23:05	2°02'36	17.60590 AU	conjunction	-7008 Sep 14 j 11:14	1°04'41	0°56'34
direct	-7014 May 01 j 03:50	0°01'57		minimum elong	-7008 Sep 14 j 11:14	1°04'41	0°56'59
evening set	-7014 Aug 03 j 18:48	3°04'41		max. Earth dist.	-7008 Sep 14 j 21:45	1°04'17	20.03713 AU
				morning rise	-7008 Sep 30 j 00:09	2°04'32	
conjunction	-7014 Aug 19 j 12:32	4°04'29	0°53'31	retrograde	-7008 Dec 31 j 03:43	5°05'11	
minimum elong	-7014 Aug 19 j 12:31	4°04'29	0°54'00	opposition	-7007 Mar 17 j 15:37	3°05'70	1°02'31
max. Earth dist.	-7014 Aug 19 j 09:10	4°04'15	19.63546 AU	min. Earth dist.	-7007 Mar 17 j 03:39	3°05'18	18.07191 AU
morning rise	-7014 Sep 04 j 03:53	5°04'05		direct	-7007 Jun 02 j 16:33	1°05'02	
retrograde	-7014 Dec 04 j 13:05	8°05'46		evening set	-7007 Sep 03 j 10:59	5°01'49	
opposition	-7013 Feb 17 j 20:12	6°05'48	1°00'26				
min. Earth dist.	-7013 Feb 17 j 20:53	6°05'44	17.66615 AU	conjunction	-7007 Sep 19 j 00:14	6°08'29	0°55'52
direct	-7013 May 06 j 05:24	4°05'08		minimum elong	-7007 Sep 19 j 00:14	6°08'29	0°56'17
evening set	-7013 Aug 08 j 13:30	8°01'43		max. Earth dist.	-7007 Sep 19 j 13:45	6°01'33	20.10625 AU
				morning rise	-7007 Oct 04 j 12:56	7°05'05	
conjunction	-7013 Aug 24 j 06:27	9°01'12	0°54'55	retrograde	-7006 Jan 04 j 20:05	10°02'08	
minimum elong	-7013 Aug 24 j 06:27	9°01'12	0°55'23	opposition	-7006 Mar 22 j 12:23	8°02'06	1°01'33
max. Earth dist.	-7013 Aug 24 j 06:47	9°01'15	19.69752 AU	min. Earth dist.	-7006 Mar 21 j 22:18	8°02'32	18.14074 AU
morning rise	-7013 Sep 08 j 21:02	10°01'52		direct	-7006 Jun 07 j 12:57	6°01'26	
retrograde	-7013 Dec 09 j 07:57	13°03'43		evening set	-7006 Sep 07 j 23:17	9°03'50	
opposition	-7012 Feb 22 j 20:56	11°03'56	1°01'46				
min. Earth dist.	-7012 Feb 22 j 19:59	11°03'02	17.72980 AU	conjunction	-7006 Sep 23 j 12:06	10°03'13	0°54'51
direct	-7012 May 10 j 05:10	9°02'44		minimum elong	-7006 Sep 23 j 12:06	10°03'13	0°55'14
evening set	-7012 Aug 12 j 07:25	12°05'06		max. Earth dist.	-7006 Sep 24 j 02:45	10°03'27	20.17491 AU
				morning rise	-7006 Oct 09 j 01:01	11°02'63	
conjunction	-7012 Aug 27 j 23:23	13°05'01	0°55'57	retrograde	-7005 Jan 09 j 11:42	14°04'03	
minimum elong	-7012 Aug 27 j 23:23	13°05'01	0°56'25	opposition	-7005 Mar 27 j 08:21	12°04'02	1°00'13
max. Earth dist.	-7012 Aug 28 j 01:07	13°05'32	19.76261 AU	min. Earth dist.	-7005 Mar 26 j 16:38	12°04'38	18.20929 AU
morning rise	-7012 Sep 12 j 13:35	14°04'09		direct	-7005 Jun 12 j 05:52	10°04'44	
retrograde	-7012 Dec 13 j 04:21	18°06'01		evening set	-7005 Sep 12 j 10:37	13°05'45	
opposition	-7011 Feb 26 j 21:07	16°05'23	1°02'42				
min. Earth dist.	-7011 Feb 26 j 17:13	16°05'47	17.79611 AU	conjunction	-7005 Sep 27 j 23:25	14°04'52	0°53'32
direct	-7011 May 15 j 04:32	14°02'38		minimum elong	-7005 Sep 27 j 23:25	14°04'52	0°53'54
evening set	-7011 Aug 17 j 00:15	17°02'45		max. Earth dist.	-7005 Sep 28 j 16:58	14°05'32	20.24324 AU
					-7005 Sep 30 j 18:07	15°00	
conjunction	-7011 Sep 01 j 15:36	18°02'13	0°56'38	morning rise	-7005 Oct 13 j 12:18	15°04'01	
minimum elong	-7011 Sep 01 j 15:36	18°02'13	0°57'06	retrograde	-7004 Jan 14 j 02:43	18°05'51	
max. Earth dist.	-7011 Sep 01 j 20:49	18°02'25	19.82982 AU	min. Earth dist.	-7004 Mar 30 j 09:06	17°01'43	18.27742 AU
morning rise	-7011 Sep 17 j 05:08	19°01'13		opposition	-7004 Mar 31 j 03:08	16°05'53	0°58'34
retrograde	-7011 Dec 17 j 22:21	22°03'33			-7004 Jun 14 j 07:54	15°08	
opposition	-7010 Mar 03 j 20:50	20°03'06	1°03'15	direct	-7004 Jun 16 j 00:42	14°05'56	
min. Earth dist.	-7010 Mar 03 j 15:10	20°03'41	17.86406 AU		-7004 Jun 17 j 17:30	15°00	
direct	-7010 May 20 j 03:10	18°03'49		evening set	-7004 Sep 15 j 21:13	18°01'36	
evening set	-7010 Aug 21 j 16:26	21°05'38					
				conjunction	-7004 Oct 01 j 09:45	19°07'28	0°51'55
conjunction	-7010 Sep 06 j 06:56	22°05'10	0°56'58	minimum elong	-7004 Oct 01 j 09:45	19°07'28	0°52'16
minimum elong	-7010 Sep 06 j 06:56	22°05'10	0°57'24	max. Earth dist.	-7004 Oct 02 j 04:28	19°01'17	20.31122 AU
max. Earth dist.	-7010 Sep 06 j 13:19	22°05'09	19.89844 AU	morning rise	-7004 Oct 16 j 22:58	20°03'24	
morning rise	-7010 Sep 21 j 20:17	23°04'32		retrograde	-7003 Jan 17 j 16:54	23°01'63	
retrograde	-7010 Dec 22 j 17:18	27°05'20		opposition	-7003 Apr 04 j 21:18	21°01'42	0°56'36
opposition	-7009 Mar 08 j 19:52	25°05'00	1°03'23	min. Earth dist.	-7003 Apr 04 j 01:51	21°01'40	18.34543 AU
min. Earth dist.	-7009 Mar 08 j 11:43	25°05'50	17.93322 AU	direct	-7003 Jun 20 j 15:39	19°01'70	
direct	-7009 May 25 j 00:17	23°03'09		evening set	-7003 Sep 20 j 06:45	22°02'27	
evening set	-7009 Aug 26 j 07:25	26°02'13					
				conjunction	-7003 Oct 05 j 19:23	23°02'04	0°50'02
conjunction	-7009 Sep 10 j 21:32	27°01'53	0°56'56	minimum elong	-7003 Oct 05 j 19:23	23°02'04	0°50'21
minimum elong	-7009 Sep 10 j 21:32	27°01'53	0°57'23	max. Earth dist.	-7003 Oct 06 j 16:52	23°02'18	20.37909 AU
max. Earth dist.	-7009 Sep 11 j 07:07	27°02'22	19.96778 AU	morning rise	-7003 Oct 21 j 08:44	24°01'84	
morning rise	-7009 Sep 26 j 10:29	28°01'59		retrograde	-7002 Jan 22 j 06:26	27°03'12	
retrograde	-7009 Oct 27 j 23:46	0°00		opposition	-7002 Apr 09 j 14:33	25°03'13	0°54'20
opposition	-7009 Dec 27 j 10:34	1°03'21		min. Earth dist.	-7002 Apr 08 j 16:31	25°03'50	18.41313 AU
	-7008 Mar 01 j 07:05	30°08		direct	-7002 Jun 25 j 08:50	23°03'22	
retrograde	-7008 Mar 12 j 18:10	29°03'01	1°03'09	evening set	-7002 Sep 24 j 15:48	26°04'27	

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Attention, astronomical year style is used: The year -7002 in astronomical counting style is the year 7003 BCE in historical counting style.

conjunction	-7002 Oct 10 j 04:21	27° <u>0</u> 36'51	0°47'54	retrograde	-6995 Feb 20 j 13:48	26° <u>0</u> 31'35	
minimum elong	-7002 Oct 10 j 04:21	27° <u>0</u> 36'51	0°48'13	opposition	-6995 May 09 j 17:40	24° <u>0</u> 32'18	0°31'48
max. Earth dist.	-7002 Oct 11 j 02:59	27° <u>0</u> 40'14	20.44660 AU	min. Earth dist.	-6995 May 08 j 12:55	24° <u>0</u> 35'11	18.84221 AU
morning rise	-7002 Oct 25 j 18:12	28° <u>0</u> 32'25		direct	-6995 Jul 24 j 17:47	22° <u>0</u> 35'29	
	-7002 Nov 21 j 14:57	0° <u>0</u>		evening set	-6995 Oct 22 j 14:53	25° <u>0</u> 37'08	
retrograde	-7001 Jan 26 j 19:36	1° <u>0</u> 44'31					
	-7001 Apr 07 j 23:04	30° <u>0</u> 36'0		conjunction	-6995 Nov 07 j 06:08	26° <u>0</u> 31'24	0°27'01
min. Earth dist.	-7001 Apr 13 j 07:55	29° <u>0</u> 47'02	18.48052 AU	minimum elong	-6995 Nov 07 j 06:09	26° <u>0</u> 31'24	0°27'07
opposition	-7001 Apr 14 j 07:01	29° <u>0</u> 44'42	0°51'49	max. Earth dist.	-6995 Nov 08 j 12:50	26° <u>0</u> 35'52	20.86599 AU
direct	-7001 Jun 29 j 21:42	27° <u>0</u> 45'51		morning rise	-6995 Nov 23 j 00:15	27° <u>0</u> 26'05	
	-7001 Sep 13 j 00:58	0° <u>0</u>			-6994 Jan 17 j 22:09	0° <u>0</u>	
evening set	-7001 Sep 28 j 23:56	0° <u>0</u> 53'43		retrograde	-6994 Feb 25 j 00:29	0° <u>0</u> 35'00	
					-6994 Apr 05 j 03:31	30° <u>0</u> 36'0	
conjunction	-7001 Oct 14 j 12:49	1° <u>0</u> 48'54	0°45'31	min. Earth dist.	-6994 May 12 j 22:58	28° <u>0</u> 38'44	18.88933 AU
minimum elong	-7001 Oct 14 j 12:49	1° <u>0</u> 48'54	0°45'47	opposition	-6994 May 14 j 04:59	28° <u>0</u> 35'44	0°27'51
max. Earth dist.	-7001 Oct 15 j 13:47	1° <u>0</u> 52'38	20.51358 AU	direct	-6994 Jul 29 j 03:51	26° <u>0</u> 39'08	
morning rise	-7001 Oct 30 j 03:00	2° <u>0</u> 44'18		evening set	-6994 Oct 26 j 20:09	29° <u>0</u> 39'56	
retrograde	-7000 Jan 31 j 07:52	5° <u>0</u> 55'52			-6994 Nov 01 j 16:35	0° <u>0</u>	
opposition	-7000 Apr 17 j 22:32	3° <u>0</u> 56'10	0°49'01				
min. Earth dist.	-7000 Apr 16 j 21:05	3° <u>0</u> 58'44	18.54687 AU	conjunction	-6994 Nov 11 j 11:56	0° <u>0</u> 34'06	0°23'25
direct	-7000 Jul 03 j 12:33	1° <u>0</u> 57'42		minimum elong	-6994 Nov 11 j 11:56	0° <u>0</u> 34'06	0°23'27
evening set	-7000 Oct 02 j 07:38	5° <u>0</u> 04'24		max. Earth dist.	-6994 Nov 12 j 18:29	0° <u>0</u> 38'32	20.91060 AU
				morning rise	-6994 Nov 27 j 07:00	1° <u>0</u> 28'43	
conjunction	-7000 Oct 17 j 20:35	5° <u>0</u> 59'23	0°42'55	retrograde	-6993 Mar 01 j 08:25	4° <u>0</u> 37'15	
minimum elong	-7000 Oct 17 j 20:35	5° <u>0</u> 59'23	0°43'09	min. Earth dist.	-6993 May 17 j 10:38	2° <u>0</u> 40'53	18.93155 AU
max. Earth dist.	-7000 Oct 18 j 22:27	6° <u>0</u> 03'14	20.57920 AU	opposition	-6993 May 18 j 15:38	2° <u>0</u> 37'59	0°23'47
morning rise	-7000 Nov 02 j 11:22	6° <u>0</u> 54'38		direct	-6993 Aug 02 j 11:04	0° <u>0</u> 41'32	
retrograde	-6999 Feb 03 j 19:34	10° <u>0</u> 05'42		evening set	-6993 Oct 31 j 00:56	3° <u>0</u> 41'33	
min. Earth dist.	-6999 Apr 21 j 11:29	8° <u>0</u> 08'42	18.61174 AU				
opposition	-6999 Apr 22 j 13:26	8° <u>0</u> 06'06	0°45'59	conjunction	-6993 Nov 15 j 17:33	4° <u>0</u> 35'39	0°19'42
direct	-6999 Jul 07 j 23:52	6° <u>0</u> 08'01		minimum elong	-6993 Nov 15 j 17:34	4° <u>0</u> 35'39	0°19'44
evening set	-6999 Oct 06 j 14:40	9° <u>0</u> 13'35		max. Earth dist.	-6993 Nov 17 j 00:36	4° <u>0</u> 40'08	20.95042 AU
				morning rise	-6993 Dec 01 j 13:26	5° <u>0</u> 30'12	
conjunction	-6999 Oct 22 j 04:02	10° <u>0</u> 08'24	0°40'06	retrograde	-6992 Mar 04 j 18:18	8° <u>0</u> 38'22	
minimum elong	-6999 Oct 22 j 04:02	10° <u>0</u> 08'25	0°40'18	min. Earth dist.	-6992 May 20 j 19:27	6° <u>0</u> 42'04	18.96889 AU
max. Earth dist.	-6999 Oct 23 j 07:50	10° <u>0</u> 12'31	20.64310 AU	opposition	-6992 May 22 j 01:31	6° <u>0</u> 39'04	0°19'38
morning rise	-6999 Nov 06 j 19:17	11° <u>0</u> 03'30		direct	-6992 Aug 05 j 19:42	4° <u>0</u> 42'45	
retrograde	-6998 Feb 08 j 07:11	14° <u>0</u> 14'07		evening set	-6992 Nov 03 j 05:26	7° <u>0</u> 42'02	
min. Earth dist.	-6998 Apr 25 j 23:32	12° <u>0</u> 17'25	18.67441 AU				
opposition	-6998 Apr 27 j 03:31	12° <u>0</u> 14'36	0°42'44	conjunction	-6992 Nov 18 j 22:39	8° <u>0</u> 36'04	0°15'55
direct	-6998 Jul 12 j 12:34	10° <u>0</u> 16'53		minimum elong	-6992 Nov 18 j 22:40	8° <u>0</u> 36'04	0°15'54
evening set	-6998 Oct 10 j 21:19	13° <u>0</u> 21'24		behind sun begin	-6992 Nov 18 j 21:24	8° <u>0</u> 35'54	
				behind sun end	-6992 Nov 18 j 23:55	8° <u>0</u> 36'15	
conjunction	-6998 Oct 26 j 10:56	14° <u>0</u> 16'03	0°37'04	max. Earth dist.	-6992 Nov 20 j 05:33	8° <u>0</u> 40'31	20.98540 AU
minimum elong	-6998 Oct 26 j 10:57	14° <u>0</u> 16'03	0°37'15	morning rise	-6992 Dec 04 j 19:32	9° <u>0</u> 30'36	
max. Earth dist.	-6998 Oct 27 j 15:21	14° <u>0</u> 20'14	20.70436 AU	retrograde	-6991 Mar 09 j 01:17	12° <u>0</u> 38'27	
morning rise	-6998 Nov 11 j 02:57	15° <u>0</u> 11'01		min. Earth dist.	-6991 May 25 j 05:53	10° <u>0</u> 41'59	19.00176 AU
retrograde	-6997 Feb 12 j 17:34	18° <u>0</u> 21'11		opposition	-6991 May 26 j 10:55	10° <u>0</u> 39'05	0°15'24
opposition	-6997 May 01 j 17:03	16° <u>0</u> 21'46	0°39'16	direct	-6991 Aug 10 j 02:00	8° <u>0</u> 42'52	
min. Earth dist.	-6997 Apr 30 j 13:12	16° <u>0</u> 24'34	18.73422 AU	evening set	-6991 Nov 07 j 09:40	11° <u>0</u> 41'30	
direct	-6997 Jul 16 j 22:19	14° <u>0</u> 24'24					
evening set	-6997 Oct 15 j 03:33	17° <u>0</u> 27'54		conjunction	-6991 Nov 23 j 03:47	12° <u>0</u> 35'30	0°12'05
				minimum elong	-6991 Nov 23 j 03:47	12° <u>0</u> 35'30	0°12'01
conjunction	-6997 Oct 30 j 17:44	18° <u>0</u> 22'24	0°33'53	behind sun begin	-6991 Nov 22 j 23:15	12° <u>0</u> 34'52	
minimum elong	-6997 Oct 30 j 17:45	18° <u>0</u> 22'24	0°34'01	behind sun end	-6991 Nov 23 j 08:19	12° <u>0</u> 36'08	
max. Earth dist.	-6997 Oct 31 j 23:26	18° <u>0</u> 26'46	20.76242 AU	max. Earth dist.	-6991 Nov 24 j 11:09	12° <u>0</u> 40'00	21.01626 AU
morning rise	-6997 Nov 15 j 10:19	19° <u>0</u> 17'16		morning rise	-6991 Dec 09 j 01:31	13° <u>0</u> 30'00	
retrograde	-6996 Feb 17 j 04:39	22° <u>0</u> 26'59		retrograde	-6990 Mar 13 j 10:29	16° <u>0</u> 37'34	
min. Earth dist.	-6996 May 04 j 00:09	20° <u>0</u> 30'35	18.79033 AU	opposition	-6990 May 30 j 19:32	14° <u>0</u> 38'09	0°11'07
opposition	-6996 May 05 j 05:30	20° <u>0</u> 27'39	0°35'37	min. Earth dist.	-6990 May 29 j 13:27	14° <u>0</u> 41'09	19.03060 AU
direct	-6996 Jul 20 j 09:31	18° <u>0</u> 30'34		direct	-6990 Aug 14 j 09:10	12° <u>0</u> 42'01	
evening set	-6996 Oct 18 j 09:31	21° <u>0</u> 33'08		evening set	-6990 Nov 11 j 13:50	15° <u>0</u> 40'06	
conjunction	-6996 Nov 03 j 00:05	22° <u>0</u> 27'31	0°30'31	conjunction	-6990 Nov 27 j 08:41	16° <u>0</u> 34'04	0°08'13
minimum elong	-6996 Nov 03 j 00:05	22° <u>0</u> 27'31	0°30'37	minimum elong	-6990 Nov 27 j 08:41	16° <u>0</u> 34'04	0°08'07
max. Earth dist.	-6996 Nov 04 j 05:56	22° <u>0</u> 31'52	20.81641 AU	behind sun begin	-6990 Nov 27 j 02:49	16° <u>0</u> 33'15	
morning rise	-6996 Nov 18 j 17:30	23° <u>0</u> 22'16		behind sun end	-6990 Nov 27 j 14:33	16° <u>0</u> 34'53	

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Attention, astronomical year style is used: The year -6990 in astronomical counting style is the year 6991 BCE in historical counting style.

max. Earth dist.	-6990 Nov 28 j 15:49	16° <u>♂</u> 38'32	21.04310 AU	min. Earth dist.	-6984 Jun 22 j 11:01	8° <u>♂</u> 25'21	19.12241 AU
morning rise	-6990 Dec 13 j 07:30	17° <u>♂</u> 28'34		opposition	-6984 Jun 23 j 14:12	8° <u>♂</u> 22'37	-0°14'46
retrograde	-6989 Mar 17 j 17:14	20° <u>♂</u> 35'54		direct	-6984 Sep 06 j 14:04	6° <u>♂</u> 26'53	
min. Earth dist.	-6989 Jun 02 j 22:49	18° <u>♂</u> 39'20	19.05563 AU	evening set	-6984 Dec 04 j 15:22	9° <u>♂</u> 23'26	
opposition	-6989 Jun 04 j 03:45	18° <u>♂</u> 36'26	0°06'48				
direct	-6989 Aug 18 j 14:13	16° <u>♂</u> 40'23		conjunction	-6984 Dec 20 j 15:50	10° <u>♂</u> 17'39	-0°15'14
evening set	-6989 Nov 15 j 17:52	19° <u>♂</u> 38'00		minimum elong	-6984 Dec 20 j 15:50	10° <u>♂</u> 17'39	0°15'30
				behind sun begin	-6984 Dec 20 j 14:06	10° <u>♂</u> 17'24	
conjunction	-6989 Dec 01 j 13:40	20° <u>♂</u> 31'58	0°04'19	behind sun end	-6984 Dec 20 j 17:33	10° <u>♂</u> 17'53	
minimum elong	-6989 Dec 01 j 13:40	20° <u>♂</u> 31'58	0°04'11	max. Earth dist.	-6984 Dec 21 j 20:19	10° <u>♂</u> 21'41	21.12246 AU
behind sun begin	-6989 Dec 01 j 07:11	20° <u>♂</u> 31'03		morning rise	-6983 Jan 05 j 20:44	11° <u>♂</u> 12'28	
behind sun end	-6989 Dec 01 j 20:09	20° <u>♂</u> 32'52		retrograde	-6983 Apr 10 j 17:16	14° <u>♂</u> 19'22	
max. Earth dist.	-6989 Dec 02 j 21:01	20° <u>♂</u> 36'27	21.06631 AU	opposition	-6983 Jun 27 j 20:27	12° <u>♂</u> 19'54	-0°18'58
morning rise	-6989 Dec 17 j 13:22	21° <u>♂</u> 26'29		min. Earth dist.	-6983 Jun 26 j 19:24	12° <u>♂</u> 22'25	19.12202 AU
retrograde	-6988 Mar 21 j 02:06	24° <u>♂</u> 33'37		direct	-6983 Sep 10 j 16:53	10° <u>♂</u> 24'09	
min. Earth dist.	-6988 Jun 06 j 05:27	22° <u>♂</u> 37'07	19.07695 AU	evening set	-6983 Dec 08 j 20:28	13° <u>♂</u> 20'44	
opposition	-6988 Jun 07 j 11:13	22° <u>♂</u> 34'08	0°02'27				
direct	-6988 Aug 21 j 20:22	20° <u>♂</u> 38'10		conjunction	-6983 Dec 24 j 22:03	14° <u>♂</u> 15'02	-0°18'59
evening set	-6988 Nov 18 j 21:57	23° <u>♂</u> 35'24		minimum elong	-6983 Dec 24 j 22:03	14° <u>♂</u> 15'02	0°19'16
				max. Earth dist.	-6983 Dec 26 j 01:30	14° <u>♂</u> 18'56	21.11944 AU
conjunction	-6988 Dec 04 j 18:32	24° <u>♂</u> 29'22	0°00'20		-6982 Jan 07 j 04:12	15° <u>♂</u>	
minimum elong	-6988 Dec 04 j 18:32	24° <u>♂</u> 29'22	0°00'11	morning rise	-6982 Jan 10 j 03:56	15° <u>♂</u> 09'58	
behind sun begin	-6988 Dec 04 j 12:01	24° <u>♂</u> 28'28		retrograde	-6982 Apr 15 j 02:32	18° <u>♂</u> 16'54	
behind sun end	-6988 Dec 05 j 01:04	24° <u>♂</u> 30'16		min. Earth dist.	-6982 Jul 01 j 01:43	16° <u>♂</u> 19'54	19.11614 AU
max. Earth dist.	-6988 Dec 06 j 01:27	24° <u>♂</u> 33'47	21.08573 AU	opposition	-6982 Jul 02 j 02:19	16° <u>♂</u> 17'25	-0°23'03
morning rise	-6988 Dec 20 j 19:19	25° <u>♂</u> 23'55			-6982 Aug 06 j 01:56	15° <u>♂</u>	
desc. node	-6987 Jan 04 j 12:25	26° <u>♂</u> 11'33		direct	-6982 Sep 14 j 22:21	14° <u>♂</u> 21'37	
retrograde	-6987 Mar 25 j 08:45	28° <u>♂</u> 30'55			-6982 Oct 23 j 20:02	15° <u>♂</u>	
opposition	-6987 Jun 11 j 18:34	26° <u>♂</u> 31'26	-0°01'53	evening set	-6982 Dec 13 j 02:04	17° <u>♂</u> 18'17	
min. Earth dist.	-6987 Jun 10 j 14:07	26° <u>♂</u> 34'17	19.09455 AU				
direct	-6987 Aug 26 j 00:04	24° <u>♂</u> 35'33		conjunction	-6982 Dec 29 j 04:36	18° <u>♂</u> 12'42	-0°22'38
evening set	-6987 Nov 23 j 01:51	27° <u>♂</u> 32'29		minimum elong	-6982 Dec 29 j 04:35	18° <u>♂</u> 12'42	0°22'58
				max. Earth dist.	-6982 Dec 30 j 06:19	18° <u>♂</u> 16'21	21.11058 AU
conjunction	-6987 Dec 08 j 23:29	28° <u>♂</u> 26'29	-0°03'41	morning rise	-6981 Jan 14 j 11:34	19° <u>♂</u> 07'46	
minimum elong	-6987 Dec 08 j 23:30	28° <u>♂</u> 26'29	0°03'52	retrograde	-6981 Apr 19 j 10:18	22° <u>♂</u> 14'46	
behind sun begin	-6987 Dec 08 j 16:58	28° <u>♂</u> 25'35		min. Earth dist.	-6981 Jul 05 j 10:08	20° <u>♂</u> 17'27	19.10432 AU
behind sun end	-6987 Dec 09 j 06:02	28° <u>♂</u> 27'23		opposition	-6981 Jul 06 j 08:16	20° <u>♂</u> 15'13	-0°27'03
max. Earth dist.	-6987 Dec 10 j 06:26	28° <u>♂</u> 30'54	21.10150 AU	direct	-6981 Sep 19 j 01:48	18° <u>♂</u> 19'18	
morning rise	-6987 Dec 25 j 01:15	29° <u>♂</u> 21'05		evening set	-6981 Dec 17 j 07:53	21° <u>♂</u> 16'07	
	-6986 Jan 06 j 00:12	0° <u>♂</u>					
retrograde	-6986 Mar 29 j 18:04	2° <u>♂</u> 28'00		conjunction	-6980 Jan 02 j 11:31	22° <u>♂</u> 10'40	-0°26'12
min. Earth dist.	-6986 Jun 14 j 20:26	0° <u>♂</u> 31'25	19.10824 AU	minimum elong	-6980 Jan 02 j 11:31	22° <u>♂</u> 10'40	0°26'31
opposition	-6986 Jun 16 j 01:25	0° <u>♂</u> 28'31	-0°06'13	max. Earth dist.	-6980 Jan 03 j 11:45	22° <u>♂</u> 14'07	21.09589 AU
	-6986 Jun 28 j 00:31	30° <u>♂</u> 2		morning rise	-6980 Jan 18 j 19:26	23° <u>♂</u> 05'51	
direct	-6986 Aug 30 j 05:46	28° <u>♂</u> 32'42		retrograde	-6980 Apr 22 j 19:13	26° <u>♂</u> 12'57	
	-6986 Oct 29 j 02:31	0° <u>♂</u>		opposition	-6980 Jul 09 j 13:54	24° <u>♂</u> 13'18	-0°30'55
evening set	-6986 Nov 27 j 06:12	1° <u>♂</u> 29'25		min. Earth dist.	-6980 Jul 08 j 16:24	24° <u>♂</u> 15'29	19.08666 AU
				direct	-6980 Sep 22 j 07:05	22° <u>♂</u> 17'13	
conjunction	-6986 Dec 13 j 04:44	2° <u>♂</u> 23'29	-0°07'34	evening set	-6980 Dec 20 j 14:08	25° <u>♂</u> 14'15	
minimum elong	-6986 Dec 13 j 04:43	2° <u>♂</u> 23'28	0°07'46				
behind sun begin	-6986 Dec 12 j 22:45	2° <u>♂</u> 22'39		conjunction	-6979 Jan 05 j 18:44	26° <u>♂</u> 08'57	-0°29'37
behind sun end	-6986 Dec 13 j 10:41	2° <u>♂</u> 24'18		minimum elong	-6979 Jan 05 j 18:44	26° <u>♂</u> 08'57	0°29'59
max. Earth dist.	-6986 Dec 14 j 10:53	2° <u>♂</u> 27'46	21.11306 AU	max. Earth dist.	-6979 Jan 06 j 17:08	26° <u>♂</u> 12'07	21.07541 AU
morning rise	-6986 Dec 29 j 07:35	3° <u>♂</u> 18'08		morning rise	-6979 Jan 22 j 03:42	27° <u>♂</u> 04'16	
retrograde	-6985 Apr 03 j 00:40	6° <u>♂</u> 24'59			-6979 Apr 05 j 07:07	0° <u>♂</u>	
min. Earth dist.	-6985 Jun 19 j 04:47	4° <u>♂</u> 28'15	19.11764 AU	retrograde	-6979 Apr 27 j 02:44	0° <u>♂</u> 11'29	
opposition	-6985 Jun 20 j 07:57	4° <u>♂</u> 25'32	-0°10'31		-6979 May 19 j 01:39	30° <u>♂</u>	
direct	-6985 Sep 03 j 08:32	2° <u>♂</u> 29'46		opposition	-6979 Jul 13 j 19:35	28° <u>♂</u> 11'42	-0°34'38
evening set	-6985 Dec 01 j 10:39	5° <u>♂</u> 26'22		min. Earth dist.	-6979 Jul 13 j 00:34	28° <u>♂</u> 13'38	19.06350 AU
				direct	-6979 Sep 26 j 11:13	26° <u>♂</u> 15'24	
conjunction	-6985 Dec 17 j 10:15	6° <u>♂</u> 20'29	-0°11'25	evening set	-6979 Dec 24 j 20:37	29° <u>♂</u> 12'43	
minimum elong	-6985 Dec 17 j 10:14	6° <u>♂</u> 20'29	0°11'40		-6978 Jan 07 j 21:00	0° <u>♂</u>	
behind sun begin	-6985 Dec 17 j 05:32	6° <u>♂</u> 19'50					
behind sun end	-6985 Dec 17 j 14:56	6° <u>♂</u> 21'08		conjunction	-6978 Jan 10 j 02:23	0° <u>♂</u> 07'35	-0°32'54
max. Earth dist.	-6985 Dec 18 j 15:53	6° <u>♂</u> 24'42	21.12027 AU	minimum elong	-6978 Jan 10 j 02:23	0° <u>♂</u> 07'35	0°33'17
morning rise	-6984 Jan 02 j 14:04	7° <u>♂</u> 15'14		max. Earth dist.	-6978 Jan 10 j 23:16	0° <u>♂</u> 10'32	21.04985 AU
retrograde	-6984 Apr 06 j 10:10	10° <u>♂</u> 22'04		morning rise	-6978 Jan 26 j 12:20	1° <u>♂</u> 03'03	

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Attention, astronomical year style is used: The year -6978 in astronomical counting style is the year 6979 BCE in historical counting style.

retrograde	-6978 May 01 j 12:00	4°♂10'25		minimum elong	-6971 Feb 07 j 23:28	28°♂18'49	0°51'19
min. Earth dist.	-6978 Jul 17 j 06:45	2°♂12'20	19.03546 AU	max. Earth dist.	-6971 Feb 08 j 07:37	28°♂19'59	20.76578 AU
opposition	-6978 Jul 18 j 01:04	2°♂10'28	-0°38'11	morning rise	-6971 Feb 24 j 15:22	29°♂15'41	
direct	-6978 Sep 30 j 16:30	0°♂13'55			-6971 Mar 10 j 05:42	0°♂	
evening set	-6978 Dec 29 j 03:48	3°♂11'36		retrograde	-6971 May 30 j 06:36	2°♂25'14	
				opposition	-6971 Aug 14 j 18:48	0°♂24'37	-0°57'18
conjunction	-6977 Jan 14 j 10:32	4°♂06'38	-0°36'02	min. Earth dist.	-6971 Aug 14 j 13:05	0°♂25'13	18.73996 AU
minimum elong	-6977 Jan 14 j 10:32	4°♂06'38	0°36'27		-6971 Aug 24 j 16:51	30°♂♂	
max. Earth dist.	-6977 Jan 15 j 05:36	4°♂09'21	21.01948 AU	direct	-6971 Oct 28 j 06:14	28°♂26'11	
morning rise	-6977 Jan 30 j 21:28	5°♂02'17			-6971 Dec 29 j 09:29	0°♂	
retrograde	-6977 May 05 j 19:15	8°♂09'48		evening set	-6970 Jan 26 j 22:38	1°♂28'47	
opposition	-6977 Jul 22 j 06:30	6°♂09'43	-0°41'33				
min. Earth dist.	-6977 Jul 21 j 14:39	6°♂11'20	19.00301 AU	conjunction	-6970 Feb 12 j 12:19	2°♂25'28	-0°52'32
direct	-6977 Oct 04 j 20:53	4°♂12'54		minimum elong	-6970 Feb 12 j 12:19	2°♂25'28	0°53'01
evening set	-6976 Jan 02 j 11:20	7°♂11'02		max. Earth dist.	-6970 Feb 12 j 17:52	2°♂26'16	20.71313 AU
				morning rise	-6970 Mar 01 j 04:58	3°♂22'34	
conjunction	-6976 Jan 18 j 19:09	8°♂06'16	-0°39'00	retrograde	-6970 Jun 03 j 19:38	6°♂32'37	
minimum elong	-6976 Jan 18 j 19:09	8°♂06'16	0°39'25	opposition	-6970 Aug 19 j 02:00	4°♂31'56	-0°59'02
max. Earth dist.	-6976 Jan 19 j 12:37	8°♂08'45	20.98519 AU	min. Earth dist.	-6970 Aug 18 j 21:43	4°♂32'23	18.68562 AU
morning rise	-6976 Feb 04 j 06:59	9°♂02'04		direct	-6970 Nov 01 j 14:34	2°♂33'12	
retrograde	-6976 May 09 j 05:14	12°♂09'50		evening set	-6969 Jan 31 j 11:35	5°♂36'51	
opposition	-6976 Jul 25 j 11:58	10°♂09'36	-0°44'44				
min. Earth dist.	-6976 Jul 24 j 20:47	10°♂11'09	18.96687 AU	conjunction	-6969 Feb 17 j 02:08	6°♂33'48	-0°53'58
direct	-6976 Oct 08 j 02:31	8°♂12'30		minimum elong	-6969 Feb 17 j 02:07	6°♂33'48	0°54'26
evening set	-6975 Jan 05 j 19:21	11°♂11'10		max. Earth dist.	-6969 Feb 17 j 05:28	6°♂34'17	20.65696 AU
				morning rise	-6969 Mar 05 j 19:18	7°♂31'09	
conjunction	-6975 Jan 22 j 04:08	12°♂06'36	-0°41'47	retrograde	-6969 Jun 08 j 06:52	10°♂41'41	
minimum elong	-6975 Jan 22 j 04:08	12°♂06'36	0°42'12	opposition	-6969 Aug 23 j 09:43	8°♂40'57	-1°00'29
max. Earth dist.	-6975 Jan 22 j 19:56	12°♂08'50	20.94726 AU	min. Earth dist.	-6969 Aug 23 j 08:19	8°♂41'06	18.62772 AU
morning rise	-6975 Feb 07 j 16:51	13°♂02'36		direct	-6969 Nov 05 j 21:56	6°♂41'54	
retrograde	-6975 May 13 j 13:00	16°♂10'37		evening set	-6968 Feb 05 j 01:23	9°♂46'36	
opposition	-6975 Jul 29 j 17:44	14°♂10'16	-0°47'43				
min. Earth dist.	-6975 Jul 29 j 04:56	14°♂11'35	18.92734 AU	conjunction	-6968 Feb 21 j 16:43	10°♂43'51	-0°55'06
direct	-6975 Oct 12 j 06:38	12°♂12'54		minimum elong	-6968 Feb 21 j 16:43	10°♂43'51	0°55'34
evening set	-6974 Jan 10 j 04:04	15°♂12'11		max. Earth dist.	-6968 Feb 21 j 16:57	10°♂43'53	20.59741 AU
				morning rise	-6968 Mar 09 j 10:32	11°♂41'26	
conjunction	-6974 Jan 26 j 13:56	16°♂07'50	-0°44'22	retrograde	-6968 Jun 11 j 20:17	14°♂52'30	
minimum elong	-6974 Jan 26 j 13:56	16°♂07'50	0°44'49	opposition	-6968 Aug 26 j 17:58	12°♂51'41	-1°01'36
max. Earth dist.	-6974 Jan 27 j 03:56	16°♂09'50	20.90630 AU	min. Earth dist.	-6968 Aug 26 j 18:10	12°♂51'39	18.56641 AU
morning rise	-6974 Feb 12 j 03:33	17°♂04'02		direct	-6968 Nov 09 j 07:16	10°♂52'15	
retrograde	-6974 May 18 j 00:04	20°♂12'22		evening set	-6967 Feb 08 j 15:56	13°♂58'04	
opposition	-6974 Aug 02 j 23:26	18°♂11'55	-0°50'29				
min. Earth dist.	-6974 Aug 02 j 11:28	18°♂13'09	18.88486 AU	conjunction	-6967 Feb 25 j 08:07	14°♂55'36	-0°55'58
direct	-6974 Oct 16 j 13:07	16°♂14'17		minimum elong	-6967 Feb 25 j 08:07	14°♂55'36	0°56'26
evening set	-6973 Jan 14 j 13:36	19°♂14'16		max. Earth dist.	-6967 Feb 25 j 06:09	14°♂55'19	20.53428 AU
				morning rise	-6967 Mar 14 j 02:22	15°♂53'27	
conjunction	-6973 Jan 31 j 00:26	20°♂10'10	-0°46'45	retrograde	-6967 Jun 16 j 08:56	19°♂05'00	
minimum elong	-6973 Jan 31 j 00:26	20°♂10'10	0°47'12	opposition	-6967 Aug 31 j 02:49	17°♂04'05	-1°02'24
max. Earth dist.	-6973 Jan 31 j 12:35	20°♂11'54	20.86228 AU	min. Earth dist.	-6967 Aug 31 j 05:49	17°♂03'46	18.50162 AU
morning rise	-6973 Feb 16 j 14:51	21°♂06'35		direct	-6967 Nov 13 j 16:35	15°♂04'15	
retrograde	-6973 May 22 j 08:42	24°♂15'16		evening set	-6966 Feb 13 j 07:34	18°♂11'13	
opposition	-6973 Aug 07 j 05:37	22°♂14'45	-0°53'01				
min. Earth dist.	-6973 Aug 06 j 20:09	22°♂15'44	18.83940 AU	conjunction	-6966 Mar 02 j 00:27	19°♂09'02	-0°56'31
direct	-6973 Oct 20 j 17:22	20°♂16'51		minimum elong	-6966 Mar 02 j 00:27	19°♂09'02	0°56'58
evening set	-6972 Jan 18 j 23:41	23°♂17'38		max. Earth dist.	-6966 Mar 01 j 19:07	19°♂08'16	20.46810 AU
				morning rise	-6966 Mar 18 j 19:16	20°♂07'08	
conjunction	-6972 Feb 04 j 11:30	24°♂13'46	-0°48'55	retrograde	-6966 Jun 20 j 23:01	23°♂19'13	
minimum elong	-6972 Feb 04 j 11:30	24°♂13'46	0°49'23	opposition	-6966 Sep 04 j 11:59	21°♂18'09	-1°02'52
max. Earth dist.	-6972 Feb 04 j 21:35	24°♂15'12	20.81551 AU	min. Earth dist.	-6966 Sep 04 j 16:45	21°♂17'39	18.43406 AU
morning rise	-6972 Feb 21 j 02:42	25°♂10'24		direct	-6966 Nov 18 j 03:29	19°♂17'52	
retrograde	-6972 May 25 j 20:48	28°♂19'30		evening set	-6965 Feb 18 j 00:02	22°♂26'01	
opposition	-6972 Aug 10 j 11:59	26°♂18'55	-0°55'17				
min. Earth dist.	-6972 Aug 10 j 03:33	26°♂19'48	18.79118 AU	conjunction	-6965 Mar 06 j 17:41	23°♂24'09	-0°56'46
direct	-6972 Oct 24 j 00:52	24°♂20'45		minimum elong	-6965 Mar 06 j 17:41	23°♂24'09	0°57'13
evening set	-6971 Jan 22 j 10:44	27°♂22'25		max. Earth dist.	-6965 Mar 06 j 10:26	23°♂23'05	20.39927 AU
				morning rise	-6965 Mar 23 j 12:43	24°♂22'30	
conjunction	-6971 Feb 07 j 23:28	28°♂18'49	-0°50'51	retrograde	-6965 Jun 25 j 12:42	27°♂35'05	

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Attention, astronomical year style is used: The year -6965 in astronomical counting style is the year 6966 BCE in historical counting style.

opposition	-6965 Sep 08 j 21:54	25° ♁ 33'53	-1°03'00	evening set	-6958 Mar 21 j 19:32	22° ♁ 59'25	
min. Earth dist.	-6965 Sep 09 j 05:10	25° ♁ 33'07	18.36425 AU				
direct	-6965 Nov 22 j 14:05	23° ♁ 33'09		conjunction	-6958 Apr 07 j 15:45	23° ♁ 59'35	-0°49'37
evening set	-6964 Feb 22 j 17:13	26° ♁ 42'30		minimum elong	-6958 Apr 07 j 15:46	23° ♁ 59'35	0°49'55
				max. Earth dist.	-6958 Apr 06 j 16:57	23° ♁ 56'10	19.90943 AU
conjunction	-6964 Mar 10 j 11:22	27° ♁ 40'55	-0°56'42	morning rise	-6958 Apr 24 j 11:13	24° ♁ 59'41	
minimum elong	-6964 Mar 10 j 11:22	27° ♁ 40'55	0°57'09	retrograde	-6958 Jul 26 j 11:42	28° ♁ 16'12	
max. Earth dist.	-6964 Mar 10 j 00:56	27° ♁ 39'23	20.32879 AU	opposition	-6958 Oct 08 j 13:33	26° ♁ 14'16	-0°53'57
morning rise	-6964 Mar 27 j 06:50	28° ♁ 39'32		min. Earth dist.	-6958 Oct 09 j 08:43	26° ♁ 12'11	17.87702 AU
	-6964 Apr 21 j 05:41	0° ♁		direct	-6958 Dec 22 j 15:35	24° ♁ 10'33	
retrograde	-6964 Jun 29 j 04:06	1° ♁ 52'40		evening set	-6957 Mar 26 j 19:07	27° ♁ 29'17	
	-6964 Sep 08 j 22:21	30° ♁					
opposition	-6964 Sep 12 j 08:17	29° ♁ 51'17	-1°02'46	conjunction	-6957 Apr 12 j 15:32	28° ♁ 29'44	-0°47'18
min. Earth dist.	-6964 Sep 12 j 17:11	29° ♁ 50'20	18.29322 AU	minimum elong	-6957 Apr 12 j 15:32	28° ♁ 29'44	0°47'36
direct	-6964 Nov 26 j 02:21	27° ♁ 50'03		max. Earth dist.	-6957 Apr 11 j 16:07	28° ♁ 26'12	19.84459 AU
	-6963 Feb 08 j 01:34	0° ♁		morning rise	-6957 Apr 29 j 10:31	29° ♁ 30'02	
evening set	-6963 Feb 26 j 11:18	1° ♁ 00'41			-6957 May 08 j 01:47	0° ♁	
				retrograde	-6957 Jul 31 j 08:21	2° ♁ 47'09	
conjunction	-6963 Mar 15 j 06:08	1° ♁ 59'24	-0°56'19	opposition	-6957 Oct 13 j 05:22	0° ♁ 45'12	-0°51'14
minimum elong	-6963 Mar 15 j 06:08	1° ♁ 59'24	0°56'45	min. Earth dist.	-6957 Oct 14 j 01:43	0° ♁ 42'59	17.81304 AU
max. Earth dist.	-6963 Mar 14 j 18:18	1° ♁ 57'40	20.25730 AU		-6957 Oct 30 j 23:36	30° ♁	
morning rise	-6963 Apr 01 j 01:40	2° ♁ 58'16		direct	-6957 Dec 27 j 09:51	28° ♁ 41'11	
retrograde	-6963 Jul 03 j 19:10	6° ♁ 11'55			-6956 Feb 21 j 11:09	0° ♁	
opposition	-6963 Sep 16 j 19:17	4° ♁ 10'24	-1°02'12	evening set	-6956 Mar 30 j 19:35	2° ♁ 01'17	
min. Earth dist.	-6963 Sep 17 j 06:20	4° ♁ 09'13	18.22157 AU				
direct	-6963 Nov 30 j 14:15	2° ♁ 08'42		conjunction	-6956 Apr 16 j 15:46	3° ♁ 01'58	-0°44'41
evening set	-6962 Mar 03 j 06:25	5° ♁ 20'37		minimum elong	-6956 Apr 16 j 15:46	3° ♁ 01'59	0°44'55
max. Earth dist.	-6962 Mar 19 j 10:34	6° ♁ 17'25	20.18570 AU	max. Earth dist.	-6956 Apr 15 j 13:29	2° ♁ 58'00	19.78147 AU
				morning rise	-6956 May 03 j 10:28	4° ♁ 02'29	
conjunction	-6962 Mar 20 j 01:36	6° ♁ 19'37	-0°55'38	retrograde	-6956 Aug 04 j 03:33	7° ♁ 20'12	
minimum elong	-6962 Mar 20 j 01:36	6° ♁ 19'37	0°56'02	opposition	-6956 Oct 16 j 22:08	5° ♁ 18'14	-0°48'09
morning rise	-6962 Apr 05 j 21:26	7° ♁ 18'45		min. Earth dist.	-6956 Oct 17 j 20:31	5° ♁ 15'48	17.75085 AU
retrograde	-6962 Jul 08 j 11:54	10° ♁ 32'58		direct	-6956 Dec 31 j 04:00	3° ♁ 13'53	
opposition	-6962 Sep 21 j 06:59	8° ♁ 31'18	-1°01'16	evening set	-6955 Apr 04 j 20:55	6° ♁ 35'20	
min. Earth dist.	-6962 Sep 21 j 19:38	8° ♁ 29'56	18.15019 AU				
direct	-6962 Dec 05 j 03:40	6° ♁ 29'08		conjunction	-6955 Apr 21 j 17:05	7° ♁ 36'16	-0°41'45
evening set	-6961 Mar 08 j 02:15	9° ♁ 42'22		minimum elong	-6955 Apr 21 j 17:05	7° ♁ 36'16	0°41'58
				max. Earth dist.	-6955 Apr 20 j 14:04	7° ♁ 32'09	19.72002 AU
conjunction	-6961 Mar 24 j 21:57	10° ♁ 41'41	-0°54'37	morning rise	-6955 May 08 j 11:10	8° ♁ 36'57	
minimum elong	-6961 Mar 24 j 21:57	10° ♁ 41'41	0°54'59	retrograde	-6955 Aug 09 j 01:21	11° ♁ 55'13	
max. Earth dist.	-6961 Mar 24 j 05:56	10° ♁ 39'18	20.11451 AU	opposition	-6955 Oct 21 j 15:38	9° ♁ 53'14	-0°44'45
morning rise	-6961 Apr 10 j 17:37	11° ♁ 41'03		min. Earth dist.	-6955 Oct 22 j 14:57	9° ♁ 50'41	17.69017 AU
retrograde	-6961 Jul 13 j 04:44	14° ♁ 55'49		direct	-6954 Jan 05 j 00:39	7° ♁ 48'34	
opposition	-6961 Sep 25 j 19:26	12° ♁ 54'03	-0°59'59	evening set	-6954 Apr 09 j 23:13	11° ♁ 11'19	
min. Earth dist.	-6961 Sep 26 j 09:47	12° ♁ 52'30	18.07949 AU				
direct	-6961 Dec 09 j 17:20	10° ♁ 51'27		conjunction	-6954 Apr 26 j 18:59	12° ♁ 12'28	-0°38'32
evening set	-6960 Mar 11 j 23:08	14° ♁ 06'02		minimum elong	-6954 Apr 26 j 18:59	12° ♁ 12'28	0°38'43
	-6960 Mar 27 j 05:10	15° ♁		max. Earth dist.	-6954 Apr 25 j 13:18	12° ♁ 07'57	19.66016 AU
				morning rise	-6954 May 13 j 12:31	13° ♁ 13'20	
conjunction	-6960 Mar 28 j 18:58	15° ♁ 05'38	-0°53'16	retrograde	-6954 Aug 13 j 21:22	16° ♁ 32'07	
minimum elong	-6960 Mar 28 j 18:58	15° ♁ 05'38	0°53'38	opposition	-6954 Oct 26 j 10:14	14° ♁ 30'05	-0°41'01
max. Earth dist.	-6960 Mar 27 j 23:55	15° ♁ 02'47	20.04452 AU	min. Earth dist.	-6954 Oct 27 j 11:37	14° ♁ 27'19	17.63135 AU
morning rise	-6960 Apr 14 j 14:46	16° ♁ 05'15		direct	-6953 Jan 09 j 21:03	12° ♁ 25'06	
retrograde	-6960 Jul 16 j 22:27	19° ♁ 20'36		evening set	-6953 Apr 15 j 01:54	15° ♁ 49'06	
opposition	-6960 Sep 29 j 08:38	17° ♁ 18'44	-0°58'20				
min. Earth dist.	-6960 Sep 30 j 00:34	17° ♁ 17'01	18.01032 AU	conjunction	-6953 May 01 j 21:21	16° ♁ 50'26	-0°35'02
direct	-6960 Dec 13 j 07:43	15° ♁ 15'44		minimum elong	-6953 May 01 j 21:22	16° ♁ 50'26	0°35'11
evening set	-6959 Mar 16 j 20:42	18° ♁ 31'40		max. Earth dist.	-6953 Apr 30 j 15:01	16° ♁ 45'47	19.60232 AU
				morning rise	-6953 May 18 j 14:09	17° ♁ 51'26	
conjunction	-6959 Apr 02 j 16:58	19° ♁ 31'34	-0°51'36	retrograde	-6953 Aug 18 j 20:03	21° ♁ 10'43	
minimum elong	-6959 Apr 02 j 16:58	19° ♁ 31'35	0°51'56	opposition	-6953 Oct 31 j 05:33	19° ♁ 08'39	-0°37'00
max. Earth dist.	-6959 Apr 01 j 21:12	19° ♁ 28'37	19.97609 AU	min. Earth dist.	-6953 Nov 01 j 07:16	19° ♁ 05'50	17.57461 AU
morning rise	-6959 Apr 19 j 12:30	20° ♁ 31'26		direct	-6952 Jan 14 j 20:14	17° ♁ 03'20	
retrograde	-6959 Jul 21 j 17:18	23° ♁ 47'22		evening set	-6952 Apr 19 j 05:17	20° ♁ 28'30	
opposition	-6959 Oct 03 j 22:42	21° ♁ 45'27	-0°56'19	max. Earth dist.	-6952 May 04 j 16:02	21° ♁ 25'05	19.54687 AU
min. Earth dist.	-6959 Oct 04 j 16:02	21° ♁ 43'34	17.94271 AU				
direct	-6959 Dec 17 j 23:36	19° ♁ 42'06		conjunction	-6952 May 06 j 00:12	21° ♁ 30'01	-0°31'18

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Attention, astronomical year style is used: The year -6952 in astronomical counting style is the year 6953 BCE in historical counting style.

minimum elong	-6952 May 06 j 00:12	21° H 30'01	0°31'26	behind sun begin	-6946 Jun 04 j 15:33	19° Y 52'21	
morning rise	-6952 May 22 j 16:13	22° H 31'09		behind sun end	-6946 Jun 05 j 04:38	19° Y 54'21	
retrograde	-6952 Aug 22 j 16:38	25° H 50'53		max. Earth dist.	-6946 Jun 03 j 13:50	19° Y 48'17	19.30354 AU
opposition	-6952 Nov 04 j 01:38	23° H 48'45	-0°32'43	morning rise	-6946 Jun 21 j 07:47	20° Y 54'48	
min. Earth dist.	-6952 Nov 05 j 05:16	23° H 45'43	17.52074 AU	retrograde	-6946 Sep 20 j 13:53	24° Y 16'29	
direct	-6951 Jan 18 j 18:22	21° H 43'06		opposition	-6946 Dec 02 j 17:45	22° Y 14'12	-0°03'08
evening set	-6951 Apr 24 j 09:02	25° H 09'23		min. Earth dist.	-6946 Dec 03 j 21:59	22° Y 11'06	17.29308 AU
max. Earth dist.	-6951 May 09 j 18:42	26° H 06'00	19.49465 AU	direct	-6945 Feb 17 j 02:16	20° Y 07'21	
				evening set	-6945 May 24 j 12:58	23° Y 38'29	
conjunction	-6951 May 11 j 03:26	26° H 11'04	-0°27'20	max. Earth dist.	-6945 Jun 08 j 17:21	24° Y 35'24	19.28339 AU
minimum elong	-6951 May 11 j 03:27	26° H 11'04	0°27'25				
morning rise	-6951 May 27 j 18:40	27° H 12'19		conjunction	-6945 Jun 10 j 01:45	24° Y 40'30	-0°00'25
	-6951 Jul 24 j 09:10	0° Y		minimum elong	-6945 Jun 10 j 01:43	24° Y 40'30	0°00'17
retrograde	-6951 Aug 27 j 16:12	0° Y 32'27		behind sun begin	-6945 Jun 09 j 19:03	24° Y 39'28	
	-6951 Oct 01 j 12:00	30° R H		behind sun end	-6945 Jun 10 j 08:24	24° Y 41'31	
opposition	-6951 Nov 08 j 22:27	28° H 30'14	-0°28'12	morning rise	-6945 Jun 26 j 10:20	25° Y 41'54	
min. Earth dist.	-6951 Nov 10 j 01:55	28° H 27'14	17.47022 AU	asc. node	-6945 Jul 13 j 03:09	26° Y 41'20	
direct	-6950 Jan 23 j 19:38	26° H 24'18		retrograde	-6945 Sep 25 j 15:39	29° Y 03'49	
evening set	-6950 Apr 29 j 13:16	29° H 51'37		opposition	-6945 Dec 07 j 18:43	27° Y 01'35	0°02'08
	-6950 May 01 j 20:35	0° Y		min. Earth dist.	-6945 Dec 08 j 21:32	26° Y 58'39	17.27615 AU
max. Earth dist.	-6950 May 14 j 21:29	0° Y 48'13	19.44603 AU	direct	-6944 Feb 22 j 06:38	24° Y 54'45	
				evening set	-6944 May 28 j 17:49	28° Y 26'20	
conjunction	-6950 May 16 j 06:58	0° Y 53'25	-0°23'11	max. Earth dist.	-6944 Jun 12 j 23:15	29° Y 23'31	19.26961 AU
minimum elong	-6950 May 16 j 06:58	0° Y 53'25	0°23'13				
morning rise	-6950 Jun 01 j 21:09	1° Y 54'45		conjunction	-6944 Jun 14 j 05:34	29° Y 28'18	0°04'23
retrograde	-6950 Sep 01 j 13:46	5° Y 15'16		minimum elong	-6944 Jun 14 j 05:34	29° Y 28'18	0°04'34
opposition	-6950 Nov 13 j 20:09	3° Y 12'59	-0°23'28	behind sun begin	-6944 Jun 13 j 22:59	29° Y 27'18	
min. Earth dist.	-6950 Nov 15 j 01:07	3° Y 09'49	17.42386 AU	behind sun end	-6944 Jun 14 j 12:08	29° Y 29'19	
direct	-6949 Jan 28 j 19:21	1° Y 06'46			-6944 Jun 22 j 14:28	0° B	
evening set	-6949 May 04 j 17:43	4° Y 35'02		morning rise	-6944 Jun 30 j 12:45	0° B 29'39	
max. Earth dist.	-6949 May 20 j 00:45	5° Y 31'40	19.40206 AU	retrograde	-6944 Sep 29 j 15:22	3° B 51'43	
				opposition	-6944 Dec 11 j 20:16	1° B 49'36	0°07'25
conjunction	-6949 May 21 j 10:35	5° Y 36'55	-0°18'51	min. Earth dist.	-6944 Dec 12 j 23:04	1° B 46'41	17.26541 AU
minimum elong	-6949 May 21 j 10:35	5° Y 36'55	0°18'51		-6943 Jan 31 j 15:53	30° R Y	
morning rise	-6949 Jun 06 j 23:52	6° Y 38'20		direct	-6943 Feb 26 j 09:03	29° Y 42'49	
retrograde	-6949 Sep 06 j 14:20	9° Y 59'11			-6943 Mar 23 j 23:19	0° B	
opposition	-6949 Nov 18 j 18:27	7° Y 56'52	-0°18'34	evening set	-6943 Jun 02 j 22:50	3° B 14'45	
min. Earth dist.	-6949 Nov 19 j 22:36	7° Y 53'47	17.38239 AU	max. Earth dist.	-6943 Jun 18 j 02:42	4° B 11'50	19.26192 AU
direct	-6948 Feb 02 j 21:46	5° Y 50'24					
evening set	-6948 May 08 j 22:13	9° Y 19'31		conjunction	-6943 Jun 19 j 09:09	4° B 16'39	0°09'04
max. Earth dist.	-6948 May 24 j 04:56	10° Y 16'16	19.36321 AU	minimum elong	-6943 Jun 19 j 09:08	4° B 16'39	0°09'18
				behind sun begin	-6943 Jun 19 j 03:30	4° B 15'46	
conjunction	-6948 May 25 j 14:18	10° Y 21'29	-0°14'24	behind sun end	-6943 Jun 19 j 14:46	4° B 17'31	
minimum elong	-6948 May 25 j 14:18	10° Y 21'29	0°14'21	morning rise	-6943 Jul 05 j 15:10	5° B 17'54	
behind sun begin	-6948 May 25 j 11:20	10° Y 21'02		retrograde	-6943 Oct 04 j 16:49	8° B 40'06	
behind sun end	-6948 May 25 j 17:16	10° Y 21'56		opposition	-6943 Dec 16 j 22:24	6° B 38'04	0°12'39
morning rise	-6948 Jun 11 j 02:23	11° Y 22'55		min. Earth dist.	-6943 Dec 17 j 23:58	6° B 35'18	17.26062 AU
retrograde	-6948 Sep 10 j 12:55	14° Y 44'06		direct	-6942 Mar 03 j 14:53	4° B 31'22	
opposition	-6948 Nov 22 j 17:36	12° Y 41'45	-0°13'32	evening set	-6942 Jun 08 j 03:24	8° B 03'31	
min. Earth dist.	-6948 Nov 23 j 22:42	12° Y 38'34	17.34644 AU	max. Earth dist.	-6942 Jun 23 j 08:26	9° B 00'51	19.25987 AU
direct	-6947 Feb 06 j 21:59	10° Y 35'06					
evening set	-6947 May 14 j 03:07	14° Y 04'58		conjunction	-6942 Jun 24 j 12:33	9° B 05'18	0°13'43
max. Earth dist.	-6947 May 29 j 08:26	15° Y 01'43	19.33027 AU	minimum elong	-6942 Jun 24 j 12:32	9° B 05'18	0°13'58
				behind sun begin	-6942 Jun 24 j 09:10	9° B 04'46	
conjunction	-6947 May 30 j 18:06	15° Y 06'59	-0°09'50	behind sun end	-6942 Jun 24 j 15:55	9° B 05'49	
minimum elong	-6947 May 30 j 18:06	15° Y 06'59	0°09'46	morning rise	-6942 Jul 10 j 17:04	10° B 06'26	
behind sun begin	-6947 May 30 j 12:36	15° Y 06'09		retrograde	-6942 Oct 09 j 16:38	13° B 28'41	
behind sun end	-6947 May 30 j 23:36	15° Y 07'50		opposition	-6942 Dec 22 j 01:09	11° B 26'47	0°17'48
morning rise	-6947 Jun 16 j 05:10	16° Y 08'27		min. Earth dist.	-6942 Dec 23 j 02:04	11° B 24'04	17.26121 AU
retrograde	-6947 Sep 15 j 14:26	19° Y 29'54		direct	-6941 Mar 08 j 19:36	9° B 20'11	
opposition	-6947 Nov 27 j 17:11	17° Y 27'33	-0°08'22	evening set	-6941 Jun 13 j 07:54	12° B 52'23	
min. Earth dist.	-6947 Nov 28 j 21:03	17° Y 24'30	17.31657 AU	max. Earth dist.	-6941 Jun 28 j 11:36	13° B 49'35	19.26314 AU
direct	-6946 Feb 12 j 01:20	15° Y 20'46					
evening set	-6946 May 19 j 08:03	18° Y 51'19		conjunction	-6941 Jun 29 j 15:31	13° B 54'01	0°18'16
				minimum elong	-6941 Jun 29 j 15:31	13° B 54'01	0°18'34
conjunction	-6946 Jun 04 j 22:05	19° Y 53'21	-0°05'11	morning rise	-6941 Jul 15 j 18:51	14° B 55'01	
minimum elong	-6946 Jun 04 j 22:06	19° Y 53'21	0°05'04		-6941 Jul 17 j 03:02	15° B	

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Attention, astronomical year style is used: The year -6941 in astronomical counting style is the year 6942 BCE in historical counting style.

retrograde	-6941 Oct 14 j 17:22	18° 8 17'17		min. Earth dist.	-6934 Jan 25 j 14:26	14° II 51'46	17.40705 AU
opposition	-6941 Dec 27 j 04:07	16° 8 15'27	0°22'50	direct	-6934 Apr 12 j 06:04	12° II 47'47	
min. Earth dist.	-6941 Dec 28 j 03:54	16° 8 12'52	17.26715 AU	evening set	-6934 Jul 16 j 21:12	16° II 16'40	
	-6940 Jan 27 j 08:20	15° 8					
direct	-6940 Mar 13 j 01:22	14° 8 08'57		conjunction	-6934 Aug 01 j 19:28	17° II 16'43	0°44'43
	-6940 Apr 26 j 13:20	15° 8		minimum elong	-6934 Aug 01 j 19:28	17° II 16'43	0°45'09
evening set	-6940 Jun 17 j 11:44	17° 8 41'04		max. Earth dist.	-6934 Aug 01 j 05:52	17° II 14'33	19.42715 AU
				morning rise	-6934 Aug 17 j 14:18	18° II 16'14	
conjunction	-6940 Jul 03 j 18:10	18° 8 42'33	0°22'42	retrograde	-6934 Nov 16 j 15:39	21° II 36'51	
minimum elong	-6940 Jul 03 j 18:10	18° 8 42'33	0°23'00	opposition	-6933 Jan 30 j 03:11	19° II 35'25	0°51'24
max. Earth dist.	-6940 Jul 02 j 16:36	18° 8 38'30	19.27156 AU	min. Earth dist.	-6933 Jan 30 j 13:49	19° II 34'17	17.44901 AU
morning rise	-6940 Jul 19 j 20:05	19° 8 43'24		direct	-6933 Apr 17 j 11:04	17° II 30'13	
retrograde	-6940 Oct 18 j 17:49	23° 8 05'35		evening set	-6933 Jul 21 j 19:45	20° II 58'12	
opposition	-6940 Dec 31 j 07:25	21° 8 03'50	0°27'41				
min. Earth dist.	-6939 Jan 01 j 05:53	21° 8 01'25	17.27788 AU	conjunction	-6933 Aug 06 j 16:53	21° II 57'56	0°47'24
direct	-6939 Mar 18 j 07:11	18° 8 57'28		minimum elong	-6933 Aug 06 j 16:53	21° II 57'56	0°47'51
evening set	-6939 Jun 22 j 15:18	22° 8 29'22		max. Earth dist.	-6933 Aug 06 j 06:26	21° II 56'17	19.47189 AU
				morning rise	-6933 Aug 22 j 10:37	22° II 57'12	
conjunction	-6939 Jul 08 j 20:13	23° 8 30'39	0°26'57	retrograde	-6933 Nov 21 j 12:40	26° II 17'25	
minimum elong	-6939 Jul 08 j 20:13	23° 8 30'39	0°27'18	opposition	-6932 Feb 04 j 05:41	24° II 16'05	0°54'12
max. Earth dist.	-6939 Jul 07 j 19:22	23° 8 26'42	19.28474 AU	min. Earth dist.	-6932 Feb 04 j 14:53	24° II 15'07	17.49655 AU
morning rise	-6939 Jul 24 j 20:53	24° 8 31'19		direct	-6932 Apr 21 j 12:30	22° II 11'14	
retrograde	-6939 Oct 23 j 17:43	27° 8 53'23		evening set	-6932 Jul 25 j 17:24	25° II 38'15	
opposition	-6938 Jan 05 j 10:51	25° 8 51'41	0°32'20				
min. Earth dist.	-6938 Jan 06 j 08:17	25° 8 49'23	17.29357 AU	conjunction	-6932 Aug 10 j 13:19	26° II 37'41	0°49'46
direct	-6938 Mar 23 j 11:59	23° 8 45'27		minimum elong	-6932 Aug 10 j 13:19	26° II 37'41	0°50'13
evening set	-6938 Jun 27 j 18:07	27° 8 17'00		max. Earth dist.	-6932 Aug 10 j 04:54	26° II 36'22	19.52215 AU
				morning rise	-6932 Aug 26 j 06:17	27° II 36'41	
conjunction	-6938 Jul 13 j 21:44	28° 8 18'04	0°31'01		-6932 Oct 10 j 15:17	0° III	
minimum elong	-6938 Jul 13 j 21:44	28° 8 18'04	0°31'23	retrograde	-6932 Nov 25 j 11:25	0° III 56'29	
max. Earth dist.	-6938 Jul 12 j 23:19	28° 8 14'30	19.30293 AU		-6931 Jan 12 j 07:51	30° R II	
morning rise	-6938 Jul 29 j 21:06	29° 8 18'32		opposition	-6931 Feb 08 j 07:47	28° II 55'18	0°56'39
	-6938 Aug 10 j 06:42	0° II		min. Earth dist.	-6931 Feb 08 j 13:22	28° II 54'42	17.54922 AU
retrograde	-6938 Oct 28 j 18:37	2° II 40'24		direct	-6931 Apr 26 j 16:34	26° II 50'50	
opposition	-6937 Jan 10 j 14:24	0° II 38'46	0°36'45		-6931 Jul 25 j 23:35	0° III	
min. Earth dist.	-6937 Jan 11 j 09:42	0° II 36'41	17.31411 AU	evening set	-6931 Jul 30 j 14:01	0° III 16'48	
	-6937 Jan 25 j 21:35	30° R 8					
direct	-6937 Mar 28 j 18:08	28° 8 32'41		conjunction	-6931 Aug 15 j 08:57	1° III 15'57	0°51'48
	-6937 May 26 j 16:16	0° II		minimum elong	-6931 Aug 15 j 08:57	1° III 15'57	0°52'17
evening set	-6937 Jul 02 j 20:07	2° II 03'43		max. Earth dist.	-6931 Aug 15 j 04:03	1° III 15'10	19.57716 AU
				morning rise	-6931 Aug 31 j 00:57	2° III 14'40	
conjunction	-6937 Jul 18 j 22:20	3° II 04'34	0°34'51	retrograde	-6931 Nov 30 j 07:24	5° III 34'02	
minimum elong	-6937 Jul 18 j 22:20	3° II 04'34	0°35'14	opposition	-6930 Feb 13 j 09:42	3° III 33'00	0°58'42
max. Earth dist.	-6937 Jul 18 j 01:32	3° II 01'16	19.32602 AU	min. Earth dist.	-6930 Feb 13 j 13:46	3° III 32'35	17.60640 AU
morning rise	-6937 Aug 03 j 20:30	4° II 04'50		direct	-6930 May 01 j 17:36	1° III 28'59	
retrograde	-6937 Nov 02 j 17:27	7° II 26'27		evening set	-6930 Aug 04 j 09:52	4° III 53'51	
opposition	-6936 Jan 15 j 17:55	5° II 24'50	0°40'53				
min. Earth dist.	-6936 Jan 16 j 12:08	5° II 22'53	17.33981 AU	conjunction	-6930 Aug 20 j 03:39	5° III 52'40	0°53'29
direct	-6936 Apr 01 j 21:42	3° II 18'55		minimum elong	-6930 Aug 20 j 03:39	5° III 52'40	0°53'57
evening set	-6936 Jul 06 j 21:22	6° II 49'21		max. Earth dist.	-6930 Aug 20 j 00:30	5° III 52'10	19.63645 AU
				morning rise	-6930 Sep 04 j 19:04	6° III 51'07	
conjunction	-6936 Jul 22 j 22:17	7° II 49'56	0°38'25	retrograde	-6930 Dec 05 j 04:50	10° III 10'02	
minimum elong	-6936 Jul 22 j 22:17	7° II 49'56	0°38'50	opposition	-6929 Feb 18 j 10:59	8° III 09'10	1°00'22
max. Earth dist.	-6936 Jul 22 j 03:50	7° II 47'01	19.35436 AU	min. Earth dist.	-6929 Feb 18 j 11:39	8° III 09'06	17.66749 AU
morning rise	-6936 Aug 07 j 19:17	8° II 49'58		direct	-6929 May 06 j 19:49	6° III 05'35	
retrograde	-6936 Nov 06 j 17:59	12° II 11'16		evening set	-6929 Aug 09 j 04:34	9° III 29'17	
opposition	-6935 Jan 19 j 21:03	10° II 09'43	0°44'43				
min. Earth dist.	-6935 Jan 20 j 12:29	10° II 08'04	17.37066 AU	conjunction	-6929 Aug 24 j 21:35	10° III 27'47	0°54'49
direct	-6935 Apr 07 j 03:29	8° II 04'00		minimum elong	-6929 Aug 24 j 21:35	10° III 27'47	0°55'18
evening set	-6935 Jul 11 j 21:48	11° II 33'42		max. Earth dist.	-6929 Aug 24 j 21:59	10° III 27'51	19.69907 AU
				morning rise	-6929 Sep 09 j 12:13	11° III 25'57	
conjunction	-6935 Jul 27 j 21:24	12° II 34'02	0°41'43	retrograde	-6929 Dec 09 j 23:53	14° III 44'23	
minimum elong	-6935 Jul 27 j 21:24	12° II 34'02	0°42'08	opposition	-6928 Feb 23 j 11:54	12° III 43'41	1°01'38
max. Earth dist.	-6935 Jul 27 j 05:25	12° II 31'30	19.38792 AU	min. Earth dist.	-6928 Feb 23 j 11:05	12° III 43'47	17.73146 AU
morning rise	-6935 Aug 12 j 17:13	13° II 33'49		direct	-6928 May 10 j 19:49	10° III 40'35	
retrograde	-6935 Nov 11 j 15:50	16° II 54'47		evening set	-6928 Aug 12 j 22:37	14° III 03'02	
opposition	-6934 Jan 25 j 00:19	14° II 53'17	0°48'14				

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Attention, astronomical year style is used: The year -6928 in astronomical counting style is the year 6929 BCE in historical counting style.

conjunction	-6928 Aug 28 j 14:37	15°01'13	0°55'48		-6922 Nov 26 j 00:23	15°00'	
minimum elong	-6928 Aug 28 j 14:36	15°01'13	0°56'16	retrograde	-6921 Jan 10 j 02:02	15°05'34	
max. Earth dist.	-6928 Aug 28 j 16:19	15°01'29	19.76424 AU		-6921 Feb 26 j 03:01	15°00'	
morning rise	-6928 Sep 13 j 04:49	15°05'07		opposition	-6921 Mar 27 j 22:49	13°05'28	0°59'42
retrograde	-6928 Dec 13 j 19:35	19°01'02		min. Earth dist.	-6921 Mar 27 j 06:52	13°05'06	18.20955 AU
opposition	-6927 Feb 27 j 12:04	17°01'29	1°02'31	direct	-6921 Jun 12 j 21:43	11°05'03	
min. Earth dist.	-6927 Feb 27 j 08:15	17°01'53	17.79764 AU		-6921 Sep 11 j 22:35	15°00'	
direct	-6927 May 15 j 19:41	15°01'34		evening set	-6921 Sep 13 j 01:26	15°00'58	
evening set	-6927 Aug 17 j 15:36	18°03'00					
conjunction	-6927 Sep 02 j 06:59	19°03'25	0°56'26	conjunction	-6921 Sep 28 j 14:15	16°00'04	0°53'03
minimum elong	-6927 Sep 02 j 06:59	19°03'25	0°56'52	minimum elong	-6921 Sep 28 j 14:15	16°00'04	0°53'25
max. Earth dist.	-6927 Sep 02 j 12:03	19°03'39	19.83119 AU	max. Earth dist.	-6921 Sep 29 j 07:58	16°02'45	20.24404 AU
morning rise	-6927 Sep 17 j 20:33	20°03'09		morning rise	-6921 Oct 14 j 03:08	16°05'12	
retrograde	-6927 Dec 18 j 13:43	23°04'52		retrograde	-6920 Jan 14 j 16:38	20°09'53	
opposition	-6926 Mar 04 j 11:53	21°04'28	1°02'59	opposition	-6920 Mar 31 j 17:36	18°09'49	0°58'01
min. Earth dist.	-6926 Mar 04 j 06:27	21°04'01	17.86521 AU	min. Earth dist.	-6920 Mar 30 j 23:19	18°01'41	18.27892 AU
direct	-6926 May 20 j 18:06	19°04'13		direct	-6920 Jun 16 j 15:30	16°09'46	
evening set	-6926 Aug 22 j 07:43	23°05'04		evening set	-6920 Sep 16 j 11:53	19°02'20	
conjunction	-6926 Sep 06 j 22:15	24°02'37	0°56'42	conjunction	-6920 Oct 02 j 00:23	20°01'10	0°51'25
minimum elong	-6926 Sep 06 j 22:15	24°02'37	0°57'09	minimum elong	-6920 Oct 02 j 00:23	20°01'10	0°51'44
max. Earth dist.	-6926 Sep 07 j 04:26	24°03'34	19.89928 AU	max. Earth dist.	-6920 Oct 02 j 19:16	20°02'01	20.31349 AU
morning rise	-6926 Sep 22 j 11:38	24°05'59		morning rise	-6920 Oct 17 j 13:35	21°01'30	
retrograde	-6926 Dec 23 j 08:27	28°01'47		retrograde	-6919 Jan 18 j 06:22	24°02'10	
opposition	-6925 Mar 09 j 10:54	26°01'29	1°03'04	opposition	-6919 Apr 05 j 11:36	22°02'10	0°56'01
min. Earth dist.	-6925 Mar 09 j 02:51	26°01'19	17.93371 AU	min. Earth dist.	-6919 Apr 04 j 15:40	22°02'11	18.34858 AU
direct	-6925 May 25 j 15:48	24°01'38		direct	-6919 Jun 21 j 07:03	20°02'29	
evening set	-6925 Aug 26 j 22:48	27°03'08		evening set	-6919 Sep 20 j 21:24	23°03'44	
conjunction	-6925 Sep 11 j 12:57	28°03'02	0°56'37	conjunction	-6919 Oct 06 j 10:02	24°03'20	0°49'31
minimum elong	-6925 Sep 11 j 12:57	28°03'02	0°57'02	minimum elong	-6919 Oct 06 j 10:02	24°03'20	0°49'50
max. Earth dist.	-6925 Sep 11 j 22:18	28°03'49	19.96793 AU	max. Earth dist.	-6919 Oct 07 j 07:49	24°03'37	20.38316 AU
morning rise	-6925 Sep 27 j 01:55	29°02'29		morning rise	-6919 Oct 21 j 23:22	25°02'03	
retrograde	-6925 Oct 06 j 06:07	0°00'		retrograde	-6918 Jan 22 j 20:27	28°04'34	
opposition	-6925 Dec 28 j 01:16	2°04'30		min. Earth dist.	-6918 Apr 09 j 06:24	26°04'25	18.41811 AU
min. Earth dist.	-6924 Mar 13 j 09:01	0°04'28	1°02'46	opposition	-6918 Apr 10 j 04:44	26°04'39	0°53'44
direct	-6924 Mar 12 j 23:17	0°04'28	18.00244 AU	direct	-6918 Jun 25 j 22:54	24°04'23	
evening set	-6924 Mar 31 j 09:53	30°00'		evening set	-6918 Sep 25 j 06:16	27°05'02	
conjunction	-6924 Sep 15 j 02:35	2°05'04	0°56'12	conjunction	-6918 Oct 10 j 18:50	28°04'44	0°47'21
minimum elong	-6924 Sep 15 j 02:35	2°05'04	0°56'38	minimum elong	-6918 Oct 10 j 18:50	28°04'44	0°47'37
max. Earth dist.	-6924 Sep 15 j 12:53	2°05'39	20.03677 AU	max. Earth dist.	-6918 Oct 11 j 17:40	28°04'09	20.45249 AU
morning rise	-6924 Sep 30 j 15:33	3°05'25		morning rise	-6918 Oct 26 j 08:41	29°04'16	
retrograde	-6924 Dec 31 j 18:42	7°08'29		retrograde	-6918 Oct 31 j 18:16	0°00'	
opposition	-6923 Mar 18 j 06:28	5°08'19	1°02'06	opposition	-6917 Jan 27 j 08:44	2°05'31	
min. Earth dist.	-6923 Mar 17 j 18:32	5°09'33	18.07138 AU	min. Earth dist.	-6917 Apr 14 j 21:08	0°05'26	0°51'11
direct	-6923 Jun 03 j 08:29	3°07'13		direct	-6917 Apr 13 j 21:44	0°05'48	18.48717 AU
evening set	-6923 Sep 04 j 02:02	6°02'25		evening set	-6917 May 07 j 17:56	30°00'	
conjunction	-6923 Sep 19 j 15:20	7°01'35	0°55'28	direct	-6917 Jun 30 j 12:07	28°05'34	
minimum elong	-6923 Sep 19 j 15:20	7°01'35	0°55'51	evening set	-6917 Aug 20 j 15:12	0°00'	
max. Earth dist.	-6923 Sep 20 j 04:49	7°02'38	20.10571 AU	conjunction	-6917 Sep 29 j 14:25	2°00'21	
morning rise	-6923 Oct 05 j 04:04	8°01'11		minimum elong	-6917 Oct 15 j 03:17	2°05'30	0°44'57
retrograde	-6922 Jan 05 j 10:24	11°03'07		minimum elong	-6917 Oct 15 j 03:17	2°05'30	0°45'13
opposition	-6922 Mar 23 j 03:08	9°03'00	1°01'04	max. Earth dist.	-6917 Oct 16 j 04:32	3°01'16	20.52098 AU
min. Earth dist.	-6922 Mar 22 j 13:07	9°03'26	18.14029 AU	morning rise	-6917 Oct 30 j 17:25	3°02'52	
direct	-6922 Jun 08 j 03:50	7°03'15		retrograde	-6916 Jan 31 j 22:06	7°04'18	
evening set	-6922 Sep 08 j 14:18	10°04'42		min. Earth dist.	-6916 Apr 17 j 11:00	5°07'12	18.55489 AU
conjunction	-6922 Sep 24 j 03:08	11°04'05	0°54'24	opposition	-6916 Apr 18 j 12:29	5°04'38	0°48'22
minimum elong	-6922 Sep 24 j 03:09	11°04'05	0°54'47	direct	-6916 Jul 04 j 02:21	3°06'11	
max. Earth dist.	-6922 Sep 24 j 17:46	11°04'08	20.17473 AU	evening set	-6916 Oct 02 j 22:08	6°00'12	
morning rise	-6922 Oct 09 j 16:04	12°03'16		conjunction	-6916 Oct 18 j 11:03	7°00'46	0°42'19
				minimum elong	-6916 Oct 18 j 11:03	7°00'46	0°42'33
				max. Earth dist.	-6916 Oct 19 j 13:03	7°01'38	20.58782 AU
				morning rise	-6916 Nov 03 j 01:49	8°00'25	
				retrograde	-6915 Feb 04 j 09:14	11°00'13	

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Attention, astronomical year style is used: The year -6915 in astronomical counting style is the year 6916 BCE in historical counting style.

min. Earth dist.	-6915 Apr 22 j 01:25	9° <u>16</u> '59	18.62080 AU	conjunction	-6909 Nov 16 j 07:13	5° <u>42</u> '43	0°19'06
opposition	-6915 Apr 23 j 03:23	9° <u>14</u> '23	0°45'19	minimum elong	-6909 Nov 16 j 07:13	5° <u>42</u> '43	0°19'06
direct	-6915 Jul 08 j 13:28	7° <u>16</u> '20		max. Earth dist.	-6909 Nov 17 j 14:22	5° <u>47</u> '13	20.95945 AU
evening set	-6915 Oct 07 j 05:02	10° <u>21</u> '50		morning rise	-6909 Dec 02 j 03:00	6° <u>37</u> '14	
				retrograde	-6908 Mar 05 j 06:56	9° <u>45</u> '15	
conjunction	-6915 Oct 22 j 18:23	11° <u>16</u> '37	0°39'29	min. Earth dist.	-6908 May 21 j 08:29	7° <u>48</u> '58	18.97836 AU
minimum elong	-6915 Oct 22 j 18:24	11° <u>16</u> '37	0°39'41	opposition	-6908 May 22 j 14:44	7° <u>45</u> '57	0°18'58
max. Earth dist.	-6915 Oct 23 j 22:22	11° <u>20</u> '46	20.65249 AU	direct	-6908 Aug 06 j 10:01	5° <u>49</u> '38	
morning rise	-6915 Nov 07 j 09:36	12° <u>11</u> '41		evening set	-6908 Nov 03 j 19:02	8° <u>48</u> '48	
retrograde	-6914 Feb 08 j 21:35	15° <u>22</u> '11					
opposition	-6914 Apr 27 j 17:27	13° <u>22</u> '45	0°42'03	conjunction	-6908 Nov 19 j 12:11	9° <u>42</u> '47	0°15'20
min. Earth dist.	-6914 Apr 26 j 13:38	13° <u>25</u> '32	18.68400 AU	minimum elong	-6908 Nov 19 j 12:11	9° <u>42</u> '47	0°15'18
direct	-6914 Jul 13 j 02:37	11° <u>25</u> '05		behind sun begin	-6908 Nov 19 j 09:59	9° <u>42</u> '29	
evening set	-6914 Oct 11 j 11:48	14° <u>29</u> '31		behind sun end	-6908 Nov 19 j 14:23	9° <u>43</u> '06	
				max. Earth dist.	-6908 Nov 20 j 19:12	9° <u>47</u> '15	20.99550 AU
conjunction	-6914 Oct 27 j 01:23	15° <u>24</u> '09	0°36'27	morning rise	-6908 Dec 05 j 08:59	10° <u>37</u> '16	
minimum elong	-6914 Oct 27 j 01:23	15° <u>24</u> '09	0°36'37	retrograde	-6907 Mar 09 j 14:14	13° <u>44</u> '57	
max. Earth dist.	-6914 Oct 28 j 05:40	15° <u>28</u> '19	20.71407 AU	opposition	-6907 May 26 j 23:59	11° <u>45</u> '37	0°14'46
morning rise	-6914 Nov 11 j 17:21	16° <u>19</u> '05		min. Earth dist.	-6907 May 25 j 18:36	11° <u>48</u> '33	19.01263 AU
retrograde	-6913 Feb 13 j 07:53	19° <u>29</u> '08		direct	-6907 Aug 10 j 15:19	9° <u>49</u> '25	
min. Earth dist.	-6913 May 01 j 03:08	17° <u>32</u> '33	18.74394 AU	evening set	-6907 Nov 07 j 22:58	12° <u>47</u> '55	
opposition	-6913 May 02 j 06:47	17° <u>29</u> '47	0°38'34				
direct	-6913 Jul 17 j 12:04	15° <u>32</u> '27		conjunction	-6907 Nov 23 j 17:02	13° <u>41</u> '52	0°11'31
evening set	-6913 Oct 15 j 17:57	18° <u>35</u> '54		minimum elong	-6907 Nov 23 j 17:02	13° <u>41</u> '52	0°11'27
				behind sun begin	-6907 Nov 23 j 12:15	13° <u>41</u> '11	
conjunction	-6913 Oct 31 j 08:07	19° <u>30</u> '23	0°33'15	behind sun end	-6907 Nov 23 j 21:49	13° <u>42</u> '32	
minimum elong	-6913 Oct 31 j 08:08	19° <u>30</u> '23	0°33'22	max. Earth dist.	-6907 Nov 25 j 00:51	13° <u>46</u> '26	21.02798 AU
max. Earth dist.	-6913 Nov 01 j 13:42	19° <u>34</u> '43	20.77204 AU	morning rise	-6907 Dec 09 j 14:41	14° <u>36</u> '19	
morning rise	-6913 Nov 16 j 00:39	20° <u>25</u> '13		retrograde	-6906 Mar 13 j 22:56	17° <u>43</u> '43	
retrograde	-6912 Feb 17 j 18:52	23° <u>34</u> '49		min. Earth dist.	-6906 May 30 j 02:00	15° <u>47</u> '22	19.04326 AU
opposition	-6912 May 05 j 19:20	21° <u>35</u> '33	0°34'55	opposition	-6906 May 31 j 08:28	15° <u>44</u> '20	0°10'30
min. Earth dist.	-6912 May 04 j 14:13	21° <u>38</u> '28	18.79979 AU	direct	-6906 Aug 14 j 22:51	13° <u>48</u> '15	
direct	-6912 Jul 20 j 23:44	19° <u>38</u> '31		evening set	-6906 Nov 12 j 03:03	16° <u>46</u> '11	
evening set	-6912 Oct 18 j 23:45	22° <u>41</u> '00					
				conjunction	-6906 Nov 27 j 21:48	17° <u>40</u> '06	0°07'40
conjunction	-6912 Nov 03 j 14:16	23° <u>35</u> '21	0°29'53	minimum elong	-6906 Nov 27 j 21:49	17° <u>40</u> '06	0°07'34
minimum elong	-6912 Nov 03 j 14:16	23° <u>35</u> '21	0°30'00	behind sun begin	-6906 Nov 27 j 15:49	17° <u>39</u> '16	
max. Earth dist.	-6912 Nov 04 j 19:47	23° <u>39</u> '39	20.82564 AU	behind sun end	-6906 Nov 28 j 03:48	17° <u>40</u> '56	
morning rise	-6912 Nov 19 j 07:38	24° <u>30</u> '05		max. Earth dist.	-6906 Nov 29 j 05:16	17° <u>44</u> '36	21.05675 AU
retrograde	-6911 Feb 21 j 04:13	27° <u>39</u> '16		morning rise	-6906 Dec 13 j 20:32	18° <u>34</u> '33	
min. Earth dist.	-6911 May 09 j 02:48	25° <u>42</u> '54	18.85121 AU	retrograde	-6905 Mar 18 j 05:40	21° <u>41</u> '42	
opposition	-6911 May 10 j 07:25	25° <u>40</u> '02	0°31'06	min. Earth dist.	-6905 Jun 03 j 11:07	19° <u>45</u> '14	19.07031 AU
direct	-6911 Jul 25 j 08:10	23° <u>43</u> '15		opposition	-6905 Jun 04 j 16:25	19° <u>42</u> '18	0°06'13
evening set	-6911 Oct 23 j 05:04	26° <u>44</u> '49		direct	-6905 Aug 19 j 03:01	17° <u>46</u> '19	
				evening set	-6905 Nov 16 j 06:53	20° <u>43</u> '47	
conjunction	-6911 Nov 07 j 20:18	27° <u>39</u> '03	0°26'24				
minimum elong	-6911 Nov 07 j 20:19	27° <u>39</u> '03	0°26'28	conjunction	-6905 Dec 02 j 02:39	21° <u>37</u> '41	0°03'48
max. Earth dist.	-6911 Nov 09 j 02:49	27° <u>43</u> '29	20.87480 AU	minimum elong	-6905 Dec 02 j 02:37	21° <u>37</u> '41	0°03'41
morning rise	-6911 Nov 23 j 14:22	28° <u>33</u> '42		behind sun begin	-6905 Dec 01 j 20:06	21° <u>36</u> '47	
	-6911 Dec 20 j 20:14	0° <u>42</u> '28		behind sun end	-6905 Dec 02 j 09:09	21° <u>38</u> '36	
retrograde	-6910 Feb 25 j 13:57	1° <u>42</u> '28		max. Earth dist.	-6905 Dec 03 j 10:30	21° <u>42</u> '15	21.08200 AU
	-6910 May 07 j 18:20	30° <u>48</u> ' <u>17</u>		morning rise	-6905 Dec 18 j 02:14	22° <u>32</u> '09	
opposition	-6910 May 14 j 18:33	29° <u>43</u> '15	0°27'10	retrograde	-6904 Mar 21 j 14:27	25° <u>39</u> '06	
min. Earth dist.	-6910 May 13 j 12:40	29° <u>46</u> '14	18.89801 AU	opposition	-6904 Jun 07 j 23:53	23° <u>39</u> '42	0°01'54
direct	-6910 Jul 29 j 18:15	27° <u>46</u> '39		min. Earth dist.	-6904 Jun 06 j 17:46	23° <u>42</u> '43	19.09360 AU
	-6910 Oct 13 j 00:24	0° <u>47</u> '21		direct	-6904 Aug 22 j 09:13	21° <u>43</u> '49	
evening set	-6910 Oct 27 j 10:05	0° <u>47</u> '21		desc. node	-6904 Nov 17 j 12:36	24° <u>34</u> '29	
				evening set	-6904 Nov 19 j 10:42	24° <u>40</u> '53	
conjunction	-6910 Nov 12 j 01:51	1° <u>41</u> '29	0°22'48				
minimum elong	-6910 Nov 12 j 01:51	1° <u>41</u> '29	0°22'50	conjunction	-6904 Dec 05 j 07:12	25° <u>34</u> '48	-0°00'12
max. Earth dist.	-6910 Nov 13 j 08:10	1° <u>45</u> '53	20.91929 AU	minimum elong	-6904 Dec 05 j 07:12	25° <u>34</u> '48	0°00'21
morning rise	-6910 Nov 27 j 20:54	2° <u>36</u> '04		behind sun begin	-6904 Dec 05 j 00:38	25° <u>33</u> '54	
retrograde	-6909 Mar 01 j 22:13	3° <u>44</u> '28		behind sun end	-6904 Dec 05 j 13:46	25° <u>35</u> '43	
min. Earth dist.	-6909 May 18 j 00:04	3° <u>48</u> '06	18.94032 AU	max. Earth dist.	-6904 Dec 06 j 14:28	25° <u>39</u> '16	21.10329 AU
opposition	-6909 May 19 j 05:08	3° <u>45</u> '12	0°23'07	morning rise	-6904 Dec 21 j 07:54	26° <u>29</u> '18	
direct	-6909 Aug 03 j 01:15	1° <u>48</u> '46		retrograde	-6903 Mar 25 j 21:16	29° <u>36</u> '07	
evening set	-6909 Oct 31 j 14:38	4° <u>48</u> '39		min. Earth dist.	-6903 Jun 11 j 02:29	27° <u>39</u> '36	19.11289 AU

Attention, astronomical year style is used: The year -6903 in astronomical counting style is the year 6904 BCE in historical counting style.

opposition	-6903 Jun 12 j 07:10	27° <u>♊</u> 36'43	-0°02'26
direct	-6903 Aug 26 j 13:05	25° <u>♊</u> 40'56	
evening set	-6903 Nov 23 j 14:37	28° <u>♊</u> 37'42	
conjunction	-6903 Dec 09 j 12:11	29° <u>♊</u> 31'39	-0°04'09
minimum elong	-6903 Dec 09 j 12:11	29° <u>♊</u> 31'39	0°04'19
behind sun begin	-6903 Dec 09 j 05:41	29° <u>♊</u> 30'45	
behind sun end	-6903 Dec 09 j 18:40	29° <u>♊</u> 32'33	
max. Earth dist.	-6903 Dec 10 j 19:29	29° <u>♊</u> 36'06	21.12053 AU
	-6903 Dec 17 j 19:21	0° <u>♋</u>	
morning rise	-6903 Dec 25 j 13:49	0° <u>♋</u> 26'11	
retrograde	-6902 Mar 30 j 06:07	3° <u>♋</u> 32'53	
min. Earth dist.	-6902 Jun 15 j 08:46	1° <u>♋</u> 36'26	19.12782 AU
opposition	-6902 Jun 16 j 13:50	1° <u>♋</u> 33'31	-0°06'44
	-6902 Jul 31 j 18:17	30° <u>♋</u> <u>♌</u>	
direct	-6902 Aug 30 j 18:19	29° <u>♌</u> 37'49	
	-6902 Sep 29 j 04:07	0° <u>♋</u>	
evening set	-6902 Nov 27 j 18:53	2° <u>♋</u> 34'21	
conjunction	-6902 Dec 13 j 17:16	3° <u>♋</u> 28'21	-0°08'01
minimum elong	-6902 Dec 13 j 17:16	3° <u>♋</u> 28'21	0°08'14
behind sun begin	-6902 Dec 13 j 11:25	3° <u>♋</u> 27'33	
behind sun end	-6902 Dec 13 j 23:08	3° <u>♋</u> 29'10	
max. Earth dist.	-6902 Dec 14 j 23:27	3° <u>♋</u> 32'39	21.13303 AU
morning rise	-6902 Dec 29 j 20:03	4° <u>♋</u> 22'57	
retrograde	-6901 Apr 03 j 13:06	7° <u>♋</u> 29'36	
opposition	-6901 Jun 20 j 20:26	5° <u>♋</u> 30'15	-0°11'01
min. Earth dist.	-6901 Jun 19 j 17:17	5° <u>♋</u> 32'59	19.13786 AU
direct	-6901 Sep 03 j 21:55	3° <u>♋</u> 34'36	
evening set	-6901 Dec 01 j 23:13	6° <u>♋</u> 31'01	
conjunction	-6901 Dec 17 j 22:39	7° <u>♋</u> 25'04	-0°11'51
minimum elong	-6901 Dec 17 j 22:40	7° <u>♋</u> 25'04	0°12'06
behind sun begin	-6901 Dec 17 j 18:10	7° <u>♋</u> 24'27	
behind sun end	-6901 Dec 18 j 03:09	7° <u>♋</u> 25'42	
max. Earth dist.	-6901 Dec 19 j 04:21	7° <u>♋</u> 29'17	21.14049 AU
morning rise	-6900 Jan 03 j 02:20	8° <u>♋</u> 19'44	
retrograde	-6900 Apr 06 j 22:05	11° <u>♋</u> 26'23	
min. Earth dist.	-6900 Jun 22 j 23:29	9° <u>♋</u> 29'46	19.14253 AU
opposition	-6900 Jun 24 j 02:34	9° <u>♋</u> 27'02	-0°15'14
direct	-6900 Sep 07 j 02:56	7° <u>♋</u> 31'24	
evening set	-6900 Dec 05 j 04:00	10° <u>♋</u> 27'45	
conjunction	-6900 Dec 21 j 04:19	11° <u>♋</u> 21'54	-0°15'39
minimum elong	-6900 Dec 21 j 04:19	11° <u>♋</u> 21'54	0°15'55
behind sun begin	-6900 Dec 21 j 03:32	11° <u>♋</u> 21'48	
behind sun end	-6900 Dec 21 j 05:05	11° <u>♋</u> 22'00	
max. Earth dist.	-6900 Dec 22 j 08:25	11° <u>♋</u> 25'53	21.14230 AU
morning rise	-6899 Jan 06 j 09:06	12° <u>♋</u> 16'40	
	-6899 Mar 10 j 22:26	15° <u>♋</u>	
retrograde	-6899 Apr 11 j 04:53	15° <u>♋</u> 23'20	
	-6899 May 12 j 23:31	15° <u>♋</u> <u>♌</u>	
min. Earth dist.	-6899 Jun 27 j 07:56	13° <u>♋</u> 26'27	19.14146 AU
opposition	-6899 Jun 28 j 08:44	13° <u>♋</u> 23'58	-0°19'23
direct	-6899 Sep 11 j 06:16	11° <u>♋</u> 28'18	
evening set	-6899 Dec 09 j 08:57	14° <u>♋</u> 24'40	
	-6899 Dec 19 j 21:07	15° <u>♋</u>	
conjunction	-6899 Dec 25 j 10:26	15° <u>♋</u> 18'55	-0°19'21
minimum elong	-6899 Dec 25 j 10:25	15° <u>♋</u> 18'54	0°19'39
max. Earth dist.	-6899 Dec 26 j 13:34	15° <u>♋</u> 22'45	21.13829 AU
morning rise	-6898 Jan 10 j 16:11	16° <u>♋</u> 13'46	