

Planetary Phenomena of Neptune 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.

retrograde	-7400 Feb 04 j 05:24	9° $\mathring{\mu}$ 26'25		conjunction	-7394 Nov 05 j 21:01	22° $\mathring{\mu}$ 19'07	1°31'39
opposition	-7400 Apr 25 j 04:39	8° $\mathring{\mu}$ 02'33	2°05'34	minimum elong	-7394 Nov 05 j 21:02	22° $\mathring{\mu}$ 19'07	1°31'45
min. Earth dist.	-7400 Apr 24 j 14:59	8° $\mathring{\mu}$ 03'29	29.17067 AU	max. Earth dist.	-7394 Nov 06 j 15:23	22° $\mathring{\mu}$ 20'51	31.10720 AU
direct	-7400 Jul 13 j 11:26	6° $\mathring{\mu}$ 39'45		morning rise	-7394 Nov 21 j 05:56	22° $\mathring{\mu}$ 53'46	
evening set	-7400 Oct 08 j 06:37	8° $\mathring{\mu}$ 32'48		retrograde	-7393 Feb 19 j 21:38	24° $\mathring{\mu}$ 51'25	
				opposition	-7393 May 11 j 23:29	23° $\mathring{\mu}$ 26'57	1°35'30
conjunction	-7400 Oct 23 j 09:44	9° $\mathring{\mu}$ 06'56	1°55'46	min. Earth dist.	-7393 May 11 j 04:50	23° $\mathring{\mu}$ 28'14	29.10318 AU
minimum elong	-7400 Oct 23 j 09:45	9° $\mathring{\mu}$ 06'56	1°55'59	direct	-7393 Jul 29 j 18:37	22° $\mathring{\mu}$ 04'11	
max. Earth dist.	-7400 Oct 23 j 23:00	9° $\mathring{\mu}$ 08'11	31.16604 AU	evening set	-7393 Oct 24 j 00:18	23° $\mathring{\mu}$ 56'38	
morning rise	-7400 Nov 07 j 15:12	9° $\mathring{\mu}$ 41'17					
retrograde	-7399 Feb 05 j 19:37	11° $\mathring{\mu}$ 38'26		conjunction	-7393 Nov 08 j 06:50	24° $\mathring{\mu}$ 31'03	1°27'08
opposition	-7399 Apr 27 j 17:40	10° $\mathring{\mu}$ 14'31	2°01'46	minimum elong	-7393 Nov 08 j 06:51	24° $\mathring{\mu}$ 31'03	1°27'14
min. Earth dist.	-7399 Apr 27 j 03:16	10° $\mathring{\mu}$ 15'30	29.16373 AU	max. Earth dist.	-7393 Nov 09 j 01:10	24° $\mathring{\mu}$ 32'47	31.09771 AU
direct	-7399 Jul 15 j 20:45	8° $\mathring{\mu}$ 51'45		morning rise	-7393 Nov 23 j 16:35	25° $\mathring{\mu}$ 05'46	
evening set	-7399 Oct 10 j 15:57	10° $\mathring{\mu}$ 44'45		retrograde	-7392 Feb 22 j 10:36	27° $\mathring{\mu}$ 03'30	
				opposition	-7392 May 13 j 12:21	25° $\mathring{\mu}$ 38'58	1°30'36
conjunction	-7399 Oct 25 j 19:37	11° $\mathring{\mu}$ 18'55	1°52'08	min. Earth dist.	-7392 May 12 j 17:18	25° $\mathring{\mu}$ 40'16	29.09430 AU
minimum elong	-7399 Oct 25 j 19:38	11° $\mathring{\mu}$ 18'55	1°52'21	direct	-7392 Jul 31 j 04:07	24° $\mathring{\mu}$ 16'12	
max. Earth dist.	-7399 Oct 26 j 10:16	11° $\mathring{\mu}$ 20'18	31.15844 AU	evening set	-7392 Oct 25 j 09:46	26° $\mathring{\mu}$ 08'35	
morning rise	-7399 Nov 10 j 01:31	11° $\mathring{\mu}$ 53'19					
retrograde	-7398 Feb 08 j 07:14	13° $\mathring{\mu}$ 50'35		conjunction	-7392 Nov 09 j 17:02	26° $\mathring{\mu}$ 43'03	1°22'29
opposition	-7398 Apr 30 j 06:49	12° $\mathring{\mu}$ 26'36	1°57'48	minimum elong	-7392 Nov 09 j 17:03	26° $\mathring{\mu}$ 43'03	1°22'33
min. Earth dist.	-7398 Apr 29 j 16:28	12° $\mathring{\mu}$ 27'35	29.15539 AU	max. Earth dist.	-7392 Nov 10 j 13:19	26° $\mathring{\mu}$ 44'58	31.08941 AU
direct	-7398 Jul 18 j 07:29	11° $\mathring{\mu}$ 03'52		morning rise	-7392 Nov 25 j 03:16	27° $\mathring{\mu}$ 17'49	
evening set	-7398 Oct 13 j 01:18	12° $\mathring{\mu}$ 56'47		retrograde	-7391 Feb 23 j 21:01	29° $\mathring{\mu}$ 15'38	
				min. Earth dist.	-7391 May 15 j 04:47	27° $\mathring{\mu}$ 52'25	29.08647 AU
conjunction	-7398 Oct 28 j 05:22	13° $\mathring{\mu}$ 31'00	1°48'20	opposition	-7391 May 16 j 00:54	27° $\mathring{\mu}$ 51'02	1°25'34
minimum elong	-7398 Oct 28 j 05:23	13° $\mathring{\mu}$ 31'00	1°48'31	direct	-7391 Aug 02 j 15:41	26° $\mathring{\mu}$ 28'18	
max. Earth dist.	-7398 Oct 28 j 20:01	13° $\mathring{\mu}$ 32'23	31.14960 AU	evening set	-7391 Oct 27 j 19:26	28° $\mathring{\mu}$ 20'38	
morning rise	-7398 Nov 12 j 11:54	14° $\mathring{\mu}$ 05'27					
retrograde	-7397 Feb 10 j 21:17	16° $\mathring{\mu}$ 02'48		conjunction	-7391 Nov 12 j 03:08	28° $\mathring{\mu}$ 55'08	1°17'42
opposition	-7397 May 02 j 19:54	14° $\mathring{\mu}$ 38'45	1°53'39	minimum elong	-7391 Nov 12 j 03:09	28° $\mathring{\mu}$ 55'08	1°17'47
min. Earth dist.	-7397 May 02 j 04:10	14° $\mathring{\mu}$ 39'49	29.14583 AU	max. Earth dist.	-7391 Nov 12 j 23:17	28° $\mathring{\mu}$ 57'03	31.08224 AU
direct	-7397 Jul 20 j 18:56	13° $\mathring{\mu}$ 16'01		morning rise	-7391 Nov 27 j 14:11	29° $\mathring{\mu}$ 29'58	
evening set	-7397 Oct 15 j 10:43	15° $\mathring{\mu}$ 08'51			-7391 Dec 11 j 14:53	0° $\mathring{\mu}$	
				retrograde	-7390 Feb 26 j 10:25	1° $\mathring{\mu}$ 27'53	
conjunction	-7397 Oct 30 j 15:16	15° $\mathring{\mu}$ 43'06	1°44'23	opposition	-7390 May 18 j 13:37	0° $\mathring{\mu}$ 03'15	1°20'23
minimum elong	-7397 Oct 30 j 15:17	15° $\mathring{\mu}$ 43'06	1°44'34	min. Earth dist.	-7390 May 17 j 16:33	0° $\mathring{\mu}$ 04'41	29.07970 AU
max. Earth dist.	-7397 Oct 31 j 06:39	15° $\mathring{\mu}$ 44'33	31.13949 AU		-7390 May 20 j 13:06	30° $\mathring{\mu}$	
morning rise	-7397 Nov 14 j 22:24	16° $\mathring{\mu}$ 17'36		direct	-7390 Aug 05 j 00:26	28° $\mathring{\mu}$ 40'33	
retrograde	-7396 Feb 13 j 10:03	18° $\mathring{\mu}$ 15'03			-7390 Oct 14 j 18:15	0° $\mathring{\mu}$	
opposition	-7396 May 04 j 09:01	16° $\mathring{\mu}$ 50'53	1°49'21	evening set	-7390 Oct 30 j 04:59	0° $\mathring{\mu}$ 32'50	
min. Earth dist.	-7396 May 03 j 17:39	16° $\mathring{\mu}$ 51'55	29.13523 AU				
direct	-7396 Jul 22 j 07:05	15° $\mathring{\mu}$ 28'09		conjunction	-7390 Nov 14 j 13:20	1° $\mathring{\mu}$ 07'23	1°12'48
evening set	-7396 Oct 16 j 20:02	17° $\mathring{\mu}$ 20'52		minimum elong	-7390 Nov 14 j 13:20	1° $\mathring{\mu}$ 07'23	1°12'51
				max. Earth dist.	-7390 Nov 15 j 11:07	1° $\mathring{\mu}$ 09'27	31.07579 AU
conjunction	-7396 Nov 01 j 01:10	17° $\mathring{\mu}$ 55'10	1°40'17	morning rise	-7390 Nov 30 j 00:55	1° $\mathring{\mu}$ 42'16	
minimum elong	-7396 Nov 01 j 01:11	17° $\mathring{\mu}$ 55'10	1°40'26	retrograde	-7389 Feb 28 j 22:01	3° $\mathring{\mu}$ 40'17	
max. Earth dist.	-7396 Nov 01 j 17:26	17° $\mathring{\mu}$ 56'42	31.12873 AU	min. Earth dist.	-7389 May 20 j 05:11	2° $\mathring{\mu}$ 17'04	29.07343 AU
morning rise	-7396 Nov 16 j 08:54	18° $\mathring{\mu}$ 29'43		opposition	-7389 May 21 j 02:23	2° $\mathring{\mu}$ 15'37	1°15'05
retrograde	-7395 Feb 14 j 23:16	20° $\mathring{\mu}$ 27'14		direct	-7389 Aug 07 j 10:25	0° $\mathring{\mu}$ 52'58	
opposition	-7395 May 06 j 21:53	19° $\mathring{\mu}$ 02'58	1°44'53	evening set	-7389 Nov 01 j 14:50	2° $\mathring{\mu}$ 45'13	
min. Earth dist.	-7395 May 06 j 04:45	19° $\mathring{\mu}$ 04'08	29.12416 AU				
direct	-7395 Jul 24 j 19:27	17° $\mathring{\mu}$ 40'12		conjunction	-7389 Nov 16 j 23:43	3° $\mathring{\mu}$ 19'48	1°07'47
evening set	-7395 Oct 19 j 05:31	19° $\mathring{\mu}$ 32'50		minimum elong	-7389 Nov 16 j 23:44	3° $\mathring{\mu}$ 19'49	1°07'50
				max. Earth dist.	-7389 Nov 17 j 21:43	3° $\mathring{\mu}$ 21'53	31.06983 AU
conjunction	-7395 Nov 03 j 11:01	20° $\mathring{\mu}$ 07'10	1°36'02	morning rise	-7389 Dec 02 j 12:02	3° $\mathring{\mu}$ 54'44	
minimum elong	-7395 Nov 03 j 11:02	20° $\mathring{\mu}$ 07'10	1°36'10	retrograde	-7388 Mar 02 j 12:31	5° $\mathring{\mu}$ 52'51	
max. Earth dist.	-7395 Nov 04 j 03:34	20° $\mathring{\mu}$ 08'44	31.11766 AU	opposition	-7388 May 22 j 14:59	4° $\mathring{\mu}$ 28'10	1°09'40
morning rise	-7395 Nov 18 j 19:28	20° $\mathring{\mu}$ 41'46		min. Earth dist.	-7388 May 21 j 16:34	4° $\mathring{\mu}$ 29'42	29.06743 AU
retrograde	-7394 Feb 17 j 10:17	22° $\mathring{\mu}$ 39'21		direct	-7388 Aug 08 j 21:09	3° $\mathring{\mu}$ 05'32	
opposition	-7394 May 09 j 10:43	21° $\mathring{\mu}$ 14'59	1°40'16	evening set	-7388 Nov 03 j 00:53	4° $\mathring{\mu}$ 57'46	
min. Earth dist.	-7394 May 08 j 17:49	21° $\mathring{\mu}$ 16'08	29.11329 AU				
direct	-7394 Jul 27 j 06:07	19° $\mathring{\mu}$ 52'12		conjunction	-7388 Nov 18 j 10:19	5° $\mathring{\mu}$ 32'25	1°02'40
evening set	-7394 Oct 21 j 14:51	21° $\mathring{\mu}$ 44'45		minimum elong	-7388 Nov 18 j 10:20	5° $\mathring{\mu}$ 32'25	1°02'40

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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.

max. Earth dist.	-7388 Nov 19 j 08:51	5° <u>♁</u> 34'32	31.06363 AU	conjunction	-7381 Dec 04 j 15:19	21° <u>♁</u> 02'22	0°24'40
morning rise	-7388 Dec 03 j 23:20	6° <u>♁</u> 07'24		minimum elong	-7381 Dec 04 j 15:20	21° <u>♁</u> 02'22	0°24'33
retrograde	-7387 Mar 05 j 01:49	8° <u>♁</u> 05'36		max. Earth dist.	-7381 Dec 05 j 16:37	21° <u>♁</u> 04'45	30.99967 AU
min. Earth dist.	-7387 May 24 j 05:58	6° <u>♁</u> 42'22	29.06095 AU	morning rise	-7381 Dec 20 j 08:53	21° <u>♁</u> 37'42	
opposition	-7387 May 25 j 03:45	6° <u>♁</u> 40'53	1°04'08	retrograde	-7380 Mar 20 j 17:51	23° <u>♁</u> 36'15	
direct	-7387 Aug 11 j 08:07	5° <u>♁</u> 18'17		opposition	-7380 Jun 09 j 19:14	22° <u>♁</u> 11'03	0°23'15
evening set	-7387 Nov 05 j 11:01	7° <u>♁</u> 10'29		min. Earth dist.	-7380 Jun 08 j 19:18	22° <u>♁</u> 12'42	28.99568 AU
				direct	-7380 Aug 26 j 13:45	20° <u>♁</u> 48'18	
				evening set	-7380 Nov 20 j 12:22	22° <u>♁</u> 40'14	
conjunction	-7387 Nov 20 j 21:07	7° <u>♁</u> 45'10	0°57'27				
minimum elong	-7387 Nov 20 j 21:07	7° <u>♁</u> 45'10	0°57'27				
max. Earth dist.	-7387 Nov 21 j 20:11	7° <u>♁</u> 47'21	31.05685 AU	conjunction	-7380 Dec 06 j 02:38	23° <u>♁</u> 15'14	0°19'02
morning rise	-7387 Dec 06 j 10:41	8° <u>♁</u> 20'12		minimum elong	-7380 Dec 06 j 02:38	23° <u>♁</u> 15'14	0°18'52
retrograde	-7386 Mar 07 j 15:38	10° <u>♁</u> 18'30		max. Earth dist.	-7380 Dec 07 j 04:00	23° <u>♁</u> 17'37	30.99130 AU
opposition	-7386 May 27 j 16:16	8° <u>♁</u> 53'44	0°58'31	morning rise	-7380 Dec 21 j 20:52	23° <u>♁</u> 50'37	
min. Earth dist.	-7386 May 26 j 17:13	8° <u>♁</u> 55'19	29.05359 AU	retrograde	-7379 Mar 23 j 07:45	25° <u>♁</u> 49'13	
direct	-7386 Aug 13 j 19:51	7° <u>♁</u> 31'08		min. Earth dist.	-7379 Jun 11 j 06:19	24° <u>♁</u> 25'43	28.98788 AU
evening set	-7386 Nov 07 j 21:24	9° <u>♁</u> 23'18		opposition	-7379 Jun 12 j 07:26	24° <u>♁</u> 23'58	0°17'12
				direct	-7379 Aug 29 j 00:25	23° <u>♁</u> 01'13	
				evening set	-7379 Nov 22 j 23:10	24° <u>♁</u> 53'09	
conjunction	-7386 Nov 23 j 07:57	9° <u>♁</u> 58'03	0°52'09				
minimum elong	-7386 Nov 23 j 07:58	9° <u>♁</u> 58'03	0°52'07				
max. Earth dist.	-7386 Nov 24 j 06:38	10° <u>♁</u> 00'11	31.04896 AU	conjunction	-7379 Dec 08 j 13:56	25° <u>♁</u> 28'12	0°13'22
morning rise	-7386 Dec 08 j 22:18	10° <u>♁</u> 33'08		minimum elong	-7379 Dec 08 j 13:56	25° <u>♁</u> 28'12	0°13'12
retrograde	-7385 Mar 10 j 04:37	12° <u>♁</u> 31'29		behind sun begin	-7379 Dec 08 j 10:07	25° <u>♁</u> 27'51	
min. Earth dist.	-7385 May 29 j 06:50	11° <u>♁</u> 08'11	29.04514 AU	behind sun end	-7379 Dec 08 j 17:45	25° <u>♁</u> 28'33	
opposition	-7385 May 30 j 05:05	11° <u>♁</u> 06'40	0°52'48	max. Earth dist.	-7379 Dec 09 j 15:51	25° <u>♁</u> 30'38	30.98396 AU
direct	-7385 Aug 16 j 06:42	9° <u>♁</u> 44'04		morning rise	-7379 Dec 24 j 08:47	26° <u>♁</u> 03'38	
evening set	-7385 Nov 10 j 07:38	11° <u>♁</u> 36'11		retrograde	-7378 Mar 25 j 20:25	28° <u>♁</u> 02'18	
				opposition	-7378 Jun 14 j 19:40	26° <u>♁</u> 37'02	0°11'07
conjunction	-7385 Nov 25 j 18:58	12° <u>♁</u> 10'58	0°46'47	min. Earth dist.	-7378 Jun 13 j 19:04	26° <u>♁</u> 38'44	28.98113 AU
minimum elong	-7385 Nov 25 j 18:59	12° <u>♁</u> 10'58	0°46'44	direct	-7378 Aug 31 j 10:43	25° <u>♁</u> 14'18	
max. Earth dist.	-7385 Nov 26 j 18:48	12° <u>♁</u> 13'13	31.04000 AU	evening set	-7378 Nov 25 j 10:01	27° <u>♁</u> 06'15	
morning rise	-7385 Dec 11 j 09:52	12° <u>♁</u> 46'07					
retrograde	-7384 Mar 11 j 17:43	14° <u>♁</u> 44'30		conjunction	-7378 Dec 11 j 01:28	27° <u>♁</u> 41'21	0°07'41
opposition	-7384 May 31 j 17:41	13° <u>♁</u> 19'36	0°47'01	minimum elong	-7378 Dec 11 j 01:28	27° <u>♁</u> 41'21	0°07'29
min. Earth dist.	-7384 May 30 j 18:30	13° <u>♁</u> 21'12	29.03551 AU	behind sun begin	-7378 Dec 10 j 19:33	27° <u>♁</u> 40'49	
direct	-7384 Aug 17 j 19:47	11° <u>♁</u> 56'59		behind sun end	-7378 Dec 11 j 07:22	27° <u>♁</u> 41'52	
evening set	-7384 Nov 11 j 18:12	13° <u>♁</u> 49'03		max. Earth dist.	-7378 Dec 12 j 04:06	27° <u>♁</u> 43'51	30.97786 AU
				morning rise	-7378 Dec 26 j 20:51	28° <u>♁</u> 16'49	
conjunction	-7384 Nov 27 j 06:00	14° <u>♁</u> 23'53	0°41'20		-7377 Feb 25 j 08:02	0° <u>♁</u>	
minimum elong	-7384 Nov 27 j 06:00	14° <u>♁</u> 23'53	0°41'15	retrograde	-7377 Mar 28 j 10:32	0° <u>♁</u> 15'33	
max. Earth dist.	-7384 Nov 28 j 04:59	14° <u>♁</u> 26'03	31.03000 AU		-7377 Apr 29 j 01:36	30° <u>♁</u>	
morning rise	-7384 Dec 12 j 21:44	14° <u>♁</u> 59'05		min. Earth dist.	-7377 Jun 16 j 05:49	28° <u>♁</u> 52'05	28.97541 AU
retrograde	-7383 Mar 14 j 06:44	16° <u>♁</u> 57'30		opposition	-7377 Jun 17 j 07:47	28° <u>♁</u> 50'18	0°05'00
min. Earth dist.	-7383 Jun 02 j 07:23	15° <u>♁</u> 34'05	29.02520 AU	direct	-7377 Sep 02 j 21:51	27° <u>♁</u> 27'34	
opposition	-7383 Jun 03 j 06:09	15° <u>♁</u> 32'31	0°41'09	evening set	-7377 Nov 27 j 21:07	29° <u>♁</u> 19'34	
direct	-7383 Aug 20 j 06:00	14° <u>♁</u> 09'52					
evening set	-7383 Nov 14 j 04:37	16° <u>♁</u> 01'52		conjunction	-7377 Dec 13 j 13:00	29° <u>♁</u> 54'42	0°01'57
				minimum elong	-7377 Dec 13 j 13:00	29° <u>♁</u> 54'42	0°01'46
conjunction	-7383 Nov 29 j 17:09	16° <u>♁</u> 36'45	0°35'49	behind sun begin	-7377 Dec 13 j 06:31	29° <u>♁</u> 54'07	
minimum elong	-7383 Nov 29 j 17:10	16° <u>♁</u> 36'45	0°35'45	behind sun end	-7377 Dec 13 j 19:29	29° <u>♁</u> 55'17	
max. Earth dist.	-7383 Nov 30 j 17:32	16° <u>♁</u> 39'03	31.01953 AU	max. Earth dist.	-7377 Dec 14 j 15:21	29° <u>♁</u> 57'10	30.97244 AU
morning rise	-7383 Dec 15 j 09:24	17° <u>♁</u> 11'59			-7377 Dec 15 j 21:20	0° <u>♁</u>	
retrograde	-7382 Mar 16 j 17:23	19° <u>♁</u> 10'27		morning rise	-7377 Dec 29 j 09:08	0° <u>♁</u> 30'14	
opposition	-7382 Jun 05 j 18:34	17° <u>♁</u> 45'23	0°35'14	retrograde	-7376 Mar 30 j 00:25	2° <u>♁</u> 29'01	
min. Earth dist.	-7382 Jun 04 j 19:11	17° <u>♁</u> 46'59	29.01466 AU	desc. node	-7376 Apr 13 j 13:24	2° <u>♁</u> 25'38	
direct	-7382 Aug 22 j 18:04	16° <u>♁</u> 22'41		opposition	-7376 Jun 18 j 20:04	1° <u>♁</u> 03'46	-0°01'07
evening set	-7382 Nov 16 j 15:04	18° <u>♁</u> 14'39		min. Earth dist.	-7376 Jun 17 j 18:59	1° <u>♁</u> 05'30	28.97023 AU
					-7376 Aug 01 j 11:58	30° <u>♁</u>	
conjunction	-7382 Dec 02 j 04:04	18° <u>♁</u> 49'33	0°30'16	direct	-7376 Sep 04 j 08:28	29° <u>♁</u> 41'04	
minimum elong	-7382 Dec 02 j 04:04	18° <u>♁</u> 49'33	0°30'09		-7376 Oct 07 j 12:28	0° <u>♁</u>	
max. Earth dist.	-7382 Dec 03 j 04:01	18° <u>♁</u> 51'49	31.00925 AU	evening set	-7376 Nov 29 j 08:23	1° <u>♁</u> 33'06	
morning rise	-7382 Dec 17 j 21:05	19° <u>♁</u> 24'51					
retrograde	-7381 Mar 19 j 06:28	21° <u>♁</u> 23'21		conjunction	-7376 Dec 15 j 01:00	2° <u>♁</u> 08'17	-0°03'54
min. Earth dist.	-7381 Jun 07 j 07:00	19° <u>♁</u> 59'52	29.00473 AU	minimum elong	-7376 Dec 15 j 00:59	2° <u>♁</u> 08'17	0°04'08
opposition	-7381 Jun 08 j 06:59	19° <u>♁</u> 58'12	0°29'16	behind sun begin	-7376 Dec 14 j 18:35	2° <u>♁</u> 07'42	
direct	-7381 Aug 25 j 03:35	18° <u>♁</u> 35'29		behind sun end	-7376 Dec 15 j 07:23	2° <u>♁</u> 08'51	
evening set	-7381 Nov 19 j 01:40	20° <u>♁</u> 27'25		max. Earth dist.	-7376 Dec 16 j 04:22	2° <u>♁</u> 10'51	30.96733 AU

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

morning rise	-7376 Dec 30 j 21:32	2°M.43'51		morning rise	-7369 Jan 14 j 02:28	16°M.08'07	
retrograde	-7375 Apr 01 j 15:01	4°M.42'42		retrograde	-7369 Apr 15 j 18:12	18°M.07'02	
min. Earth dist.	-7375 Jun 20 j 06:15	3°M.19'15	28.96501 AU	min. Earth dist.	-7369 Jul 04 j 08:40	16°M.43'12	28.91716 AU
opposition	-7375 Jun 21 j 08:00	3°M.17'28	-0°07'15	opposition	-7369 Jul 05 j 08:05	16°M.41'34	-0°43'32
direct	-7375 Sep 06 j 21:26	1°M.54'47		direct	-7369 Sep 20 j 14:34	15°M.18'35	
evening set	-7375 Dec 01 j 19:58	3°M.46'51		evening set	-7369 Dec 15 j 19:05	17°M.10'47	
conjunction	-7375 Dec 17 j 12:55	4°M.22'05	-0°09'37	conjunction	-7369 Dec 31 j 15:18	17°M.46'12	-0°43'23
minimum elong	-7375 Dec 17 j 12:55	4°M.22'05	0°09'50	minimum elong	-7369 Dec 31 j 15:18	17°M.46'12	0°43'43
behind sun begin	-7375 Dec 17 j 07:37	4°M.21'37		max. Earth dist.	-7368 Jan 01 j 17:14	17°M.48'38	30.91232 AU
behind sun end	-7375 Dec 17 j 18:13	4°M.22'34		morning rise	-7368 Jan 16 j 15:29	18°M.22'01	
max. Earth dist.	-7375 Dec 18 j 15:12	4°M.24'33	30.96192 AU	retrograde	-7368 Apr 17 j 07:46	20°M.20'55	
morning rise	-7374 Jan 02 j 10:11	4°M.57'43		opposition	-7368 Jul 06 j 19:44	18°M.55'23	-0°49'24
retrograde	-7374 Apr 04 j 04:33	6°M.56'37		min. Earth dist.	-7368 Jul 05 j 19:19	18°M.57'06	28.90859 AU
opposition	-7374 Jun 23 j 20:13	5°M.31'23	-0°13'23	direct	-7368 Sep 22 j 02:02	17°M.32'19	
min. Earth dist.	-7374 Jun 22 j 19:13	5°M.33'06	28.95935 AU	evening set	-7368 Dec 17 j 07:24	19°M.24'34	
direct	-7374 Sep 09 j 07:38	4°M.08'41		conjunction	-7367 Jan 02 j 03:55	20°M.00'01	-0°48'51
evening set	-7374 Dec 04 j 07:25	6°M.00'48		minimum elong	-7367 Jan 02 j 03:54	20°M.00'01	0°49'12
conjunction	-7374 Dec 20 j 01:03	6°M.36'04	-0°15'19	max. Earth dist.	-7367 Jan 03 j 05:13	20°M.02'23	30.90412 AU
minimum elong	-7374 Dec 20 j 01:03	6°M.36'04	0°15'35	morning rise	-7367 Jan 18 j 04:38	20°M.35'52	
behind sun begin	-7374 Dec 19 j 23:31	6°M.35'56		retrograde	-7367 Apr 19 j 20:44	22°M.34'44	
behind sun end	-7374 Dec 20 j 02:35	6°M.36'12		min. Earth dist.	-7367 Jul 08 j 07:57	21°M.10'48	28.90110 AU
max. Earth dist.	-7374 Dec 21 j 04:13	6°M.38'37	30.95573 AU	opposition	-7367 Jul 09 j 07:21	21°M.09'10	-0°55'12
morning rise	-7373 Jan 04 j 22:42	7°M.11'44		direct	-7367 Sep 24 j 12:56	19°M.46'02	
retrograde	-7373 Apr 06 j 16:35	9°M.10'41		evening set	-7367 Dec 19 j 19:33	21°M.38'19	
min. Earth dist.	-7373 Jun 25 j 07:21	7°M.47'10	28.95260 AU	conjunction	-7366 Jan 04 j 16:42	22°M.13'49	-0°54'14
opposition	-7373 Jun 26 j 08:22	7°M.45'26	-0°19'29	minimum elong	-7366 Jan 04 j 16:41	22°M.13'49	0°54'34
direct	-7373 Sep 11 j 19:57	6°M.22'44		max. Earth dist.	-7366 Jan 05 j 18:58	22°M.16'17	30.89725 AU
evening set	-7373 Dec 06 j 19:19	8°M.14'52		morning rise	-7366 Jan 20 j 17:40	22°M.49'41	
conjunction	-7373 Dec 22 j 13:23	8°M.50'10	-0°21'01	retrograde	-7366 Apr 22 j 10:34	24°M.48'32	
minimum elong	-7373 Dec 22 j 13:22	8°M.50'10	0°21'16	opposition	-7366 Jul 11 j 18:53	23°M.22'57	-1°00'54
max. Earth dist.	-7373 Dec 23 j 15:13	8°M.52'36	30.94847 AU	min. Earth dist.	-7366 Jul 10 j 18:40	23°M.24'39	28.89489 AU
morning rise	-7372 Jan 07 j 11:42	9°M.25'53		direct	-7366 Sep 27 j 01:48	21°M.59'47	
retrograde	-7372 Apr 08 j 06:42	11°M.24'50		evening set	-7366 Dec 22 j 07:51	23°M.52'08	
opposition	-7372 Jun 27 j 20:24	9°M.59'32	-0°25'34	conjunction	-7365 Jan 07 j 05:16	24°M.27'39	-0°59'32
min. Earth dist.	-7372 Jun 26 j 19:37	10°M.01'16	28.94479 AU	minimum elong	-7365 Jan 07 j 05:16	24°M.27'39	0°59'54
direct	-7372 Sep 13 j 06:13	8°M.36'47		max. Earth dist.	-7365 Jan 08 j 06:33	24°M.30'02	30.89168 AU
evening set	-7372 Dec 08 j 07:12	10°M.28'57		morning rise	-7365 Jan 23 j 06:50	25°M.03'33	
conjunction	-7372 Dec 24 j 01:53	11°M.04'17	-0°26'40	retrograde	-7365 Apr 25 j 00:11	27°M.02'25	
minimum elong	-7372 Dec 24 j 01:52	11°M.04'17	0°26'58	min. Earth dist.	-7365 Jul 13 j 07:00	25°M.38'29	28.89005 AU
max. Earth dist.	-7372 Dec 25 j 04:10	11°M.06'46	30.94000 AU	opposition	-7365 Jul 14 j 06:33	25°M.36'50	-1°06'32
morning rise	-7371 Jan 09 j 00:37	11°M.40'02		direct	-7365 Sep 29 j 12:05	24°M.13'38	
retrograde	-7371 Apr 10 j 18:02	13°M.38'59		evening set	-7365 Dec 24 j 20:18	26°M.06'04	
min. Earth dist.	-7371 Jun 29 j 08:26	12°M.15'19	28.93582 AU	conjunction	-7364 Jan 09 j 18:19	26°M.41'37	-1°04'45
opposition	-7371 Jun 30 j 08:25	12°M.13'38	-0°31'36	minimum elong	-7364 Jan 09 j 18:19	26°M.41'37	1°05'07
direct	-7371 Sep 15 j 17:19	10°M.50'49		max. Earth dist.	-7364 Jan 10 j 20:35	26°M.44'05	30.88731 AU
evening set	-7371 Dec 10 j 19:05	12°M.42'59		morning rise	-7364 Jan 25 j 20:06	27°M.17'33	
conjunction	-7371 Dec 26 j 14:14	13°M.18'21	-0°32'18	retrograde	-7364 Apr 26 j 13:10	29°M.16'24	
minimum elong	-7371 Dec 26 j 14:14	13°M.18'21	0°32'36	opposition	-7364 Jul 15 j 17:56	27°M.50'51	-1°12'04
max. Earth dist.	-7371 Dec 27 j 15:55	13°M.20'46	30.93078 AU	min. Earth dist.	-7364 Jul 14 j 18:20	27°M.52'31	28.88616 AU
morning rise	-7370 Jan 11 j 13:31	13°M.54'08		direct	-7364 Oct 01 j 00:24	26°M.27'39	
retrograde	-7370 Feb 13 j 16:19	15°M.		evening set	-7364 Dec 26 j 09:04	28°M.20'10	
conjunction	-7370 Apr 13 j 06:39	15°M.53'04		conjunction	-7363 Jan 11 j 07:22	28°M.55'45	-1°09'52
opposition	-7370 Jun 13 j 00:14	15°R.M.		minimum elong	-7363 Jan 11 j 07:22	28°M.55'45	1°10'16
min. Earth dist.	-7370 Jul 02 j 20:15	14°M.27'39	-0°37'36	max. Earth dist.	-7363 Jan 12 j 08:20	28°M.58'06	30.88382 AU
direct	-7370 Jul 01 j 19:47	14°M.29'22	28.92643 AU	morning rise	-7363 Jan 27 j 09:39	29°M.31'42	
evening set	-7370 Sep 18 j 04:26	13°M.04'45		retrograde	-7363 Feb 09 j 16:31	0°X	
conjunction	-7370 Dec 13 j 07:06	14°M.56'56		min. Earth dist.	-7363 Apr 29 j 04:04	1°X.30'35	
minimum elong	-7370 Dec 14 j 16:34	15°M.		opposition	-7363 Jul 17 j 06:05	0°X.06'42	28.88300 AU
max. Earth dist.	-7370 Dec 29 j 02:42	15°M.32'20	-0°37'52	direct	-7363 Jul 18 j 05:26	0°X.05'04	-1°17'29
conjunction	-7370 Dec 29 j 02:42	15°M.32'20	0°38'12	conjunction	-7363 Jul 21 j 05:39	30°R.M.	
minimum elong	-7370 Dec 30 j 04:23	15°M.34'44	30.92127 AU	direct	-7363 Oct 03 j 10:55	28°M.41'51	

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

	-7363 Dec 12 j 12:25	0°♄		retrograde	-7356 May 14 j 21:25	17°♄13'08	
evening set	-7363 Dec 28 j 21:48	0°♄34'29		opposition	-7356 Aug 02 j 12:45	15°♄47'40	-1°51'46
				min. Earth dist.	-7356 Aug 01 j 18:12	15°♄48'58	28.84932 AU
conjunction	-7362 Jan 13 j 20:33	1°♄10'05	-1°14'53	direct	-7356 Oct 18 j 17:07	14°♄24'00	
minimum elong	-7362 Jan 13 j 20:32	1°♄10'05	1°15'18	evening set	-7355 Jan 13 j 18:55	16°♄17'17	
max. Earth dist.	-7362 Jan 14 j 22:01	1°♄12'29	30.88061 AU				
morning rise	-7362 Jan 29 j 23:01	1°♄46'04		conjunction	-7355 Jan 29 j 20:11	16°♄53'02	-1°46'29
retrograde	-7362 May 01 j 15:44	3°♄44'58		minimum elong	-7355 Jan 29 j 20:10	16°♄53'02	1°46'57
opposition	-7362 Jul 20 j 16:57	2°♄19'29	-1°22'48	max. Earth dist.	-7355 Jan 30 j 17:24	16°♄55'01	30.84571 AU
min. Earth dist.	-7362 Jul 19 j 18:33	2°♄21'04	28.87982 AU	morning rise	-7355 Feb 15 j 00:27	17°♄29'05	
direct	-7362 Oct 05 j 21:58	0°♄56'15		retrograde	-7355 May 17 j 10:42	19°♄27'40	
evening set	-7362 Dec 31 j 10:50	2°♄49'00		opposition	-7355 Aug 04 j 23:46	18°♄02'12	-1°56'02
				min. Earth dist.	-7355 Aug 04 j 05:20	18°♄03'31	28.84488 AU
conjunction	-7361 Jan 16 j 09:56	3°♄24'38	-1°19'48	direct	-7355 Oct 21 j 06:24	16°♄38'28	
minimum elong	-7361 Jan 16 j 09:56	3°♄24'38	1°20'14	evening set	-7354 Jan 16 j 08:23	18°♄31'50	
max. Earth dist.	-7361 Jan 17 j 10:20	3°♄26'55	30.87732 AU				
morning rise	-7361 Feb 01 j 12:48	4°♄00'38		conjunction	-7354 Feb 01 j 09:46	19°♄07'36	-1°50'24
retrograde	-7361 May 04 j 05:13	5°♄59'31		minimum elong	-7354 Feb 01 j 09:45	19°♄07'36	1°50'52
min. Earth dist.	-7361 Jul 22 j 05:55	4°♄35'40	28.87632 AU	max. Earth dist.	-7354 Feb 02 j 05:31	19°♄09'27	30.84190 AU
opposition	-7361 Jul 23 j 04:20	4°♄34'05	-1°27'59	morning rise	-7354 Feb 17 j 14:22	19°♄43'40	
direct	-7361 Oct 08 j 08:50	3°♄10'49		retrograde	-7354 May 20 j 01:16	21°♄42'11	
evening set	-7360 Jan 03 j 00:04	5°♄03'41		opposition	-7354 Aug 07 j 10:47	20°♄16'43	-2°00'08
				min. Earth dist.	-7354 Aug 06 j 16:33	20°♄18'01	28.84191 AU
conjunction	-7360 Jan 18 j 23:32	5°♄39'20	-1°24'35	direct	-7354 Oct 23 j 18:08	18°♄52'55	
minimum elong	-7360 Jan 18 j 23:32	5°♄39'20	1°25'01	evening set	-7353 Jan 18 j 21:57	20°♄46'23	
max. Earth dist.	-7360 Jan 19 j 23:20	5°♄41'34	30.87325 AU				
morning rise	-7360 Feb 04 j 02:42	6°♄15'21		conjunction	-7353 Feb 03 j 23:44	21°♄22'10	-1°54'09
retrograde	-7360 May 05 j 17:16	8°♄14'14		minimum elong	-7353 Feb 03 j 23:43	21°♄22'10	1°54'38
opposition	-7360 Jul 24 j 15:54	6°♄48'49	-1°33'02	max. Earth dist.	-7353 Feb 04 j 20:00	21°♄24'04	30.83953 AU
min. Earth dist.	-7360 Jul 23 j 19:07	6°♄50'17	28.87187 AU	morning rise	-7353 Feb 20 j 04:22	21°♄58'14	
direct	-7360 Oct 09 j 18:45	5°♄25'30		retrograde	-7353 May 22 j 12:38	23°♄56'42	
evening set	-7359 Jan 04 j 13:21	7°♄18'27		opposition	-7353 Aug 09 j 21:43	22°♄31'16	-2°04'03
				min. Earth dist.	-7353 Aug 09 j 04:20	22°♄32'30	28.84035 AU
conjunction	-7359 Jan 20 j 13:15	7°♄54'08	-1°29'15	direct	-7353 Oct 26 j 05:48	21°♄07'25	
minimum elong	-7359 Jan 20 j 13:15	7°♄54'08	1°29'42	evening set	-7352 Jan 21 j 11:42	23°♄00'59	
max. Earth dist.	-7359 Jan 21 j 12:24	7°♄56'18	30.86834 AU				
morning rise	-7359 Feb 05 j 16:37	8°♄30'10		conjunction	-7352 Feb 06 j 13:43	23°♄36'47	-1°57'43
retrograde	-7359 May 08 j 06:38	10°♄29'01		minimum elong	-7352 Feb 06 j 13:43	23°♄36'47	1°58'12
min. Earth dist.	-7359 Jul 26 j 06:03	9°♄05'05	28.86652 AU	max. Earth dist.	-7352 Feb 07 j 08:53	23°♄38'34	30.83875 AU
opposition	-7359 Jul 27 j 03:09	9°♄03'36	-1°37'57	morning rise	-7352 Feb 22 j 18:38	24°♄12'51	
direct	-7359 Oct 12 j 06:11	7°♄40'13		retrograde	-7352 May 24 j 02:35	26°♄11'15	
evening set	-7358 Jan 07 j 02:45	9°♄33'15		opposition	-7352 Aug 11 j 08:37	24°♄45'52	-2°07'47
				min. Earth dist.	-7352 Aug 10 j 15:02	24°♄47'07	28.84028 AU
conjunction	-7358 Jan 23 j 02:52	10°♄08'57	-1°33'47	direct	-7352 Oct 27 j 17:04	23°♄21'58	
minimum elong	-7358 Jan 23 j 02:51	10°♄08'57	1°34'13	evening set	-7351 Jan 23 j 01:33	25°♄15'40	
max. Earth dist.	-7358 Jan 24 j 00:43	10°♄11'00	30.86256 AU				
morning rise	-7358 Feb 08 j 06:36	10°♄44'59		conjunction	-7351 Feb 08 j 03:48	25°♄51'29	-2°01'07
retrograde	-7358 May 10 j 18:58	12°♄43'47		minimum elong	-7351 Feb 08 j 03:48	25°♄51'29	2°01'37
opposition	-7358 Jul 29 j 14:34	11°♄18'22	-1°42'43	max. Earth dist.	-7351 Feb 08 j 22:43	25°♄53'15	30.83909 AU
min. Earth dist.	-7358 Jul 28 j 19:03	11°♄19'44	28.86064 AU	morning rise	-7351 Feb 24 j 08:47	26°♄27'34	
direct	-7358 Oct 14 j 17:24	9°♄54'53		retrograde	-7351 May 26 j 14:47	28°♄25'54	
evening set	-7357 Jan 09 j 15:54	11°♄48'00		opposition	-7351 Aug 13 j 19:33	27°♄00'35	-2°11'19
				min. Earth dist.	-7351 Aug 13 j 03:29	27°♄01'44	28.84121 AU
conjunction	-7357 Jan 25 j 16:33	12°♄23'43	-1°38'10	direct	-7351 Oct 30 j 02:57	25°♄36'40	
minimum elong	-7357 Jan 25 j 16:32	12°♄23'43	1°38'38	evening set	-7350 Jan 25 j 15:27	27°♄30'30	
max. Earth dist.	-7357 Jan 26 j 14:43	12°♄25'47	30.85657 AU				
morning rise	-7357 Feb 10 j 20:24	12°♄59'45		conjunction	-7350 Feb 10 j 18:00	28°♄06'19	-2°04'20
retrograde	-7357 May 13 j 08:09	14°♄58'30		minimum elong	-7350 Feb 10 j 18:00	28°♄06'19	2°04'50
min. Earth dist.	-7357 Jul 31 j 05:59	13°♄34'27	28.85468 AU	max. Earth dist.	-7350 Feb 11 j 12:16	28°♄08'02	30.84046 AU
opposition	-7357 Aug 01 j 01:41	13°♄33'03	-1°47'19	morning rise	-7350 Feb 26 j 23:06	28°♄42'24	
direct	-7357 Oct 17 j 06:36	12°♄09'29			-7350 Apr 08 j 12:51	0°♄	
evening set	-7356 Jan 12 j 05:28	14°♄02'40		retrograde	-7350 May 29 j 03:40	0°♄40'41	
					-7350 Jul 19 j 16:50	30°♄	
conjunction	-7356 Jan 28 j 06:15	14°♄38'24	-1°42'24	opposition	-7350 Aug 16 j 06:22	29°♄15'27	-2°14'39
minimum elong	-7356 Jan 28 j 06:14	14°♄38'24	1°42'52	min. Earth dist.	-7350 Aug 15 j 14:01	29°♄16'37	28.84282 AU
max. Earth dist.	-7356 Jan 29 j 02:51	14°♄40'20	30.85074 AU	direct	-7350 Nov 01 j 14:23	27°♄51'30	
morning rise	-7356 Feb 13 j 10:30	15°♄14'28		evening set	-7349 Jan 28 j 05:32	29°♄45'28	

Attention, astronomical year style is used: The year -7349 in astronomical counting style is the year 7350 BCE in historical counting style.

	-7349 Feb 03 j 19:43	0°♂		opposition	-7343 Aug 31 j 10:06	15°♂00'29	-2°32'02
				min. Earth dist.	-7343 Aug 31 j 00:25	15°♂01'10	28.84187 AU
conjunction	-7349 Feb 13 j 08:14	0°♂21'18	-2°07'22	direct	-7343 Nov 17 j 02:51	13°♂36'02	
minimum elong	-7349 Feb 13 j 08:14	0°♂21'18	2°07'52	evening set	-7342 Feb 13 j 10:02	15°♂30'44	
max. Earth dist.	-7349 Feb 14 j 01:10	0°♂22'53	30.84201 AU				
morning rise	-7349 Mar 01 j 13:32	0°♂57'23		conjunction	-7342 Mar 01 j 14:15	16°♂06'38	-2°22'55
retrograde	-7349 May 31 j 15:23	2°♂55'37		minimum elong	-7342 Mar 01 j 14:15	16°♂06'38	2°23'25
opposition	-7349 Aug 18 j 17:24	1°♂30'27	-2°17'47	max. Earth dist.	-7342 Mar 02 j 00:27	16°♂07'35	30.84002 AU
min. Earth dist.	-7349 Aug 18 j 02:54	1°♂31'29	28.84438 AU	morning rise	-7342 Mar 17 j 19:54	16°♂42'41	
direct	-7349 Nov 04 j 00:58	0°♂06'28		retrograde	-7342 Jun 16 j 09:52	18°♂40'09	
evening set	-7348 Jan 30 j 19:48	2°♂00'34		opposition	-7342 Sep 02 j 20:44	17°♂15'14	-2°33'37
				min. Earth dist.	-7342 Sep 02 j 12:37	17°♂15'49	28.84239 AU
conjunction	-7348 Feb 15 j 22:52	2°♂36'24	-2°10'12	direct	-7342 Nov 19 j 13:31	15°♂50'43	
minimum elong	-7348 Feb 15 j 22:52	2°♂36'24	2°10'41	evening set	-7341 Feb 16 j 00:19	17°♂45'31	
max. Earth dist.	-7348 Feb 16 j 15:28	2°♂37'57	30.84329 AU				
morning rise	-7348 Mar 03 j 04:08	3°♂12'29		conjunction	-7341 Mar 04 j 04:45	18°♂21'26	-2°24'17
retrograde	-7348 Jun 02 j 04:19	5°♂10'38		minimum elong	-7341 Mar 04 j 04:45	18°♂21'26	2°24'46
opposition	-7348 Aug 20 j 04:11	3°♂45'33	-2°20'43	max. Earth dist.	-7341 Mar 04 j 14:05	18°♂22'18	30.84121 AU
min. Earth dist.	-7348 Aug 19 j 13:58	3°♂46'33	28.84529 AU	morning rise	-7341 Mar 20 j 10:28	18°♂57'28	
direct	-7348 Nov 05 j 13:27	2°♂21'30		retrograde	-7341 Jun 18 j 22:16	20°♂54'49	
evening set	-7347 Feb 01 j 10:17	4°♂15'44		opposition	-7341 Sep 05 j 07:15	19°♂29'58	-2°34'58
				min. Earth dist.	-7341 Sep 04 j 22:46	19°♂30'34	28.84420 AU
conjunction	-7347 Feb 17 j 13:24	4°♂51'35	-2°12'50	direct	-7341 Nov 22 j 01:39	18°♂05'23	
minimum elong	-7347 Feb 17 j 13:24	4°♂51'35	2°13'20	evening set	-7340 Feb 18 j 14:50	20°♂00'19	
max. Earth dist.	-7347 Feb 18 j 03:50	4°♂52'56	30.84371 AU				
morning rise	-7347 Mar 05 j 18:53	5°♂27'39		conjunction	-7340 Mar 05 j 19:21	20°♂36'13	-2°25'27
retrograde	-7347 Jun 04 j 17:29	7°♂25'44		minimum elong	-7340 Mar 05 j 19:21	20°♂36'13	2°25'55
opposition	-7347 Aug 22 j 15:12	6°♂00'40	-2°23'25	max. Earth dist.	-7340 Mar 06 j 03:33	20°♂36'59	30.84360 AU
min. Earth dist.	-7347 Aug 22 j 02:34	6°♂01'34	28.84539 AU	morning rise	-7340 Mar 20 j 01:06	21°♂12'15	
direct	-7347 Nov 08 j 00:04	4°♂36'33		retrograde	-7340 Jun 20 j 09:17	23°♂09'30	
evening set	-7346 Feb 04 j 00:26	6°♂30'53		opposition	-7340 Sep 06 j 17:49	21°♂44'44	-2°36'05
				min. Earth dist.	-7340 Sep 06 j 10:56	21°♂45'13	28.84736 AU
conjunction	-7346 Feb 20 j 03:57	7°♂06'45	-2°15'16	direct	-7340 Nov 23 j 12:00	20°♂20'07	
minimum elong	-7346 Feb 20 j 03:56	7°♂06'45	2°15'46	evening set	-7339 Feb 20 j 05:13	22°♂15'10	
max. Earth dist.	-7346 Feb 20 j 18:21	7°♂08'06	30.84331 AU				
morning rise	-7346 Mar 08 j 09:20	7°♂42'49		conjunction	-7339 Mar 08 j 10:01	22°♂51'05	-2°26'22
retrograde	-7346 Jun 07 j 06:14	9°♂40'47		minimum elong	-7339 Mar 08 j 10:01	22°♂51'05	2°26'51
opposition	-7346 Aug 25 j 02:05	8°♂15'46	-2°25'55	max. Earth dist.	-7339 Mar 08 j 18:05	22°♂51'50	30.84744 AU
min. Earth dist.	-7346 Aug 24 j 14:10	8°♂16'36	28.84460 AU	morning rise	-7339 Mar 24 j 15:40	23°♂27'06	
direct	-7346 Nov 10 j 13:49	6°♂51'34		retrograde	-7339 Jun 22 j 21:47	25°♂24'15	
evening set	-7345 Feb 06 j 14:54	8°♂46'00		opposition	-7339 Sep 09 j 04:20	23°♂59'35	-2°36'57
				min. Earth dist.	-7339 Sep 08 j 21:22	24°♂00'04	28.85170 AU
conjunction	-7345 Feb 22 j 18:29	9°♂21'52	-2°17'30	direct	-7339 Nov 25 j 23:43	22°♂34'56	
minimum elong	-7345 Feb 22 j 18:29	9°♂21'52	2°18'00	evening set	-7338 Feb 22 j 19:40	24°♂30'08	
max. Earth dist.	-7345 Feb 23 j 06:39	9°♂23'00	30.84230 AU				
morning rise	-7345 Mar 11 j 00:08	9°♂57'55		conjunction	-7338 Mar 11 j 00:27	25°♂06'03	-2°27'05
retrograde	-7345 Jun 09 j 20:17	11°♂55'46		minimum elong	-7338 Mar 11 j 00:27	25°♂06'03	2°27'33
opposition	-7345 Aug 27 j 12:47	10°♂30'46	-2°28'11	max. Earth dist.	-7338 Mar 11 j 06:49	25°♂06'38	30.85228 AU
min. Earth dist.	-7345 Aug 27 j 01:43	10°♂31'33	28.84350 AU	morning rise	-7338 Mar 27 j 06:15	25°♂42'04	
direct	-7345 Nov 13 j 02:08	9°♂06'29		retrograde	-7338 Jun 25 j 09:54	27°♂39'08	
evening set	-7344 Feb 09 j 05:18	11°♂01'00		opposition	-7338 Sep 11 j 14:57	26°♂14'33	-2°37'35
				min. Earth dist.	-7338 Sep 11 j 09:24	26°♂14'57	28.85697 AU
conjunction	-7344 Feb 25 j 09:14	11°♂36'53	-2°19'31	direct	-7338 Nov 28 j 09:51	24°♂49'53	
minimum elong	-7344 Feb 25 j 09:14	11°♂36'53	2°20'01	evening set	-7337 Feb 25 j 10:12	26°♂45'13	
max. Earth dist.	-7344 Feb 25 j 21:21	11°♂38'01	30.84105 AU				
morning rise	-7344 Mar 12 j 14:47	12°♂12'56		conjunction	-7337 Mar 13 j 15:20	27°♂21'09	-2°27'33
retrograde	-7344 Jun 11 j 07:56	14°♂10'39		minimum elong	-7337 Mar 13 j 15:20	27°♂21'09	2°28'01
opposition	-7344 Aug 28 j 23:32	12°♂45'40	-2°30'13	max. Earth dist.	-7337 Mar 13 j 21:43	27°♂21'45	30.85770 AU
min. Earth dist.	-7344 Aug 28 j 13:47	12°♂46'22	28.84235 AU	morning rise	-7337 Mar 29 j 20:57	27°♂57'10	
direct	-7344 Nov 14 j 14:37	11°♂21'18		retrograde	-7337 Jun 27 j 21:57	29°♂54'07	
evening set	-7343 Feb 10 j 19:42	13°♂15'55		opposition	-7337 Sep 14 j 01:23	28°♂29'38	-2°37'58
				min. Earth dist.	-7337 Sep 13 j 20:42	28°♂29'59	28.86234 AU
conjunction	-7343 Feb 26 j 23:42	13°♂51'48	-2°21'19	direct	-7337 Nov 30 j 23:22	27°♂04'58	
minimum elong	-7343 Feb 26 j 23:42	13°♂51'48	2°21'49	evening set	-7336 Feb 28 j 01:05	29°♂00'26	
max. Earth dist.	-7343 Feb 27 j 10:13	13°♂52'47	30.84016 AU				
morning rise	-7343 Mar 15 j 05:24	14°♂27'51		conjunction	-7336 Mar 15 j 06:10	29°♂36'22	-2°27'48
retrograde	-7343 Jun 13 j 22:01	16°♂25'26		minimum elong	-7336 Mar 15 j 06:10	29°♂36'22	2°28'16

Attention, astronomical year style is used: The year -7336 in astronomical counting style is the year 7337 BCE in historical counting style.

max. Earth dist.	-7336 Mar 15 j 10:06	29°36'44	30.86297 AU		-7330 Aug 31 j 17:04	15°8'	
	-7336 Mar 25 j 20:39	0°		opposition	-7330 Sep 29 j 02:57	14°14'06	-2°34'00
morning rise	-7336 Mar 31 j 11:56	0°12'22		min. Earth dist.	-7330 Sep 29 j 05:16	14°13'56	28.88352 AU
retrograde	-7336 Jun 29 j 11:39	2°09'14		direct	-7330 Dec 16 j 14:27	12°48'54	
opposition	-7336 Sep 15 j 12:01	0°44'50	-2°38'07	evening set	-7329 Mar 16 j 07:20	14°44'53	
min. Earth dist.	-7336 Sep 15 j 08:18	0°45'06	28.86739 AU		-7329 Mar 23 j 04:35	15°	
	-7336 Oct 13 j 03:08	30°8'					
direct	-7336 Dec 02 j 11:37	29°32'07		conjunction	-7329 Apr 01 j 13:14	15°20'50	-2°23'20
	-7335 Jan 20 j 23:15	0°		minimum elong	-7329 Apr 01 j 13:14	15°20'50	2°23'42
evening set	-7335 Mar 01 j 15:43	1°15'42		max. Earth dist.	-7329 Apr 01 j 09:01	15°20'27	30.88337 AU
				morning rise	-7329 Apr 17 j 18:36	15°56'45	
conjunction	-7335 Mar 17 j 21:03	1°51'39	-2°27'50	retrograde	-7329 Jul 15 j 23:10	17°52'27	
minimum elong	-7335 Mar 17 j 21:04	1°51'39	2°28'17	opposition	-7329 Oct 01 j 13:15	16°28'21	-2°32'30
max. Earth dist.	-7335 Mar 18 j 00:42	1°51'59	30.86750 AU	min. Earth dist.	-7329 Oct 01 j 16:50	16°28'06	28.88732 AU
morning rise	-7335 Apr 03 j 02:35	2°27'38		direct	-7329 Dec 19 j 01:14	15°03'05	
retrograde	-7335 Jul 01 j 23:30	4°24'22		evening set	-7328 Mar 17 j 21:42	16°59'08	
opposition	-7335 Sep 17 j 22:41	3°00'03	-2°38'01				
min. Earth dist.	-7335 Sep 17 j 20:35	3°00'12	28.87144 AU	conjunction	-7328 Apr 03 j 03:49	17°35'05	-2°21'49
direct	-7335 Dec 05 j 00:06	1°35'17		minimum elong	-7328 Apr 03 j 03:50	17°35'05	2°22'12
evening set	-7334 Mar 04 j 06:30	3°30'58		max. Earth dist.	-7328 Apr 02 j 23:50	17°34'42	30.88781 AU
				morning rise	-7328 Apr 19 j 08:58	18°10'58	
conjunction	-7334 Mar 20 j 11:52	4°06'55	-2°27'38	retrograde	-7328 Jul 17 j 09:40	20°06'31	
minimum elong	-7334 Mar 20 j 11:52	4°06'55	2°28'05	opposition	-7328 Oct 02 j 23:38	18°42'29	-2°30'46
max. Earth dist.	-7334 Mar 20 j 13:14	4°07'03	30.87117 AU	min. Earth dist.	-7328 Oct 03 j 03:39	18°42'12	28.89235 AU
morning rise	-7334 Apr 05 j 17:30	4°42'54		direct	-7328 Dec 20 j 14:18	17°17'10	
retrograde	-7334 Jul 04 j 14:00	6°39'28		evening set	-7327 Mar 20 j 12:00	19°13'17	
opposition	-7334 Sep 20 j 09:10	5°15'12	-2°37'41				
min. Earth dist.	-7334 Sep 20 j 07:32	5°15'19	28.87462 AU	conjunction	-7327 Apr 05 j 18:00	19°49'14	-2°20'05
direct	-7334 Dec 07 j 13:33	3°50'22		minimum elong	-7327 Apr 05 j 18:00	19°49'14	2°20'27
evening set	-7333 Mar 06 j 21:11	5°46'08		max. Earth dist.	-7327 Apr 05 j 12:09	19°48'42	30.89365 AU
				morning rise	-7327 Apr 21 j 23:11	20°25'07	
conjunction	-7333 Mar 23 j 02:46	6°22'05	-2°27'13	retrograde	-7327 Jul 19 j 22:08	22°20'32	
minimum elong	-7333 Mar 23 j 02:47	6°22'05	2°27'39	opposition	-7327 Oct 05 j 09:57	20°56'34	-2°28'48
max. Earth dist.	-7333 Mar 23 j 03:25	6°22'09	30.87384 AU	min. Earth dist.	-7327 Oct 05 j 14:22	20°56'15	28.89892 AU
morning rise	-7333 Apr 08 j 08:17	6°58'03		direct	-7327 Dec 23 j 01:43	19°31'14	
retrograde	-7333 Jul 07 j 01:21	8°54'28		evening set	-7326 Mar 23 j 02:13	21°27'27	
opposition	-7333 Sep 22 j 19:47	7°30'14	-2°37'07				
min. Earth dist.	-7333 Sep 22 j 20:14	7°30'12	28.87690 AU	conjunction	-7326 Apr 08 j 08:26	22°03'24	-2°18'09
direct	-7333 Dec 10 j 01:53	6°05'19		minimum elong	-7326 Apr 08 j 08:27	22°03'24	2°18'30
evening set	-7332 Mar 08 j 11:54	8°01'08		max. Earth dist.	-7326 Apr 08 j 02:53	22°02'53	30.90088 AU
				morning rise	-7326 Apr 24 j 13:22	22°39'16	
conjunction	-7332 Mar 24 j 17:35	8°37'05	-2°26'34	retrograde	-7326 Jul 22 j 09:08	24°34'33	
minimum elong	-7332 Mar 24 j 17:35	8°37'05	2°27'00	opposition	-7326 Oct 07 j 20:15	23°10'42	-2°26'36
max. Earth dist.	-7332 Mar 24 j 16:41	8°37'00	30.87594 AU	min. Earth dist.	-7326 Oct 08 j 01:56	23°10'17	28.90662 AU
morning rise	-7332 Apr 09 j 23:06	9°13'02		direct	-7326 Dec 25 j 13:49	21°45'21	
retrograde	-7332 Jul 08 j 13:51	11°09'16		evening set	-7325 Mar 25 j 16:36	23°41'40	
opposition	-7332 Sep 24 j 06:07	9°45'04	-2°36'19				
min. Earth dist.	-7332 Sep 24 j 06:36	9°45'02	28.87879 AU	conjunction	-7325 Apr 10 j 22:45	24°17'37	-2°15'59
direct	-7332 Dec 11 j 15:09	8°20'03		minimum elong	-7325 Apr 10 j 22:46	24°17'37	2°16'19
evening set	-7331 Mar 11 j 02:32	10°15'55		max. Earth dist.	-7325 Apr 10 j 15:18	24°16'56	30.90915 AU
				morning rise	-7325 Apr 27 j 03:45	24°53'29	
conjunction	-7331 Mar 27 j 08:15	10°51'52	-2°25'43	retrograde	-7325 Jul 24 j 23:03	26°48'39	
minimum elong	-7331 Mar 27 j 08:16	10°51'53	2°26'07	opposition	-7325 Oct 10 j 06:31	25°24'54	-2°24'11
max. Earth dist.	-7331 Mar 27 j 06:07	10°51'41	30.87781 AU	min. Earth dist.	-7325 Oct 10 j 12:22	25°24'29	28.91508 AU
morning rise	-7331 Apr 12 j 13:42	11°27'49		direct	-7325 Dec 28 j 03:06	23°59'33	
retrograde	-7331 Jul 11 j 00:58	13°23'52		evening set	-7324 Mar 27 j 06:57	25°55'59	
opposition	-7331 Sep 26 j 16:38	11°59'41	-2°35'17				
min. Earth dist.	-7331 Sep 26 j 18:54	11°59'31	28.88086 AU	conjunction	-7324 Apr 12 j 13:12	26°31'56	-2°13'38
direct	-7331 Dec 14 j 02:04	10°34'35		minimum elong	-7324 Apr 12 j 13:12	26°31'56	2°13'57
evening set	-7330 Mar 13 j 16:48	12°30'30		max. Earth dist.	-7324 Apr 12 j 05:28	26°31'13	30.91765 AU
				morning rise	-7324 Apr 28 j 17:54	27°07'47	
conjunction	-7330 Mar 29 j 22:44	13°06'27	-2°24'38	retrograde	-7324 Jul 26 j 10:09	29°02'50	
minimum elong	-7330 Mar 29 j 22:45	13°06'27	2°25'02	opposition	-7324 Oct 11 j 16:59	27°39'12	-2°21'33
max. Earth dist.	-7330 Mar 29 j 20:11	13°06'13	30.88021 AU	min. Earth dist.	-7324 Oct 12 j 00:48	27°38'39	28.92351 AU
morning rise	-7330 Apr 15 j 04:06	13°42'22		direct	-7324 Dec 29 j 15:21	26°13'52	
	-7330 May 26 j 02:12	15°		evening set	-7323 Mar 29 j 21:21	28°10'23	
retrograde	-7330 Jul 13 j 12:41	15°38'15					

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Attention, astronomical year style is used: The year -7323 in astronomical counting style is the year 7324 BCE in historical counting style.

conjunction	-7323 Apr 15 j 03:33	28° \approx 46'21	-2°11'04	retrograde	-7317 Aug 11 j 15:03	14° \approx 40'56	
minimum elong	-7323 Apr 15 j 03:34	28° \approx 46'21	2°11'21	opposition	-7317 Oct 27 j 17:50	13° \approx 17'42	-1°57'30
max. Earth dist.	-7323 Apr 14 j 18:15	28° \approx 45'29	30.92600 AU	min. Earth dist.	-7317 Oct 28 j 07:52	13° \approx 16'42	28.96671 AU
morning rise	-7323 May 01 j 08:12	29° \approx 22'11		direct	-7316 Jan 15 j 04:14	11° \approx 52'04	
	-7323 May 19 j 12:38	0° \approx		evening set	-7316 Apr 14 j 23:58	13° \approx 48'50	
retrograde	-7323 Jul 28 j 23:10	1° \approx 17'06					
	-7323 Oct 10 j 08:47	30° \approx		conjunction	-7316 May 01 j 05:47	14° \approx 24'45	-1°47'57
opposition	-7323 Oct 14 j 03:23	29° \approx 53'34	-2°18'42	minimum elong	-7316 May 01 j 05:48	14° \approx 24'45	1°48'08
min. Earth dist.	-7323 Oct 14 j 11:12	29° \approx 53'01	28.93147 AU	max. Earth dist.	-7316 Apr 30 j 13:10	14° \approx 23'12	30.96901 AU
direct	-7322 Jan 01 j 04:32	28° \approx 28'14		morning rise	-7316 May 17 j 09:12	15° \approx 00'27	
	-7322 Mar 20 j 18:02	0° \approx		retrograde	-7316 Aug 13 j 03:20	16° \approx 54'16	
evening set	-7322 Apr 01 j 11:36	0° \approx 24'49		opposition	-7316 Oct 29 j 04:08	15° \approx 31'05	-1°53'20
				min. Earth dist.	-7316 Oct 29 j 17:53	15° \approx 30'07	28.97398 AU
conjunction	-7322 Apr 17 j 17:49	1° \approx 00'47	-2°08'18	direct	-7315 Jan 16 j 17:57	14° \approx 05'25	
minimum elong	-7322 Apr 17 j 17:49	1° \approx 00'47	2°08'35	evening set	-7315 Apr 17 j 13:35	16° \approx 02'12	
max. Earth dist.	-7322 Apr 17 j 07:16	0° \approx 59'48	30.93352 AU				
morning rise	-7322 May 03 j 22:17	1° \approx 36'36		conjunction	-7315 May 03 j 19:25	16° \approx 38'07	-1°43'58
retrograde	-7322 Jul 31 j 10:50	3° \approx 31'24		minimum elong	-7315 May 03 j 19:26	16° \approx 38'07	1°44'08
opposition	-7322 Oct 16 j 13:57	2° \approx 07'56	-2°15'39	max. Earth dist.	-7315 May 03 j 03:08	16° \approx 36'36	30.97696 AU
min. Earth dist.	-7322 Oct 16 j 23:45	2° \approx 07'14	28.93853 AU	morning rise	-7315 May 19 j 22:25	17° \approx 13'48	
direct	-7321 Jan 03 j 15:49	0° \approx 42'35		retrograde	-7315 Aug 15 j 13:20	19° \approx 07'28	
evening set	-7321 Apr 04 j 01:56	2° \approx 39'13		opposition	-7315 Oct 31 j 14:35	17° \approx 44'21	-1°49'00
				min. Earth dist.	-7315 Nov 01 j 05:42	17° \approx 43'17	28.98262 AU
conjunction	-7321 Apr 20 j 08:12	3° \approx 15'11	-2°05'21	direct	-7314 Jan 19 j 06:07	16° \approx 18'41	
minimum elong	-7321 Apr 20 j 08:13	3° \approx 15'11	2°05'36	evening set	-7314 Apr 20 j 03:07	18° \approx 15'30	
max. Earth dist.	-7321 Apr 19 j 20:41	3° \approx 14'07	30.94019 AU				
morning rise	-7321 May 06 j 12:30	3° \approx 50'59		conjunction	-7314 May 06 j 08:47	18° \approx 51'23	-1°39'50
retrograde	-7321 Aug 02 j 22:31	5° \approx 45'37		minimum elong	-7314 May 06 j 08:48	18° \approx 51'23	1°40'00
opposition	-7321 Oct 19 j 00:17	4° \approx 22'14	-2°12'23	max. Earth dist.	-7314 May 05 j 15:31	18° \approx 49'47	30.98645 AU
min. Earth dist.	-7321 Oct 19 j 10:27	4° \approx 21'30	28.94458 AU	morning rise	-7314 May 22 j 11:41	19° \approx 27'03	
direct	-7320 Jan 06 j 04:31	2° \approx 56'50		retrograde	-7314 Aug 18 j 01:54	21° \approx 20'35	
evening set	-7320 Apr 05 j 16:18	4° \approx 53'31		opposition	-7314 Nov 03 j 00:54	19° \approx 57'33	-1°44'30
				min. Earth dist.	-7314 Nov 03 j 15:30	19° \approx 56'31	28.99258 AU
conjunction	-7320 Apr 21 j 22:26	5° \approx 29'28	-2°02'13	direct	-7313 Jan 21 j 19:32	18° \approx 31'53	
minimum elong	-7320 Apr 21 j 22:26	5° \approx 29'28	2°02'29	evening set	-7313 Apr 22 j 16:46	20° \approx 28'45	
max. Earth dist.	-7320 Apr 21 j 09:04	5° \approx 28'14	30.94593 AU				
morning rise	-7320 May 08 j 02:37	6° \approx 05'16		conjunction	-7313 May 08 j 22:18	21° \approx 04'38	-1°35'33
retrograde	-7320 Aug 04 j 08:29	7° \approx 59'44		minimum elong	-7313 May 08 j 22:18	21° \approx 04'38	1°35'41
opposition	-7320 Oct 20 j 10:48	6° \approx 36'24	-2°08'56	max. Earth dist.	-7313 May 08 j 04:33	21° \approx 02'59	30.99697 AU
min. Earth dist.	-7320 Oct 20 j 22:27	6° \approx 35'34	28.95006 AU	morning rise	-7313 May 25 j 00:50	21° \approx 40'16	
direct	-7319 Jan 07 j 15:48	5° \approx 10'56		retrograde	-7313 Aug 20 j 13:30	23° \approx 33'42	
evening set	-7319 Apr 08 j 06:13	7° \approx 07'38		opposition	-7313 Nov 05 j 11:20	22° \approx 10'45	-1°39'50
				min. Earth dist.	-7313 Nov 06 j 03:25	22° \approx 09'37	29.00351 AU
conjunction	-7319 Apr 24 j 12:26	7° \approx 43'35	-1°58'54	direct	-7312 Jan 24 j 07:24	20° \approx 45'08	
minimum elong	-7319 Apr 24 j 12:27	7° \approx 43'36	1°59'08	evening set	-7312 Apr 24 j 06:21	22° \approx 42'02	
max. Earth dist.	-7319 Apr 23 j 23:07	7° \approx 42'21	30.95126 AU				
morning rise	-7319 May 10 j 16:20	8° \approx 19'22		conjunction	-7312 May 10 j 11:43	23° \approx 17'55	-1°31'08
retrograde	-7319 Aug 06 j 17:59	10° \approx 13'40		minimum elong	-7312 May 10 j 11:44	23° \approx 17'55	1°31'15
opposition	-7319 Oct 22 j 21:12	8° \approx 50'22	-2°05'18	max. Earth dist.	-7312 May 09 j 17:33	23° \approx 16'13	31.00829 AU
min. Earth dist.	-7319 Oct 23 j 09:33	8° \approx 49'29	28.95517 AU	morning rise	-7312 May 26 j 14:00	23° \approx 53'32	
direct	-7318 Jan 10 j 04:42	7° \approx 24'51		retrograde	-7312 Aug 22 j 00:55	25° \approx 46'51	
evening set	-7318 Apr 10 j 20:17	9° \approx 21'34		opposition	-7312 Nov 06 j 21:51	24° \approx 24'01	-1°35'02
max. Earth dist.	-7318 Apr 26 j 10:59	9° \approx 56'05	30.95655 AU	min. Earth dist.	-7312 Nov 07 j 13:56	24° \approx 22'52	29.01476 AU
				direct	-7311 Jan 25 j 20:45	22° \approx 58'25	
conjunction	-7318 Apr 27 j 02:18	9° \approx 57'31	-1°55'25	evening set	-7311 Apr 26 j 19:50	24° \approx 55'22	
minimum elong	-7318 Apr 27 j 02:19	9° \approx 57'31	1°55'39	max. Earth dist.	-7311 May 12 j 05:25	25° \approx 29'24	31.01949 AU
morning rise	-7318 May 13 j 06:09	10° \approx 33'16					
retrograde	-7318 Aug 09 j 05:34	12° \approx 27'24		conjunction	-7311 May 13 j 00:55	25° \approx 31'13	-1°26'34
opposition	-7318 Oct 25 j 07:24	11° \approx 04'08	-2°01'29	minimum elong	-7311 May 13 j 00:56	25° \approx 31'13	1°26'39
min. Earth dist.	-7318 Oct 25 j 20:17	11° \approx 03'13	28.96065 AU	morning rise	-7311 May 29 j 02:55	26° \approx 06'49	
direct	-7317 Jan 12 j 15:38	9° \approx 38'33		retrograde	-7311 Aug 24 j 11:23	28° \approx 00'02	
evening set	-7317 Apr 13 j 10:07	11° \approx 35'18		opposition	-7311 Nov 09 j 08:28	26° \approx 37'18	-1°30'05
				min. Earth dist.	-7311 Nov 10 j 01:47	26° \approx 36'04	29.02580 AU
conjunction	-7317 Apr 29 j 16:14	12° \approx 11'14	-1°51'46	direct	-7310 Jan 28 j 07:43	25° \approx 11'43	
minimum elong	-7317 Apr 29 j 16:15	12° \approx 11'14	1°51'57	evening set	-7310 Apr 29 j 09:19	27° \approx 08'42	
max. Earth dist.	-7317 Apr 29 j 01:15	12° \approx 09'50	30.96232 AU				
morning rise	-7317 May 15 j 19:43	12° \approx 46'58		conjunction	-7310 May 15 j 14:18	27° \approx 44'33	-1°21'52

Attention, astronomical year style is used: The year -7310 in astronomical counting style is the year 7311 BCE in historical counting style.

minimum elong	-7310 May 15 j 14:19	27° H 44'33	1°21'57	morning rise	-7304 Jun 13 j 19:10	11° Y 37'43	
max. Earth dist.	-7310 May 14 j 18:49	27° H 42'44	31.03018 AU	retrograde	-7304 Sep 08 j 13:38	13° Y 30'09	
morning rise	-7310 May 31 j 15:53	28° H 20'07		opposition	-7304 Nov 24 j 11:14	12° Y 07'43	-0°52'16
	-7310 Jul 30 j 04:17	0° Y		min. Earth dist.	-7304 Nov 25 j 09:17	12° Y 06'10	29.08027 AU
retrograde	-7310 Aug 26 j 21:08	0° Y 13'14		direct	-7303 Feb 12 j 23:38	10° Y 42'04	
	-7310 Sep 23 j 22:19	30° R H		evening set	-7303 May 15 j 05:20	12° Y 39'02	
opposition	-7310 Nov 11 j 19:00	28° H 50'34	-1°25'00	max. Earth dist.	-7303 May 30 j 08:01	13° Y 12'28	31.08372 AU
min. Earth dist.	-7310 Nov 12 j 13:08	28° H 49'18	29.03586 AU				
direct	-7309 Jan 30 j 20:21	27° H 25'01		conjunction	-7303 May 31 j 08:06	13° Y 14'43	-0°46'11
evening set	-7309 May 01 j 22:58	29° H 22'01		minimum elong	-7303 May 31 j 08:06	13° Y 14'43	0°46'07
max. Earth dist.	-7309 May 17 j 06:01	29° H 55'51	31.03977 AU	morning rise	-7303 Jun 16 j 07:00	13° Y 50'04	
				retrograde	-7303 Sep 11 j 00:12	15° Y 42'25	
conjunction	-7309 May 18 j 03:33	29° H 57'51	-1°17'03	opposition	-7303 Nov 26 j 21:57	14° Y 20'02	-0°46'31
minimum elong	-7309 May 18 j 03:34	29° H 57'51	1°17'06	min. Earth dist.	-7303 Nov 27 j 19:29	14° Y 18'31	29.08834 AU
	-7309 May 19 j 02:44	0° Y		direct	-7302 Feb 15 j 13:41	12° Y 54'24	
morning rise	-7309 Jun 03 j 04:55	0° Y 33'24		evening set	-7302 May 17 j 18:05	14° Y 51'22	
retrograde	-7309 Aug 29 j 08:38	2° Y 26'23					
opposition	-7309 Nov 14 j 05:42	1° Y 03'48	-1°19'48	conjunction	-7302 Jun 02 j 20:23	15° Y 27'01	-0°40'46
min. Earth dist.	-7309 Nov 15 j 00:22	1° Y 02'29	29.04491 AU	minimum elong	-7302 Jun 02 j 20:23	15° Y 27'01	0°40'42
	-7309 Dec 27 j 00:44	30° R H		max. Earth dist.	-7302 Jun 01 j 19:35	15° Y 24'42	31.09237 AU
direct	-7308 Feb 02 j 07:13	29° H 38'14		morning rise	-7302 Jun 18 j 18:51	16° Y 02'20	
	-7308 Mar 10 j 04:56	0° Y		retrograde	-7302 Sep 13 j 10:18	17° Y 54'37	
evening set	-7308 May 03 j 12:16	1° Y 35'15		opposition	-7302 Nov 29 j 08:36	16° Y 32'17	-0°40'42
				min. Earth dist.	-7302 Nov 30 j 06:44	16° Y 30'44	29.09760 AU
conjunction	-7308 May 19 j 16:45	2° Y 11'03	-1°12'08	direct	-7301 Feb 18 j 00:43	15° Y 06'41	
minimum elong	-7308 May 19 j 16:45	2° Y 11'03	1°12'11	evening set	-7301 May 20 j 06:42	17° Y 03'39	
max. Earth dist.	-7308 May 18 j 19:25	2° Y 09'04	31.04824 AU	max. Earth dist.	-7301 Jun 04 j 08:38	17° Y 37'03	31.10218 AU
morning rise	-7308 Jun 04 j 17:34	2° Y 46'35					
retrograde	-7308 Aug 30 j 17:32	4° Y 39'27		conjunction	-7301 Jun 05 j 08:41	17° Y 39'17	-0°35'18
opposition	-7308 Nov 15 j 16:29	3° Y 16'55	-1°14'29	minimum elong	-7301 Jun 05 j 08:42	17° Y 39'17	0°35'12
min. Earth dist.	-7308 Nov 16 j 12:30	3° Y 15'31	29.05275 AU	morning rise	-7301 Jun 21 j 06:35	18° Y 14'35	
direct	-7307 Feb 03 j 19:58	1° Y 51'21		retrograde	-7301 Sep 15 j 19:51	20° Y 06'47	
evening set	-7307 May 06 j 01:39	3° Y 48'21		opposition	-7301 Dec 01 j 19:28	18° Y 44'33	-0°34'49
max. Earth dist.	-7307 May 21 j 06:30	4° Y 21'59	31.05576 AU	min. Earth dist.	-7301 Dec 02 j 17:46	18° Y 42'59	29.10769 AU
				direct	-7300 Feb 20 j 13:34	17° Y 18'59	
conjunction	-7307 May 22 j 05:41	4° Y 24'08	-1°07'07	evening set	-7300 May 21 j 19:17	19° Y 15'59	
minimum elong	-7307 May 22 j 05:41	4° Y 24'08	1°07'08				
morning rise	-7307 Jun 07 j 06:19	4° Y 59'38		conjunction	-7300 Jun 06 j 20:39	19° Y 51'35	-0°29'46
retrograde	-7307 Sep 02 j 05:09	6° Y 52'23		minimum elong	-7300 Jun 06 j 20:39	19° Y 51'35	0°29'40
opposition	-7307 Nov 18 j 03:03	5° Y 29'53	-1°09'04	max. Earth dist.	-7300 Jun 05 j 19:26	19° Y 49'14	31.11266 AU
min. Earth dist.	-7307 Nov 18 j 22:58	5° Y 28'29	29.05987 AU	morning rise	-7300 Jun 22 j 18:11	20° Y 26'51	
direct	-7306 Feb 06 j 08:57	4° Y 04'17		retrograde	-7300 Sep 17 j 07:07	22° Y 19'01	
evening set	-7306 May 08 j 14:43	6° Y 01'17		opposition	-7300 Dec 03 j 06:20	20° Y 56'51	-0°28'53
				min. Earth dist.	-7300 Dec 04 j 04:31	20° Y 55'18	29.11838 AU
conjunction	-7306 May 24 j 18:36	6° Y 37'03	-1°02'00	direct	-7299 Feb 22 j 00:05	19° Y 31'21	
minimum elong	-7306 May 24 j 18:37	6° Y 37'03	1°02'00	evening set	-7299 May 24 j 07:44	21° Y 28'22	
max. Earth dist.	-7306 May 23 j 19:39	6° Y 34'55	31.06259 AU	max. Earth dist.	-7299 Jun 08 j 08:23	22° Y 01'39	31.12333 AU
morning rise	-7306 Jun 09 j 18:43	7° Y 12'30					
retrograde	-7306 Sep 04 j 14:39	9° Y 05'09		conjunction	-7299 Jun 09 j 08:47	22° Y 03'56	-0°24'12
opposition	-7306 Nov 20 j 13:49	7° Y 42'40	-1°03'33	minimum elong	-7299 Jun 09 j 08:48	22° Y 03'56	0°24'04
min. Earth dist.	-7306 Nov 21 j 11:20	7° Y 41'10	29.06646 AU	morning rise	-7299 Jun 25 j 05:39	22° Y 39'10	
direct	-7305 Feb 08 j 21:04	6° Y 17'03		retrograde	-7299 Sep 19 j 15:23	24° Y 31'18	
evening set	-7305 May 11 j 03:49	8° Y 14'02		opposition	-7299 Dec 05 j 17:16	23° Y 09'13	-0°22'55
max. Earth dist.	-7305 May 26 j 07:18	8° Y 47'32	31.06922 AU	min. Earth dist.	-7299 Dec 06 j 16:31	23° Y 07'36	29.12886 AU
				direct	-7298 Feb 24 j 12:20	21° Y 43'46	
conjunction	-7305 May 27 j 07:16	8° Y 49'46	-0°56'48	evening set	-7298 May 26 j 20:18	23° Y 40'47	
minimum elong	-7305 May 27 j 07:17	8° Y 49'46	0°56'46				
morning rise	-7305 Jun 12 j 07:06	9° Y 25'12		conjunction	-7298 Jun 11 j 20:43	24° Y 16'19	-0°18'36
retrograde	-7305 Sep 07 j 02:26	11° Y 17'44		minimum elong	-7298 Jun 11 j 20:43	24° Y 16'19	0°18'27
opposition	-7305 Nov 23 j 00:23	9° Y 55'16	-0°57'57	max. Earth dist.	-7298 Jun 10 j 18:48	24° Y 13'55	31.13357 AU
min. Earth dist.	-7305 Nov 23 j 21:21	9° Y 53'48	29.07306 AU	morning rise	-7298 Jun 27 j 17:15	24° Y 51'31	
direct	-7304 Feb 11 j 11:01	8° Y 29'38		retrograde	-7298 Sep 22 j 02:32	26° Y 43'37	
evening set	-7304 May 12 j 16:44	10° Y 26'37		opposition	-7298 Dec 08 j 04:14	25° Y 21'36	-0°16'54
				min. Earth dist.	-7298 Dec 09 j 03:08	25° Y 20'00	29.13865 AU
conjunction	-7304 May 28 j 19:52	11° Y 02'19	-0°51'32	direct	-7297 Feb 27 j 00:00	23° Y 56'11	
minimum elong	-7304 May 28 j 19:52	11° Y 02'19	0°51'29	evening set	-7297 May 29 j 08:43	25° Y 53'12	
max. Earth dist.	-7304 May 27 j 19:46	11° Y 00'05	31.07602 AU	max. Earth dist.	-7297 Jun 13 j 07:14	26° Y 26'20	31.14272 AU

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Attention, astronomical year style is used: The year -7297 in astronomical counting style is the year 7298 BCE in historical counting style.

conjunction	-7297 Jun 14 j 08:45	26° Υ 28'43	-0°12'59	max. Earth dist.	-7292 Jun 23 j 15:57	7° \mathcal{B} 26'04	31.17285 AU
minimum elong	-7297 Jun 14 j 08:45	26° Υ 28'43	0°12'48	morning rise	-7292 Jul 10 j 11:21	8° \mathcal{B} 03'29	
behind sun begin	-7297 Jun 14 j 04:43	26° Υ 28'21		retrograde	-7292 Oct 04 j 16:17	9° \mathcal{B} 55'16	
behind sun end	-7297 Jun 14 j 12:46	26° Υ 29'04		opposition	-7292 Dec 20 j 23:27	8° \mathcal{B} 33'17	0°19'13
morning rise	-7297 Jun 30 j 04:32	27° Υ 03'53		min. Earth dist.	-7292 Dec 22 j 00:30	8° \mathcal{B} 31'33	29.17568 AU
retrograde	-7297 Sep 24 j 11:58	28° Υ 55'56		direct	-7291 Mar 12 j 06:06	7° \mathcal{B} 07'51	
opposition	-7297 Dec 10 j 15:28	27° Υ 33'57	-0°10'53	evening set	-7291 Jun 11 j 08:57	9° \mathcal{B} 04'38	
min. Earth dist.	-7297 Dec 11 j 15:51	27° Υ 32'16	29.14723 AU	max. Earth dist.	-7291 Jun 26 j 02:10	9° \mathcal{B} 37'19	31.17799 AU
direct	-7296 Feb 29 j 10:57	26° Υ 08'34					
evening set	-7296 May 30 j 21:12	28° Υ 05'34		conjunction	-7291 Jun 27 j 05:23	9° \mathcal{B} 39'52	0°20'51
				minimum elong	-7291 Jun 27 j 05:23	9° \mathcal{B} 39'52	0°21'07
conjunction	-7296 Jun 15 j 20:34	28° Υ 41'02	-0°07'21	morning rise	-7291 Jul 12 j 21:53	10° \mathcal{B} 14'46	
minimum elong	-7296 Jun 15 j 20:34	28° Υ 41'02	0°07'10	retrograde	-7291 Oct 07 j 02:52	12° \mathcal{B} 06'31	
behind sun begin	-7296 Jun 15 j 14:35	28° Υ 40'30		opposition	-7291 Dec 23 j 10:31	10° \mathcal{B} 44'31	0°25'10
behind sun end	-7296 Jun 16 j 02:34	28° Υ 41'34		min. Earth dist.	-7291 Dec 24 j 11:00	10° \mathcal{B} 42'50	29.18133 AU
max. Earth dist.	-7296 Jun 14 j 18:06	28° Υ 38'34	31.15075 AU	direct	-7290 Mar 14 j 17:27	9° \mathcal{B} 19'05	
morning rise	-7296 Jul 01 j 15:56	29° Υ 16'09		evening set	-7290 Jun 13 j 20:27	11° \mathcal{B} 15'50	
	-7296 Jul 22 j 22:08	0° \mathcal{B}					
retrograde	-7296 Sep 25 j 23:28	1° \mathcal{B} 08'09		conjunction	-7290 Jun 29 j 16:26	11° \mathcal{B} 51'01	0°26'24
	-7296 Dec 03 j 18:29	30° $\mathcal{R}\Upsilon$		minimum elong	-7290 Jun 29 j 16:25	11° \mathcal{B} 51'01	0°26'41
opposition	-7296 Dec 12 j 02:36	29° Υ 46'12	-0°04'50	max. Earth dist.	-7290 Jun 28 j 14:33	11° \mathcal{B} 48'37	31.18402 AU
min. Earth dist.	-7296 Dec 13 j 02:22	29° Υ 44'34	29.15459 AU	morning rise	-7290 Jul 15 j 08:09	12° \mathcal{B} 25'53	
direct	-7295 Mar 03 j 01:04	28° Υ 20'49		retrograde	-7290 Oct 09 j 10:42	14° \mathcal{B} 17'37	
	-7295 May 25 j 01:39	0° \mathcal{B}		opposition	-7290 Dec 25 j 21:54	12° \mathcal{B} 55'38	0°31'05
evening set	-7295 Jun 02 j 09:19	0° \mathcal{B} 17'48		min. Earth dist.	-7290 Dec 26 j 22:43	12° \mathcal{B} 53'55	29.18785 AU
max. Earth dist.	-7295 Jun 17 j 05:34	0° \mathcal{B} 50'44	31.15743 AU	direct	-7289 Mar 17 j 05:56	11° \mathcal{B} 30'15	
				evening set	-7289 Jun 16 j 08:01	13° \mathcal{B} 26'57	
conjunction	-7295 Jun 18 j 08:14	0° \mathcal{B} 53'13	-0°01'42	max. Earth dist.	-7289 Jul 01 j 00:38	13° \mathcal{B} 59'38	31.19114 AU
minimum elong	-7295 Jun 18 j 08:13	0° \mathcal{B} 53'13	0°01'29				
behind sun begin	-7295 Jun 18 j 01:42	0° \mathcal{B} 52'38		conjunction	-7289 Jul 02 j 03:10	14° \mathcal{B} 02'06	0°31'54
behind sun end	-7295 Jun 18 j 14:44	0° \mathcal{B} 53'48		minimum elong	-7289 Jul 02 j 03:09	14° \mathcal{B} 02'06	0°32'13
morning rise	-7295 Jul 04 j 02:57	1° \mathcal{B} 28'18		morning rise	-7289 Jul 17 j 18:25	14° \mathcal{B} 36'55	
retrograde	-7295 Sep 28 j 10:25	3° \mathcal{B} 20'15			-7289 Jul 28 j 13:49	15° \mathcal{B}	
asc. node	-7295 Oct 03 j 20:37	3° \mathcal{B} 19'44		retrograde	-7289 Oct 11 j 21:19	16° \mathcal{B} 28'40	
opposition	-7295 Dec 14 j 13:50	1° \mathcal{B} 58'18	0°01'12	opposition	-7289 Dec 28 j 09:11	15° \mathcal{B} 06'43	0°36'57
min. Earth dist.	-7295 Dec 15 j 14:50	1° \mathcal{B} 56'34	29.16077 AU	min. Earth dist.	-7289 Dec 29 j 08:48	15° \mathcal{B} 05'06	29.19550 AU
direct	-7294 Mar 05 j 13:41	0° \mathcal{B} 32'55			-7288 Jan 01 j 10:54	15° $\mathcal{R}\mathcal{B}$	
evening set	-7294 Jun 04 j 21:28	2° \mathcal{B} 29'51		direct	-7288 Mar 18 j 16:59	13° \mathcal{B} 41'23	
					-7288 May 30 j 12:46	15° \mathcal{B}	
conjunction	-7294 Jun 20 j 19:49	3° \mathcal{B} 05'13	0°04'04	evening set	-7288 Jun 17 j 19:23	15° \mathcal{B} 38'05	
minimum elong	-7294 Jun 20 j 19:49	3° \mathcal{B} 05'13	0°04'17				
behind sun begin	-7294 Jun 20 j 13:25	3° \mathcal{B} 04'39		conjunction	-7288 Jul 03 j 14:01	16° \mathcal{B} 13'12	0°37'22
behind sun end	-7294 Jun 21 j 02:13	3° \mathcal{B} 05'47		minimum elong	-7288 Jul 03 j 14:00	16° \mathcal{B} 13'12	0°37'41
max. Earth dist.	-7294 Jun 19 j 17:01	3° \mathcal{B} 02'43	31.16315 AU	max. Earth dist.	-7288 Jul 02 j 12:43	16° \mathcal{B} 10'50	31.19919 AU
morning rise	-7294 Jul 06 j 14:01	3° \mathcal{B} 40'15		morning rise	-7288 Jul 19 j 04:29	16° \mathcal{B} 47'58	
retrograde	-7294 Sep 30 j 20:33	5° \mathcal{B} 32'09		retrograde	-7288 Oct 13 j 06:39	18° \mathcal{B} 39'45	
opposition	-7294 Dec 17 j 00:53	4° \mathcal{B} 10'11	0°07'14	opposition	-7288 Dec 29 j 20:41	17° \mathcal{B} 17'51	0°42'46
min. Earth dist.	-7294 Dec 18 j 01:32	4° \mathcal{B} 08'29	29.16596 AU	min. Earth dist.	-7288 Dec 30 j 21:04	17° \mathcal{B} 16'11	29.20397 AU
direct	-7293 Mar 08 j 04:01	2° \mathcal{B} 44'47		direct	-7287 Mar 21 j 03:09	15° \mathcal{B} 52'36	
evening set	-7293 Jun 07 j 09:33	4° \mathcal{B} 41'40		evening set	-7287 Jun 20 j 06:40	17° \mathcal{B} 49'18	
max. Earth dist.	-7293 Jun 22 j 03:45	5° \mathcal{B} 14'26	31.16805 AU	max. Earth dist.	-7287 Jul 04 j 23:07	18° \mathcal{B} 21'59	31.20791 AU
conjunction	-7293 Jun 23 j 07:15	5° \mathcal{B} 17'00	0°09'41	conjunction	-7287 Jul 06 j 00:33	18° \mathcal{B} 24'21	0°42'46
minimum elong	-7293 Jun 23 j 07:14	5° \mathcal{B} 17'00	0°09'55	minimum elong	-7287 Jul 06 j 00:33	18° \mathcal{B} 24'21	0°43'07
behind sun begin	-7293 Jun 23 j 01:58	5° \mathcal{B} 16'32		morning rise	-7287 Jul 21 j 14:33	18° \mathcal{B} 59'06	
behind sun end	-7293 Jun 23 j 12:31	5° \mathcal{B} 17'28		retrograde	-7287 Oct 15 j 17:54	20° \mathcal{B} 50'55	
morning rise	-7293 Jul 09 j 00:53	5° \mathcal{B} 51'59		opposition	-7286 Jan 01 j 08:05	19° \mathcal{B} 29'05	0°48'31
retrograde	-7293 Oct 03 j 07:02	7° \mathcal{B} 43'49		min. Earth dist.	-7286 Jan 02 j 07:19	19° \mathcal{B} 27'29	29.21267 AU
opposition	-7293 Dec 19 j 12:08	6° \mathcal{B} 21'51	0°13'14	direct	-7286 Mar 23 j 16:13	18° \mathcal{B} 03'54	
min. Earth dist.	-7293 Dec 20 j 13:18	6° \mathcal{B} 20'07	29.17082 AU	evening set	-7286 Jun 22 j 18:00	20° \mathcal{B} 00'36	
direct	-7292 Mar 09 j 15:52	4° \mathcal{B} 56'26		max. Earth dist.	-7286 Jul 07 j 10:05	20° \mathcal{B} 33'16	31.21638 AU
evening set	-7292 Jun 08 j 21:12	6° \mathcal{B} 53'15					
				conjunction	-7286 Jul 08 j 11:15	20° \mathcal{B} 35'37	0°48'07
conjunction	-7292 Jun 24 j 18:24	7° \mathcal{B} 28'32	0°15'16	minimum elong	-7286 Jul 08 j 11:14	20° \mathcal{B} 35'37	0°48'28
minimum elong	-7292 Jun 24 j 18:24	7° \mathcal{B} 28'32	0°15'32	morning rise	-7286 Jul 24 j 00:30	21° \mathcal{B} 10'19	
behind sun begin	-7292 Jun 24 j 16:45	7° \mathcal{B} 28'24		retrograde	-7286 Oct 18 j 05:14	23° \mathcal{B} 02'12	
behind sun end	-7292 Jun 24 j 20:02	7° \mathcal{B} 28'41		opposition	-7285 Jan 03 j 19:38	21° \mathcal{B} 40'24	0°54'11

Attention, astronomical year style is used: The year -7285 in astronomical counting style is the year 7286 BCE in historical counting style.

min. Earth dist.	-7285 Jan 04 j 19:42	21° 8 38'45	29.22103 AU	conjunction	-7279 Jul 23 j 11:30	5° II 54'16	1°23'08
direct	-7285 Mar 26 j 03:32	20° 8 15'18		minimum elong	-7279 Jul 23 j 11:29	5° II 54'16	1°23'34
evening set	-7285 Jun 25 j 05:20	22° 8 12'01		max. Earth dist.	-7279 Jul 22 j 12:18	5° II 52'05	31.25024 AU
				morning rise	-7279 Aug 07 j 20:19	6° II 28'39	
conjunction	-7285 Jul 10 j 21:53	22° 8 46'59	0°53'24	retrograde	-7279 Nov 02 j 03:00	8° II 20'46	
minimum elong	-7285 Jul 10 j 21:52	22° 8 46'59	0°53'46	opposition	-7278 Jan 19 j 06:21	6° II 58'55	1°31'14
max. Earth dist.	-7285 Jul 09 j 21:03	22° 8 44'39	31.22435 AU	min. Earth dist.	-7278 Jan 20 j 05:10	6° II 57'22	29.25276 AU
morning rise	-7285 Jul 26 j 10:30	23° 8 21'38		direct	-7278 Apr 10 j 18:38	5° II 34'01	
retrograde	-7285 Oct 20 j 15:45	25° 8 13'34		evening set	-7278 Jul 10 j 09:37	7° II 30'21	
opposition	-7284 Jan 06 j 07:22	23° 8 51'48	0°59'48				
min. Earth dist.	-7284 Jan 07 j 06:45	23° 8 50'12	29.22847 AU	conjunction	-7278 Jul 25 j 21:15	8° II 04'58	1°27'42
direct	-7284 Mar 27 j 16:56	22° 8 26'46		minimum elong	-7278 Jul 25 j 21:14	8° II 04'58	1°28'08
evening set	-7284 Jun 26 j 16:32	24° 8 23'28		max. Earth dist.	-7278 Jul 24 j 22:23	8° II 02'49	31.25358 AU
max. Earth dist.	-7284 Jul 11 j 06:58	24° 8 56'01	31.23117 AU	morning rise	-7278 Aug 10 j 05:33	8° II 39'19	
				retrograde	-7278 Nov 04 j 13:03	10° II 31'28	
conjunction	-7284 Jul 12 j 08:18	24° 8 58'23	0°58'36	opposition	-7277 Jan 21 j 18:09	9° II 09'36	1°36'03
minimum elong	-7284 Jul 12 j 08:18	24° 8 58'23	0°58'58	min. Earth dist.	-7277 Jan 22 j 15:14	9° II 08'10	29.25651 AU
morning rise	-7284 Jul 27 j 20:20	25° 8 33'00		direct	-7277 Apr 13 j 07:17	7° II 44'43	
retrograde	-7284 Oct 22 j 03:06	27° 8 24'59		evening set	-7277 Jul 12 j 20:04	9° II 41'00	
opposition	-7283 Jan 07 j 19:11	26° 8 03'14	1°05'18	max. Earth dist.	-7277 Jul 27 j 09:00	10° II 13'30	31.25773 AU
min. Earth dist.	-7283 Jan 08 j 18:53	26° 8 01'37	29.23487 AU				
direct	-7283 Mar 30 j 04:40	24° 8 38'15		conjunction	-7277 Jul 28 j 07:02	10° II 15'35	1°32'08
evening set	-7283 Jun 29 j 03:40	26° 8 34'55		minimum elong	-7277 Jul 28 j 07:02	10° II 15'35	1°32'35
				morning rise	-7277 Aug 12 j 14:41	10° II 49'52	
conjunction	-7283 Jul 14 j 18:52	27° 8 09'47	1°03'43	retrograde	-7277 Nov 06 j 23:54	12° II 42'07	
minimum elong	-7283 Jul 14 j 18:52	27° 8 09'47	1°04'05	opposition	-7276 Jan 24 j 06:17	11° II 20'12	1°40'44
max. Earth dist.	-7283 Jul 13 j 18:30	27° 8 07'31	31.23685 AU	min. Earth dist.	-7276 Jan 25 j 03:23	11° II 18'46	29.26135 AU
morning rise	-7283 Jul 30 j 06:10	27° 8 44'21		direct	-7276 Apr 14 j 17:23	9° II 55'23	
retrograde	-7283 Oct 24 j 13:06	29° 8 36'22		evening set	-7276 Jul 14 j 06:17	11° II 51'38	
opposition	-7282 Jan 10 j 06:52	28° 8 14'38	1°10'43				
min. Earth dist.	-7282 Jan 11 j 06:37	28° 8 13'00	29.23988 AU	conjunction	-7276 Jul 29 j 16:37	12° II 26'09	1°36'27
direct	-7282 Apr 01 j 19:11	26° 8 49'41		minimum elong	-7276 Jul 29 j 16:37	12° II 26'09	1°36'53
evening set	-7282 Jul 01 j 14:52	28° 8 46'19		max. Earth dist.	-7276 Jul 28 j 19:45	12° II 24'11	31.26303 AU
max. Earth dist.	-7282 Jul 16 j 03:55	29° 8 18'45	31.24125 AU	morning rise	-7276 Aug 13 j 23:42	13° II 00'24	
				retrograde	-7276 Nov 08 j 10:09	14° II 52'43	
conjunction	-7282 Jul 17 j 05:14	29° 8 21'08	1°08'44	opposition	-7275 Jan 25 j 18:19	13° II 30'49	1°45'16
minimum elong	-7282 Jul 17 j 05:13	29° 8 21'08	1°09'07	min. Earth dist.	-7275 Jan 26 j 14:02	13° II 29'29	29.26698 AU
morning rise	-7282 Aug 01 j 16:02	29° 8 55'39		direct	-7275 Apr 17 j 05:52	12° II 06'04	
	-7282 Aug 03 j 15:49	0° II		evening set	-7275 Jul 16 j 16:38	14° II 02'17	
retrograde	-7282 Oct 27 j 00:09	1° II 47'41		max. Earth dist.	-7275 Jul 31 j 05:24	14° II 34'48	31.26892 AU
opposition	-7281 Jan 12 j 18:39	0° II 25'56	1°16'02				
min. Earth dist.	-7281 Jan 13 j 17:52	0° II 24'21	29.24383 AU	conjunction	-7275 Aug 01 j 02:14	14° II 36'45	1°40'37
	-7281 Jan 28 j 20:56	30° 8		minimum elong	-7275 Aug 01 j 02:13	14° II 36'45	1°41'04
direct	-7281 Apr 04 j 07:01	29° 8 01'00		morning rise	-7275 Aug 16 j 08:49	15° II 10'58	
	-7281 Jun 05 j 11:10	0° II		retrograde	-7275 Nov 10 j 22:04	17° II 03'23	
evening set	-7281 Jul 04 j 01:42	0° II 57'35		opposition	-7274 Jan 28 j 06:19	15° II 41'30	1°49'38
				min. Earth dist.	-7274 Jan 29 j 01:48	15° II 40'11	29.27317 AU
conjunction	-7281 Jul 19 j 15:31	1° II 32'21	1°13'38	direct	-7274 Apr 19 j 17:06	14° II 16'50	
minimum elong	-7281 Jul 19 j 15:31	1° II 32'21	1°14'03	evening set	-7274 Jul 19 j 02:53	16° II 13'02	
max. Earth dist.	-7281 Jul 18 j 15:32	1° II 30'06	31.24462 AU				
morning rise	-7281 Aug 04 j 01:31	2° II 06'49		conjunction	-7274 Aug 03 j 11:57	16° II 47'27	1°44'38
retrograde	-7281 Oct 29 j 07:48	3° II 58'53		minimum elong	-7274 Aug 03 j 11:56	16° II 47'27	1°45'06
opposition	-7280 Jan 15 j 06:37	2° II 37'06	1°21'13	max. Earth dist.	-7274 Aug 02 j 16:43	16° II 45'39	31.27504 AU
min. Earth dist.	-7280 Jan 16 j 06:15	2° II 35'30	29.24686 AU	morning rise	-7274 Aug 18 j 17:51	17° II 21'38	
direct	-7280 Apr 05 j 20:09	1° II 12'11		retrograde	-7274 Nov 13 j 08:39	19° II 14'09	
evening set	-7280 Jul 05 j 12:34	3° II 08'41		opposition	-7273 Jan 30 j 18:36	17° II 52'17	1°53'52
max. Earth dist.	-7280 Jul 20 j 00:59	3° II 41'06	31.24747 AU	min. Earth dist.	-7273 Jan 31 j 13:40	17° II 51'00	29.27912 AU
				direct	-7273 Apr 22 j 06:53	16° II 27'43	
conjunction	-7280 Jul 21 j 01:32	3° II 43'24	1°18'27	evening set	-7273 Jul 21 j 13:10	18° II 23'52	
minimum elong	-7280 Jul 21 j 01:31	3° II 43'24	1°18'52				
morning rise	-7280 Aug 05 j 11:06	4° II 17'49		conjunction	-7273 Aug 05 j 21:24	18° II 58'15	1°48'31
retrograde	-7280 Oct 30 j 18:09	6° II 09'54		minimum elong	-7273 Aug 05 j 21:23	18° II 58'15	1°49'00
opposition	-7279 Jan 16 j 18:23	4° II 48'06	1°26'18	max. Earth dist.	-7273 Aug 05 j 01:44	18° II 56'24	31.28066 AU
min. Earth dist.	-7279 Jan 17 j 16:42	4° II 46'34	29.24972 AU	morning rise	-7273 Aug 21 j 02:53	19° II 32'23	
direct	-7279 Apr 08 j 07:40	3° II 23'10		retrograde	-7273 Nov 15 j 20:24	21° II 25'01	
evening set	-7279 Jul 07 j 23:03	5° II 19'36		opposition	-7272 Feb 02 j 06:58	20° II 03'10	1°57'55
				min. Earth dist.	-7272 Feb 03 j 01:05	20° II 01'56	29.28448 AU

Attention, astronomical year style is used: The year -7272 in astronomical counting style is the year 7273 BCE in historical counting style.

direct	-7272 Apr 23 j 18:07	18° Π 38'40		conjunction	-7266 Aug 20 j 15:24	4° \mathfrak{D} 14'06	2°11'00
evening set	-7272 Jul 22 j 23:21	20° Π 34'48		minimum elong	-7266 Aug 20 j 15:24	4° \mathfrak{D} 14'06	2°11'29
				max. Earth dist.	-7266 Aug 19 j 23:49	4° \mathfrak{D} 12'37	31.28763 AU
conjunction	-7272 Aug 07 j 07:07	21° Π 09'08	1°52'14	morning rise	-7266 Sep 04 j 17:39	4° \mathfrak{D} 48'02	
minimum elong	-7272 Aug 07 j 07:06	21° Π 09'08	1°52'42	retrograde	-7266 Nov 30 j 21:41	6° \mathfrak{D} 41'19	
max. Earth dist.	-7272 Aug 06 j 12:55	21° Π 07'25	31.28537 AU	opposition	-7265 Feb 17 j 22:39	5° \mathfrak{D} 19'12	2°21'19
morning rise	-7272 Aug 22 j 11:54	21° Π 43'14		min. Earth dist.	-7265 Feb 18 j 13:03	5° \mathfrak{D} 18'13	29.28884 AU
retrograde	-7272 Nov 17 j 05:22	23° Π 35'58		direct	-7265 May 10 j 04:33	3° \mathfrak{D} 54'57	
opposition	-7271 Feb 03 j 19:26	22° Π 14'08	2°01'49	evening set	-7265 Aug 07 j 20:37	5° \mathfrak{D} 50'35	
min. Earth dist.	-7271 Feb 04 j 13:52	22° Π 12'53	29.28864 AU	max. Earth dist.	-7265 Aug 22 j 11:00	6° \mathfrak{D} 23'22	31.28674 AU
direct	-7271 Apr 26 j 07:10	20° Π 49'42					
evening set	-7271 Jul 25 j 09:36	22° Π 45'46		conjunction	-7265 Aug 23 j 00:29	6° \mathfrak{D} 24'38	2°13'30
				minimum elong	-7265 Aug 23 j 00:28	6° \mathfrak{D} 24'38	2°13'59
conjunction	-7271 Aug 09 j 16:37	23° Π 20'04	1°55'48	morning rise	-7265 Sep 07 j 02:12	6° \mathfrak{D} 58'32	
minimum elong	-7271 Aug 09 j 16:36	23° Π 20'04	1°56'17	retrograde	-7265 Dec 03 j 08:32	8° \mathfrak{D} 51'57	
max. Earth dist.	-7271 Aug 08 j 21:53	23° Π 18'18	31.28882 AU	opposition	-7264 Feb 20 j 11:22	7° \mathfrak{D} 29'46	2°23'53
morning rise	-7271 Aug 24 j 21:04	23° Π 54'09		min. Earth dist.	-7264 Feb 21 j 00:44	7° \mathfrak{D} 28'52	29.28832 AU
retrograde	-7271 Nov 19 j 16:38	25° Π 46'58		direct	-7264 May 11 j 17:53	6° \mathfrak{D} 05'35	
opposition	-7270 Feb 06 j 07:50	24° Π 25'07	2°05'32	evening set	-7264 Aug 09 j 06:15	8° \mathfrak{D} 01'09	
min. Earth dist.	-7270 Feb 07 j 00:58	24° Π 23'57	29.29138 AU				
direct	-7270 Apr 28 j 19:07	23° Π 00'44		conjunction	-7264 Aug 24 j 09:29	8° \mathfrak{D} 35'10	2°15'48
evening set	-7270 Jul 27 j 19:43	24° Π 56'46		minimum elong	-7264 Aug 24 j 09:29	8° \mathfrak{D} 35'10	2°16'17
max. Earth dist.	-7270 Aug 11 j 08:31	25° Π 29'21	31.29064 AU	max. Earth dist.	-7264 Aug 23 j 20:03	8° \mathfrak{D} 33'54	31.28667 AU
				morning rise	-7264 Sep 08 j 11:03	9° \mathfrak{D} 09'03	
conjunction	-7270 Aug 12 j 02:13	25° Π 31'01	1°59'11	retrograde	-7264 Dec 04 j 20:26	11° \mathfrak{D} 02'35	
minimum elong	-7270 Aug 12 j 02:12	25° Π 31'01	1°59'40	opposition	-7263 Feb 21 j 23:51	9° \mathfrak{D} 40'22	2°26'14
morning rise	-7270 Aug 27 j 06:02	26° Π 05'04		min. Earth dist.	-7263 Feb 22 j 11:42	9° \mathfrak{D} 39'35	29.28878 AU
retrograde	-7270 Nov 22 j 02:04	27° Π 57'59		direct	-7263 May 14 j 04:16	8° \mathfrak{D} 16'15	
opposition	-7269 Feb 08 j 20:26	26° Π 36'06	2°09'04	evening set	-7263 Aug 11 j 15:36	10° \mathfrak{D} 11'45	
min. Earth dist.	-7269 Feb 09 j 14:14	26° Π 34'54	29.29256 AU				
direct	-7269 May 01 j 06:34	25° Π 11'46		conjunction	-7263 Aug 26 j 18:35	10° \mathfrak{D} 45'46	2°17'54
evening set	-7269 Jul 30 j 05:50	27° Π 07'43		minimum elong	-7263 Aug 26 j 18:34	10° \mathfrak{D} 45'46	2°18'24
				max. Earth dist.	-7263 Aug 26 j 07:06	10° \mathfrak{D} 44'41	31.28737 AU
conjunction	-7269 Aug 14 j 11:42	27° Π 41'56	2°02'25	morning rise	-7263 Sep 10 j 19:42	11° \mathfrak{D} 19'38	
minimum elong	-7269 Aug 14 j 11:41	27° Π 41'56	2°02'54	retrograde	-7263 Dec 07 j 05:56	13° \mathfrak{D} 13'17	
max. Earth dist.	-7269 Aug 13 j 18:16	27° Π 40'17	31.29116 AU	opposition	-7262 Feb 24 j 12:35	11° \mathfrak{D} 51'04	2°28'23
morning rise	-7269 Aug 29 j 15:08	28° Π 15'57		min. Earth dist.	-7262 Feb 25 j 00:09	11° \mathfrak{D} 50'17	29.28971 AU
	-7269 Nov 01 j 13:55	0° \mathfrak{D}		direct	-7262 May 16 j 17:33	10° \mathfrak{D} 27'02	
retrograde	-7269 Nov 24 j 12:28	0° \mathfrak{D} 08'58		evening set	-7262 Aug 14 j 01:03	12° \mathfrak{D} 22'29	
	-7269 Dec 18 j 00:28	30° \mathfrak{R} Π					
opposition	-7268 Feb 11 j 08:59	28° Π 47'02	2°12'25	conjunction	-7262 Aug 29 j 03:28	12° \mathfrak{D} 56'28	2°19'49
min. Earth dist.	-7268 Feb 12 j 01:12	28° Π 45'56	29.29243 AU	minimum elong	-7262 Aug 29 j 03:28	12° \mathfrak{D} 56'27	2°20'18
direct	-7268 May 02 j 18:58	27° Π 22'44		max. Earth dist.	-7262 Aug 28 j 16:10	12° \mathfrak{D} 55'23	31.28849 AU
evening set	-7268 Jul 31 j 15:39	29° Π 18'35		morning rise	-7262 Sep 13 j 04:26	13° \mathfrak{D} 30'19	
				retrograde	-7262 Dec 09 j 18:01	15° \mathfrak{D} 24'06	
conjunction	-7268 Aug 15 j 20:59	29° Π 52'46	2°05'27	opposition	-7261 Feb 27 j 01:17	14° \mathfrak{D} 01'53	2°30'19
minimum elong	-7268 Aug 15 j 20:59	29° Π 52'46	2°05'57	min. Earth dist.	-7261 Feb 27 j 11:00	14° \mathfrak{D} 01'13	29.29086 AU
max. Earth dist.	-7268 Aug 15 j 04:04	29° Π 51'10	31.29042 AU	direct	-7261 May 19 j 05:40	12° \mathfrak{D} 37'56	
	-7268 Aug 19 j 01:39	0° \mathfrak{D}		evening set	-7261 Aug 16 j 10:26	14° \mathfrak{D} 33'19	
morning rise	-7268 Aug 30 j 24:00	0° \mathfrak{D} 26'45					
retrograde	-7268 Nov 25 j 23:24	2° \mathfrak{D} 19'52		conjunction	-7261 Aug 31 j 12:33	15° \mathfrak{D} 07'17	2°21'31
opposition	-7267 Feb 12 j 21:37	0° \mathfrak{D} 57'52	2°15'35	minimum elong	-7261 Aug 31 j 12:33	15° \mathfrak{D} 07'17	2°22'01
min. Earth dist.	-7267 Feb 13 j 14:04	0° \mathfrak{D} 56'45	29.29142 AU	max. Earth dist.	-7261 Aug 31 j 02:40	15° \mathfrak{D} 06'21	31.28945 AU
	-7267 Mar 24 j 05:19	30° \mathfrak{R} Π		morning rise	-7261 Sep 15 j 13:11	15° \mathfrak{D} 41'08	
direct	-7267 May 05 j 04:55	29° Π 33'34		retrograde	-7261 Dec 12 j 03:59	17° \mathfrak{D} 35'05	
	-7267 Jun 14 j 22:37	0° \mathfrak{D}		opposition	-7260 Feb 29 j 14:16	16° \mathfrak{D} 12'50	2°32'02
evening set	-7267 Aug 03 j 01:25	1° \mathfrak{D} 29'21		min. Earth dist.	-7260 Mar 01 j 00:15	16° \mathfrak{D} 12'09	29.29168 AU
				direct	-7260 May 20 j 16:59	14° \mathfrak{D} 48'58	
conjunction	-7267 Aug 18 j 06:17	2° \mathfrak{D} 03'29	2°08'19	evening set	-7260 Aug 17 j 19:47	16° \mathfrak{D} 44'17	
minimum elong	-7267 Aug 18 j 06:17	2° \mathfrak{D} 03'29	2°08'49				
max. Earth dist.	-7267 Aug 17 j 14:34	2° \mathfrak{D} 02'00	31.28910 AU	conjunction	-7260 Sep 01 j 21:32	17° \mathfrak{D} 18'13	2°23'01
morning rise	-7267 Sep 02 j 08:50	2° \mathfrak{D} 37'26		minimum elong	-7260 Sep 01 j 21:32	17° \mathfrak{D} 18'13	2°23'30
retrograde	-7267 Nov 28 j 09:28	4° \mathfrak{D} 30'38		max. Earth dist.	-7260 Sep 01 j 12:22	17° \mathfrak{D} 17'21	31.28992 AU
opposition	-7266 Feb 15 j 10:00	3° \mathfrak{D} 08'35	2°18'33	morning rise	-7260 Sep 16 j 22:00	17° \mathfrak{D} 52'04	
min. Earth dist.	-7266 Feb 16 j 01:03	3° \mathfrak{D} 07'34	29.28995 AU	retrograde	-7260 Dec 13 j 14:15	19° \mathfrak{D} 46'09	
direct	-7266 May 07 j 17:21	1° \mathfrak{D} 44'18		opposition	-7259 Mar 03 j 03:08	18° \mathfrak{D} 23'53	2°33'32
evening set	-7266 Aug 05 j 11:11	3° \mathfrak{D} 40'00		min. Earth dist.	-7259 Mar 03 j 11:23	18° \mathfrak{D} 23'19	29.29161 AU

Attention, astronomical year style is used: The year -7259 in astronomical counting style is the year 7260 BCE in historical counting style.

direct	-7259 May 23 j 04:56	17°00'05		minimum elong	-7253 Sep 17 j 12:39	2°03'26	2°28'11
evening set	-7259 Aug 20 j 05:17	18°05'52		max. Earth dist.	-7253 Sep 17 j 08:53	2°03'40	31.26071 AU
				morning rise	-7253 Oct 02 j 12:33	3°08'15	
conjunction	-7259 Sep 04 j 06:39	19°02'15	2°24'19	retrograde	-7253 Dec 29 j 22:33	5°03'07	
minimum elong	-7259 Sep 04 j 06:39	19°02'15	2°24'48	opposition	-7252 Mar 18 j 22:11	3°04'15	2°37'48
max. Earth dist.	-7259 Sep 03 j 21:50	19°02'28	31.28915 AU	min. Earth dist.	-7252 Mar 19 j 00:18	3°04'07	29.26008 AU
morning rise	-7259 Sep 19 j 06:56	20°03'05		direct	-7252 Jun 07 j 14:17	2°01'36	
retrograde	-7259 Dec 16 j 01:18	21°05'18		evening set	-7252 Sep 03 j 21:25	4°01'10	
opposition	-7258 Mar 05 j 16:04	20°03'45	2°34'48				
min. Earth dist.	-7258 Mar 06 j 00:33	20°03'45	29.29031 AU	conjunction	-7252 Sep 18 j 21:30	4°04'45	2°27'35
direct	-7258 May 25 j 14:36	19°01'11		minimum elong	-7252 Sep 18 j 21:30	4°04'45	2°28'00
evening set	-7258 Aug 22 j 14:41	21°06'25		max. Earth dist.	-7252 Sep 18 j 19:19	4°04'45	31.25565 AU
				morning rise	-7252 Oct 03 j 21:25	5°01'47	
conjunction	-7258 Sep 06 j 15:51	21°04'01	2°25'25	retrograde	-7252 Dec 31 j 08:37	7°01'34	
minimum elong	-7258 Sep 06 j 15:51	21°04'01	2°25'53	opposition	-7251 Mar 21 j 11:15	5°05'51	2°37'31
max. Earth dist.	-7258 Sep 06 j 08:14	21°03'36	31.28712 AU	min. Earth dist.	-7251 Mar 21 j 13:11	5°05'43	29.25555 AU
morning rise	-7258 Sep 21 j 15:53	22°01'40		direct	-7251 Jun 10 j 01:37	4°02'16	
retrograde	-7258 Dec 18 j 12:02	24°08'29		evening set	-7251 Sep 06 j 06:21	6°02'14	
opposition	-7257 Mar 08 j 05:07	22°04'07	2°35'52				
min. Earth dist.	-7257 Mar 08 j 12:15	22°04'53	29.28745 AU	conjunction	-7251 Sep 21 j 06:22	6°05'53	2°27'12
direct	-7257 May 28 j 03:05	21°02'24		minimum elong	-7251 Sep 21 j 06:23	6°05'53	2°27'37
evening set	-7257 Aug 25 j 00:03	23°01'7		max. Earth dist.	-7251 Sep 21 j 05:27	6°05'56	31.25168 AU
				morning rise	-7251 Oct 06 j 06:21	7°02'29	
conjunction	-7257 Sep 09 j 00:50	23°05'12	2°26'18	retrograde	-7250 Jan 02 j 19:03	9°02'42	
minimum elong	-7257 Sep 09 j 00:50	23°05'12	2°26'46	opposition	-7250 Mar 24 j 00:03	8°01'32	2°37'00
max. Earth dist.	-7257 Sep 08 j 17:02	23°05'03	31.28353 AU	min. Earth dist.	-7250 Mar 23 j 23:45	8°01'33	29.25194 AU
morning rise	-7257 Sep 24 j 00:53	24°02'51		direct	-7250 Jun 12 j 13:27	6°03'80	
retrograde	-7257 Dec 21 j 00:38	26°01'39		evening set	-7250 Sep 08 j 15:18	8°03'22	
opposition	-7256 Mar 09 j 18:16	24°05'11	2°36'42				
min. Earth dist.	-7256 Mar 10 j 01:01	24°05'44	29.28325 AU	conjunction	-7250 Sep 23 j 15:14	9°06'12	2°26'37
direct	-7256 May 29 j 13:40	23°03'30		minimum elong	-7250 Sep 23 j 15:14	9°06'12	2°27'01
evening set	-7256 Aug 26 j 09:17	25°02'8		max. Earth dist.	-7250 Sep 23 j 15:03	9°06'11	31.24848 AU
				morning rise	-7250 Oct 08 j 15:23	9°04'04	
conjunction	-7256 Sep 10 j 10:01	26°02'20	2°26'58	retrograde	-7249 Jan 05 j 06:33	11°03'52	
minimum elong	-7256 Sep 10 j 10:01	26°02'20	2°27'26	opposition	-7249 Mar 26 j 13:13	10°01'22	2°36'15
max. Earth dist.	-7256 Sep 10 j 04:00	26°01'45	31.27865 AU	min. Earth dist.	-7249 Mar 26 j 12:36	10°01'24	29.24910 AU
morning rise	-7256 Sep 25 j 09:51	26°03'08		direct	-7249 Jun 14 j 22:52	8°04'85	
retrograde	-7256 Dec 22 j 11:32	28°03'42		evening set	-7249 Sep 11 j 00:04	10°04'31	
opposition	-7255 Mar 12 j 07:11	27°08'09	2°37'19				
min. Earth dist.	-7255 Mar 12 j 13:17	27°07'44	29.27776 AU	conjunction	-7249 Sep 26 j 00:08	11°01'70	2°25'48
direct	-7255 Jun 01 j 02:08	25°04'42		minimum elong	-7249 Sep 26 j 00:08	11°01'70	2°26'13
evening set	-7255 Aug 28 j 18:32	27°03'19		max. Earth dist.	-7249 Sep 26 j 01:48	11°01'13	31.24587 AU
				morning rise	-7249 Oct 11 j 00:20	11°05'56	
conjunction	-7255 Sep 12 j 18:56	28°01'31	2°27'26	retrograde	-7248 Jan 07 j 17:39	13°04'62	
minimum elong	-7255 Sep 12 j 18:56	28°01'31	2°27'54	opposition	-7248 Mar 28 j 02:17	12°02'32	2°35'17
max. Earth dist.	-7255 Sep 12 j 12:44	28°01'23	31.27280 AU	min. Earth dist.	-7248 Mar 27 j 23:58	12°02'31	29.24643 AU
morning rise	-7255 Sep 27 j 18:54	28°04'59		direct	-7248 Jun 16 j 10:41	11°00'01	
	-7255 Nov 04 j 05:55	0°01'		evening set	-7248 Sep 12 j 09:08	12°05'41	
retrograde	-7255 Dec 24 j 23:49	0°04'13					
	-7254 Feb 16 j 06:18	30°08'		conjunction	-7248 Sep 27 j 09:05	13°02'80	2°24'48
opposition	-7254 Mar 14 j 20:10	29°01'58	2°37'42	minimum elong	-7248 Sep 27 j 09:05	13°02'80	2°25'11
min. Earth dist.	-7254 Mar 15 j 00:55	29°01'39	29.27168 AU	max. Earth dist.	-7248 Sep 27 j 10:46	13°02'81	31.24318 AU
direct	-7254 Jun 03 j 12:48	27°05'17		morning rise	-7248 Oct 12 j 09:38	14°02'00	
evening set	-7254 Aug 31 j 03:28	29°05'01			-7248 Nov 09 j 21:08	15°01'	
	-7254 Sep 04 j 14:56	0°01'		retrograde	-7247 Jan 09 j 06:45	15°05'36	
					-7247 Mar 14 j 15:15	15°08'	
conjunction	-7254 Sep 15 j 03:49	0°02'35	2°27'42	opposition	-7247 Mar 30 j 15:18	14°03'34	2°34'05
minimum elong	-7254 Sep 15 j 03:50	0°02'35	2°28'09	min. Earth dist.	-7247 Mar 30 j 12:29	14°03'45	29.24361 AU
max. Earth dist.	-7254 Sep 14 j 23:34	0°02'27	31.26654 AU	direct	-7247 Jun 18 j 19:58	13°01'18	
morning rise	-7254 Sep 30 j 03:36	0°05'40			-7247 Sep 12 j 06:33	15°01'	
retrograde	-7254 Dec 27 j 10:03	2°05'25		evening set	-7247 Sep 14 j 18:06	15°05'28	
opposition	-7253 Mar 17 j 09:16	1°02'39	2°37'52				
min. Earth dist.	-7253 Mar 17 j 13:35	1°02'22	29.26551 AU	conjunction	-7247 Sep 29 j 18:18	15°03'20	2°23'34
direct	-7253 Jun 06 j 02:13	0°05'59		minimum elong	-7247 Sep 29 j 18:18	15°03'20	2°23'57
evening set	-7253 Sep 02 j 12:32	2°00'36		max. Earth dist.	-7247 Sep 29 j 21:52	15°03'40	31.23999 AU
				morning rise	-7247 Oct 14 j 18:53	16°01'31	
conjunction	-7253 Sep 17 j 12:39	2°03'42	2°27'45	retrograde	-7246 Jan 11 j 18:25	18°09'01	

Attention, astronomical year style is used: The year -7246 in astronomical counting style is the year 7247 BCE in historical counting style.

opposition	-7246 Apr 02 j 04:28	16° Ω 45'57	2°32'40	conjunction	-7240 Oct 14 j 10:45	0° η 59'17	2°09'21
min. Earth dist.	-7246 Apr 02 j 00:56	16° Ω 46'11	29.23990 AU	minimum elong	-7240 Oct 14 j 10:45	0° η 59'17	2°09'37
direct	-7246 Jun 21 j 07:10	15° Ω 22'45		max. Earth dist.	-7240 Oct 14 j 20:16	1° η 00'11	31.19089 AU
evening set	-7246 Sep 17 j 03:10	17° Ω 16'51		morning rise	-7240 Oct 29 j 13:44	1° η 33'26	
				retrograde	-7239 Jan 27 j 04:59	3° η 29'56	
conjunction	-7246 Oct 02 j 03:17	17° Ω 50'44	2°22'08	opposition	-7239 Apr 18 j 00:27	2° η 06'14	2°16'44
minimum elong	-7246 Oct 02 j 03:17	17° Ω 50'44	2°22'30	min. Earth dist.	-7239 Apr 17 j 14:14	2° η 06'55	29.18880 AU
max. Earth dist.	-7246 Oct 02 j 06:39	17° Ω 51'03	31.23584 AU	direct	-7239 Jul 06 j 17:15	0° η 43'10	
morning rise	-7246 Oct 17 j 04:15	18° Ω 24'41		evening set	-7239 Oct 01 j 18:12	2° η 36'30	
retrograde	-7245 Jan 14 j 07:44	20° Ω 20'36					
opposition	-7245 Apr 04 j 17:43	18° Ω 57'28	2°31'01	conjunction	-7239 Oct 16 j 19:56	3° η 10'31	2°06'33
min. Earth dist.	-7245 Apr 04 j 12:59	18° Ω 57'47	29.23516 AU	minimum elong	-7239 Oct 16 j 19:57	3° η 10'31	2°06'49
direct	-7245 Jun 23 j 17:04	17° Ω 34'20		max. Earth dist.	-7239 Oct 17 j 05:36	3° η 11'26	31.18392 AU
evening set	-7245 Sep 19 j 12:14	19° Ω 28'21		morning rise	-7239 Oct 31 j 23:32	3° η 44'42	
				retrograde	-7238 Jan 29 j 17:13	5° η 41'19	
conjunction	-7245 Oct 04 j 12:37	20° Ω 02'14	2°20'30	opposition	-7238 Apr 20 j 13:33	4° η 17'32	2°13'38
minimum elong	-7245 Oct 04 j 12:38	20° Ω 02'15	2°20'51	min. Earth dist.	-7238 Apr 20 j 02:31	4° η 18'17	29.18234 AU
max. Earth dist.	-7245 Oct 04 j 17:28	20° Ω 02'42	31.23040 AU	direct	-7238 Jul 09 j 02:28	2° η 54'31	
morning rise	-7245 Oct 19 j 13:45	20° Ω 36'14		evening set	-7238 Oct 04 j 02:59	4° η 47'45	
retrograde	-7244 Jan 16 j 19:37	22° Ω 32'16					
opposition	-7244 Apr 06 j 06:59	21° Ω 09'04	2°29'10	conjunction	-7238 Oct 19 j 05:13	5° η 21'48	2°03'33
min. Earth dist.	-7244 Apr 06 j 02:13	21° Ω 09'23	29.22901 AU	minimum elong	-7238 Oct 19 j 05:14	5° η 21'48	2°03'49
direct	-7244 Jun 25 j 06:04	19° Ω 45'58		max. Earth dist.	-7238 Oct 19 j 17:09	5° η 22'55	31.17794 AU
evening set	-7244 Sep 20 j 21:20	21° Ω 39'53		morning rise	-7238 Nov 03 j 09:08	5° η 56'01	
				retrograde	-7237 Feb 01 j 04:20	7° η 52'45	
conjunction	-7244 Oct 05 j 21:50	22° Ω 13'47	2°18'39	opposition	-7237 Apr 23 j 02:40	6° η 28'55	2°10'21
minimum elong	-7244 Oct 05 j 21:51	22° Ω 13'47	2°19'00	min. Earth dist.	-7237 Apr 22 j 14:32	6° η 29'45	29.17666 AU
max. Earth dist.	-7244 Oct 06 j 02:47	22° Ω 14'15	31.22373 AU	direct	-7237 Jul 11 j 13:16	5° η 05'58	
morning rise	-7244 Oct 20 j 23:24	22° Ω 47'48		evening set	-7237 Oct 06 j 12:05	6° η 59'07	
retrograde	-7243 Jan 18 j 09:29	24° Ω 43'56					
opposition	-7243 Apr 08 j 20:07	23° Ω 20'39	2°27'05	conjunction	-7237 Oct 21 j 14:34	7° η 33'11	2°00'23
min. Earth dist.	-7243 Apr 08 j 13:41	23° Ω 21'05	29.22162 AU	minimum elong	-7237 Oct 21 j 14:35	7° η 33'11	2°00'38
direct	-7243 Jun 27 j 18:07	21° Ω 57'33		max. Earth dist.	-7237 Oct 22 j 02:37	7° η 34'20	31.17276 AU
evening set	-7243 Sep 23 j 06:21	23° Ω 51'22		morning rise	-7237 Nov 05 j 19:08	8° η 07'27	
				retrograde	-7236 Feb 03 j 18:10	10° η 04'19	
conjunction	-7243 Oct 08 j 07:04	24° Ω 25'18	2°16'37	opposition	-7236 Apr 24 j 15:39	8° η 40'27	2°06'51
minimum elong	-7243 Oct 08 j 07:05	24° Ω 25'18	2°16'57	min. Earth dist.	-7236 Apr 24 j 02:13	8° η 41'22	29.17170 AU
max. Earth dist.	-7243 Oct 08 j 13:00	24° Ω 25'52	31.21577 AU	direct	-7236 Jul 12 j 22:46	7° η 17'33	
morning rise	-7243 Oct 23 j 08:56	24° Ω 59'21		evening set	-7236 Oct 07 j 21:08	9° η 10'38	
retrograde	-7242 Jan 20 j 19:54	26° Ω 55'34					
opposition	-7242 Apr 11 j 09:19	25° Ω 32'11	2°24'49	conjunction	-7236 Oct 23 j 00:07	9° η 44'45	1°57'02
min. Earth dist.	-7242 Apr 11 j 03:10	25° Ω 32'36	29.21324 AU	minimum elong	-7236 Oct 23 j 00:07	9° η 44'45	1°57'15
direct	-7242 Jun 30 j 05:38	24° Ω 09'06		max. Earth dist.	-7236 Oct 23 j 13:46	9° η 46'02	31.16787 AU
evening set	-7242 Sep 25 j 15:19	26° Ω 02'47		morning rise	-7236 Nov 07 j 05:06	10° η 19'04	
				retrograde	-7235 Feb 05 j 06:33	12° η 16'03	
conjunction	-7242 Oct 10 j 16:19	26° Ω 36'43	2°14'23	opposition	-7235 Apr 27 j 04:46	10° η 52'09	2°03'10
minimum elong	-7242 Oct 10 j 16:19	26° Ω 36'43	2°14'42	min. Earth dist.	-7235 Apr 26 j 15:10	10° η 53'04	29.16670 AU
max. Earth dist.	-7242 Oct 10 j 23:25	26° Ω 37'24	31.20730 AU	direct	-7235 Jul 15 j 10:22	9° η 29'19	
morning rise	-7242 Oct 25 j 18:31	27° Ω 10'48		evening set	-7235 Oct 10 j 06:20	11° η 22'20	
retrograde	-7241 Jan 23 j 06:52	29° Ω 07'06					
opposition	-7241 Apr 13 j 22:24	27° Ω 43'36	2°22'19	conjunction	-7235 Oct 25 j 09:39	11° η 56'29	1°53'30
min. Earth dist.	-7241 Apr 13 j 14:14	27° Ω 44'09	29.20460 AU	minimum elong	-7235 Oct 25 j 09:40	11° η 56'29	1°53'42
direct	-7241 Jul 02 j 18:32	26° Ω 20'31		max. Earth dist.	-7235 Oct 25 j 23:40	11° η 57'49	31.16287 AU
evening set	-7241 Sep 28 j 00:13	28° Ω 14'04		morning rise	-7235 Nov 09 j 15:12	12° η 30'51	
				retrograde	-7234 Feb 07 j 20:54	14° η 27'58	
conjunction	-7241 Oct 13 j 01:23	28° Ω 48'02	2°11'58	opposition	-7234 Apr 29 j 17:46	13° η 04'02	1°59'18
minimum elong	-7241 Oct 13 j 01:24	28° Ω 48'02	2°12'15	min. Earth dist.	-7234 Apr 29 j 02:33	13° η 05'03	29.16135 AU
max. Earth dist.	-7241 Oct 13 j 09:01	28° Ω 48'46	31.19876 AU	direct	-7234 Jul 17 j 21:21	11° η 41'15	
morning rise	-7241 Oct 28 j 04:06	29° Ω 22'09		evening set	-7234 Oct 12 j 15:42	13° η 34'13	
retrograde	-7241 Nov 15 j 00:43	0° η					
	-7240 Jan 25 j 18:34	1° η 18'34		conjunction	-7234 Oct 27 j 19:25	14° η 08'24	1°49'48
	-7240 Apr 12 j 08:46	30° κ 8		minimum elong	-7234 Oct 27 j 19:25	14° η 08'25	1°49'59
opposition	-7240 Apr 15 j 11:37	29° Ω 54'57	2°19'38	max. Earth dist.	-7234 Oct 28 j 10:11	14° η 09'48	31.15713 AU
min. Earth dist.	-7240 Apr 15 j 03:14	29° Ω 55'31	29.19634 AU	morning rise	-7234 Nov 12 j 01:31	14° η 42'49	
direct	-7240 Jul 04 j 05:10	28° Ω 31'52		retrograde	-7233 Feb 10 j 08:55	16° η 40'05	
	-7240 Sep 17 j 15:32	0° η		opposition	-7233 May 02 j 07:00	15° η 16'05	1°55'16
evening set	-7240 Sep 29 j 09:09	0° η 25'18		min. Earth dist.	-7233 May 01 j 16:16	15° η 17'05	29.15514 AU

Attention, astronomical year style is used: The year -7233 in astronomical counting style is the year 7234 BCE in historical counting style.

direct	-7233 Jul 20 j 08:15	13° <u>0</u> 53'22		morning rise	-7227 Nov 27 j 03:55	0° <u>0</u> 08'26	
evening set	-7233 Oct 15 j 01:02	15° <u>0</u> 46'16		retrograde	-7226 Feb 25 j 22:06	2° <u>0</u> 06'17	
				min. Earth dist.	-7226 May 17 j 06:11	0° <u>0</u> 43'02	29.08736 AU
conjunction	-7233 Oct 30 j 05:19	16° <u>0</u> 20'30	1°45'56	opposition	-7226 May 18 j 01:33	0° <u>0</u> 41'43	1°22'37
minimum elong	-7233 Oct 30 j 05:20	16° <u>0</u> 20'30	1°46'06		-7226 Jun 13 j 16:56	30° <u>0</u> 08'00	
max. Earth dist.	-7233 Oct 30 j 20:59	16° <u>0</u> 21'59	31.15046 AU	direct	-7226 Aug 04 j 13:46	29° <u>0</u> 19'00	
morning rise	-7233 Nov 14 j 11:57	16° <u>0</u> 54'58			-7226 Sep 23 j 04:51	0° <u>0</u>	
retrograde	-7232 Feb 12 j 21:46	18° <u>0</u> 52'19		evening set	-7226 Oct 29 j 19:51	1° <u>0</u> 11'21	
opposition	-7232 May 03 j 20:04	17° <u>0</u> 28'17	1°51'03				
min. Earth dist.	-7232 May 03 j 03:50	17° <u>0</u> 29'23	29.14766 AU	conjunction	-7226 Nov 14 j 03:44	1° <u>0</u> 45'52	1°14'56
direct	-7232 Jul 21 j 21:02	16° <u>0</u> 05'36		minimum elong	-7226 Nov 14 j 03:44	1° <u>0</u> 45'52	1°14'59
evening set	-7232 Oct 16 j 10:41	17° <u>0</u> 58'25		max. Earth dist.	-7226 Nov 14 j 23:56	1° <u>0</u> 47'46	31.08239 AU
				morning rise	-7226 Nov 29 j 14:49	2° <u>0</u> 20'41	
conjunction	-7232 Oct 31 j 15:18	18° <u>0</u> 32'42	1°41'55	retrograde	-7225 Feb 28 j 12:16	4° <u>0</u> 18'37	
minimum elong	-7232 Oct 31 j 15:19	18° <u>0</u> 32'42	1°42'04	opposition	-7225 May 20 j 14:14	2° <u>0</u> 54'00	1°17'25
max. Earth dist.	-7232 Nov 01 j 06:42	18° <u>0</u> 34'09	31.14229 AU	min. Earth dist.	-7225 May 19 j 17:07	2° <u>0</u> 55'26	29.07907 AU
morning rise	-7232 Nov 15 j 22:39	19° <u>0</u> 07'13		direct	-7225 Aug 06 j 23:58	1° <u>0</u> 31'18	
retrograde	-7231 Feb 14 j 10:38	21° <u>0</u> 04'40		evening set	-7225 Nov 01 j 05:34	3° <u>0</u> 23'36	
opposition	-7231 May 06 j 09:06	19° <u>0</u> 40'33	1°46'40				
min. Earth dist.	-7231 May 05 j 17:21	19° <u>0</u> 41'38	29.13880 AU	conjunction	-7225 Nov 16 j 14:00	3° <u>0</u> 58'10	1°10'00
direct	-7231 Jul 24 j 07:42	18° <u>0</u> 17'53		minimum elong	-7225 Nov 16 j 14:00	3° <u>0</u> 58'10	1°10'02
evening set	-7231 Oct 18 j 20:08	20° <u>0</u> 10'38		max. Earth dist.	-7225 Nov 17 j 11:02	4° <u>0</u> 00'09	31.07455 AU
				morning rise	-7225 Dec 02 j 01:48	4° <u>0</u> 33'03	
conjunction	-7231 Nov 03 j 01:24	20° <u>0</u> 44'56	1°37'45	retrograde	-7224 Mar 02 j 00:48	6° <u>0</u> 31'04	
minimum elong	-7231 Nov 03 j 01:25	20° <u>0</u> 44'56	1°37'53	min. Earth dist.	-7224 May 21 j 06:16	5° <u>0</u> 07'49	29.07160 AU
max. Earth dist.	-7231 Nov 03 j 18:10	20° <u>0</u> 46'32	31.13287 AU	opposition	-7224 May 22 j 03:03	5° <u>0</u> 06'24	1°12'05
morning rise	-7231 Nov 18 j 09:12	21° <u>0</u> 19'31		direct	-7224 Aug 08 j 10:30	3° <u>0</u> 43'44	
retrograde	-7230 Feb 16 j 21:32	23° <u>0</u> 17'03		evening set	-7224 Nov 02 j 15:24	5° <u>0</u> 36'00	
opposition	-7230 May 08 j 22:05	21° <u>0</u> 52'51	1°42'09				
min. Earth dist.	-7230 May 08 j 05:03	21° <u>0</u> 54'01	29.12865 AU	conjunction	-7224 Nov 18 j 00:29	6° <u>0</u> 10'36	1°04'58
direct	-7230 Jul 26 j 20:09	20° <u>0</u> 30'11		minimum elong	-7224 Nov 18 j 00:30	6° <u>0</u> 10'36	1°04'58
evening set	-7230 Oct 21 j 05:37	22° <u>0</u> 22'49		max. Earth dist.	-7224 Nov 18 j 22:40	6° <u>0</u> 12'42	31.06752 AU
				morning rise	-7224 Dec 03 j 12:52	6° <u>0</u> 45'33	
conjunction	-7230 Nov 05 j 11:15	22° <u>0</u> 57'10	1°33'27	retrograde	-7223 Mar 04 j 14:52	8° <u>0</u> 43'39	
minimum elong	-7230 Nov 05 j 11:15	22° <u>0</u> 57'10	1°33'34	opposition	-7223 May 24 j 15:32	7° <u>0</u> 18'57	1°06'38
max. Earth dist.	-7230 Nov 06 j 03:39	22° <u>0</u> 58'43	31.12243 AU	min. Earth dist.	-7223 May 23 j 17:12	7° <u>0</u> 20'29	29.06469 AU
morning rise	-7230 Nov 20 j 19:51	23° <u>0</u> 31'48		direct	-7223 Aug 10 j 23:13	5° <u>0</u> 56'19	
retrograde	-7229 Feb 19 j 09:43	25° <u>0</u> 29'25		evening set	-7223 Nov 05 j 01:27	7° <u>0</u> 48'33	
opposition	-7229 May 11 j 11:10	24° <u>0</u> 05'07	1°37'28				
min. Earth dist.	-7229 May 10 j 17:55	24° <u>0</u> 06'17	29.11792 AU	conjunction	-7223 Nov 20 j 10:57	8° <u>0</u> 23'13	0°59'50
direct	-7229 Jul 29 j 05:53	22° <u>0</u> 42'25		minimum elong	-7223 Nov 20 j 10:58	8° <u>0</u> 23'13	0°59'49
evening set	-7229 Oct 23 j 15:05	24° <u>0</u> 34'58		max. Earth dist.	-7223 Nov 21 j 09:00	8° <u>0</u> 25'18	31.06076 AU
				morning rise	-7223 Dec 06 j 00:07	8° <u>0</u> 58'13	
conjunction	-7229 Nov 07 j 21:24	25° <u>0</u> 09'22	1°29'01	retrograde	-7222 Mar 07 j 04:48	10° <u>0</u> 56'25	
minimum elong	-7229 Nov 07 j 21:25	25° <u>0</u> 09'22	1°29'06	min. Earth dist.	-7222 May 26 j 06:27	9° <u>0</u> 33'11	29.05797 AU
max. Earth dist.	-7229 Nov 08 j 15:38	25° <u>0</u> 11'05	31.11158 AU	opposition	-7222 May 27 j 04:20	9° <u>0</u> 31'41	1°01'05
morning rise	-7229 Nov 23 j 06:29	25° <u>0</u> 44'02		direct	-7222 Aug 13 j 09:51	8° <u>0</u> 09'05	
retrograde	-7228 Feb 21 j 20:35	27° <u>0</u> 41'43		evening set	-7222 Nov 07 j 11:23	10° <u>0</u> 01'17	
opposition	-7228 May 12 j 23:56	26° <u>0</u> 17'20	1°32'39				
min. Earth dist.	-7228 May 12 j 05:59	26° <u>0</u> 18'33	29.10705 AU	conjunction	-7222 Nov 22 j 21:38	10° <u>0</u> 35'59	0°54'36
direct	-7228 Jul 30 j 16:47	24° <u>0</u> 54'37		minimum elong	-7222 Nov 22 j 21:39	10° <u>0</u> 36'00	0°54'33
evening set	-7228 Oct 25 j 00:42	26° <u>0</u> 47'05		max. Earth dist.	-7222 Nov 23 j 21:08	10° <u>0</u> 38'13	31.05398 AU
				morning rise	-7222 Dec 08 j 11:19	11° <u>0</u> 11'03	
conjunction	-7228 Nov 09 j 07:26	27° <u>0</u> 21'31	1°24'27	retrograde	-7221 Mar 09 j 16:21	13° <u>0</u> 09'20	
minimum elong	-7228 Nov 09 j 07:27	27° <u>0</u> 21'31	1°24'31	opposition	-7221 May 29 j 17:01	11° <u>0</u> 44'34	0°55'27
max. Earth dist.	-7228 Nov 10 j 01:35	27° <u>0</u> 23'14	31.10104 AU	min. Earth dist.	-7221 May 28 j 18:04	11° <u>0</u> 46'09	29.05084 AU
morning rise	-7228 Nov 24 j 17:19	27° <u>0</u> 56'14		direct	-7221 Aug 15 j 22:00	10° <u>0</u> 22'00	
retrograde	-7227 Feb 23 j 10:08	29° <u>0</u> 54'00		evening set	-7221 Nov 09 j 21:49	12° <u>0</u> 14'10	
opposition	-7227 May 15 j 12:44	28° <u>0</u> 29'31	1°27'42				
min. Earth dist.	-7227 May 14 j 17:40	28° <u>0</u> 30'49	29.09681 AU	conjunction	-7221 Nov 25 j 08:30	12° <u>0</u> 48'55	0°49'17
direct	-7227 Aug 02 j 02:35	27° <u>0</u> 06'48		minimum elong	-7221 Nov 25 j 08:30	12° <u>0</u> 48'55	0°49'13
evening set	-7227 Oct 27 j 10:12	28° <u>0</u> 59'12		max. Earth dist.	-7221 Nov 26 j 07:13	12° <u>0</u> 51'04	31.04656 AU
				morning rise	-7221 Dec 10 j 23:00	13° <u>0</u> 24'02	
conjunction	-7227 Nov 11 j 17:31	29° <u>0</u> 33'40	1°19'45	retrograde	-7220 Mar 11 j 05:31	15° <u>0</u> 22'24	
minimum elong	-7227 Nov 11 j 17:32	29° <u>0</u> 33'40	1°19'48	min. Earth dist.	-7220 May 30 j 06:58	13° <u>0</u> 59'09	29.04300 AU
max. Earth dist.	-7227 Nov 12 j 13:12	29° <u>0</u> 35'31	31.09113 AU	opposition	-7220 May 31 j 05:38	13° <u>0</u> 57'35	0°49'43
	-7227 Nov 23 j 08:58	0° <u>0</u>		direct	-7220 Aug 17 j 08:07	12° <u>0</u> 35'01	

Attention, astronomical year style is used: The year -7220 in astronomical counting style is the year 7221 BCE in historical counting style.

evening set	-7220 Nov 11 j 08:13	14° <u>♂</u> 27'09		behind sun end	-7214 Dec 10 j 19:52	28° <u>♂</u> 20'07	
				max. Earth dist.	-7214 Dec 11 j 15:55	28° <u>♂</u> 22'01	30.97675 AU
conjunction	-7220 Nov 26 j 19:38	15° <u>♂</u> 01'58	0°43'53	morning rise	-7214 Dec 26 j 09:42	28° <u>♂</u> 55'06	
minimum elong	-7220 Nov 26 j 19:39	15° <u>♂</u> 01'58	0°43'49		-7213 Jan 27 j 21:50	0° <u>♂</u>	
max. Earth dist.	-7220 Nov 27 j 19:34	15° <u>♂</u> 04'13	31.03812 AU	retrograde	-7213 Mar 27 j 23:13	0° <u>♂</u> 53'44	
morning rise	-7220 Dec 12 j 10:39	15° <u>♂</u> 37'07			-7213 May 28 j 08:22	30° <u>♂</u>	
retrograde	-7219 Mar 13 j 17:08	17° <u>♂</u> 35'33		opposition	-7213 Jun 16 j 20:26	29° <u>♂</u> 28'24	0°08'03
opposition	-7219 Jun 02 j 18:16	16° <u>♂</u> 10'41	0°43'55	min. Earth dist.	-7213 Jun 15 j 20:08	29° <u>♂</u> 30'05	28.97313 AU
min. Earth dist.	-7219 Jun 01 j 19:26	16° <u>♂</u> 12'15	29.03388 AU	direct	-7213 Sep 02 j 13:04	28° <u>♂</u> 05'34	
direct	-7219 Aug 19 j 19:38	14° <u>♂</u> 48'06		evening set	-7213 Nov 27 j 10:50	29° <u>♂</u> 57'30	
evening set	-7219 Nov 13 j 18:41	16° <u>♂</u> 40'11			-7213 Nov 28 j 13:57	0° <u>♂</u>	
conjunction	-7219 Nov 29 j 06:34	17° <u>♂</u> 15'02	0°38'26	conjunction	-7213 Dec 13 j 02:23	0° <u>♂</u> 32'36	0°04'51
minimum elong	-7219 Nov 29 j 06:35	17° <u>♂</u> 15'02	0°38'20	minimum elong	-7213 Dec 13 j 02:22	0° <u>♂</u> 32'36	0°04'39
max. Earth dist.	-7219 Nov 30 j 05:48	17° <u>♂</u> 17'13	31.02854 AU	behind sun begin	-7213 Dec 12 j 20:01	0° <u>♂</u> 32'02	
morning rise	-7219 Dec 14 j 22:21	17° <u>♂</u> 50'14		behind sun end	-7213 Dec 13 j 08:43	0° <u>♂</u> 33'10	
retrograde	-7218 Mar 16 j 06:20	19° <u>♂</u> 48'43		max. Earth dist.	-7213 Dec 14 j 04:57	0° <u>♂</u> 35'06	30.96910 AU
min. Earth dist.	-7218 Jun 04 j 07:39	18° <u>♂</u> 25'22	29.02375 AU	morning rise	-7213 Dec 28 j 21:47	1° <u>♂</u> 08'06	
opposition	-7218 Jun 05 j 06:54	18° <u>♂</u> 23'46	0°38'03	retrograde	-7212 Mar 29 j 11:31	3° <u>♂</u> 06'46	
direct	-7218 Aug 22 j 05:56	17° <u>♂</u> 01'09		min. Earth dist.	-7212 Jun 17 j 06:57	1° <u>♂</u> 43'11	28.96605 AU
evening set	-7218 Nov 16 j 05:13	18° <u>♂</u> 53'11		opposition	-7212 Jun 18 j 08:21	1° <u>♂</u> 41'25	0°01'58
				direct	-7212 Sep 04 j 01:02	0° <u>♂</u> 18'36	
conjunction	-7218 Dec 01 j 17:46	19° <u>♂</u> 28'04	0°32'55	desc. node	-7212 Oct 15 j 06:57	0° <u>♂</u> 47'41	
minimum elong	-7218 Dec 01 j 17:47	19° <u>♂</u> 28'04	0°32'48	evening set	-7212 Nov 28 j 21:58	2° <u>♂</u> 10'34	
max. Earth dist.	-7218 Dec 02 j 17:49	19° <u>♂</u> 30'20	31.01793 AU				
morning rise	-7218 Dec 17 j 10:08	20° <u>♂</u> 03'20		conjunction	-7212 Dec 14 j 13:54	2° <u>♂</u> 45'42	-0°00'58
retrograde	-7217 Mar 18 j 17:31	22° <u>♂</u> 01'50		minimum elong	-7212 Dec 14 j 13:53	2° <u>♂</u> 45'42	0°01'10
opposition	-7217 Jun 07 j 19:26	20° <u>♂</u> 36'48	0°32'07	behind sun begin	-7212 Dec 14 j 07:25	2° <u>♂</u> 45'07	
min. Earth dist.	-7217 Jun 06 j 20:35	20° <u>♂</u> 38'22	29.01279 AU	behind sun end	-7212 Dec 14 j 20:22	2° <u>♂</u> 46'17	
direct	-7217 Aug 24 j 16:52	19° <u>♂</u> 14'08		max. Earth dist.	-7212 Dec 15 j 15:48	2° <u>♂</u> 48'08	30.96265 AU
evening set	-7217 Nov 18 j 15:48	21° <u>♂</u> 06'07		morning rise	-7212 Dec 30 j 10:04	3° <u>♂</u> 21'15	
				retrograde	-7211 Apr 01 j 01:35	5° <u>♂</u> 19'59	
conjunction	-7217 Dec 04 j 04:58	21° <u>♂</u> 41'03	0°27'21	opposition	-7211 Jun 20 j 20:31	3° <u>♂</u> 54'38	-0°04'07
minimum elong	-7217 Dec 04 j 04:58	21° <u>♂</u> 41'03	0°27'13	min. Earth dist.	-7211 Jun 19 j 19:14	3° <u>♂</u> 56'23	28.96018 AU
max. Earth dist.	-7217 Dec 05 j 05:01	21° <u>♂</u> 43'19	31.00694 AU	direct	-7211 Sep 06 j 11:12	2° <u>♂</u> 31'50	
morning rise	-7217 Dec 19 j 22:01	22° <u>♂</u> 16'21		evening set	-7211 Dec 01 j 08:57	4° <u>♂</u> 23'49	
retrograde	-7216 Mar 20 j 07:15	24° <u>♂</u> 14'53					
min. Earth dist.	-7216 Jun 08 j 07:46	22° <u>♂</u> 51'24	29.00172 AU	conjunction	-7211 Dec 17 j 01:34	4° <u>♂</u> 59'01	-0°06'40
opposition	-7216 Jun 09 j 07:45	22° <u>♂</u> 49'45	0°26'09	minimum elong	-7211 Dec 17 j 01:33	4° <u>♂</u> 59'01	0°06'55
direct	-7216 Aug 26 j 03:19	21° <u>♂</u> 27'01		behind sun begin	-7211 Dec 16 j 19:31	4° <u>♂</u> 58'28	
evening set	-7216 Nov 20 j 02:31	23° <u>♂</u> 18'58		behind sun end	-7211 Dec 17 j 07:35	4° <u>♂</u> 59'33	
				max. Earth dist.	-7211 Dec 18 j 04:55	5° <u>♂</u> 01'35	30.95715 AU
conjunction	-7216 Dec 05 j 16:10	23° <u>♂</u> 53'56	0°21'46	morning rise	-7210 Jan 01 j 22:08	5° <u>♂</u> 34'35	
minimum elong	-7216 Dec 05 j 16:10	23° <u>♂</u> 53'56	0°21'36	retrograde	-7210 Apr 03 j 13:48	7° <u>♂</u> 33'24	
max. Earth dist.	-7216 Dec 06 j 16:35	23° <u>♂</u> 56'14	30.99592 AU	min. Earth dist.	-7210 Jun 22 j 07:06	6° <u>♂</u> 09'50	28.95495 AU
morning rise	-7216 Dec 21 j 09:52	24° <u>♂</u> 29'17		opposition	-7210 Jun 23 j 08:37	6° <u>♂</u> 08'03	-0°10'12
retrograde	-7215 Mar 22 j 19:27	26° <u>♂</u> 27'51		direct	-7210 Sep 08 j 22:34	4° <u>♂</u> 45'17	
opposition	-7215 Jun 11 j 20:01	25° <u>♂</u> 02'37	0°20'09	evening set	-7210 Dec 03 j 20:22	6° <u>♂</u> 37'19	
min. Earth dist.	-7215 Jun 10 j 20:41	25° <u>♂</u> 04'14	28.99105 AU				
direct	-7215 Aug 28 j 13:58	23° <u>♂</u> 39'51		conjunction	-7210 Dec 19 j 13:25	7° <u>♂</u> 12'33	-0°12'21
evening set	-7215 Nov 22 j 13:11	25° <u>♂</u> 31'47		minimum elong	-7210 Dec 19 j 13:25	7° <u>♂</u> 12'33	0°12'35
				behind sun begin	-7210 Dec 19 j 09:16	7° <u>♂</u> 12'10	
conjunction	-7215 Dec 08 j 03:32	26° <u>♂</u> 06'47	0°16'08	behind sun end	-7210 Dec 19 j 17:34	7° <u>♂</u> 12'55	
minimum elong	-7215 Dec 08 j 03:31	26° <u>♂</u> 06'47	0°15'58	max. Earth dist.	-7210 Dec 20 j 16:04	7° <u>♂</u> 15'03	30.95223 AU
behind sun begin	-7215 Dec 08 j 02:46	26° <u>♂</u> 06'43		morning rise	-7209 Jan 04 j 10:41	7° <u>♂</u> 48'11	
behind sun end	-7215 Dec 08 j 04:17	26° <u>♂</u> 06'51		retrograde	-7209 Apr 06 j 03:13	9° <u>♂</u> 47'03	
max. Earth dist.	-7215 Dec 09 j 04:56	26° <u>♂</u> 09'11	30.98578 AU	opposition	-7209 Jun 25 j 20:37	8° <u>♂</u> 21'43	-0°16'17
morning rise	-7215 Dec 23 j 21:44	26° <u>♂</u> 42'11		min. Earth dist.	-7209 Jun 24 j 18:56	8° <u>♂</u> 23'30	28.95016 AU
retrograde	-7214 Mar 25 j 09:35	28° <u>♂</u> 40'46		direct	-7209 Sep 11 j 08:28	6° <u>♂</u> 58'58	
min. Earth dist.	-7214 Jun 13 j 07:21	27° <u>♂</u> 17'12	28.98144 AU	evening set	-7209 Dec 06 j 07:57	8° <u>♂</u> 51'03	
opposition	-7214 Jun 14 j 08:09	27° <u>♂</u> 15'29	0°14'07				
direct	-7214 Aug 31 j 02:31	25° <u>♂</u> 52'41		conjunction	-7209 Dec 22 j 01:35	9° <u>♂</u> 26'19	-0°18'01
evening set	-7214 Nov 24 j 23:57	27° <u>♂</u> 44'36		minimum elong	-7209 Dec 22 j 01:35	9° <u>♂</u> 26'19	0°18'17
				max. Earth dist.	-7209 Dec 23 j 04:48	9° <u>♂</u> 28'53	30.94723 AU
conjunction	-7214 Dec 10 j 14:44	28° <u>♂</u> 19'39	0°10'30	morning rise	-7208 Jan 06 j 23:19	10° <u>♂</u> 02'00	
minimum elong	-7214 Dec 10 j 14:44	28° <u>♂</u> 19'39	0°10'19	retrograde	-7208 Apr 07 j 14:34	12° <u>♂</u> 00'55	
behind sun begin	-7214 Dec 10 j 09:36	28° <u>♂</u> 19'11		min. Earth dist.	-7208 Jun 26 j 07:48	10° <u>♂</u> 37'20	28.94495 AU

Attention, astronomical year style is used: The year -7208 in astronomical counting style is the year 7209 BCE in historical counting style.

opposition	-7208 Jun 27 j 08:43	10° \mathbb{M} 35'36	-0°22'21	conjunction	-7201 Jan 06 j 17:15	25° \mathbb{M} 04'43	-0°56'33
direct	-7208 Sep 12 j 18:47	9° \mathbb{M} 12'51		minimum elong	-7201 Jan 06 j 17:15	25° \mathbb{M} 04'43	0°56'55
evening set	-7208 Dec 07 j 19:43	11° \mathbb{M} 05'00		max. Earth dist.	-7201 Jan 07 j 19:33	25° \mathbb{M} 07'11	30.89629 AU
				morning rise	-7201 Jan 22 j 18:13	25° \mathbb{M} 40'36	
conjunction	-7208 Dec 23 j 13:51	11° \mathbb{M} 40'18	-0°23'40	retrograde	-7201 Apr 24 j 11:57	27° \mathbb{M} 39'29	
minimum elong	-7208 Dec 23 j 13:51	11° \mathbb{M} 40'18	0°23'57	opposition	-7201 Jul 13 j 19:22	26° \mathbb{M} 13'54	-1°03'22
max. Earth dist.	-7208 Dec 24 j 16:30	11° \mathbb{M} 42'48	30.94172 AU	min. Earth dist.	-7201 Jul 12 j 19:40	26° \mathbb{M} 15'34	28.89387 AU
morning rise	-7207 Jan 08 j 12:06	12° \mathbb{M} 16'00		direct	-7201 Sep 29 j 03:10	24° \mathbb{M} 50'45	
retrograde	-7207 Apr 10 j 04:53	14° \mathbb{M} 14'58		evening set	-7201 Dec 24 j 08:37	26° \mathbb{M} 43'07	
opposition	-7207 Jun 29 j 20:39	12° \mathbb{M} 49'40	-0°28'23				
min. Earth dist.	-7207 Jun 28 j 19:10	12° \mathbb{M} 51'26	28.93902 AU	conjunction	-7200 Jan 09 j 06:04	27° \mathbb{M} 18'38	-1°01'48
direct	-7207 Sep 15 j 04:37	11° \mathbb{M} 26'53		minimum elong	-7200 Jan 09 j 06:03	27° \mathbb{M} 18'38	1°02'10
evening set	-7207 Dec 10 j 07:40	13° \mathbb{M} 19'05		max. Earth dist.	-7200 Jan 10 j 07:23	27° \mathbb{M} 21'01	30.89057 AU
				morning rise	-7200 Jan 25 j 07:34	27° \mathbb{M} 54'32	
conjunction	-7207 Dec 26 j 02:15	13° \mathbb{M} 54'25	-0°29'17	retrograde	-7200 Apr 26 j 01:30	29° \mathbb{M} 53'24	
minimum elong	-7207 Dec 26 j 02:14	13° \mathbb{M} 54'25	0°29'35	min. Earth dist.	-7200 Jul 14 j 07:04	28° \mathbb{M} 29'29	28.88890 AU
max. Earth dist.	-7207 Dec 27 j 04:32	13° \mathbb{M} 56'53	30.93520 AU	opposition	-7200 Jul 15 j 06:56	28° \mathbb{M} 27'49	-1°08'55
morning rise	-7206 Jan 11 j 01:01	14° \mathbb{M} 30'10		direct	-7200 Sep 30 j 13:43	27° \mathbb{M} 04'36	
	-7206 Jan 25 j 01:03	15° \mathbb{M}		evening set	-7200 Dec 25 j 21:03	28° \mathbb{M} 57'03	
retrograde	-7206 Apr 12 j 17:02	16° \mathbb{M} 29'09					
min. Earth dist.	-7206 Jul 01 j 08:35	15° \mathbb{M} 05'30	28.93206 AU	conjunction	-7199 Jan 10 j 18:56	29° \mathbb{M} 32'35	-1°06'56
opposition	-7206 Jul 02 j 08:46	15° \mathbb{M} 03'49	-0°34'22	minimum elong	-7199 Jan 10 j 18:56	29° \mathbb{M} 32'35	1°07'19
	-7206 Jul 04 j 15:27	15° \mathbb{R} \mathbb{M}		max. Earth dist.	-7199 Jan 11 j 20:55	29° \mathbb{M} 35'02	30.88607 AU
direct	-7206 Sep 17 j 15:16	13° \mathbb{M} 41'00			-7199 Jan 23 j 00:10	0° \mathbb{Z}	
	-7206 Nov 27 j 02:27	15° \mathbb{M}		morning rise	-7199 Jan 26 j 20:41	0° \mathbb{Z} 08'31	
evening set	-7206 Dec 12 j 19:32	15° \mathbb{M} 33'13		retrograde	-7199 Apr 28 j 12:54	2° \mathbb{Z} 07'22	
				opposition	-7199 Jul 17 j 18:26	0° \mathbb{Z} 41'48	-1°14'22
conjunction	-7206 Dec 28 j 14:46	16° \mathbb{M} 08'35	-0°34'51	min. Earth dist.	-7199 Jul 16 j 19:12	0° \mathbb{Z} 43'26	28.88510 AU
minimum elong	-7206 Dec 28 j 14:45	16° \mathbb{M} 08'35	0°35'10		-7199 Aug 12 j 17:28	30° \mathbb{R} \mathbb{M}	
max. Earth dist.	-7206 Dec 29 j 17:14	16° \mathbb{M} 11'05	30.92783 AU	direct	-7199 Oct 03 j 00:25	29° \mathbb{M} 18'35	
morning rise	-7205 Jan 13 j 13:58	16° \mathbb{M} 44'22			-7199 Nov 21 j 16:51	0° \mathbb{Z}	
retrograde	-7205 Apr 15 j 07:09	18° \mathbb{M} 43'21		evening set	-7199 Dec 28 j 09:37	1° \mathbb{Z} 11'06	
opposition	-7205 Jul 04 j 20:40	17° \mathbb{M} 17'58	-0°40'19				
min. Earth dist.	-7205 Jul 03 j 19:51	17° \mathbb{M} 19'42	28.92420 AU	conjunction	-7198 Jan 13 j 07:56	1° \mathbb{Z} 46'40	-1°11'59
direct	-7205 Sep 20 j 04:04	15° \mathbb{M} 55'05		minimum elong	-7198 Jan 13 j 07:55	1° \mathbb{Z} 46'40	1°12'24
evening set	-7205 Dec 15 j 07:44	17° \mathbb{M} 47'20		max. Earth dist.	-7198 Jan 14 j 09:23	1° \mathbb{Z} 49'03	30.88294 AU
				morning rise	-7198 Jan 29 j 10:04	2° \mathbb{Z} 22'36	
conjunction	-7205 Dec 31 j 03:19	18° \mathbb{M} 22'44	-0°40'23	retrograde	-7198 May 01 j 03:10	4° \mathbb{Z} 21'28	
minimum elong	-7205 Dec 31 j 03:19	18° \mathbb{M} 22'44	0°40'43	min. Earth dist.	-7198 Jul 19 j 05:58	2° \mathbb{Z} 57'36	28.88252 AU
max. Earth dist.	-7204 Jan 01 j 04:44	18° \mathbb{M} 25'07	30.91960 AU	opposition	-7198 Jul 20 j 05:50	2° \mathbb{Z} 55'56	-1°19'42
morning rise	-7204 Jan 16 j 03:09	18° \mathbb{M} 58'32		direct	-7198 Oct 05 j 10:35	1° \mathbb{Z} 32'41	
retrograde	-7204 Apr 16 j 20:18	20° \mathbb{M} 57'30		evening set	-7198 Dec 30 j 22:26	3° \mathbb{Z} 25'18	
min. Earth dist.	-7204 Jul 05 j 08:55	19° \mathbb{M} 33'43	28.91589 AU				
opposition	-7204 Jul 06 j 08:28	19° \mathbb{M} 32'04	-0°46'11	conjunction	-7197 Jan 15 j 21:05	4° \mathbb{Z} 00'54	-1°16'56
direct	-7204 Sep 21 j 14:41	18° \mathbb{M} 09'06		minimum elong	-7197 Jan 15 j 21:05	4° \mathbb{Z} 00'54	1°17'21
evening set	-7204 Dec 16 j 19:48	20° \mathbb{M} 01'22		max. Earth dist.	-7197 Jan 16 j 22:19	4° \mathbb{Z} 03'16	30.88062 AU
				morning rise	-7197 Jan 31 j 23:37	4° \mathbb{Z} 36'52	
conjunction	-7203 Jan 01 j 16:01	20° \mathbb{M} 36'49	-0°45'51	retrograde	-7197 May 03 j 14:38	6° \mathbb{Z} 35'44	
minimum elong	-7203 Jan 01 j 16:01	20° \mathbb{M} 36'49	0°46'11	opposition	-7197 Jul 22 j 17:23	5° \mathbb{Z} 10'14	-1°24'56
max. Earth dist.	-7203 Jan 02 j 18:15	20° \mathbb{M} 39'16	30.91125 AU	min. Earth dist.	-7197 Jul 21 j 18:53	5° \mathbb{Z} 11'49	28.88053 AU
morning rise	-7203 Jan 17 j 16:08	21° \mathbb{M} 12'38		direct	-7197 Oct 07 j 20:49	3° \mathbb{Z} 46'59	
retrograde	-7203 Apr 19 j 09:24	23° \mathbb{M} 11'34		evening set	-7196 Jan 02 j 11:26	5° \mathbb{Z} 39'43	
opposition	-7203 Jul 08 j 20:08	21° \mathbb{M} 46'05	-0°52'00				
min. Earth dist.	-7203 Jul 07 j 19:58	21° \mathbb{M} 47'46	28.90766 AU	conjunction	-7196 Jan 18 j 10:34	6° \mathbb{Z} 15'20	-1°21'46
direct	-7203 Sep 24 j 03:25	20° \mathbb{M} 23'03		minimum elong	-7196 Jan 18 j 10:34	6° \mathbb{Z} 15'20	1°22'11
evening set	-7203 Dec 19 j 07:56	22° \mathbb{M} 15'20		max. Earth dist.	-7196 Jan 19 j 11:44	6° \mathbb{Z} 17'42	30.87875 AU
				morning rise	-7196 Feb 03 j 13:18	6° \mathbb{Z} 51'19	
conjunction	-7202 Jan 04 j 04:26	22° \mathbb{M} 50'48	-0°51'14	retrograde	-7196 May 05 j 04:22	8° \mathbb{Z} 50'11	
minimum elong	-7202 Jan 04 j 04:25	22° \mathbb{M} 50'47	0°51'36	min. Earth dist.	-7196 Jul 23 j 05:48	7° \mathbb{Z} 26'21	28.87863 AU
max. Earth dist.	-7202 Jan 05 j 05:35	22° \mathbb{M} 53'09	30.90330 AU	opposition	-7196 Jul 24 j 04:37	7° \mathbb{Z} 24'45	-1°30'02
morning rise	-7202 Jan 20 j 05:09	23° \mathbb{M} 26'39		direct	-7196 Oct 09 j 08:40	6° \mathbb{Z} 01'28	
retrograde	-7202 Apr 22 j 00:08	25° \mathbb{M} 25'33		evening set	-7195 Jan 04 j 00:44	7° \mathbb{Z} 54'20	
min. Earth dist.	-7202 Jul 10 j 08:12	24° \mathbb{M} 01'40	28.90026 AU				
opposition	-7202 Jul 11 j 07:54	24° \mathbb{M} 00'01	-0°57'43	conjunction	-7195 Jan 20 j 00:04	8° \mathbb{Z} 29'59	-1°26'28
direct	-7202 Sep 26 j 14:53	22° \mathbb{M} 36'54		minimum elong	-7195 Jan 20 j 00:04	8° \mathbb{Z} 29'59	1°26'54
evening set	-7202 Dec 21 j 20:09	24° \mathbb{M} 29'13		max. Earth dist.	-7195 Jan 20 j 23:53	8° \mathbb{Z} 32'13	30.87657 AU
				morning rise	-7195 Feb 05 j 03:12	9° \mathbb{Z} 05'59	

Attention, astronomical year style is used: The year -7195 in astronomical counting style is the year 7196 BCE in historical counting style.

retrograde	-7195 May 07 j 17:39	11° $\mathring{\text{A}}$ 04'51		minimum elong	-7188 Feb 06 j 00:59	24° $\mathring{\text{A}}$ 13'52	1°55'53
opposition	-7195 Jul 26 j 16:11	9° $\mathring{\text{A}}$ 39'27	-1°35'00	max. Earth dist.	-7188 Feb 06 j 20:18	24° $\mathring{\text{A}}$ 15'41	30.84501 AU
min. Earth dist.	-7195 Jul 25 j 18:57	9° $\mathring{\text{A}}$ 40'57	28.87628 AU	morning rise	-7188 Feb 22 j 05:39	24° $\mathring{\text{A}}$ 49'57	
direct	-7195 Oct 11 j 18:42	8° $\mathring{\text{A}}$ 16'09		retrograde	-7188 May 23 j 12:46	26° $\mathring{\text{A}}$ 48'24	
evening set	-7194 Jan 06 j 13:51	10° $\mathring{\text{A}}$ 09'07		opposition	-7188 Aug 10 j 22:33	25° $\mathring{\text{A}}$ 23'01	-2°05'20
				min. Earth dist.	-7188 Aug 10 j 05:52	25° $\mathring{\text{A}}$ 24'12	28.84500 AU
conjunction	-7194 Jan 22 j 13:43	10° $\mathring{\text{A}}$ 44'48	-1°31'03	direct	-7188 Oct 27 j 05:02	23° $\mathring{\text{A}}$ 59'11	
minimum elong	-7194 Jan 22 j 13:42	10° $\mathring{\text{A}}$ 44'48	1°31'29	evening set	-7187 Jan 22 j 13:00	25° $\mathring{\text{A}}$ 52'47	
max. Earth dist.	-7194 Jan 23 j 13:42	10° $\mathring{\text{A}}$ 47'02	30.87373 AU				
morning rise	-7194 Feb 07 j 16:58	11° $\mathring{\text{A}}$ 20'49		conjunction	-7187 Feb 07 j 15:02	26° $\mathring{\text{A}}$ 28'34	-1°58'52
retrograde	-7194 May 10 j 07:27	13° $\mathring{\text{A}}$ 19'40		minimum elong	-7187 Feb 07 j 15:01	26° $\mathring{\text{A}}$ 28'34	1°59'20
min. Earth dist.	-7194 Jul 28 j 06:23	11° $\mathring{\text{A}}$ 55'48	28.87293 AU	max. Earth dist.	-7187 Feb 08 j 10:10	26° $\mathring{\text{A}}$ 30'21	30.84248 AU
opposition	-7194 Jul 29 j 03:36	11° $\mathring{\text{A}}$ 54'18	-1°39'49	morning rise	-7187 Feb 23 j 19:47	27° $\mathring{\text{A}}$ 04'38	
direct	-7194 Oct 14 j 07:33	10° $\mathring{\text{A}}$ 30'57		retrograde	-7187 May 26 j 01:49	29° $\mathring{\text{A}}$ 03'01	
evening set	-7193 Jan 09 j 03:25	12° $\mathring{\text{A}}$ 24'01		opposition	-7187 Aug 13 j 09:27	27° $\mathring{\text{A}}$ 37'40	-2°08'57
				min. Earth dist.	-7187 Aug 12 j 16:11	27° $\mathring{\text{A}}$ 38'54	28.84320 AU
conjunction	-7193 Jan 25 j 03:29	12° $\mathring{\text{A}}$ 59'43	-1°35'30	direct	-7187 Oct 29 j 16:31	26° $\mathring{\text{A}}$ 13'46	
minimum elong	-7193 Jan 25 j 03:29	12° $\mathring{\text{A}}$ 59'43	1°35'56	evening set	-7186 Jan 25 j 02:43	28° $\mathring{\text{A}}$ 07'29	
max. Earth dist.	-7193 Jan 26 j 01:28	13° $\mathring{\text{A}}$ 01'46	30.86981 AU				
morning rise	-7193 Feb 10 j 07:11	13° $\mathring{\text{A}}$ 35'45		conjunction	-7186 Feb 10 j 04:53	28° $\mathring{\text{A}}$ 43'17	-2°02'10
retrograde	-7193 May 12 j 22:29	15° $\mathring{\text{A}}$ 34'34		minimum elong	-7186 Feb 10 j 04:53	28° $\mathring{\text{A}}$ 43'17	2°02'39
opposition	-7193 Jul 31 j 14:59	14° $\mathring{\text{A}}$ 09'12	-1°44'30	max. Earth dist.	-7186 Feb 10 j 22:58	28° $\mathring{\text{A}}$ 44'58	30.84129 AU
min. Earth dist.	-7193 Jul 30 j 19:01	14° $\mathring{\text{A}}$ 10'36	28.86860 AU	morning rise	-7186 Feb 26 j 09:55	29° $\mathring{\text{A}}$ 19'21	
direct	-7193 Oct 16 j 19:20	12° $\mathring{\text{A}}$ 45'47			-7186 Mar 17 j 22:16	0° $\mathring{\text{A}}$	
evening set	-7192 Jan 11 j 16:55	14° $\mathring{\text{A}}$ 38'56		retrograde	-7186 May 28 j 13:56	1° $\mathring{\text{A}}$ 17'41	
					-7186 Aug 11 j 08:48	30° $\mathring{\text{A}}$	
conjunction	-7192 Jan 27 j 17:29	15° $\mathring{\text{A}}$ 14'40	-1°39'47	opposition	-7186 Aug 15 j 20:28	29° $\mathring{\text{A}}$ 52'23	-2°12'22
minimum elong	-7192 Jan 27 j 17:29	15° $\mathring{\text{A}}$ 14'40	1°40'15	min. Earth dist.	-7186 Aug 15 j 04:37	29° $\mathring{\text{A}}$ 53'30	28.84280 AU
max. Earth dist.	-7192 Jan 28 j 15:44	15° $\mathring{\text{A}}$ 16'45	30.86490 AU	direct	-7186 Nov 01 j 01:56	28° $\mathring{\text{A}}$ 28'26	
morning rise	-7192 Feb 12 j 21:16	15° $\mathring{\text{A}}$ 50'42			-7185 Jan 17 j 06:20	0° $\mathring{\text{A}}$	
retrograde	-7192 May 14 j 10:39	17° $\mathring{\text{A}}$ 49'27		evening set	-7185 Jan 27 j 16:34	0° $\mathring{\text{A}}$ 22'15	
min. Earth dist.	-7192 Aug 01 j 06:59	16° $\mathring{\text{A}}$ 25'27	28.86331 AU				
opposition	-7192 Aug 02 j 02:17	16° $\mathring{\text{A}}$ 24'06	-1°49'01	conjunction	-7185 Feb 12 j 19:10	0° $\mathring{\text{A}}$ 58'04	-2°05'16
direct	-7192 Oct 18 j 08:15	15° $\mathring{\text{A}}$ 00'36		minimum elong	-7185 Feb 12 j 19:09	0° $\mathring{\text{A}}$ 58'04	2°05'45
evening set	-7191 Jan 13 j 06:26	16° $\mathring{\text{A}}$ 53'50		max. Earth dist.	-7185 Feb 13 j 13:31	0° $\mathring{\text{A}}$ 59'47	30.84147 AU
				morning rise	-7185 Mar 01 j 00:11	1° $\mathring{\text{A}}$ 34'08	
conjunction	-7191 Jan 29 j 07:11	17° $\mathring{\text{A}}$ 29'34	-1°43'56	retrograde	-7185 May 31 j 02:38	3° $\mathring{\text{A}}$ 32'24	
minimum elong	-7191 Jan 29 j 07:11	17° $\mathring{\text{A}}$ 29'34	1°44'24	opposition	-7185 Aug 18 j 07:12	2° $\mathring{\text{A}}$ 07'10	-2°15'36
max. Earth dist.	-7191 Jan 30 j 03:47	17° $\mathring{\text{A}}$ 31'30	30.85941 AU	min. Earth dist.	-7185 Aug 17 j 15:16	2° $\mathring{\text{A}}$ 08'18	28.84345 AU
morning rise	-7191 Feb 14 j 11:19	18° $\mathring{\text{A}}$ 05'37		direct	-7185 Nov 03 j 14:52	0° $\mathring{\text{A}}$ 43'11	
retrograde	-7191 May 17 j 00:44	20° $\mathring{\text{A}}$ 04'18		evening set	-7184 Jan 30 j 06:43	2° $\mathring{\text{A}}$ 37'09	
opposition	-7191 Aug 04 j 13:29	18° $\mathring{\text{A}}$ 38'56	-1°53'21				
min. Earth dist.	-7191 Aug 03 j 18:37	18° $\mathring{\text{A}}$ 40'16	28.85784 AU	conjunction	-7184 Feb 15 j 09:23	3° $\mathring{\text{A}}$ 12'58	-2°08'11
direct	-7191 Oct 20 j 19:41	17° $\mathring{\text{A}}$ 15'21		minimum elong	-7184 Feb 15 j 09:23	3° $\mathring{\text{A}}$ 12'58	2°08'41
evening set	-7190 Jan 15 j 19:59	19° $\mathring{\text{A}}$ 08'40		max. Earth dist.	-7184 Feb 16 j 01:54	3° $\mathring{\text{A}}$ 14'31	30.84249 AU
				morning rise	-7184 Mar 02 j 14:41	3° $\mathring{\text{A}}$ 49'03	
conjunction	-7190 Jan 31 j 21:07	19° $\mathring{\text{A}}$ 44'25	-1°47'55	retrograde	-7184 Jun 01 j 16:36	5° $\mathring{\text{A}}$ 47'15	
minimum elong	-7190 Jan 31 j 21:06	19° $\mathring{\text{A}}$ 44'24	1°48'24	opposition	-7184 Aug 19 j 18:07	4° $\mathring{\text{A}}$ 22'05	-2°18'36
max. Earth dist.	-7190 Feb 01 j 17:53	19° $\mathring{\text{A}}$ 46'21	30.85387 AU	min. Earth dist.	-7184 Aug 19 j 03:21	4° $\mathring{\text{A}}$ 23'08	28.84485 AU
morning rise	-7190 Feb 17 j 01:21	20° $\mathring{\text{A}}$ 20'28		direct	-7184 Nov 05 j 02:13	2° $\mathring{\text{A}}$ 58'04	
retrograde	-7190 May 19 j 12:46	22° $\mathring{\text{A}}$ 19'04		evening set	-7183 Jan 31 j 20:41	4° $\mathring{\text{A}}$ 52'10	
min. Earth dist.	-7190 Aug 06 j 06:51	20° $\mathring{\text{A}}$ 54'56	28.85260 AU				
opposition	-7190 Aug 07 j 00:35	20° $\mathring{\text{A}}$ 53'41	-1°57'32	conjunction	-7183 Feb 16 j 23:43	5° $\mathring{\text{A}}$ 28'00	-2°10'55
direct	-7190 Oct 23 j 07:18	19° $\mathring{\text{A}}$ 30'01		minimum elong	-7183 Feb 16 j 23:43	5° $\mathring{\text{A}}$ 28'00	2°11'24
evening set	-7189 Jan 18 j 09:35	21° $\mathring{\text{A}}$ 23'24		max. Earth dist.	-7183 Feb 17 j 16:32	5° $\mathring{\text{A}}$ 29'34	30.84386 AU
				morning rise	-7183 Mar 05 j 04:55	6° $\mathring{\text{A}}$ 04'04	
conjunction	-7189 Feb 03 j 11:01	21° $\mathring{\text{A}}$ 59'10	-1°51'45	retrograde	-7183 Jun 04 j 04:58	8° $\mathring{\text{A}}$ 02'13	
minimum elong	-7189 Feb 03 j 11:01	21° $\mathring{\text{A}}$ 59'10	1°52'13	opposition	-7183 Aug 22 j 05:00	6° $\mathring{\text{A}}$ 37'07	-2°21'25
max. Earth dist.	-7189 Feb 04 j 06:44	22° $\mathring{\text{A}}$ 01'01	30.84901 AU	min. Earth dist.	-7183 Aug 21 j 15:01	6° $\mathring{\text{A}}$ 38'06	28.84618 AU
morning rise	-7189 Feb 19 j 15:32	22° $\mathring{\text{A}}$ 35'14		direct	-7183 Nov 07 j 14:46	5° $\mathring{\text{A}}$ 13'04	
retrograde	-7189 May 22 j 02:33	24° $\mathring{\text{A}}$ 33'46		evening set	-7182 Feb 03 j 11:03	7° $\mathring{\text{A}}$ 07'17	
opposition	-7189 Aug 09 j 11:35	23° $\mathring{\text{A}}$ 08'22	-2°01'32				
min. Earth dist.	-7189 Aug 08 j 17:30	23° $\mathring{\text{A}}$ 09'39	28.84824 AU	conjunction	-7182 Feb 19 j 14:10	7° $\mathring{\text{A}}$ 43'08	-2°13'26
direct	-7189 Oct 25 j 18:25	21° $\mathring{\text{A}}$ 44'37		minimum elong	-7182 Feb 19 j 14:10	7° $\mathring{\text{A}}$ 43'08	2°13'56
evening set	-7188 Jan 20 j 23:21	23° $\mathring{\text{A}}$ 38'06		max. Earth dist.	-7182 Feb 20 j 04:52	7° $\mathring{\text{A}}$ 44'31	30.84503 AU
				morning rise	-7182 Mar 07 j 19:37	8° $\mathring{\text{A}}$ 19'12	
conjunction	-7188 Feb 06 j 01:00	24° $\mathring{\text{A}}$ 13'53	-1°55'24	retrograde	-7182 Jun 06 j 19:48	10° $\mathring{\text{A}}$ 17'16	

Attention, astronomical year style is used: The year -7182 in astronomical counting style is the year 7183 BCE in historical counting style.

opposition	-7182 Aug 24 j 15:48	8° $\overline{3}$ 52'13	-2°24'00	max. Earth dist.	-7175 Mar 08 j 03:47	23° $\overline{3}$ 28'21	30.84245 AU
min. Earth dist.	-7182 Aug 24 j 02:39	8° $\overline{3}$ 53'09	28.84715 AU	morning rise	-7175 Mar 24 j 02:01	24° $\overline{3}$ 03'39	
direct	-7182 Nov 10 j 02:34	7° $\overline{3}$ 28'07		retrograde	-7175 Jun 22 j 09:13	26° $\overline{3}$ 00'52	
evening set	-7181 Feb 06 j 01:26	9° $\overline{3}$ 22'27		opposition	-7175 Sep 08 j 18:28	24° $\overline{3}$ 36'01	-2°35'48
				min. Earth dist.	-7175 Sep 08 j 11:34	24° $\overline{3}$ 36'31	28.84555 AU
conjunction	-7181 Feb 22 j 04:53	9° $\overline{3}$ 58'19	-2°15'45	direct	-7175 Nov 25 j 12:57	23° $\overline{3}$ 11'20	
minimum elong	-7181 Feb 22 j 04:53	9° $\overline{3}$ 58'19	2°16'14	evening set	-7174 Feb 22 j 06:02	25° $\overline{3}$ 06'21	
max. Earth dist.	-7181 Feb 22 j 19:15	9° $\overline{3}$ 59'40	30.84545 AU				
morning rise	-7181 Mar 10 j 10:17	10° $\overline{3}$ 34'23		conjunction	-7174 Mar 10 j 10:52	25° $\overline{3}$ 42'15	-2°26'03
retrograde	-7181 Jun 09 j 08:25	12° $\overline{3}$ 32'21		minimum elong	-7174 Mar 10 j 10:52	25° $\overline{3}$ 42'15	2°26'31
opposition	-7181 Aug 27 j 02:44	11° $\overline{3}$ 07'20	-2°26'22	max. Earth dist.	-7174 Mar 10 j 18:48	25° $\overline{3}$ 43'00	30.84501 AU
min. Earth dist.	-7181 Aug 26 j 15:12	11° $\overline{3}$ 08'10	28.84713 AU	morning rise	-7174 Mar 26 j 16:30	26° $\overline{3}$ 18'15	
direct	-7181 Nov 12 j 15:14	9° $\overline{3}$ 43'10		retrograde	-7174 Jun 24 j 20:56	28° $\overline{3}$ 15'20	
evening set	-7180 Feb 08 j 15:55	11° $\overline{3}$ 37'37		opposition	-7174 Sep 11 j 04:51	26° $\overline{3}$ 50'35	-2°36'33
				min. Earth dist.	-7174 Sep 10 j 22:33	26° $\overline{3}$ 51'02	28.84881 AU
conjunction	-7180 Feb 24 j 19:31	12° $\overline{3}$ 13'29	-2°17'52	direct	-7174 Nov 28 j 01:10	25° $\overline{3}$ 25'51	
minimum elong	-7180 Feb 24 j 19:31	12° $\overline{3}$ 13'29	2°18'22	evening set	-7173 Feb 24 j 20:33	27° $\overline{3}$ 21'00	
max. Earth dist.	-7180 Feb 25 j 07:59	12° $\overline{3}$ 14'39	30.84503 AU				
morning rise	-7180 Mar 12 j 01:03	12° $\overline{3}$ 49'33		conjunction	-7173 Mar 13 j 01:24	27° $\overline{3}$ 56'54	-2°26'39
retrograde	-7180 Jun 10 j 22:00	14° $\overline{3}$ 47'23		minimum elong	-7173 Mar 13 j 01:24	27° $\overline{3}$ 56'54	2°27'06
opposition	-7180 Aug 28 j 13:27	13° $\overline{3}$ 22'24	-2°28'31	max. Earth dist.	-7173 Mar 13 j 07:27	27° $\overline{3}$ 57'28	30.84908 AU
min. Earth dist.	-7180 Aug 28 j 02:07	13° $\overline{3}$ 23'13	28.84635 AU	morning rise	-7173 Mar 29 j 07:14	28° $\overline{3}$ 32'54	
direct	-7180 Nov 14 j 03:32	11° $\overline{3}$ 58'08			-7173 May 15 j 16:56	0° \approx	
evening set	-7179 Feb 10 j 06:21	13° $\overline{3}$ 52'41		retrograde	-7173 Jun 27 j 11:14	0° \approx 29'53	
					-7173 Aug 09 j 17:55	30° \overline{R} $\overline{3}$	
conjunction	-7179 Feb 26 j 10:09	14° $\overline{3}$ 28'33	-2°19'46	opposition	-7173 Sep 13 j 15:20	29° $\overline{3}$ 05'13	-2°37'04
minimum elong	-7179 Feb 26 j 10:08	14° $\overline{3}$ 28'33	2°20'15	min. Earth dist.	-7173 Sep 13 j 09:29	29° $\overline{3}$ 05'38	28.85360 AU
max. Earth dist.	-7179 Feb 26 j 21:44	14° $\overline{3}$ 29'38	30.84388 AU	direct	-7173 Nov 30 j 13:09	27° $\overline{3}$ 40'27	
morning rise	-7179 Mar 14 j 15:41	15° $\overline{3}$ 04'37		evening set	-7172 Feb 27 j 10:57	29° $\overline{3}$ 35'44	
retrograde	-7179 Jun 13 j 09:02	17° $\overline{3}$ 02'19			-7172 Mar 09 j 10:50	0° \approx	
opposition	-7179 Aug 31 j 00:15	15° $\overline{3}$ 37'22	-2°30'26				
min. Earth dist.	-7179 Aug 30 j 14:47	15° $\overline{3}$ 38'02	28.84511 AU	conjunction	-7172 Mar 14 j 16:03	0° \approx 11'39	-2°27'01
direct	-7179 Nov 16 j 14:37	14° $\overline{3}$ 13'00		minimum elong	-7172 Mar 14 j 16:04	0° \approx 11'39	2°27'29
evening set	-7178 Feb 12 j 20:36	16° $\overline{3}$ 07'37		max. Earth dist.	-7172 Mar 14 j 22:18	0° \approx 12'14	30.85435 AU
				morning rise	-7172 Mar 30 j 21:41	0° \approx 47'39	
conjunction	-7178 Mar 01 j 00:41	16° $\overline{3}$ 43'30	-2°21'28	retrograde	-7172 Jun 28 j 23:30	2° \approx 44'32	
minimum elong	-7178 Mar 01 j 00:41	16° $\overline{3}$ 43'30	2°21'57	opposition	-7172 Sep 15 j 01:49	1° \approx 19'58	-2°37'20
max. Earth dist.	-7178 Mar 01 j 11:25	16° $\overline{3}$ 44'30	30.84266 AU	min. Earth dist.	-7172 Sep 14 j 21:22	1° \approx 20'17	28.85931 AU
morning rise	-7178 Mar 17 j 06:18	17° $\overline{3}$ 19'33			-7172 Nov 15 j 05:27	30° \overline{R} $\overline{3}$	
retrograde	-7178 Jun 15 j 22:10	19° $\overline{3}$ 17'07		direct	-7172 Dec 02 j 01:56	29° $\overline{3}$ 55'12	
opposition	-7178 Sep 02 j 10:49	17° $\overline{3}$ 52'11	-2°32'07		-7172 Dec 18 j 19:10	0° \approx	
min. Earth dist.	-7178 Sep 02 j 01:18	17° $\overline{3}$ 52'52	28.84392 AU	evening set	-7171 Mar 01 j 01:29	1° \approx 50'37	
direct	-7178 Nov 19 j 02:47	16° $\overline{3}$ 27'43					
evening set	-7177 Feb 15 j 11:07	18° $\overline{3}$ 22'26		conjunction	-7171 Mar 17 j 06:39	2° \approx 26'33	-2°27'10
				minimum elong	-7171 Mar 17 j 06:39	2° \approx 26'33	2°27'36
conjunction	-7177 Mar 03 j 15:17	18° $\overline{3}$ 58'19	-2°22'56	max. Earth dist.	-7171 Mar 17 j 11:08	2° \approx 26'58	30.86052 AU
minimum elong	-7177 Mar 03 j 15:17	18° $\overline{3}$ 58'19	2°23'24	morning rise	-7171 Apr 02 j 12:24	3° \approx 02'32	
max. Earth dist.	-7177 Mar 04 j 00:37	18° $\overline{3}$ 59'11	30.84160 AU	retrograde	-7171 Jul 01 j 13:15	4° \approx 59'19	
morning rise	-7177 Mar 19 j 21:00	19° $\overline{3}$ 34'21		opposition	-7171 Sep 17 j 12:12	3° \approx 34'51	-2°37'22
retrograde	-7177 Jun 18 j 09:09	21° $\overline{3}$ 31'48		min. Earth dist.	-7171 Sep 17 j 07:51	3° \approx 35'10	28.86566 AU
opposition	-7177 Sep 04 j 21:23	20° $\overline{3}$ 06'53	-2°33'35	direct	-7171 Dec 04 j 14:17	2° \approx 10'05	
min. Earth dist.	-7177 Sep 04 j 13:36	20° $\overline{3}$ 07'26	28.84332 AU	evening set	-7170 Mar 03 j 16:01	4° \approx 05'37	
direct	-7177 Nov 21 j 12:38	18° $\overline{3}$ 42'19					
evening set	-7176 Feb 18 j 01:27	20° $\overline{3}$ 37'07		conjunction	-7170 Mar 19 j 21:22	4° \approx 41'34	-2°27'05
				minimum elong	-7170 Mar 19 j 21:23	4° \approx 41'34	2°27'31
conjunction	-7176 Mar 05 j 05:57	21° $\overline{3}$ 13'01	-2°24'12	max. Earth dist.	-7170 Mar 20 j 01:06	4° \approx 41'55	30.86676 AU
minimum elong	-7176 Mar 05 j 05:57	21° $\overline{3}$ 13'01	2°24'40	morning rise	-7170 Apr 05 j 03:02	5° \approx 17'33	
max. Earth dist.	-7176 Mar 05 j 15:15	21° $\overline{3}$ 13'53	30.84145 AU	retrograde	-7170 Jul 04 j 01:12	7° \approx 14'13	
morning rise	-7176 Mar 21 j 11:34	21° $\overline{3}$ 49'03		opposition	-7170 Sep 19 j 22:49	5° \approx 49'52	-2°37'10
retrograde	-7176 Jun 19 j 20:41	23° $\overline{3}$ 46'21		min. Earth dist.	-7170 Sep 19 j 20:31	5° \approx 50'02	28.87176 AU
opposition	-7176 Sep 06 j 07:53	22° $\overline{3}$ 21'28	-2°34'49	direct	-7170 Dec 07 j 01:29	4° \approx 25'05	
min. Earth dist.	-7176 Sep 06 j 00:03	22° $\overline{3}$ 22'02	28.84370 AU	evening set	-7169 Mar 06 j 06:44	6° \approx 20'43	
direct	-7176 Nov 23 j 01:50	20° $\overline{3}$ 56'51					
evening set	-7175 Feb 19 j 15:45	22° $\overline{3}$ 51'45		conjunction	-7169 Mar 22 j 12:14	6° \approx 56'41	-2°26'47
				minimum elong	-7169 Mar 22 j 12:14	6° \approx 56'41	2°27'11
conjunction	-7175 Mar 07 j 20:14	23° $\overline{3}$ 27'38	-2°25'14	max. Earth dist.	-7169 Mar 22 j 14:32	6° \approx 56'53	30.87262 AU
minimum elong	-7175 Mar 07 j 20:14	23° $\overline{3}$ 27'38	2°25'41	morning rise	-7169 Apr 07 j 17:52	7° \approx 32'39	

Attention, astronomical year style is used: The year -7169 in astronomical counting style is the year 7170 BCE in historical counting style.

retrograde	-7169 Jul 06 j 15:11	9°≈29'11		evening set	-7162 Mar 22 j 12:16	22°≈03'41	
opposition	-7169 Sep 22 j 09:13	8°≈04'56	-2°36'43				
min. Earth dist.	-7169 Sep 22 j 07:09	8°≈05'04	28.87715 AU	conjunction	-7162 Apr 07 j 18:24	22°≈39'37	-2°18'31
direct	-7169 Dec 09 j 13:51	6°≈40'06		minimum elong	-7162 Apr 07 j 18:25	22°≈39'37	2°18'52
evening set	-7168 Mar 07 j 21:31	8°≈35'51		max. Earth dist.	-7162 Apr 07 j 12:37	22°≈39'05	30.90189 AU
				morning rise	-7162 Apr 23 j 23:41	23°≈15'30	
conjunction	-7168 Mar 24 j 03:03	9°≈11'48	-2°26'15	retrograde	-7162 Jul 21 j 23:11	25°≈10'53	
minimum elong	-7168 Mar 24 j 03:04	9°≈11'48	2°26'40	opposition	-7162 Oct 07 j 10:02	23°≈46'56	-2°27'04
max. Earth dist.	-7168 Mar 24 j 03:41	9°≈11'52	30.87753 AU	min. Earth dist.	-7162 Oct 07 j 14:23	23°≈46'38	28.90684 AU
morning rise	-7168 Apr 09 j 08:40	9°≈47'47		direct	-7162 Dec 25 j 03:36	22°≈21'37	
retrograde	-7168 Jul 08 j 01:46	11°≈44'10		evening set	-7161 Mar 25 j 02:36	24°≈17'47	
opposition	-7168 Sep 23 j 19:54	10°≈19'58	-2°36'02				
min. Earth dist.	-7168 Sep 23 j 19:51	10°≈19'58	28.88168 AU	conjunction	-7161 Apr 10 j 08:51	24°≈53'44	-2°16'30
direct	-7168 Dec 11 j 00:03	8°≈55'05		minimum elong	-7161 Apr 10 j 08:51	24°≈53'44	2°16'48
evening set	-7167 Mar 10 j 11:56	10°≈50'54		max. Earth dist.	-7161 Apr 10 j 02:46	24°≈53'10	30.90858 AU
				morning rise	-7161 Apr 26 j 13:53	25°≈29'36	
conjunction	-7167 Mar 26 j 17:43	11°≈26'51	-2°25'30	retrograde	-7161 Jul 24 j 10:41	27°≈24'49	
minimum elong	-7167 Mar 26 j 17:43	11°≈26'51	2°25'53	opposition	-7161 Oct 09 j 20:25	26°≈00'58	-2°24'47
max. Earth dist.	-7167 Mar 26 j 17:45	11°≈26'52	30.88170 AU	min. Earth dist.	-7161 Oct 10 j 02:22	26°≈00'32	28.91416 AU
morning rise	-7167 Apr 11 j 23:13	12°≈02'49		direct	-7161 Dec 27 j 15:31	24°≈35'38	
retrograde	-7167 Jul 10 j 12:39	13°≈59'03		evening set	-7160 Mar 26 j 16:53	26°≈31'53	
opposition	-7167 Sep 26 j 06:21	12°≈34'54	-2°35'07				
min. Earth dist.	-7167 Sep 26 j 06:42	12°≈34'53	28.88538 AU	conjunction	-7160 Apr 11 j 23:10	27°≈07'50	-2°14'15
direct	-7167 Dec 13 j 13:36	11°≈09'57		minimum elong	-7160 Apr 11 j 23:11	27°≈07'50	2°14'34
evening set	-7166 Mar 13 j 02:37	13°≈05'50		max. Earth dist.	-7160 Apr 11 j 16:04	27°≈07'10	30.91666 AU
				morning rise	-7160 Apr 28 j 04:09	27°≈43'40	
conjunction	-7166 Mar 29 j 08:22	13°≈41'47	-2°24'32	retrograde	-7160 Jul 26 j 00:03	29°≈38'46	
minimum elong	-7166 Mar 29 j 08:23	13°≈41'47	2°24'56	opposition	-7160 Oct 11 j 06:42	28°≈15'00	-2°22'17
max. Earth dist.	-7166 Mar 29 j 06:12	13°≈41'35	30.88518 AU	min. Earth dist.	-7160 Oct 11 j 12:25	28°≈14'36	28.92264 AU
morning rise	-7166 Apr 14 j 13:57	14°≈17'44		direct	-7160 Dec 29 j 04:27	26°≈49'40	
	-7166 May 05 j 00:56	15°≈		evening set	-7159 Mar 29 j 07:03	28°≈46'00	
retrograde	-7166 Jul 13 j 00:16	16°≈13'47					
	-7166 Sep 22 j 15:20	15°≈		conjunction	-7159 Apr 14 j 13:19	29°≈21'57	-2°11'49
opposition	-7166 Sep 28 j 16:42	14°≈49'41	-2°33'58	minimum elong	-7159 Apr 14 j 13:20	29°≈21'58	2°12'06
min. Earth dist.	-7166 Sep 28 j 18:30	14°≈49'33	28.88875 AU	max. Earth dist.	-7159 Apr 14 j 05:16	29°≈21'13	30.92557 AU
direct	-7166 Dec 16 j 00:20	13°≈24'38		morning rise	-7159 Apr 30 j 18:12	29°≈57'48	
	-7165 Mar 06 j 01:11	15°≈			-7159 May 01 j 18:34	0°≈	
evening set	-7165 Mar 15 j 17:09	15°≈20'34		retrograde	-7159 Jul 28 j 10:44	1°≈52'46	
				opposition	-7159 Oct 13 j 17:08	0°≈29'07	-2°19'34
conjunction	-7165 Mar 31 j 23:11	15°≈56'32	-2°23'21	min. Earth dist.	-7159 Oct 14 j 00:37	0°≈28'35	28.93181 AU
minimum elong	-7165 Mar 31 j 23:11	15°≈56'32	2°23'43		-7159 Oct 31 j 03:07	30°≈	
max. Earth dist.	-7165 Mar 31 j 20:55	15°≈56'19	30.88851 AU	direct	-7159 Dec 31 j 14:56	29°≈03'48	
morning rise	-7165 Apr 17 j 04:33	16°≈32'27			-7158 Mar 01 j 13:56	0°≈	
retrograde	-7165 Jul 15 j 10:57	18°≈28'20		evening set	-7158 Mar 31 j 21:20	1°≈00'13	
opposition	-7165 Oct 01 j 03:07	17°≈04'16	-2°32'35				
min. Earth dist.	-7165 Oct 01 j 05:49	17°≈04'04	28.89203 AU	conjunction	-7158 Apr 17 j 03:44	1°≈36'11	-2°09'10
direct	-7165 Dec 18 j 12:52	15°≈39'08		minimum elong	-7158 Apr 17 j 03:44	1°≈36'11	2°09'26
evening set	-7164 Mar 17 j 07:38	17°≈35'07		max. Earth dist.	-7158 Apr 16 j 19:11	1°≈35'23	30.93489 AU
				morning rise	-7158 May 03 j 08:25	2°≈12'01	
conjunction	-7164 Apr 02 j 13:34	18°≈11'04	-2°21'57	retrograde	-7158 Jul 30 j 21:59	4°≈06'51	
minimum elong	-7164 Apr 02 j 13:35	18°≈11'04	2°22'19	opposition	-7158 Oct 16 j 03:24	2°≈43'20	-2°16'37
max. Earth dist.	-7164 Apr 02 j 09:14	18°≈10'40	30.89206 AU	min. Earth dist.	-7158 Oct 16 j 11:17	2°≈42'46	28.94089 AU
morning rise	-7164 Apr 18 j 19:01	18°≈46'59		direct	-7157 Jan 03 j 03:53	1°≈18'00	
retrograde	-7164 Jul 16 j 23:21	20°≈42'41		evening set	-7157 Apr 03 j 11:50	3°≈14'31	
opposition	-7164 Oct 02 j 13:26	19°≈18'39	-2°30'58				
min. Earth dist.	-7164 Oct 02 j 16:39	19°≈18'25	28.89595 AU	conjunction	-7157 Apr 19 j 18:05	3°≈50'29	-2°06'19
direct	-7164 Dec 20 j 01:33	17°≈53'26		minimum elong	-7157 Apr 19 j 18:06	3°≈50'29	2°06'34
evening set	-7163 Mar 19 j 21:56	19°≈49'28		max. Earth dist.	-7157 Apr 19 j 07:27	3°≈49'30	30.94377 AU
				morning rise	-7157 May 05 j 22:43	4°≈26'18	
conjunction	-7163 Apr 05 j 04:06	20°≈25'25	-2°20'21	retrograde	-7157 Aug 02 j 09:47	6°≈21'01	
minimum elong	-7163 Apr 05 j 04:06	20°≈25'25	2°20'41	opposition	-7157 Oct 18 j 13:55	4°≈57'36	-2°13'29
max. Earth dist.	-7163 Apr 05 j 00:00	20°≈25'03	30.89637 AU	min. Earth dist.	-7157 Oct 18 j 23:12	4°≈56'57	28.94945 AU
morning rise	-7163 Apr 21 j 09:17	21°≈01'19		direct	-7156 Jan 05 j 14:04	3°≈32'16	
retrograde	-7163 Jul 19 j 10:07	22°≈56'51		evening set	-7156 Apr 05 j 02:00	5°≈28'52	
opposition	-7163 Oct 04 j 23:46	21°≈32'51	-2°29'08				
min. Earth dist.	-7163 Oct 05 j 04:19	21°≈32'32	28.90076 AU	conjunction	-7156 Apr 21 j 08:22	6°≈04'49	-2°03'17
direct	-7163 Dec 22 j 14:43	20°≈07'34		minimum elong	-7156 Apr 21 j 08:23	6°≈04'49	2°03'32

Attention, astronomical year style is used: The year -7156 in astronomical counting style is the year 7157 BCE in historical counting style.

max. Earth dist.	-7156 Apr 20 j 21:31	6° H 03'49	30.95184 AU	conjunction	-7149 May 08 j 09:20	21° H 41'43	-1°37'18
morning rise	-7156 May 07 j 12:41	6° H 40'38		minimum elong	-7149 May 08 j 09:20	21° H 41'43	1°37'26
retrograde	-7156 Aug 03 j 20:00	8° H 35'13		max. Earth dist.	-7149 May 07 j 15:59	21° H 40'06	30.99383 AU
opposition	-7156 Oct 20 j 00:28	7° H 11'53	-2°10'08	morning rise	-7149 May 24 j 12:13	22° H 17'22	
min. Earth dist.	-7156 Oct 20 j 10:48	7° H 11'09	28.95687 AU	retrograde	-7149 Aug 20 j 02:45	24° H 10'52	
direct	-7155 Jan 07 j 02:26	5° H 46'32		opposition	-7149 Nov 05 j 01:14	22° H 47'51	-1°41'46
evening set	-7155 Apr 07 j 16:21	7° H 43'11		min. Earth dist.	-7149 Nov 05 j 16:36	22° H 46'46	28.99884 AU
				direct	-7148 Jan 23 j 21:07	21° H 22'13	
conjunction	-7155 Apr 23 j 22:32	8° H 19'08	-2°00'04	evening set	-7148 Apr 23 j 17:02	23° H 19'01	
minimum elong	-7155 Apr 23 j 22:33	8° H 19'08	2°00'18				
max. Earth dist.	-7155 Apr 23 j 09:17	8° H 17'54	30.95884 AU	conjunction	-7148 May 09 j 22:32	23° H 54'54	-1°32'59
morning rise	-7155 May 10 j 02:50	8° H 54'56		minimum elong	-7148 May 09 j 22:33	23° H 54'54	1°33'05
retrograde	-7155 Aug 06 j 07:51	10° H 49'22		max. Earth dist.	-7148 May 09 j 04:00	23° H 53'11	31.00229 AU
opposition	-7155 Oct 22 j 10:50	9° H 26'06	-2°06'36	morning rise	-7148 May 26 j 01:13	24° H 30'32	
min. Earth dist.	-7155 Oct 22 j 21:56	9° H 25'19	28.96337 AU	retrograde	-7148 Aug 21 j 13:58	26° H 23'55	
direct	-7154 Jan 09 j 14:51	8° H 00'43		opposition	-7148 Nov 06 j 11:41	25° H 00'58	-1°37'04
evening set	-7154 Apr 10 j 06:27	9° H 57'24		min. Earth dist.	-7148 Nov 07 j 03:43	24° H 59'50	29.00797 AU
				direct	-7147 Jan 25 j 07:20	23° H 35'20	
conjunction	-7154 Apr 26 j 12:47	10° H 33'21	-1°56'41	evening set	-7147 Apr 26 j 06:25	25° H 32'10	
minimum elong	-7154 Apr 26 j 12:48	10° H 33'21	1°56'54				
max. Earth dist.	-7154 Apr 25 j 23:27	10° H 32'07	30.96486 AU	conjunction	-7147 May 12 j 11:55	26° H 08'03	-1°28'31
morning rise	-7154 May 12 j 16:45	11° H 09'07		minimum elong	-7147 May 12 j 11:55	26° H 08'03	1°28'36
retrograde	-7154 Aug 08 j 18:00	13° H 03'25		max. Earth dist.	-7147 May 11 j 17:48	26° H 06'22	31.01204 AU
opposition	-7154 Oct 24 j 21:22	11° H 40'11	-2°02'53	morning rise	-7147 May 28 j 14:11	26° H 43'40	
min. Earth dist.	-7154 Oct 25 j 10:09	11° H 39'17	28.96885 AU	retrograde	-7147 Aug 23 j 23:00	28° H 36'55	
direct	-7153 Jan 12 j 04:04	10° H 14'46		opposition	-7147 Nov 08 j 22:01	27° H 14'04	-1°32'13
evening set	-7153 Apr 12 j 20:37	12° H 11'29		min. Earth dist.	-7147 Nov 09 j 14:41	27° H 12'54	29.01800 AU
max. Earth dist.	-7153 Apr 28 j 11:25	12° H 45'59	30.97018 AU	direct	-7146 Jan 27 j 19:49	25° H 48'28	
				evening set	-7146 Apr 28 j 20:00	27° H 45'20	
conjunction	-7153 Apr 29 j 02:44	12° H 47'25	-1°53'07	max. Earth dist.	-7146 May 14 j 05:16	28° H 19'21	31.02248 AU
minimum elong	-7153 Apr 29 j 02:45	12° H 47'25	1°53'19				
morning rise	-7153 May 15 j 06:40	13° H 23'10		conjunction	-7146 May 15 j 01:08	28° H 21'11	-1°23'55
retrograde	-7153 Aug 11 j 06:25	15° H 17'18		minimum elong	-7146 May 15 j 01:09	28° H 21'11	1°23'59
opposition	-7153 Oct 27 j 07:41	13° H 54'07	-1°59'00	morning rise	-7146 May 31 j 03:16	28° H 56'47	
min. Earth dist.	-7153 Oct 27 j 20:28	13° H 53'12	28.97391 AU		-7146 Jul 02 j 05:13	0° Y	
direct	-7152 Jan 14 j 17:02	12° H 28'37		retrograde	-7146 Aug 26 j 09:57	0° Y 49'57	
evening set	-7152 Apr 14 j 10:31	14° H 25'22			-7146 Oct 22 j 08:57	30° R H	
				opposition	-7146 Nov 11 j 08:28	29° H 27'11	-1°27'14
conjunction	-7152 Apr 30 j 16:39	15° H 01'17	-1°49'24	min. Earth dist.	-7146 Nov 12 j 01:27	29° H 25'59	29.02853 AU
minimum elong	-7152 Apr 30 j 16:40	15° H 01'17	1°49'35	direct	-7145 Jan 30 j 07:02	28° H 01'35	
max. Earth dist.	-7152 Apr 30 j 01:06	14° H 59'51	30.97518 AU	evening set	-7145 May 01 j 09:23	29° H 58'30	
morning rise	-7152 May 16 j 20:14	15° H 37'01			-7145 May 02 j 01:54	0° Y	
retrograde	-7152 Aug 12 j 17:28	17° H 30'59					
opposition	-7152 Oct 28 j 18:10	16° H 07'50	-1°54'56	conjunction	-7145 May 17 j 14:26	0° Y 34'21	-1°19'11
min. Earth dist.	-7152 Oct 29 j 08:38	16° H 06'48	28.97898 AU	minimum elong	-7145 May 17 j 14:27	0° Y 34'21	1°19'14
direct	-7151 Jan 16 j 06:02	14° H 42'17		max. Earth dist.	-7145 May 16 j 18:59	0° Y 32'33	31.03293 AU
evening set	-7151 Apr 17 j 00:10	16° H 39'02		morning rise	-7145 Jun 02 j 16:02	1° Y 09'56	
				retrograde	-7145 Aug 28 j 19:35	3° Y 02'59	
conjunction	-7151 May 03 j 06:11	17° H 14'57	-1°45'31	opposition	-7145 Nov 13 j 19:07	1° Y 40'19	-1°22'07
minimum elong	-7151 May 03 j 06:11	17° H 14'57	1°45'40	min. Earth dist.	-7145 Nov 14 j 13:34	1° Y 39'01	29.03872 AU
max. Earth dist.	-7151 May 02 j 13:34	17° H 13'25	30.98058 AU	direct	-7144 Feb 01 j 18:53	0° Y 14'45	
morning rise	-7151 May 19 j 09:39	17° H 50'39		evening set	-7144 May 02 j 22:54	2° Y 11'41	
retrograde	-7151 Aug 15 j 05:54	19° H 44'28		max. Earth dist.	-7144 May 18 j 06:18	2° Y 45'32	31.04291 AU
opposition	-7151 Oct 31 j 04:28	18° H 21'20	-1°50'42				
min. Earth dist.	-7151 Oct 31 j 18:37	18° H 20'20	28.98455 AU	conjunction	-7144 May 19 j 03:32	2° Y 47'31	-1°14'21
direct	-7150 Jan 18 j 20:20	16° H 55'45		minimum elong	-7144 May 19 j 03:33	2° Y 47'31	1°14'22
evening set	-7150 Apr 19 j 13:54	18° H 52'31		morning rise	-7144 Jun 04 j 04:57	3° Y 23'04	
				retrograde	-7144 Aug 30 j 07:35	5° Y 16'01	
conjunction	-7150 May 05 j 19:48	19° H 28'25	-1°41'29	opposition	-7144 Nov 15 j 05:41	3° Y 53'25	-1°16'53
minimum elong	-7150 May 05 j 19:49	19° H 28'25	1°41'37	min. Earth dist.	-7144 Nov 15 j 23:58	3° Y 52'08	29.04826 AU
max. Earth dist.	-7150 May 05 j 02:31	19° H 26'49	30.98658 AU	direct	-7143 Feb 03 j 07:13	2° Y 27'51	
morning rise	-7150 May 21 j 22:58	20° H 04'06		evening set	-7143 May 05 j 12:07	4° Y 24'49	
retrograde	-7150 Aug 17 j 15:52	21° H 57'45					
opposition	-7150 Nov 02 j 14:49	20° H 34'40	-1°46'19	conjunction	-7143 May 21 j 16:37	5° Y 00'37	-1°09'24
min. Earth dist.	-7150 Nov 03 j 06:24	20° H 33'34	28.99111 AU	minimum elong	-7143 May 21 j 16:38	5° Y 00'37	1°09'24
direct	-7149 Jan 21 j 07:44	19° H 09'02		max. Earth dist.	-7143 May 20 j 19:14	4° Y 58'38	31.05192 AU
evening set	-7149 Apr 22 j 03:32	21° H 05'49		morning rise	-7143 Jun 06 j 17:33	5° Y 36'09	

Attention, astronomical year style is used: The year -7143 in astronomical counting style is the year 7144 BCE in historical counting style.

retrograde	-7143 Sep 01 j 18:04	7°♈29'00	conjunction	-7136 Jun 06 j 08:24	20°♈28'00	-0°32'30
opposition	-7143 Nov 17 j 16:27	6°♈06'27 -1°11'32	minimum elong	-7136 Jun 06 j 08:24	20°♈28'01	0°32'23
min. Earth dist.	-7143 Nov 18 j 12:31	6°♈05'02 29.05670 AU	morning rise	-7136 Jun 22 j 06:16	21°♈03'18	
direct	-7142 Feb 05 j 20:21	4°♈40'53	retrograde	-7136 Sep 16 j 17:07	22°♈55'26	
evening set	-7142 May 08 j 01:29	6°♈37'51	opposition	-7136 Dec 02 j 19:12	21°♈33'08	-0°31'50
max. Earth dist.	-7142 May 23 j 06:55	7°♈11'31 31.05991 AU	min. Earth dist.	-7136 Dec 03 j 17:59	21°♈31'32	29.10705 AU
			direct	-7135 Feb 21 j 11:02	20°♈07'30	
conjunction	-7142 May 24 j 05:38	7°♈13'37 -1°04'21	evening set	-7135 May 23 j 18:50	22°♈04'24	
minimum elong	-7142 May 24 j 05:39	7°♈13'38 1°04'20				
morning rise	-7142 Jun 09 j 06:17	7°♈49'07	conjunction	-7135 Jun 08 j 20:15	22°♈39'59	-0°26'59
retrograde	-7142 Sep 04 j 05:53	9°♈41'51	minimum elong	-7135 Jun 08 j 20:15	22°♈40'00	0°26'51
opposition	-7142 Nov 20 j 03:00	8°♈19'20 -1°06'06	max. Earth dist.	-7135 Jun 07 j 19:04	22°♈37'39	31.11176 AU
min. Earth dist.	-7142 Nov 20 j 22:54	8°♈17'57 29.06404 AU	morning rise	-7135 Jun 24 j 17:50	23°♈15'16	
direct	-7141 Feb 08 j 10:42	6°♈53'45	retrograde	-7135 Sep 19 j 04:21	25°♈07'21	
evening set	-7141 May 10 j 14:45	8°♈50'43	opposition	-7135 Dec 05 j 05:53	23°♈45'07	-0°25'55
			min. Earth dist.	-7135 Dec 06 j 03:49	23°♈43'35	29.11738 AU
conjunction	-7141 May 26 j 18:35	9°♈26'29 -0°59'13	direct	-7134 Feb 23 j 22:39	22°♈19'33	
minimum elong	-7141 May 26 j 18:36	9°♈26'29 0°59'12	evening set	-7134 May 26 j 07:12	24°♈16'28	
max. Earth dist.	-7141 May 25 j 19:09	9°♈24'18 31.06683 AU	max. Earth dist.	-7134 Jun 10 j 07:42	24°♈49'45	31.12247 AU
morning rise	-7141 Jun 11 j 18:46	10°♈01'56				
retrograde	-7141 Sep 06 j 16:11	11°♈54'34	conjunction	-7134 Jun 11 j 08:16	24°♈52'02	-0°21'26
opposition	-7141 Nov 22 j 13:48	10°♈32'04 -1°00'34	minimum elong	-7134 Jun 11 j 08:16	24°♈52'02	0°21'17
min. Earth dist.	-7141 Nov 23 j 11:12	10°♈30'34 29.07065 AU	morning rise	-7134 Jun 27 j 05:10	25°♈27'15	
direct	-7140 Feb 10 j 22:32	9°♈06'28	retrograde	-7134 Sep 21 j 14:31	27°♈19'20	
evening set	-7140 May 12 j 03:38	11°♈03'25	opposition	-7134 Dec 07 j 16:48	25°♈57'10	-0°19'58
max. Earth dist.	-7140 May 27 j 07:37	11°♈36'57 31.07326 AU	min. Earth dist.	-7134 Dec 08 j 15:57	25°♈55'34	29.12835 AU
			direct	-7133 Feb 26 j 11:04	24°♈31'40	
conjunction	-7140 May 28 j 07:11	11°♈39'08 -0°54'00	evening set	-7133 May 28 j 19:39	26°♈28'37	
minimum elong	-7140 May 28 j 07:11	11°♈39'09 0°53'57				
morning rise	-7140 Jun 13 j 06:57	12°♈14'34	conjunction	-7133 Jun 13 j 20:07	27°♈04'09	-0°15'52
retrograde	-7140 Sep 08 j 02:49	14°♈07'04	minimum elong	-7133 Jun 13 j 20:07	27°♈04'09	0°15'42
opposition	-7140 Nov 24 j 00:26	12°♈44'36 -0°54'57	behind sun begin	-7133 Jun 13 j 18:57	27°♈04'02	
min. Earth dist.	-7140 Nov 24 j 21:46	12°♈43'07 29.07679 AU	behind sun end	-7133 Jun 13 j 21:18	27°♈04'15	
direct	-7139 Feb 12 j 12:44	11°♈18'59	max. Earth dist.	-7133 Jun 12 j 18:56	27°♈01'48	31.13364 AU
evening set	-7139 May 14 j 16:35	13°♈15'54	morning rise	-7133 Jun 29 j 16:36	27°♈39'20	
			retrograde	-7133 Sep 24 j 02:14	29°♈31'23	
conjunction	-7139 May 30 j 19:41	13°♈51'36 -0°48'43	opposition	-7133 Dec 10 j 03:46	28°♈09'19	-0°13'59
minimum elong	-7139 May 30 j 19:41	13°♈51'36 0°48'40	min. Earth dist.	-7133 Dec 11 j 02:15	28°♈07'45	29.13939 AU
max. Earth dist.	-7139 May 29 j 18:58	13°♈49'19 31.07942 AU	direct	-7132 Feb 29 j 00:22	26°♈43'52	
morning rise	-7139 Jun 15 j 19:06	14°♈27'00	evening set	-7132 May 30 j 07:53	28°♈40'51	
retrograde	-7139 Sep 10 j 13:36	16°♈19'23	max. Earth dist.	-7132 Jun 14 j 06:26	29°♈13'58	31.14442 AU
opposition	-7139 Nov 26 j 10:58	14°♈56'57 -0°49'16				
min. Earth dist.	-7139 Nov 27 j 08:57	14°♈55'25 29.08313 AU	conjunction	-7132 Jun 15 j 07:51	29°♈16'20	-0°10'16
direct	-7138 Feb 14 j 23:50	13°♈31'17	minimum elong	-7132 Jun 15 j 07:50	29°♈16'20	0°10'04
evening set	-7138 May 17 j 05:18	15°♈28'12	behind sun begin	-7132 Jun 15 j 02:37	29°♈15'52	
max. Earth dist.	-7138 Jun 01 j 08:04	16°♈01'38 31.08599 AU	behind sun end	-7132 Jun 15 j 13:04	29°♈16'48	
			morning rise	-7132 Jul 01 j 03:42	29°♈51'30	
conjunction	-7138 Jun 02 j 08:10	16°♈03'53 -0°43'22				
minimum elong	-7138 Jun 02 j 08:10	16°♈03'53 0°43'17	retrograde	-7132 Sep 25 j 12:57	1°♈43'32	
morning rise	-7138 Jun 18 j 07:02	16°♈39'14	opposition	-7132 Dec 11 j 14:53	0°♈21'31	-0°07'59
retrograde	-7138 Sep 12 j 22:02	18°♈31'31	min. Earth dist.	-7132 Dec 12 j 14:36	0°♈19'53	29.14991 AU
opposition	-7138 Nov 28 j 21:42	17°♈09'07 -0°43'31				
min. Earth dist.	-7138 Nov 29 j 20:02	17°♈07'33 29.08993 AU	direct	-7131 Mar 02 j 11:44	28°♈56'08	
direct	-7137 Feb 17 j 13:07	15°♈43'27				
evening set	-7137 May 19 j 17:58	17°♈40'21	evening set	-7131 Jun 01 j 20:12	0°♈53'07	
conjunction	-7137 Jun 04 j 20:14	18°♈15'59 -0°37'58	conjunction	-7131 Jun 17 j 19:39	1°♈28'34	-0°04'40
minimum elong	-7137 Jun 04 j 20:14	18°♈15'59 0°37'52	minimum elong	-7131 Jun 17 j 19:39	1°♈28'34	0°04'29
max. Earth dist.	-7137 Jun 03 j 18:55	18°♈13'38 31.09332 AU	behind sun begin	-7131 Jun 17 j 13:16	1°♈28'00	
morning rise	-7137 Jun 20 j 18:45	18°♈51'19	behind sun end	-7131 Jun 18 j 02:02	1°♈29'08	
retrograde	-7137 Sep 15 j 08:09	20°♈43'31	max. Earth dist.	-7131 Jun 16 j 18:14	1°♈26'12	31.15446 AU
opposition	-7137 Dec 01 j 08:23	19°♈21'09 -0°37'42	morning rise	-7131 Jul 03 j 14:58	2°♈03'41	
min. Earth dist.	-7137 Dec 02 j 06:22	19°♈19'37 29.09788 AU	retrograde	-7131 Sep 28 j 00:15	3°♈55'40	
direct	-7136 Feb 20 j 00:02	17°♈55'29	opposition	-7131 Dec 14 j 01:53	2°♈33'44	-0°01'58
evening set	-7136 May 21 j 06:24	19°♈52'23	min. Earth dist.	-7131 Dec 15 j 01:32	2°♈32'05	29.15928 AU
max. Earth dist.	-7136 Jun 05 j 08:12	20°♈25'45 31.10188 AU	direct	-7130 Mar 05 j 02:22	1°♈08'23	
			asc. node	-7130 Apr 13 j 08:58	1°♈32'49	

Attention, astronomical year style is used: The year -7130 in astronomical counting style is the year 7131 BCE in historical counting style.

evening set	-7130 Jun 04 j 08:36	3°8'05"21		direct	-7124 Mar 18 j 03:36	14°8'18"45	
max. Earth dist.	-7130 Jun 19 j 04:50	3°8'38"18	31.16319 AU		-7124 May 08 j 18:49	15°8'	
				evening set	-7124 Jun 17 j 07:26	16°8'15"26	
conjunction	-7130 Jun 20 j 07:24	3°8'40"46	0°01'04	max. Earth dist.	-7124 Jul 02 j 00:18	16°8'48"07	31.19926 AU
minimum elong	-7130 Jun 20 j 07:24	3°8'40"46	0°01'18				
behind sun begin	-7130 Jun 20 j 00:53	3°8'40"11		conjunction	-7124 Jul 03 j 02:34	16°8'50"34	0°34'22
behind sun end	-7130 Jun 20 j 13:54	3°8'41"21		minimum elong	-7124 Jul 03 j 02:34	16°8'50"34	0°34'41
morning rise	-7130 Jul 06 j 02:11	4°8'15"51		morning rise	-7124 Jul 18 j 17:44	17°8'25"22	
retrograde	-7130 Sep 30 j 11:37	6°8'07"48		retrograde	-7124 Oct 12 j 20:46	19°8'17"07	
opposition	-7130 Dec 16 j 13:07	4°8'45"53	0°04'02	opposition	-7124 Dec 29 j 08:49	17°8'55"11	0°39'33
min. Earth dist.	-7130 Dec 17 j 13:20	4°8'44"13	29.16749 AU	min. Earth dist.	-7124 Dec 30 j 08:38	17°8'53"33	29.20309 AU
direct	-7129 Mar 07 j 14:29	3°8'20"34		direct	-7123 Mar 20 j 16:05	16°8'29"52	
evening set	-7129 Jun 06 j 20:40	5°8'17"31		evening set	-7123 Jun 19 j 18:52	18°8'26"32	
				max. Earth dist.	-7123 Jul 04 j 11:26	18°8'59"12	31.20624 AU
conjunction	-7129 Jun 22 j 19:00	5°8'52"53	0°06'42				
minimum elong	-7129 Jun 22 j 19:00	5°8'52"53	0°06'56	conjunction	-7123 Jul 05 j 13:23	19°8'01"37	0°39'46
behind sun begin	-7129 Jun 22 j 12:58	5°8'52"20		minimum elong	-7123 Jul 05 j 13:22	19°8'01"37	0°40'05
behind sun end	-7129 Jun 23 j 01:02	5°8'53"25		morning rise	-7123 Jul 21 j 03:51	19°8'36"23	
max. Earth dist.	-7129 Jun 21 j 17:01	5°8'50"28	31.17071 AU	retrograde	-7123 Oct 15 j 07:15	21°8'28"08	
morning rise	-7129 Jul 08 j 13:05	6°8'27"54		opposition	-7123 Dec 31 j 20:07	20°8'06"14	0°45'18
retrograde	-7129 Oct 02 j 20:01	8°8'19"49		min. Earth dist.	-7122 Jan 01 j 20:29	20°8'04"33	29.21064 AU
opposition	-7129 Dec 19 j 00:26	6°8'57"56	0°10'02	direct	-7122 Mar 23 j 03:16	18°8'40"58	
min. Earth dist.	-7129 Dec 20 j 01:07	6°8'56"13	29.17433 AU	evening set	-7122 Jun 22 j 06:14	20°8'37"37	
direct	-7128 Mar 09 j 04:09	5°8'32"37		max. Earth dist.	-7122 Jul 06 j 22:59	21°8'10"19	31.21421 AU
evening set	-7128 Jun 08 j 08:49	7°8'29"31					
max. Earth dist.	-7128 Jun 23 j 03:04	8°8'02"17	31.17707 AU	conjunction	-7122 Jul 08 j 00:06	21°8'12"40	0°45'08
				minimum elong	-7122 Jul 08 j 00:06	21°8'12"40	0°45'28
conjunction	-7128 Jun 24 j 06:25	8°8'04"50	0°12'17	morning rise	-7122 Jul 23 j 13:56	21°8'47"23	
minimum elong	-7128 Jun 24 j 06:24	8°8'04"50	0°12'32	retrograde	-7122 Oct 17 j 18:16	23°8'39"10	
behind sun begin	-7128 Jun 24 j 02:14	8°8'04"28		opposition	-7121 Jan 03 j 07:36	22°8'17"18	0°51'00
behind sun end	-7128 Jun 24 j 10:35	8°8'05"13		min. Earth dist.	-7121 Jan 04 j 07:11	22°8'15"41	29.21882 AU
morning rise	-7128 Jul 10 j 00:03	8°8'39"49		direct	-7121 Mar 25 j 17:24	20°8'52"07	
retrograde	-7128 Oct 04 j 06:13	10°8'31"41		evening set	-7121 Jun 24 j 17:30	22°8'48"47	
opposition	-7128 Dec 20 j 11:32	9°8'09"47	0°16'01	max. Earth dist.	-7121 Jul 09 j 09:07	23°8'21"24	31.22255 AU
min. Earth dist.	-7128 Dec 21 j 12:02	9°8'08"06	29.18033 AU				
direct	-7127 Mar 11 j 15:42	7°8'44"27		conjunction	-7121 Jul 10 j 10:35	23°8'23"47	0°50'25
evening set	-7127 Jun 10 j 20:36	9°8'41"18		minimum elong	-7121 Jul 10 j 10:34	23°8'23"46	0°50'46
				morning rise	-7121 Jul 25 j 23:50	23°8'58"27	
conjunction	-7127 Jun 26 j 17:47	10°8'16"36	0°17'51	retrograde	-7121 Oct 20 j 05:55	25°8'50"17	
minimum elong	-7127 Jun 26 j 17:47	10°8'16"36	0°18'07	opposition	-7120 Jan 05 j 19:12	24°8'28"29	0°56'37
max. Earth dist.	-7127 Jun 25 j 15:26	10°8'14"08	31.18263 AU	min. Earth dist.	-7120 Jan 06 j 18:42	24°8'26"52	29.22734 AU
morning rise	-7127 Jul 12 j 10:41	10°8'51"32		direct	-7120 Mar 27 j 04:57	23°8'03"22	
retrograde	-7127 Oct 06 j 14:53	12°8'43"20		evening set	-7120 Jun 26 j 04:39	25°8'00"02	
opposition	-7127 Dec 22 j 22:52	11°8'21"26	0°21'58				
min. Earth dist.	-7127 Dec 24 j 00:18	11°8'19"41	29.18559 AU	conjunction	-7120 Jul 11 j 21:11	25°8'34"59	0°55'38
direct	-7126 Mar 14 j 03:40	9°8'56"06		minimum elong	-7120 Jul 11 j 21:11	25°8'34"59	0°56'00
evening set	-7126 Jun 13 j 08:27	11°8'52"53		max. Earth dist.	-7120 Jul 10 j 20:53	25°8'32"43	31.23087 AU
max. Earth dist.	-7126 Jun 28 j 01:38	12°8'25"35	31.18782 AU	morning rise	-7120 Jul 27 j 09:42	26°8'09"37	
				retrograde	-7120 Oct 21 j 14:54	28°8'01"31	
conjunction	-7126 Jun 29 j 04:50	12°8'28"07	0°23'24	opposition	-7119 Jan 07 j 06:46	26°8'39"46	1°02'09
minimum elong	-7126 Jun 29 j 04:50	12°8'28"07	0°23'42	min. Earth dist.	-7119 Jan 08 j 06:26	26°8'38"08	29.23537 AU
morning rise	-7126 Jul 14 j 21:17	13°8'03"01		direct	-7119 Mar 29 j 18:01	25°8'14"44	
retrograde	-7126 Oct 09 j 00:57	14°8'54"47		evening set	-7119 Jun 28 j 15:56	27°8'11"24	
opposition	-7126 Dec 25 j 10:03	13°8'32"52	0°27'52	max. Earth dist.	-7119 Jul 13 j 06:19	27°8'43"56	31.23846 AU
min. Earth dist.	-7126 Dec 26 j 10:27	13°8'31"11	29.19082 AU				
direct	-7125 Mar 16 j 15:54	12°8'07"30		conjunction	-7119 Jul 14 j 07:38	27°8'46"18	1°00'46
evening set	-7125 Jun 15 j 20:02	14°8'04"15		minimum elong	-7119 Jul 14 j 07:37	27°8'46"18	1°01'09
				morning rise	-7119 Jul 29 j 19:40	28°8'20"54	
conjunction	-7125 Jul 01 j 15:54	14°8'39"26	0°28'54		-7119 Sep 26 j 17:08	0°II	
minimum elong	-7125 Jul 01 j 15:54	14°8'39"26	0°29'12	retrograde	-7119 Oct 24 j 01:50	0°II12'50	
max. Earth dist.	-7125 Jun 30 j 13:39	14°8'36"59	31.19313 AU		-7119 Nov 20 j 22:47	30°R8	
	-7125 Jul 10 j 20:25	15°8'		opposition	-7118 Jan 09 j 18:29	28°8'51"08	1°07'36
morning rise	-7125 Jul 17 j 07:34	15°8'14"17		min. Earth dist.	-7118 Jan 10 j 17:36	28°8'49"33	29.24253 AU
retrograde	-7125 Oct 11 j 10:06	17°8'06"02		direct	-7118 Apr 01 j 05:40	27°8'26"10	
opposition	-7125 Dec 27 j 21:31	15°8'44"05	0°33'44	evening set	-7118 Jul 01 j 03:02	29°8'22"49	
min. Earth dist.	-7125 Dec 28 j 22:38	15°8'42"22	29.19654 AU				
	-7124 Jan 24 j 22:41	15°8'8'		conjunction	-7118 Jul 16 j 18:10	29°8'57"41	1°05'49

Attention, astronomical year style is used: The year -7118 in astronomical counting style is the year 7119 BCE in historical counting style.

minimum elong	-7118 Jul 16 j 18:10	29° 8 57'41	1°06'13	opposition	-7111 Jan 25 j 06:00	14° II 09'02	1°42'28
max. Earth dist.	-7118 Jul 15 j 18:01	29° 8 55'25	31.24486 AU	min. Earth dist.	-7111 Jan 26 j 03:18	14° II 07'35	29.26324 AU
	-7118 Jul 17 j 18:54	0° II		direct	-7111 Apr 16 j 17:43	12° II 44'13	
morning rise	-7118 Aug 01 j 05:22	0° II 32'14		evening set	-7111 Jul 16 j 06:04	14° II 40'29	
retrograde	-7118 Oct 26 j 11:07	2° II 24'14					
opposition	-7117 Jan 12 j 06:26	1° II 02'33	1°12'56	conjunction	-7111 Jul 31 j 16:23	15° II 14'59	1°38'01
min. Earth dist.	-7117 Jan 13 j 06:22	1° II 00'55	29.24830 AU	minimum elong	-7111 Jul 31 j 16:22	15° II 14'59	1°38'28
	-7117 Feb 24 j 05:03	30° 8		max. Earth dist.	-7111 Jul 30 j 19:15	15° II 13'00	31.26354 AU
direct	-7117 Apr 03 j 17:46	29° 8 37'39		morning rise	-7111 Aug 15 j 23:19	15° II 49'14	
	-7117 May 11 j 07:02	0° II		retrograde	-7111 Nov 10 j 10:58	17° II 41'33	
evening set	-7117 Jul 03 j 14:15	1° II 34'16		opposition	-7110 Jan 27 j 18:05	16° II 19'39	1°46'54
max. Earth dist.	-7117 Jul 18 j 03:35	2° II 06'44	31.24995 AU	min. Earth dist.	-7110 Jan 28 j 14:47	16° II 18'15	29.26634 AU
				direct	-7110 Apr 19 j 07:00	14° II 54'53	
conjunction	-7117 Jul 19 j 04:31	2° II 09'04	1°10'46	evening set	-7110 Jul 18 j 16:24	16° II 51'06	
minimum elong	-7117 Jul 19 j 04:31	2° II 09'04	1°11'10	max. Earth dist.	-7110 Aug 02 j 04:29	17° II 23'33	31.26712 AU
morning rise	-7117 Aug 03 j 15:14	2° II 43'35					
retrograde	-7117 Oct 28 j 21:27	4° II 35'38		conjunction	-7110 Aug 03 j 01:51	17° II 25'33	1°42'06
opposition	-7116 Jan 14 j 18:18	3° II 13'57	1°18'10	minimum elong	-7110 Aug 03 j 01:51	17° II 25'33	1°42'34
min. Earth dist.	-7116 Jan 15 j 17:07	3° II 12'23	29.25275 AU	morning rise	-7110 Aug 18 j 08:22	17° II 59'46	
direct	-7116 Apr 05 j 05:46	1° II 49'04		retrograde	-7110 Nov 12 j 22:19	19° II 52'10	
evening set	-7116 Jul 05 j 01:06	3° II 45'39		opposition	-7109 Jan 30 j 06:10	18° II 30'15	1°51'11
				min. Earth dist.	-7109 Jan 31 j 01:31	18° II 28'56	29.27045 AU
conjunction	-7116 Jul 20 j 14:49	4° II 20'25	1°15'37	direct	-7109 Apr 21 j 19:22	17° II 05'33	
minimum elong	-7116 Jul 20 j 14:49	4° II 20'25	1°16'02	evening set	-7109 Jul 21 j 02:32	19° II 01'43	
max. Earth dist.	-7116 Jul 19 j 14:39	4° II 18'09	31.25359 AU				
morning rise	-7116 Aug 05 j 00:48	4° II 54'53		conjunction	-7109 Aug 05 j 11:31	19° II 36'08	1°46'02
retrograde	-7116 Oct 30 j 06:42	6° II 46'59		minimum elong	-7109 Aug 05 j 11:30	19° II 36'08	1°46'29
opposition	-7115 Jan 16 j 06:18	5° II 25'16	1°23'18	max. Earth dist.	-7109 Aug 04 j 16:00	19° II 34'18	31.27150 AU
min. Earth dist.	-7115 Jan 17 j 06:01	5° II 23'39	29.25584 AU	morning rise	-7109 Aug 20 j 17:19	20° II 10'18	
direct	-7115 Apr 07 j 16:58	4° II 00'25		retrograde	-7109 Nov 15 j 07:57	22° II 02'48	
evening set	-7115 Jul 07 j 12:02	5° II 56'56		opposition	-7108 Feb 01 j 18:25	20° II 40'54	1°55'18
max. Earth dist.	-7115 Jul 22 j 00:43	6° II 29'22	31.25610 AU	min. Earth dist.	-7108 Feb 02 j 13:55	20° II 39'35	29.27512 AU
				direct	-7108 Apr 23 j 07:40	19° II 16'16	
conjunction	-7115 Jul 23 j 01:00	6° II 31'39	1°20'21	evening set	-7108 Jul 22 j 12:41	21° II 12'24	
minimum elong	-7115 Jul 23 j 00:59	6° II 31'39	1°20'45				
morning rise	-7115 Aug 07 j 10:26	7° II 06'05		conjunction	-7108 Aug 06 j 20:54	21° II 46'46	1°49'49
retrograde	-7115 Nov 01 j 17:05	8° II 58'12		minimum elong	-7108 Aug 06 j 20:53	21° II 46'46	1°50'18
opposition	-7114 Jan 18 j 18:03	7° II 36'28	1°28'17	max. Earth dist.	-7108 Aug 06 j 01:20	21° II 44'56	31.27628 AU
min. Earth dist.	-7114 Jan 19 j 16:38	7° II 34'56	29.25783 AU	morning rise	-7108 Aug 22 j 02:20	22° II 20'55	
direct	-7114 Apr 10 j 04:43	6° II 11'37		retrograde	-7108 Nov 16 j 18:09	24° II 13'30	
evening set	-7114 Jul 09 j 22:49	8° II 08'04		opposition	-7107 Feb 03 j 06:34	22° II 51'37	1°59'16
max. Earth dist.	-7114 Jul 24 j 11:05	8° II 40'29	31.25769 AU	min. Earth dist.	-7107 Feb 04 j 00:28	22° II 50'24	29.27986 AU
				direct	-7107 Apr 25 j 19:18	21° II 27'04	
conjunction	-7114 Jul 25 j 11:05	8° II 42'44	1°24'58	evening set	-7107 Jul 24 j 22:47	23° II 23'09	
minimum elong	-7114 Jul 25 j 11:04	8° II 42'44	1°25'24	max. Earth dist.	-7107 Aug 08 j 11:59	23° II 55'45	31.28067 AU
morning rise	-7114 Aug 09 j 19:52	9° II 17'07					
retrograde	-7114 Nov 04 j 03:44	11° II 09'17		conjunction	-7107 Aug 09 j 06:27	23° II 57'30	1°53'26
opposition	-7113 Jan 21 j 06:08	9° II 47'29	1°33'09	minimum elong	-7107 Aug 09 j 06:27	23° II 57'30	1°53'54
min. Earth dist.	-7113 Jan 22 j 05:07	9° II 45'56	29.25938 AU	morning rise	-7107 Aug 24 j 11:14	24° II 31'36	
direct	-7113 Apr 12 j 16:23	8° II 22'39		retrograde	-7107 Nov 19 j 03:34	26° II 24'18	
evening set	-7113 Jul 12 j 09:15	10° II 19'02		opposition	-7106 Feb 05 j 18:55	25° II 02'25	2°03'03
				min. Earth dist.	-7106 Feb 06 j 13:21	25° II 01'10	29.28405 AU
conjunction	-7113 Jul 27 j 20:53	10° II 53'38	1°29'27	direct	-7106 Apr 28 j 06:06	23° II 37'56	
minimum elong	-7113 Jul 27 j 20:52	10° II 53'38	1°29'53	evening set	-7106 Jul 27 j 08:59	25° II 33'59	
max. Earth dist.	-7113 Jul 26 j 22:04	10° II 51'29	31.25915 AU				
morning rise	-7113 Aug 12 j 05:02	11° II 27'58		conjunction	-7106 Aug 11 j 15:58	26° II 08'17	1°56'54
retrograde	-7113 Nov 06 j 14:37	13° II 20'11		minimum elong	-7106 Aug 11 j 15:58	26° II 08'17	1°57'23
opposition	-7112 Jan 23 j 18:08	11° II 58'20	1°37'53	max. Earth dist.	-7106 Aug 10 j 21:51	26° II 06'34	31.28442 AU
min. Earth dist.	-7112 Jan 24 j 16:01	11° II 56'51	29.26093 AU	morning rise	-7106 Aug 26 j 20:18	26° II 42'21	
direct	-7112 Apr 14 j 06:27	10° II 33'30		retrograde	-7106 Nov 21 j 14:20	28° II 35'10	
evening set	-7112 Jul 13 j 19:46	12° II 29'49		opposition	-7105 Feb 08 j 07:21	27° II 13'17	2°06'39
max. Earth dist.	-7112 Jul 28 j 07:45	13° II 02'14	31.26089 AU	min. Earth dist.	-7105 Feb 09 j 00:19	27° II 12'08	29.28728 AU
				direct	-7105 Apr 30 j 17:38	25° II 48'52	
conjunction	-7112 Jul 29 j 06:36	13° II 04'22	1°33'48	evening set	-7105 Jul 29 j 18:59	27° II 44'51	
minimum elong	-7112 Jul 29 j 06:36	13° II 04'22	1°34'15	max. Earth dist.	-7105 Aug 13 j 07:31	28° II 17'25	31.28695 AU
morning rise	-7112 Aug 13 j 14:16	13° II 38'40					
retrograde	-7112 Nov 08 j 01:57	15° II 30'55		conjunction	-7105 Aug 14 j 01:21	28° II 19'06	2°00'11

Attention, astronomical year style is used: The year -7105 in astronomical counting style is the year 7106 BCE in historical counting style.

minimum elong	-7105 Aug 14 j 01:21	28°II19'06	2°00'39	min. Earth dist.	-7098 Feb 24 j 11:05	12°☾27'21	29.28426 AU
morning rise	-7105 Aug 29 j 05:12	28°II53'09		direct	-7098 May 16 j 06:35	11°☾03'58	
	-7105 Oct 02 j 01:44	0°☾		evening set	-7098 Aug 13 j 14:54	12°☾59'27	
retrograde	-7105 Nov 24 j 01:29	0°☾46'05					
	-7104 Jan 18 j 23:09	30°KII		conjunction	-7098 Aug 28 j 17:47	13°☾33'27	2°18'11
opposition	-7104 Feb 10 j 19:56	29°II24'10	2°10'05	minimum elong	-7098 Aug 28 j 17:47	13°☾33'27	2°18'40
min. Earth dist.	-7104 Feb 11 j 13:15	29°II22'59	29.28934 AU	max. Earth dist.	-7098 Aug 28 j 05:53	13°☾32'19	31.28245 AU
direct	-7104 May 02 j 04:34	27°II59'48		morning rise	-7098 Sep 12 j 18:56	14°☾07'19	
evening set	-7104 Jul 31 j 05:01	29°II55'44		retrograde	-7098 Dec 09 j 03:33	16°☾00'57	
	-7104 Aug 02 j 03:23	0°☾		opposition	-7097 Feb 26 j 12:06	14°☾38'40	2°28'38
				min. Earth dist.	-7097 Feb 26 j 23:45	14°☾37'53	29.28460 AU
conjunction	-7104 Aug 15 j 10:54	0°☾29'56	2°03'19	direct	-7097 May 18 j 17:27	13°☾14'35	
minimum elong	-7104 Aug 15 j 10:53	0°☾29'56	2°03'47	evening set	-7097 Aug 16 j 00:10	15°☾09'59	
max. Earth dist.	-7104 Aug 14 j 18:09	0°☾28'22	31.28828 AU				
morning rise	-7104 Aug 30 j 14:14	1°☾03'57		conjunction	-7097 Aug 31 j 02:40	15°☾43'58	2°19'59
retrograde	-7104 Nov 25 j 12:27	2°☾56'58		minimum elong	-7097 Aug 31 j 02:40	15°☾43'58	2°20'27
opposition	-7103 Feb 12 j 08:18	1°☾35'01	2°13'20	max. Earth dist.	-7097 Aug 30 j 15:53	15°☾42'56	31.28326 AU
min. Earth dist.	-7103 Feb 13 j 00:43	1°☾33'55	29.28994 AU	morning rise	-7097 Sep 15 j 03:35	16°☾17'49	
direct	-7103 May 04 j 17:27	0°☾10'41		retrograde	-7097 Dec 11 j 14:19	18°☾11'35	
evening set	-7103 Aug 02 j 15:04	2°☾06'34		opposition	-7096 Feb 29 j 00:46	16°☾49'18	2°30'27
				min. Earth dist.	-7096 Feb 29 j 10:22	16°☾48'39	29.28568 AU
conjunction	-7103 Aug 17 j 20:17	2°☾40'44	2°06'15	direct	-7096 May 20 j 04:39	15°☾25'17	
minimum elong	-7103 Aug 17 j 20:16	2°☾40'44	2°06'43	evening set	-7096 Aug 17 j 09:34	17°☾20'38	
max. Earth dist.	-7103 Aug 17 j 03:08	2°☾39'07	31.28820 AU				
morning rise	-7103 Sep 01 j 23:17	3°☾14'43		conjunction	-7096 Sep 01 j 11:38	17°☾54'36	2°21'36
retrograde	-7103 Nov 28 j 00:25	5°☾07'50		minimum elong	-7096 Sep 01 j 11:38	17°☾54'36	2°22'04
opposition	-7102 Feb 14 j 20:53	3°☾45'49	2°16'23	max. Earth dist.	-7096 Sep 01 j 01:28	17°☾53'38	31.28451 AU
min. Earth dist.	-7102 Feb 15 j 12:51	3°☾44'45	29.28941 AU	morning rise	-7096 Sep 16 j 12:22	18°☾28'27	
direct	-7102 May 07 j 04:12	2°☾21'31		retrograde	-7096 Dec 13 j 01:42	20°☾22'22	
evening set	-7102 Aug 05 j 00:44	4°☾17'19		opposition	-7095 Mar 02 j 13:27	19°☾00'04	2°32'03
				min. Earth dist.	-7095 Mar 02 j 22:59	18°☾59'26	29.28713 AU
conjunction	-7102 Aug 20 j 05:34	4°☾51'27	2°09'01	direct	-7095 May 22 j 14:46	17°☾36'09	
minimum elong	-7102 Aug 20 j 05:34	4°☾51'27	2°09'30	evening set	-7095 Aug 19 j 18:53	19°☾31'27	
max. Earth dist.	-7102 Aug 19 j 14:06	4°☾49'59	31.28710 AU				
morning rise	-7102 Sep 04 j 08:02	5°☾25'24		conjunction	-7095 Sep 03 j 20:42	20°☾05'24	2°23'00
retrograde	-7102 Nov 30 j 10:07	7°☾18'37		minimum elong	-7095 Sep 03 j 20:42	20°☾05'23	2°23'27
opposition	-7101 Feb 17 j 09:35	5°☾56'32	2°19'14	max. Earth dist.	-7095 Sep 03 j 12:12	20°☾04'35	31.28590 AU
min. Earth dist.	-7101 Feb 18 j 01:03	5°☾55'30	29.28792 AU	morning rise	-7095 Sep 18 j 21:07	20°☾39'14	
direct	-7101 May 09 j 17:43	4°☾32'16		retrograde	-7095 Dec 15 j 13:05	22°☾33'18	
evening set	-7101 Aug 07 j 10:31	6°☾27'58		opposition	-7094 Mar 05 j 02:20	21°☾11'00	2°33'27
				min. Earth dist.	-7094 Mar 05 j 10:33	21°☾10'27	29.28826 AU
conjunction	-7101 Aug 22 j 14:41	7°☾02'04	2°11'36	direct	-7094 May 25 j 02:16	19°☾47'10	
minimum elong	-7101 Aug 22 j 14:41	7°☾02'03	2°12'04	evening set	-7094 Aug 22 j 04:15	21°☾42'25	
max. Earth dist.	-7101 Aug 21 j 22:59	7°☾00'35	31.28543 AU				
morning rise	-7101 Sep 06 j 16:56	7°☾35'59		conjunction	-7094 Sep 06 j 05:35	22°☾16'20	2°24'11
retrograde	-7101 Dec 02 j 22:02	9°☾29'17		minimum elong	-7094 Sep 06 j 05:35	22°☾16'20	2°24'40
opposition	-7100 Feb 19 j 22:05	8°☾07'08	2°21'53	max. Earth dist.	-7094 Sep 05 j 21:00	22°☾15'31	31.28671 AU
min. Earth dist.	-7100 Feb 20 j 12:10	8°☾06'11	29.28630 AU	morning rise	-7094 Sep 21 j 05:57	22°☾50'10	
direct	-7100 May 11 j 06:06	6°☾42'53		retrograde	-7094 Dec 18 j 01:43	24°☾44'24	
evening set	-7100 Aug 08 j 19:56	8°☾38'30		opposition	-7093 Mar 07 j 15:22	23°☾22'04	2°34'37
				min. Earth dist.	-7093 Mar 07 j 22:55	23°☾21'34	29.28878 AU
conjunction	-7100 Aug 23 j 23:48	9°☾12'34	2°13'59	direct	-7093 May 27 j 11:48	21°☾58'19	
minimum elong	-7100 Aug 23 j 23:48	9°☾12'34	2°14'29	evening set	-7093 Aug 24 j 13:34	23°☾53'30	
max. Earth dist.	-7100 Aug 23 j 10:02	9°☾11'16	31.28376 AU				
morning rise	-7100 Sep 08 j 01:34	9°☾46'28		conjunction	-7093 Sep 08 j 14:47	24°☾27'24	2°25'11
retrograde	-7100 Dec 04 j 07:52	11°☾39'52		minimum elong	-7093 Sep 08 j 14:47	24°☾27'24	2°25'37
opposition	-7099 Feb 21 j 10:46	10°☾17'40	2°24'21	max. Earth dist.	-7093 Sep 08 j 07:56	24°☾26'45	31.28660 AU
min. Earth dist.	-7099 Feb 22 j 00:43	10°☾16'43	29.28488 AU	morning rise	-7093 Sep 23 j 14:50	25°☾01'14	
direct	-7099 May 13 j 18:43	8°☾53'26		retrograde	-7093 Dec 20 j 12:40	26°☾55'36	
evening set	-7099 Aug 11 j 05:29	10°☾48'59		opposition	-7092 Mar 09 j 04:21	25°☾33'14	2°35'33
				min. Earth dist.	-7092 Mar 09 j 11:26	25°☾32'46	29.28803 AU
conjunction	-7099 Aug 26 j 08:44	11°☾23'00	2°16'11	direct	-7092 May 29 j 00:49	24°☾09'33	
minimum elong	-7099 Aug 26 j 08:44	11°☾23'00	2°16'39	evening set	-7092 Aug 25 j 23:01	26°☾04'40	
max. Earth dist.	-7099 Aug 25 j 19:22	11°☾21'44	31.28268 AU				
morning rise	-7099 Sep 10 j 10:16	11°☾56'53		conjunction	-7092 Sep 09 j 23:50	26°☾38'33	2°25'57
retrograde	-7099 Dec 06 j 17:54	13°☾50'23		minimum elong	-7092 Sep 09 j 23:50	26°☾38'33	2°26'25
opposition	-7098 Feb 23 j 23:16	12°☾28'09	2°26'36	max. Earth dist.	-7092 Sep 09 j 16:33	26°☾37'51	31.28518 AU

Attention, astronomical year style is used: The year -7092 in astronomical counting style is the year 7093 BCE in historical counting style.

morning rise	-7092 Sep 24 j 23:56	27° $\overline{00}$ 12'22		direct	-7085 Jun 14 j 11:45	9° $\overline{00}$ 26'31	
retrograde	-7092 Dec 22 j 02:06	29° $\overline{00}$ 06'52		evening set	-7085 Sep 10 j 14:40	11° $\overline{00}$ 20'51	
opposition	-7091 Mar 11 j 17:21	27° $\overline{00}$ 44'26	2°36'17				
min. Earth dist.	-7091 Mar 11 j 23:14	27° $\overline{00}$ 44'03	29.28589 AU	conjunction	-7085 Sep 25 j 14:39	11° $\overline{00}$ 54'41	2°25'34
direct	-7091 May 31 j 12:50	26° $\overline{00}$ 20'48		minimum elong	-7085 Sep 25 j 14:40	11° $\overline{00}$ 54'41	2°25'57
evening set	-7091 Aug 28 j 08:17	28° $\overline{00}$ 15'50		max. Earth dist.	-7085 Sep 25 j 14:05	11° $\overline{00}$ 54'38	31.25080 AU
				morning rise	-7085 Oct 10 j 14:57	12° $\overline{00}$ 28'33	
conjunction	-7091 Sep 12 j 09:00	28° $\overline{00}$ 49'42	2°26'32	retrograde	-7084 Jan 07 j 06:44	14° $\overline{00}$ 23'49	
minimum elong	-7091 Sep 12 j 09:00	28° $\overline{00}$ 49'42	2°26'58	opposition	-7084 Mar 27 j 12:42	13° $\overline{00}$ 00'49	2°35'05
max. Earth dist.	-7091 Sep 12 j 03:13	28° $\overline{00}$ 49'09	31.28215 AU	min. Earth dist.	-7084 Mar 27 j 11:54	13° $\overline{00}$ 00'52	29.25089 AU
morning rise	-7091 Sep 27 j 08:52	29° $\overline{00}$ 23'31		direct	-7084 Jun 15 j 20:46	11° $\overline{00}$ 37'22	
	-7091 Oct 14 j 13:43	0° $\overline{00}$		evening set	-7084 Sep 11 j 23:30	13° $\overline{00}$ 31'38	
retrograde	-7091 Dec 24 j 12:37	1° $\overline{00}$ 18'07					
	-7090 Mar 11 j 13:29	30° $\overline{00}$ 18'07		conjunction	-7084 Sep 26 j 23:42	14° $\overline{00}$ 05'28	2°24'40
opposition	-7090 Mar 14 j 06:30	29° $\overline{00}$ 55'38	2°36'47	minimum elong	-7084 Sep 26 j 23:42	14° $\overline{00}$ 05'28	2°25'04
min. Earth dist.	-7090 Mar 14 j 12:33	29° $\overline{00}$ 55'13	29.28210 AU	max. Earth dist.	-7084 Sep 27 j 01:14	14° $\overline{00}$ 05'37	31.24719 AU
direct	-7090 Jun 03 j 01:07	28° $\overline{00}$ 32'01		morning rise	-7084 Oct 11 j 24:00	14° $\overline{00}$ 39'21	
	-7090 Aug 18 j 04:48	0° $\overline{00}$			-7084 Oct 21 j 12:12	15° $\overline{00}$	
evening set	-7090 Aug 30 j 17:37	0° $\overline{00}$ 26'56		retrograde	-7083 Jan 08 j 18:04	16° $\overline{00}$ 34'46	
				opposition	-7083 Mar 30 j 01:47	15° $\overline{00}$ 11'44	2°34'01
conjunction	-7090 Sep 14 j 18:03	1° $\overline{00}$ 00'47	2°26'54	min. Earth dist.	-7083 Mar 30 j 00:03	15° $\overline{00}$ 11'51	29.24740 AU
minimum elong	-7090 Sep 14 j 18:03	1° $\overline{00}$ 00'47	2°27'21		-7083 Apr 06 j 08:24	15° $\overline{00}$ 18'00	
max. Earth dist.	-7090 Sep 14 j 12:27	1° $\overline{00}$ 00'15	31.27781 AU	direct	-7083 Jun 18 j 08:55	13° $\overline{00}$ 48'22	
morning rise	-7090 Sep 29 j 17:59	1° $\overline{00}$ 34'37			-7083 Aug 25 j 01:22	15° $\overline{00}$	
retrograde	-7090 Dec 26 j 23:40	3° $\overline{00}$ 29'19		evening set	-7083 Sep 14 j 08:27	15° $\overline{00}$ 42'34	
opposition	-7089 Mar 16 j 19:33	2° $\overline{00}$ 06'44	2°37'04				
min. Earth dist.	-7089 Mar 16 j 23:48	2° $\overline{00}$ 06'27	29.27713 AU	conjunction	-7083 Sep 29 j 08:31	16° $\overline{00}$ 16'25	2°23'34
direct	-7089 Jun 05 j 13:44	0° $\overline{00}$ 43'08		minimum elong	-7083 Sep 29 j 08:31	16° $\overline{00}$ 16'25	2°23'55
evening set	-7089 Sep 02 j 02:41	2° $\overline{00}$ 37'55		max. Earth dist.	-7083 Sep 29 j 10:11	16° $\overline{00}$ 16'35	31.24394 AU
				morning rise	-7083 Oct 14 j 09:09	16° $\overline{00}$ 50'20	
conjunction	-7089 Sep 17 j 03:03	3° $\overline{00}$ 11'46	2°27'03	retrograde	-7082 Jan 11 j 08:11	18° $\overline{00}$ 45'54	
minimum elong	-7089 Sep 17 j 03:03	3° $\overline{00}$ 11'46	2°27'28	opposition	-7082 Apr 01 j 14:54	17° $\overline{00}$ 22'50	2°32'43
max. Earth dist.	-7089 Sep 16 j 22:29	3° $\overline{00}$ 11'20	31.27229 AU	min. Earth dist.	-7082 Apr 01 j 11:36	17° $\overline{00}$ 23'03	29.24416 AU
morning rise	-7089 Oct 02 j 02:57	3° $\overline{00}$ 45'36		direct	-7082 Jun 20 j 19:42	15° $\overline{00}$ 59'33	
retrograde	-7089 Dec 29 j 09:55	5° $\overline{00}$ 40'24		evening set	-7082 Sep 16 j 17:23	17° $\overline{00}$ 53'42	
opposition	-7088 Mar 18 j 08:42	4° $\overline{00}$ 17'42	2°37'07				
min. Earth dist.	-7088 Mar 18 j 13:06	4° $\overline{00}$ 17'25	29.27131 AU	conjunction	-7082 Oct 01 j 17:39	18° $\overline{00}$ 27'34	2°22'14
direct	-7088 Jun 07 j 01:44	2° $\overline{00}$ 54'07		minimum elong	-7082 Oct 01 j 17:39	18° $\overline{00}$ 27'34	2°22'37
evening set	-7088 Sep 03 j 11:45	4° $\overline{00}$ 48'47		max. Earth dist.	-7082 Oct 01 j 21:04	18° $\overline{00}$ 27'53	31.24057 AU
				morning rise	-7082 Oct 16 j 18:23	19° $\overline{00}$ 01'30	
conjunction	-7088 Sep 18 j 12:01	5° $\overline{00}$ 22'37	2°27'00	retrograde	-7081 Jan 13 j 19:42	20° $\overline{00}$ 57'14	
minimum elong	-7088 Sep 18 j 12:01	5° $\overline{00}$ 22'37	2°27'25	opposition	-7081 Apr 04 j 04:11	19° $\overline{00}$ 34'08	2°31'12
max. Earth dist.	-7088 Sep 18 j 08:33	5° $\overline{00}$ 22'17	31.26633 AU	min. Earth dist.	-7081 Apr 04 j 00:51	19° $\overline{00}$ 34'21	29.24055 AU
morning rise	-7088 Oct 03 j 11:56	5° $\overline{00}$ 56'26		direct	-7081 Jun 23 j 06:52	18° $\overline{00}$ 10'56	
retrograde	-7088 Dec 30 j 20:26	7° $\overline{00}$ 51'20		evening set	-7081 Sep 19 j 02:24	20° $\overline{00}$ 05'01	
opposition	-7087 Mar 20 j 21:30	6° $\overline{00}$ 28'33	2°36'57				
min. Earth dist.	-7087 Mar 20 j 23:54	6° $\overline{00}$ 28'23	29.26525 AU	conjunction	-7081 Oct 04 j 02:43	20° $\overline{00}$ 38'54	2°20'43
direct	-7087 Jun 09 j 14:03	5° $\overline{00}$ 04'58		minimum elong	-7081 Oct 04 j 02:44	20° $\overline{00}$ 38'54	2°21'03
evening set	-7087 Sep 05 j 20:49	6° $\overline{00}$ 59'30		max. Earth dist.	-7081 Oct 04 j 06:35	20° $\overline{00}$ 39'15	31.23672 AU
				morning rise	-7081 Oct 19 j 03:47	21° $\overline{00}$ 12'51	
conjunction	-7087 Sep 20 j 20:54	7° $\overline{00}$ 33'20	2°26'44	retrograde	-7080 Jan 16 j 08:06	23° $\overline{00}$ 08'44	
minimum elong	-7087 Sep 20 j 20:54	7° $\overline{00}$ 33'20	2°27'07	opposition	-7080 Apr 05 j 17:20	21° $\overline{00}$ 45'37	2°29'27
max. Earth dist.	-7087 Sep 20 j 18:02	7° $\overline{00}$ 33'04	31.26038 AU	min. Earth dist.	-7080 Apr 05 j 12:14	21° $\overline{00}$ 45'57	29.23616 AU
morning rise	-7087 Oct 05 j 20:56	8° $\overline{00}$ 07'11		direct	-7080 Jun 24 j 19:05	20° $\overline{00}$ 22'29	
retrograde	-7086 Jan 02 j 07:20	10° $\overline{00}$ 02'11		evening set	-7080 Sep 20 j 11:33	22° $\overline{00}$ 16'29	
opposition	-7086 Mar 23 j 10:40	8° $\overline{00}$ 39'18	2°36'33				
min. Earth dist.	-7086 Mar 23 j 12:41	8° $\overline{00}$ 39'10	29.25967 AU	conjunction	-7080 Oct 05 j 11:59	22° $\overline{00}$ 50'24	2°18'59
direct	-7086 Jun 12 j 00:17	7° $\overline{00}$ 15'44		minimum elong	-7080 Oct 05 j 12:00	22° $\overline{00}$ 50'24	2°19'19
evening set	-7086 Sep 08 j 05:38	9° $\overline{00}$ 10'10		max. Earth dist.	-7080 Oct 05 j 16:33	22° $\overline{00}$ 50'49	31.23167 AU
				morning rise	-7080 Oct 20 j 13:19	23° $\overline{00}$ 24'23	
conjunction	-7086 Sep 23 j 05:47	9° $\overline{00}$ 44'00	2°26'15	retrograde	-7079 Jan 17 j 19:47	25° $\overline{00}$ 20'25	
minimum elong	-7086 Sep 23 j 05:47	9° $\overline{00}$ 44'00	2°26'39	opposition	-7079 Apr 08 j 06:33	23° $\overline{00}$ 57'14	2°27'30
max. Earth dist.	-7086 Sep 23 j 05:01	9° $\overline{00}$ 43'56	31.25518 AU	min. Earth dist.	-7079 Apr 08 j 01:49	23° $\overline{00}$ 57'33	29.23049 AU
morning rise	-7086 Oct 08 j 05:47	10° $\overline{00}$ 17'51		direct	-7079 Jun 27 j 06:51	22° $\overline{00}$ 34'09	
retrograde	-7085 Jan 04 j 17:59	12° $\overline{00}$ 12'59		evening set	-7079 Sep 22 j 20:41	24° $\overline{00}$ 28'05	
opposition	-7085 Mar 25 j 23:44	10° $\overline{00}$ 50'02	2°35'56				
min. Earth dist.	-7085 Mar 25 j 23:59	10° $\overline{00}$ 50'01	29.25480 AU	conjunction	-7079 Oct 07 j 21:21	25° $\overline{00}$ 02'00	2°17'03

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Attention, astronomical year style is used: The year -7079 in astronomical counting style is the year 7080 BCE in historical counting style.

minimum elong	-7079 Oct 07 j 21:21	25°Ω02'00	2°17'21	opposition	-7072 Apr 24 j 02:30	9°♊18'03	2°08'04
max. Earth dist.	-7079 Oct 08 j 02:52	25°Ω02'32	31.22542 AU	min. Earth dist.	-7072 Apr 23 j 15:10	9°♊18'49	29.16933 AU
morning rise	-7079 Oct 22 j 22:55	25°Ω36'02		direct	-7072 Jul 12 j 11:32	7°♊55'03	
retrograde	-7078 Jan 20 j 07:25	27°Ω32'11		evening set	-7072 Oct 07 j 11:43	9°♊48'12	
opposition	-7078 Apr 10 j 19:48	26°Ω08'56	2°25'20				
min. Earth dist.	-7078 Apr 10 j 13:19	26°Ω09'22	29.22339 AU	conjunction	-7072 Oct 22 j 14:24	10°♊22'17	1°58'13
direct	-7078 Jun 29 j 19:19	24°Ω45'54		minimum elong	-7072 Oct 22 j 14:25	10°♊22'17	1°58'26
evening set	-7078 Sep 25 j 05:47	26°Ω39'43		max. Earth dist.	-7072 Oct 23 j 02:23	10°♊23'25	31.16452 AU
				morning rise	-7072 Nov 06 j 19:01	10°♊56'34	
conjunction	-7078 Oct 10 j 06:33	27°Ω13'39	2°14'55	retrograde	-7071 Feb 04 j 18:55	12°♊53'25	
minimum elong	-7078 Oct 10 j 06:34	27°Ω13'39	2°15'14	opposition	-7071 Apr 26 j 15:19	11°♊29'29	2°04'31
max. Earth dist.	-7078 Oct 10 j 12:07	27°Ω14'11	31.21765 AU	min. Earth dist.	-7071 Apr 26 j 01:57	11°♊30'23	29.16260 AU
morning rise	-7078 Oct 25 j 08:36	27°Ω47'44		direct	-7071 Jul 14 j 23:38	10°♊06'31	
retrograde	-7077 Jan 22 j 18:29	29°Ω44'00		evening set	-7071 Oct 09 j 20:46	11°♊59'36	
opposition	-7077 Apr 13 j 09:11	28°Ω20'39	2°22'57				
min. Earth dist.	-7077 Apr 13 j 02:50	28°Ω21'05	29.21498 AU	conjunction	-7071 Oct 24 j 23:48	12°♊33'43	1°54'48
direct	-7077 Jul 02 j 05:44	26°Ω57'38		minimum elong	-7071 Oct 24 j 23:49	12°♊33'43	1°54'59
evening set	-7077 Sep 27 j 14:49	28°Ω51'20		max. Earth dist.	-7071 Oct 25 j 12:46	12°♊34'57	31.15823 AU
				morning rise	-7071 Nov 09 j 04:59	13°♊08'03	
conjunction	-7077 Oct 12 j 16:00	29°Ω25'17	2°12'36	retrograde	-7070 Feb 07 j 07:49	15°♊05'01	
minimum elong	-7077 Oct 12 j 16:01	29°Ω25'18	2°12'53	opposition	-7070 Apr 29 j 04:28	13°♊41'02	2°00'46
max. Earth dist.	-7077 Oct 12 j 23:15	29°Ω25'59	31.20872 AU	min. Earth dist.	-7070 Apr 28 j 15:05	13°♊41'56	29.15664 AU
morning rise	-7077 Oct 27 j 18:18	29°Ω59'23		direct	-7070 Jul 17 j 10:53	12°♊18'08	
	-7077 Oct 28 j 00:57	0°♊		evening set	-7070 Oct 12 j 05:45	14°♊11'08	
retrograde	-7076 Jan 25 j 04:47	1°♊55'45					
opposition	-7076 Apr 14 j 22:12	0°♊32'18	2°20'22	conjunction	-7070 Oct 27 j 09:18	14°♊45'18	1°51'13
min. Earth dist.	-7076 Apr 14 j 14:36	0°♊32'49	29.20544 AU	minimum elong	-7070 Oct 27 j 09:19	14°♊45'18	1°51'24
	-7076 May 05 j 09:16	30°♋Ω		max. Earth dist.	-7070 Oct 27 j 23:42	14°♊46'39	31.15263 AU
direct	-7076 Jul 03 j 17:22	29°Ω09'16		morning rise	-7070 Nov 11 j 14:57	15°♊19'40	
	-7076 Aug 28 j 15:27	0°♊		retrograde	-7069 Feb 09 j 19:58	17°♊16'46	
evening set	-7076 Sep 28 j 23:56	1°♊02'51		opposition	-7069 May 01 j 17:28	15°♊52'45	1°56'50
				min. Earth dist.	-7069 May 01 j 02:12	15°♊53'47	29.15099 AU
conjunction	-7076 Oct 14 j 01:13	1°♊36'50	2°10'06	direct	-7069 Jul 19 j 23:00	14°♊29'54	
minimum elong	-7076 Oct 14 j 01:14	1°♊36'50	2°10'23	evening set	-7069 Oct 14 j 15:06	16°♊22'50	
max. Earth dist.	-7076 Oct 14 j 08:17	1°♊37'30	31.19897 AU				
morning rise	-7076 Oct 29 j 04:06	2°♊10'58		conjunction	-7069 Oct 29 j 18:57	16°♊57'02	1°47'28
retrograde	-7075 Jan 26 j 17:33	4°♊07'25		minimum elong	-7069 Oct 29 j 18:58	16°♊57'02	1°47'37
opposition	-7075 Apr 17 j 11:21	2°♊43'51	2°17'35	max. Earth dist.	-7069 Oct 30 j 09:25	16°♊58'24	31.14700 AU
min. Earth dist.	-7075 Apr 17 j 03:02	2°♊44'25	29.19558 AU	morning rise	-7069 Nov 14 j 01:18	17°♊31'28	
direct	-7075 Jul 06 j 02:53	1°♊20'49		retrograde	-7068 Feb 12 j 07:51	19°♊28'41	
evening set	-7075 Oct 01 j 08:44	3°♊14'16		opposition	-7068 May 03 j 06:26	18°♊04'37	1°52'44
				min. Earth dist.	-7068 May 02 j 15:23	18°♊05'38	29.14523 AU
conjunction	-7075 Oct 16 j 10:27	3°♊48'16	2°07'24	direct	-7068 Jul 21 j 09:01	16°♊41'50	
minimum elong	-7075 Oct 16 j 10:28	3°♊48'16	2°07'39	evening set	-7068 Oct 16 j 00:24	18°♊34'42	
max. Earth dist.	-7075 Oct 16 j 19:35	3°♊49'08	31.18912 AU				
morning rise	-7075 Oct 31 j 13:35	4°♊22'26		conjunction	-7068 Oct 31 j 04:51	19°♊08'56	1°43'33
retrograde	-7074 Jan 29 j 04:26	6°♊18'59		minimum elong	-7068 Oct 31 j 04:52	19°♊08'57	1°43'42
opposition	-7074 Apr 20 j 00:28	4°♊55'18	2°14'37	max. Earth dist.	-7068 Oct 31 j 20:59	19°♊10'28	31.14100 AU
min. Earth dist.	-7074 Apr 19 j 15:10	4°♊55'56	29.18586 AU	morning rise	-7068 Nov 15 j 11:36	19°♊43'25	
direct	-7074 Jul 08 j 15:04	3°♊32'16		retrograde	-7067 Feb 13 j 19:01	21°♊40'45	
evening set	-7074 Oct 03 j 17:48	5°♊25'36		opposition	-7067 May 05 j 19:27	20°♊16'39	1°48'28
				min. Earth dist.	-7067 May 05 j 03:17	20°♊17'45	29.13871 AU
conjunction	-7074 Oct 18 j 19:42	5°♊59'37	2°04'31	direct	-7067 Jul 23 j 20:48	18°♊53'55	
minimum elong	-7074 Oct 18 j 19:43	5°♊59'37	2°04'46	evening set	-7067 Oct 18 j 09:51	20°♊46'43	
max. Earth dist.	-7074 Oct 19 j 05:03	6°♊00'30	31.17991 AU				
morning rise	-7074 Nov 02 j 23:24	6°♊33'49		conjunction	-7067 Nov 02 j 14:35	21°♊21'00	1°39'29
retrograde	-7073 Jan 31 j 18:21	8°♊30'28		minimum elong	-7067 Nov 02 j 14:36	21°♊21'00	1°39'36
opposition	-7073 Apr 22 j 13:27	7°♊06'41	2°11'26	max. Earth dist.	-7067 Nov 03 j 06:16	21°♊22'29	31.13408 AU
min. Earth dist.	-7073 Apr 22 j 02:28	7°♊07'25	29.17712 AU	morning rise	-7067 Nov 17 j 22:05	21°♊55'32	
direct	-7073 Jul 11 j 01:00	5°♊43'38		retrograde	-7066 Feb 16 j 08:31	23°♊53'00	
evening set	-7073 Oct 06 j 02:42	7°♊36'53		opposition	-7066 May 08 j 08:38	22°♊28'50	1°44'02
				min. Earth dist.	-7066 May 07 j 16:08	22°♊29'57	29.13124 AU
conjunction	-7073 Oct 21 j 05:02	8°♊10'56	2°01'28	direct	-7066 Jul 26 j 06:22	21°♊06'08	
minimum elong	-7073 Oct 21 j 05:03	8°♊10'56	2°01'40	evening set	-7066 Oct 20 j 19:21	22°♊58'52	
max. Earth dist.	-7073 Oct 21 j 16:13	8°♊12'00	31.17164 AU				
morning rise	-7073 Nov 05 j 09:09	8°♊45'11		conjunction	-7066 Nov 05 j 00:44	23°♊33'11	1°35'16
retrograde	-7072 Feb 03 j 05:34	10°♊41'56		minimum elong	-7066 Nov 05 j 00:45	23°♊33'11	1°35'23

Attention, astronomical year style is used: The year -7066 in astronomical counting style is the year 7067 BCE in historical counting style.

max. Earth dist.	-7066 Nov 05 j 17:52	23° <u>൬</u> 34'48	31.12599 AU	retrograde	-7059 Mar 04 j 01:20	9° <u>൧</u> 19'19	
morning rise	-7066 Nov 20 j 08:42	24° <u>൬</u> 07'46		min. Earth dist.	-7059 May 23 j 05:38	7° <u>൧</u> 56'02	29.06487 AU
retrograde	-7065 Feb 18 j 19:40	26° <u>൬</u> 05'19		opposition	-7059 May 24 j 02:31	7° <u>൧</u> 54'36	1°09'11
opposition	-7065 May 10 j 21:39	24° <u>൬</u> 41'06	1°39'27	direct	-7059 Aug 10 j 12:14	6° <u>൧</u> 31'54	
min. Earth dist.	-7065 May 10 j 04:47	24° <u>൬</u> 42'15	29.12244 AU	evening set	-7059 Nov 04 j 14:46	8° <u>൧</u> 24'08	
direct	-7065 Jul 28 j 17:58	23° <u>൬</u> 18'24					
evening set	-7065 Oct 23 j 04:59	25° <u>൬</u> 11'03		conjunction	-7059 Nov 19 j 23:58	8° <u>൧</u> 58'46	1°02'15
				minimum elong	-7059 Nov 19 j 23:59	8° <u>൧</u> 58'46	1°02'13
conjunction	-7065 Nov 07 j 10:48	25° <u>൬</u> 45'25	1°30'55	max. Earth dist.	-7059 Nov 20 j 22:27	9° <u>൧</u> 00'53	31.06077 AU
minimum elong	-7065 Nov 07 j 10:49	25° <u>൬</u> 45'25	1°31'00	morning rise	-7059 Dec 05 j 12:25	9° <u>൧</u> 33'43	
max. Earth dist.	-7065 Nov 08 j 03:32	25° <u>൬</u> 47'00	31.11677 AU	retrograde	-7058 Mar 06 j 13:16	11° <u>൧</u> 31'49	
morning rise	-7065 Nov 22 j 19:31	26° <u>൬</u> 20'03		opposition	-7058 May 26 j 15:11	10° <u>൧</u> 07'04	1°03'43
retrograde	-7064 Feb 21 j 09:41	28° <u>൬</u> 17'41		min. Earth dist.	-7058 May 25 j 16:58	10° <u>൧</u> 08'35	29.05806 AU
opposition	-7064 May 12 j 10:37	26° <u>൬</u> 53'22	1°34'44	direct	-7058 Aug 13 j 00:21	8° <u>൧</u> 44'24	
min. Earth dist.	-7064 May 11 j 16:47	26° <u>൬</u> 54'35	29.11260 AU	evening set	-7058 Nov 07 j 00:47	10° <u>൧</u> 36'36	
direct	-7064 Jul 30 j 03:51	25° <u>൬</u> 30'40					
evening set	-7064 Oct 24 j 14:31	27° <u>൬</u> 23'14		conjunction	-7058 Nov 22 j 10:25	11° <u>൧</u> 11'17	0°57'05
				minimum elong	-7058 Nov 22 j 10:25	11° <u>൧</u> 11'17	0°57'04
conjunction	-7064 Nov 08 j 20:53	27° <u>൬</u> 57'38	1°26'26	max. Earth dist.	-7058 Nov 23 j 08:34	11° <u>൧</u> 13'22	31.05448 AU
minimum elong	-7064 Nov 08 j 20:54	27° <u>൬</u> 57'38	1°26'30	morning rise	-7058 Dec 07 j 23:42	11° <u>൧</u> 46'18	
max. Earth dist.	-7064 Nov 09 j 14:48	27° <u>൬</u> 59'20	31.10648 AU	retrograde	-7057 Mar 09 j 02:42	13° <u>൧</u> 44'29	
morning rise	-7064 Nov 24 j 06:09	28° <u>൬</u> 32'20		min. Earth dist.	-7057 May 28 j 05:18	12° <u>൧</u> 21'15	29.05209 AU
	-7063 Jan 10 j 11:50	0° <u>൧</u>		opposition	-7057 May 29 j 03:48	12° <u>൧</u> 19'43	0°58'09
retrograde	-7063 Feb 22 j 21:08	0° <u>൧</u> 30'03		direct	-7057 Aug 15 j 09:49	10° <u>൧</u> 57'06	
	-7063 Apr 08 j 19:30	30° <u>൬</u>		evening set	-7057 Nov 09 j 10:50	12° <u>൧</u> 49'17	
opposition	-7063 May 14 j 23:33	29° <u>൬</u> 05'38	1°29'52				
min. Earth dist.	-7063 May 14 j 05:55	29° <u>൬</u> 06'50	29.10199 AU	conjunction	-7057 Nov 24 j 21:11	13° <u>൧</u> 24'00	0°51'51
direct	-7063 Aug 01 j 14:20	27° <u>൬</u> 42'55		minimum elong	-7057 Nov 24 j 21:11	13° <u>൧</u> 24'00	0°51'47
evening set	-7063 Oct 27 j 00:05	29° <u>൬</u> 35'24		max. Earth dist.	-7057 Nov 25 j 20:51	13° <u>൧</u> 26'14	31.04865 AU
	-7063 Nov 06 j 23:07	0° <u>൧</u>		morning rise	-7057 Dec 10 j 10:59	13° <u>൧</u> 59'04	
				retrograde	-7056 Mar 10 j 13:24	15° <u>൧</u> 57'21	
conjunction	-7063 Nov 11 j 07:00	0° <u>൧</u> 09'50	1°21'49	opposition	-7056 May 30 j 16:24	14° <u>൧</u> 32'34	0°52'30
minimum elong	-7063 Nov 11 j 07:01	0° <u>൧</u> 09'50	1°21'51	min. Earth dist.	-7056 May 29 j 17:34	14° <u>൧</u> 34'08	29.04623 AU
max. Earth dist.	-7063 Nov 12 j 01:30	0° <u>൧</u> 11'35	31.09598 AU	direct	-7056 Aug 16 j 20:55	13° <u>൧</u> 09'59	
morning rise	-7063 Nov 26 j 16:55	0° <u>൧</u> 44'34		evening set	-7056 Nov 10 j 21:04	15° <u>൧</u> 02'09	
retrograde	-7062 Feb 25 j 11:12	2° <u>൧</u> 42'21					
opposition	-7062 May 17 j 12:21	1° <u>൧</u> 17'51	1°24'53	conjunction	-7056 Nov 26 j 07:52	15° <u>൧</u> 36'55	0°46'31
min. Earth dist.	-7062 May 16 j 17:03	1° <u>൧</u> 19'10	29.09150 AU	minimum elong	-7056 Nov 26 j 07:52	15° <u>൧</u> 36'55	0°46'26
	-7062 Jul 18 j 01:12	30° <u>൬</u>		max. Earth dist.	-7056 Nov 27 j 07:10	15° <u>൧</u> 39'07	31.04284 AU
direct	-7062 Aug 04 j 02:36	29° <u>൬</u> 55'07		morning rise	-7056 Dec 11 j 22:24	16° <u>൧</u> 12'02	
	-7062 Aug 20 j 23:29	0° <u>൧</u>		retrograde	-7055 Mar 13 j 03:20	18° <u>൧</u> 10'25	
evening set	-7062 Oct 29 j 09:40	1° <u>൧</u> 47'31		min. Earth dist.	-7055 Jun 01 j 05:24	16° <u>൧</u> 47'14	29.04021 AU
				opposition	-7055 Jun 02 j 05:00	16° <u>൧</u> 45'36	0°46'46
conjunction	-7062 Nov 13 j 17:04	2° <u>൧</u> 22'00	1°17'06	direct	-7055 Aug 19 j 06:06	15° <u>൧</u> 23'03	
minimum elong	-7062 Nov 13 j 17:05	2° <u>൧</u> 22'00	1°17'08	evening set	-7055 Nov 13 j 07:30	17° <u>൧</u> 15'12	
max. Earth dist.	-7062 Nov 14 j 12:13	2° <u>൧</u> 23'49	31.08568 AU				
morning rise	-7062 Nov 29 j 03:42	2° <u>൧</u> 56'48		conjunction	-7055 Nov 28 j 18:54	17° <u>൧</u> 50'01	0°41'07
retrograde	-7061 Feb 28 j 00:34	4° <u>൧</u> 54'39		minimum elong	-7055 Nov 28 j 18:54	17° <u>൧</u> 50'01	0°41'00
min. Earth dist.	-7061 May 19 j 06:10	3° <u>൧</u> 31'21	29.08158 AU	max. Earth dist.	-7055 Nov 29 j 19:02	17° <u>൧</u> 52'17	31.03644 AU
opposition	-7061 May 20 j 01:15	3° <u>൧</u> 30'03	1°19'46	morning rise	-7055 Dec 14 j 10:01	18° <u>൧</u> 25'11	
direct	-7061 Aug 06 j 13:52	2° <u>൧</u> 07'18		retrograde	-7054 Mar 15 j 15:21	20° <u>൧</u> 23'39	
evening set	-7061 Oct 31 j 19:20	3° <u>൧</u> 59'39		opposition	-7054 Jun 04 j 17:43	18° <u>൧</u> 58'49	0°40'57
				min. Earth dist.	-7054 Jun 03 j 18:44	19° <u>൧</u> 00'24	29.03338 AU
conjunction	-7061 Nov 16 j 03:25	4° <u>൧</u> 34'11	1°12'15	direct	-7054 Aug 21 j 16:09	17° <u>൧</u> 36'16	
minimum elong	-7061 Nov 16 j 03:25	4° <u>൧</u> 34'11	1°12'15	evening set	-7054 Nov 15 j 18:01	19° <u>൧</u> 28'24	
max. Earth dist.	-7061 Nov 16 j 23:54	4° <u>൧</u> 36'07	31.07631 AU				
morning rise	-7061 Dec 01 j 14:34	5° <u>൧</u> 09'01		conjunction	-7054 Dec 01 j 06:04	20° <u>൧</u> 03'15	0°35'39
retrograde	-7060 Mar 01 j 12:53	7° <u>൧</u> 06'56		minimum elong	-7054 Dec 01 j 06:04	20° <u>൧</u> 03'15	0°35'32
opposition	-7060 May 21 j 13:44	5° <u>൧</u> 42'17	1°14'32	max. Earth dist.	-7054 Dec 02 j 06:14	20° <u>൧</u> 05'32	31.02920 AU
min. Earth dist.	-7060 May 20 j 16:49	5° <u>൧</u> 43'42	29.07264 AU	morning rise	-7054 Dec 16 j 21:51	20° <u>൧</u> 38'28	
direct	-7060 Aug 08 j 01:57	4° <u>൧</u> 19'33		retrograde	-7053 Mar 18 j 05:51	22° <u>൧</u> 37'00	
evening set	-7060 Nov 02 j 05:10	6° <u>൧</u> 11'50		min. Earth dist.	-7053 Jun 06 j 06:22	21° <u>൧</u> 13'46	29.02545 AU
				opposition	-7053 Jun 07 j 06:19	21° <u>൧</u> 12'07	0°35'04
conjunction	-7060 Nov 17 j 13:38	6° <u>൧</u> 46'24	1°07'18	direct	-7053 Aug 24 j 04:07	19° <u>൧</u> 49'33	
minimum elong	-7060 Nov 17 j 13:39	6° <u>൧</u> 46'24	1°07'18	evening set	-7053 Nov 18 j 04:49	21° <u>൧</u> 41'40	
max. Earth dist.	-7060 Nov 18 j 10:10	6° <u>൧</u> 48'21	31.06795 AU				
morning rise	-7060 Dec 03 j 01:35	7° <u>൧</u> 21'19		conjunction	-7053 Dec 03 j 17:22	22° <u>൧</u> 16'33	0°30'08

Attention, astronomical year style is used: The year -7053 in astronomical counting style is the year 7054 BCE in historical counting style.

minimum elong	-7053 Dec 03 j 17:22	22° <u>♂</u> 16'34	0°29'59	evening set	-7047 Nov 30 j 22:00	5° <u>♂</u> 00'22	
max. Earth dist.	-7053 Dec 04 j 17:16	22° <u>♂</u> 18'49	31.02057 AU				
morning rise	-7053 Dec 19 j 09:51	22° <u>♂</u> 51'50		conjunction	-7047 Dec 16 j 13:59	5° <u>♂</u> 35'30	-0°03'44
retrograde	-7052 Mar 19 j 19:01	24° <u>♂</u> 50'24		minimum elong	-7047 Dec 16 j 13:59	5° <u>♂</u> 35'30	0°03'58
opposition	-7052 Jun 08 j 18:52	23° <u>♂</u> 25'26	0°29'08	behind sun begin	-7047 Dec 16 j 07:35	5° <u>♂</u> 34'55	
min. Earth dist.	-7052 Jun 07 j 19:56	23° <u>♂</u> 27'01	29.01622 AU	behind sun end	-7047 Dec 16 j 20:23	5° <u>♂</u> 36'05	
direct	-7052 Aug 25 j 14:49	22° <u>♂</u> 02'51		max. Earth dist.	-7047 Dec 17 j 15:47	5° <u>♂</u> 37'56	30.96309 AU
evening set	-7052 Nov 19 j 15:30	23° <u>♂</u> 54'55		morning rise	-7046 Jan 01 j 10:08	6° <u>♂</u> 11'02	
				retrograde	-7046 Apr 03 j 00:14	8° <u>♂</u> 09'46	
conjunction	-7052 Dec 05 j 04:46	24° <u>♂</u> 29'51	0°24'34	opposition	-7046 Jun 22 j 20:33	6° <u>♂</u> 44'25	-0°07'02
minimum elong	-7052 Dec 05 j 04:46	24° <u>♂</u> 29'51	0°24'26	min. Earth dist.	-7046 Jun 21 j 19:07	6° <u>♂</u> 46'11	28.95996 AU
max. Earth dist.	-7052 Dec 06 j 05:21	24° <u>♂</u> 32'10	31.01092 AU	direct	-7046 Sep 08 j 10:29	5° <u>♂</u> 21'36	
morning rise	-7052 Dec 20 j 21:46	25° <u>♂</u> 05'10		evening set	-7046 Dec 03 j 09:11	7° <u>♂</u> 13'35	
retrograde	-7051 Mar 22 j 08:17	27° <u>♂</u> 03'46					
min. Earth dist.	-7051 Jun 10 j 07:13	25° <u>♂</u> 40'23	29.00605 AU	conjunction	-7046 Dec 19 j 01:46	7° <u>♂</u> 48'46	-0°09'22
opposition	-7051 Jun 11 j 07:19	25° <u>♂</u> 38'43	0°23'10	minimum elong	-7046 Dec 19 j 01:46	7° <u>♂</u> 48'46	0°09'36
direct	-7051 Aug 28 j 03:17	24° <u>♂</u> 16'05		behind sun begin	-7046 Dec 18 j 20:23	7° <u>♂</u> 48'17	
evening set	-7051 Nov 22 j 02:13	26° <u>♂</u> 08'06		behind sun end	-7046 Dec 19 j 07:08	7° <u>♂</u> 49'15	
				max. Earth dist.	-7046 Dec 20 j 04:27	7° <u>♂</u> 51'16	30.95632 AU
conjunction	-7051 Dec 07 j 15:55	26° <u>♂</u> 43'04	0°18'58	morning rise	-7045 Jan 03 j 22:27	8° <u>♂</u> 24'21	
minimum elong	-7051 Dec 07 j 15:55	26° <u>♂</u> 43'04	0°18'48	retrograde	-7045 Apr 05 j 11:49	10° <u>♂</u> 23'08	
max. Earth dist.	-7051 Dec 08 j 15:57	26° <u>♂</u> 45'20	31.00049 AU	min. Earth dist.	-7045 Jun 24 j 07:47	8° <u>♂</u> 59'30	28.95367 AU
morning rise	-7051 Dec 23 j 09:43	27° <u>♂</u> 18'26		opposition	-7045 Jun 25 j 08:42	8° <u>♂</u> 57'46	-0°13'05
retrograde	-7050 Mar 24 j 21:49	29° <u>♂</u> 17'03		direct	-7045 Sep 10 j 20:25	7° <u>♂</u> 34'58	
opposition	-7050 Jun 13 j 19:52	27° <u>♂</u> 51'55	0°17'10	evening set	-7045 Dec 05 j 20:33	9° <u>♂</u> 26'59	
min. Earth dist.	-7050 Jun 12 j 20:26	27° <u>♂</u> 53'32	28.99554 AU				
direct	-7050 Aug 30 j 14:26	26° <u>♂</u> 29'13		conjunction	-7045 Dec 21 j 13:42	10° <u>♂</u> 02'12	-0°15'00
evening set	-7050 Nov 24 j 13:01	28° <u>♂</u> 21'12		minimum elong	-7045 Dec 21 j 13:42	10° <u>♂</u> 02'12	0°15'17
				behind sun begin	-7045 Dec 21 j 11:42	10° <u>♂</u> 02'01	
conjunction	-7050 Dec 10 j 03:28	28° <u>♂</u> 56'13	0°13'21	behind sun end	-7045 Dec 21 j 15:42	10° <u>♂</u> 02'23	
minimum elong	-7050 Dec 10 j 03:27	28° <u>♂</u> 56'13	0°13'11	max. Earth dist.	-7045 Dec 22 j 16:30	10° <u>♂</u> 04'43	30.95052 AU
behind sun begin	-7050 Dec 09 j 23:37	28° <u>♂</u> 55'52		morning rise	-7044 Jan 06 j 10:54	10° <u>♂</u> 37'50	
behind sun end	-7050 Dec 10 j 07:17	28° <u>♂</u> 56'34		retrograde	-7044 Apr 07 j 01:47	12° <u>♂</u> 36'40	
max. Earth dist.	-7050 Dec 11 j 04:55	28° <u>♂</u> 58'37	30.99001 AU	opposition	-7044 Jun 26 j 20:36	11° <u>♂</u> 11'19	-0°19'07
morning rise	-7050 Dec 25 j 21:43	29° <u>♂</u> 31'38		min. Earth dist.	-7044 Jun 25 j 18:44	11° <u>♂</u> 13'07	28.94815 AU
	-7049 Jan 08 j 04:04	0° <u>♂</u>		direct	-7044 Sep 12 j 07:38	9° <u>♂</u> 48'31	
retrograde	-7049 Mar 27 j 10:29	1° <u>♂</u> 30'15		evening set	-7044 Dec 07 j 08:08	11° <u>♂</u> 40'36	
min. Earth dist.	-7049 Jun 15 j 07:46	0° <u>♂</u> 06'42	28.98520 AU				
opposition	-7049 Jun 16 j 08:00	0° <u>♂</u> 05'02	0°11'08	conjunction	-7044 Dec 23 j 01:41	12° <u>♂</u> 15'52	-0°20'39
	-7049 Jun 19 j 08:53	30° <u>♂</u> 42'17		minimum elong	-7044 Dec 23 j 01:41	12° <u>♂</u> 15'52	0°20'55
direct	-7049 Sep 02 j 03:21	28° <u>♂</u> 42'17		max. Earth dist.	-7044 Dec 24 j 04:22	12° <u>♂</u> 18'22	30.94512 AU
	-7049 Nov 10 j 19:18	0° <u>♂</u>		morning rise	-7043 Jan 07 j 23:28	12° <u>♂</u> 51'32	
evening set	-7049 Nov 27 j 00:02	0° <u>♂</u> 34'14		retrograde	-7043 Apr 09 j 14:47	14° <u>♂</u> 50'26	
				min. Earth dist.	-7043 Jun 28 j 07:55	13° <u>♂</u> 26'49	28.94291 AU
conjunction	-7049 Dec 12 j 14:53	1° <u>♂</u> 09'18	0°07'44	opposition	-7043 Jun 29 j 08:44	13° <u>♂</u> 25'06	-0°25'09
minimum elong	-7049 Dec 12 j 14:53	1° <u>♂</u> 09'18	0°07'31	direct	-7043 Sep 14 j 17:21	12° <u>♂</u> 02'18	
behind sun begin	-7049 Dec 12 j 08:59	1° <u>♂</u> 08'46		evening set	-7043 Dec 09 j 19:39	13° <u>♂</u> 54'27	
behind sun end	-7049 Dec 12 j 20:47	1° <u>♂</u> 09'50					
max. Earth dist.	-7049 Dec 13 j 15:39	1° <u>♂</u> 11'38	30.98002 AU	conjunction	-7043 Dec 25 j 13:52	14° <u>♂</u> 29'45	-0°26'15
morning rise	-7049 Dec 28 j 09:55	1° <u>♂</u> 44'45		minimum elong	-7043 Dec 25 j 13:52	14° <u>♂</u> 29'45	0°26'34
retrograde	-7048 Mar 28 j 23:28	3° <u>♂</u> 43'24		max. Earth dist.	-7043 Dec 26 j 17:06	14° <u>♂</u> 32'19	30.93987 AU
opposition	-7048 Jun 17 j 20:17	2° <u>♂</u> 18'07	0°05'05		-7042 Jan 08 j 00:47	15° <u>♂</u>	
min. Earth dist.	-7048 Jun 16 j 20:00	2° <u>♂</u> 19'47	28.97571 AU	morning rise	-7042 Jan 10 j 12:04	15° <u>♂</u> 05'27	
direct	-7048 Sep 03 j 13:28	0° <u>♂</u> 55'20		retrograde	-7042 Apr 12 j 04:56	17° <u>♂</u> 04'25	
evening set	-7048 Nov 28 j 10:53	2° <u>♂</u> 47'16		opposition	-7042 Jul 01 j 20:43	15° <u>♂</u> 39'05	-0°31'08
				min. Earth dist.	-7042 Jun 30 j 19:06	15° <u>♂</u> 40'52	28.93743 AU
conjunction	-7048 Dec 14 j 02:25	3° <u>♂</u> 22'22	0°02'04		-7042 Jul 26 j 05:05	15° <u>♂</u>	
minimum elong	-7048 Dec 14 j 02:23	3° <u>♂</u> 22'22	0°01'52	direct	-7042 Sep 17 j 05:18	14° <u>♂</u> 16'18	
behind sun begin	-7048 Dec 13 j 19:54	3° <u>♂</u> 21'47			-7042 Nov 07 j 07:48	15° <u>♂</u>	
behind sun end	-7048 Dec 14 j 08:52	3° <u>♂</u> 22'57		evening set	-7042 Dec 12 j 07:44	16° <u>♂</u> 08'30	
max. Earth dist.	-7048 Dec 15 j 04:35	3° <u>♂</u> 24'50	30.97092 AU				
morning rise	-7048 Dec 29 j 21:50	3° <u>♂</u> 57'52		conjunction	-7042 Dec 28 j 02:17	16° <u>♂</u> 43'50	-0°31'50
retrograde	-7047 Mar 31 j 10:16	5° <u>♂</u> 56'33		minimum elong	-7042 Dec 28 j 02:16	16° <u>♂</u> 43'50	0°32'08
desc. node	-7047 Apr 23 j 14:46	5° <u>♂</u> 48'05		max. Earth dist.	-7042 Dec 29 j 04:22	16° <u>♂</u> 46'17	30.93400 AU
min. Earth dist.	-7047 Jun 19 j 07:47	4° <u>♂</u> 32'56	28.96716 AU	morning rise	-7041 Jan 13 j 01:07	17° <u>♂</u> 19'35	
opposition	-7047 Jun 20 j 08:27	4° <u>♂</u> 31'13	-0°00'58	retrograde	-7041 Apr 14 j 19:32	19° <u>♂</u> 18'35	
direct	-7047 Sep 06 j 01:01	3° <u>♂</u> 08'25		min. Earth dist.	-7041 Jul 03 j 08:19	17° <u>♂</u> 54'56	28.93124 AU

Attention, astronomical year style is used: The year -7041 in astronomical counting style is the year 7042 BCE in historical counting style.

opposition	-7041 Jul 04 j 08:41	17° \mathcal{M} .53'14	-0°37'04	evening set	-7035 Dec 27 j 21:31	1° \mathcal{J} .47'21	
direct	-7041 Sep 19 j 16:19	16° \mathcal{M} .30'26					
evening set	-7041 Dec 14 j 19:44	18° \mathcal{M} .22'41		conjunction	-7034 Jan 12 j 19:19	2° \mathcal{J} .22'54	-1°09'04
				minimum elong	-7034 Jan 12 j 19:18	2° \mathcal{J} .22'54	1°09'28
conjunction	-7041 Dec 30 j 14:57	18° \mathcal{M} .58'04	-0°37'22	max. Earth dist.	-7034 Jan 13 j 20:24	2° \mathcal{J} .25'15	30.88040 AU
minimum elong	-7041 Dec 30 j 14:57	18° \mathcal{M} .58'04	0°37'41	morning rise	-7034 Jan 28 j 21:06	2° \mathcal{J} .58'49	
max. Earth dist.	-7041 Dec 31 j 17:44	19° \mathcal{M} .00'35	30.92726 AU	retrograde	-7034 Apr 30 j 11:57	4° \mathcal{J} .57'41	
morning rise	-7040 Jan 15 j 14:06	19° \mathcal{M} .33'51		opposition	-7034 Jul 19 j 18:35	3° \mathcal{J} .32'05	-1°16'36
retrograde	-7040 Apr 16 j 09:23	21° \mathcal{M} .32'51		min. Earth dist.	-7034 Jul 18 j 19:55	3° \mathcal{J} .33'41	28.87870 AU
opposition	-7040 Jul 05 j 20:36	20° \mathcal{M} .07'30	-0°42'57	direct	-7034 Oct 04 j 22:40	2° \mathcal{J} .08'48	
min. Earth dist.	-7040 Jul 04 j 20:00	20° \mathcal{M} .09'13	28.92394 AU	evening set	-7034 Dec 30 j 10:05	4° \mathcal{J} .01'20	
direct	-7040 Sep 21 j 05:40	18° \mathcal{M} .44'39					
evening set	-7040 Dec 16 j 07:51	20° \mathcal{M} .36'56		conjunction	-7033 Jan 15 j 08:26	4° \mathcal{J} .36'54	-1°14'02
				minimum elong	-7033 Jan 15 j 08:26	4° \mathcal{J} .36'54	1°14'26
conjunction	-7039 Jan 01 j 03:23	21° \mathcal{M} .12'21	-0°42'50	max. Earth dist.	-7033 Jan 16 j 09:56	4° \mathcal{J} .39'18	30.87581 AU
minimum elong	-7039 Jan 01 j 03:23	21° \mathcal{M} .12'21	0°43'10	morning rise	-7033 Jan 31 j 10:29	5° \mathcal{J} .12'50	
max. Earth dist.	-7039 Jan 02 j 04:45	21° \mathcal{M} .14'44	30.91948 AU	retrograde	-7033 May 03 j 01:18	7° \mathcal{J} .11'41	
morning rise	-7039 Jan 17 j 03:10	21° \mathcal{M} .48'10		min. Earth dist.	-7033 Jul 21 j 06:17	5° \mathcal{J} .47'45	28.87481 AU
retrograde	-7039 Apr 18 j 22:39	23° \mathcal{M} .47'10		opposition	-7033 Jul 22 j 05:49	5° \mathcal{J} .46'06	-1°21'51
min. Earth dist.	-7039 Jul 07 j 08:40	22° \mathcal{M} .23'26	28.91581 AU	direct	-7033 Oct 07 j 10:35	4° \mathcal{J} .22'46	
opposition	-7039 Jul 08 j 08:35	22° \mathcal{M} .21'46	-0°48'47	evening set	-7032 Jan 01 j 22:55	6° \mathcal{J} .15'24	
direct	-7039 Sep 23 j 16:15	20° \mathcal{M} .58'51					
evening set	-7039 Dec 18 j 20:00	22° \mathcal{M} .51'10		conjunction	-7032 Jan 17 j 21:30	6° \mathcal{J} .50'59	-1°18'54
				minimum elong	-7032 Jan 17 j 21:29	6° \mathcal{J} .50'59	1°19'19
conjunction	-7038 Jan 03 j 16:09	23° \mathcal{M} .26'37	-0°48'15	max. Earth dist.	-7032 Jan 18 j 22:00	6° \mathcal{J} .53'17	30.87249 AU
minimum elong	-7038 Jan 03 j 16:09	23° \mathcal{M} .26'37	0°48'36	morning rise	-7032 Feb 03 j 00:00	7° \mathcal{J} .26'57	
max. Earth dist.	-7038 Jan 04 j 18:13	23° \mathcal{M} .29'04	30.91096 AU	retrograde	-7032 May 04 j 14:58	9° \mathcal{J} .25'47	
morning rise	-7038 Jan 19 j 16:14	24° \mathcal{M} .02'27		opposition	-7032 Jul 23 j 17:19	8° \mathcal{J} .00'13	-1°26'59
retrograde	-7038 Apr 21 j 10:33	26° \mathcal{M} .01'26		min. Earth dist.	-7032 Jul 22 j 18:50	8° \mathcal{J} .01'48	28.87220 AU
opposition	-7038 Jul 10 j 20:19	24° \mathcal{M} .35'59	-0°54'32	direct	-7032 Oct 08 j 21:13	6° \mathcal{J} .36'52	
min. Earth dist.	-7038 Jul 09 j 20:44	24° \mathcal{M} .37'38	28.90711 AU	evening set	-7031 Jan 03 j 11:33	8° \mathcal{J} .29'35	
direct	-7038 Sep 26 j 04:45	23° \mathcal{M} .12'59					
evening set	-7038 Dec 21 j 08:20	25° \mathcal{M} .05'20		conjunction	-7031 Jan 19 j 10:40	9° \mathcal{J} .05'13	-1°23'38
				minimum elong	-7031 Jan 19 j 10:39	9° \mathcal{J} .05'13	1°24'03
conjunction	-7037 Jan 06 j 04:53	25° \mathcal{M} .40'48	-0°53'35	max. Earth dist.	-7031 Jan 20 j 12:05	9° \mathcal{J} .07'35	30.87032 AU
minimum elong	-7037 Jan 06 j 04:53	25° \mathcal{M} .40'48	0°53'56	morning rise	-7031 Feb 04 j 13:19	9° \mathcal{J} .41'11	
max. Earth dist.	-7037 Jan 07 j 05:52	25° \mathcal{M} .43'09	30.90230 AU	retrograde	-7031 May 07 j 04:24	11° \mathcal{J} .40'01	
morning rise	-7037 Jan 22 j 05:32	26° \mathcal{M} .16'40		min. Earth dist.	-7031 Jul 25 j 05:55	10° \mathcal{J} .16'06	28.87040 AU
retrograde	-7037 Apr 24 j 00:51	28° \mathcal{M} .15'37		opposition	-7031 Jul 26 j 04:40	10° \mathcal{J} .14'30	-1°32'00
min. Earth dist.	-7037 Jul 12 j 08:14	26° \mathcal{M} .51'46	28.89861 AU	direct	-7031 Oct 11 j 10:01	8° \mathcal{J} .51'08	
opposition	-7037 Jul 13 j 07:59	26° \mathcal{M} .50'06	-1°00'11	evening set	-7030 Jan 06 j 00:41	10° \mathcal{J} .43'58	
direct	-7037 Sep 28 j 15:26	25° \mathcal{M} .27'01					
evening set	-7037 Dec 23 j 20:42	27° \mathcal{M} .19'24		conjunction	-7030 Jan 22 j 00:01	11° \mathcal{J} .19'36	-1°28'15
				minimum elong	-7030 Jan 22 j 00:00	11° \mathcal{J} .19'36	1°28'42
conjunction	-7036 Jan 08 j 17:41	27° \mathcal{M} .54'53	-0°58'50	max. Earth dist.	-7030 Jan 22 j 23:56	11° \mathcal{J} .21'51	30.86875 AU
minimum elong	-7036 Jan 08 j 17:41	27° \mathcal{M} .54'53	0°59'13	morning rise	-7030 Feb 07 j 03:08	11° \mathcal{J} .55'36	
max. Earth dist.	-7036 Jan 09 j 19:08	27° \mathcal{M} .57'17	30.89387 AU	retrograde	-7030 May 09 j 18:41	13° \mathcal{J} .54'26	
morning rise	-7036 Jan 24 j 18:39	28° \mathcal{M} .30'47		opposition	-7030 Jul 28 j 16:01	12° \mathcal{J} .28'57	-1°36'52
	-7036 Mar 13 j 06:39	0° \mathcal{J} .		min. Earth dist.	-7030 Jul 27 j 18:11	12° \mathcal{J} .30'29	28.86906 AU
retrograde	-7036 Apr 25 j 11:12	0° \mathcal{J} .29'41		direct	-7030 Oct 13 j 20:18	11° \mathcal{J} .05'34	
	-7036 Jun 08 j 13:08	30° \mathcal{R} . \mathcal{M} .		evening set	-7029 Jan 08 j 13:56	12° \mathcal{J} .58'31	
opposition	-7036 Jul 14 j 19:32	29° \mathcal{M} .04'08	-1°05'46				
min. Earth dist.	-7036 Jul 13 j 20:37	29° \mathcal{M} .05'45	28.89067 AU	conjunction	-7029 Jan 24 j 13:45	13° \mathcal{J} .34'11	-1°32'45
direct	-7036 Sep 30 j 02:12	27° \mathcal{M} .40'59		minimum elong	-7029 Jan 24 j 13:44	13° \mathcal{J} .34'11	1°33'11
evening set	-7036 Dec 25 j 09:04	29° \mathcal{M} .33'24		max. Earth dist.	-7029 Jan 25 j 14:04	13° \mathcal{J} .36'28	30.86720 AU
	-7035 Jan 06 j 07:39	0° \mathcal{J} .		morning rise	-7029 Feb 09 j 16:59	14° \mathcal{J} .10'12	
				retrograde	-7029 May 12 j 08:02	16° \mathcal{J} .09'01	
conjunction	-7035 Jan 10 j 06:31	0° \mathcal{J} .08'54	-1°04'00	min. Earth dist.	-7029 Jul 30 j 06:17	14° \mathcal{J} .45'04	28.86732 AU
minimum elong	-7035 Jan 10 j 06:30	0° \mathcal{J} .08'54	1°04'23	opposition	-7029 Jul 31 j 03:23	14° \mathcal{J} .43'35	-1°41'35
max. Earth dist.	-7035 Jan 11 j 07:48	0° \mathcal{J} .11'17	30.88652 AU	direct	-7029 Oct 16 j 08:58	13° \mathcal{J} .20'11	
morning rise	-7035 Jan 26 j 07:52	0° \mathcal{J} .44'49		evening set	-7028 Jan 11 j 03:22	15° \mathcal{J} .13'14	
retrograde	-7035 Apr 27 j 23:57	2° \mathcal{J} .43'42					
min. Earth dist.	-7035 Jul 16 j 07:15	1° \mathcal{J} .19'47	28.88401 AU	conjunction	-7028 Jan 27 j 03:24	15° \mathcal{J} .48'56	-1°37'06
opposition	-7035 Jul 17 j 07:00	1° \mathcal{J} .18'07	-1°11'14	minimum elong	-7028 Jan 27 j 03:24	15° \mathcal{J} .48'56	1°37'33
	-7035 Sep 15 j 07:17	30° \mathcal{R} . \mathcal{M} .		max. Earth dist.	-7028 Jan 28 j 01:59	15° \mathcal{J} .51'03	30.86512 AU
direct	-7035 Oct 02 j 13:20	29° \mathcal{M} .54'53		morning rise	-7028 Feb 12 j 06:59	16° \mathcal{J} .24'57	
	-7035 Oct 19 j 15:12	0° \mathcal{J} .		retrograde	-7028 May 13 j 22:46	18° \mathcal{J} .23'45	

Attention, astronomical year style is used: The year -7028 in astronomical counting style is the year 7029 BCE in historical counting style.

opposition	-7028 Aug 01 j 14:41	16° \mathring{A} 58'21	-1°46'10	conjunction	-7021 Feb 12 j 05:02	1° \mathring{B} 32'27	-2°03'05
min. Earth dist.	-7028 Jul 31 j 17:55	16° \mathring{A} 59'49	28.86492 AU	minimum elong	-7021 Feb 12 j 05:02	1° \mathring{B} 32'27	2°03'33
direct	-7028 Oct 17 j 20:07	15° \mathring{A} 34'54		max. Earth dist.	-7021 Feb 12 j 22:49	1° \mathring{B} 34'07	30.84232 AU
evening set	-7027 Jan 12 j 16:52	17° \mathring{A} 28'03		morning rise	-7021 Feb 28 j 10:01	2° \mathring{B} 08'31	
				retrograde	-7021 May 30 j 14:35	4° \mathring{B} 06'50	
conjunction	-7027 Jan 28 j 17:17	18° \mathring{A} 03'46	-1°41'18	opposition	-7021 Aug 17 j 20:10	2° \mathring{B} 41'31	-2°13'18
minimum elong	-7027 Jan 28 j 17:16	18° \mathring{A} 03'46	1°41'45	min. Earth dist.	-7021 Aug 17 j 04:03	2° \mathring{B} 42'40	28.84383 AU
max. Earth dist.	-7027 Jan 29 j 15:39	18° \mathring{A} 05'52	30.86213 AU	direct	-7021 Nov 03 j 02:59	1° \mathring{B} 17'33	
morning rise	-7027 Feb 13 j 21:01	18° \mathring{A} 39'49		evening set	-7020 Jan 29 j 16:40	3° \mathring{B} 11'24	
retrograde	-7027 May 16 j 10:06	20° \mathring{A} 38'34					
min. Earth dist.	-7027 Aug 03 j 06:44	19° \mathring{A} 14'33	28.86157 AU	conjunction	-7020 Feb 14 j 19:10	3° \mathring{B} 47'12	-2°06'05
opposition	-7027 Aug 04 j 02:04	19° \mathring{A} 13'11	-1°50'34	minimum elong	-7020 Feb 14 j 19:10	3° \mathring{B} 47'12	2°06'34
direct	-7027 Oct 20 j 07:18	17° \mathring{A} 49'41		max. Earth dist.	-7020 Feb 15 j 13:32	3° \mathring{B} 48'55	30.84243 AU
evening set	-7026 Jan 15 j 06:21	19° \mathring{A} 42'55		morning rise	-7020 Mar 02 j 00:05	4° \mathring{B} 23'15	
				retrograde	-7020 Jun 01 j 03:58	6° \mathring{B} 21'30	
conjunction	-7026 Jan 31 j 07:08	20° \mathring{A} 18'39	-1°45'21	opposition	-7020 Aug 19 j 07:01	4° \mathring{B} 56'15	-2°16'25
minimum elong	-7026 Jan 31 j 07:08	20° \mathring{A} 18'39	1°45'49	min. Earth dist.	-7020 Aug 18 j 15:26	4° \mathring{B} 57'21	28.84463 AU
max. Earth dist.	-7026 Feb 01 j 04:25	20° \mathring{A} 20'39	30.85845 AU	direct	-7020 Nov 04 j 16:23	3° \mathring{B} 32'15	
morning rise	-7026 Feb 16 j 11:10	20° \mathring{A} 54'42		evening set	-7019 Jan 31 j 06:40	5° \mathring{B} 26'13	
retrograde	-7026 May 18 j 23:26	22° \mathring{A} 53'23					
opposition	-7026 Aug 06 j 13:15	21° \mathring{A} 28'01	-1°54'49	conjunction	-7019 Feb 16 j 09:18	6° \mathring{B} 02'02	-2°08'54
min. Earth dist.	-7026 Aug 05 j 17:51	21° \mathring{A} 29'23	28.85756 AU	minimum elong	-7019 Feb 16 j 09:17	6° \mathring{B} 02'02	2°09'23
direct	-7026 Oct 22 j 18:55	20° \mathring{A} 04'26		max. Earth dist.	-7019 Feb 17 j 02:03	6° \mathring{B} 03'36	30.84394 AU
evening set	-7025 Jan 17 j 20:05	21° \mathring{A} 57'46		morning rise	-7019 Mar 04 j 14:30	6° \mathring{B} 38'06	
				retrograde	-7019 Jun 03 j 18:14	8° \mathring{B} 36'17	
conjunction	-7025 Feb 02 j 21:06	22° \mathring{A} 33'30	-1°49'14	opposition	-7019 Aug 21 j 17:48	7° \mathring{B} 11'06	-2°19'19
minimum elong	-7025 Feb 02 j 21:05	22° \mathring{A} 33'30	1°49'42	min. Earth dist.	-7019 Aug 21 j 02:24	7° \mathring{B} 12'11	28.84675 AU
max. Earth dist.	-7025 Feb 03 j 17:30	22° \mathring{A} 35'25	30.85410 AU	direct	-7019 Nov 07 j 04:04	5° \mathring{B} 47'04	
morning rise	-7025 Feb 19 j 01:21	23° \mathring{A} 09'34		evening set	-7018 Feb 02 j 20:42	7° \mathring{B} 41'10	
retrograde	-7025 May 21 j 11:13	25° \mathring{A} 08'10					
min. Earth dist.	-7025 Aug 08 j 06:42	23° \mathring{A} 44'03	28.85325 AU	conjunction	-7018 Feb 18 j 23:41	8° \mathring{B} 17'00	-2°11'31
opposition	-7025 Aug 09 j 00:21	23° \mathring{A} 42'48	-1°58'53	minimum elong	-7018 Feb 18 j 23:41	8° \mathring{B} 17'00	2°12'00
direct	-7025 Oct 25 j 04:26	22° \mathring{A} 19'08		max. Earth dist.	-7018 Feb 19 j 16:26	8° \mathring{B} 18'34	30.84632 AU
evening set	-7024 Jan 20 j 09:41	24° \mathring{A} 12'33		morning rise	-7018 Mar 07 j 04:54	8° \mathring{B} 53'04	
				retrograde	-7018 Jun 06 j 06:18	10° \mathring{B} 51'11	
conjunction	-7024 Feb 05 j 11:07	24° \mathring{A} 48'18	-1°52'58	opposition	-7018 Aug 24 j 04:42	9° \mathring{B} 26'05	-2°22'00
minimum elong	-7024 Feb 05 j 11:07	24° \mathring{A} 48'18	1°53'26	min. Earth dist.	-7018 Aug 23 j 14:48	9° \mathring{B} 27'04	28.84940 AU
max. Earth dist.	-7024 Feb 06 j 07:18	24° \mathring{A} 50'12	30.84989 AU	direct	-7018 Nov 09 j 15:32	8° \mathring{B} 02'03	
morning rise	-7024 Feb 21 j 15:29	25° \mathring{A} 24'22		evening set	-7017 Feb 05 j 11:01	9° \mathring{B} 56'16	
retrograde	-7024 May 22 j 23:40	27° \mathring{A} 22'54					
opposition	-7024 Aug 10 j 11:20	25° \mathring{A} 57'32	-2°02'47	conjunction	-7017 Feb 21 j 14:11	10° \mathring{B} 32'07	-2°13'56
min. Earth dist.	-7024 Aug 09 j 17:14	25° \mathring{A} 58'49	28.84929 AU	minimum elong	-7017 Feb 21 j 14:11	10° \mathring{B} 32'07	2°14'24
direct	-7024 Oct 26 j 16:50	24° \mathring{A} 33'46		max. Earth dist.	-7017 Feb 22 j 05:34	10° \mathring{B} 33'33	30.84911 AU
evening set	-7023 Jan 21 j 23:17	26° \mathring{A} 27'17		morning rise	-7017 Mar 09 j 19:32	11° \mathring{B} 08'11	
				retrograde	-7017 Jun 08 j 20:41	13° \mathring{B} 06'13	
conjunction	-7023 Feb 07 j 00:51	27° \mathring{A} 03'03	-1°56'31	opposition	-7017 Aug 26 j 15:24	11° \mathring{B} 41'12	-2°24'28
minimum elong	-7023 Feb 07 j 00:50	27° \mathring{A} 03'03	1°56'59	min. Earth dist.	-7017 Aug 26 j 01:38	11° \mathring{B} 42'11	28.85215 AU
max. Earth dist.	-7023 Feb 07 j 19:44	27° \mathring{A} 04'49	30.84619 AU	direct	-7017 Nov 12 j 03:17	10° \mathring{B} 17'08	
morning rise	-7023 Feb 23 j 05:31	27° \mathring{A} 39'06		evening set	-7016 Feb 08 j 01:27	12° \mathring{B} 11'29	
retrograde	-7023 May 25 j 12:03	29° \mathring{A} 37'34					
opposition	-7023 Aug 12 j 22:25	28° \mathring{A} 12'12	-2°06'29	conjunction	-7016 Feb 24 j 04:47	12° \mathring{B} 47'21	-2°16'09
min. Earth dist.	-7023 Aug 12 j 05:37	28° \mathring{A} 13'24	28.84621 AU	minimum elong	-7016 Feb 24 j 04:47	12° \mathring{B} 47'21	2°16'37
direct	-7023 Oct 29 j 03:43	26° \mathring{A} 48'21		max. Earth dist.	-7016 Feb 24 j 19:08	12° \mathring{B} 48'42	30.85150 AU
evening set	-7022 Jan 24 j 12:59	28° \mathring{A} 41'58		morning rise	-7016 Mar 11 j 10:11	13° \mathring{B} 23'25	
				retrograde	-7016 Jun 10 j 08:52	15° \mathring{B} 21'22	
conjunction	-7022 Feb 09 j 14:59	29° \mathring{A} 17'45	-1°59'53	opposition	-7016 Aug 28 j 02:23	13° \mathring{B} 56'26	-2°26'43
minimum elong	-7022 Feb 09 j 14:59	29° \mathring{A} 17'45	2°00'22	min. Earth dist.	-7016 Aug 27 j 14:37	13° \mathring{B} 57'16	28.85431 AU
max. Earth dist.	-7022 Feb 10 j 10:23	29° \mathring{A} 19'34	30.84361 AU	direct	-7016 Nov 13 j 13:05	12° \mathring{B} 32'19	
morning rise	-7022 Feb 25 j 19:40	29° \mathring{A} 53'48		evening set	-7015 Feb 09 j 15:42	14° \mathring{B} 26'47	
retrograde	-7022 Feb 28 j 16:05	0° \mathring{B}					
retrograde	-7022 May 28 j 00:42	1° \mathring{B} 52'11		conjunction	-7015 Feb 25 j 19:21	15° \mathring{B} 02'39	-2°18'09
opposition	-7022 Aug 15 j 09:12	0° \mathring{B} 26'51	-2°09'59	minimum elong	-7015 Feb 25 j 19:21	15° \mathring{B} 02'39	2°18'37
min. Earth dist.	-7022 Aug 14 j 16:19	0° \mathring{B} 28'03	28.84427 AU	max. Earth dist.	-7015 Feb 26 j 08:47	15° \mathring{B} 03'54	30.85324 AU
	-7022 Aug 31 j 10:24	30° \mathring{R} \mathring{A}		morning rise	-7015 Mar 14 j 00:49	15° \mathring{B} 38'43	
direct	-7022 Oct 31 j 16:33	29° \mathring{A} 02'56		retrograde	-7015 Jun 12 j 20:58	17° \mathring{B} 36'34	
	-7022 Dec 29 j 22:56	0° \mathring{B}		opposition	-7015 Aug 30 j 13:13	16° \mathring{B} 11'40	-2°28'45
evening set	-7021 Jan 27 j 02:55	0° \mathring{B} 56'40		min. Earth dist.	-7015 Aug 30 j 01:33	16° \mathring{B} 12'30	28.85550 AU

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

direct	-7015 Nov 16 j 01:59	14° $\overline{3}$ 47'29		minimum elong	-7008 Mar 14 j 01:47	0° \approx 47'04	2°26'36
evening set	-7014 Feb 12 j 06:19	16° $\overline{3}$ 42'03		max. Earth dist.	-7008 Mar 14 j 07:41	0° \approx 47'37	30.85563 AU
				morning rise	-7008 Mar 30 j 07:32	1° \approx 23'04	
conjunction	-7014 Feb 28 j 10:04	17° $\overline{3}$ 17'56	-2°19'57	retrograde	-7008 Jun 28 j 12:48	3° \approx 19'58	
minimum elong	-7014 Feb 28 j 10:04	17° $\overline{3}$ 17'56	2°20'24	opposition	-7008 Sep 14 j 15:23	1° \approx 55'18	-2°36'29
max. Earth dist.	-7014 Feb 28 j 21:30	17° $\overline{3}$ 19'00	30.85384 AU	min. Earth dist.	-7008 Sep 14 j 09:36	1° \approx 55'43	28.85933 AU
morning rise	-7014 Mar 16 j 15:42	17° $\overline{3}$ 53'59		direct	-7008 Dec 01 j 15:08	0° \approx 30'32	
retrograde	-7014 Jun 15 j 08:43	19° $\overline{3}$ 51'43		evening set	-7007 Feb 28 j 11:10	2° \approx 25'45	
opposition	-7014 Sep 02 j 00:02	18° $\overline{3}$ 26'52	-2°30'33				
min. Earth dist.	-7014 Sep 01 j 14:18	18° $\overline{3}$ 27'33	28.85572 AU	conjunction	-7007 Mar 16 j 16:15	3° \approx 01'40	-2°26'26
direct	-7014 Nov 18 j 12:37	17° $\overline{3}$ 02'35		minimum elong	-7007 Mar 16 j 16:15	3° \approx 01'40	2°26'51
evening set	-7013 Feb 14 j 20:48	18° $\overline{3}$ 57'15		max. Earth dist.	-7007 Mar 16 j 21:41	3° \approx 02'11	30.85940 AU
				morning rise	-7007 Apr 01 j 21:59	3° \approx 37'40	
conjunction	-7013 Mar 03 j 00:56	19° $\overline{3}$ 33'08	-2°21'32	retrograde	-7007 Jul 01 j 00:21	5° \approx 34'28	
minimum elong	-7013 Mar 03 j 00:55	19° $\overline{3}$ 33'08	2°21'59	opposition	-7007 Sep 17 j 01:56	4° \approx 09'53	-2°36'39
max. Earth dist.	-7013 Mar 03 j 12:02	19° $\overline{3}$ 34'10	30.85364 AU	min. Earth dist.	-7007 Sep 16 j 21:51	4° \approx 10'10	28.86379 AU
morning rise	-7013 Mar 19 j 06:28	20° $\overline{3}$ 09'10		direct	-7007 Dec 04 j 01:23	2° \approx 45'05	
retrograde	-7013 Jun 17 j 20:48	22° $\overline{3}$ 06'46		evening set	-7006 Mar 03 j 01:37	4° \approx 40'25	
opposition	-7013 Sep 04 j 10:45	20° $\overline{3}$ 41'56	-2°32'08				
min. Earth dist.	-7013 Sep 04 j 01:28	20° $\overline{3}$ 42'36	28.85514 AU	conjunction	-7006 Mar 19 j 06:56	5° \approx 16'21	-2°26'28
direct	-7013 Nov 21 j 01:25	19° $\overline{3}$ 17'33		minimum elong	-7006 Mar 19 j 06:56	5° \approx 16'21	2°26'53
evening set	-7012 Feb 17 j 11:17	21° $\overline{3}$ 12'18		max. Earth dist.	-7006 Mar 19 j 11:36	5° \approx 16'47	30.86453 AU
				morning rise	-7006 Apr 04 j 12:39	5° \approx 52'20	
conjunction	-7012 Mar 04 j 15:24	21° $\overline{3}$ 48'11	-2°22'54	retrograde	-7006 Jul 03 j 12:24	7° \approx 49'01	
minimum elong	-7012 Mar 04 j 15:24	21° $\overline{3}$ 48'11	2°23'21	opposition	-7006 Sep 19 j 12:12	6° \approx 24'33	-2°36'34
max. Earth dist.	-7012 Mar 05 j 00:25	21° $\overline{3}$ 49'01	30.85290 AU	min. Earth dist.	-7006 Sep 19 j 08:00	6° \approx 24'51	28.86929 AU
morning rise	-7012 Mar 20 j 21:08	22° $\overline{3}$ 24'13		direct	-7006 Dec 06 j 14:03	4° \approx 59'45	
retrograde	-7012 Jun 19 j 09:27	24° $\overline{3}$ 21'40		evening set	-7005 Mar 05 j 16:16	6° \approx 55'13	
opposition	-7012 Sep 05 j 21:27	22° $\overline{3}$ 56'51	-2°33'28				
min. Earth dist.	-7012 Sep 05 j 13:23	22° $\overline{3}$ 57'25	28.85448 AU	conjunction	-7005 Mar 21 j 21:36	7° \approx 31'09	-2°26'17
direct	-7012 Nov 22 j 12:37	21° $\overline{3}$ 32'22		minimum elong	-7005 Mar 21 j 21:37	7° \approx 31'09	2°26'42
evening set	-7011 Feb 19 j 01:37	23° $\overline{3}$ 27'11		max. Earth dist.	-7005 Mar 22 j 00:44	7° \approx 31'26	30.87034 AU
				morning rise	-7005 Apr 07 j 03:22	8° \approx 07'08	
conjunction	-7011 Mar 07 j 06:06	24° $\overline{3}$ 03'05	-2°24'02	retrograde	-7005 Jul 06 j 00:13	10° \approx 03'43	
minimum elong	-7011 Mar 07 j 06:06	24° $\overline{3}$ 03'05	2°24'30	opposition	-7005 Sep 21 j 22:45	8° \approx 39'21	-2°36'15
max. Earth dist.	-7011 Mar 07 j 15:18	24° $\overline{3}$ 03'56	30.85227 AU	min. Earth dist.	-7005 Sep 21 j 20:18	8° \approx 39'31	28.87536 AU
morning rise	-7011 Mar 23 j 11:42	24° $\overline{3}$ 39'06		direct	-7005 Dec 08 j 23:52	7° \approx 14'32	
retrograde	-7011 Jun 21 j 21:28	26° $\overline{3}$ 36'25		evening set	-7004 Mar 07 j 06:40	9° \approx 10'07	
opposition	-7011 Sep 08 j 07:57	25° $\overline{3}$ 11'36	-2°34'35				
min. Earth dist.	-7011 Sep 08 j 00:47	25° $\overline{3}$ 12'07	28.85408 AU	conjunction	-7004 Mar 23 j 12:15	9° \approx 46'04	-2°25'52
direct	-7011 Nov 25 j 02:20	23° $\overline{3}$ 47'02		minimum elong	-7004 Mar 23 j 12:15	9° \approx 46'04	2°26'16
evening set	-7010 Feb 21 j 16:05	25° $\overline{3}$ 41'56		max. Earth dist.	-7004 Mar 23 j 15:05	9° \approx 46'20	30.87643 AU
				morning rise	-7004 Apr 08 j 17:51	10° \approx 22'02	
conjunction	-7010 Mar 09 j 20:38	26° $\overline{3}$ 17'50	-2°24'58	retrograde	-7004 Jul 07 j 12:01	12° \approx 18'31	
minimum elong	-7010 Mar 09 j 20:39	26° $\overline{3}$ 17'50	2°25'25	opposition	-7004 Sep 23 j 09:13	10° \approx 54'16	-2°35'41
max. Earth dist.	-7010 Mar 10 j 03:51	26° $\overline{3}$ 18'30	30.85229 AU	min. Earth dist.	-7004 Sep 23 j 07:15	10° \approx 54'24	28.88122 AU
morning rise	-7010 Mar 26 j 02:27	26° $\overline{3}$ 53'50		direct	-7004 Dec 10 j 11:47	9° \approx 29'25	
retrograde	-7010 Jun 24 j 10:55	28° $\overline{3}$ 51'01		evening set	-7003 Mar 09 j 21:24	11° \approx 25'08	
opposition	-7010 Sep 10 j 18:29	27° $\overline{3}$ 26'14	-2°35'27				
min. Earth dist.	-7010 Sep 10 j 11:37	27° $\overline{3}$ 26'43	28.85460 AU	conjunction	-7003 Mar 26 j 02:57	12° \approx 01'04	-2°25'14
direct	-7010 Nov 27 j 14:42	26° $\overline{3}$ 01'34		minimum elong	-7003 Mar 26 j 02:57	12° \approx 01'04	2°25'37
evening set	-7009 Feb 24 j 06:29	27° $\overline{3}$ 56'35		max. Earth dist.	-7003 Mar 26 j 03:29	12° \approx 01'07	30.88205 AU
				morning rise	-7003 Apr 11 j 08:40	12° \approx 37'03	
conjunction	-7009 Mar 12 j 11:17	28° $\overline{3}$ 32'29	-2°25'41	retrograde	-7003 Jul 09 j 23:59	14° \approx 33'24	
minimum elong	-7009 Mar 12 j 11:17	28° $\overline{3}$ 32'29	2°26'07	opposition	-7003 Sep 25 j 19:40	13° \approx 09'14	-2°34'53
max. Earth dist.	-7009 Mar 12 j 18:31	28° $\overline{3}$ 33'09	30.85323 AU	min. Earth dist.	-7003 Sep 25 j 19:10	13° \approx 09'16	28.88655 AU
morning rise	-7009 Mar 28 j 16:57	29° $\overline{3}$ 08'29		direct	-7003 Dec 12 j 22:47	11° \approx 44'21	
	-7009 Apr 23 j 00:42	0° \approx		evening set	-7002 Mar 12 j 12:01	13° \approx 40'09	
retrograde	-7009 Jun 26 j 22:37	1° \approx 05'31					
	-7009 Sep 01 j 20:56	30° \overline{R} $\overline{3}$		conjunction	-7002 Mar 28 j 17:53	14° \approx 16'06	-2°24'23
opposition	-7009 Sep 13 j 04:58	29° $\overline{3}$ 40'47	-2°36'06	minimum elong	-7002 Mar 28 j 17:54	14° \approx 16'06	2°24'45
min. Earth dist.	-7009 Sep 12 j 23:27	29° $\overline{3}$ 41'10	28.85621 AU	max. Earth dist.	-7002 Mar 28 j 18:09	14° \approx 16'08	30.88689 AU
direct	-7009 Nov 30 j 02:47	28° $\overline{3}$ 16'03		morning rise	-7002 Apr 13 j 23:24	14° \approx 52'04	
	-7008 Feb 21 j 16:25	0° \approx			-7002 Apr 17 j 15:33	15° \approx	
evening set	-7008 Feb 26 j 20:53	0° \approx 11'10		retrograde	-7002 Jul 12 j 11:19	16° \approx 48'17	
				opposition	-7002 Sep 28 j 06:13	15° \approx 24'10	-2°33'51
conjunction	-7008 Mar 14 j 01:47	0° \approx 47'04	-2°26'10	min. Earth dist.	-7002 Sep 28 j 06:59	15° \approx 24'07	28.89083 AU

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

	-7002 Oct 12 j 14:15	15° \approx 8 \approx	conjunction	-6995 Apr 13 j 22:59	29° \approx 57'07	-2°12'29
direct	-7002 Dec 15 j 12:38	13° \approx 59'14	minimum elong	-6995 Apr 13 j 23:00	29° \approx 57'07	2°12'47
	-7001 Feb 15 j 17:24	15° \approx	max. Earth dist.	-6995 Apr 13 j 16:04	29° \approx 56'29	30.91647 AU
evening set	-7001 Mar 15 j 02:44	15° \approx 55'07		-6995 Apr 15 j 05:56	0° \approx	
			morning rise	-6995 Apr 30 j 04:01	0° \approx 32'58	
conjunction	-7001 Mar 31 j 08:32	16° \approx 31'04 -2°23'19	retrograde	-6995 Jul 27 j 21:58	2° \approx 27'59	
minimum elong	-7001 Mar 31 j 08:32	16° \approx 31'04 2°23'41	opposition	-6995 Oct 13 j 06:21	1° \approx 04'11	-2°20'21
max. Earth dist.	-7001 Mar 31 j 06:18	16° \approx 30'52 30.89081 AU	min. Earth dist.	-6995 Oct 13 j 12:34	1° \approx 03'44	28.92192 AU
morning rise	-7001 Apr 16 j 14:09	17° \approx 07'01		-6995 Nov 24 j 20:07	30° \approx	
retrograde	-7001 Jul 15 j 00:14	19° \approx 03'05	direct	-6995 Dec 31 j 03:23	29° \approx 38'47	
opposition	-7001 Sep 30 j 16:36	17° \approx 39'00 -2°32'36		-6994 Feb 05 j 02:33	0° \approx	
min. Earth dist.	-7001 Sep 30 j 18:01	17° \approx 38'54 28.89438 AU	evening set	-6994 Mar 31 j 06:50	1° \approx 35'02	
direct	-7001 Dec 18 j 00:57	16° \approx 13'59				
evening set	-7000 Mar 16 j 17:13	18° \approx 09'57	conjunction	-6994 Apr 16 j 13:10	2° \approx 10'59	-2°09'58
			minimum elong	-6994 Apr 16 j 13:10	2° \approx 10'59	2°10'14
conjunction	-7000 Apr 01 j 23:16	18° \approx 45'54 -2°22'02	max. Earth dist.	-6994 Apr 16 j 04:31	2° \approx 10'10	30.92456 AU
minimum elong	-7000 Apr 01 j 23:16	18° \approx 45'54 2°22'23	morning rise	-6994 May 02 j 18:11	2° \approx 46'49	
max. Earth dist.	-7000 Apr 01 j 20:44	18° \approx 45'40 30.89406 AU	retrograde	-6994 Jul 30 j 08:56	4° \approx 41'42	
morning rise	-7000 Apr 18 j 04:40	19° \approx 21'50	opposition	-6994 Oct 15 j 16:39	3° \approx 17'59	-2°17'33
retrograde	-7000 Jul 16 j 11:40	21° \approx 17'43	min. Earth dist.	-6994 Oct 15 j 23:47	3° \approx 17'28	28.93064 AU
opposition	-7000 Oct 02 j 03:03	19° \approx 53'41 -2°31'07	direct	-6993 Jan 02 j 14:11	1° \approx 52'34	
min. Earth dist.	-7000 Oct 02 j 06:11	19° \approx 53'27 28.89743 AU	evening set	-6993 Apr 02 j 20:51	3° \approx 48'54	
direct	-7000 Dec 19 j 13:44	18° \approx 28'35				
evening set	-6999 Mar 19 j 07:36	20° \approx 24'35	conjunction	-6993 Apr 19 j 03:21	4° \approx 24'51	-2°07'15
			minimum elong	-6993 Apr 19 j 03:22	4° \approx 24'51	2°07'31
conjunction	-6999 Apr 04 j 13:41	21° \approx 00'32 -2°20'32	max. Earth dist.	-6993 Apr 18 j 19:03	4° \approx 24'05	30.93380 AU
minimum elong	-6999 Apr 04 j 13:42	21° \approx 00'32 2°20'53	morning rise	-6993 May 05 j 08:04	5° \approx 00'41	
max. Earth dist.	-6999 Apr 04 j 09:21	21° \approx 00'08 30.89720 AU	retrograde	-6993 Aug 01 j 19:10	6° \approx 55'26	
morning rise	-6999 Apr 20 j 19:12	21° \approx 36'27	opposition	-6993 Oct 18 j 02:58	5° \approx 31'50	-2°14'32
retrograde	-6999 Jul 19 j 01:19	23° \approx 32'09	min. Earth dist.	-6993 Oct 18 j 11:02	5° \approx 31'15	28.94011 AU
opposition	-6999 Oct 04 j 13:18	22° \approx 08'08 -2°29'24	direct	-6992 Jan 05 j 02:40	4° \approx 06'26	
min. Earth dist.	-6999 Oct 04 j 16:31	22° \approx 07'55 28.90054 AU	evening set	-6992 Apr 04 j 11:05	6° \approx 02'51	
direct	-6999 Dec 22 j 03:40	20° \approx 42'58				
evening set	-6998 Mar 21 j 22:02	22° \approx 39'01	conjunction	-6992 Apr 20 j 17:25	6° \approx 38'48	-2°04'20
			minimum elong	-6992 Apr 20 j 17:25	6° \approx 38'48	2°04'34
conjunction	-6998 Apr 07 j 04:15	23° \approx 14'58 -2°18'50	max. Earth dist.	-6992 Apr 20 j 07:04	6° \approx 37'50	30.94363 AU
minimum elong	-6998 Apr 07 j 04:15	23° \approx 14'58 2°19'09	morning rise	-6992 May 06 j 22:09	7° \approx 14'37	
max. Earth dist.	-6998 Apr 06 j 23:19	23° \approx 14'30 30.90045 AU	retrograde	-6992 Aug 03 j 07:51	9° \approx 09'15	
morning rise	-6998 Apr 23 j 09:35	23° \approx 50'51	opposition	-6992 Oct 19 j 13:12	7° \approx 45'45	-2°11'19
retrograde	-6998 Jul 21 j 11:54	25° \approx 46'23	min. Earth dist.	-6992 Oct 19 j 21:40	7° \approx 45'09	28.95000 AU
opposition	-6998 Oct 06 j 23:37	24° \approx 22'24 -2°27'28	direct	-6991 Jan 06 j 13:53	6° \approx 20'22	
min. Earth dist.	-6998 Oct 07 j 04:41	24° \approx 22'02 28.90411 AU	evening set	-6991 Apr 07 j 01:08	8° \approx 16'52	
direct	-6998 Dec 24 j 15:33	22° \approx 57'08				
evening set	-6997 Mar 24 j 12:21	24° \approx 53'14	conjunction	-6991 Apr 23 j 07:37	8° \approx 52'49	-2°01'14
			minimum elong	-6991 Apr 23 j 07:38	8° \approx 52'49	2°01'27
conjunction	-6997 Apr 09 j 18:39	25° \approx 29'11 -2°16'55	max. Earth dist.	-6991 Apr 22 j 21:10	8° \approx 51'51	30.95336 AU
minimum elong	-6997 Apr 09 j 18:39	25° \approx 29'11 2°17'14	morning rise	-6991 May 09 j 12:04	9° \approx 28'37	
max. Earth dist.	-6997 Apr 09 j 12:52	25° \approx 28'39 30.90456 AU	retrograde	-6991 Aug 05 j 18:47	11° \approx 23'08	
morning rise	-6997 Apr 25 j 23:55	26° \approx 05'03	opposition	-6991 Oct 21 j 23:41	9° \approx 59'45	-2°07'55
retrograde	-6997 Jul 23 j 23:55	28° \approx 00'23	min. Earth dist.	-6991 Oct 22 j 09:56	9° \approx 59'01	28.95937 AU
opposition	-6997 Oct 09 j 09:52	26° \approx 36'27 -2°25'19	direct	-6990 Jan 09 j 02:35	8° \approx 34'22	
min. Earth dist.	-6997 Oct 09 j 14:38	26° \approx 36'07 28.90867 AU	evening set	-6990 Apr 09 j 15:27	10° \approx 30'56	
direct	-6997 Dec 27 j 04:46	25° \approx 11'08				
evening set	-6996 Mar 26 j 02:27	27° \approx 07'16	conjunction	-6990 Apr 25 j 21:47	11° \approx 06'53	-1°57'57
			minimum elong	-6990 Apr 25 j 21:47	11° \approx 06'53	1°58'08
conjunction	-6996 Apr 11 j 08:43	27° \approx 43'13 -2°14'49	max. Earth dist.	-6990 Apr 25 j 09:14	11° \approx 05'43	30.96246 AU
minimum elong	-6996 Apr 11 j 08:44	27° \approx 43'13 2°15'05	morning rise	-6990 May 12 j 02:10	11° \approx 42'40	
max. Earth dist.	-6996 Apr 11 j 01:51	27° \approx 42'34 30.90973 AU	retrograde	-6990 Aug 08 j 08:05	13° \approx 37'03	
morning rise	-6996 Apr 27 j 13:55	28° \approx 19'05	opposition	-6990 Oct 24 j 10:01	12° \approx 13'45	-2°04'18
	-6996 Jun 26 j 10:12	0° \approx	min. Earth dist.	-6990 Oct 24 j 20:27	12° \approx 13'00	28.96793 AU
retrograde	-6996 Jul 25 j 11:21	0° \approx 14'15	direct	-6989 Jan 11 j 16:27	10° \approx 48'21	
	-6996 Aug 23 j 15:32	30° \approx	evening set	-6989 Apr 12 j 05:38	12° \approx 45'00	
opposition	-6996 Oct 10 j 20:13	28° \approx 50'22 -2°22'57				
min. Earth dist.	-6996 Oct 11 j 02:19	28° \approx 49'56 28.91460 AU	conjunction	-6989 Apr 28 j 11:58	13° \approx 20'56	-1°54'30
direct	-6996 Dec 28 j 15:14	27° \approx 24'59	minimum elong	-6989 Apr 28 j 11:59	13° \approx 20'56	1°54'41
evening set	-6995 Mar 28 j 16:33	29° \approx 21'10	max. Earth dist.	-6989 Apr 27 j 22:45	13° \approx 19'43	30.97052 AU
			morning rise	-6989 May 14 j 16:03	13° \approx 56'42	

Attention, astronomical year style is used: The year -6989 in astronomical counting style is the year 6990 BCE in historical counting style.

retrograde	-6989 Aug 10 j 18:49	15° H 50'57		minimum elong	-6982 May 14 j 11:16	28° H 55'34	1°26'01
opposition	-6989 Oct 26 j 20:37	14° H 27'43	-2°00'31	max. Earth dist.	-6982 May 13 j 16:57	28° H 53'52	31.02090 AU
min. Earth dist.	-6989 Oct 27 j 09:03	14° H 26'50	28.97551 AU	morning rise	-6982 May 30 j 13:34	29° H 31'11	
direct	-6988 Jan 14 j 04:39	13° H 02'19			-6982 Jun 13 j 06:11	0° Y	
evening set	-6988 Apr 13 j 19:33	14° H 58'59		retrograde	-6982 Aug 25 j 20:41	1° Y 24'24	
max. Earth dist.	-6988 Apr 29 j 11:24	15° H 33'34	30.97778 AU	opposition	-6982 Nov 10 j 21:16	0° Y 01'34	-1°29'29
					-6982 Nov 11 j 19:24	30° R H	
conjunction	-6988 Apr 30 j 01:49	15° H 34'55	-1°50'53	min. Earth dist.	-6982 Nov 11 j 14:17	0° Y 00'22	29.02673 AU
minimum elong	-6988 Apr 30 j 01:50	15° H 34'55	1°51'02	direct	-6981 Jan 29 j 17:27	28° H 35'58	
morning rise	-6988 May 16 j 05:47	16° H 10'40			-6981 Apr 15 j 02:40	0° Y	
retrograde	-6988 Aug 12 j 06:57	18° H 04'45		evening set	-6981 Apr 30 j 19:11	0° Y 32'47	
opposition	-6988 Oct 28 j 06:59	16° H 41'35	-1°56'34	max. Earth dist.	-6981 May 16 j 04:42	1° Y 06'48	31.03124 AU
min. Earth dist.	-6988 Oct 28 j 19:27	16° H 40'42	28.98222 AU				
direct	-6987 Jan 15 j 18:22	15° H 16'08		conjunction	-6981 May 17 j 00:24	1° Y 08'38	-1°21'20
evening set	-6987 Apr 16 j 09:35	17° H 12'50		minimum elong	-6981 May 17 j 00:24	1° Y 08'38	1°21'23
				morning rise	-6981 Jun 02 j 02:34	1° Y 44'13	
conjunction	-6987 May 02 j 15:45	17° H 48'46	-1°47'06	retrograde	-6981 Aug 28 j 08:59	3° Y 37'20	
minimum elong	-6987 May 02 j 15:46	17° H 48'46	1°47'15	opposition	-6981 Nov 13 j 07:41	2° Y 14'35	-1°24'28
max. Earth dist.	-6987 May 01 j 23:59	17° H 47'18	30.98422 AU	min. Earth dist.	-6981 Nov 14 j 00:16	2° Y 13'25	29.03739 AU
morning rise	-6987 May 18 j 19:29	18° H 24'30		direct	-6980 Feb 01 j 06:43	0° Y 49'01	
retrograde	-6987 Aug 14 j 18:32	20° H 18'25		evening set	-6980 May 02 j 08:22	2° Y 45'52	
opposition	-6987 Oct 30 j 17:19	18° H 55'18	-1°52'26				
min. Earth dist.	-6987 Oct 31 j 07:27	18° H 54'18	28.98848 AU	conjunction	-6980 May 18 j 13:28	3° Y 21'42	-1°16'35
direct	-6986 Jan 18 j 05:37	17° H 29'49		minimum elong	-6980 May 18 j 13:29	3° Y 21'42	1°16'36
evening set	-6986 Apr 18 j 23:27	19° H 26'32		max. Earth dist.	-6980 May 17 j 17:52	3° Y 19'53	31.04217 AU
				morning rise	-6980 Jun 03 j 15:12	3° Y 57'17	
conjunction	-6986 May 05 j 05:37	20° H 02'27	-1°43'09	retrograde	-6980 Aug 29 j 19:22	5° Y 50'18	
minimum elong	-6986 May 05 j 05:38	20° H 02'27	1°43'17	opposition	-6980 Nov 14 j 18:17	4° Y 27'38	-1°19'19
max. Earth dist.	-6986 May 04 j 13:30	20° H 00'58	30.99046 AU	min. Earth dist.	-6980 Nov 15 j 12:32	4° Y 26'21	29.04840 AU
morning rise	-6986 May 21 j 09:05	20° H 38'10		direct	-6979 Feb 02 j 18:22	3° Y 02'06	
retrograde	-6986 Aug 17 j 04:31	22° H 31'56		evening set	-6979 May 04 j 21:45	4° Y 59'00	
opposition	-6986 Nov 02 j 03:42	21° H 08'51	-1°48'09	max. Earth dist.	-6979 May 20 j 06:02	5° Y 32'54	31.05321 AU
min. Earth dist.	-6986 Nov 02 j 18:08	21° H 07'50	28.99455 AU				
direct	-6985 Jan 20 j 18:40	19° H 43'20		conjunction	-6979 May 21 j 02:34	5° Y 34'49	-1°11'43
evening set	-6985 Apr 21 j 13:11	21° H 40'03		minimum elong	-6979 May 21 j 02:34	5° Y 34'49	1°11'43
				morning rise	-6979 Jun 06 j 04:01	6° Y 10'22	
conjunction	-6985 May 07 j 19:05	22° H 15'58	-1°39'04	retrograde	-6979 Sep 01 j 07:37	8° Y 03'17	
minimum elong	-6985 May 07 j 19:06	22° H 15'58	1°39'12	opposition	-6979 Nov 17 j 04:41	6° Y 40'43	-1°14'03
max. Earth dist.	-6985 May 07 j 01:24	22° H 14'19	30.99673 AU	min. Earth dist.	-6979 Nov 17 j 22:49	6° Y 39'26	29.05907 AU
morning rise	-6985 May 23 j 22:23	22° H 51'39		direct	-6978 Feb 05 j 08:17	5° Y 15'12	
retrograde	-6985 Aug 19 j 14:33	24° H 45'16		evening set	-6978 May 07 j 11:11	7° Y 12'08	
opposition	-6985 Nov 04 j 14:06	23° H 22'14	-1°43'42				
min. Earth dist.	-6985 Nov 05 j 05:18	23° H 21'09	29.00115 AU	conjunction	-6978 May 23 j 15:41	7° Y 47'56	-1°06'44
direct	-6984 Jan 23 j 05:53	21° H 56'39		minimum elong	-6978 May 23 j 15:42	7° Y 47'56	1°06'43
evening set	-6984 Apr 23 j 02:42	23° H 53'23		max. Earth dist.	-6978 May 22 j 18:08	7° Y 45'56	31.06349 AU
				morning rise	-6978 Jun 08 j 16:44	8° Y 23'27	
conjunction	-6984 May 09 j 08:36	24° H 29'18	-1°34'51	retrograde	-6978 Sep 03 j 19:32	10° Y 16'17	
minimum elong	-6984 May 09 j 08:37	24° H 29'18	1°34'56	opposition	-6978 Nov 19 j 15:29	8° Y 53'47	-1°08'41
max. Earth dist.	-6984 May 08 j 15:27	24° H 27'42	31.00373 AU	min. Earth dist.	-6978 Nov 20 j 11:05	8° Y 52'24	29.06895 AU
morning rise	-6984 May 25 j 11:31	25° H 04'57		direct	-6977 Feb 07 j 20:27	7° Y 28'17	
retrograde	-6984 Aug 20 j 23:38	26° H 58'25		evening set	-6977 May 10 j 00:21	9° Y 25'14	
opposition	-6984 Nov 06 j 00:26	25° H 35'26	-1°39'06	max. Earth dist.	-6977 May 25 j 06:44	9° Y 58'59	31.07284 AU
min. Earth dist.	-6984 Nov 06 j 16:22	25° H 34'19	29.00851 AU				
direct	-6983 Jan 24 j 17:56	24° H 09'50		conjunction	-6977 May 26 j 04:36	10° Y 01'00	-1°01'40
evening set	-6983 Apr 25 j 16:16	26° H 06'35		minimum elong	-6977 May 26 j 04:36	10° Y 01'00	1°01'39
				morning rise	-6977 Jun 11 j 05:13	10° Y 36'29	
conjunction	-6983 May 11 j 21:52	26° H 42'28	-1°30'28	retrograde	-6977 Sep 06 j 05:25	12° Y 29'13	
minimum elong	-6983 May 11 j 21:53	26° H 42'28	1°30'33	opposition	-6977 Nov 22 j 02:13	11° Y 06'47	-1°03'13
max. Earth dist.	-6983 May 11 j 03:03	26° H 40'43	31.01175 AU	min. Earth dist.	-6977 Nov 22 j 22:07	11° Y 05'23	29.07756 AU
morning rise	-6983 May 28 j 00:41	27° H 18'07		direct	-6976 Feb 10 j 10:15	9° Y 41'17	
retrograde	-6983 Aug 23 j 11:16	29° H 11'27		evening set	-6976 May 11 j 13:38	11° Y 38'13	
opposition	-6983 Nov 08 j 10:48	27° H 48'32	-1°34'22				
min. Earth dist.	-6983 Nov 09 j 02:36	27° H 47'25	29.01709 AU	conjunction	-6976 May 27 j 17:26	12° Y 13'59	-0°56'31
direct	-6982 Jan 27 j 04:40	26° H 22'55		minimum elong	-6976 May 27 j 17:27	12° Y 13'59	0°56'28
evening set	-6982 Apr 28 j 05:42	28° H 19'42		max. Earth dist.	-6976 May 26 j 17:53	12° Y 11'47	31.08090 AU
				morning rise	-6976 Jun 12 j 17:44	12° Y 49'26	
conjunction	-6982 May 14 j 11:15	28° H 55'34	-1°25'58	retrograde	-6976 Sep 07 j 15:54	14° Y 42'03	

Attention, astronomical year style is used: The year -6976 in astronomical counting style is the year 6977 BCE in historical counting style.

opposition	-6976 Nov 23 j 12:50	13° Υ 19'39	-0°57'39	minimum elong	-6969 Jun 13 j 07:26	27° Υ 39'43	0°18'33
min. Earth dist.	-6976 Nov 24 j 09:40	13° Υ 18'11	29.08510 AU	morning rise	-6969 Jun 29 j 04:23	28° Υ 14'56	
direct	-6975 Feb 11 j 21:34	11° Υ 54'08			-6969 Sep 03 j 14:56	0° \mathcal{B}	
evening set	-6975 May 14 j 02:41	13° Υ 51'03		retrograde	-6969 Sep 23 j 16:08	0° \mathcal{B} 06'57	
max. Earth dist.	-6975 May 29 j 07:03	14° Υ 24'38	31.08791 AU		-6969 Oct 13 j 19:04	30° $\mathcal{R}\Upsilon$	
				opposition	-6969 Dec 09 j 16:11	28° Υ 44'45	-0°17'04
conjunction	-6975 May 30 j 06:19	14° Υ 26'48	-0°51'17	min. Earth dist.	-6969 Dec 10 j 15:21	28° Υ 43'08	29.13326 AU
minimum elong	-6975 May 30 j 06:20	14° Υ 26'48	0°51'13	direct	-6968 Feb 28 j 12:33	27° Υ 19'13	
morning rise	-6975 Jun 15 j 06:05	15° Υ 02'13		evening set	-6968 May 29 j 18:44	29° Υ 16'05	
retrograde	-6975 Sep 10 j 00:53	16° Υ 54'42					
opposition	-6975 Nov 25 j 23:37	15° Υ 32'20	-0°52'01	conjunction	-6968 Jun 14 j 19:15	29° Υ 51'36	-0°13'10
min. Earth dist.	-6975 Nov 26 j 21:24	15° Υ 30'49	29.09148 AU	minimum elong	-6968 Jun 14 j 19:16	29° Υ 51'36	0°12'58
direct	-6974 Feb 14 j 10:14	14° Υ 06'48		behind sun begin	-6968 Jun 14 j 15:20	29° Υ 51'15	
evening set	-6974 May 16 j 15:46	16° Υ 03'42		behind sun end	-6968 Jun 14 j 23:11	29° Υ 51'57	
				max. Earth dist.	-6968 Jun 13 j 18:17	29° Υ 49'17	31.13784 AU
conjunction	-6974 Jun 01 j 18:51	16° Υ 39'24	-0°45'59		-6968 Jun 18 j 13:26	0° \mathcal{B}	
minimum elong	-6974 Jun 01 j 18:51	16° Υ 39'24	0°45'53	morning rise	-6968 Jun 30 j 15:40	0° \mathcal{B} 26'46	
max. Earth dist.	-6974 May 31 j 17:52	16° Υ 37'05	31.09400 AU	retrograde	-6968 Sep 25 j 01:44	2° \mathcal{B} 18'45	
morning rise	-6974 Jun 17 j 18:19	17° Υ 14'48		opposition	-6968 Dec 11 j 02:55	0° \mathcal{B} 56'38	-0°11'06
retrograde	-6974 Sep 12 j 11:44	19° Υ 07'10		min. Earth dist.	-6968 Dec 12 j 01:54	0° \mathcal{B} 55'02	29.14308 AU
opposition	-6974 Nov 28 j 10:16	17° Υ 44'49	-0°46'19		-6967 Jan 17 j 07:56	30° $\mathcal{R}\Upsilon$	
min. Earth dist.	-6974 Nov 29 j 08:00	17° Υ 43'18	29.09732 AU	direct	-6967 Mar 02 j 01:57	29° Υ 31'10	
direct	-6973 Feb 16 j 21:34	16° Υ 19'15			-6967 Apr 13 j 19:30	0° \mathcal{B}	
evening set	-6973 May 19 j 04:32	18° Υ 16'08		evening set	-6967 Jun 01 j 07:06	1° \mathcal{B} 28'04	
max. Earth dist.	-6973 Jun 03 j 07:02	18° Υ 49'32	31.09969 AU	max. Earth dist.	-6967 Jun 16 j 05:00	2° \mathcal{B} 01'07	31.14780 AU
conjunction	-6973 Jun 04 j 07:23	18° Υ 51'48	-0°40'37	conjunction	-6967 Jun 17 j 07:00	2° \mathcal{B} 03'33	-0°07'36
minimum elong	-6973 Jun 04 j 07:24	18° Υ 51'48	0°40'31	minimum elong	-6967 Jun 17 j 07:00	2° \mathcal{B} 03'32	0°07'24
morning rise	-6973 Jun 20 j 06:14	19° Υ 27'09		behind sun begin	-6967 Jun 17 j 01:03	2° \mathcal{B} 03'01	
retrograde	-6973 Sep 14 j 20:14	21° Υ 19'26		behind sun end	-6967 Jun 17 j 12:57	2° \mathcal{B} 04'04	
opposition	-6973 Nov 30 j 21:05	19° Υ 57'05	-0°40'34	morning rise	-6967 Jul 03 j 02:56	2° \mathcal{B} 38'41	
min. Earth dist.	-6973 Dec 01 j 20:00	19° Υ 55'29	29.10299 AU	retrograde	-6967 Sep 27 j 12:39	4° \mathcal{B} 30'38	
direct	-6972 Feb 19 j 10:12	18° Υ 31'30		opposition	-6967 Dec 13 j 13:53	3° \mathcal{B} 08'36	-0°05'08
evening set	-6972 May 20 j 17:08	20° Υ 28'21		min. Earth dist.	-6967 Dec 14 j 13:14	3° \mathcal{B} 06'59	29.15308 AU
				direct	-6966 Mar 04 j 13:09	1° \mathcal{B} 43'12	
conjunction	-6972 Jun 05 j 19:27	21° Υ 03'59	-0°35'12	evening set	-6966 Jun 03 j 19:14	3° \mathcal{B} 40'07	
minimum elong	-6972 Jun 05 j 19:28	21° Υ 03'59	0°35'04				
max. Earth dist.	-6972 Jun 04 j 17:57	21° Υ 01'37	31.10559 AU	conjunction	-6966 Jun 19 j 18:42	4° \mathcal{B} 15'34	-0°02'00
morning rise	-6972 Jun 21 j 18:02	21° Υ 39'18		minimum elong	-6966 Jun 19 j 18:43	4° \mathcal{B} 15'34	0°01'46
retrograde	-6972 Sep 16 j 07:23	23° Υ 31'29		behind sun begin	-6966 Jun 19 j 12:12	4° \mathcal{B} 14'59	
opposition	-6972 Dec 02 j 07:44	22° Υ 09'09	-0°34'45	behind sun end	-6966 Jun 20 j 01:13	4° \mathcal{B} 16'08	
min. Earth dist.	-6972 Dec 03 j 05:56	22° Υ 07'36	29.10909 AU	max. Earth dist.	-6966 Jun 18 j 17:33	4° \mathcal{B} 13'13	31.15755 AU
direct	-6971 Feb 20 j 22:59	20° Υ 43'32		morning rise	-6966 Jul 05 j 13:56	4° \mathcal{B} 50'40	
evening set	-6971 May 23 j 05:41	22° Υ 40'23		retrograde	-6966 Sep 29 j 21:54	6° \mathcal{B} 42'36	
max. Earth dist.	-6971 Jun 07 j 06:36	23° Υ 13'40	31.11201 AU	asc. node	-6966 Oct 25 j 12:19	6° \mathcal{B} 31'36	
				opposition	-6966 Dec 16 j 01:02	5° \mathcal{B} 20'39	0°00'51
conjunction	-6971 Jun 08 j 07:39	23° Υ 15'59	-0°29'45	min. Earth dist.	-6966 Dec 17 j 01:03	5° \mathcal{B} 18'59	29.16244 AU
minimum elong	-6971 Jun 08 j 07:40	23° Υ 15'59	0°29'37	direct	-6965 Mar 07 j 01:47	3° \mathcal{B} 55'17	
morning rise	-6971 Jun 24 j 05:35	23° Υ 51'17		evening set	-6965 Jun 06 j 07:33	5° \mathcal{B} 52'12	
retrograde	-6971 Sep 18 j 16:57	25° Υ 43'23		max. Earth dist.	-6965 Jun 21 j 03:44	6° \mathcal{B} 25'08	31.16651 AU
opposition	-6971 Dec 04 j 18:29	24° Υ 21'05	-0°28'54				
min. Earth dist.	-6971 Dec 05 j 17:52	24° Υ 19'27	29.11602 AU	conjunction	-6965 Jun 22 j 06:17	6° \mathcal{B} 27'37	0°03'43
direct	-6970 Feb 23 j 10:23	22° Υ 55'28		minimum elong	-6965 Jun 22 j 06:17	6° \mathcal{B} 27'37	0°03'57
evening set	-6970 May 25 j 18:13	24° Υ 52'19		behind sun begin	-6965 Jun 21 j 23:51	6° \mathcal{B} 27'02	
				behind sun end	-6965 Jun 22 j 12:42	6° \mathcal{B} 28'11	
conjunction	-6970 Jun 10 j 19:39	25° Υ 27'53	-0°24'15	morning rise	-6965 Jul 08 j 01:04	7° \mathcal{B} 02'41	
minimum elong	-6970 Jun 10 j 19:40	25° Υ 27'53	0°24'05	retrograde	-6965 Oct 02 j 08:54	8° \mathcal{B} 54'36	
max. Earth dist.	-6970 Jun 09 j 18:21	25° Υ 25'32	31.11956 AU	opposition	-6965 Dec 18 j 12:07	7° \mathcal{B} 32'42	0°06'50
morning rise	-6970 Jun 26 j 17:09	26° Υ 03'08		min. Earth dist.	-6965 Dec 19 j 11:49	7° \mathcal{B} 31'03	29.17099 AU
retrograde	-6970 Sep 21 j 04:29	27° Υ 55'10		direct	-6964 Mar 08 j 12:59	6° \mathcal{B} 07'22	
opposition	-6970 Dec 07 j 05:17	26° Υ 32'55	-0°23'00	evening set	-6964 Jun 07 j 19:30	8° \mathcal{B} 04'17	
min. Earth dist.	-6970 Dec 08 j 03:46	26° Υ 31'21	29.12406 AU				
direct	-6969 Feb 26 j 00:28	25° Υ 07'20		conjunction	-6964 Jun 23 j 17:50	8° \mathcal{B} 39'39	0°09'17
evening set	-6969 May 28 j 06:29	27° Υ 04'11		minimum elong	-6964 Jun 23 j 17:50	8° \mathcal{B} 39'39	0°09'33
max. Earth dist.	-6969 Jun 12 j 06:01	27° Υ 37'22	31.12817 AU	behind sun begin	-6964 Jun 23 j 12:27	8° \mathcal{B} 39'10	
				behind sun end	-6964 Jun 23 j 23:14	8° \mathcal{B} 40'08	
conjunction	-6969 Jun 13 j 07:26	27° Υ 39'43	-0°18'43	max. Earth dist.	-6964 Jun 22 j 15:58	8° \mathcal{B} 37'14	31.17438 AU

Attention, astronomical year style is used: The year -6964 in astronomical counting style is the year 6965 BCE in historical counting style.

morning rise	-6964 Jul 09 j 11:54	9°8'14"41		morning rise	-6958 Jul 23 j 02:32	22°8'23"16	
retrograde	-6964 Oct 03 j 16:53	11°8'06"34		retrograde	-6958 Oct 17 j 07:11	24°8'14"59	
opposition	-6964 Dec 19 j 23:23	9°8'44"41	0°12'47	opposition	-6957 Jan 02 j 19:01	22°8'53"03	0°47'45
min. Earth dist.	-6964 Dec 21 j 00:18	9°8'42"58	29.17822 AU	min. Earth dist.	-6957 Jan 03 j 19:10	22°8'51"23	29.20983 AU
direct	-6963 Mar 11 j 01:09	8°8'19"23		direct	-6957 Mar 25 j 04:13	21°8'27"44	
evening set	-6963 Jun 10 j 07:39	10°8'16"16		evening set	-6957 Jun 24 j 04:52	23°8'24"21	
max. Earth dist.	-6963 Jun 25 j 02:07	10°8'49"04	31.18104 AU				
conjunction	-6963 Jun 26 j 05:15	10°8'51"36	0°14'50	conjunction	-6957 Jul 09 j 22:43	23°8'59"23	0°47'23
minimum elong	-6963 Jun 26 j 05:14	10°8'51"36	0°15'06	minimum elong	-6957 Jul 09 j 22:42	23°8'59"23	0°47'43
behind sun begin	-6963 Jun 26 j 03:01	10°8'51"24		max. Earth dist.	-6957 Jul 08 j 21:41	23°8'57"03	31.21276 AU
behind sun end	-6963 Jun 26 j 07:28	10°8'51"48		morning rise	-6957 Jul 25 j 12:26	24°8'34"05	
morning rise	-6963 Jul 11 j 22:51	11°8'26"35		retrograde	-6957 Oct 19 j 16:17	26°8'25"49	
retrograde	-6963 Oct 06 j 03:39	13°8'18"26		opposition	-6956 Jan 05 j 06:25	25°8'03"54	0°53'22
opposition	-6963 Dec 22 j 10:29	11°8'56"34	0°18'44	min. Earth dist.	-6956 Jan 06 j 06:31	25°8'02"15	29.21705 AU
min. Earth dist.	-6963 Dec 23 j 10:45	11°8'54"54	29.18427 AU	direct	-6956 Mar 26 j 17:27	23°8'38"39	
direct	-6962 Mar 13 j 12:57	10°8'31"16		evening set	-6956 Jun 25 j 16:05	25°8'35"15	
evening set	-6962 Jun 12 j 19:34	12°8'28"07		max. Earth dist.	-6956 Jul 10 j 07:29	26°8'07"50	31.22052 AU
conjunction	-6962 Jun 28 j 16:39	13°8'03"24	0°20'22	conjunction	-6956 Jul 11 j 09:07	26°8'10"14	0°52'36
minimum elong	-6962 Jun 28 j 16:39	13°8'03"24	0°20'39	minimum elong	-6956 Jul 11 j 09:06	26°8'10"14	0°52'58
max. Earth dist.	-6962 Jun 27 j 13:55	13°8'00"54	31.18652 AU	morning rise	-6956 Jul 26 j 22:23	26°8'44"54	
morning rise	-6962 Jul 14 j 09:30	13°8'38"21		retrograde	-6956 Oct 21 j 03:07	28°8'36"40	
retrograde	-6962 Aug 27 j 09:36	15°8'		opposition	-6955 Jan 06 j 17:48	27°8'14"47	0°58'55
retrograde	-6962 Oct 08 j 13:05	15°8'30"10		min. Earth dist.	-6955 Jan 07 j 16:51	27°8'13"13	29.22526 AU
retrograde	-6962 Nov 21 j 02:29	15°8'		direct	-6955 Mar 29 j 04:43	25°8'49"36	
opposition	-6962 Dec 24 j 21:52	14°8'08"17	0°24'38	evening set	-6955 Jun 28 j 03:10	27°8'46"12	
min. Earth dist.	-6962 Dec 25 j 23:20	14°8'06"32	29.18940 AU	conjunction	-6955 Jul 13 j 19:39	28°8'21"08	0°57'45
direct	-6961 Mar 15 j 23:58	12°8'42"59		minimum elong	-6955 Jul 13 j 19:38	28°8'21"08	0°58'07
evening set	-6961 Jun 15 j 07:13	14°8'39"46		max. Earth dist.	-6955 Jul 12 j 19:25	28°8'18"52	31.22889 AU
max. Earth dist.	-6961 Jun 24 j 10:56	15°8'		morning rise	-6955 Jul 29 j 08:05	28°8'55"45	
max. Earth dist.	-6961 Jun 30 j 00:44	15°8'12"29	31.19137 AU	retrograde	-6955 Aug 30 j 21:09	0°II	
conjunction	-6961 Jul 01 j 03:37	15°8'15"00	0°25'52	retrograde	-6955 Oct 23 j 11:23	0°II47'35	
minimum elong	-6961 Jul 01 j 03:37	15°8'15"00	0°26'09	retrograde	-6955 Dec 18 j 17:23	30°8'	
morning rise	-6961 Jul 16 j 19:58	15°8'49"54		opposition	-6954 Jan 09 j 05:25	29°8'25"46	1°04'22
retrograde	-6961 Oct 10 j 23:56	17°8'41"41		min. Earth dist.	-6954 Jan 10 j 05:06	29°8'24"08	29.23377 AU
opposition	-6961 Dec 27 j 09:05	16°8'19"47	0°30'30	direct	-6954 Mar 31 j 16:21	28°8'00"40	
min. Earth dist.	-6961 Dec 28 j 09:42	16°8'18"05	29.19397 AU	evening set	-6954 Jun 30 j 14:23	29°8'57"15	
direct	-6960 Feb 27 j 20:57	15°8'		max. Earth dist.	-6954 Jul 01 j 20:30	0°II	
direct	-6960 Mar 17 j 14:31	14°8'54"27		max. Earth dist.	-6954 Jul 15 j 05:15	0°II29'50	31.23741 AU
evening set	-6960 Apr 05 j 04:36	15°8'		conjunction	-6954 Jul 16 j 06:01	0°II32'09	1°02'49
max. Earth dist.	-6960 Jun 16 j 18:50	16°8'51"12		minimum elong	-6954 Jul 16 j 06:00	0°II32'09	1°03'12
max. Earth dist.	-6960 Jul 01 j 11:39	17°8'23"52	31.19580 AU	morning rise	-6954 Jul 31 j 17:57	1°II06'44	
conjunction	-6960 Jul 02 j 14:37	17°8'26"23	0°31'20	retrograde	-6954 Oct 25 j 22:26	2°II58'37	
minimum elong	-6960 Jul 02 j 14:36	17°8'26"23	0°31'38	opposition	-6953 Jan 11 j 17:05	1°II36'51	1°09'44
morning rise	-6960 Jul 18 j 06:19	18°8'01"13		min. Earth dist.	-6953 Jan 12 j 15:35	1°II35'18	29.24214 AU
retrograde	-6960 Oct 12 j 10:59	19°8'52"59		direct	-6953 Apr 03 j 03:22	0°II11'50	
opposition	-6960 Dec 28 j 20:15	18°8'31"03	0°36'18	evening set	-6953 Jul 03 j 01:19	2°II08'24	
min. Earth dist.	-6960 Dec 29 j 21:28	18°8'29"19	29.19861 AU	conjunction	-6953 Jul 18 j 16:20	2°II43'16	1°07'48
direct	-6959 Mar 20 j 02:30	17°8'05"43		minimum elong	-6953 Jul 18 j 16:20	2°II43'15	1°08'11
evening set	-6959 Jun 19 j 06:18	19°8'02"25		max. Earth dist.	-6953 Jul 17 j 16:20	2°II41'01	31.24533 AU
max. Earth dist.	-6959 Jul 03 j 23:18	19°8'35"06	31.20060 AU	morning rise	-6953 Aug 03 j 03:32	3°II17'48	
conjunction	-6959 Jul 05 j 01:29	19°8'37"32	0°36'44	retrograde	-6953 Oct 28 j 08:19	5°II09'46	
minimum elong	-6959 Jul 05 j 01:28	19°8'37"32	0°37'03	opposition	-6952 Jan 14 j 04:57	3°II48'02	1°15'00
morning rise	-6959 Jul 20 j 16:32	20°8'12"20		min. Earth dist.	-6952 Jan 15 j 04:25	3°II46'26	29.24973 AU
retrograde	-6959 Oct 14 j 20:12	22°8'04"04		direct	-6952 Apr 04 j 13:50	2°II23'06	
opposition	-6959 Dec 31 j 07:36	20°8'42"07	0°42'03	evening set	-6952 Jul 04 j 12:25	4°II19'40	
min. Earth dist.	-6958 Jan 01 j 08:09	20°8'40"26	29.20367 AU	max. Earth dist.	-6952 Jul 19 j 02:42	4°II52'13	31.25232 AU
direct	-6958 Mar 22 j 16:16	19°8'16"47		conjunction	-6952 Jul 20 j 02:42	4°II54'28	1°12'40
evening set	-6958 Jun 21 j 17:41	21°8'13"26		minimum elong	-6952 Jul 20 j 02:41	4°II54'28	1°13'04
max. Earth dist.	-6958 Jul 06 j 09:28	21°8'46"02	31.20608 AU	morning rise	-6952 Aug 04 j 13:19	5°II28'58	
conjunction	-6958 Jul 07 j 12:03	21°8'48"31	0°42'05	retrograde	-6952 Oct 29 j 19:23	7°II20'59	
minimum elong	-6958 Jul 07 j 12:02	21°8'48"31	0°42'26	opposition	-6951 Jan 15 j 16:37	5°II59'17	1°20'10
				min. Earth dist.	-6951 Jan 16 j 15:10	5°II57'45	29.25606 AU

Attention, astronomical year style is used: The year -6951 in astronomical counting style is the year 6952 BCE in historical counting style.

direct	-6951 Apr 07 j 03:16	4° Π 34'24		retrograde	-6945 Nov 14 j 19:14	22° Π 38'03	
evening set	-6951 Jul 06 j 23:30	6° Π 30'57		opposition	-6944 Feb 01 j 04:47	21° Π 16'11	1°52'35
				min. Earth dist.	-6944 Feb 02 j 00:06	21° Π 14'52	29.27613 AU
conjunction	-6951 Jul 22 j 13:04	7° Π 05'43	1°17'27	direct	-6944 Apr 22 j 17:59	19° Π 51'30	
minimum elong	-6951 Jul 22 j 13:03	7° Π 05'43	1°17'50	evening set	-6944 Jul 22 j 01:02	21° Π 47'40	
max. Earth dist.	-6951 Jul 21 j 12:52	7° Π 03'26	31.25787 AU				
morning rise	-6951 Aug 06 j 23:01	7° Π 40'10		conjunction	-6944 Aug 06 j 09:54	22° Π 22'04	1°47'18
retrograde	-6951 Nov 01 j 07:14	9° Π 32'15		minimum elong	-6944 Aug 06 j 09:54	22° Π 22'04	1°47'45
opposition	-6950 Jan 18 j 04:37	8° Π 10'33	1°25'12	max. Earth dist.	-6944 Aug 05 j 13:50	22° Π 20'11	31.27670 AU
min. Earth dist.	-6950 Jan 19 j 03:43	8° Π 08'59	29.26107 AU	morning rise	-6944 Aug 21 j 15:42	22° Π 56'15	
direct	-6950 Apr 09 j 14:27	6° Π 45'43		retrograde	-6944 Nov 16 j 04:39	24° Π 48'44	
evening set	-6950 Jul 09 j 10:20	8° Π 42'14		opposition	-6943 Feb 02 j 16:54	23° Π 26'51	1°56'37
				min. Earth dist.	-6943 Feb 03 j 12:32	23° Π 25'31	29.28004 AU
conjunction	-6950 Jul 24 j 23:15	9° Π 16'56	1°22'06	direct	-6943 Apr 25 j 04:29	22° Π 02'14	
minimum elong	-6950 Jul 24 j 23:15	9° Π 16'56	1°22'31	evening set	-6943 Jul 24 j 11:13	23° Π 58'21	
max. Earth dist.	-6950 Jul 23 j 23:50	9° Π 14'45	31.26212 AU				
morning rise	-6950 Aug 09 j 08:32	9° Π 51'21		conjunction	-6943 Aug 08 j 19:26	24° Π 32'43	1°51'00
retrograde	-6950 Nov 03 j 16:52	11° Π 43'30		minimum elong	-6943 Aug 08 j 19:25	24° Π 32'43	1°51'27
opposition	-6949 Jan 20 j 16:39	10° Π 21'47	1°30'07	max. Earth dist.	-6943 Aug 08 j 00:13	24° Π 30'54	31.28094 AU
min. Earth dist.	-6949 Jan 21 j 15:12	10° Π 20'15	29.26462 AU	morning rise	-6943 Aug 24 j 00:44	25° Π 06'51	
direct	-6949 Apr 12 j 03:55	8° Π 56'59		retrograde	-6943 Nov 18 j 15:15	26° Π 59'26	
evening set	-6949 Jul 11 j 21:12	10° Π 53'27		opposition	-6942 Feb 05 j 05:08	25° Π 37'34	2°00'28
max. Earth dist.	-6949 Jul 26 j 09:15	11° Π 25'51	31.26505 AU	min. Earth dist.	-6942 Feb 05 j 23:09	25° Π 36'21	29.28443 AU
				direct	-6942 Apr 27 j 16:45	24° Π 13'02	
conjunction	-6949 Jul 27 j 09:19	11° Π 28'06	1°26'38	evening set	-6942 Jul 26 j 21:16	26° Π 09'07	
minimum elong	-6949 Jul 27 j 09:19	11° Π 28'06	1°27'03	max. Earth dist.	-6942 Aug 10 j 09:59	26° Π 41'40	31.28533 AU
morning rise	-6949 Aug 11 j 18:06	12° Π 02'29					
retrograde	-6949 Nov 06 j 04:37	13° Π 54'39		conjunction	-6942 Aug 11 j 04:48	26° Π 43'26	1°54'32
opposition	-6948 Jan 23 j 04:31	12° Π 32'55	1°34'54	minimum elong	-6942 Aug 11 j 04:48	26° Π 43'26	1°55'00
min. Earth dist.	-6948 Jan 24 j 02:52	12° Π 31'24	29.26721 AU	morning rise	-6942 Aug 26 j 09:37	27° Π 17'32	
direct	-6948 Apr 13 j 16:13	11° Π 08'08		retrograde	-6942 Nov 21 j 03:03	29° Π 10'15	
evening set	-6948 Jul 13 j 07:45	13° Π 04'33		opposition	-6941 Feb 07 j 17:34	27° Π 48'23	2°04'10
				min. Earth dist.	-6941 Feb 08 j 11:33	27° Π 47'10	29.28891 AU
conjunction	-6948 Jul 28 j 19:22	13° Π 39'09	1°31'03	direct	-6941 Apr 30 j 02:20	26° Π 23'55	
minimum elong	-6948 Jul 28 j 19:22	13° Π 39'09	1°31'30	evening set	-6941 Jul 29 j 07:19	28° Π 19'58	
max. Earth dist.	-6948 Jul 27 j 20:45	13° Π 37'02	31.26715 AU				
morning rise	-6948 Aug 13 j 03:26	14° Π 13'29		conjunction	-6941 Aug 13 j 14:20	28° Π 54'15	1°57'54
retrograde	-6948 Nov 07 j 14:09	16° Π 05'42		minimum elong	-6941 Aug 13 j 14:20	28° Π 54'15	1°58'21
opposition	-6947 Jan 24 j 16:33	14° Π 43'56	1°39'33	max. Earth dist.	-6941 Aug 12 j 20:50	28° Π 52'36	31.28952 AU
min. Earth dist.	-6947 Jan 25 j 14:56	14° Π 42'24	29.26900 AU	morning rise	-6941 Aug 28 j 18:34	29° Π 28'19	
direct	-6947 Apr 16 j 06:20	13° Π 19'09			-6941 Sep 12 j 16:13	0° Θ	
evening set	-6947 Jul 15 j 18:18	15° Π 15'30		retrograde	-6941 Nov 23 j 13:16	1° Θ 21'08	
max. Earth dist.	-6947 Jul 30 j 06:00	15° Π 47'53	31.26879 AU		-6940 Feb 09 j 19:06	30° \mathbb{R} Π	
				opposition	-6940 Feb 10 j 05:52	29° Π 59'16	2°07'40
conjunction	-6947 Jul 31 j 05:03	15° Π 50'03	1°35'20	min. Earth dist.	-6940 Feb 10 j 23:02	29° Π 58'07	29.29273 AU
minimum elong	-6947 Jul 31 j 05:02	15° Π 50'03	1°35'46	direct	-6940 May 01 j 15:12	28° Π 34'53	
morning rise	-6947 Aug 15 j 12:40	16° Π 24'20			-6940 Jul 16 j 04:35	0° Θ	
retrograde	-6947 Nov 10 j 00:42	18° Π 16'36		evening set	-6940 Jul 30 j 17:28	0° Θ 30'54	
opposition	-6946 Jan 27 j 04:31	16° Π 54'47	1°44'03				
min. Earth dist.	-6946 Jan 28 j 01:36	16° Π 53'21	29.27078 AU	conjunction	-6940 Aug 14 j 23:46	1° Θ 05'08	2°01'06
direct	-6946 Apr 18 j 18:09	15° Π 30'01		minimum elong	-6940 Aug 14 j 23:45	1° Θ 05'08	2°01'34
evening set	-6946 Jul 18 j 04:37	17° Π 26'18		max. Earth dist.	-6940 Aug 14 j 05:48	1° Θ 03'27	31.29281 AU
				morning rise	-6940 Aug 30 j 03:39	1° Θ 39'10	
conjunction	-6946 Aug 02 j 14:50	18° Π 00'49	1°39'28	retrograde	-6940 Nov 25 j 02:01	3° Θ 32'06	
minimum elong	-6946 Aug 02 j 14:50	18° Π 00'48	1°39'55	opposition	-6939 Feb 11 j 18:23	2° Θ 10'14	2°11'00
max. Earth dist.	-6946 Aug 01 j 17:29	17° Π 58'48	31.27063 AU	min. Earth dist.	-6939 Feb 12 j 11:05	2° Θ 09'06	29.29558 AU
morning rise	-6946 Aug 17 j 21:42	18° Π 35'03		direct	-6939 May 04 j 02:49	0° Θ 45'54	
retrograde	-6946 Nov 12 j 08:35	20° Π 27'22		evening set	-6939 Aug 02 j 03:24	2° Θ 41'52	
opposition	-6945 Jan 29 j 16:45	19° Π 05'31	1°48'24				
min. Earth dist.	-6945 Jan 30 j 13:56	19° Π 04'05	29.27303 AU	conjunction	-6939 Aug 17 j 09:16	3° Θ 16'04	2°04'07
direct	-6945 Apr 21 j 06:35	17° Π 40'48		minimum elong	-6939 Aug 17 j 09:16	3° Θ 16'04	2°04'35
evening set	-6945 Jul 20 j 14:51	19° Π 37'00		max. Earth dist.	-6939 Aug 16 j 16:53	3° Θ 14'31	31.29486 AU
max. Earth dist.	-6945 Aug 04 j 03:01	20° Π 09'28	31.27328 AU	morning rise	-6939 Sep 01 j 12:31	3° Θ 50'04	
				retrograde	-6939 Nov 27 j 12:18	5° Θ 43'07	
conjunction	-6945 Aug 05 j 00:17	20° Π 11'28	1°43'27	opposition	-6938 Feb 14 j 07:04	4° Θ 21'13	2°14'08
minimum elong	-6945 Aug 05 j 00:16	20° Π 11'28	1°43'54	min. Earth dist.	-6938 Feb 14 j 23:43	4° Θ 20'05	29.29691 AU
morning rise	-6945 Aug 20 j 06:44	20° Π 45'40		direct	-6938 May 06 j 16:25	2° Θ 56'57	

Attention, astronomical year style is used: The year -6938 in astronomical counting style is the year 6939 BCE in historical counting style.

evening set	-6938 Aug 04 j 13:32	4° $\overline{52}$ '50		opposition	-6931 Mar 01 j 23:34	19° $\overline{36}$ '02	2°30'31
				min. Earth dist.	-6931 Mar 02 j 10:05	19° $\overline{35}$ '19	29.28332 AU
conjunction	-6938 Aug 19 j 18:40	5° $\overline{27}$ '00	2°06'58	direct	-6931 May 22 j 02:21	18° $\overline{11}$ '58	
minimum elong	-6938 Aug 19 j 18:40	5° $\overline{27}$ '00	2°07'26	evening set	-6931 Aug 19 j 08:24	20° $\overline{07}$ '17	
max. Earth dist.	-6938 Aug 19 j 01:46	5° $\overline{25}$ '24	31.29547 AU				
morning rise	-6938 Sep 03 j 21:39	6° $\overline{00}$ '59		conjunction	-6931 Sep 03 j 10:25	20° $\overline{41}$ '14	2°21'37
retrograde	-6938 Nov 29 j 23:52	7° $\overline{54}$ '07		minimum elong	-6931 Sep 03 j 10:25	20° $\overline{41}$ '14	2°22'04
opposition	-6937 Feb 16 j 19:41	6° $\overline{32}$ '10	2°17'05	max. Earth dist.	-6931 Sep 02 j 23:35	20° $\overline{40}$ '13	31.28113 AU
min. Earth dist.	-6937 Feb 17 j 11:06	6° $\overline{31}$ '08	29.29688 AU	morning rise	-6931 Sep 18 j 11:11	21° $\overline{15}$ '05	
direct	-6937 May 09 j 04:03	5° $\overline{07}$ '56		retrograde	-6931 Dec 15 j 02:28	23° $\overline{08}$ '59	
evening set	-6937 Aug 06 j 23:17	7° $\overline{03}$ '46		opposition	-6930 Mar 04 j 12:22	21° $\overline{46}$ '37	2°32'01
				min. Earth dist.	-6930 Mar 04 j 21:44	21° $\overline{45}$ '59	29.28290 AU
conjunction	-6937 Aug 22 j 04:05	7° $\overline{37}$ '53	2°09'38	direct	-6930 May 24 j 12:59	20° $\overline{22}$ '38	
minimum elong	-6937 Aug 22 j 04:04	7° $\overline{37}$ '53	2°10'06	evening set	-6930 Aug 21 j 17:35	22° $\overline{17}$ '54	
max. Earth dist.	-6937 Aug 21 j 12:31	7° $\overline{36}$ '25	31.29458 AU				
morning rise	-6937 Sep 06 j 06:32	8° $\overline{11}$ '50		conjunction	-6930 Sep 05 j 19:27	22° $\overline{51}$ '50	2°22'54
retrograde	-6937 Dec 02 j 08:50	10° $\overline{05}$ '04		minimum elong	-6930 Sep 05 j 19:27	22° $\overline{51}$ '50	2°23'22
opposition	-6936 Feb 19 j 08:24	8° $\overline{43}$ '04	2°19'50	max. Earth dist.	-6930 Sep 05 j 10:47	22° $\overline{51}$ '01	31.28094 AU
min. Earth dist.	-6936 Feb 20 j 00:12	8° $\overline{42}$ '00	29.29535 AU	morning rise	-6930 Sep 20 j 19:51	23° $\overline{25}$ '40	
direct	-6936 May 10 j 17:10	7° $\overline{18}$ '51		retrograde	-6930 Dec 17 j 13:28	25° $\overline{19}$ '43	
evening set	-6936 Aug 08 j 09:09	9° $\overline{14}$ '35		opposition	-6929 Mar 07 j 01:12	23° $\overline{57}$ '20	2°33'18
				min. Earth dist.	-6929 Mar 07 j 09:59	23° $\overline{56}$ '45	29.28285 AU
conjunction	-6936 Aug 23 j 13:20	9° $\overline{48}$ '41	2°12'07	direct	-6929 May 27 j 01:18	22° $\overline{33}$ '27	
minimum elong	-6936 Aug 23 j 13:20	9° $\overline{48}$ '41	2°12'35	evening set	-6929 Aug 24 j 02:51	24° $\overline{28}$ '40	
max. Earth dist.	-6936 Aug 22 j 21:44	9° $\overline{47}$ '12	31.29248 AU				
morning rise	-6936 Sep 07 j 15:32	10° $\overline{22}$ '36		conjunction	-6929 Sep 08 j 04:16	25° $\overline{02}$ '35	2°24'00
retrograde	-6936 Dec 03 j 19:46	12° $\overline{15}$ '55		minimum elong	-6929 Sep 08 j 04:16	25° $\overline{02}$ '35	2°24'27
opposition	-6935 Feb 20 j 20:52	10° $\overline{53}$ '51	2°22'23	max. Earth dist.	-6929 Sep 07 j 19:38	25° $\overline{01}$ '46	31.28099 AU
min. Earth dist.	-6935 Feb 21 j 11:01	10° $\overline{52}$ '53	29.29276 AU	morning rise	-6929 Sep 23 j 04:41	25° $\overline{36}$ '24	
direct	-6935 May 13 j 05:25	9° $\overline{29}$ '39		retrograde	-6929 Dec 20 j 01:43	27° $\overline{30}$ '36	
evening set	-6935 Aug 10 j 18:49	11° $\overline{25}$ '17		opposition	-6928 Mar 08 j 14:00	26° $\overline{08}$ '13	2°34'22
				min. Earth dist.	-6928 Mar 08 j 21:11	26° $\overline{07}$ '44	29.28283 AU
conjunction	-6935 Aug 25 j 22:34	11° $\overline{59}$ '21	2°14'24	direct	-6928 May 28 j 12:08	24° $\overline{44}$ '24	
minimum elong	-6935 Aug 25 j 22:34	11° $\overline{59}$ '21	2°14'52	evening set	-6928 Aug 25 j 12:04	26° $\overline{39}$ '34	
max. Earth dist.	-6935 Aug 25 j 08:00	11° $\overline{57}$ '58	31.28949 AU				
morning rise	-6935 Sep 10 j 00:21	12° $\overline{33}$ '15		conjunction	-6928 Sep 09 j 13:18	27° $\overline{13}$ '28	2°24'53
retrograde	-6935 Dec 06 j 05:17	14° $\overline{26}$ '40		minimum elong	-6928 Sep 09 j 13:18	27° $\overline{13}$ '28	2°25'19
opposition	-6934 Feb 23 j 09:41	13° $\overline{04}$ '30	2°24'44	max. Earth dist.	-6928 Sep 09 j 06:16	27° $\overline{12}$ '48	31.28060 AU
min. Earth dist.	-6934 Feb 24 j 00:03	13° $\overline{03}$ '32	29.28971 AU	morning rise	-6928 Sep 24 j 13:26	27° $\overline{47}$ '18	
direct	-6934 May 15 j 16:34	11° $\overline{40}$ '19		retrograde	-6928 Dec 21 j 11:46	29° $\overline{41}$ '38	
evening set	-6934 Aug 13 j 04:14	13° $\overline{35}$ '51		opposition	-6927 Mar 11 j 02:58	28° $\overline{19}$ '14	2°35'12
				min. Earth dist.	-6927 Mar 11 j 10:16	28° $\overline{18}$ '44	29.28213 AU
conjunction	-6934 Aug 28 j 07:33	14° $\overline{09}$ '53	2°16'30	direct	-6927 May 31 j 01:15	26° $\overline{55}$ '30	
minimum elong	-6934 Aug 28 j 07:33	14° $\overline{09}$ '53	2°16'58	evening set	-6927 Aug 27 j 21:25	28° $\overline{50}$ '36	
max. Earth dist.	-6934 Aug 27 j 18:12	14° $\overline{08}$ '37	31.28645 AU				
morning rise	-6934 Sep 12 j 09:01	14° $\overline{43}$ '46		conjunction	-6927 Sep 11 j 22:19	29° $\overline{24}$ '30	2°25'34
retrograde	-6934 Dec 08 j 15:26	16° $\overline{37}$ '16		minimum elong	-6927 Sep 11 j 22:19	29° $\overline{24}$ '30	2°25'59
opposition	-6933 Feb 25 j 22:20	15° $\overline{15}$ '03	2°26'53	max. Earth dist.	-6927 Sep 11 j 15:34	29° $\overline{23}$ '51	31.27954 AU
min. Earth dist.	-6933 Feb 26 j 10:48	15° $\overline{14}$ '12	29.28681 AU	morning rise	-6927 Sep 26 j 22:24	29° $\overline{58}$ '19	
direct	-6933 May 18 j 04:45	13° $\overline{50}$ '53			-6927 Sep 27 j 16:40	0° $\overline{00}$ '00	
evening set	-6933 Aug 15 j 13:45	15° $\overline{46}$ '20		retrograde	-6927 Dec 24 j 00:10	1° $\overline{52}$ '48	
				opposition	-6926 Mar 13 j 15:59	0° $\overline{30}$ '21	2°35'49
conjunction	-6933 Aug 30 j 16:34	16° $\overline{20}$ '20	2°18'24	min. Earth dist.	-6926 Mar 13 j 21:27	0° $\overline{29}$ '59	29.28052 AU
minimum elong	-6933 Aug 30 j 16:34	16° $\overline{20}$ '20	2°18'51		-6926 Apr 01 j 21:36	30° $\overline{00}$ '00	
max. Earth dist.	-6933 Aug 30 j 03:45	16° $\overline{19}$ '07	31.28376 AU	direct	-6926 Jun 02 j 13:36	29° $\overline{06}$ '42	
morning rise	-6933 Sep 14 j 17:48	16° $\overline{54}$ '12			-6926 Jul 30 j 14:04	0° $\overline{00}$ '00	
retrograde	-6933 Dec 11 j 02:59	18° $\overline{47}$ '49		evening set	-6926 Aug 30 j 06:38	1° $\overline{01}$ '43	
opposition	-6932 Feb 28 j 10:53	17° $\overline{25}$ '32	2°28'48				
min. Earth dist.	-6932 Feb 28 j 22:55	17° $\overline{24}$ '43	29.28467 AU	conjunction	-6926 Sep 14 j 07:20	1° $\overline{35}$ '36	2°26'02
direct	-6932 May 19 j 13:48	16° $\overline{01}$ '24		minimum elong	-6926 Sep 14 j 07:21	1° $\overline{35}$ '36	2°26'27
evening set	-6932 Aug 16 j 23:04	17° $\overline{56}$ '47		max. Earth dist.	-6926 Sep 14 j 01:25	1° $\overline{35}$ '02	31.27724 AU
				morning rise	-6926 Sep 29 j 07:20	2° $\overline{09}$ '26	
conjunction	-6932 Sep 01 j 01:37	18° $\overline{30}$ '45	2°20'06	retrograde	-6926 Dec 26 j 09:59	4° $\overline{04}$ '03	
minimum elong	-6932 Sep 01 j 01:37	18° $\overline{30}$ '45	2°20'34	opposition	-6925 Mar 16 j 05:11	2° $\overline{41}$ '33	2°36'12
max. Earth dist.	-6932 Aug 31 j 14:39	18° $\overline{29}$ '43	31.28202 AU	min. Earth dist.	-6925 Mar 16 j 11:01	2° $\overline{41}$ '09	29.27763 AU
morning rise	-6932 Sep 16 j 02:28	19° $\overline{04}$ '36		direct	-6925 Jun 05 j 00:42	1° $\overline{17}$ '56	
retrograde	-6932 Dec 12 j 13:12	20° $\overline{58}$ '22		evening set	-6925 Sep 01 j 15:56	3° $\overline{12}$ '51	

Attention, astronomical year style is used: The year -6925 in astronomical counting style is the year 6926 BCE in historical counting style.

conjunction	-6925 Sep 16 j 16:31	3°Ω46'43	2°26'18	retrograde	-6918 Jan 10 j 17:31	19°Ω20'59	
minimum elong	-6925 Sep 16 j 16:31	3°Ω46'43	2°26'42	opposition	-6918 Apr 01 j 00:27	17°Ω57'52	2°32'43
max. Earth dist.	-6925 Sep 16 j 11:34	3°Ω46'15	31.27371 AU	min. Earth dist.	-6918 Mar 31 j 23:02	17°Ω57'58	29.24046 AU
morning rise	-6925 Oct 01 j 16:26	4°Ω20'33		direct	-6918 Jun 20 j 08:29	16°Ω34'26	
retrograde	-6925 Dec 28 j 20:02	6°Ω15'17		evening set	-6918 Sep 16 j 06:45	18°Ω28'36	
opposition	-6924 Mar 17 j 18:02	4°Ω52'43	2°36'22				
min. Earth dist.	-6924 Mar 17 j 22:18	4°Ω52'26	29.27333 AU	conjunction	-6918 Oct 01 j 07:00	19°Ω02'27	2°22'18
direct	-6924 Jun 06 j 12:54	3°Ω29'08		minimum elong	-6918 Oct 01 j 07:00	19°Ω02'27	2°22'39
evening set	-6924 Sep 03 j 01:13	5°Ω23'57		max. Earth dist.	-6918 Oct 01 j 09:05	19°Ω02'39	31.23696 AU
				morning rise	-6918 Oct 16 j 07:40	19°Ω36'22	
conjunction	-6924 Sep 18 j 01:34	5°Ω57'49	2°26'21	retrograde	-6917 Jan 13 j 06:24	21°Ω31'54	
minimum elong	-6924 Sep 18 j 01:34	5°Ω57'49	2°26'46	opposition	-6917 Apr 03 j 13:27	20°Ω08'45	2°31'20
max. Earth dist.	-6924 Sep 17 j 20:39	5°Ω57'21	31.26875 AU	min. Earth dist.	-6917 Apr 03 j 09:50	20°Ω09'00	29.23720 AU
morning rise	-6924 Oct 03 j 01:35	6°Ω31'39		direct	-6917 Jun 22 j 20:20	18°Ω45'23	
retrograde	-6924 Dec 30 j 07:41	8°Ω26'29		evening set	-6917 Sep 18 j 15:42	20°Ω39'29	
opposition	-6923 Mar 20 j 07:11	7°Ω03'49	2°36'19				
min. Earth dist.	-6923 Mar 20 j 11:20	7°Ω03'33	29.26788 AU	conjunction	-6917 Oct 03 j 16:01	21°Ω13'22	2°20'54
direct	-6923 Jun 08 j 22:25	5°Ω40'15		minimum elong	-6917 Oct 03 j 16:01	21°Ω13'22	2°21'14
evening set	-6923 Sep 05 j 10:10	7°Ω34'56		max. Earth dist.	-6917 Oct 03 j 19:05	21°Ω13'39	31.23388 AU
				morning rise	-6917 Oct 18 j 16:56	21°Ω47'18	
conjunction	-6923 Sep 20 j 10:33	8°Ω08'47	2°26'12	retrograde	-6916 Jan 15 j 16:56	23°Ω42'59	
minimum elong	-6923 Sep 20 j 10:33	8°Ω08'47	2°26'35	opposition	-6916 Apr 05 j 02:29	22°Ω19'49	2°29'43
max. Earth dist.	-6923 Sep 20 j 07:24	8°Ω08'29	31.26288 AU	min. Earth dist.	-6916 Apr 04 j 22:59	22°Ω20'03	29.23423 AU
morning rise	-6923 Oct 05 j 10:28	8°Ω42'38		direct	-6916 Jun 24 j 06:56	20°Ω56'32	
retrograde	-6922 Jan 01 j 18:02	10°Ω37'34		evening set	-6916 Sep 20 j 00:40	22°Ω50'34	
opposition	-6922 Mar 22 j 20:18	9°Ω14'48	2°36'03				
min. Earth dist.	-6922 Mar 22 j 23:06	9°Ω14'37	29.26160 AU	conjunction	-6916 Oct 05 j 01:09	23°Ω24'27	2°19'18
direct	-6922 Jun 11 j 11:25	7°Ω51'14		minimum elong	-6916 Oct 05 j 01:10	23°Ω24'28	2°19'37
evening set	-6922 Sep 07 j 19:17	9°Ω45'48		max. Earth dist.	-6916 Oct 05 j 05:42	23°Ω24'53	31.23096 AU
				morning rise	-6916 Oct 20 j 02:15	23°Ω58'26	
conjunction	-6922 Sep 22 j 19:25	10°Ω19'38	2°25'50	retrograde	-6915 Jan 17 j 03:52	25°Ω54'16	
minimum elong	-6922 Sep 22 j 19:26	10°Ω19'39	2°26'14	opposition	-6915 Apr 07 j 15:35	24°Ω31'04	2°27'54
max. Earth dist.	-6922 Sep 22 j 16:16	10°Ω19'21	31.25653 AU	min. Earth dist.	-6915 Apr 07 j 10:16	24°Ω31'26	29.23104 AU
morning rise	-6922 Oct 07 j 19:35	10°Ω53'30		direct	-6915 Jun 26 j 18:51	23°Ω07'53	
retrograde	-6921 Jan 04 j 07:02	12°Ω48'32		evening set	-6915 Sep 22 j 09:39	25°Ω01'51	
opposition	-6921 Mar 25 j 09:18	11°Ω25'39	2°35'33				
min. Earth dist.	-6921 Mar 25 j 11:03	11°Ω25'32	29.25536 AU	conjunction	-6915 Oct 07 j 10:08	25°Ω35'46	2°17'29
direct	-6921 Jun 13 j 21:22	10°Ω02'05		minimum elong	-6915 Oct 07 j 10:09	25°Ω35'46	2°17'47
evening set	-6921 Sep 10 j 04:07	11°Ω56'32		max. Earth dist.	-6915 Oct 07 j 14:49	25°Ω36'12	31.22751 AU
				morning rise	-6915 Oct 22 j 11:38	26°Ω09'46	
conjunction	-6921 Sep 25 j 04:23	12°Ω30'22	2°25'16	retrograde	-6914 Jan 19 j 16:20	28°Ω05'46	
minimum elong	-6921 Sep 25 j 04:23	12°Ω30'23	2°25'38	opposition	-6914 Apr 10 j 04:55	26°Ω42'32	2°25'51
max. Earth dist.	-6921 Sep 25 j 03:26	12°Ω30'17	31.25038 AU	min. Earth dist.	-6914 Apr 09 j 23:28	26°Ω42'54	29.22725 AU
morning rise	-6921 Oct 10 j 04:30	13°Ω04'14		direct	-6914 Jun 29 j 04:04	25°Ω19'26	
retrograde	-6920 Jan 06 j 17:40	14°Ω59'23		evening set	-6914 Sep 24 j 18:42	27°Ω13'19	
opposition	-6920 Mar 26 j 22:21	13°Ω36'24	2°34'50				
min. Earth dist.	-6920 Mar 26 j 23:19	13°Ω36'20	29.24945 AU	conjunction	-6914 Oct 09 j 19:32	27°Ω47'15	2°15'28
direct	-6920 Jun 15 j 09:11	12°Ω12'51		minimum elong	-6914 Oct 09 j 19:33	27°Ω47'15	2°15'46
evening set	-6920 Sep 11 j 13:05	14°Ω07'12		max. Earth dist.	-6914 Oct 10 j 01:53	27°Ω47'51	31.22322 AU
				morning rise	-6914 Oct 24 j 21:12	28°Ω21'18	
conjunction	-6920 Sep 26 j 13:10	14°Ω41'02	2°24'29		-6914 Dec 20 j 12:30	0°♊	
minimum elong	-6920 Sep 26 j 13:10	14°Ω41'02	2°24'51	retrograde	-6913 Jan 22 j 03:26	0°♊17'26	
max. Earth dist.	-6920 Sep 26 j 12:32	14°Ω40'58	31.24495 AU		-6913 Feb 24 j 19:52	30°♋	
	-6920 Oct 04 j 21:42	15°♌		opposition	-6913 Apr 12 j 18:03	28°Ω54'10	2°23'35
morning rise	-6920 Oct 11 j 13:31	15°Ω14'54		min. Earth dist.	-6913 Apr 12 j 11:30	28°Ω54'37	29.22226 AU
retrograde	-6919 Jan 08 j 06:21	17°Ω10'10		direct	-6913 Jul 01 j 16:19	27°Ω31'08	
opposition	-6919 Mar 29 j 11:17	15°Ω47'07	2°33'53	evening set	-6913 Sep 27 j 03:56	29°Ω24'57	
min. Earth dist.	-6919 Mar 29 j 10:16	15°Ω47'11	29.24449 AU				
	-6919 Apr 29 j 08:48	15°♍		conjunction	-6913 Oct 12 j 04:49	29°Ω58'53	2°13'15
direct	-6919 Jun 17 j 20:00	14°Ω23'36		minimum elong	-6913 Oct 12 j 04:50	29°Ω58'54	2°13'31
	-6919 Aug 04 j 04:57	15°♎		max. Earth dist.	-6913 Oct 12 j 10:43	29°Ω59'27	31.21764 AU
evening set	-6919 Sep 13 j 21:56	16°Ω17'51			-6913 Oct 12 j 16:30	0°♏	
				morning rise	-6913 Oct 27 j 07:01	0°♏32'58	
conjunction	-6919 Sep 28 j 22:08	16°Ω51'42	2°23'30	retrograde	-6912 Jan 24 j 17:08	2°♐29'15	
minimum elong	-6919 Sep 28 j 22:09	16°Ω51'42	2°23'51	opposition	-6912 Apr 14 j 07:18	1°♐05'55	2°21'07
max. Earth dist.	-6919 Sep 28 j 23:21	16°Ω51'49	31.24044 AU	min. Earth dist.	-6912 Apr 14 j 00:08	1°♐06'24	29.21595 AU
morning rise	-6919 Oct 13 j 22:33	17°Ω25'35			-6912 May 31 j 04:41	30°♑	

Attention, astronomical year style is used: The year -6912 in astronomical counting style is the year 6913 BCE in historical counting style.

direct	-6912 Jul 03 j 01:40	29°04'25.55		morning rise	-6906 Nov 11 j 03:56	15°04'38	
	-6912 Aug 04 j 02:06	0°00		retrograde	-6905 Feb 09 j 06:03	17°05'13.7	
evening set	-6912 Sep 28 j 12:58	1°00'36.39		opposition	-6905 May 01 j 03:11	16°00'27.39	1°58'24
				min. Earth dist.	-6905 Apr 30 j 13:49	16°00'28.33	29.15681 AU
conjunction	-6912 Oct 13 j 14:14	2°00'10.37	2°10'51	direct	-6905 Jul 19 j 10:06	15°00'04.46	
minimum elong	-6912 Oct 13 j 14:15	2°00'10.37	2°11'07	evening set	-6905 Oct 14 j 04:28	16°00'57.46	
max. Earth dist.	-6912 Oct 13 j 21:48	2°00'11.20	31.21055 AU				
morning rise	-6912 Oct 28 j 16:38	2°00'44.43		conjunction	-6905 Oct 29 j 08:12	17°00'31.56	1°48'59
retrograde	-6911 Jan 26 j 04:16	4°00'41.08		minimum elong	-6905 Oct 29 j 08:12	17°00'31.56	1°49'08
opposition	-6911 Apr 16 j 20:37	3°00'17.43	2°18'27	max. Earth dist.	-6905 Oct 29 j 22:37	17°00'33.18	31.15240 AU
min. Earth dist.	-6911 Apr 16 j 13:07	3°00'18.14	29.20806 AU	morning rise	-6905 Nov 13 j 13:58	18°00'06.20	
direct	-6911 Jul 05 j 12:54	1°00'54.45		retrograde	-6904 Feb 11 j 16:37	20°00'03.26	
evening set	-6911 Sep 30 j 22:10	3°00'48.22		opposition	-6904 May 02 j 16:10	18°00'39.25	1°54'25
				min. Earth dist.	-6904 May 02 j 01:25	18°00'40.26	29.15045 AU
conjunction	-6911 Oct 15 j 23:36	4°00'22.21	2°08'16	direct	-6904 Jul 20 j 21:59	17°00'16.36	
minimum elong	-6911 Oct 15 j 23:36	4°00'22.21	2°08'30	evening set	-6904 Oct 15 j 13:41	19°00'09.31	
max. Earth dist.	-6911 Oct 16 j 07:05	4°00'23.04	31.20225 AU				
morning rise	-6911 Oct 31 j 02:32	4°00'56.30		conjunction	-6904 Oct 30 j 17:39	19°00'43.44	1°45'10
retrograde	-6910 Jan 28 j 17:56	6°00'53.00		minimum elong	-6904 Oct 30 j 17:40	19°00'43.44	1°45'18
opposition	-6910 Apr 19 j 09:49	5°00'29.30	2°15'35	max. Earth dist.	-6904 Oct 31 j 07:59	19°00'45.05	31.14634 AU
min. Earth dist.	-6910 Apr 19 j 00:54	5°00'30.06	29.19921 AU	morning rise	-6904 Nov 15 j 00:08	20°00'18.11	
direct	-6910 Jul 07 j 23:50	4°00'06.31		retrograde	-6903 Feb 13 j 05:38	22°00'15.24	
evening set	-6910 Oct 03 j 07:08	6°00'00.01		opposition	-6903 May 05 j 05:17	20°00'51.21	1°50'15
				min. Earth dist.	-6903 May 04 j 13:43	20°00'52.24	29.14443 AU
conjunction	-6910 Oct 18 j 08:57	6°00'34.03	2°05'29	direct	-6903 Jul 23 j 07:01	19°00'28.34	
minimum elong	-6910 Oct 18 j 08:58	6°00'34.03	2°05'43	evening set	-6903 Oct 17 j 22:57	21°00'21.26	
max. Earth dist.	-6910 Oct 18 j 17:48	6°00'34.53	31.19301 AU				
morning rise	-6910 Nov 02 j 12:18	7°00'08.13		conjunction	-6903 Nov 02 j 03:30	21°00'55.41	1°41'12
retrograde	-6909 Jan 31 j 06:03	9°00'04.49		minimum elong	-6903 Nov 02 j 03:31	21°00'55.41	1°41'19
opposition	-6909 Apr 21 j 23:04	7°00'41.12	2°12'32	max. Earth dist.	-6903 Nov 02 j 19:38	21°00'57.13	31.14026 AU
min. Earth dist.	-6909 Apr 21 j 14:09	7°00'41.48	29.18970 AU	morning rise	-6903 Nov 17 j 10:24	22°00'30.11	
direct	-6909 Jul 10 j 12:33	6°00'18.14		retrograde	-6902 Feb 15 j 17:08	24°00'27.32	
evening set	-6909 Oct 05 j 16:13	8°00'11.37		opposition	-6902 May 07 j 18:21	23°00'03.26	1°45'56
				min. Earth dist.	-6902 May 07 j 02:29	23°00'04.31	29.13810 AU
conjunction	-6909 Oct 20 j 18:21	8°00'45.39	2°02'32	direct	-6902 Jul 25 j 17:38	21°00'40.43	
minimum elong	-6909 Oct 20 j 18:21	8°00'45.39	2°02'44	evening set	-6902 Oct 20 j 08:24	23°00'33.31	
max. Earth dist.	-6909 Oct 21 j 03:57	8°00'46.34	31.18358 AU				
morning rise	-6909 Nov 04 j 22:08	9°00'19.52		conjunction	-6902 Nov 04 j 13:21	24°00'07.48	1°37'05
retrograde	-6908 Feb 02 j 19:20	11°00'16.33		minimum elong	-6902 Nov 04 j 13:22	24°00'07.48	1°37'11
opposition	-6908 Apr 23 j 11:57	9°00'52.49	2°09'17	max. Earth dist.	-6902 Nov 05 j 05:25	24°00'09.19	31.13378 AU
min. Earth dist.	-6908 Apr 23 j 01:01	9°00'53.33	29.18029 AU	morning rise	-6902 Nov 19 j 20:58	24°00'42.21	
direct	-6908 Jul 12 j 00:29	8°00'29.50		retrograde	-6901 Feb 18 j 07:23	26°00'39.49	
evening set	-6908 Oct 07 j 01:19	10°00'23.08		opposition	-6901 May 10 j 07:24	25°00'15.40	1°41'27
				min. Earth dist.	-6901 May 09 j 14:23	25°00'16.50	29.13113 AU
conjunction	-6908 Oct 22 j 03:42	10°00'57.12	1°59'24	direct	-6901 Jul 28 j 04:02	23°00'52.59	
minimum elong	-6908 Oct 22 j 03:43	10°00'57.12	1°59'36	evening set	-6901 Oct 22 j 18:01	25°00'45.43	
max. Earth dist.	-6908 Oct 22 j 14:11	10°00'58.11	31.17442 AU				
morning rise	-6908 Nov 06 j 08:00	11°00'31.27		conjunction	-6901 Nov 06 j 23:27	26°00'20.03	1°32'49
retrograde	-6907 Feb 04 j 06:01	13°00'28.14		minimum elong	-6901 Nov 06 j 23:28	26°00'20.03	1°32'53
opposition	-6907 Apr 26 j 01:09	12°00'04.24	2°05'50	max. Earth dist.	-6901 Nov 07 j 16:22	26°00'21.39	31.12619 AU
min. Earth dist.	-6907 Apr 25 j 14:09	12°00'05.09	29.17154 AU	morning rise	-6901 Nov 22 j 07:35	26°00'54.39	
direct	-6907 Jul 14 j 11:34	10°00'41.27		retrograde	-6900 Feb 20 j 20:03	28°00'52.14	
evening set	-6907 Oct 09 j 10:13	12°00'34.37		opposition	-6900 May 11 j 20:25	27°00'28.01	1°36'49
				min. Earth dist.	-6900 May 11 j 03:49	27°00'29.09	29.12290 AU
conjunction	-6907 Oct 24 j 13:05	13°00'08.43	1°56'06	direct	-6900 Jul 29 j 15:28	26°00'05.21	
minimum elong	-6907 Oct 24 j 13:06	13°00'08.43	1°56'17	evening set	-6900 Oct 24 j 03:39	27°00'58.02	
max. Earth dist.	-6907 Oct 25 j 01:20	13°00'09.53	31.16621 AU				
morning rise	-6907 Nov 08 j 17:48	13°00'43.01		conjunction	-6900 Nov 08 j 09:37	28°00'32.24	1°28'25
retrograde	-6906 Feb 06 j 17:27	15°00'39.53		minimum elong	-6900 Nov 08 j 09:38	28°00'32.24	1°28'28
opposition	-6906 Apr 28 j 14:11	14°00'15.59	2°02'13	max. Earth dist.	-6900 Nov 09 j 02:54	28°00'34.02	31.11748 AU
min. Earth dist.	-6906 Apr 28 j 01:08	14°00'16.52	29.16368 AU	morning rise	-6900 Nov 23 j 18:20	29°00'07.03	
direct	-6906 Jul 17 j 00:19	12°00'53.04			-6900 Dec 19 j 11:10	0°00	
evening set	-6906 Oct 11 j 19:25	14°00'46.08		retrograde	-6899 Feb 22 j 09:59	1°00'04.43	
					-6899 May 02 j 07:13	30°00'00	
conjunction	-6906 Oct 26 j 22:33	15°00'20.17	1°52'38	opposition	-6899 May 14 j 09:26	29°00'40.26	1°32'02
minimum elong	-6906 Oct 26 j 22:34	15°00'20.17	1°52'48	min. Earth dist.	-6899 May 13 j 15:19	29°00'41.40	29.11342 AU
max. Earth dist.	-6906 Oct 27 j 11:00	15°00'21.28	31.15888 AU	direct	-6899 Aug 01 j 03:02	28°00'17.46	

	-6899 Oct 21 j 19:54	0° <u>0</u>	
evening set	-6899 Oct 26 j 13:19	0° <u>0</u> 10'22	
conjunction	-6899 Nov 10 j 19:44	0° <u>0</u> 44'47	1°23'53
minimum elong	-6899 Nov 10 j 19:45	0° <u>0</u> 44'47	1°23'55
max. Earth dist.	-6899 Nov 11 j 13:11	0° <u>0</u> 46'26	31.10738 AU
morning rise	-6899 Nov 26 j 05:11	1° <u>0</u> 19'29	