

























































































































Planetary Phenomena of Uranus from -5400 through -4898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 1

Attention, astronomical year style is used: The year -5400 in astronomical counting style is the year 5401 BCE in historical counting style.

retrograde	-5400 Feb 28 j 13:09	14° <u>♂</u> 33'24		evening set	-5395 Nov 19 j 02:47	3° <u>♂</u> 52'30	
min. Earth dist.	-5400 May 15 j 10:31	12° <u>♂</u> 36'30	18.71253 AU				
opposition	-5400 May 16 j 13:58	12° <u>♂</u> 33'45	0°22'20	conjunction	-5395 Dec 04 j 20:09	4° <u>♂</u> 46'32	0°00'20
direct	-5400 Jul 31 j 19:22	10° <u>♂</u> 36'07		minimum elong	-5395 Dec 04 j 20:10	4° <u>♂</u> 46'32	0°00'09
evening set	-5400 Oct 30 j 01:27	13° <u>♂</u> 39'41		behind sun begin	-5395 Dec 04 j 13:41	4° <u>♂</u> 45'38	
				behind sun end	-5395 Dec 05 j 02:39	4° <u>♂</u> 47'27	
conjunction	-5400 Nov 14 j 16:00	14° <u>♂</u> 34'15	0°18'29	max. Earth dist.	-5395 Dec 06 j 04:27	4° <u>♂</u> 51'12	20.98870 AU
minimum elong	-5400 Nov 14 j 16:00	14° <u>♂</u> 34'15	0°18'26	morning rise	-5395 Dec 20 j 17:06	5° <u>♂</u> 41'05	
max. Earth dist.	-5400 Nov 15 j 21:23	14° <u>♂</u> 38'34	20.74108 AU	desc. node	-5394 Jan 06 j 06:21	6° <u>♂</u> 34'55	
morning rise	-5400 Nov 30 j 08:57	15° <u>♂</u> 29'11		retrograde	-5394 Mar 24 j 22:11	8° <u>♂</u> 48'53	
retrograde	-5399 Mar 04 j 00:25	18° <u>♂</u> 38'53		min. Earth dist.	-5394 Jun 10 j 00:51	6° <u>♂</u> 52'38	19.00833 AU
min. Earth dist.	-5399 May 19 j 20:49	16° <u>♂</u> 42'14	18.76963 AU	opposition	-5394 Jun 11 j 06:57	6° <u>♂</u> 49'37	-0°01'44
opposition	-5399 May 21 j 02:15	16° <u>♂</u> 39'17	0°18'26	direct	-5394 Aug 25 j 21:12	4° <u>♂</u> 53'32	
direct	-5399 Aug 05 j 05:56	14° <u>♂</u> 41'56		evening set	-5394 Nov 23 j 07:15	7° <u>♂</u> 52'14	
evening set	-5399 Nov 03 j 07:12	17° <u>♂</u> 44'31					
				conjunction	-5394 Dec 09 j 01:27	8° <u>♂</u> 46'13	-0°03'25
conjunction	-5399 Nov 18 j 22:09	18° <u>♂</u> 38'57	0°14'57	minimum elong	-5394 Dec 09 j 01:25	8° <u>♂</u> 46'13	0°03'36
minimum elong	-5399 Nov 18 j 22:10	18° <u>♂</u> 38'57	0°14'52	behind sun begin	-5394 Dec 08 j 18:54	8° <u>♂</u> 45'18	
behind sun begin	-5399 Nov 18 j 19:26	18° <u>♂</u> 38'34		behind sun end	-5394 Dec 09 j 07:56	8° <u>♂</u> 47'08	
behind sun end	-5399 Nov 19 j 00:53	18° <u>♂</u> 39'20		max. Earth dist.	-5394 Dec 10 j 09:28	8° <u>♂</u> 50'50	21.02582 AU
max. Earth dist.	-5399 Nov 20 j 04:28	18° <u>♂</u> 43'23	20.79693 AU	morning rise	-5394 Dec 24 j 23:13	9° <u>♂</u> 40'44	
morning rise	-5399 Dec 04 j 15:51	19° <u>♂</u> 33'46		retrograde	-5393 Mar 29 j 08:28	12° <u>♂</u> 48'15	
retrograde	-5398 Mar 08 j 09:12	22° <u>♂</u> 43'01		min. Earth dist.	-5393 Jun 14 j 08:57	10° <u>♂</u> 52'05	19.04280 AU
min. Earth dist.	-5398 May 24 j 08:57	20° <u>♂</u> 46'24	18.82428 AU	opposition	-5393 Jun 15 j 15:43	10° <u>♂</u> 49'01	-0°05'47
opposition	-5398 May 25 j 14:08	20° <u>♂</u> 43'29	0°14'28	direct	-5393 Aug 30 j 04:35	8° <u>♂</u> 53'04	
direct	-5398 Aug 09 j 14:25	18° <u>♂</u> 46'25		evening set	-5393 Nov 27 j 11:38	11° <u>♂</u> 51'11	
evening set	-5398 Nov 07 j 12:21	21° <u>♂</u> 48'05					
				conjunction	-5393 Dec 13 j 06:34	12° <u>♂</u> 45'09	-0°07'03
conjunction	-5398 Nov 23 j 03:55	22° <u>♂</u> 42'23	0°11'21	minimum elong	-5393 Dec 13 j 06:34	12° <u>♂</u> 45'09	0°07'15
minimum elong	-5398 Nov 23 j 03:55	22° <u>♂</u> 42'23	0°11'16	behind sun begin	-5393 Dec 13 j 00:30	12° <u>♂</u> 44'19	
behind sun begin	-5398 Nov 22 j 23:02	22° <u>♂</u> 41'42		behind sun end	-5393 Dec 13 j 12:37	12° <u>♂</u> 46'00	
behind sun end	-5398 Nov 23 j 08:47	22° <u>♂</u> 43'05		max. Earth dist.	-5393 Dec 14 j 14:22	12° <u>♂</u> 49'43	21.05743 AU
max. Earth dist.	-5398 Nov 24 j 11:05	22° <u>♂</u> 46'56	20.85026 AU	morning rise	-5393 Dec 29 j 05:19	13° <u>♂</u> 39'39	
morning rise	-5398 Dec 08 j 22:19	23° <u>♂</u> 37'07			-5392 Jan 23 j 18:59	15° <u>♂</u>	
retrograde	-5397 Mar 12 j 20:01	26° <u>♂</u> 45'57		retrograde	-5392 Apr 01 j 15:11	16° <u>♂</u> 46'54	
min. Earth dist.	-5397 May 28 j 18:23	24° <u>♂</u> 49'35	18.87607 AU		-5392 Jun 13 j 20:33	15° <u>♂</u>	
opposition	-5397 May 30 j 01:16	24° <u>♂</u> 46'29	0°10'27	min. Earth dist.	-5392 Jun 17 j 18:50	14° <u>♂</u> 50'36	19.07159 AU
direct	-5397 Aug 13 j 23:27	22° <u>♂</u> 49'42		opposition	-5392 Jun 19 j 00:05	14° <u>♂</u> 47'40	-0°09'47
evening set	-5397 Nov 11 j 17:25	25° <u>♂</u> 50'31		direct	-5392 Sep 02 j 09:42	12° <u>♂</u> 51'50	
					-5392 Nov 15 j 09:04	15° <u>♂</u>	
conjunction	-5397 Nov 27 j 09:30	26° <u>♂</u> 44'43	0°07'43	evening set	-5392 Nov 30 j 15:57	15° <u>♂</u> 49'26	
minimum elong	-5397 Nov 27 j 09:30	26° <u>♂</u> 44'43	0°07'36				
behind sun begin	-5397 Nov 27 j 03:32	26° <u>♂</u> 43'53		conjunction	-5392 Dec 16 j 11:45	16° <u>♂</u> 43'23	-0°10'38
behind sun end	-5397 Nov 27 j 15:28	26° <u>♂</u> 45'34		minimum elong	-5392 Dec 16 j 11:45	16° <u>♂</u> 43'23	0°10'51
max. Earth dist.	-5397 Nov 28 j 17:19	26° <u>♂</u> 49'20	20.90032 AU	behind sun begin	-5392 Dec 16 j 06:43	16° <u>♂</u> 42'41	
morning rise	-5397 Dec 13 j 04:45	27° <u>♂</u> 39'22		behind sun end	-5392 Dec 16 j 16:47	16° <u>♂</u> 44'05	
	-5396 Jan 31 j 11:16	0° <u>♂</u>		max. Earth dist.	-5392 Dec 17 j 18:52	16° <u>♂</u> 47'50	21.08344 AU
retrograde	-5396 Mar 16 j 04:15	0° <u>♂</u> 47'49		morning rise	-5391 Jan 01 j 11:26	17° <u>♂</u> 37'53	
	-5396 May 01 j 11:32	30° <u>♂</u> 4		retrograde	-5391 Apr 06 j 00:20	20° <u>♂</u> 44'53	
min. Earth dist.	-5396 Jun 01 j 05:37	28° <u>♂</u> 51'27	18.92443 AU	min. Earth dist.	-5391 Jun 22 j 02:09	18° <u>♂</u> 48'34	19.09472 AU
opposition	-5396 Jun 02 j 11:46	28° <u>♂</u> 48'26	0°06'24	opposition	-5391 Jun 23 j 07:39	18° <u>♂</u> 45'37	-0°13'44
direct	-5396 Aug 17 j 06:51	26° <u>♂</u> 51'56		direct	-5391 Sep 06 j 16:42	16° <u>♂</u> 49'49	
evening set	-5396 Nov 14 j 22:09	29° <u>♂</u> 51'57		evening set	-5391 Dec 04 j 20:09	19° <u>♂</u> 47'00	
	-5396 Nov 17 j 07:01	0° <u>♂</u>					
				conjunction	-5391 Dec 20 j 16:46	20° <u>♂</u> 40'57	-0°14'09
conjunction	-5396 Nov 30 j 14:57	0° <u>♂</u> 46'04	0°04'04	minimum elong	-5391 Dec 20 j 16:46	20° <u>♂</u> 40'57	0°14'22
minimum elong	-5396 Nov 30 j 14:57	0° <u>♂</u> 46'04	0°03'56	behind sun begin	-5391 Dec 20 j 13:41	20° <u>♂</u> 40'31	
behind sun begin	-5396 Nov 30 j 08:28	0° <u>♂</u> 45'09		behind sun end	-5391 Dec 20 j 19:51	20° <u>♂</u> 41'22	
behind sun end	-5396 Nov 30 j 21:26	0° <u>♂</u> 46'59		max. Earth dist.	-5391 Dec 21 j 23:29	20° <u>♂</u> 45'20	21.10374 AU
max. Earth dist.	-5396 Dec 01 j 23:03	0° <u>♂</u> 50'43	20.94678 AU	morning rise	-5390 Jan 05 j 17:26	21° <u>♂</u> 35'27	
morning rise	-5396 Dec 16 j 11:01	1° <u>♂</u> 40'40		retrograde	-5390 Apr 10 j 06:50	24° <u>♂</u> 42'14	
retrograde	-5395 Mar 20 j 14:55	4° <u>♂</u> 48'46		min. Earth dist.	-5390 Jun 26 j 11:03	22° <u>♂</u> 45'43	19.11238 AU
opposition	-5395 Jun 06 j 21:35	2° <u>♂</u> 49'27	0°02'20	opposition	-5390 Jun 27 j 14:58	22° <u>♂</u> 42'55	-0°17'35
min. Earth dist.	-5395 Jun 05 j 14:20	2° <u>♂</u> 52'35	18.96874 AU	direct	-5390 Sep 10 j 20:50	20° <u>♂</u> 47'08	
direct	-5395 Aug 21 j 14:50	0° <u>♂</u> 53'10		evening set	-5390 Dec 09 j 00:05	23° <u>♂</u> 43'56	

Planetary Phenomena of Uranus from -5400 through -4898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 2

Attention, astronomical year style is used: The year -5390 in astronomical counting style is the year 5391 BCE in historical counting style.

conjunction	-5390 Dec 24 j 21:39	24°  37'53	-0°17'36	retrograde	-5383 May 08 j 12:27	22°  16'47	
minimum elong	-5390 Dec 24 j 21:39	24°  37'53	0°17'51	min. Earth dist.	-5383 Jul 24 j 09:03	20°  19'25	19.11330 AU
max. Earth dist.	-5390 Dec 26 j 03:44	24°  42'11	21.11896 AU	opposition	-5383 Jul 25 j 07:30	20°  17'09	-0°41'09
morning rise	-5389 Jan 09 j 23:19	25°  32'26		direct	-5383 Oct 08 j 03:20	18°  21'02	
retrograde	-5389 Apr 14 j 15:10	28°  39'03		evening set	-5382 Jan 05 j 09:05	21°  17'44	
opposition	-5389 Jul 01 j 21:42	26°  39'38	-0°21'20				
min. Earth dist.	-5389 Jun 30 j 17:35	26°  42'28	19.12514 AU	conjunction	-5382 Jan 21 j 13:25	22°  12'20	-0°38'28
direct	-5389 Sep 15 j 03:05	24°  43'50		minimum elong	-5382 Jan 21 j 13:25	22°  12'19	0°38'47
evening set	-5389 Dec 13 j 04:16	27°  40'21		max. Earth dist.	-5382 Jan 22 j 13:13	22°  15'42	21.10510 AU
				morning rise	-5382 Feb 06 j 22:00	23°  07'31	
conjunction	-5389 Dec 29 j 02:42	28°  34'21	-0°20'57	retrograde	-5382 May 12 j 19:09	26°  14'13	
minimum elong	-5389 Dec 29 j 02:42	28°  34'21	0°21'11	opposition	-5382 Jul 29 j 12:47	24°  14'35	-0°43'53
max. Earth dist.	-5389 Dec 30 j 08:22	28°  38'34	21.12930 AU	min. Earth dist.	-5382 Jul 28 j 16:33	24°  16'38	19.09652 AU
morning rise	-5388 Jan 14 j 05:22	29°  28'56		direct	-5382 Oct 12 j 06:29	22°  18'23	
	-5388 Jan 23 j 17:37	0°  27		evening set	-5381 Jan 09 j 15:13	25°  15'24	
retrograde	-5388 Apr 17 j 21:45	2°  35'24					
min. Earth dist.	-5388 Jul 04 j 01:30	0°  38'36	19.13331 AU	conjunction	-5381 Jan 25 j 20:37	26°  10'09	-0°40'50
opposition	-5388 Jul 05 j 03:58	0°  35'56	-0°24'59	minimum elong	-5381 Jan 25 j 20:36	26°  10'09	0°41'09
	-5388 Jul 20 j 07:34	30°  38		max. Earth dist.	-5381 Jan 26 j 18:33	26°  13'15	21.08603 AU
direct	-5388 Sep 18 j 06:47	28°  40'05		morning rise	-5381 Feb 11 j 06:12	27°  05'29	
	-5388 Nov 14 j 11:32	0°  27			-5381 Apr 24 j 12:07	0°  28	
evening set	-5388 Dec 16 j 08:28	1°  36'25		retrograde	-5381 May 17 j 05:04	0°  32'23	
					-5381 Jun 08 j 22:29	30°  38	
conjunction	-5387 Jan 01 j 07:53	2°  30'28	-0°24'11	opposition	-5381 Aug 02 j 18:01	28°  12'43	-0°46'24
minimum elong	-5387 Jan 01 j 07:53	2°  30'28	0°24'28	min. Earth dist.	-5381 Aug 01 j 22:48	28°  14'40	19.07485 AU
max. Earth dist.	-5387 Jan 02 j 12:41	2°  34'33	21.13541 AU	direct	-5381 Oct 16 j 11:38	26°  16'23	
morning rise	-5387 Jan 17 j 11:32	3°  25'07		evening set	-5380 Jan 13 j 22:10	29°  13'49	
retrograde	-5387 Apr 22 j 05:51	6°  31'30			-5380 Jan 27 j 14:58	0°  28	
min. Earth dist.	-5387 Jul 08 j 07:18	4°  34'38	19.13734 AU				
opposition	-5387 Jul 09 j 09:53	4°  31'58	-0°28'31	conjunction	-5380 Jan 30 j 04:34	0°  38'44	-0°43'02
direct	-5387 Sep 22 j 11:37	2°  36'04		minimum elong	-5380 Jan 30 j 04:34	0°  38'44	0°43'21
evening set	-5387 Dec 20 j 12:43	5°  32'18		max. Earth dist.	-5380 Jan 31 j 00:52	0°  31'37	21.06162 AU
				morning rise	-5380 Feb 15 j 15:04	1°  04'14	
conjunction	-5386 Jan 05 j 13:02	6°  26'25	-0°27'19	retrograde	-5380 May 20 j 11:50	4°  11'21	
minimum elong	-5386 Jan 05 j 13:02	6°  26'25	0°27'36	opposition	-5380 Aug 05 j 23:19	2°  11'39	-0°48'43
max. Earth dist.	-5386 Jan 06 j 17:18	6°  30'25	21.13732 AU	min. Earth dist.	-5380 Aug 05 j 06:42	2°  13'20	19.04771 AU
morning rise	-5386 Jan 21 j 17:39	7°  21'08		direct	-5380 Oct 19 j 15:00	0°  35'08	
retrograde	-5386 Apr 26 j 12:20	10°  27'30		evening set	-5379 Jan 17 j 05:38	3°  33'03	
opposition	-5386 Jul 13 j 15:38	8°  27'55	-0°31'54				
min. Earth dist.	-5386 Jul 12 j 14:39	8°  30'26	19.13731 AU	conjunction	-5379 Feb 02 j 13:04	4°  38'08	-0°45'01
direct	-5386 Sep 26 j 15:27	6°  31'59		minimum elong	-5379 Feb 02 j 13:04	4°  38'08	0°45'19
evening set	-5386 Dec 24 j 17:14	9°  28'11		max. Earth dist.	-5379 Feb 03 j 06:55	4°  31'40	21.03182 AU
				morning rise	-5379 Feb 19 j 00:31	5°  03'48	
conjunction	-5385 Jan 09 j 18:34	10°  22'24	-0°30'19	retrograde	-5379 May 24 j 22:05	8°  11'10	
minimum elong	-5385 Jan 09 j 18:34	10°  22'24	0°30'36	opposition	-5379 Aug 10 j 04:47	6°  11'23	-0°50'48
max. Earth dist.	-5385 Jan 10 j 21:47	10°  26'15	21.13546 AU	min. Earth dist.	-5379 Aug 09 j 13:28	6°  12'57	19.01508 AU
morning rise	-5385 Jan 26 j 00:13	11°  17'13		direct	-5379 Oct 23 j 20:51	4°  31'43	
retrograde	-5385 Apr 30 j 20:48	14°  23'36		evening set	-5378 Jan 21 j 13:31	7°  33'04	
opposition	-5385 Jul 17 j 21:02	12°  23'58	-0°35'09				
min. Earth dist.	-5385 Jul 16 j 20:10	12°  26'29	19.13347 AU	conjunction	-5378 Feb 06 j 21:59	8°  38'22	-0°46'47
direct	-5385 Sep 30 j 19:24	10°  27'59		minimum elong	-5378 Feb 06 j 21:59	8°  38'22	0°47'06
evening set	-5385 Dec 28 j 22:07	13°  24'16		max. Earth dist.	-5378 Feb 07 j 14:01	8°  31'39	20.99635 AU
				morning rise	-5378 Feb 23 j 10:16	9°  04'13	
conjunction	-5384 Jan 14 j 00:26	14°  18'36	-0°33'11	retrograde	-5378 May 29 j 05:33	12°  11'50	
minimum elong	-5384 Jan 14 j 00:26	14°  18'35	0°33'29	opposition	-5378 Aug 14 j 10:29	10°  11'56	-0°52'39
max. Earth dist.	-5384 Jan 15 j 02:50	14°  22'20	21.12954 AU	min. Earth dist.	-5378 Aug 13 j 21:46	10°  13'15	18.97687 AU
morning rise	-5384 Jan 30 j 07:06	15°  13'31		direct	-5378 Oct 28 j 01:12	8°  31'45	
retrograde	-5384 May 04 j 03:25	18°  19'57		evening set	-5377 Jan 25 j 22:06	11°  13'56	
min. Earth dist.	-5384 Jul 20 j 03:26	16°  22'39	19.12548 AU				
opposition	-5384 Jul 21 j 02:24	16°  20'20	-0°38'14	conjunction	-5377 Feb 11 j 07:36	12°  30'26	-0°48'20
direct	-5384 Oct 03 j 23:07	14°  24'18		minimum elong	-5377 Feb 11 j 07:36	12°  30'26	0°48'39
evening set	-5383 Jan 01 j 03:20	17°  20'44		max. Earth dist.	-5377 Feb 11 j 21:00	12°  31'21	20.95573 AU
				morning rise	-5377 Feb 27 j 20:51	13°  05'29	
conjunction	-5383 Jan 17 j 06:42	18°  15'11	-0°35'54	retrograde	-5377 Jun 02 j 15:47	16°  13'23	
minimum elong	-5383 Jan 17 j 06:42	18°  15'11	0°36'12	opposition	-5377 Aug 18 j 16:06	14°  33'20	-0°54'14
max. Earth dist.	-5383 Jan 18 j 07:38	18°  18'43	21.11957 AU	min. Earth dist.	-5377 Aug 18 j 04:49	14°  34'30	18.93377 AU
morning rise	-5383 Feb 02 j 14:20	19° 10'14		direct	-5377 Nov 01 j 07:24	12° 35'59	

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Attention, astronomical year style is used: The year -5376 in astronomical counting style is the year 5377 BCE in historical counting style.

evening set	-5376 Jan 30 j 07:22	15° ♁ 15'39		max. Earth dist.	-5370 Mar 12 j 20:20	10° ♁ 47'53	20.57303 AU
				morning rise	-5370 Mar 29 j 15:31	11° ♁ 45'42	
conjunction	-5376 Feb 15 j 17:54	16° ♁ 11'23	-0°49'39	retrograde	-5370 Jul 01 j 20:24	14° ♁ 56'34	
minimum elong	-5376 Feb 15 j 17:54	16° ♁ 11'23	0°49'57	opposition	-5370 Sep 15 j 16:13	12° ♁ 55'40	-0°57'38
max. Earth dist.	-5376 Feb 16 j 05:29	16° ♁ 13'02	20.91028 AU	min. Earth dist.	-5370 Sep 15 j 18:20	12° ♁ 55'27	18.54167 AU
morning rise	-5376 Mar 03 j 07:55	17° ♁ 07'38		direct	-5370 Nov 29 j 07:28	10° ♁ 55'51	
retrograde	-5376 Jun 06 j 00:24	20° ♁ 15'49		evening set	-5369 Feb 28 j 20:21	14° ♁ 02'10	
opposition	-5376 Aug 21 j 22:03	18° ♁ 15'38	-0°55'34				
min. Earth dist.	-5376 Aug 21 j 13:16	18° ♁ 16'32	18.88616 AU	conjunction	-5369 Mar 17 j 13:00	14° ♁ 59'47	-0°51'43
direct	-5376 Nov 04 j 12:33	16° ♁ 17'56		minimum elong	-5369 Mar 17 j 13:00	14° ♁ 59'47	0°51'57
evening set	-5375 Feb 02 j 17:11	19° ♁ 18'19		max. Earth dist.	-5369 Mar 17 j 08:39	14° ♁ 59'09	20.50986 AU
					-5369 Mar 17 j 14:28	15° ♁	
conjunction	-5375 Feb 19 j 04:38	20° ♁ 14'18	-0°50'43	morning rise	-5369 Apr 03 j 07:39	15° ♁ 57'43	
minimum elong	-5375 Feb 19 j 04:38	20° ♁ 14'18	0°51'02	retrograde	-5369 Jul 06 j 10:32	19° ♁ 09'08	
max. Earth dist.	-5375 Feb 19 j 13:34	20° ♁ 15'34	20.86084 AU	opposition	-5369 Sep 20 j 00:53	17° ♁ 08'12	-0°56'55
morning rise	-5375 Mar 07 j 19:31	21° ♁ 10'45		min. Earth dist.	-5369 Sep 20 j 04:53	17° ♁ 07'46	18.47762 AU
retrograde	-5375 Jun 10 j 10:55	24° ♁ 19'17		direct	-5369 Dec 03 j 16:47	15° ♁ 08'02	
opposition	-5375 Aug 26 j 04:04	22° ♁ 18'56	-0°56'37	evening set	-5368 Mar 04 j 12:09	18° ♁ 15'35	
min. Earth dist.	-5375 Aug 25 j 20:39	22° ♁ 19'42	18.83494 AU				
direct	-5375 Nov 08 j 19:11	20° ♁ 20'51		conjunction	-5368 Mar 21 j 05:38	19° ♁ 13'32	-0°50'55
evening set	-5374 Feb 07 j 03:41	23° ♁ 22'03		minimum elong	-5368 Mar 21 j 05:38	19° ♁ 13'32	0°51'09
				max. Earth dist.	-5368 Mar 20 j 23:44	19° ♁ 12'40	20.44480 AU
conjunction	-5374 Feb 23 j 16:08	24° ♁ 18'16	-0°51'32	morning rise	-5368 Apr 07 j 00:30	20° ♁ 11'43	
minimum elong	-5374 Feb 23 j 16:07	24° ♁ 18'16	0°51'50	retrograde	-5368 Jul 10 j 01:04	23° ♁ 23'44	
max. Earth dist.	-5374 Feb 23 j 23:27	24° ♁ 19'19	20.80796 AU	opposition	-5368 Sep 23 j 10:24	21° ♁ 22'45	-0°55'54
morning rise	-5374 Mar 12 j 07:39	25° ♁ 14'57		min. Earth dist.	-5368 Sep 23 j 16:42	21° ♁ 22'05	18.41156 AU
retrograde	-5374 Jun 14 j 20:36	28° ♁ 23'52		direct	-5368 Dec 07 j 02:37	19° ♁ 22'16	
opposition	-5374 Aug 30 j 10:28	26° ♁ 23'22	-0°57'24	evening set	-5367 Mar 09 j 04:57	22° ♁ 31'04	
min. Earth dist.	-5374 Aug 30 j 05:20	26° ♁ 23'54	18.78061 AU				
direct	-5374 Nov 13 j 00:59	24° ♁ 24'56		conjunction	-5367 Mar 25 j 22:53	23° ♁ 29'19	-0°49'50
evening set	-5373 Feb 11 j 14:53	27° ♁ 26'59		minimum elong	-5367 Mar 25 j 22:53	23° ♁ 29'19	0°50'02
				max. Earth dist.	-5367 Mar 25 j 13:27	23° ♁ 27'56	20.37778 AU
conjunction	-5373 Feb 28 j 04:15	28° ♁ 23'28	-0°52'06	morning rise	-5367 Apr 11 j 18:13	24° ♁ 27'46	
minimum elong	-5373 Feb 28 j 04:15	28° ♁ 23'28	0°52'24	retrograde	-5367 Jul 14 j 16:17	27° ♁ 40'25	
max. Earth dist.	-5373 Feb 28 j 08:50	28° ♁ 24'08	20.75243 AU	opposition	-5367 Sep 27 j 20:35	25° ♁ 39'21	-0°54'33
morning rise	-5373 Mar 16 j 20:37	29° ♁ 20'23		min. Earth dist.	-5367 Sep 28 j 04:59	25° ♁ 38'28	18.34354 AU
	-5373 Mar 28 j 23:12	0° ♁		direct	-5367 Dec 11 j 13:18	23° ♁ 38'29	
retrograde	-5373 Jun 19 j 08:14	2° ♁ 29'43		evening set	-5366 Mar 13 j 22:42	26° ♁ 48'36	
opposition	-5373 Sep 03 j 17:11	0° ♁ 29'05	-0°57'54				
min. Earth dist.	-5373 Sep 03 j 13:26	0° ♁ 29'28	18.72384 AU	conjunction	-5366 Mar 30 j 17:22	27° ♁ 47'09	-0°48'28
	-5373 Sep 15 j 10:46	30° ♁ 30'17		minimum elong	-5366 Mar 30 j 17:22	27° ♁ 47'09	0°48'39
direct	-5373 Nov 17 j 08:23	28° ♁ 30'17		max. Earth dist.	-5366 Mar 30 j 06:19	27° ♁ 45'32	20.30863 AU
	-5372 Jan 16 j 22:52	0° ♁		morning rise	-5366 Apr 16 j 12:45	28° ♁ 45'52	
evening set	-5372 Feb 16 j 02:59	1° ♁ 33'18			-5366 May 09 j 07:43	0° ♁	
				retrograde	-5366 Jul 19 j 08:33	1° ♁ 59'07	
conjunction	-5372 Mar 03 j 17:18	2° ♁ 30'03	-0°52'25		-5366 Oct 01 j 12:27	30° ♁	
minimum elong	-5372 Mar 03 j 17:18	2° ♁ 30'03	0°52'41	opposition	-5366 Oct 02 j 07:26	29° ♁ 57'59	-0°52'53
max. Earth dist.	-5372 Mar 03 j 20:22	2° ♁ 30'30	20.69444 AU	min. Earth dist.	-5366 Oct 02 j 18:03	29° ♁ 56'51	18.27333 AU
morning rise	-5372 Mar 20 j 10:11	3° ♁ 27'12		direct	-5366 Dec 16 j 01:15	27° ♁ 56'43	
retrograde	-5372 Jun 22 j 19:01	6° ♁ 37'00			-5365 Feb 25 j 22:56	0° ♁	
opposition	-5372 Sep 07 j 00:18	4° ♁ 36'16	-0°58'07	evening set	-5365 Mar 18 j 17:36	1° ♁ 08'08	
min. Earth dist.	-5372 Sep 06 j 22:46	4° ♁ 36'25	18.66482 AU				
direct	-5372 Nov 20 j 15:09	2° ♁ 37'06		conjunction	-5365 Apr 04 j 12:38	2° ♁ 07'00	-0°46'48
evening set	-5371 Feb 19 j 15:55	5° ♁ 41'09		minimum elong	-5365 Apr 04 j 12:38	2° ♁ 07'00	0°46'58
				max. Earth dist.	-5365 Apr 03 j 21:43	2° ♁ 04'48	20.23750 AU
conjunction	-5371 Mar 08 j 06:59	6° ♁ 38'12	-0°52'27	morning rise	-5365 Apr 21 j 08:23	3° ♁ 05'59	
minimum elong	-5371 Mar 08 j 06:59	6° ♁ 38'12	0°52'43	retrograde	-5365 Jul 24 j 00:25	6° ♁ 19'50	
max. Earth dist.	-5371 Mar 08 j 07:09	6° ♁ 38'13	20.63463 AU	opposition	-5365 Oct 06 j 19:05	4° ♁ 18'34	-0°50'54
morning rise	-5371 Mar 25 j 00:35	7° ♁ 35'36		min. Earth dist.	-5365 Oct 07 j 07:59	4° ♁ 17'11	18.20133 AU
retrograde	-5371 Jun 27 j 07:56	10° ♁ 45'54		direct	-5365 Dec 20 j 13:48	2° ♁ 16'51	
opposition	-5371 Sep 11 j 07:57	8° ♁ 45'04	-0°58'01	evening set	-5364 Mar 22 j 13:17	5° ♁ 29'36	
min. Earth dist.	-5371 Sep 11 j 07:53	8° ♁ 45'04	18.60414 AU				
direct	-5371 Nov 24 j 23:23	6° ♁ 45'34		conjunction	-5364 Apr 08 j 08:53	6° ♁ 28'47	-0°44'51
evening set	-5370 Feb 24 j 05:31	9° ♁ 50'43		minimum elong	-5364 Apr 08 j 08:53	6° ♁ 28'47	0°45'00
				max. Earth dist.	-5364 Apr 07 j 16:32	6° ♁ 26'22	20.16465 AU
conjunction	-5370 Mar 12 j 21:30	10° ♁ 48'03	-0°52'13	morning rise	-5364 Apr 25 j 04:30	7° ♁ 28'01	
minimum elong	-5370 Mar 12 j 21:30	10° ♁ 48'03	0°52'29	retrograde	-5364 Jul 27 j 17:48	10° ♁ 42'26	

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Attention, astronomical year style is used: The year -5364 in astronomical counting style is the year 5365 BCE in historical counting style.

opposition	-5364 Oct 10 j 07:23	8° H 41'03	-0°48'37	max. Earth dist.	-5357 May 10 j 20:43	7° Y 48'27	19.67163 AU
min. Earth dist.	-5364 Oct 10 j 22:08	8° H 39'28	18.12785 AU				
direct	-5364 Dec 24 j 03:50	6° H 38'54		conjunction	-5357 May 12 j 02:28	7° Y 52'58	-0°24'11
evening set	-5363 Mar 27 j 09:58	9° H 52'58		minimum elong	-5357 May 12 j 02:28	7° Y 52'58	0°24'10
max. Earth dist.	-5363 Apr 12 j 09:47	10° H 49'29	20.09086 AU	morning rise	-5357 May 28 j 20:08	8° Y 53'46	
				retrograde	-5357 Aug 29 j 03:44	12° Y 12'14	
conjunction	-5363 Apr 13 j 05:44	10° H 52'27	-0°42'38	opposition	-5357 Nov 10 j 19:34	10° Y 09'59	-0°24'50
minimum elong	-5363 Apr 13 j 05:44	10° H 52'27	0°42'47	min. Earth dist.	-5357 Nov 11 j 20:48	10° Y 07'14	17.64163 AU
morning rise	-5363 Apr 30 j 01:31	11° H 51'57		direct	-5356 Jan 25 j 07:45	8° Y 04'55	
retrograde	-5363 Aug 01 j 10:08	15° H 06'57		evening set	-5356 Apr 29 j 08:43	11° Y 28'21	
opposition	-5363 Oct 14 j 20:27	13° H 05'23	-0°46'01	max. Earth dist.	-5356 May 14 j 22:05	12° Y 25'01	19.61206 AU
min. Earth dist.	-5363 Oct 15 j 13:26	13° H 03'34	18.05394 AU				
direct	-5363 Dec 28 j 18:32	11° H 02'45		conjunction	-5356 May 16 j 04:15	12° Y 29'38	-0°20'23
evening set	-5362 Apr 01 j 07:11	14° H 18'11		minimum elong	-5356 May 16 j 04:15	12° Y 29'38	0°20'21
max. Earth dist.	-5362 Apr 17 j 06:29	15° H 14'50	20.01690 AU	morning rise	-5356 Jun 01 j 21:13	13° Y 30'35	
				retrograde	-5356 Sep 02 j 02:27	16° Y 49'38	
conjunction	-5362 Apr 18 j 03:25	15° H 17'57	-0°40'09	opposition	-5356 Nov 14 j 14:25	14° Y 47'23	-0°20'31
minimum elong	-5362 Apr 18 j 03:25	15° H 17'57	0°40'15	min. Earth dist.	-5356 Nov 15 j 15:38	14° Y 44'37	17.58391 AU
morning rise	-5362 May 04 j 22:59	16° H 17'41		direct	-5355 Jan 29 j 05:56	12° Y 42'03	
retrograde	-5362 Aug 06 j 04:12	19° H 33'16		evening set	-5355 May 04 j 11:39	16° Y 06'45	
opposition	-5362 Oct 19 j 10:14	17° H 31'33	-0°43'08	max. Earth dist.	-5355 May 19 j 23:16	17° Y 03'24	19.55621 AU
min. Earth dist.	-5362 Oct 20 j 04:34	17° H 29'34	17.98012 AU				
direct	-5361 Jan 02 j 10:26	15° H 28'28		conjunction	-5355 May 21 j 06:40	17° Y 08'14	-0°16'25
evening set	-5361 Apr 06 j 05:37	18° H 45'13		minimum elong	-5355 May 21 j 06:40	17° Y 08'14	0°16'22
max. Earth dist.	-5361 Apr 22 j 01:41	19° H 41'40	19.94349 AU	morning rise	-5355 Jun 06 j 22:50	18° Y 09'20	
				retrograde	-5355 Sep 06 j 23:37	21° Y 28'56	
conjunction	-5361 Apr 23 j 01:50	19° H 45'17	-0°37'25	opposition	-5355 Nov 19 j 10:17	19° Y 26'41	-0°16'01
minimum elong	-5361 Apr 23 j 01:50	19° H 45'17	0°37'29	min. Earth dist.	-5355 Nov 20 j 13:21	19° Y 23'44	17.53006 AU
morning rise	-5361 May 09 j 21:20	20° H 45'15		direct	-5354 Feb 03 j 02:59	17° Y 21'07	
retrograde	-5361 Aug 10 j 21:25	24° H 01'25		evening set	-5354 May 09 j 15:09	20° Y 47'02	
opposition	-5361 Oct 24 j 00:45	21° H 59'32	-0°39'58	max. Earth dist.	-5354 May 25 j 01:26	21° Y 43'43	19.50419 AU
min. Earth dist.	-5361 Oct 24 j 21:14	21° H 57'19	17.90741 AU				
direct	-5360 Jan 07 j 03:18	19° H 55'58		conjunction	-5354 May 26 j 09:36	21° Y 48'41	-0°12'20
evening set	-5360 Apr 10 j 04:40	23° H 14'06		minimum elong	-5354 May 26 j 09:36	21° Y 48'41	0°12'13
max. Earth dist.	-5360 Apr 26 j 00:17	24° H 10'42	19.87154 AU	behind sun begin	-5354 May 26 j 05:10	21° Y 48'01	
				behind sun end	-5354 May 26 j 14:02	21° Y 49'21	
conjunction	-5360 Apr 27 j 01:05	24° H 14'26	-0°34'26	morning rise	-5354 Jun 12 j 01:00	22° Y 49'55	
minimum elong	-5360 Apr 27 j 01:05	24° H 14'26	0°34'29	retrograde	-5354 Sep 12 j 00:04	26° Y 10'02	
morning rise	-5360 May 13 j 20:10	25° H 14'38		opposition	-5354 Nov 24 j 06:59	24° Y 07'48	-0°11'24
retrograde	-5360 Aug 14 j 16:35	28° H 31'22		min. Earth dist.	-5354 Nov 25 j 09:53	24° Y 04'52	17.47979 AU
opposition	-5360 Oct 27 j 16:10	26° H 29'21	-0°36'33	direct	-5353 Feb 08 j 03:21	22° Y 02'01	
min. Earth dist.	-5360 Oct 28 j 13:24	26° H 27'02	17.83646 AU	evening set	-5353 May 14 j 19:21	25° Y 29'05	
direct	-5359 Jan 10 j 21:23	24° H 25'22		max. Earth dist.	-5353 May 30 j 04:20	26° Y 25'47	19.45558 AU
evening set	-5359 Apr 15 j 04:29	27° H 44'49					
max. Earth dist.	-5359 Apr 30 j 21:22	28° H 41'17	19.80177 AU	conjunction	-5353 May 31 j 13:08	26° Y 30'52	-0°08'08
				minimum elong	-5353 May 31 j 13:08	26° Y 30'52	0°08'01
conjunction	-5359 May 02 j 00:41	28° H 45'24	-0°31'14	behind sun begin	-5353 May 31 j 07:06	26° Y 29'57	
minimum elong	-5359 May 02 j 00:41	28° H 45'24	0°31'15	behind sun end	-5353 May 31 j 19:09	26° Y 31'47	
morning rise	-5359 May 18 j 19:27	29° H 45'49		morning rise	-5353 Jun 17 j 03:27	27° Y 32'13	
	-5359 May 22 j 20:22	0° Y			-5353 Aug 03 j 22:04	0° H	
retrograde	-5359 Aug 19 j 10:58	3° Y 03'08		retrograde	-5353 Sep 16 j 22:16	0° H 52'48	
opposition	-5359 Nov 01 j 08:29	1° Y 01'00	-0°32'52		-5353 Nov 01 j 01:18	30° H Y	
min. Earth dist.	-5359 Nov 02 j 07:35	0° Y 58'29	17.76820 AU	opposition	-5353 Nov 29 j 04:44	28° Y 50'35	-0°06'39
	-5359 Nov 25 j 18:57	30° H H		min. Earth dist.	-5353 Nov 30 j 09:20	28° Y 47'28	17.43306 AU
direct	-5358 Jan 15 j 15:50	28° H 56'36		direct	-5352 Feb 13 j 02:13	26° Y 44'35	
	-5358 Mar 06 j 14:38	0° Y			-5352 May 15 j 11:43	0° H	
evening set	-5358 Apr 20 j 05:03	2° Y 17'24		evening set	-5352 May 19 j 00:01	0° H 12'42	
max. Earth dist.	-5358 May 05 j 21:29	3° Y 14'02	19.73502 AU	max. Earth dist.	-5352 Jun 03 j 07:09	1° H 09'20	19.41070 AU
conjunction	-5358 May 07 j 01:15	3° Y 18'14	-0°27'48	conjunction	-5352 Jun 04 j 16:54	1° H 14'36	-0°03'52
minimum elong	-5358 May 07 j 01:15	3° Y 18'14	0°27'49	minimum elong	-5352 Jun 04 j 16:55	1° H 14'36	0°03'43
morning rise	-5358 May 23 j 19:28	4° Y 18'50		behind sun begin	-5352 Jun 04 j 10:13	1° H 13'35	
retrograde	-5358 Aug 24 j 07:46	7° Y 36'44		behind sun end	-5352 Jun 04 j 23:36	1° H 15'37	
opposition	-5358 Nov 06 j 01:27	5° Y 34'32	-0°28'57	morning rise	-5352 Jun 21 j 06:20	2° H 16'01	
min. Earth dist.	-5358 Nov 07 j 00:51	5° Y 31'59	17.70308 AU	retrograde	-5352 Sep 20 j 23:36	5° H 37'02	
direct	-5357 Jan 20 j 11:56	3° Y 29'47		opposition	-5352 Dec 03 j 03:13	3° H 34'49	-0°01'51
evening set	-5357 Apr 25 j 06:37	6° Y 51'54		min. Earth dist.	-5352 Dec 04 j 07:20	3° H 31'45	17.39006 AU

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Attention, astronomical year style is used: The year -5351 in astronomical counting style is the year 5352 BCE in historical counting style.

direct	-5351 Feb 17 j 04:06	1°8'28"37		minimum elong	-5346 Jul 04 j 17:04	29°8'57"24	0°21'57
asc. node	-5351 Apr 23 j 21:24	3°8'15"27			-5346 Jul 05 j 09:33	0°II	
evening set	-5351 May 24 j 04:46	4°8'57"40		morning rise	-5346 Jul 20 j 23:14	0°II58'45	
max. Earth dist.	-5351 Jun 08 j 11:27	5°8'54"26	19.36955 AU	retrograde	-5346 Oct 20 j 00:12	4°II21'13	
				opposition	-5345 Jan 01 j 08:02	2°II18'53	0°26'22
conjunction	-5351 Jun 09 j 20:53	5°8'59"40	0°00'34	min. Earth dist.	-5345 Jan 02 j 10:40	2°II15'59	17.23263 AU
minimum elong	-5351 Jun 09 j 20:54	5°8'59"40	0°00'44	direct	-5345 Mar 19 j 01:05	0°II11'53	
behind sun begin	-5351 Jun 09 j 14:10	5°8'58"38		evening set	-5345 Jun 23 j 11:17	3°II44'09	
behind sun end	-5351 Jun 10 j 03:38	6°8'00'41					
morning rise	-5351 Jun 26 j 09:06	7°8'01'08		conjunction	-5345 Jul 09 j 20:29	4°II46'01	0°25'35
retrograde	-5351 Sep 25 j 22:41	10°8'22'32		minimum elong	-5345 Jul 09 j 20:29	4°II46'01	0°25'51
opposition	-5351 Dec 08 j 02:36	8°8'20'19	0°03'00	max. Earth dist.	-5345 Jul 08 j 15:33	4°II41'26	19.22893 AU
min. Earth dist.	-5351 Dec 09 j 07:57	8°8'17'06	17.35098 AU	morning rise	-5345 Jul 26 j 01:11	5°II47'15	
direct	-5350 Feb 22 j 04:42	6°8'13'55		retrograde	-5345 Oct 25 j 00:42	9°II09'48	
evening set	-5350 May 29 j 10:03	9°8'43'48		opposition	-5344 Jan 06 j 10:42	7°II07'30	0°30'37
max. Earth dist.	-5350 Jun 13 j 14:42	10°8'40'27	19.33265 AU	min. Earth dist.	-5344 Jan 07 j 12:01	7°II04'45	17.22794 AU
				direct	-5344 Mar 23 j 06:31	5°II00'33	
conjunction	-5350 Jun 15 j 01:05	10°8'45'51	0°04'57	evening set	-5344 Jun 27 j 15:44	8°II32'54	
minimum elong	-5350 Jun 15 j 01:04	10°8'45'51	0°05'07				
behind sun begin	-5350 Jun 14 j 18:32	10°8'44'51		conjunction	-5344 Jul 13 j 23:29	9°II34'39	0°29'18
behind sun end	-5350 Jun 15 j 07:37	10°8'46'51		minimum elong	-5344 Jul 13 j 23:28	9°II34'39	0°29'35
morning rise	-5350 Jul 01 j 12:17	11°8'47'21		max. Earth dist.	-5344 Jul 12 j 19:17	9°II30'10	19.22788 AU
	-5350 Sep 13 j 02:09	15°8'		morning rise	-5344 Jul 30 j 02:56	10°II35'46	
retrograde	-5350 Oct 01 j 00:04	15°8'09'04		retrograde	-5344 Oct 29 j 01:17	13°II58'20	
	-5350 Oct 18 j 23:02	15°8'8'		opposition	-5343 Jan 10 j 13:38	11°II56'07	0°34'40
opposition	-5350 Dec 13 j 02:22	13°8'06'49	0°07'50	min. Earth dist.	-5343 Jan 11 j 13:39	11°II53'31	17.23056 AU
min. Earth dist.	-5350 Dec 14 j 07:03	13°8'03'41	17.31633 AU	direct	-5343 Mar 28 j 10:58	9°II49'14	
direct	-5349 Feb 27 j 07:59	11°8'00'14		evening set	-5343 Jul 02 j 19:32	13°II21'35	
evening set	-5349 Jun 03 j 15:20	14°8'30'51		max. Earth dist.	-5343 Jul 18 j 00:34	14°II19'08	19.23406 AU
	-5349 Jun 11 j 11:35	15°8'					
max. Earth dist.	-5349 Jun 18 j 20:17	15°8'27'43	19.30033 AU	conjunction	-5343 Jul 19 j 02:04	14°II23'11	0°32'49
				minimum elong	-5343 Jul 19 j 02:04	14°II23'11	0°33'06
conjunction	-5349 Jun 20 j 05:28	15°8'32'56	0°09'15	morning rise	-5343 Aug 04 j 04:12	15°II24'10	
minimum elong	-5349 Jun 20 j 05:27	15°8'32'56	0°09'27	retrograde	-5343 Nov 03 j 02:49	18°II46'42	
behind sun begin	-5349 Jun 19 j 23:51	15°8'32'05		opposition	-5342 Jan 15 j 16:52	16°II44'36	0°38'28
behind sun end	-5349 Jun 20 j 11:03	15°8'33'48		min. Earth dist.	-5342 Jan 16 j 14:56	16°II42'13	17.24001 AU
morning rise	-5349 Jul 06 j 15:17	16°8'34'26		direct	-5342 Apr 02 j 16:04	14°II37'53	
retrograde	-5349 Oct 05 j 23:23	19°8'56'25		evening set	-5342 Jul 07 j 23:09	18°II10'06	
opposition	-5349 Dec 18 j 03:06	17°8'54'09	0°12'37	max. Earth dist.	-5342 Jul 23 j 04:02	19°II07'41	19.24688 AU
min. Earth dist.	-5349 Dec 19 j 08:20	17°8'50'57	17.28654 AU				
direct	-5348 Mar 03 j 10:32	15°8'47'25		conjunction	-5342 Jul 24 j 04:15	19°II11'32	0°36'06
evening set	-5348 Jun 07 j 20:35	19°8'18'37		minimum elong	-5342 Jul 24 j 04:15	19°II11'31	0°36'25
max. Earth dist.	-5348 Jun 22 j 23:46	20°8'15'23	19.27328 AU	morning rise	-5342 Aug 09 j 05:06	20°II12'20	
				retrograde	-5342 Nov 08 j 03:35	23°II34'48	
conjunction	-5348 Jun 24 j 09:24	20°8'20'41	0°13'30	opposition	-5341 Jan 20 j 20:20	21°II32'50	0°42'00
minimum elong	-5348 Jun 24 j 09:24	20°8'20'41	0°13'42	min. Earth dist.	-5341 Jan 21 j 17:22	21°II30'34	17.25609 AU
behind sun begin	-5348 Jun 24 j 05:51	20°8'20'09		direct	-5341 Apr 07 j 20:10	19°II26'19	
behind sun end	-5348 Jun 24 j 12:56	20°8'21'14		evening set	-5341 Jul 13 j 02:12	22°II58'17	
morning rise	-5348 Jul 10 j 18:09	21°8'22'10		max. Earth dist.	-5341 Jul 28 j 08:10	23°II56'02	19.26609 AU
retrograde	-5348 Oct 10 j 00:15	24°8'44'23					
opposition	-5348 Dec 22 j 04:15	22°8'42'04	0°17'20	conjunction	-5341 Jul 29 j 05:58	23°II59'31	0°39'08
min. Earth dist.	-5348 Dec 23 j 08:26	22°8'38'59	17.26236 AU	minimum elong	-5341 Jul 29 j 05:58	23°II59'31	0°39'27
direct	-5347 Mar 08 j 15:13	20°8'35'12		morning rise	-5341 Aug 14 j 05:34	25°II00'08	
evening set	-5347 Jun 13 j 01:38	24°8'06'52		retrograde	-5341 Nov 13 j 05:14	28°II22'29	
max. Earth dist.	-5347 Jun 28 j 05:51	25°8'03'55	19.25200 AU	opposition	-5340 Jan 26 j 00:05	26°II20'40	0°45'14
				min. Earth dist.	-5340 Jan 26 j 18:38	26°II18'40	17.27811 AU
conjunction	-5347 Jun 29 j 13:25	25°8'08'55	0°17'39	direct	-5340 Apr 12 j 01:28	24°II14'24	
minimum elong	-5347 Jun 29 j 13:25	25°8'08'54	0°17'54	evening set	-5340 Jul 17 j 04:35	27°II45'57	
morning rise	-5347 Jul 15 j 20:45	26°8'10'20		max. Earth dist.	-5340 Aug 01 j 11:08	28°II43'48	19.29089 AU
retrograde	-5347 Oct 14 j 23:53	29°8'32'41					
opposition	-5347 Dec 27 j 05:53	27°8'30'22	0°21'55	conjunction	-5340 Aug 02 j 06:59	28°II46'57	0°41'54
min. Earth dist.	-5347 Dec 28 j 09:46	27°8'27'19	17.24416 AU	minimum elong	-5340 Aug 02 j 06:59	28°II46'57	0°42'12
direct	-5346 Mar 13 j 19:49	25°8'23'25		morning rise	-5340 Aug 18 j 05:20	29°II47'22	
evening set	-5346 Jun 18 j 06:41	28°8'55'26			-5340 Aug 21 j 15:10	0°00'	
max. Earth dist.	-5346 Jul 03 j 09:31	29°8'52'24	19.23706 AU	retrograde	-5340 Nov 17 j 05:27	3°00'33	
				opposition	-5339 Jan 30 j 03:59	1°00'57'51	0°48'09
conjunction	-5346 Jul 04 j 17:04	29°8'57'24	0°21'42	min. Earth dist.	-5339 Jan 30 j 21:37	1°00'55'58	17.30563 AU

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Attention, astronomical year style is used: The year -5339 in astronomical counting style is the year 5340 BCE in historical counting style.

	-5339 Feb 27 j 00:46	30° κ II		conjunction	-5333 Sep 04 j 17:30	1° Ω 46'20	0°52'11
direct	-5339 Apr 17 j 05:36	29° Π 01'51		minimum elong	-5333 Sep 04 j 17:30	1° Ω 46'20	0°52'27
	-5339 Jun 03 j 21:15	0° Θ		max. Earth dist.	-5333 Sep 04 j 13:14	1° Ω 45'40	19.58903 AU
evening set	-5339 Jul 22 j 06:25	2° Θ 32'53		morning rise	-5333 Sep 20 j 09:18	2° Ω 44'59	
				retrograde	-5333 Dec 20 j 19:11	6° Ω 04'29	
conjunction	-5339 Aug 07 j 07:29	3° Θ 33'38 0°44'22		opposition	-5332 Mar 05 j 01:08	4° Ω 03'20	0°58'14
minimum elong	-5339 Aug 07 j 07:29	3° Θ 33'38 0°44'40		min. Earth dist.	-5332 Mar 05 j 02:45	4° Ω 03'10	17.61792 AU
max. Earth dist.	-5339 Aug 06 j 13:34	3° Θ 30'47 19.32095 AU		direct	-5332 May 21 j 09:09	1° Ω 59'24	
morning rise	-5339 Aug 23 j 04:43	4° Θ 33'50		evening set	-5332 Aug 23 j 18:29	5° Ω 23'41	
retrograde	-5339 Nov 22 j 06:16	7° Θ 55'46					
opposition	-5338 Feb 04 j 07:36	5° Θ 54'12 0°50'43		conjunction	-5332 Sep 08 j 11:55	6° Ω 22'23	0°52'17
min. Earth dist.	-5338 Feb 04 j 22:29	5° Θ 52'37 17.33796 AU		minimum elong	-5332 Sep 08 j 11:55	6° Ω 22'23	0°52'34
direct	-5338 Apr 22 j 11:26	3° Θ 48'28		max. Earth dist.	-5332 Sep 08 j 11:30	6° Ω 22'19	19.64758 AU
evening set	-5338 Jul 27 j 07:34	7° Θ 18'51		morning rise	-5332 Sep 24 j 02:56	7° Ω 20'45	
				retrograde	-5332 Dec 24 j 14:31	10° Ω 39'42	
conjunction	-5338 Aug 12 j 07:24	8° Θ 19'21 0°46'30		opposition	-5331 Mar 10 j 02:23	8° Ω 38'40	0°58'09
minimum elong	-5338 Aug 12 j 07:24	8° Θ 19'21 0°46'48		min. Earth dist.	-5331 Mar 10 j 02:00	8° Ω 38'42	17.67842 AU
max. Earth dist.	-5338 Aug 11 j 15:53	8° Θ 16'54 19.35552 AU		direct	-5331 May 26 j 09:17	6° Ω 35'06	
morning rise	-5338 Aug 28 j 03:25	9° Θ 19'18		evening set	-5331 Aug 28 j 12:55	9° Ω 58'08	
retrograde	-5338 Nov 27 j 05:11	12° Θ 40'58					
opposition	-5337 Feb 09 j 11:27	10° Θ 39'30 0°52'55		conjunction	-5331 Sep 13 j 05:20	10° Ω 56'30	0°52'05
min. Earth dist.	-5337 Feb 10 j 01:25	10° Θ 38'01 17.37473 AU		minimum elong	-5331 Sep 13 j 05:20	10° Ω 56'30	0°52'19
direct	-5337 Apr 27 j 15:33	8° Θ 34'02		max. Earth dist.	-5331 Sep 13 j 06:31	10° Ω 56'41	19.71010 AU
evening set	-5337 Aug 01 j 07:50	12° Θ 03'40		morning rise	-5331 Sep 28 j 19:58	11° Ω 54'36	
					-5331 Dec 07 j 12:09	15° Ω	
conjunction	-5337 Aug 17 j 06:19	13° Θ 03'52 0°48'19		retrograde	-5331 Dec 29 j 10:46	15° Ω 13'01	
minimum elong	-5337 Aug 17 j 06:19	13° Θ 03'52 0°48'38			-5330 Jan 20 j 20:20	15° κ Ω	
max. Earth dist.	-5337 Aug 16 j 16:28	13° Θ 01'41 19.39443 AU		opposition	-5330 Mar 15 j 02:47	13° Ω 12'05	0°57'43
morning rise	-5337 Sep 02 j 01:24	14° Θ 03'34		min. Earth dist.	-5330 Mar 14 j 23:17	13° Ω 12'26	17.74287 AU
retrograde	-5337 Dec 02 j 05:07	17° Θ 24'54		direct	-5330 May 31 j 08:55	11° Ω 08'56	
opposition	-5336 Feb 14 j 14:58	15° Θ 23'31 0°54'45		evening set	-5330 Sep 02 j 06:11	14° Ω 30'41	
min. Earth dist.	-5336 Feb 15 j 01:49	15° Θ 22'22 17.41557 AU			-5330 Sep 10 j 05:08	15° Ω	
direct	-5336 May 01 j 21:03	13° Θ 18'21					
evening set	-5336 Aug 05 j 07:11	16° Θ 47'05		conjunction	-5330 Sep 17 j 22:02	15° Ω 28'45	0°51'32
				minimum elong	-5330 Sep 17 j 22:02	15° Ω 28'45	0°51'46
conjunction	-5336 Aug 21 j 04:36	17° Θ 47'01 0°49'48		max. Earth dist.	-5330 Sep 18 j 03:01	15° Ω 29'31	19.77634 AU
minimum elong	-5336 Aug 21 j 04:36	17° Θ 47'01 0°50'06		morning rise	-5330 Oct 03 j 12:04	16° Ω 26'34	
max. Earth dist.	-5336 Aug 20 j 17:44	17° Θ 45'17 19.43725 AU		retrograde	-5329 Jan 03 j 05:47	19° Ω 44'25	
morning rise	-5336 Sep 05 j 22:37	18° Θ 46'27		opposition	-5329 Mar 20 j 02:47	17° Ω 43'38	0°56'55
retrograde	-5336 Dec 06 j 02:50	22° Θ 07'23		min. Earth dist.	-5329 Mar 19 j 20:59	17° Ω 44'15	17.81067 AU
opposition	-5335 Feb 18 j 18:13	20° Θ 06'05 0°56'12		direct	-5329 Jun 05 j 07:21	15° Ω 40'58	
min. Earth dist.	-5335 Feb 19 j 03:58	20° Θ 05'03 17.46035 AU		evening set	-5329 Sep 06 j 22:32	19° Ω 01'23	
direct	-5335 May 07 j 00:34	18° Θ 01'12					
evening set	-5335 Aug 10 j 05:37	21° Θ 28'56		conjunction	-5329 Sep 22 j 13:34	19° Ω 59'08	0°50'41
				minimum elong	-5329 Sep 22 j 13:35	19° Ω 59'08	0°50'55
conjunction	-5335 Aug 26 j 01:50	22° Θ 28'34 0°50'56		max. Earth dist.	-5329 Sep 22 j 20:10	20° Ω 00'09	19.84571 AU
minimum elong	-5335 Aug 26 j 01:50	22° Θ 28'34 0°51'14		morning rise	-5329 Oct 08 j 03:27	20° Ω 56'42	
max. Earth dist.	-5335 Aug 25 j 16:26	22° Θ 27'05 19.48402 AU		retrograde	-5328 Jan 08 j 00:58	24° Ω 14'00	
morning rise	-5335 Sep 10 j 19:08	23° Θ 27'45		opposition	-5328 Mar 24 j 02:06	22° Ω 13'22	0°55'47
retrograde	-5335 Dec 11 j 01:23	26° Θ 48'14		min. Earth dist.	-5328 Mar 23 j 17:37	22° Ω 14'15	17.88139 AU
opposition	-5334 Feb 23 j 20:55	24° Θ 46'59 0°57'16		direct	-5328 Jun 09 j 04:52	20° Ω 11'10	
min. Earth dist.	-5334 Feb 24 j 03:27	24° Θ 46'18 17.50895 AU		evening set	-5328 Sep 10 j 13:54	23° Ω 30'15	
direct	-5334 May 12 j 04:47	22° Θ 42'24					
evening set	-5334 Aug 15 j 02:55	26° Θ 09'04		conjunction	-5328 Sep 26 j 04:34	24° Ω 27'43	0°49'32
				minimum elong	-5328 Sep 26 j 04:34	24° Ω 27'43	0°49'44
conjunction	-5334 Aug 30 j 22:12	27° Θ 08'23 0°51'44		max. Earth dist.	-5328 Sep 26 j 14:40	24° Ω 29'16	19.91751 AU
minimum elong	-5334 Aug 30 j 22:12	27° Θ 08'23 0°52'01		morning rise	-5328 Oct 11 j 18:03	25° Ω 25'01	
max. Earth dist.	-5334 Aug 30 j 16:18	27° Θ 07'27 19.53452 AU		retrograde	-5327 Jan 11 j 19:32	28° Ω 41'44	
morning rise	-5334 Sep 15 j 14:32	28° Θ 07'18		opposition	-5327 Mar 29 j 00:31	26° Ω 41'17	0°54'18
	-5334 Oct 19 j 07:49	0° Ω		min. Earth dist.	-5327 Mar 28 j 13:46	26° Ω 42'23	17.95399 AU
retrograde	-5334 Dec 15 j 21:47	1° Ω 27'18		direct	-5327 Jun 14 j 02:27	24° Ω 39'34	
	-5333 Feb 15 j 08:33	30° κ Θ		evening set	-5327 Sep 15 j 04:33	27° Ω 57'18	
opposition	-5333 Feb 28 j 23:21	29° Θ 26'06 0°57'56					
min. Earth dist.	-5333 Mar 01 j 04:21	29° Θ 25'35 17.56136 AU		conjunction	-5327 Sep 30 j 18:36	28° Ω 54'27	0°48'05
direct	-5333 May 17 j 07:03	27° Θ 21'50		minimum elong	-5327 Sep 30 j 18:36	28° Ω 54'27	0°48'17
	-5333 Aug 06 j 17:45	0° Ω		max. Earth dist.	-5327 Oct 01 j 06:02	28° Ω 56'13	19.99081 AU
evening set	-5333 Aug 19 j 23:22	0° Ω 47'20		morning rise	-5327 Oct 16 j 08:04	29° Ω 51'31	

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Attention, astronomical year style is used: The year -5327 in astronomical counting style is the year 5328 BCE in historical counting style.

	-5327 Oct 18 j 16:47	0° $\mathring{\text{M}}$	evening set	-5320 Oct 14 j 10:57	28° $\mathring{\text{M}}$ 12'29	
retrograde	-5326 Jan 16 j 12:57	3° $\mathring{\text{M}}$ 07'40				
opposition	-5326 Apr 02 j 22:24	1° $\mathring{\text{M}}$ 07'21 0°52'31	conjunction	-5320 Oct 30 j 00:17	29° $\mathring{\text{M}}$ 07'48 0°31'10	
min. Earth dist.	-5326 Apr 02 j 09:40	1° $\mathring{\text{M}}$ 08'40 18.02784 AU	minimum elong	-5320 Oct 30 j 00:18	29° $\mathring{\text{M}}$ 07'48 0°31'12	
	-5326 May 01 j 22:08	30° $\mathring{\text{R}}$ 0	max. Earth dist.	-5320 Oct 31 j 00:34	29° $\mathring{\text{M}}$ 11'26 20.48794 AU	
direct	-5326 Jun 18 j 22:10	29° $\mathring{\text{O}}$ 06'08		-5320 Nov 13 j 16:05	0° $\mathring{\text{A}}$	
	-5326 Aug 03 j 23:45	0° $\mathring{\text{M}}$	morning rise	-5320 Nov 14 j 14:55	0° $\mathring{\text{A}}$ 03'20	
evening set	-5326 Sep 19 j 18:08	2° $\mathring{\text{M}}$ 22'30	retrograde	-5319 Feb 15 j 18:26	3° $\mathring{\text{A}}$ 15'10	
			min. Earth dist.	-5319 May 03 j 07:40	1° $\mathring{\text{A}}$ 17'51 18.52056 AU	
conjunction	-5326 Oct 05 j 07:55	3° $\mathring{\text{M}}$ 19'22 0°46'22	opposition	-5319 May 04 j 08:26	1° $\mathring{\text{A}}$ 15'22 0°32'47	
minimum elong	-5326 Oct 05 j 07:55	3° $\mathring{\text{M}}$ 19'22 0°46'31		-5319 Jun 07 j 01:14	30° $\mathring{\text{R}}$ $\mathring{\text{M}}$	
max. Earth dist.	-5326 Oct 05 j 22:26	3° $\mathring{\text{M}}$ 21'35 20.06486 AU	direct	-5319 Jul 19 j 22:26	29° $\mathring{\text{M}}$ 16'45	
morning rise	-5326 Oct 20 j 21:09	4° $\mathring{\text{M}}$ 16'10		-5319 Aug 30 j 03:06	0° $\mathring{\text{A}}$	
retrograde	-5325 Jan 21 j 06:41	7° $\mathring{\text{M}}$ 31'44	evening set	-5319 Oct 18 j 19:02	2° $\mathring{\text{A}}$ 23'45	
opposition	-5325 Apr 07 j 19:34	5° $\mathring{\text{M}}$ 31'34 0°50'26				
min. Earth dist.	-5325 Apr 07 j 04:29	5° $\mathring{\text{M}}$ 33'07 18.10188 AU	conjunction	-5319 Nov 03 j 08:28	3° $\mathring{\text{A}}$ 18'52 0°28'01	
direct	-5325 Jun 23 j 18:57	3° $\mathring{\text{M}}$ 30'49	minimum elong	-5319 Nov 03 j 08:28	3° $\mathring{\text{A}}$ 18'52 0°28'01	
evening set	-5325 Sep 24 j 07:07	6° $\mathring{\text{M}}$ 45'49	max. Earth dist.	-5319 Nov 04 j 09:50	3° $\mathring{\text{A}}$ 22'38 20.55248 AU	
			morning rise	-5319 Nov 18 j 23:39	4° $\mathring{\text{A}}$ 14'14	
conjunction	-5325 Oct 09 j 20:27	7° $\mathring{\text{M}}$ 42'23 0°44'23	retrograde	-5318 Feb 20 j 05:21	7° $\mathring{\text{A}}$ 25'29	
minimum elong	-5325 Oct 09 j 20:27	7° $\mathring{\text{M}}$ 42'23 0°44'32	opposition	-5318 May 08 j 23:36	5° $\mathring{\text{A}}$ 25'41 0°29'12	
max. Earth dist.	-5325 Oct 10 j 12:08	7° $\mathring{\text{M}}$ 44'47 20.13878 AU	min. Earth dist.	-5318 May 07 j 22:23	5° $\mathring{\text{A}}$ 28'14 18.58446 AU	
morning rise	-5325 Oct 25 j 09:50	8° $\mathring{\text{M}}$ 38'57	direct	-5318 Jul 24 j 10:14	3° $\mathring{\text{A}}$ 27'23	
retrograde	-5324 Jan 25 j 21:55	11° $\mathring{\text{M}}$ 53'55	evening set	-5318 Oct 23 j 02:13	6° $\mathring{\text{A}}$ 33'11	
opposition	-5324 Apr 11 j 15:56	9° $\mathring{\text{M}}$ 53'52 0°48'04				
min. Earth dist.	-5324 Apr 10 j 23:30	9° $\mathring{\text{M}}$ 55'33 18.17563 AU	conjunction	-5318 Nov 07 j 16:01	7° $\mathring{\text{A}}$ 28'07 0°24'45	
direct	-5324 Jun 27 j 12:52	7° $\mathring{\text{M}}$ 53'34	minimum elong	-5318 Nov 07 j 16:01	7° $\mathring{\text{A}}$ 28'07 0°24'44	
evening set	-5324 Sep 27 j 19:03	11° $\mathring{\text{M}}$ 07'11	max. Earth dist.	-5318 Nov 08 j 19:13	7° $\mathring{\text{A}}$ 32'08 20.61561 AU	
			morning rise	-5318 Nov 23 j 07:39	8° $\mathring{\text{A}}$ 23'18	
conjunction	-5324 Oct 13 j 08:22	12° $\mathring{\text{M}}$ 03'29 0°42'09	retrograde	-5317 Feb 24 j 17:07	11° $\mathring{\text{A}}$ 34'02	
minimum elong	-5324 Oct 13 j 08:22	12° $\mathring{\text{M}}$ 03'29 0°42'16	min. Earth dist.	-5317 May 12 j 10:12	9° $\mathring{\text{A}}$ 37'03 18.64677 AU	
max. Earth dist.	-5324 Oct 14 j 02:33	12° $\mathring{\text{M}}$ 06'15 20.21199 AU	opposition	-5317 May 13 j 13:47	9° $\mathring{\text{A}}$ 34'16 0°25'30	
morning rise	-5324 Oct 28 j 21:44	12° $\mathring{\text{M}}$ 59'49	direct	-5317 Jul 28 j 23:20	7° $\mathring{\text{A}}$ 36'17	
retrograde	-5323 Jan 29 j 14:04	16° $\mathring{\text{M}}$ 14'10	evening set	-5317 Oct 27 j 09:03	10° $\mathring{\text{A}}$ 40'58	
opposition	-5323 Apr 16 j 11:23	14° $\mathring{\text{M}}$ 14'13 0°45'26				
min. Earth dist.	-5323 Apr 15 j 16:42	14° $\mathring{\text{M}}$ 16'07 18.24810 AU	conjunction	-5317 Nov 11 j 23:06	11° $\mathring{\text{A}}$ 35'42 0°21'22	
direct	-5323 Jul 02 j 08:16	12° $\mathring{\text{M}}$ 14'19	minimum elong	-5317 Nov 11 j 23:06	11° $\mathring{\text{A}}$ 35'42 0°21'20	
evening set	-5323 Oct 02 j 06:23	15° $\mathring{\text{M}}$ 26'34	max. Earth dist.	-5317 Nov 13 j 03:19	11° $\mathring{\text{A}}$ 39'52 20.67701 AU	
			morning rise	-5317 Nov 27 j 15:25	12° $\mathring{\text{A}}$ 30'46	
conjunction	-5323 Oct 17 j 19:25	16° $\mathring{\text{M}}$ 22'37 0°39'41	retrograde	-5316 Feb 29 j 03:07	15° $\mathring{\text{A}}$ 40'59	
minimum elong	-5323 Oct 17 j 19:25	16° $\mathring{\text{M}}$ 22'37 0°39'47	min. Earth dist.	-5316 May 15 j 23:31	13° $\mathring{\text{A}}$ 44'04 18.70736 AU	
max. Earth dist.	-5323 Oct 18 j 14:32	16° $\mathring{\text{M}}$ 25'30 20.28363 AU	opposition	-5316 May 17 j 03:12	13° $\mathring{\text{A}}$ 41'17 0°21'42	
morning rise	-5323 Nov 02 j 09:04	17° $\mathring{\text{M}}$ 18'44	direct	-5316 Aug 01 j 08:53	11° $\mathring{\text{A}}$ 43'37	
retrograde	-5322 Feb 03 j 03:24	20° $\mathring{\text{M}}$ 32'28	evening set	-5316 Oct 30 j 15:14	14° $\mathring{\text{A}}$ 47'15	
min. Earth dist.	-5322 Apr 20 j 10:30	18° $\mathring{\text{M}}$ 34'33 18.31899 AU				
opposition	-5322 Apr 21 j 06:03	18° $\mathring{\text{M}}$ 32'34 0°42'34	conjunction	-5316 Nov 15 j 05:49	15° $\mathring{\text{A}}$ 41'51 0°17'55	
direct	-5322 Jul 07 j 00:04	16° $\mathring{\text{M}}$ 33'02	minimum elong	-5316 Nov 15 j 05:48	15° $\mathring{\text{A}}$ 41'51 0°17'51	
evening set	-5322 Oct 06 j 16:42	19° $\mathring{\text{M}}$ 43'56	max. Earth dist.	-5316 Nov 16 j 11:23	15° $\mathring{\text{A}}$ 46'11 20.73658 AU	
			morning rise	-5316 Nov 30 j 22:44	16° $\mathring{\text{A}}$ 36'47	
conjunction	-5322 Oct 22 j 05:50	20° $\mathring{\text{M}}$ 39'43 0°37'02	retrograde	-5315 Mar 04 j 14:16	19° $\mathring{\text{A}}$ 46'31	
minimum elong	-5322 Oct 22 j 05:51	20° $\mathring{\text{M}}$ 39'43 0°37'06	min. Earth dist.	-5315 May 20 j 10:05	17° $\mathring{\text{A}}$ 49'53 18.76570 AU	
max. Earth dist.	-5322 Oct 23 j 03:07	20° $\mathring{\text{M}}$ 42'56 20.35363 AU	opposition	-5315 May 21 j 15:44	17° $\mathring{\text{A}}$ 46'55 0°17'48	
morning rise	-5322 Nov 06 j 19:40	21° $\mathring{\text{M}}$ 35'38	direct	-5315 Aug 05 j 20:10	15° $\mathring{\text{A}}$ 49'34	
retrograde	-5321 Feb 07 j 17:41	24° $\mathring{\text{M}}$ 48'43	evening set	-5315 Nov 03 j 21:01	18° $\mathring{\text{A}}$ 52'14	
opposition	-5321 Apr 25 j 23:48	22° $\mathring{\text{M}}$ 48'53 0°39'29				
min. Earth dist.	-5321 Apr 25 j 01:55	22° $\mathring{\text{M}}$ 51'06 18.38796 AU	conjunction	-5315 Nov 19 j 11:56	19° $\mathring{\text{A}}$ 46'41 0°14'22	
direct	-5321 Jul 11 j 17:32	20° $\mathring{\text{M}}$ 49'41	minimum elong	-5315 Nov 19 j 11:56	19° $\mathring{\text{A}}$ 46'41 0°14'18	
evening set	-5321 Oct 11 j 02:14	23° $\mathring{\text{M}}$ 59'14	behind sun begin	-5315 Nov 19 j 08:44	19° $\mathring{\text{A}}$ 46'13	
			behind sun end	-5315 Nov 19 j 15:09	19° $\mathring{\text{A}}$ 47'08	
conjunction	-5321 Oct 26 j 15:20	24° $\mathring{\text{M}}$ 54'47 0°34'11	max. Earth dist.	-5315 Nov 20 j 18:18	19° $\mathring{\text{A}}$ 51'07 20.79353 AU	
minimum elong	-5321 Oct 26 j 15:20	24° $\mathring{\text{M}}$ 54'47 0°34'13	morning rise	-5315 Dec 05 j 05:37	20° $\mathring{\text{A}}$ 41'31	
max. Earth dist.	-5321 Oct 27 j 13:39	24° $\mathring{\text{M}}$ 58'07 20.42164 AU	retrograde	-5314 Mar 08 j 23:19	23° $\mathring{\text{A}}$ 50'50	
morning rise	-5321 Nov 11 j 05:38	25° $\mathring{\text{M}}$ 50'29	min. Earth dist.	-5314 May 24 j 22:26	21° $\mathring{\text{A}}$ 54'16 18.82131 AU	
retrograde	-5320 Feb 12 j 05:45	29° $\mathring{\text{M}}$ 02'58	opposition	-5314 May 26 j 03:46	21° $\mathring{\text{A}}$ 51'19 0°13'50	
opposition	-5320 Apr 29 j 16:46	27° $\mathring{\text{M}}$ 03'08 0°36'13	direct	-5314 Aug 10 j 03:59	19° $\mathring{\text{A}}$ 54'18	
min. Earth dist.	-5320 Apr 28 j 18:18	27° $\mathring{\text{M}}$ 05'24 18.45515 AU	evening set	-5314 Nov 08 j 02:24	22° $\mathring{\text{A}}$ 56'04	
direct	-5320 Jul 15 j 07:23	25° $\mathring{\text{M}}$ 04'14				

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Attention, astronomical year style is used: The year -5314 in astronomical counting style is the year 5315 BCE in historical counting style.

conjunction	-5314 Nov 23 j 17:57	23° $\underline{\text{A}}$ 50'23	0°10'47	behind sun end	-5309 Dec 14 j 03:13	13° M .56'05	
minimum elong	-5314 Nov 23 j 17:57	23° $\underline{\text{A}}$ 50'23	0°10'40	max. Earth dist.	-5309 Dec 15 j 04:35	13° M .59'45	21.05161 AU
behind sun begin	-5314 Nov 23 j 12:51	23° $\underline{\text{A}}$ 49'40		morning rise	-5309 Dec 29 j 20:01	14° M .49'47	
behind sun end	-5314 Nov 23 j 23:03	23° $\underline{\text{A}}$ 51'07			-5308 Jan 01 j 21:19	15° M .	
max. Earth dist.	-5314 Nov 25 j 01:15	23° $\underline{\text{A}}$ 54'57	20.84763 AU	retrograde	-5308 Apr 02 j 05:53	17° M .57'08	
morning rise	-5314 Dec 09 j 12:19	24° $\underline{\text{A}}$ 45'08		min. Earth dist.	-5308 Jun 18 j 09:34	16° M .00'49	19.06515 AU
retrograde	-5313 Mar 13 j 10:07	27° $\underline{\text{A}}$ 54'03		opposition	-5308 Jun 19 j 14:25	15° M .57'56	-0°10'22
min. Earth dist.	-5313 May 29 j 08:07	25° $\underline{\text{A}}$ 57'44	18.87366 AU		-5308 Jul 14 j 21:05	15° R M .	
opposition	-5313 May 30 j 14:59	25° $\underline{\text{A}}$ 54'39	0°09'49	direct	-5308 Sep 03 j 00:12	14° M .02'06	
direct	-5313 Aug 14 j 13:46	23° $\underline{\text{A}}$ 57'56			-5308 Oct 21 j 05:27	15° M .	
evening set	-5313 Nov 12 j 07:34	26° $\underline{\text{A}}$ 58'51		evening set	-5308 Dec 01 j 06:38	16° M .59'50	
conjunction	-5313 Nov 27 j 23:38	27° $\underline{\text{A}}$ 53'05	0°07'09	conjunction	-5308 Dec 17 j 02:26	17° M .53'48	-0°11'09
minimum elong	-5313 Nov 27 j 23:38	27° $\underline{\text{A}}$ 53'05	0°07'02	minimum elong	-5308 Dec 17 j 02:26	17° M .53'48	0°11'21
behind sun begin	-5313 Nov 27 j 17:33	27° $\underline{\text{A}}$ 52'13		behind sun begin	-5308 Dec 16 j 21:36	17° M .53'07	
behind sun end	-5313 Nov 28 j 05:43	27° $\underline{\text{A}}$ 53'56		behind sun end	-5308 Dec 17 j 07:16	17° M .54'28	
max. Earth dist.	-5313 Nov 29 j 07:19	27° $\underline{\text{A}}$ 57'41	20.89800 AU	max. Earth dist.	-5308 Dec 18 j 09:21	17° M .58'13	21.07649 AU
morning rise	-5313 Dec 13 j 18:52	28° $\underline{\text{A}}$ 47'45		morning rise	-5307 Jan 02 j 02:05	18° M .48'19	
	-5312 Jan 05 j 06:16	0° M .		retrograde	-5307 Apr 06 j 14:59	21° M .55'25	
retrograde	-5312 Mar 16 j 18:36	1° M .56'19		opposition	-5307 Jun 23 j 22:07	19° M .56'09	-0°14'17
	-5312 Jun 01 j 19:51	30° R $\underline{\text{A}}$		min. Earth dist.	-5307 Jun 22 j 16:49	19° M .59'05	19.08734 AU
min. Earth dist.	-5312 Jun 01 j 19:44	0° M .00'01	18.92204 AU	direct	-5307 Sep 07 j 06:26	18° M .00'20	
opposition	-5312 Jun 03 j 01:43	29° $\underline{\text{A}}$ 57'01	0°05'46	evening set	-5307 Dec 05 j 10:43	20° M .57'36	
direct	-5312 Aug 17 j 20:26	28° $\underline{\text{A}}$ 00'34					
	-5312 Oct 27 j 18:28	0° M .		conjunction	-5307 Dec 21 j 07:17	21° M .51'34	-0°14'39
evening set	-5312 Nov 15 j 12:32	1° M .00'44		minimum elong	-5307 Dec 21 j 07:17	21° M .51'34	0°14'53
				behind sun begin	-5307 Dec 21 j 04:40	21° M .51'12	
conjunction	-5312 Dec 01 j 05:18	1° M .54'52	0°03'30	behind sun end	-5307 Dec 21 j 09:53	21° M .51'56	
minimum elong	-5312 Dec 01 j 05:17	1° M .54'52	0°03'20	max. Earth dist.	-5307 Dec 22 j 13:48	21° M .55'56	21.09609 AU
behind sun begin	-5312 Nov 30 j 22:46	1° M .53'57		morning rise	-5306 Jan 06 j 07:55	22° M .46'06	
behind sun end	-5312 Dec 01 j 11:48	1° M .55'47		retrograde	-5306 Apr 10 j 21:08	25° M .52'59	
max. Earth dist.	-5312 Dec 02 j 13:17	1° M .59'30	20.94417 AU	min. Earth dist.	-5306 Jun 27 j 01:40	23° M .56'25	19.10460 AU
morning rise	-5312 Dec 17 j 01:16	2° M .49'29		opposition	-5306 Jun 28 j 05:30	23° M .53'38	-0°18'07
retrograde	-5311 Mar 21 j 04:47	5° M .57'42		direct	-5306 Sep 11 j 11:47	21° M .57'49	
min. Earth dist.	-5311 Jun 06 j 04:36	4° M .01'34	18.96582 AU	evening set	-5306 Dec 09 j 14:49	24° M .54'43	
opposition	-5311 Jun 07 j 11:34	3° M .58'29	0°01'42				
direct	-5311 Aug 22 j 04:56	2° M .02'15		conjunction	-5306 Dec 25 j 12:19	25° M .48'42	-0°18'04
desc. node	-5311 Nov 09 j 17:38	4° M .28'41		minimum elong	-5306 Dec 25 j 12:19	25° M .48'42	0°18'18
evening set	-5311 Nov 19 j 17:23	5° M .01'44		max. Earth dist.	-5306 Dec 26 j 18:28	25° M .52'59	21.11116 AU
				morning rise	-5305 Jan 10 j 13:54	26° M .43'15	
conjunction	-5311 Dec 05 j 10:43	5° M .55'49	-0°00'16	retrograde	-5305 Apr 15 j 06:20	29° M .49'57	
minimum elong	-5311 Dec 05 j 10:43	5° M .55'49	0°00'25	min. Earth dist.	-5305 Jul 01 j 07:55	27° M .53'21	19.11750 AU
behind sun begin	-5311 Dec 05 j 04:11	5° M .54'54		opposition	-5305 Jul 02 j 12:10	27° M .50'31	-0°21'51
behind sun end	-5311 Dec 05 j 17:16	5° M .56'44		direct	-5305 Sep 15 j 17:21	25° M .54'40	
max. Earth dist.	-5311 Dec 06 j 18:36	6° M .00'25	20.98535 AU	evening set	-5305 Dec 13 j 18:59	28° M .51'17	
morning rise	-5311 Dec 21 j 07:36	6° M .50'23					
retrograde	-5310 Mar 25 j 12:57	9° M .58'18		conjunction	-5305 Dec 29 j 17:21	29° M .45'18	-0°21'23
opposition	-5310 Jun 11 j 21:11	7° M .59'07	-0°02'22	minimum elong	-5305 Dec 29 j 17:21	29° M .45'18	0°21'39
min. Earth dist.	-5310 Jun 10 j 15:27	8° M .02'05	19.00447 AU	max. Earth dist.	-5305 Dec 30 j 22:59	29° M .49'31	21.12188 AU
direct	-5310 Aug 26 j 11:01	6° M .03'05			-5304 Jan 03 j 00:37	0° A .	
evening set	-5310 Nov 23 j 21:50	9° M .01'55		morning rise	-5304 Jan 14 j 19:59	0° A .39'55	
				retrograde	-5304 Apr 18 j 11:57	3° A .46'27	
conjunction	-5310 Dec 09 j 16:00	9° M .55'56	-0°03'59	opposition	-5304 Jul 05 j 18:35	1° A .46'57	-0°25'28
minimum elong	-5310 Dec 09 j 16:00	9° M .55'56	0°04'09	min. Earth dist.	-5304 Jul 04 j 15:56	1° A .49'38	19.12621 AU
behind sun begin	-5310 Dec 09 j 09:32	9° M .55'02			-5304 Aug 31 j 03:36	30° R M .	
behind sun end	-5310 Dec 09 j 22:29	9° M .56'51		direct	-5304 Sep 18 j 21:22	29° M .51'05	
max. Earth dist.	-5310 Dec 10 j 23:46	10° M .00'31	21.02134 AU		-5304 Oct 07 j 12:24	0° A .	
morning rise	-5310 Dec 25 j 13:45	10° M .50'29		evening set	-5304 Dec 16 j 23:12	2° A .47'30	
retrograde	-5309 Mar 29 j 22:29	13° M .58'07					
min. Earth dist.	-5309 Jun 14 j 23:42	12° M .01'58	19.03762 AU	conjunction	-5303 Jan 01 j 22:33	3° A .41'34	-0°24'36
opposition	-5309 Jun 16 j 06:05	11° M .58'56	-0°06'23	minimum elong	-5303 Jan 01 j 22:33	3° A .41'34	0°24'52
direct	-5309 Aug 30 j 18:25	10° M .03'01		max. Earth dist.	-5303 Jan 03 j 03:34	3° A .45'41	21.12865 AU
evening set	-5309 Nov 28 j 02:23	13° M .01'17		morning rise	-5303 Jan 18 j 02:06	4° A .36'14	
				retrograde	-5303 Apr 22 j 20:57	7° A .42'41	
conjunction	-5309 Dec 13 j 21:16	13° M .55'16	-0°07'35	min. Earth dist.	-5303 Jul 08 j 21:37	5° A .45'50	19.13099 AU
minimum elong	-5309 Dec 13 j 21:16	13° M .55'16	0°07'47	opposition	-5303 Jul 10 j 00:29	5° A .43'08	-0°28'58
behind sun begin	-5309 Dec 13 j 15:20	13° M .54'26		direct	-5303 Sep 23 j 02:46	3° A .47'14	

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Attention, astronomical year style is used: The year -5303 in astronomical counting style is the year 5304 BCE in historical counting style.

evening set	-5303 Dec 21 j 03:38	6° \nearrow 43'32		max. Earth dist.	-5296 Jan 31 j 15:58	1° \searrow 23'49	21.05516 AU
				morning rise	-5296 Feb 16 j 06:37	2° \searrow 16'31	
conjunction	-5302 Jan 06 j 03:52	7° \nearrow 37'40	-0°27'43	retrograde	-5296 May 21 j 04:04	5° \searrow 23'42	
minimum elong	-5302 Jan 06 j 03:52	7° \nearrow 37'40	0°27'59	opposition	-5296 Aug 06 j 14:59	3° \searrow 23'57	-0°48'53
max. Earth dist.	-5302 Jan 07 j 08:12	7° \nearrow 41'42	21.13141 AU	min. Earth dist.	-5296 Aug 05 j 22:40	3° \searrow 25'37	19.04055 AU
morning rise	-5302 Jan 22 j 08:27	8° \nearrow 32'25		direct	-5296 Oct 20 j 06:45	1° \searrow 27'23	
retrograde	-5302 Apr 27 j 02:47	11° \nearrow 38'51		evening set	-5295 Jan 17 j 21:11	4° \searrow 25'21	
min. Earth dist.	-5302 Jul 13 j 05:13	9° \nearrow 41'47	19.13183 AU				
opposition	-5302 Jul 14 j 06:21	9° \nearrow 39'15	-0°32'19	conjunction	-5295 Feb 03 j 04:35	5° \searrow 20'28	-0°45'09
direct	-5302 Sep 27 j 05:32	7° \nearrow 43'19		minimum elong	-5295 Feb 03 j 04:35	5° \searrow 20'28	0°45'27
evening set	-5302 Dec 25 j 08:08	10° \nearrow 39'36		max. Earth dist.	-5295 Feb 03 j 22:08	5° \searrow 22'57	21.02394 AU
				morning rise	-5295 Feb 19 j 15:58	6° \searrow 16'08	
conjunction	-5301 Jan 10 j 09:28	11° \nearrow 33'49	-0°30'41	retrograde	-5295 May 25 j 13:31	9° \searrow 23'34	
minimum elong	-5301 Jan 10 j 09:28	11° \nearrow 33'49	0°30'58	opposition	-5295 Aug 10 j 20:27	7° \searrow 23'43	-0°50'55
max. Earth dist.	-5301 Jan 11 j 12:55	11° \nearrow 37'43	21.13038 AU	min. Earth dist.	-5295 Aug 10 j 05:15	7° \searrow 25'16	19.00650 AU
morning rise	-5301 Jan 26 j 15:03	12° \nearrow 28'39		direct	-5295 Oct 24 j 12:06	5° \searrow 26'53	
retrograde	-5301 May 01 j 11:43	15° \nearrow 35'06		evening set	-5294 Jan 22 j 05:11	8° \searrow 25'22	
min. Earth dist.	-5301 Jul 17 j 10:55	13° \nearrow 38'01	19.12867 AU				
opposition	-5301 Jul 18 j 11:55	13° \nearrow 35'29	-0°35'32	conjunction	-5294 Feb 07 j 13:36	9° \searrow 20'41	-0°46'52
direct	-5301 Oct 01 j 10:56	11° \nearrow 39'30		minimum elong	-5294 Feb 07 j 13:36	9° \searrow 20'41	0°47'10
evening set	-5301 Dec 29 j 13:13	14° \nearrow 35'52		max. Earth dist.	-5294 Feb 08 j 05:14	9° \searrow 22'55	20.98723 AU
				morning rise	-5294 Feb 24 j 01:52	10° \searrow 16'33	
conjunction	-5300 Jan 14 j 15:29	15° \nearrow 30'12	-0°33'31	retrograde	-5294 May 29 j 21:33	13° \searrow 24'14	
minimum elong	-5300 Jan 14 j 15:29	15° \nearrow 30'12	0°33'48	opposition	-5294 Aug 15 j 02:05	11° \searrow 24'15	-0°52'42
max. Earth dist.	-5300 Jan 15 j 17:54	15° \nearrow 33'57	21.12502 AU	min. Earth dist.	-5294 Aug 14 j 13:31	11° \searrow 25'32	18.96728 AU
morning rise	-5300 Jan 30 j 22:05	16° \nearrow 25'08		direct	-5294 Oct 28 j 16:44	9° \searrow 27'08	
retrograde	-5300 May 04 j 18:15	19° \nearrow 31'39		evening set	-5293 Jan 26 j 13:40	12° \searrow 26'12	
opposition	-5300 Jul 21 j 17:19	17° \nearrow 32'02	-0°38'35				
min. Earth dist.	-5300 Jul 20 j 18:27	17° \nearrow 34'21	19.12113 AU	conjunction	-5293 Feb 11 j 23:10	13° \searrow 21'44	-0°48'22
direct	-5300 Oct 04 j 13:32	15° \nearrow 36'00		minimum elong	-5293 Feb 11 j 23:10	13° \searrow 21'44	0°48'40
evening set	-5299 Jan 01 j 18:35	18° \nearrow 32'32		max. Earth dist.	-5293 Feb 12 j 12:29	13° \searrow 23'38	20.94581 AU
				morning rise	-5293 Feb 28 j 12:23	14° \searrow 17'48	
conjunction	-5299 Jan 17 j 21:54	19° \nearrow 26'59	-0°36'12	retrograde	-5293 Jun 03 j 07:47	17° \searrow 25'45	
minimum elong	-5299 Jan 17 j 21:54	19° \nearrow 26'59	0°36'30	opposition	-5293 Aug 19 j 07:45	15° \searrow 25'37	-0°54'14
max. Earth dist.	-5299 Jan 18 j 22:58	19° \nearrow 30'32	21.11532 AU	min. Earth dist.	-5293 Aug 18 j 20:24	15° \searrow 26'48	18.92361 AU
morning rise	-5299 Feb 03 j 05:29	20° \nearrow 22'03		direct	-5293 Nov 01 j 23:02	13° \searrow 28'11	
retrograde	-5299 May 09 j 03:21	23° \nearrow 28'40		evening set	-5292 Jan 30 j 22:54	16° \searrow 27'55	
opposition	-5299 Jul 25 j 22:40	21° \nearrow 29'03	-0°41'27				
min. Earth dist.	-5299 Jul 25 j 00:19	21° \nearrow 31'18	19.10900 AU	conjunction	-5292 Feb 16 j 09:22	17° \searrow 23'41	-0°49'37
direct	-5299 Oct 08 j 18:26	19° \nearrow 32'56		minimum elong	-5292 Feb 16 j 09:22	17° \searrow 23'41	0°49'56
evening set	-5298 Jan 06 j 00:21	22° \nearrow 29'43		max. Earth dist.	-5292 Feb 16 j 20:52	17° \searrow 25'19	20.90003 AU
				morning rise	-5292 Mar 03 j 23:21	18° \searrow 19'57	
conjunction	-5298 Jan 22 j 04:38	23° \nearrow 24'18	-0°38'43	retrograde	-5292 Jun 06 j 15:47	21° \searrow 28'13	
minimum elong	-5298 Jan 22 j 04:38	23° \nearrow 24'18	0°39'01	opposition	-5292 Aug 22 j 13:34	19° \searrow 27'56	-0°55'30
max. Earth dist.	-5298 Jan 23 j 04:18	23° \nearrow 27'40	21.10063 AU	min. Earth dist.	-5292 Aug 22 j 04:45	19° \searrow 28'51	18.87596 AU
morning rise	-5298 Feb 07 j 13:11	24° \nearrow 19'30		direct	-5292 Nov 05 j 03:50	17° \searrow 30'10	
retrograde	-5298 May 13 j 10:46	27° \nearrow 26'18		evening set	-5291 Feb 03 j 08:40	20° \searrow 30'38	
min. Earth dist.	-5298 Jul 29 j 08:13	25° \nearrow 28'41	19.09173 AU				
opposition	-5298 Jul 30 j 04:09	25° \nearrow 26'39	-0°44'09	conjunction	-5291 Feb 19 j 20:06	21° \searrow 26'38	-0°50'38
direct	-5298 Oct 12 j 21:46	23° \nearrow 30'26		minimum elong	-5291 Feb 19 j 20:06	21° \searrow 26'38	0°50'55
evening set	-5297 Jan 10 j 06:45	26° \nearrow 27'33		max. Earth dist.	-5291 Feb 20 j 05:16	21° \searrow 27'56	20.85081 AU
				morning rise	-5291 Mar 08 j 10:56	22° \searrow 23'06	
conjunction	-5297 Jan 26 j 12:07	27° \nearrow 22'18	-0°41'04	retrograde	-5291 Jun 11 j 02:59	25° \searrow 31'44	
minimum elong	-5297 Jan 26 j 12:07	27° \nearrow 22'18	0°41'22	opposition	-5291 Aug 26 j 19:38	23° \searrow 31'19	-0°56'31
max. Earth dist.	-5297 Jan 27 j 09:52	27° \nearrow 25'23	21.08077 AU	min. Earth dist.	-5291 Aug 26 j 11:58	23° \searrow 32'07	18.82518 AU
morning rise	-5297 Feb 11 j 21:38	28° \nearrow 17'39		direct	-5291 Nov 09 j 10:51	21° \searrow 33'11	
	-5297 Mar 17 j 21:27	0° \searrow		evening set	-5290 Feb 07 j 18:59	24° \searrow 34'28	
retrograde	-5297 May 17 j 20:07	1° \searrow 24'37					
	-5297 Jul 19 j 19:29	30° \nwarrow		conjunction	-5290 Feb 24 j 07:25	25° \searrow 30'43	-0°51'25
opposition	-5297 Aug 03 j 09:26	29° \nearrow 24'57	-0°46'37	minimum elong	-5290 Feb 24 j 07:25	25° \searrow 30'43	0°51'42
min. Earth dist.	-5297 Aug 02 j 14:29	29° \nearrow 26'52	19.06905 AU	max. Earth dist.	-5290 Feb 24 j 14:58	25° \searrow 31'48	20.79852 AU
direct	-5297 Oct 17 j 02:28	27° \nearrow 28'34		morning rise	-5290 Mar 12 j 22:57	26° \searrow 27'25	
	-5296 Jan 06 j 14:03	0° \searrow		retrograde	-5290 Jun 15 j 11:51	29° \searrow 36'27	
evening set	-5296 Jan 14 j 13:47	0° \searrow 26'05		opposition	-5290 Aug 31 j 02:06	27° \searrow 35'54	-0°57'14
				min. Earth dist.	-5290 Aug 30 j 20:49	27° \searrow 36'27	18.77155 AU
conjunction	-5296 Jan 30 j 20:09	1° \searrow 21'00	-0°43'12	direct	-5290 Nov 13 j 16:24	25° \searrow 37'26	
minimum elong	-5296 Jan 30 j 20:09	1° \searrow 21'00	0°43'30	evening set	-5289 Feb 12 j 06:15	28° \searrow 39'36	

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Attention, astronomical year style is used: The year -5289 in astronomical counting style is the year 5290 BCE in historical counting style.

conjunction	-5289 Feb 28 j 19:36	29° Z 36'06	-0°51'56	minimum elong	-5283 Mar 26 j 14:52	24° Z 43'36	0°49'35
minimum elong	-5289 Feb 28 j 19:36	29° Z 36'06	0°52'12	max. Earth dist.	-5283 Mar 26 j 05:09	24° Z 42'11	20.37023 AU
max. Earth dist.	-5289 Mar 01 j 00:36	29° Z 36'49	20.74379 AU	morning rise	-5283 Apr 12 j 10:10	25° Z 42'05	
	-5289 Mar 07 j 18:25	0° Z		retrograde	-5283 Jul 15 j 08:42	28° Z 54'48	
morning rise	-5289 Mar 17 j 11:56	0° Z 33'02		opposition	-5283 Sep 28 j 12:41	26° Z 53'41	-0°54'02
retrograde	-5289 Jun 19 j 23:53	3° Z 42'30		min. Earth dist.	-5283 Sep 28 j 21:09	26° Z 52'47	18.33546 AU
opposition	-5289 Sep 04 j 08:45	1° Z 41'50	-0°57'41	direct	-5283 Dec 12 j 05:55	24° Z 52'44	
min. Earth dist.	-5289 Sep 04 j 04:44	1° Z 42'16	18.71565 AU	evening set	-5282 Mar 14 j 14:40	28° Z 02'53	
	-5289 Oct 23 j 05:20	30° R Z					
direct	-5289 Nov 17 j 24:00	29° Z 43'01		conjunction	-5282 Mar 31 j 09:20	29° Z 01'28	-0°47'58
	-5289 Dec 13 j 11:04	0° Z		minimum elong	-5282 Mar 31 j 09:21	29° Z 01'28	0°48'08
evening set	-5288 Feb 16 j 18:22	2° Z 46'09		max. Earth dist.	-5282 Mar 30 j 21:56	28° Z 59'48	20.29999 AU
				morning rise	-5282 Apr 17 j 04:45	0° Z 00'12	
conjunction	-5288 Mar 04 j 08:39	3° Z 42'57	-0°52'12		-5282 Apr 17 j 03:19	0° Z	
minimum elong	-5288 Mar 04 j 08:39	3° Z 42'57	0°52'27	retrograde	-5282 Jul 19 j 23:46	3° Z 13'30	
max. Earth dist.	-5288 Mar 04 j 12:00	3° Z 43'25	20.68672 AU	opposition	-5282 Oct 02 j 23:40	1° Z 12'15	-0°52'19
morning rise	-5288 Mar 21 j 01:31	4° Z 40'07		min. Earth dist.	-5282 Oct 03 j 10:26	1° Z 11'06	18.26414 AU
retrograde	-5288 Jun 23 j 10:30	7° Z 50'03			-5282 Nov 02 j 05:27	30° R Z	
opposition	-5288 Sep 07 j 16:02	5° Z 49'18	-0°57'51	direct	-5282 Dec 16 j 17:24	29° Z 10'53	
min. Earth dist.	-5288 Sep 07 j 14:22	5° Z 49'29	18.65754 AU		-5281 Jan 29 j 14:22	0° Z	
direct	-5288 Nov 21 j 06:35	3° Z 50'10		evening set	-5281 Mar 19 j 09:36	2° Z 22'19	
evening set	-5287 Feb 20 j 07:12	6° Z 54'19					
				conjunction	-5281 Apr 05 j 04:38	3° Z 21'12	-0°46'16
conjunction	-5287 Mar 08 j 22:15	7° Z 51'23	-0°52'11	minimum elong	-5281 Apr 05 j 04:39	3° Z 21'12	0°46'25
minimum elong	-5287 Mar 08 j 22:15	7° Z 51'23	0°52'27	max. Earth dist.	-5281 Apr 04 j 13:32	3° Z 18'59	20.22788 AU
max. Earth dist.	-5287 Mar 08 j 22:51	7° Z 51'28	20.62774 AU	morning rise	-5281 Apr 22 j 00:23	4° Z 20'12	
morning rise	-5287 Mar 25 j 15:50	8° Z 48'49		retrograde	-5281 Jul 24 j 16:25	7° Z 34'04	
retrograde	-5287 Jun 27 j 23:42	11° Z 59'16		opposition	-5281 Oct 07 j 11:13	5° Z 32'41	-0°50'18
opposition	-5287 Sep 11 j 23:44	9° Z 58'27	-0°57'42	min. Earth dist.	-5281 Oct 08 j 00:05	5° Z 31'18	18.19134 AU
min. Earth dist.	-5287 Sep 11 j 23:28	9° Z 58'28	18.59756 AU	direct	-5281 Dec 21 j 06:50	3° Z 30'51	
direct	-5287 Nov 25 j 15:06	7° Z 58'58		evening set	-5280 Mar 23 j 05:16	6° Z 43'36	
evening set	-5286 Feb 24 j 21:04	11° Z 04'14		max. Earth dist.	-5280 Apr 08 j 08:28	7° Z 40'22	20.15449 AU
conjunction	-5286 Mar 13 j 13:01	12° Z 01'35	-0°51'55	conjunction	-5280 Apr 09 j 00:53	7° Z 42'48	-0°44'17
minimum elong	-5286 Mar 13 j 13:01	12° Z 01'35	0°52'09	minimum elong	-5280 Apr 09 j 00:53	7° Z 42'48	0°44'26
max. Earth dist.	-5286 Mar 13 j 11:59	12° Z 01'26	20.56670 AU	morning rise	-5280 Apr 25 j 20:32	8° Z 42'03	
morning rise	-5286 Mar 30 j 07:01	12° Z 59'16		retrograde	-5280 Jul 28 j 08:42	11° Z 56'29	
	-5286 May 09 j 13:47	15° Z		opposition	-5280 Oct 10 j 23:35	9° Z 54'57	-0°47'58
retrograde	-5286 Jul 02 j 12:03	16° Z 10'16		min. Earth dist.	-5280 Oct 11 j 14:19	9° Z 53'22	18.11760 AU
	-5286 Aug 26 j 15:19	15° R Z		direct	-5280 Dec 24 j 20:29	7° Z 52'40	
opposition	-5286 Sep 16 j 07:59	14° Z 09'23	-0°57'15	evening set	-5279 Mar 28 j 01:44	11° Z 06'44	
min. Earth dist.	-5286 Sep 16 j 10:09	14° Z 09'09	18.53547 AU				
direct	-5286 Nov 29 j 22:50	12° Z 09'35		conjunction	-5279 Apr 13 j 21:32	12° Z 06'13	-0°42'02
	-5285 Feb 24 j 17:52	15° Z		minimum elong	-5279 Apr 13 j 21:32	12° Z 06'13	0°42'09
evening set	-5285 Mar 01 j 12:03	15° Z 16'00		max. Earth dist.	-5279 Apr 13 j 01:48	12° Z 03'18	20.08071 AU
				morning rise	-5279 Apr 30 j 17:22	13° Z 05'44	
conjunction	-5285 Mar 18 j 04:41	16° Z 13'39	-0°51'21	retrograde	-5279 Aug 02 j 01:57	16° Z 20'47	
minimum elong	-5285 Mar 18 j 04:41	16° Z 13'40	0°51'36	opposition	-5279 Oct 15 j 12:39	14° Z 19'04	-0°45'21
max. Earth dist.	-5285 Mar 18 j 00:22	16° Z 13'02	20.50365 AU	min. Earth dist.	-5279 Oct 16 j 05:21	14° Z 17'16	18.04398 AU
morning rise	-5285 Apr 03 j 23:18	17° Z 11'37		direct	-5279 Dec 29 j 11:06	12° Z 16'19	
retrograde	-5285 Jul 07 j 02:56	20° Z 23'10		evening set	-5278 Apr 01 j 23:04	15° Z 31'44	
opposition	-5285 Sep 20 j 16:52	18° Z 22'13	-0°56'30				
min. Earth dist.	-5285 Sep 20 j 20:51	18° Z 21'48	18.47125 AU	conjunction	-5278 Apr 18 j 19:18	16° Z 31'31	-0°39'32
direct	-5285 Dec 04 j 08:49	16° Z 22'04		minimum elong	-5278 Apr 18 j 19:19	16° Z 31'31	0°39'38
evening set	-5284 Mar 05 j 03:59	19° Z 29'42		max. Earth dist.	-5278 Apr 17 j 22:42	16° Z 28'27	20.00730 AU
				morning rise	-5278 May 05 j 14:53	17° Z 31'17	
conjunction	-5284 Mar 21 j 21:23	20° Z 27'40	-0°50'31	retrograde	-5278 Aug 06 j 19:51	20° Z 46'54	
minimum elong	-5284 Mar 21 j 21:23	20° Z 27'40	0°50'43	opposition	-5278 Oct 20 j 02:20	18° Z 45'03	-0°42'26
max. Earth dist.	-5284 Mar 21 j 15:17	20° Z 26'47	20.43810 AU	min. Earth dist.	-5278 Oct 20 j 20:27	18° Z 43'05	17.97103 AU
morning rise	-5284 Apr 07 j 16:13	21° Z 25'53		direct	-5277 Jan 03 j 03:04	16° Z 41'51	
retrograde	-5284 Jul 10 j 16:43	24° Z 38'00		evening set	-5277 Apr 06 j 21:29	19° Z 58'38	
opposition	-5284 Sep 24 j 02:26	22° Z 36'59	-0°55'25				
min. Earth dist.	-5284 Sep 24 j 08:54	22° Z 36'18	18.40448 AU	conjunction	-5277 Apr 23 j 17:42	20° Z 58'42	-0°36'46
direct	-5284 Dec 07 j 18:12	20° Z 36'28		minimum elong	-5277 Apr 23 j 17:42	20° Z 58'42	0°36'50
evening set	-5283 Mar 09 j 20:57	23° Z 45'21		max. Earth dist.	-5277 Apr 22 j 18:01	20° Z 55'09	19.93504 AU
				morning rise	-5277 May 10 j 13:14	21° Z 58'42	
conjunction	-5283 Mar 26 j 14:52	24° Z 43'36	-0°49'23	retrograde	-5277 Aug 11 j 13:37	25° Z 14'54	

Attention, astronomical year style is used: The year -5277 in astronomical counting style is the year 5278 BCE in historical counting style.

opposition	-5277 Oct 24 j 16:59	23° H 12'56	-0°39'15	max. Earth dist.	-5270 May 25 j 17:57	22° Y 59'11	19.50481 AU
min. Earth dist.	-5277 Oct 25 j 12:59	23° H 10'46	17.89972 AU				
direct	-5276 Jan 07 j 18:54	21° H 09'17		conjunction	-5270 May 27 j 02:01	23° Y 04'08	-0°11'36
evening set	-5276 Apr 10 j 20:25	24° H 27'27		minimum elong	-5270 May 27 j 02:01	23° Y 04'08	0°11'30
				behind sun begin	-5270 May 26 j 21:13	23° Y 03'25	
conjunction	-5276 Apr 27 j 16:50	25° H 27'48	-0°33'46	behind sun end	-5270 May 27 j 06:49	23° Y 04'52	
minimum elong	-5276 Apr 27 j 16:50	25° H 27'48	0°33'49	morning rise	-5270 Jun 12 j 17:26	24° Y 05'24	
max. Earth dist.	-5276 Apr 26 j 16:41	25° H 24'10	19.86467 AU	retrograde	-5270 Sep 12 j 16:39	27° Y 25'37	
morning rise	-5276 May 14 j 11:54	26° H 28'00		opposition	-5270 Nov 24 j 23:42	25° Y 23'28	-0°10'35
retrograde	-5276 Aug 15 j 09:09	29° H 44'49		min. Earth dist.	-5270 Nov 26 j 02:41	25° Y 20'31	17.48018 AU
opposition	-5276 Oct 28 j 08:25	27° H 42'44	-0°35'48	direct	-5269 Feb 08 j 19:48	23° Y 17'45	
min. Earth dist.	-5276 Oct 29 j 05:13	27° H 40'29	17.83054 AU	evening set	-5269 May 15 j 11:54	26° Y 44'53	
direct	-5275 Jan 11 j 13:20	25° H 38'44		max. Earth dist.	-5269 May 30 j 20:43	27° Y 41'35	19.45566 AU
evening set	-5275 Apr 15 j 20:22	28° H 58'14					
				conjunction	-5269 Jun 01 j 05:41	27° Y 46'41	-0°07'25
conjunction	-5275 May 02 j 16:35	29° H 58'51	-0°30'33	minimum elong	-5269 Jun 01 j 05:41	27° Y 46'41	0°07'17
minimum elong	-5275 May 02 j 16:35	29° H 58'51	0°30'35	behind sun begin	-5269 May 31 j 23:29	27° Y 45'45	
max. Earth dist.	-5275 May 01 j 13:51	29° H 54'48	19.79684 AU	behind sun end	-5269 Jun 01 j 11:52	27° Y 47'37	
	-5275 May 03 j 00:16	0° Y		morning rise	-5269 Jun 17 j 20:02	28° Y 48'03	
morning rise	-5275 May 19 j 11:23	0° Y 59'17			-5269 Jul 08 j 14:39	0° B	
retrograde	-5275 Aug 20 j 03:33	4° Y 16'41		retrograde	-5269 Sep 17 j 15:33	2° B 08'43	
opposition	-5275 Nov 02 j 00:40	2° Y 14'32	-0°32'06	opposition	-5269 Nov 29 j 21:36	0° B 06'33	-0°05'51
min. Earth dist.	-5275 Nov 02 j 23:17	2° Y 12'05	17.76430 AU	min. Earth dist.	-5269 Dec 01 j 02:17	0° B 03'25	17.43277 AU
direct	-5274 Jan 16 j 06:52	0° Y 10'10			-5269 Dec 02 j 09:31	30° R Y	
evening set	-5274 Apr 20 j 20:58	3° Y 31'03		direct	-5268 Feb 13 j 18:44	28° Y 00'36	
					-5268 Apr 23 j 16:23	0° B	
conjunction	-5274 May 07 j 17:12	4° Y 31'54	-0°27'07	evening set	-5268 May 19 j 16:29	1° B 28'44	
minimum elong	-5274 May 07 j 17:13	4° Y 31'54	0°27'06	max. Earth dist.	-5268 Jun 03 j 23:39	2° B 25'24	19.40999 AU
max. Earth dist.	-5274 May 06 j 14:06	4° Y 27'47	19.73211 AU				
morning rise	-5274 May 24 j 11:28	5° Y 32'32		conjunction	-5268 Jun 05 j 09:24	2° B 30'39	-0°03'09
retrograde	-5274 Aug 25 j 00:40	8° Y 50'33		minimum elong	-5268 Jun 05 j 09:24	2° B 30'39	0°03'01
opposition	-5274 Nov 06 j 17:50	6° Y 48'22	-0°28'11	behind sun begin	-5268 Jun 05 j 02:40	2° B 29'38	
min. Earth dist.	-5274 Nov 07 j 16:53	6° Y 45'51	17.70107 AU	behind sun end	-5268 Jun 05 j 16:08	2° B 31'40	
direct	-5273 Jan 21 j 03:41	4° Y 43'42		morning rise	-5268 Jun 21 j 22:50	3° B 32'05	
evening set	-5273 Apr 25 j 22:37	8° Y 05'55		retrograde	-5268 Sep 21 j 16:22	6° B 53'10	
				opposition	-5268 Dec 03 j 20:05	4° B 50'58	-0°01'03
conjunction	-5273 May 12 j 18:27	9° Y 07'00	-0°23'29	min. Earth dist.	-5268 Dec 05 j 00:15	4° B 47'53	17.38894 AU
minimum elong	-5273 May 12 j 18:28	9° Y 07'00	0°23'27	direct	-5267 Feb 17 j 20:56	2° B 44'46	
max. Earth dist.	-5273 May 11 j 13:13	9° Y 02'33	19.67048 AU	asc. node	-5267 Feb 22 j 08:26	2° B 45'19	
morning rise	-5273 May 29 j 12:10	10° Y 07'49		evening set	-5267 May 24 j 21:26	6° B 13'50	
retrograde	-5273 Aug 29 j 20:19	13° Y 26'25		max. Earth dist.	-5267 Jun 09 j 03:57	7° B 10'35	19.36808 AU
opposition	-5273 Nov 11 j 11:55	11° Y 24'15	-0°24'02				
min. Earth dist.	-5273 Nov 12 j 12:52	11° Y 21'31	17.64117 AU	conjunction	-5267 Jun 10 j 13:34	7° B 15'50	0°01'17
direct	-5272 Jan 25 j 23:10	9° Y 19'17		minimum elong	-5267 Jun 10 j 13:34	7° B 15'50	0°01'27
evening set	-5272 Apr 30 j 00:52	12° Y 42'50		behind sun begin	-5267 Jun 10 j 06:49	7° B 14'48	
				behind sun end	-5267 Jun 10 j 20:19	7° B 16'52	
conjunction	-5272 May 16 j 20:26	13° Y 44'08	-0°19'40	morning rise	-5267 Jun 27 j 01:47	8° B 17'19	
minimum elong	-5272 May 16 j 20:26	13° Y 44'08	0°19'37	retrograde	-5267 Sep 26 j 15:31	11° B 38'44	
max. Earth dist.	-5272 May 15 j 14:44	13° Y 39'35	19.61219 AU	opposition	-5267 Dec 08 j 19:19	9° B 36'30	0°03'46
morning rise	-5272 Jun 02 j 13:26	14° Y 45'07		min. Earth dist.	-5267 Dec 10 j 00:46	9° B 33'16	17.34921 AU
retrograde	-5272 Sep 02 j 19:09	18° Y 04'18		direct	-5266 Feb 22 j 21:17	7° B 30'04	
opposition	-5272 Nov 15 j 06:56	16° Y 02'08	-0°19'42	evening set	-5266 May 30 j 02:42	10° B 59'57	
min. Earth dist.	-5272 Nov 16 j 08:01	15° Y 59'24	17.58443 AU	max. Earth dist.	-5266 Jun 14 j 07:23	11° B 56'37	19.33068 AU
direct	-5271 Jan 29 j 22:00	13° Y 56'56					
evening set	-5271 May 05 j 03:50	17° Y 21'44		conjunction	-5266 Jun 15 j 17:45	12° B 02'00	0°05'37
				minimum elong	-5266 Jun 15 j 17:45	12° B 02'00	0°05'48
conjunction	-5271 May 21 j 22:51	18° Y 23'13	-0°15'42	behind sun begin	-5266 Jun 15 j 11:19	12° B 01'01	
minimum elong	-5271 May 21 j 22:52	18° Y 23'13	0°15'37	behind sun end	-5266 Jun 16 j 00:12	12° B 03'00	
behind sun begin	-5271 May 21 j 21:53	18° Y 23'05		morning rise	-5266 Jul 02 j 05:00	13° B 03'31	
behind sun end	-5271 May 21 j 23:50	18° Y 23'22			-5266 Aug 06 j 06:47	15° B	
max. Earth dist.	-5271 May 20 j 15:36	18° Y 18'25	19.55694 AU	retrograde	-5266 Oct 01 j 16:22	16° B 25'14	
morning rise	-5271 Jun 07 j 15:06	19° Y 24'21			-5266 Nov 29 j 10:55	15° R B	
retrograde	-5271 Sep 07 j 16:37	22° Y 44'05		opposition	-5266 Dec 13 j 19:11	14° B 22'56	0°08'34
opposition	-5271 Nov 20 j 02:58	20° Y 41'56	-0°15'12	min. Earth dist.	-5266 Dec 14 j 23:46	14° B 19'49	17.31421 AU
min. Earth dist.	-5271 Nov 21 j 06:00	20° Y 38'59	17.53082 AU	direct	-5265 Feb 28 j 01:06	12° B 16'18	
direct	-5270 Feb 03 j 19:20	18° Y 36'28			-5265 May 22 j 05:28	15° B	
evening set	-5270 May 10 j 07:33	22° Y 02'29		evening set	-5265 Jun 04 j 07:53	15° B 46'53	

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Attention, astronomical year style is used: The year -5265 in astronomical counting style is the year 5266 BCE in historical counting style.

conjunction	-5265 Jun 20 j 22:00	16° 8 48'58	0°09'53	conjunction	-5259 Jul 19 j 18:53	15° II 38'37	0°33'14
minimum elong	-5265 Jun 20 j 22:01	16° 8 48'58	0°10'05	minimum elong	-5259 Jul 19 j 18:52	15° II 38'37	0°33'32
behind sun begin	-5265 Jun 20 j 16:38	16° 8 48'08		max. Earth dist.	-5259 Jul 18 j 17:34	15° II 34'36	19.23794 AU
behind sun end	-5265 Jun 21 j 03:23	16° 8 49'48		morning rise	-5259 Aug 04 j 21:02	16° II 39'36	
max. Earth dist.	-5265 Jun 19 j 12:52	16° 8 43'45	19.29816 AU	retrograde	-5259 Nov 03 j 19:53	20° II 02'09	
morning rise	-5265 Jul 07 j 07:52	17° 8 50'28		opposition	-5258 Jan 16 j 09:39	18° II 00'08	0°38'55
retrograde	-5265 Oct 06 j 15:51	21° 8 12'26		min. Earth dist.	-5258 Jan 17 j 07:38	17° II 57'45	17.24425 AU
opposition	-5265 Dec 18 j 19:51	19° 8 10'06	0°13'19	direct	-5258 Apr 03 j 08:53	15° II 53'31	
min. Earth dist.	-5265 Dec 20 j 00:59	19° 8 06'54	17.28446 AU	evening set	-5258 Jul 08 j 16:04	19° II 25'45	
direct	-5264 Mar 04 j 03:28	17° 8 03'18		conjunction	-5258 Jul 24 j 21:10	20° II 27'11	0°36'29
evening set	-5264 Jun 08 j 13:11	20° 8 34'27		minimum elong	-5258 Jul 24 j 21:10	20° II 27'10	0°36'46
max. Earth dist.	-5264 Jun 23 j 16:32	21° 8 31'15	19.27139 AU	max. Earth dist.	-5258 Jul 23 j 20:56	20° II 23'19	19.25137 AU
conjunction	-5264 Jun 25 j 02:01	21° 8 36'31	0°14'06	morning rise	-5258 Aug 09 j 22:04	21° II 27'59	
minimum elong	-5264 Jun 25 j 02:01	21° 8 36'31	0°14'20	retrograde	-5258 Nov 08 j 20:26	24° II 50'29	
behind sun begin	-5264 Jun 24 j 23:00	21° 8 36'03		opposition	-5257 Jan 21 j 13:18	22° II 48'37	0°42'23
behind sun end	-5264 Jun 25 j 05:02	21° 8 36'59		min. Earth dist.	-5257 Jan 22 j 10:15	22° II 46'21	17.26071 AU
morning rise	-5264 Jul 11 j 10:48	22° 8 38'00		direct	-5257 Apr 08 j 12:39	20° II 42'12	
retrograde	-5264 Oct 10 j 16:31	26° 8 00'10		evening set	-5257 Jul 13 j 19:06	24° II 14'12	
opposition	-5264 Dec 22 j 20:55	23° 8 57'47	0°18'00	conjunction	-5257 Jul 29 j 22:53	25° II 15'25	0°39'28
min. Earth dist.	-5264 Dec 24 j 00:48	23° 8 54'44	17.26081 AU	minimum elong	-5257 Jul 29 j 22:53	25° II 15'25	0°39'45
direct	-5263 Mar 09 j 08:28	21° 8 50'51		max. Earth dist.	-5257 Jul 29 j 01:07	25° II 11'57	19.27067 AU
evening set	-5263 Jun 13 j 18:08	25° 8 22'28		morning rise	-5257 Aug 14 j 22:30	26° II 16'02	
max. Earth dist.	-5263 Jun 28 j 22:37	26° 8 19'33	19.25086 AU	retrograde	-5257 Nov 13 j 22:50	29° II 38'26	
conjunction	-5263 Jun 30 j 05:58	26° 8 24'30	0°18'14	opposition	-5256 Jan 26 j 17:09	27° II 36'42	0°45'34
minimum elong	-5263 Jun 30 j 05:58	26° 8 24'30	0°18'28	min. Earth dist.	-5256 Jan 27 j 11:49	27° II 34'41	17.28258 AU
morning rise	-5263 Jul 16 j 13:20	27° 8 25'55		direct	-5256 Apr 12 j 18:49	25° II 30'31	
	-5263 Sep 04 j 01:21	0° II		evening set	-5256 Jul 17 j 21:42	29° II 02'07	
retrograde	-5263 Oct 15 j 16:22	0° II 48'15		max. Earth dist.	-5256 Aug 02 j 04:01	29° II 59'55	19.29512 AU
	-5263 Nov 27 j 12:58	30° 8			-5256 Aug 02 j 04:32	0° 8	
opposition	-5263 Dec 27 j 22:40	28° 8 45'52	0°22'33	conjunction	-5256 Aug 03 j 00:07	0° 8 03'07	0°42'10
min. Earth dist.	-5263 Dec 29 j 02:14	28° 8 42'51	17.24355 AU	minimum elong	-5256 Aug 03 j 00:07	0° 8 03'07	0°42'28
direct	-5262 Mar 14 j 12:15	26° 8 38'52		morning rise	-5256 Aug 18 j 22:30	1° 8 03'32	
	-5262 Jun 16 j 00:35	0° II		retrograde	-5256 Nov 17 j 22:21	4° 8 25'45	
evening set	-5262 Jun 18 j 23:13	0° II 10'50		opposition	-5255 Jan 30 j 21:00	2° 8 24'08	0°48'24
max. Earth dist.	-5262 Jul 04 j 02:21	1° II 07'51	19.23705 AU	min. Earth dist.	-5255 Jan 31 j 14:47	2° 8 22'14	17.30959 AU
conjunction	-5262 Jul 05 j 09:37	1° II 12'48	0°22'14	direct	-5255 Apr 17 j 21:51	0° 8 18'12	
minimum elong	-5262 Jul 05 j 09:37	1° II 12'48	0°22'29	evening set	-5255 Jul 22 j 23:35	3° 8 49'16	
morning rise	-5262 Jul 21 j 15:48	2° II 14'08		max. Earth dist.	-5255 Aug 07 j 06:34	4° 8 47'09	19.32451 AU
retrograde	-5262 Oct 20 j 17:08	5° II 36'35		conjunction	-5255 Aug 08 j 00:41	4° 8 50'02	0°44'34
opposition	-5261 Jan 02 j 00:45	3° II 34'13	0°26'57	minimum elong	-5255 Aug 08 j 00:41	4° 8 50'02	0°44'51
min. Earth dist.	-5261 Jan 03 j 02:55	3° II 31'23	17.23329 AU	morning rise	-5255 Aug 23 j 21:57	5° 8 50'13	
direct	-5261 Mar 19 j 17:43	1° II 27'13		retrograde	-5255 Nov 23 j 00:27	9° 8 12'11	
evening set	-5261 Jun 24 j 03:55	4° II 59'27		opposition	-5254 Feb 05 j 00:48	7° 8 10'41	0°50'54
max. Earth dist.	-5261 Jul 09 j 08:31	5° II 56'46	19.23033 AU	min. Earth dist.	-5254 Feb 05 j 15:54	7° 8 09'04	17.34109 AU
conjunction	-5261 Jul 10 j 13:10	6° II 01'19	0°26'05	direct	-5254 Apr 23 j 04:24	5° 8 05'00	
minimum elong	-5261 Jul 10 j 13:10	6° II 01'19	0°26'21	evening set	-5254 Jul 28 j 00:42	8° 8 35'25	
morning rise	-5261 Jul 26 j 17:53	7° II 02'33		max. Earth dist.	-5254 Aug 12 j 08:41	9° 8 33'24	19.35818 AU
retrograde	-5261 Oct 25 j 17:41	10° II 25'04		conjunction	-5254 Aug 13 j 00:33	9° 8 35'55	0°46'39
opposition	-5260 Jan 07 j 03:29	8° II 22'48	0°31'09	minimum elong	-5254 Aug 13 j 00:33	9° 8 35'55	0°46'57
min. Earth dist.	-5260 Jan 08 j 04:28	8° II 20'05	17.23006 AU	morning rise	-5254 Aug 28 j 20:36	10° 8 35'52	
direct	-5260 Mar 23 j 22:35	6° II 15'52		retrograde	-5254 Nov 27 j 22:33	13° 8 57'32	
evening set	-5260 Jun 28 j 08:17	9° II 48'12		opposition	-5253 Feb 10 j 04:38	11° 8 56'07	0°53'02
conjunction	-5260 Jul 14 j 16:04	10° II 49'57	0°29'46	min. Earth dist.	-5253 Feb 10 j 18:47	11° 8 54'37	17.37695 AU
minimum elong	-5260 Jul 14 j 16:04	10° II 49'57	0°30'02	direct	-5253 Apr 28 j 07:40	9° 8 50'41	
max. Earth dist.	-5260 Jul 13 j 12:06	10° II 45'30	19.23070 AU	evening set	-5253 Aug 02 j 01:01	13° 8 20'19	
morning rise	-5260 Jul 30 j 19:36	11° II 51'04		conjunction	-5253 Aug 17 j 23:33	14° 8 20'32	0°48'24
retrograde	-5260 Oct 29 j 18:27	15° II 13'38		minimum elong	-5253 Aug 17 j 23:33	14° 8 20'32	0°48'41
opposition	-5259 Jan 11 j 06:28	13° II 11'28	0°35'09	max. Earth dist.	-5253 Aug 17 j 09:30	14° 8 18'18	19.39626 AU
min. Earth dist.	-5259 Jan 12 j 06:07	13° II 08'54	17.23393 AU	morning rise	-5253 Sep 02 j 18:41	15° 8 20'14	
direct	-5259 Mar 29 j 03:25	11° II 04'40		retrograde	-5253 Dec 02 j 23:07	18° 8 41'33	
evening set	-5259 Jul 03 j 12:18	14° II 37'01		opposition	-5252 Feb 15 j 08:04	16° 8 40'11	0°54'47

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Attention, astronomical year style is used: The year -5252 in astronomical counting style is the year 5253 BCE in historical counting style.

min. Earth dist.	-5252 Feb 15 j 19:05	16° $\mathring{\text{U}}$ 39'01	17.41704 AU		-5246 Aug 20 j 22:00	15° $\mathring{\text{Q}}$	
direct	-5252 May 02 j 14:20	14° $\mathring{\text{U}}$ 35'02		evening set	-5246 Sep 02 j 22:41	15° $\mathring{\text{Q}}$ 46'10	
evening set	-5252 Aug 06 j 00:11	18° $\mathring{\text{U}}$ 03'44					
				conjunction	-5246 Sep 18 j 14:34	16° $\mathring{\text{Q}}$ 44'13	0°51'11
conjunction	-5252 Aug 21 j 21:40	19° $\mathring{\text{U}}$ 03'40	0°49'48	minimum elong	-5246 Sep 18 j 14:34	16° $\mathring{\text{Q}}$ 44'13	0°51'24
minimum elong	-5252 Aug 21 j 21:40	19° $\mathring{\text{U}}$ 03'40	0°50'06	max. Earth dist.	-5246 Sep 18 j 19:48	16° $\mathring{\text{Q}}$ 45'02	19.78151 AU
max. Earth dist.	-5252 Aug 21 j 10:36	19° $\mathring{\text{U}}$ 01'55	19.43844 AU	morning rise	-5246 Oct 04 j 04:37	17° $\mathring{\text{Q}}$ 42'02	
morning rise	-5252 Sep 06 j 15:44	20° $\mathring{\text{U}}$ 03'06		retrograde	-5245 Jan 03 j 21:55	20° $\mathring{\text{Q}}$ 59'48	
retrograde	-5252 Dec 06 j 19:38	23° $\mathring{\text{U}}$ 24'01		opposition	-5245 Mar 20 j 19:13	18° $\mathring{\text{Q}}$ 59'01	0°56'29
opposition	-5251 Feb 19 j 11:16	21° $\mathring{\text{U}}$ 22'42	0°56'10	min. Earth dist.	-5245 Mar 20 j 13:22	18° $\mathring{\text{Q}}$ 59'38	17.81622 AU
min. Earth dist.	-5251 Feb 19 j 21:10	21° $\mathring{\text{U}}$ 21'39	17.46131 AU	direct	-5245 Jun 06 j 00:17	16° $\mathring{\text{Q}}$ 56'22	
direct	-5251 May 07 j 17:11	19° $\mathring{\text{U}}$ 17'48		evening set	-5245 Sep 07 j 15:07	20° $\mathring{\text{Q}}$ 16'42	
evening set	-5251 Aug 10 j 22:34	22° $\mathring{\text{U}}$ 45'30					
				conjunction	-5245 Sep 23 j 06:12	21° $\mathring{\text{Q}}$ 14'26	0°50'17
conjunction	-5251 Aug 26 j 18:48	23° $\mathring{\text{U}}$ 45'07	0°50'52	minimum elong	-5245 Sep 23 j 06:12	21° $\mathring{\text{Q}}$ 14'26	0°50'29
minimum elong	-5251 Aug 26 j 18:48	23° $\mathring{\text{U}}$ 45'07	0°51'09	max. Earth dist.	-5245 Sep 23 j 12:54	21° $\mathring{\text{Q}}$ 15'28	19.85157 AU
max. Earth dist.	-5251 Aug 26 j 09:26	23° $\mathring{\text{U}}$ 43'38	19.48490 AU	morning rise	-5245 Oct 08 j 20:05	22° $\mathring{\text{Q}}$ 11'59	
morning rise	-5251 Sep 11 j 12:08	24° $\mathring{\text{U}}$ 44'18		retrograde	-5244 Jan 08 j 17:32	25° $\mathring{\text{Q}}$ 29'11	
retrograde	-5251 Dec 11 j 18:32	28° $\mathring{\text{U}}$ 04'44		opposition	-5244 Mar 24 j 18:22	23° $\mathring{\text{Q}}$ 28'34	0°55'18
opposition	-5250 Feb 24 j 13:46	26° $\mathring{\text{U}}$ 03'27	0°57'09	min. Earth dist.	-5244 Mar 24 j 09:51	23° $\mathring{\text{Q}}$ 29'27	17.88745 AU
min. Earth dist.	-5250 Feb 24 j 20:20	26° $\mathring{\text{U}}$ 02'46	17.50984 AU	direct	-5244 Jun 09 j 21:38	21° $\mathring{\text{Q}}$ 26'22	
direct	-5250 May 12 j 22:11	23° $\mathring{\text{U}}$ 58'50		evening set	-5244 Sep 11 j 06:26	24° $\mathring{\text{Q}}$ 45'22	
evening set	-5250 Aug 15 j 19:48	27° $\mathring{\text{U}}$ 25'26					
				conjunction	-5244 Sep 26 j 21:08	25° $\mathring{\text{Q}}$ 42'48	0°49'05
conjunction	-5250 Aug 31 j 15:07	28° $\mathring{\text{U}}$ 24'45	0°51'36	minimum elong	-5244 Sep 26 j 21:08	25° $\mathring{\text{Q}}$ 42'48	0°49'17
minimum elong	-5250 Aug 31 j 15:07	28° $\mathring{\text{U}}$ 24'45	0°51'52	max. Earth dist.	-5244 Sep 27 j 07:15	25° $\mathring{\text{Q}}$ 44'22	19.92362 AU
max. Earth dist.	-5250 Aug 31 j 09:19	28° $\mathring{\text{U}}$ 23'50	19.53561 AU	morning rise	-5244 Oct 12 j 10:38	26° $\mathring{\text{Q}}$ 40'05	
morning rise	-5250 Sep 16 j 07:28	29° $\mathring{\text{U}}$ 23'39		retrograde	-5243 Jan 12 j 11:08	29° $\mathring{\text{Q}}$ 56'42	
	-5250 Sep 26 j 08:40	0° $\mathring{\text{Q}}$		opposition	-5243 Mar 29 j 16:52	27° $\mathring{\text{Q}}$ 56'15	0°53'46
retrograde	-5250 Dec 16 j 14:03	2° $\mathring{\text{Q}}$ 43'35		min. Earth dist.	-5243 Mar 29 j 06:17	27° $\mathring{\text{Q}}$ 57'21	17.96006 AU
opposition	-5249 Mar 01 j 16:09	0° $\mathring{\text{Q}}$ 42'21	0°57'45	direct	-5243 Jun 14 j 19:14	25° $\mathring{\text{Q}}$ 54'34	
min. Earth dist.	-5249 Mar 01 j 21:05	0° $\mathring{\text{Q}}$ 41'50	17.56277 AU	evening set	-5243 Sep 15 j 21:04	29° $\mathring{\text{Q}}$ 12'12	
	-5249 Mar 18 j 19:01	30° $\mathring{\text{R}}$ $\mathring{\text{U}}$			-5243 Sep 28 j 22:31	0° $\mathring{\text{R}}$ $\mathring{\text{U}}$	
direct	-5249 May 18 j 00:00	28° $\mathring{\text{U}}$ 38'03					
	-5249 Jul 14 j 00:52	0° $\mathring{\text{Q}}$		conjunction	-5243 Oct 01 j 11:06	0° $\mathring{\text{R}}$ 09'20	0°47'35
evening set	-5249 Aug 20 j 16:01	2° $\mathring{\text{Q}}$ 03'28		minimum elong	-5243 Oct 01 j 11:06	0° $\mathring{\text{R}}$ 09'20	0°47'44
				max. Earth dist.	-5243 Oct 01 j 22:23	0° $\mathring{\text{R}}$ 11'04	19.99668 AU
conjunction	-5249 Sep 05 j 10:11	3° $\mathring{\text{Q}}$ 02'28	0°51'59	morning rise	-5243 Oct 17 j 00:33	1° $\mathring{\text{R}}$ 06'21	
minimum elong	-5249 Sep 05 j 10:11	3° $\mathring{\text{Q}}$ 02'28	0°52'15	retrograde	-5242 Jan 17 j 05:15	4° $\mathring{\text{R}}$ 22'24	
max. Earth dist.	-5249 Sep 05 j 06:13	3° $\mathring{\text{Q}}$ 01'51	19.59085 AU	opposition	-5242 Apr 03 j 14:39	2° $\mathring{\text{R}}$ 22'06	0°51'56
morning rise	-5249 Sep 21 j 02:00	4° $\mathring{\text{Q}}$ 01'06		min. Earth dist.	-5242 Apr 03 j 02:01	2° $\mathring{\text{R}}$ 23'23	18.03346 AU
retrograde	-5249 Dec 21 j 11:40	7° $\mathring{\text{Q}}$ 20'31		direct	-5242 Jun 19 j 15:01	0° $\mathring{\text{R}}$ 20'51	
opposition	-5248 Mar 05 j 17:48	5° $\mathring{\text{Q}}$ 19'21	0°57'59	evening set	-5242 Sep 20 j 10:43	3° $\mathring{\text{R}}$ 37'08	
min. Earth dist.	-5248 Mar 05 j 19:12	5° $\mathring{\text{Q}}$ 19'12	17.62024 AU				
direct	-5248 May 22 j 01:54	3° $\mathring{\text{Q}}$ 15'23		conjunction	-5242 Oct 06 j 00:31	4° $\mathring{\text{R}}$ 33'59	0°45'49
evening set	-5248 Aug 24 j 11:12	6° $\mathring{\text{Q}}$ 39'35		minimum elong	-5242 Oct 06 j 00:32	4° $\mathring{\text{R}}$ 33'59	0°45'58
				max. Earth dist.	-5242 Oct 06 j 14:47	4° $\mathring{\text{R}}$ 36'10	20.07012 AU
conjunction	-5248 Sep 09 j 04:38	7° $\mathring{\text{Q}}$ 38'16	0°52'03	morning rise	-5242 Oct 21 j 13:45	5° $\mathring{\text{R}}$ 30'45	
minimum elong	-5248 Sep 09 j 04:38	7° $\mathring{\text{Q}}$ 38'16	0°52'17	retrograde	-5241 Jan 21 j 21:43	8° $\mathring{\text{R}}$ 46'12	
max. Earth dist.	-5248 Sep 09 j 04:29	7° $\mathring{\text{Q}}$ 38'15	19.65047 AU	opposition	-5241 Apr 08 j 11:45	6° $\mathring{\text{R}}$ 46'02	0°49'48
morning rise	-5248 Sep 24 j 19:39	8° $\mathring{\text{Q}}$ 36'37		min. Earth dist.	-5241 Apr 07 j 20:58	6° $\mathring{\text{R}}$ 47'33	18.10673 AU
retrograde	-5248 Dec 25 j 06:44	11° $\mathring{\text{Q}}$ 55'29		direct	-5241 Jun 24 j 11:15	4° $\mathring{\text{R}}$ 45'16	
opposition	-5247 Mar 10 j 18:48	9° $\mathring{\text{Q}}$ 54'26	0°57'51	evening set	-5241 Sep 24 j 23:33	8° $\mathring{\text{R}}$ 00'10	
min. Earth dist.	-5247 Mar 10 j 18:18	9° $\mathring{\text{Q}}$ 54'29	17.68192 AU				
direct	-5247 May 27 j 02:02	7° $\mathring{\text{Q}}$ 50'52		conjunction	-5241 Oct 10 j 12:56	8° $\mathring{\text{R}}$ 56'43	0°43'48
evening set	-5247 Aug 29 j 05:33	11° $\mathring{\text{Q}}$ 13'49		minimum elong	-5241 Oct 10 j 12:56	8° $\mathring{\text{R}}$ 56'43	0°43'55
				max. Earth dist.	-5241 Oct 11 j 04:09	8° $\mathring{\text{R}}$ 59'02	20.14310 AU
conjunction	-5247 Sep 13 j 22:01	12° $\mathring{\text{Q}}$ 12'11	0°51'46	morning rise	-5241 Oct 26 j 02:20	9° $\mathring{\text{R}}$ 53'16	
minimum elong	-5247 Sep 13 j 22:01	12° $\mathring{\text{Q}}$ 12'11	0°52'01	retrograde	-5240 Jan 26 j 14:18	13° $\mathring{\text{R}}$ 08'07	
max. Earth dist.	-5247 Sep 13 j 23:27	12° $\mathring{\text{Q}}$ 12'24	19.71423 AU	opposition	-5240 Apr 12 j 08:03	11° $\mathring{\text{R}}$ 08'02	0°47'23
morning rise	-5247 Sep 29 j 12:41	13° $\mathring{\text{Q}}$ 10'16		min. Earth dist.	-5240 Apr 11 j 15:49	11° $\mathring{\text{R}}$ 09'42	18.17936 AU
	-5247 Nov 01 j 14:14	15° $\mathring{\text{Q}}$		direct	-5240 Jun 28 j 05:18	9° $\mathring{\text{R}}$ 07'41	
retrograde	-5247 Dec 30 j 03:23	16° $\mathring{\text{Q}}$ 28'35		evening set	-5240 Sep 28 j 11:30	12° $\mathring{\text{R}}$ 21'13	
	-5246 Mar 02 j 16:40	15° $\mathring{\text{R}}$ $\mathring{\text{Q}}$					
opposition	-5246 Mar 15 j 19:15	14° $\mathring{\text{Q}}$ 27'39	0°57'21	conjunction	-5240 Oct 14 j 00:50	13° $\mathring{\text{R}}$ 17'30	0°41'32
min. Earth dist.	-5246 Mar 15 j 15:30	14° $\mathring{\text{Q}}$ 28'02	17.74754 AU	minimum elong	-5240 Oct 14 j 00:50	13° $\mathring{\text{R}}$ 17'30	0°41'38
direct	-5246 Jun 01 j 01:14	12° $\mathring{\text{Q}}$ 24'30		max. Earth dist.	-5240 Oct 14 j 18:35	13° $\mathring{\text{R}}$ 20'12	20.21512 AU

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Attention, astronomical year style is used: The year -5240 in astronomical counting style is the year 5241 BCE in historical counting style.

morning rise	-5240 Oct 29 j 14:12	14° \overline{m} 13'49		direct	-5233 Jul 29 j 14:36	8° \overline{a} 48'53	
retrograde	-5239 Jan 30 j 05:18	17° \overline{m} 28'02		evening set	-5233 Oct 28 j 00:34	11° \overline{a} 53'34	
min. Earth dist.	-5239 Apr 16 j 08:56	15° \overline{m} 29'56	18.25062 AU				
opposition	-5239 Apr 17 j 03:17	15° \overline{m} 28'04	0°44'43	conjunction	-5233 Nov 12 j 14:37	12° \overline{a} 48'18	0°20'41
direct	-5239 Jul 03 j 00:01	13° \overline{m} 28'06		minimum elong	-5233 Nov 12 j 14:38	12° \overline{a} 48'18	0°20'38
evening set	-5239 Oct 02 j 22:42	16° \overline{m} 40'16		max. Earth dist.	-5233 Nov 13 j 18:59	12° \overline{a} 52'29	20.68145 AU
				morning rise	-5233 Nov 28 j 06:58	13° \overline{a} 43'22	
conjunction	-5239 Oct 18 j 11:47	17° \overline{m} 36'17	0°39'03	retrograde	-5232 Feb 29 j 18:20	16° \overline{a} 53'33	
minimum elong	-5239 Oct 18 j 11:47	17° \overline{m} 36'17	0°39'08	opposition	-5232 May 17 j 18:31	14° \overline{a} 53'56	0°20'55
max. Earth dist.	-5239 Oct 19 j 06:25	17° \overline{m} 39'06	20.28568 AU	min. Earth dist.	-5232 May 16 j 14:41	14° \overline{a} 56'44	18.71232 AU
morning rise	-5239 Nov 03 j 01:28	18° \overline{m} 32'24		direct	-5232 Aug 02 j 00:23	12° \overline{a} 56'20	
retrograde	-5238 Feb 03 j 19:38	21° \overline{m} 46'00		evening set	-5232 Oct 31 j 06:45	15° \overline{a} 59'59	
opposition	-5238 Apr 21 j 21:55	19° \overline{m} 46'04	0°41'50				
min. Earth dist.	-5238 Apr 21 j 02:31	19° \overline{m} 48'02	18.32054 AU	conjunction	-5232 Nov 15 j 21:18	16° \overline{a} 54'34	0°17'13
direct	-5238 Jul 07 j 16:26	17° \overline{m} 46'28		minimum elong	-5232 Nov 15 j 21:19	16° \overline{a} 54'34	0°17'09
evening set	-5238 Oct 07 j 08:44	20° \overline{m} 57'16		max. Earth dist.	-5232 Nov 17 j 03:08	16° \overline{a} 58'57	20.74201 AU
				morning rise	-5232 Dec 01 j 14:11	17° \overline{a} 49'30	
conjunction	-5238 Oct 22 j 21:56	21° \overline{m} 53'03	0°36'22	retrograde	-5231 Mar 05 j 05:39	20° \overline{a} 59'13	
minimum elong	-5238 Oct 22 j 21:56	21° \overline{m} 53'03	0°36'25	min. Earth dist.	-5231 May 21 j 01:16	19° \overline{a} 02'41	18.77154 AU
max. Earth dist.	-5238 Oct 23 j 19:02	21° \overline{m} 56'13	20.35486 AU	opposition	-5231 May 22 j 06:58	18° \overline{a} 59'43	0°17'01
morning rise	-5238 Nov 07 j 11:47	22° \overline{m} 48'56		direct	-5231 Aug 06 j 11:01	17° \overline{a} 02'27	
retrograde	-5237 Feb 08 j 09:35	26° \overline{m} 01'55		evening set	-5231 Nov 04 j 12:37	20° \overline{a} 05'07	
opposition	-5237 Apr 26 j 15:33	24° \overline{m} 02'01	0°38'44				
min. Earth dist.	-5237 Apr 25 j 17:52	24° \overline{m} 04'13	18.38895 AU	conjunction	-5231 Nov 20 j 03:32	20° \overline{a} 59'34	0°13'40
direct	-5237 Jul 12 j 09:24	22° \overline{m} 02'45		minimum elong	-5231 Nov 20 j 03:31	20° \overline{a} 59'34	0°13'35
evening set	-5237 Oct 11 j 18:13	25° \overline{m} 12'14		behind sun begin	-5231 Nov 19 j 23:48	20° \overline{a} 59'02	
				behind sun end	-5231 Nov 20 j 07:14	21° \overline{a} 00'05	
conjunction	-5237 Oct 27 j 07:19	26° \overline{m} 07'46	0°33'30	max. Earth dist.	-5231 Nov 21 j 09:53	21° \overline{a} 04'00	20.79977 AU
minimum elong	-5237 Oct 27 j 07:19	26° \overline{m} 07'46	0°33'33	morning rise	-5231 Dec 05 j 21:11	21° \overline{a} 54'23	
max. Earth dist.	-5237 Oct 28 j 05:30	26° \overline{m} 11'05	20.42259 AU	retrograde	-5230 Mar 09 j 14:42	25° \overline{a} 03'41	
morning rise	-5237 Nov 11 j 21:39	27° \overline{m} 03'28		opposition	-5230 May 26 j 19:03	23° \overline{a} 04'16	0°13'03
	-5236 Jan 18 j 20:43	0° \overline{a}		min. Earth dist.	-5230 May 25 j 13:42	23° \overline{a} 07'12	18.82782 AU
retrograde	-5236 Feb 12 j 21:32	0° \overline{a} 15'50		direct	-5230 Aug 10 j 19:29	21° \overline{a} 07'19	
	-5236 Mar 09 j 09:58	30° \overline{R} \overline{m}		evening set	-5230 Nov 08 j 17:57	24° \overline{a} 09'04	
min. Earth dist.	-5236 Apr 29 j 09:46	28° \overline{m} 18'14	18.45620 AU				
opposition	-5236 Apr 30 j 08:14	28° \overline{m} 15'58	0°35'27	conjunction	-5230 Nov 24 j 09:29	25° \overline{a} 03'23	0°10'05
direct	-5236 Jul 15 j 23:26	26° \overline{m} 17'01		minimum elong	-5230 Nov 24 j 09:29	25° \overline{a} 03'23	0°09'59
evening set	-5236 Oct 15 j 02:45	29° \overline{m} 25'13		behind sun begin	-5230 Nov 24 j 04:09	25° \overline{a} 02'38	
	-5236 Oct 24 j 22:39	0° \overline{a}		behind sun end	-5230 Nov 24 j 14:49	25° \overline{a} 04'09	
conjunction	-5236 Oct 30 j 16:07	0° \overline{a} 20'32	0°30'29	max. Earth dist.	-5230 Nov 25 j 16:52	25° \overline{a} 07'58	20.85432 AU
minimum elong	-5236 Oct 30 j 16:07	0° \overline{a} 20'32	0°30'30	morning rise	-5230 Dec 10 j 03:49	25° \overline{a} 58'07	
max. Earth dist.	-5236 Oct 31 j 16:33	0° \overline{a} 24'11	20.48921 AU	retrograde	-5229 Mar 14 j 01:36	29° \overline{a} 07'00	
morning rise	-5236 Nov 15 j 06:44	1° \overline{a} 16'02		min. Earth dist.	-5229 May 29 j 23:32	27° \overline{a} 10'46	18.88040 AU
retrograde	-5235 Feb 16 j 10:26	4° \overline{a} 27'49		opposition	-5229 May 31 j 06:19	27° \overline{a} 07'41	0°09'03
opposition	-5235 May 04 j 23:57	2° \overline{a} 27'58	0°32'01	direct	-5229 Aug 15 j 04:54	25° \overline{a} 11'02	
min. Earth dist.	-5235 May 03 j 23:07	2° \overline{a} 30'29	18.52221 AU	evening set	-5229 Nov 12 j 23:17	28° \overline{a} 11'56	
direct	-5235 Jul 20 j 14:21	0° \overline{a} 29'22					
evening set	-5235 Oct 19 j 10:39	3° \overline{a} 36'20		conjunction	-5229 Nov 28 j 15:17	29° \overline{a} 06'08	0°06'28
				minimum elong	-5229 Nov 28 j 15:17	29° \overline{a} 06'09	0°06'19
conjunction	-5235 Nov 04 j 00:04	4° \overline{a} 31'26	0°27'20	behind sun begin	-5229 Nov 28 j 09:05	29° \overline{a} 05'16	
minimum elong	-5235 Nov 04 j 00:04	4° \overline{a} 31'26	0°27'20	behind sun end	-5229 Nov 28 j 21:29	29° \overline{a} 07'01	
max. Earth dist.	-5235 Nov 05 j 01:35	4° \overline{a} 35'13	20.55458 AU	max. Earth dist.	-5229 Nov 29 j 22:43	29° \overline{a} 10'42	20.90471 AU
morning rise	-5235 Nov 19 j 15:14	5° \overline{a} 26'47		morning rise	-5229 Dec 14 j 10:29	0° \overline{m} 00'48	
retrograde	-5234 Feb 20 j 20:43	8° \overline{a} 38'00			-5229 Dec 14 j 04:51	0° \overline{m}	
opposition	-5234 May 09 j 15:00	6° \overline{a} 38'13	0°28'26	retrograde	-5228 Mar 17 j 10:01	3° \overline{m} 09'18	
min. Earth dist.	-5234 May 08 j 13:34	6° \overline{a} 40'47	18.58712 AU	min. Earth dist.	-5228 Jun 02 j 11:07	1° \overline{m} 13'02	18.92864 AU
direct	-5234 Jul 25 j 01:56	4° \overline{a} 39'56		opposition	-5228 Jun 03 j 16:56	1° \overline{m} 10'03	0°05'00
evening set	-5234 Oct 23 j 17:52	7° \overline{a} 45'44			-5228 Jul 05 j 00:34	30° \overline{R} \overline{a}	
				direct	-5228 Aug 18 j 12:07	29° \overline{a} 13'38	
conjunction	-5234 Nov 08 j 07:40	8° \overline{a} 40'39	0°24'03		-5228 Sep 30 j 10:05	0° \overline{m}	
minimum elong	-5234 Nov 08 j 07:40	8° \overline{a} 40'39	0°24'02	evening set	-5228 Nov 16 j 04:14	2° \overline{m} 13'46	
max. Earth dist.	-5234 Nov 09 j 11:10	8° \overline{a} 44'43	20.61885 AU				
morning rise	-5234 Nov 23 j 23:17	9° \overline{a} 35'50		conjunction	-5228 Dec 01 j 20:57	3° \overline{m} 07'53	0°02'48
retrograde	-5233 Feb 25 j 08:50	12° \overline{a} 46'31		minimum elong	-5228 Dec 01 j 20:58	3° \overline{m} 07'53	0°02'40
min. Earth dist.	-5233 May 13 j 01:21	10° \overline{a} 49'36	18.65062 AU	behind sun begin	-5228 Dec 01 j 14:25	3° \overline{m} 06'58	
opposition	-5233 May 14 j 05:04	10° \overline{a} 46'49	0°24'44	behind sun end	-5228 Dec 02 j 03:30	3° \overline{m} 08'48	
				max. Earth dist.	-5228 Dec 03 j 04:46	3° \overline{m} 12'29	20.95053 AU

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Attention, astronomical year style is used: The year -5228 in astronomical counting style is the year 5229 BCE in historical counting style.

morning rise	-5228 Dec 17 j 16:53	4°M02'28		min. Earth dist.	-5222 Jun 27 j 16:27	25°M07'24	19.10936 AU
retrograde	-5227 Mar 21 j 20:25	7°M10'37		direct	-5222 Sep 12 j 02:47	23°M08'45	
min. Earth dist.	-5227 Jun 06 j 20:06	5°M14'29	18.97187 AU	evening set	-5222 Dec 10 j 05:54	26°M05'34	
opposition	-5227 Jun 08 j 02:54	5°M11'25	0°00'57				
direct	-5227 Aug 22 j 20:47	3°M15'12		conjunction	-5222 Dec 26 j 03:23	26°M59'31	-0°18'35
desc. node	-5227 Sep 02 j 00:28	3°M17'52		minimum elong	-5222 Dec 26 j 03:23	26°M59'31	0°18'50
evening set	-5227 Nov 20 j 08:57	6°M14'36		max. Earth dist.	-5222 Dec 27 j 09:46	27°M03'51	21.11631 AU
				morning rise	-5221 Jan 11 j 04:54	27°M54'03	
conjunction	-5227 Dec 06 j 02:16	7°M08'39	-0°00'58		-5221 Feb 23 j 17:07	0°J	
minimum elong	-5227 Dec 06 j 02:15	7°M08'39	0°01'07	retrograde	-5221 Apr 15 j 19:52	1°J00'38	
behind sun begin	-5227 Dec 05 j 19:41	7°M07'44			-5221 Jun 07 j 13:20	30°RM	
behind sun end	-5227 Dec 06 j 08:48	7°M09'34		min. Earth dist.	-5221 Jul 01 j 22:38	29°M04'03	19.12310 AU
max. Earth dist.	-5227 Dec 07 j 09:45	7°M13'11	20.99102 AU	opposition	-5221 Jul 03 j 03:01	29°M01'13	-0°22'25
morning rise	-5227 Dec 21 j 23:06	8°M03'11		direct	-5221 Sep 16 j 08:42	27°M05'22	
retrograde	-5226 Mar 26 j 03:52	11°M11'00			-5221 Dec 13 j 20:13	0°J	
min. Earth dist.	-5226 Jun 11 j 06:56	9°M14'45	19.00972 AU	evening set	-5221 Dec 14 j 10:06	0°J01'55	
opposition	-5226 Jun 12 j 12:30	9°M11'48	-0°03'05				
direct	-5226 Aug 27 j 02:56	7°M15'45		conjunction	-5221 Dec 30 j 08:24	0°J55'55	-0°21'53
evening set	-5226 Nov 24 j 13:25	10°M14'28		minimum elong	-5221 Dec 30 j 08:23	0°J55'55	0°22'07
				max. Earth dist.	-5221 Dec 31 j 14:04	1°J00'08	21.12793 AU
conjunction	-5226 Dec 10 j 07:35	11°M08'28	-0°04'38	morning rise	-5220 Jan 15 j 10:57	1°J50'30	
minimum elong	-5226 Dec 10 j 07:34	11°M08'28	0°04'48	retrograde	-5220 Apr 19 j 02:43	4°J56'58	
behind sun begin	-5226 Dec 10 j 01:09	11°M07'34		min. Earth dist.	-5220 Jul 05 j 06:36	3°J00'12	19.13277 AU
behind sun end	-5226 Dec 10 j 13:59	11°M09'22		opposition	-5220 Jul 06 j 09:19	2°J57'31	-0°26'00
max. Earth dist.	-5226 Dec 11 j 15:08	11°M13'00	21.02620 AU	direct	-5220 Sep 19 j 12:09	1°J01'41	
morning rise	-5226 Dec 26 j 05:15	12°M02'58		evening set	-5220 Dec 17 j 14:14	3°J58'05	
	-5225 Mar 09 j 17:35	15°M					
retrograde	-5225 Mar 30 j 13:35	15°M10'28		conjunction	-5219 Jan 02 j 13:34	4°J52'08	-0°25'05
	-5225 Apr 20 j 14:30	15°RM		minimum elong	-5219 Jan 02 j 13:34	4°J52'07	0°25'20
opposition	-5225 Jun 16 j 21:12	13°M11'15	-0°07'06	max. Earth dist.	-5219 Jan 03 j 18:47	4°J56'17	21.13568 AU
min. Earth dist.	-5225 Jun 15 j 14:59	13°M14'16	19.04213 AU	morning rise	-5219 Jan 18 j 17:03	5°J46'46	
direct	-5225 Aug 31 j 10:52	11°M15'17		retrograde	-5219 Apr 23 j 11:11	8°J53'12	
evening set	-5225 Nov 28 j 17:49	14°M13'25		opposition	-5219 Jul 10 j 15:21	6°J53'44	-0°29'28
	-5225 Dec 12 j 09:19	15°M		min. Earth dist.	-5219 Jul 09 j 12:19	6°J56'27	19.13845 AU
				direct	-5219 Sep 23 j 16:48	4°J57'55	
conjunction	-5225 Dec 14 j 12:40	15°M07'22	-0°08'13	evening set	-5219 Dec 21 j 18:32	7°J54'13	
minimum elong	-5225 Dec 14 j 12:40	15°M07'22	0°08'24				
behind sun begin	-5225 Dec 14 j 06:52	15°M06'33		conjunction	-5218 Jan 06 j 18:44	8°J48'20	-0°28'09
behind sun end	-5225 Dec 14 j 18:28	15°M08'11		minimum elong	-5218 Jan 06 j 18:43	8°J48'20	0°28'24
max. Earth dist.	-5225 Dec 15 j 19:44	15°M11'49	21.05588 AU	max. Earth dist.	-5218 Jan 07 j 23:06	8°J52'21	21.13925 AU
morning rise	-5225 Dec 30 j 11:22	16°M01'52		morning rise	-5218 Jan 22 j 23:17	9°J43'04	
retrograde	-5224 Apr 02 j 20:14	19°M09'03		retrograde	-5218 Apr 27 j 17:59	12°J49'29	
min. Earth dist.	-5224 Jun 19 j 00:46	17°M12'40	19.06925 AU	opposition	-5218 Jul 14 j 21:19	10°J50'01	-0°32'47
opposition	-5224 Jun 20 j 05:31	17°M09'47	-0°11'03	min. Earth dist.	-5218 Jul 13 j 20:07	10°J52'34	19.13994 AU
direct	-5224 Sep 03 j 15:46	15°M13'53		direct	-5218 Sep 27 j 20:26	8°J54'12	
evening set	-5224 Dec 01 j 21:53	18°M11'29		evening set	-5218 Dec 25 j 23:11	11°J50'31	
conjunction	-5224 Dec 17 j 17:37	19°M05'25	-0°11'44	conjunction	-5217 Jan 11 j 00:27	12°J44'44	-0°31'06
minimum elong	-5224 Dec 17 j 17:37	19°M05'25	0°11'58	minimum elong	-5217 Jan 11 j 00:27	12°J44'44	0°31'22
behind sun begin	-5224 Dec 17 j 13:03	19°M04'47		max. Earth dist.	-5217 Jan 12 j 04:01	12°J48'38	21.13867 AU
behind sun end	-5224 Dec 17 j 22:11	19°M06'03		morning rise	-5217 Jan 27 j 05:59	13°J39'33	
max. Earth dist.	-5224 Dec 19 j 00:38	19°M09'52	21.08055 AU	retrograde	-5217 May 02 j 03:13	16°J46'01	
morning rise	-5223 Jan 02 j 17:11	19°M59'54		min. Earth dist.	-5217 Jul 18 j 01:47	14°J49'05	19.13704 AU
retrograde	-5223 Apr 07 j 04:55	23°M06'51		opposition	-5217 Jul 19 j 02:49	14°J46'33	-0°35'58
min. Earth dist.	-5223 Jun 23 j 07:43	21°M10'28	19.09151 AU	direct	-5217 Oct 02 j 00:38	12°J50'43	
opposition	-5223 Jun 24 j 13:03	21°M07'32	-0°14'55	evening set	-5217 Dec 30 j 04:19	15°J47'07	
direct	-5223 Sep 07 j 22:52	19°M11'39					
evening set	-5223 Dec 06 j 01:59	22°M08'49		conjunction	-5216 Jan 15 j 06:31	16°J41'27	-0°33'54
				minimum elong	-5216 Jan 15 j 06:30	16°J41'27	0°34'11
conjunction	-5223 Dec 21 j 22:28	23°M02'45	-0°15'12	max. Earth dist.	-5216 Jan 16 j 08:45	16°J45'10	21.13335 AU
minimum elong	-5223 Dec 21 j 22:28	23°M02'45	0°15'25	morning rise	-5216 Jan 31 j 13:04	17°J36'23	
behind sun begin	-5223 Dec 21 j 20:31	23°M02'29		retrograde	-5216 May 05 j 09:52	20°J42'56	
behind sun end	-5223 Dec 22 j 00:25	23°M03'01		min. Earth dist.	-5216 Jul 21 j 09:39	18°J45'47	19.12927 AU
max. Earth dist.	-5223 Dec 23 j 05:01	23°M07'07	21.10049 AU	opposition	-5216 Jul 22 j 08:25	18°J43'29	-0°38'59
morning rise	-5222 Jan 06 j 23:03	23°M57'15		direct	-5216 Oct 05 j 04:08	16°J47'35	
retrograde	-5222 Apr 11 j 11:32	27°M04'00		evening set	-5215 Jan 02 j 09:41	19°J44'10	
opposition	-5222 Jun 28 j 20:20	25°M04'37	-0°18'43				

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Attention, astronomical year style is used: The year -5215 in astronomical counting style is the year 5216 BCE in historical counting style.

conjunction	-5215 Jan 18 j 12:56	20° $\mathring{\text{A}}$ 38'37	-0°36'33	retrograde	-5209 Jun 03 j 22:07	18° $\mathring{\text{Z}}$ 37'41	
minimum elong	-5215 Jan 18 j 12:55	20° $\mathring{\text{A}}$ 38'37	0°36'50	opposition	-5209 Aug 19 j 22:43	16° $\mathring{\text{Z}}$ 37'30	-0°54'16
max. Earth dist.	-5215 Jan 19 j 13:54	20° $\mathring{\text{A}}$ 42'09	21.12310 AU	min. Earth dist.	-5209 Aug 19 j 11:23	16° $\mathring{\text{Z}}$ 38'40	18.92381 AU
morning rise	-5215 Feb 03 j 20:24	21° $\mathring{\text{A}}$ 33'40		direct	-5209 Nov 02 j 14:21	14° $\mathring{\text{Z}}$ 40'00	
retrograde	-5215 May 09 j 19:40	24° $\mathring{\text{A}}$ 40'21		evening set	-5208 Jan 31 j 13:50	17° $\mathring{\text{Z}}$ 39'40	
opposition	-5215 Jul 26 j 13:50	22° $\mathring{\text{A}}$ 40'52	-0°41'49				
min. Earth dist.	-5215 Jul 25 j 15:37	22° $\mathring{\text{A}}$ 43'07	19.11630 AU	conjunction	-5208 Feb 17 j 00:13	18° $\mathring{\text{Z}}$ 35'25	-0°49'38
direct	-5215 Oct 09 j 09:02	20° $\mathring{\text{A}}$ 44'54		minimum elong	-5208 Feb 17 j 00:13	18° $\mathring{\text{Z}}$ 35'25	0°49'54
evening set	-5214 Jan 06 j 15:42	23° $\mathring{\text{A}}$ 41'43		max. Earth dist.	-5208 Feb 17 j 11:46	18° $\mathring{\text{Z}}$ 37'03	20.90029 AU
				morning rise	-5208 Mar 04 j 14:10	19° $\mathring{\text{Z}}$ 31'39	
conjunction	-5214 Jan 22 j 19:53	24° $\mathring{\text{A}}$ 36'19	-0°39'02	retrograde	-5208 Jun 07 j 06:37	22° $\mathring{\text{Z}}$ 39'51	
minimum elong	-5214 Jan 22 j 19:53	24° $\mathring{\text{A}}$ 36'19	0°39'20	opposition	-5208 Aug 23 j 04:37	20° $\mathring{\text{Z}}$ 39'31	-0°55'29
max. Earth dist.	-5214 Jan 23 j 19:07	24° $\mathring{\text{A}}$ 39'36	21.10731 AU	min. Earth dist.	-5208 Aug 22 j 19:44	20° $\mathring{\text{Z}}$ 40'26	18.87640 AU
morning rise	-5214 Feb 08 j 04:22	25° $\mathring{\text{A}}$ 31'30		direct	-5208 Nov 05 j 19:13	18° $\mathring{\text{Z}}$ 41'42	
retrograde	-5214 May 14 j 02:19	28° $\mathring{\text{A}}$ 38'20		evening set	-5207 Feb 03 j 23:23	21° $\mathring{\text{Z}}$ 42'05	
opposition	-5214 Jul 30 j 19:21	26° $\mathring{\text{A}}$ 38'49	-0°44'27				
min. Earth dist.	-5214 Jul 29 j 23:44	26° $\mathring{\text{A}}$ 40'48	19.09771 AU	conjunction	-5207 Feb 20 j 10:46	22° $\mathring{\text{Z}}$ 38'04	-0°50'36
direct	-5214 Oct 13 j 12:06	24° $\mathring{\text{A}}$ 42'42		minimum elong	-5207 Feb 20 j 10:46	22° $\mathring{\text{Z}}$ 38'04	0°50'53
evening set	-5213 Jan 10 j 22:06	27° $\mathring{\text{A}}$ 39'50		max. Earth dist.	-5207 Feb 20 j 20:13	22° $\mathring{\text{Z}}$ 39'25	20.85148 AU
				morning rise	-5207 Mar 09 j 01:33	23° $\mathring{\text{Z}}$ 34'31	
conjunction	-5213 Jan 27 j 03:25	28° $\mathring{\text{A}}$ 34'35	-0°41'19	retrograde	-5207 Jun 11 j 17:13	26° $\mathring{\text{Z}}$ 43'06	
minimum elong	-5213 Jan 27 j 03:25	28° $\mathring{\text{A}}$ 34'35	0°41'36	opposition	-5207 Aug 27 j 10:41	24° $\mathring{\text{Z}}$ 42'38	-0°56'26
max. Earth dist.	-5213 Jan 28 j 00:50	28° $\mathring{\text{A}}$ 37'37	21.08592 AU	min. Earth dist.	-5207 Aug 27 j 02:43	24° $\mathring{\text{Z}}$ 43'27	18.82617 AU
morning rise	-5213 Feb 12 j 12:52	29° $\mathring{\text{A}}$ 29'55		direct	-5207 Nov 10 j 01:47	22° $\mathring{\text{Z}}$ 44'28	
	-5213 Feb 21 j 18:39	0° $\mathring{\text{Z}}$		evening set	-5206 Feb 08 j 09:51	25° $\mathring{\text{Z}}$ 45'40	
retrograde	-5213 May 18 j 12:22	2° $\mathring{\text{Z}}$ 36'55					
min. Earth dist.	-5213 Aug 03 j 06:05	0° $\mathring{\text{Z}}$ 39'13	19.07330 AU	conjunction	-5206 Feb 24 j 22:11	26° $\mathring{\text{Z}}$ 41'54	-0°51'20
opposition	-5213 Aug 04 j 00:46	0° $\mathring{\text{Z}}$ 37'19	-0°46'53	minimum elong	-5206 Feb 24 j 22:11	26° $\mathring{\text{Z}}$ 41'54	0°51'35
	-5213 Aug 19 j 14:24	30° $\mathring{\text{R}}$ $\mathring{\text{A}}$		max. Earth dist.	-5206 Feb 25 j 05:51	26° $\mathring{\text{Z}}$ 43'00	20.79986 AU
direct	-5213 Oct 17 j 18:10	28° $\mathring{\text{A}}$ 41'00		morning rise	-5206 Mar 13 j 13:40	27° $\mathring{\text{Z}}$ 38'35	
	-5213 Dec 13 j 12:38	0° $\mathring{\text{Z}}$			-5206 May 02 j 17:13	0° $\mathring{\text{Z}}$	
evening set	-5212 Jan 15 j 05:07	1° $\mathring{\text{Z}}$ 38'31		retrograde	-5206 Jun 16 j 02:57	0° $\mathring{\text{Z}}$ 47'34	
					-5206 Jul 31 j 05:03	30° $\mathring{\text{R}}$ $\mathring{\text{Z}}$	
conjunction	-5212 Jan 31 j 11:24	2° $\mathring{\text{Z}}$ 33'26	-0°43'25	opposition	-5206 Aug 31 j 17:05	28° $\mathring{\text{Z}}$ 46'59	-0°57'07
minimum elong	-5212 Jan 31 j 11:24	2° $\mathring{\text{Z}}$ 33'26	0°43'43	min. Earth dist.	-5206 Aug 31 j 11:35	28° $\mathring{\text{Z}}$ 47'33	18.77332 AU
max. Earth dist.	-5212 Feb 01 j 06:44	2° $\mathring{\text{Z}}$ 36'10	21.05854 AU	direct	-5206 Nov 14 j 07:21	26° $\mathring{\text{Z}}$ 48'30	
morning rise	-5212 Feb 16 j 21:48	3° $\mathring{\text{Z}}$ 28'56		evening set	-5205 Feb 12 j 21:06	29° $\mathring{\text{Z}}$ 50'36	
retrograde	-5212 May 21 j 18:55	6° $\mathring{\text{Z}}$ 36'06			-5205 Feb 15 j 16:05	0° $\mathring{\text{Z}}$	
opposition	-5212 Aug 07 j 06:14	4° $\mathring{\text{Z}}$ 36'23	-0°49'05				
min. Earth dist.	-5212 Aug 06 j 14:16	4° $\mathring{\text{Z}}$ 38'01	19.04309 AU	conjunction	-5205 Mar 01 j 10:24	0° $\mathring{\text{Z}}$ 47'06	-0°51'48
direct	-5212 Oct 20 j 21:32	2° $\mathring{\text{Z}}$ 39'50		minimum elong	-5205 Mar 01 j 10:24	0° $\mathring{\text{Z}}$ 47'06	0°52'04
evening set	-5211 Jan 18 j 12:26	5° $\mathring{\text{Z}}$ 37'46		max. Earth dist.	-5205 Mar 01 j 15:39	0° $\mathring{\text{Z}}$ 47'51	20.74595 AU
				morning rise	-5205 Mar 18 j 02:41	1° $\mathring{\text{Z}}$ 44'02	
conjunction	-5211 Feb 03 j 19:49	6° $\mathring{\text{Z}}$ 32'52	-0°45'18	retrograde	-5205 Jun 20 j 14:53	4° $\mathring{\text{Z}}$ 53'27	
minimum elong	-5211 Feb 03 j 19:49	6° $\mathring{\text{Z}}$ 32'52	0°45'36	opposition	-5205 Sep 04 j 23:51	2° $\mathring{\text{Z}}$ 52'47	-0°57'31
max. Earth dist.	-5211 Feb 04 j 13:11	6° $\mathring{\text{Z}}$ 35'20	21.02580 AU	min. Earth dist.	-5205 Sep 04 j 19:29	2° $\mathring{\text{Z}}$ 53'14	18.71819 AU
morning rise	-5211 Feb 20 j 07:09	7° $\mathring{\text{Z}}$ 28'32		direct	-5205 Nov 18 j 14:49	0° $\mathring{\text{Z}}$ 53'59	
retrograde	-5211 May 26 j 04:50	10° $\mathring{\text{Z}}$ 35'55		evening set	-5204 Feb 17 j 09:11	3° $\mathring{\text{Z}}$ 57'04	
opposition	-5211 Aug 11 j 11:39	8° $\mathring{\text{Z}}$ 36'04	-0°51'04				
min. Earth dist.	-5211 Aug 10 j 20:39	8° $\mathring{\text{Z}}$ 37'36	19.00775 AU	conjunction	-5204 Mar 04 j 23:23	4° $\mathring{\text{Z}}$ 53'51	-0°52'01
direct	-5211 Oct 25 j 03:56	6° $\mathring{\text{Z}}$ 39'13		minimum elong	-5204 Mar 04 j 23:23	4° $\mathring{\text{Z}}$ 53'51	0°52'16
evening set	-5210 Jan 22 j 20:14	9° $\mathring{\text{Z}}$ 37'39		max. Earth dist.	-5204 Mar 05 j 02:50	4° $\mathring{\text{Z}}$ 54'20	20.68959 AU
				morning rise	-5204 Mar 21 j 16:12	5° $\mathring{\text{Z}}$ 51'01	
conjunction	-5210 Feb 08 j 04:36	10° $\mathring{\text{Z}}$ 32'57	-0°46'59	retrograde	-5204 Jun 24 j 01:42	9° $\mathring{\text{Z}}$ 00'56	
minimum elong	-5210 Feb 08 j 04:36	10° $\mathring{\text{Z}}$ 32'57	0°47'16	opposition	-5204 Sep 08 j 07:07	7° $\mathring{\text{Z}}$ 00'12	-0°57'37
max. Earth dist.	-5210 Feb 08 j 20:04	10° $\mathring{\text{Z}}$ 35'09	20.98803 AU	min. Earth dist.	-5204 Sep 08 j 05:16	7° $\mathring{\text{Z}}$ 00'24	18.66067 AU
morning rise	-5210 Feb 24 j 16:51	11° $\mathring{\text{Z}}$ 28'48		direct	-5204 Nov 21 j 21:19	5° $\mathring{\text{Z}}$ 01'06	
retrograde	-5210 May 30 j 12:06	14° $\mathring{\text{Z}}$ 36'25		evening set	-5203 Feb 20 j 22:10	8° $\mathring{\text{Z}}$ 05'14	
opposition	-5210 Aug 15 j 17:16	12° $\mathring{\text{Z}}$ 36'24	-0°52'48				
min. Earth dist.	-5210 Aug 15 j 04:54	12° $\mathring{\text{Z}}$ 37'40	18.96773 AU	conjunction	-5203 Mar 09 j 13:11	9° $\mathring{\text{Z}}$ 02'17	-0°51'58
direct	-5210 Oct 29 j 08:06	10° $\mathring{\text{Z}}$ 39'15		minimum elong	-5203 Mar 09 j 13:11	9° $\mathring{\text{Z}}$ 02'18	0°52'13
evening set	-5209 Jan 27 j 04:42	13° $\mathring{\text{Z}}$ 38'14		max. Earth dist.	-5203 Mar 09 j 13:57	9° $\mathring{\text{Z}}$ 02'24	20.63108 AU
				morning rise	-5203 Mar 26 j 06:43	9° $\mathring{\text{Z}}$ 59'43	
conjunction	-5209 Feb 12 j 14:09	14° $\mathring{\text{Z}}$ 33'45	-0°48'25	retrograde	-5203 Jun 28 j 15:04	13° $\mathring{\text{Z}}$ 10'10	
minimum elong	-5209 Feb 12 j 14:09	14° $\mathring{\text{Z}}$ 33'45	0°48'43	opposition	-5203 Sep 12 j 14:48	11° $\mathring{\text{Z}}$ 09'23	-0°57'25
max. Earth dist.	-5209 Feb 13 j 03:33	14° $\mathring{\text{Z}}$ 35'40	20.94607 AU	min. Earth dist.	-5203 Sep 12 j 14:24	11° $\mathring{\text{Z}}$ 09'25	18.60096 AU
morning rise	-5209 Mar 01 j 03:18	15° $\mathring{\text{Z}}$ 29'48		direct	-5203 Nov 26 j 05:56	9° $\mathring{\text{Z}}$ 09'58	

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Attention, astronomical year style is used: The year -5202 in astronomical counting style is the year 5203 BCE in historical counting style.

evening set	-5202 Feb 25 j 12:04	12°≈15'13		conjunction	-5196 Apr 09 j 15:24	8°ℋ53'51	-0°43'46
				minimum elong	-5196 Apr 09 j 15:25	8°ℋ53'51	0°43'53
conjunction	-5202 Mar 14 j 03:58	13°≈12'35	-0°51'38	max. Earth dist.	-5196 Apr 08 j 23:06	8°ℋ51'27	20.15229 AU
minimum elong	-5202 Mar 14 j 03:58	13°≈12'35	0°51'53	morning rise	-5196 Apr 26 j 11:04	9°ℋ53'07	
max. Earth dist.	-5202 Mar 14 j 02:51	13°≈12'25	20.57003 AU	retrograde	-5196 Jul 28 j 23:33	13°ℋ07'33	
morning rise	-5202 Mar 30 j 21:57	14°≈10'15		opposition	-5196 Oct 11 j 14:34	11°ℋ05'58	-0°47'23
	-5202 Apr 15 j 02:24	15°≈		min. Earth dist.	-5196 Oct 12 j 05:17	11°ℋ04'23	18.11538 AU
retrograde	-5202 Jul 03 j 03:23	17°≈21'16		direct	-5196 Dec 25 j 11:22	9°ℋ03'38	
opposition	-5202 Sep 16 j 23:12	15°≈20'26	-0°56'55	evening set	-5195 Mar 28 j 16:15	12°ℋ17'39	
min. Earth dist.	-5202 Sep 17 j 01:31	15°≈20'11	18.53856 AU				
	-5202 Sep 25 j 02:04	15°℞≈		conjunction	-5195 Apr 14 j 12:02	13°ℋ17'09	-0°41'30
direct	-5202 Nov 30 j 13:56	13°≈20'41		minimum elong	-5195 Apr 14 j 12:03	13°ℋ17'09	0°41'37
	-5201 Feb 02 j 12:37	15°≈		max. Earth dist.	-5195 Apr 13 j 16:31	13°ℋ14'15	20.07860 AU
evening set	-5201 Mar 02 j 03:08	16°≈27'07		morning rise	-5195 May 01 j 07:53	14°ℋ16'40	
				retrograde	-5195 Aug 02 j 16:30	17°ℋ31'41	
conjunction	-5201 Mar 18 j 19:43	17°≈24'46	-0°51'02	opposition	-5195 Oct 16 j 03:26	15°ℋ29'55	-0°44'44
minimum elong	-5201 Mar 18 j 19:43	17°≈24'46	0°51'14	min. Earth dist.	-5195 Oct 16 j 19:53	15°ℋ28'09	18.04211 AU
max. Earth dist.	-5201 Mar 18 j 15:21	17°≈24'08	20.50635 AU	direct	-5195 Dec 30 j 02:14	13°ℋ27'07	
morning rise	-5201 Apr 04 j 14:17	18°≈22'43		evening set	-5194 Apr 02 j 13:25	16°ℋ42'29	
retrograde	-5201 Jul 07 j 17:52	21°≈34'18					
opposition	-5201 Sep 21 j 08:03	19°≈33'23	-0°56'07	conjunction	-5194 Apr 19 j 09:39	17°ℋ42'16	-0°38'58
min. Earth dist.	-5201 Sep 21 j 12:11	19°≈32'57	18.47347 AU	minimum elong	-5194 Apr 19 j 09:39	17°ℋ42'16	0°39'03
direct	-5201 Dec 05 j 00:01	17°≈33'16		max. Earth dist.	-5194 Apr 18 j 13:19	17°ℋ39'15	20.00575 AU
evening set	-5200 Mar 05 j 19:05	20°≈40'55		morning rise	-5194 May 06 j 05:15	18°ℋ42'02	
				retrograde	-5194 Aug 07 j 10:12	21°ℋ57'38	
conjunction	-5200 Mar 22 j 12:28	21°≈38'53	-0°50'09	opposition	-5194 Oct 20 j 17:08	19°ℋ55'44	-0°41'48
minimum elong	-5200 Mar 22 j 12:28	21°≈38'53	0°50'21	min. Earth dist.	-5194 Oct 21 j 11:01	19°ℋ53'48	17.96992 AU
max. Earth dist.	-5200 Mar 22 j 06:06	21°≈37'57	20.43976 AU	direct	-5193 Jan 03 j 17:10	17°ℋ52'30	
morning rise	-5200 Apr 08 j 07:17	22°≈37'05		evening set	-5193 Apr 07 j 11:40	21°ℋ09'13	
retrograde	-5200 Jul 11 j 07:51	25°≈49'14		max. Earth dist.	-5193 Apr 23 j 08:32	22°ℋ05'48	19.93443 AU
opposition	-5200 Sep 24 j 17:45	23°≈48'14	-0°54'59				
min. Earth dist.	-5200 Sep 25 j 00:29	23°≈47'32	18.40550 AU	conjunction	-5193 Apr 24 j 07:52	22°ℋ09'17	-0°36'12
direct	-5200 Dec 08 j 09:51	21°≈47'44		minimum elong	-5193 Apr 24 j 07:52	22°ℋ09'17	0°36'15
evening set	-5199 Mar 10 j 11:50	24°≈56'36		morning rise	-5193 May 11 j 03:24	23°ℋ09'17	
				retrograde	-5193 Aug 12 j 04:11	26°ℋ25'29	
conjunction	-5199 Mar 27 j 05:46	25°≈54'52	-0°48'58	opposition	-5193 Oct 25 j 07:38	24°ℋ23'27	-0°38'36
minimum elong	-5199 Mar 27 j 05:46	25°≈54'52	0°49'08	min. Earth dist.	-5193 Oct 26 j 03:09	24°ℋ21'20	17.89972 AU
max. Earth dist.	-5199 Mar 26 j 19:58	25°≈53'26	20.37059 AU	direct	-5192 Jan 08 j 10:10	22°ℋ19'48	
morning rise	-5199 Apr 13 j 01:05	26°≈53'21		evening set	-5192 Apr 11 j 10:35	25°ℋ37'54	
	-5199 Jun 30 j 16:14	0°ℋ		max. Earth dist.	-5192 Apr 27 j 07:14	26°ℋ34'40	19.86534 AU
retrograde	-5199 Jul 15 j 23:14	0°ℋ06'05					
	-5199 Jul 31 j 07:26	30°℞≈		conjunction	-5192 Apr 28 j 07:00	26°ℋ38'14	-0°33'11
opposition	-5199 Sep 29 j 04:00	28°≈04'57	-0°53'33	minimum elong	-5192 Apr 28 j 07:00	26°ℋ38'14	0°33'14
min. Earth dist.	-5199 Sep 29 j 12:36	28°≈04'02	18.33514 AU	morning rise	-5192 May 15 j 02:05	27°ℋ38'27	
direct	-5199 Dec 12 j 21:23	26°≈04'01			-5192 Jun 30 j 22:12	0°℣	
evening set	-5198 Mar 15 j 05:36	29°≈14'08		retrograde	-5192 Aug 15 j 23:01	0°℣55'14	
	-5198 Mar 28 j 09:33	0°ℋ			-5192 Oct 01 j 18:20	30°℞ℋ	
				opposition	-5192 Oct 28 j 23:02	28°ℋ53'08	-0°35'08
conjunction	-5198 Apr 01 j 00:16	0°ℋ12'43	-0°47'31	min. Earth dist.	-5192 Oct 29 j 19:25	28°ℋ50'56	17.83191 AU
minimum elong	-5198 Apr 01 j 00:16	0°ℋ12'43	0°47'40	direct	-5191 Jan 12 j 03:16	26°ℋ49'08	
max. Earth dist.	-5198 Mar 31 j 12:41	0°ℋ11'01	20.29911 AU		-5191 Apr 13 j 23:52	0°℣	
morning rise	-5198 Apr 17 j 19:41	1°ℋ11'27		evening set	-5191 Apr 16 j 10:23	0°℣08'35	
retrograde	-5198 Jul 20 j 14:40	4°ℋ24'45		max. Earth dist.	-5191 May 02 j 04:15	1°℣05'12	19.79893 AU
opposition	-5198 Oct 03 j 14:49	2°ℋ23'29	-0°51'47				
min. Earth dist.	-5198 Oct 04 j 01:49	2°ℋ22'19	18.26274 AU	conjunction	-5191 May 03 j 06:37	1°℣09'11	-0°29'57
direct	-5198 Dec 17 j 09:01	0°ℋ22'06		minimum elong	-5191 May 03 j 06:37	1°℣09'11	0°29'57
evening set	-5197 Mar 20 j 00:25	3°ℋ33'30		morning rise	-5191 May 20 j 01:29	2°℣09'36	
				retrograde	-5191 Aug 20 j 18:12	5°℣27'01	
conjunction	-5197 Apr 05 j 19:27	4°ℋ32'23	-0°45'46	opposition	-5191 Nov 02 j 15:20	3°℣24'51	-0°31'26
minimum elong	-5197 Apr 05 j 19:27	4°ℋ32'23	0°45'56	min. Earth dist.	-5191 Nov 03 j 13:25	3°℣22'27	17.76699 AU
max. Earth dist.	-5197 Apr 05 j 04:22	4°ℋ30'10	20.22613 AU	direct	-5190 Jan 16 j 21:54	1°℣20'31	
morning rise	-5197 Apr 22 j 15:13	5°ℋ31'24		evening set	-5190 Apr 21 j 11:05	4°℣41'20	
retrograde	-5197 Jul 25 j 06:54	8°ℋ45'16		max. Earth dist.	-5190 May 07 j 04:36	5°℣38'08	19.73542 AU
opposition	-5197 Oct 08 j 02:21	6°ℋ43'49	-0°49'44				
min. Earth dist.	-5197 Oct 08 j 15:12	6°ℋ42'27	18.18929 AU	conjunction	-5190 May 08 j 07:21	5°℣42'11	-0°26'30
direct	-5197 Dec 21 j 22:06	4°ℋ41'57		minimum elong	-5190 May 08 j 07:21	5°℣42'11	0°26'30
evening set	-5196 Mar 23 j 19:49	7°ℋ54'40		morning rise	-5190 May 25 j 01:37	6°℣42'48	

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Attention, astronomical year style is used: The year -5190 in astronomical counting style is the year 5191 BCE in historical counting style.

retrograde	-5190 Aug 25 j 14:50	10° Υ 00'48		behind sun begin	-5184 Jun 05 j 16:56	3° B 38'55	
opposition	-5190 Nov 07 j 08:23	7° Υ 58'38	-0°27'29	behind sun end	-5184 Jun 06 j 06:26	3° B 40'58	
min. Earth dist.	-5190 Nov 08 j 07:10	7° Υ 56'10	17.70486 AU	max. Earth dist.	-5184 Jun 04 j 14:01	3° B 34'42	19.41382 AU
direct	-5189 Jan 21 j 17:37	5° Υ 54'00		morning rise	-5184 Jun 22 j 13:09	4° B 41'22	
evening set	-5189 Apr 26 j 12:50	9° Υ 16'10		retrograde	-5184 Sep 22 j 06:10	8° B 02'20	
max. Earth dist.	-5189 May 12 j 03:37	10° Υ 12'49	19.67472 AU	opposition	-5184 Dec 04 j 10:25	6° B 00'05	-0°00'24
				min. Earth dist.	-5184 Dec 05 j 14:34	5° B 57'01	17.39274 AU
conjunction	-5189 May 13 j 08:40	10° Υ 17'15	-0°22'51	asc. node	-5183 Jan 03 j 22:47	4° B 45'20	
minimum elong	-5189 May 13 j 08:41	10° Υ 17'15	0°22'49	direct	-5183 Feb 18 j 11:39	3° B 53'52	
morning rise	-5189 May 30 j 02:26	11° Υ 18'03		evening set	-5183 May 25 j 11:29	7° B 22'48	
retrograde	-5189 Aug 30 j 11:18	14° Υ 36'38		max. Earth dist.	-5183 Jun 09 j 18:03	8° B 19'32	19.37193 AU
opposition	-5189 Nov 12 j 02:36	12° Υ 34'29	-0°23'20				
min. Earth dist.	-5189 Nov 13 j 03:16	12° Υ 31'47	17.64568 AU	conjunction	-5183 Jun 11 j 03:42	8° B 24'47	0°01'52
direct	-5188 Jan 26 j 13:48	10° Υ 29'34		minimum elong	-5183 Jun 11 j 03:41	8° B 24'47	0°02'02
evening set	-5188 Apr 30 j 15:01	13° Υ 53'02		behind sun begin	-5183 Jun 10 j 20:55	8° B 23'45	
max. Earth dist.	-5188 May 16 j 05:08	14° Υ 49'49	19.61686 AU	behind sun end	-5183 Jun 11 j 10:26	8° B 25'48	
				morning rise	-5183 Jun 27 j 15:58	9° B 26'15	
conjunction	-5188 May 17 j 10:35	14° Υ 54'19	-0°19'02	retrograde	-5183 Sep 27 j 05:09	12° B 47'33	
minimum elong	-5188 May 17 j 10:35	14° Υ 54'19	0°18'59	opposition	-5183 Dec 09 j 09:37	10° B 45'17	0°04'23
morning rise	-5188 Jun 03 j 03:36	15° Υ 55'18		min. Earth dist.	-5183 Dec 10 j 15:02	10° B 42'04	17.35314 AU
retrograde	-5188 Sep 03 j 09:49	19° Υ 14'26		direct	-5182 Feb 23 j 12:20	8° B 38'49	
opposition	-5188 Nov 15 j 21:38	17° Υ 12'17	-0°19'00	evening set	-5182 May 30 j 16:36	12° B 08'34	
min. Earth dist.	-5188 Nov 16 j 22:39	17° Υ 09'33	17.58914 AU	max. Earth dist.	-5182 Jun 14 j 21:35	13° B 05'15	19.33477 AU
direct	-5187 Jan 30 j 12:00	15° Υ 07'07					
evening set	-5187 May 05 j 18:11	18° Υ 31'50		conjunction	-5182 Jun 16 j 07:43	13° B 10'36	0°06'10
max. Earth dist.	-5187 May 21 j 05:52	19° Υ 28'29	19.56160 AU	minimum elong	-5182 Jun 16 j 07:43	13° B 10'36	0°06'21
				behind sun begin	-5182 Jun 16 j 01:21	13° B 09'37	
conjunction	-5187 May 22 j 13:12	19° Υ 33'18	-0°15'04	behind sun end	-5182 Jun 16 j 14:04	13° B 11'34	
minimum elong	-5187 May 22 j 13:12	19° Υ 33'18	0°14'59	morning rise	-5182 Jul 02 j 19:00	14° B 12'05	
behind sun begin	-5187 May 22 j 11:01	19° Υ 32'59			-5182 Jul 16 j 04:52	15° B	
behind sun end	-5187 May 22 j 15:22	19° Υ 33'38		retrograde	-5182 Oct 02 j 06:20	17° B 33'42	
morning rise	-5187 Jun 08 j 05:27	20° Υ 34'25		opposition	-5182 Dec 14 j 09:17	15° B 31'23	0°09'10
retrograde	-5187 Sep 08 j 07:08	23° Υ 54'05		min. Earth dist.	-5182 Dec 15 j 13:44	15° B 28'16	17.31853 AU
opposition	-5187 Nov 20 j 17:34	21° Υ 51'56	-0°14'30		-5182 Dec 26 j 11:15	15° B	
min. Earth dist.	-5187 Nov 21 j 20:34	21° Υ 48'59	17.53538 AU	direct	-5181 Feb 28 j 15:21	13° B 24'43	
direct	-5186 Feb 04 j 09:46	19° Υ 46'28			-5181 May 01 j 09:30	15° B	
evening set	-5186 May 10 j 21:55	23° Υ 12'23		evening set	-5181 Jun 04 j 21:40	16° B 55'11	
max. Earth dist.	-5186 May 26 j 08:23	24° Υ 09'05	19.50921 AU	max. Earth dist.	-5181 Jun 20 j 02:56	17° B 52'04	19.30281 AU
conjunction	-5186 May 27 j 16:24	24° Υ 14'01	-0°10'58	conjunction	-5181 Jun 21 j 11:51	17° B 57'15	0°10'24
minimum elong	-5186 May 27 j 16:24	24° Υ 14'01	0°10'52	minimum elong	-5181 Jun 21 j 11:51	17° B 57'15	0°10'37
behind sun begin	-5186 May 27 j 11:19	24° Υ 13'15		behind sun begin	-5181 Jun 21 j 06:40	17° B 56'27	
behind sun end	-5186 May 27 j 21:29	24° Υ 14'47		behind sun end	-5181 Jun 21 j 17:02	17° B 58'02	
morning rise	-5186 Jun 13 j 07:49	25° Υ 15'16		morning rise	-5181 Jul 07 j 21:46	18° B 58'43	
retrograde	-5186 Sep 13 j 07:12	28° Υ 35'24		retrograde	-5181 Oct 07 j 05:45	22° B 20'35	
opposition	-5186 Nov 25 j 14:23	26° Υ 33'14	-0°09'53	opposition	-5181 Dec 19 j 09:52	20° B 18'15	0°13'53
min. Earth dist.	-5186 Nov 26 j 17:21	26° Υ 30'17	17.48439 AU	min. Earth dist.	-5181 Dec 20 j 14:51	20° B 15'04	17.28952 AU
direct	-5185 Feb 09 j 10:23	24° Υ 27'31		direct	-5180 Mar 04 j 17:26	18° B 11'27	
evening set	-5185 May 16 j 02:08	27° Υ 54'31		evening set	-5180 Jun 09 j 02:41	21° B 42'29	
max. Earth dist.	-5185 May 31 j 10:51	28° Υ 51'11	19.45969 AU	max. Earth dist.	-5180 Jun 24 j 06:31	22° B 39'19	19.27688 AU
conjunction	-5185 Jun 01 j 19:54	28° Υ 56'18	-0°06'48	conjunction	-5180 Jun 25 j 15:34	22° B 44'32	0°14'35
minimum elong	-5185 Jun 01 j 19:55	28° Υ 56'18	0°06'41	minimum elong	-5180 Jun 25 j 15:34	22° B 44'32	0°14'47
behind sun begin	-5185 Jun 01 j 13:36	28° Υ 55'21		behind sun begin	-5180 Jun 25 j 13:00	22° B 44'08	
behind sun end	-5185 Jun 02 j 02:14	28° Υ 57'15		behind sun end	-5180 Jun 25 j 18:08	22° B 44'56	
morning rise	-5185 Jun 18 j 10:18	29° Υ 57'38		morning rise	-5180 Jul 12 j 00:26	23° B 46'00	
	-5185 Jun 19 j 01:55	0° B		retrograde	-5180 Oct 11 j 06:46	27° B 08'05	
retrograde	-5185 Sep 18 j 05:12	3° B 18'13		opposition	-5180 Dec 23 j 10:49	25° B 05'43	0°18'30
opposition	-5185 Nov 30 j 12:08	1° B 16'01	-0°05'10	min. Earth dist.	-5180 Dec 24 j 14:24	25° B 02'43	17.26678 AU
min. Earth dist.	-5185 Dec 01 j 16:47	1° B 12'53	17.43666 AU	direct	-5179 Mar 09 j 21:33	22° B 58'50	
	-5185 Dec 31 j 15:34	30° B		evening set	-5179 Jun 14 j 07:37	26° B 30'22	
direct	-5184 Feb 14 j 09:42	29° Υ 10'02					
	-5184 Mar 29 j 09:30	0° B		conjunction	-5179 Jun 30 j 19:29	27° B 32'23	0°18'40
evening set	-5184 May 20 j 06:44	2° B 38'03		minimum elong	-5179 Jun 30 j 19:29	27° B 32'23	0°18'54
				max. Earth dist.	-5179 Jun 29 j 12:28	27° B 27'29	19.25735 AU
conjunction	-5184 Jun 05 j 23:40	3° B 39'57	-0°02'32	morning rise	-5179 Jul 17 j 02:53	28° B 33'47	
minimum elong	-5184 Jun 05 j 23:41	3° B 39'57	0°02'24		-5179 Aug 10 j 21:34	0° B	

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Attention, astronomical year style is used: The year -5179 in astronomical counting style is the year 5180 BCE in historical counting style.

retrograde	-5179 Oct 16 j 06:25	1° Π 56'03		direct	-5172 Apr 13 j 07:52	26° Π 39'23	
	-5179 Dec 26 j 02:47	30° κ 8			-5172 Jul 15 j 12:36	0° Θ	
opposition	-5179 Dec 28 j 12:21	29° δ 53'43	0°23'01	evening set	-5172 Jul 18 j 11:26	0° Θ 10'56	
min. Earth dist.	-5179 Dec 29 j 15:45	29° δ 50'43	17.25059 AU				
direct	-5178 Mar 15 j 01:36	27° δ 46'48		conjunction	-5172 Aug 03 j 13:55	1° Θ 11'55	0°42'21
	-5178 May 28 j 02:23	0° Π		minimum elong	-5172 Aug 03 j 13:54	1° Θ 11'55	0°42'38
evening set	-5178 Jun 19 j 12:39	1° Π 18'43		max. Earth dist.	-5172 Aug 02 j 17:19	1° Θ 08'39	19.30039 AU
				morning rise	-5172 Aug 19 j 12:22	2° Θ 12'20	
conjunction	-5178 Jul 05 j 23:06	2° Π 20'40	0°22'38	retrograde	-5172 Nov 18 j 12:45	5° Θ 34'30	
minimum elong	-5178 Jul 05 j 23:06	2° Π 20'40	0°22'53	opposition	-5171 Jan 31 j 10:48	3° Θ 32'55	0°48'35
max. Earth dist.	-5178 Jul 04 j 16:09	2° Π 15'46	19.24465 AU	min. Earth dist.	-5171 Feb 01 j 04:52	3° Θ 30'59	17.31402 AU
morning rise	-5178 Jul 22 j 05:21	3° Π 21'59		direct	-5171 Apr 18 j 12:22	1° Θ 26'59	
retrograde	-5178 Oct 21 j 07:02	6° Π 44'24		evening set	-5171 Jul 23 j 13:23	4° Θ 58'00	
opposition	-5177 Jan 02 j 14:27	4° Π 42'08	0°27'23				
min. Earth dist.	-5177 Jan 03 j 16:18	4° Π 39'19	17.24136 AU	conjunction	-5171 Aug 08 j 14:33	5° Θ 58'45	0°44'42
direct	-5177 Mar 20 j 06:35	2° Π 35'15		minimum elong	-5171 Aug 08 j 14:33	5° Θ 58'45	0°44'59
evening set	-5177 Jun 24 j 17:12	6° Π 07'26		max. Earth dist.	-5171 Aug 07 j 20:05	5° Θ 55'49	19.32806 AU
max. Earth dist.	-5177 Jul 09 j 22:12	7° Π 04'48	19.23881 AU	morning rise	-5171 Aug 24 j 11:50	6° Θ 58'56	
				retrograde	-5171 Nov 23 j 13:21	10° Θ 20'50	
conjunction	-5177 Jul 11 j 02:31	7° Π 09'17	0°26'28	opposition	-5170 Feb 05 j 14:30	8° Θ 19'20	0°51'01
minimum elong	-5177 Jul 11 j 02:30	7° Π 09'17	0°26'43	min. Earth dist.	-5170 Feb 06 j 05:58	8° Θ 17'41	17.34382 AU
morning rise	-5177 Jul 27 j 07:17	8° Π 10'31		direct	-5170 Apr 23 j 18:11	6° Θ 13'38	
retrograde	-5177 Oct 26 j 07:35	11° Π 33'02		evening set	-5170 Jul 28 j 14:34	9° Θ 43'58	
opposition	-5176 Jan 07 j 17:06	9° Π 30'53	0°31'33				
min. Earth dist.	-5176 Jan 08 j 18:04	9° Π 28'10	17.23880 AU	conjunction	-5170 Aug 13 j 14:28	10° Θ 44'28	0°46'43
direct	-5176 Mar 24 j 11:48	7° Π 24'06		minimum elong	-5170 Aug 13 j 14:28	10° Θ 44'28	0°47'00
evening set	-5176 Jun 28 j 21:44	10° Π 56'25		max. Earth dist.	-5170 Aug 12 j 22:08	10° Θ 41'52	19.36014 AU
max. Earth dist.	-5176 Jul 14 j 01:42	11° Π 53'44	19.23961 AU	morning rise	-5170 Aug 29 j 10:35	11° Θ 44'24	
				retrograde	-5170 Nov 28 j 12:20	15° Θ 06'00	
conjunction	-5176 Jul 15 j 05:34	11° Π 58'09	0°30'06	opposition	-5169 Feb 10 j 18:19	13° Θ 04'33	0°53'06
minimum elong	-5176 Jul 15 j 05:34	11° Π 58'09	0°30'23	min. Earth dist.	-5169 Feb 11 j 08:43	13° Θ 03'01	17.37820 AU
morning rise	-5176 Jul 31 j 09:10	12° Π 59'16		direct	-5169 Apr 28 j 22:18	10° Θ 59'04	
retrograde	-5176 Oct 30 j 08:23	16° Π 21'50		evening set	-5169 Aug 02 j 14:42	14° Θ 28'37	
opposition	-5175 Jan 11 j 19:58	14° Π 19'47	0°35'31				
min. Earth dist.	-5175 Jan 12 j 19:37	14° Π 17'14	17.24284 AU	conjunction	-5169 Aug 18 j 13:20	15° Θ 28'49	0°48'25
direct	-5175 Mar 29 j 16:40	12° Π 13'07		minimum elong	-5169 Aug 18 j 13:20	15° Θ 28'49	0°48'43
evening set	-5175 Jul 04 j 01:49	15° Π 45'29		max. Earth dist.	-5169 Aug 17 j 23:06	15° Θ 26'34	19.39688 AU
max. Earth dist.	-5175 Jul 19 j 07:11	16° Π 43'03	19.24669 AU	morning rise	-5169 Sep 03 j 08:31	16° Θ 28'31	
				retrograde	-5169 Dec 03 j 12:06	19° Θ 49'45	
conjunction	-5175 Jul 20 j 08:27	16° Π 47'04	0°33'33	opposition	-5168 Feb 15 j 21:41	17° Θ 48'20	0°54'48
minimum elong	-5175 Jul 20 j 08:27	16° Π 47'04	0°33'49	min. Earth dist.	-5168 Feb 16 j 08:57	17° Θ 47'08	17.41711 AU
morning rise	-5175 Aug 05 j 10:39	17° Π 48'02		direct	-5168 May 03 j 03:46	15° Θ 43'06	
retrograde	-5175 Nov 04 j 09:44	21° Π 10'35		evening set	-5168 Aug 06 j 13:57	19° Θ 11'44	
opposition	-5174 Jan 16 j 23:21	19° Π 08'42	0°39'14				
min. Earth dist.	-5174 Jan 17 j 21:36	19° Π 06'17	17.25270 AU	conjunction	-5168 Aug 22 j 11:29	20° Θ 11'40	0°49'47
direct	-5174 Apr 03 j 21:56	17° Π 02'12		minimum elong	-5168 Aug 22 j 11:29	20° Θ 11'40	0°50'04
evening set	-5174 Jul 09 j 05:38	20° Π 34'25		max. Earth dist.	-5168 Aug 22 j 00:08	20° Θ 09'53	19.43810 AU
max. Earth dist.	-5174 Jul 24 j 10:20	21° Π 31'57	19.25936 AU	morning rise	-5168 Sep 07 j 05:37	21° Θ 11'06	
				retrograde	-5168 Dec 07 j 09:27	24° Θ 31'55	
conjunction	-5174 Jul 25 j 10:46	21° Π 35'50	0°36'45	opposition	-5167 Feb 20 j 00:42	22° Θ 30'33	0°56'07
minimum elong	-5174 Jul 25 j 10:46	21° Π 35'50	0°37'02	min. Earth dist.	-5167 Feb 20 j 10:45	22° Θ 29'29	17.46071 AU
morning rise	-5174 Aug 10 j 11:43	22° Π 36'38		direct	-5167 May 08 j 07:08	20° Θ 25'34	
retrograde	-5174 Nov 09 j 10:49	25° Π 59'07		evening set	-5167 Aug 11 j 12:18	23° Θ 53'13	
opposition	-5173 Jan 22 j 03:03	23° Π 57'21	0°42'40				
min. Earth dist.	-5173 Jan 23 j 00:10	23° Π 55'04	17.26817 AU	conjunction	-5167 Aug 27 j 08:36	24° Θ 52'51	0°50'48
direct	-5173 Apr 09 j 02:37	21° Π 51'01		minimum elong	-5167 Aug 27 j 08:36	24° Θ 52'51	0°51'04
evening set	-5173 Jul 14 j 08:52	25° Π 23'00		max. Earth dist.	-5167 Aug 26 j 23:13	24° Θ 51'22	19.48416 AU
				morning rise	-5167 Sep 12 j 01:59	25° Θ 52'01	
conjunction	-5173 Jul 30 j 12:43	26° Π 24'12	0°39'41	retrograde	-5167 Dec 12 j 08:01	29° Θ 12'23	
minimum elong	-5173 Jul 30 j 12:42	26° Π 24'12	0°39'58	opposition	-5166 Feb 25 j 03:18	27° Θ 11'03	0°57'03
max. Earth dist.	-5173 Jul 29 j 14:43	26° Π 20'42	19.27745 AU	min. Earth dist.	-5166 Feb 25 j 09:49	27° Θ 10'22	17.50911 AU
morning rise	-5173 Aug 15 j 12:21	27° Π 24'49		direct	-5166 May 13 j 11:23	25° Θ 06'22	
	-5173 Oct 04 j 06:40	0° Θ		evening set	-5166 Aug 16 j 09:28	28° Θ 32'58	
retrograde	-5173 Nov 14 j 12:18	0° Θ 47'10					
	-5173 Dec 27 j 05:09	30° κ Π		conjunction	-5166 Sep 01 j 04:48	29° Θ 32'17	0°51'29
opposition	-5172 Jan 27 j 06:53	28° Π 45'30	0°45'47	minimum elong	-5166 Sep 01 j 04:48	29° Θ 32'17	0°51'45
min. Earth dist.	-5172 Jan 28 j 01:56	28° Π 43'27	17.28867 AU	max. Earth dist.	-5166 Aug 31 j 22:58	29° Θ 31'21	19.53498 AU

Attention, astronomical year style is used: The year -5166 in astronomical counting style is the year 5167 BCE in historical counting style.

	-5166 Sep 08 j 12:51	0°♏			-5160 Nov 23 j 10:27	0°♐	
morning rise	-5166 Sep 16 j 21:13	0°♏31'10	retrograde		-5159 Jan 13 j 01:45	1°♐06'00	
retrograde	-5166 Dec 17 j 04:13	3°♏51'05			-5159 Mar 07 j 10:40	30°♐♏	
opposition	-5165 Mar 02 j 05:40	1°♏49'50 0°57'36	opposition		-5159 Mar 30 j 06:43	29°♏05'39 0°53'19	
min. Earth dist.	-5165 Mar 02 j 10:31	1°♏49'19 17.56239 AU	min. Earth dist.		-5159 Mar 29 j 20:39	29°♏06'41 17.95938 AU	
	-5165 Apr 24 j 14:18	30°♐♏	direct		-5159 Jun 15 j 08:37	27°♏04'00	
direct	-5165 May 18 j 13:24	29°♏45'30			-5159 Sep 10 j 08:40	0°♐	
	-5165 Jun 11 j 02:20	0°♏	evening set		-5159 Sep 16 j 11:29	0°♐21'46	
evening set	-5165 Aug 21 j 05:50	3°♏10'57					
			conjunction		-5159 Oct 02 j 01:34	1°♐18'55 0°47'10	
conjunction	-5165 Sep 06 j 00:04	4°♏09'57 0°51'50	minimum elong		-5159 Oct 02 j 01:34	1°♐18'55 0°47'19	
minimum elong	-5165 Sep 06 j 00:04	4°♏09'57 0°52'04	max. Earth dist.		-5159 Oct 02 j 12:23	1°♐20'35 19.99540 AU	
max. Earth dist.	-5165 Sep 05 j 20:06	4°♏09'20 19.59075 AU	morning rise		-5159 Oct 17 j 15:03	2°♐15'59	
morning rise	-5165 Sep 21 j 15:55	5°♏08'35	retrograde		-5158 Jan 17 j 19:32	5°♐32'06	
retrograde	-5165 Dec 22 j 01:45	8°♏28'00	opposition		-5158 Apr 04 j 04:41	3°♐31'51 0°51'26	
opposition	-5164 Mar 06 j 07:12	6°♏26'51 0°57'47	min. Earth dist.		-5158 Apr 03 j 16:25	3°♐33'06 18.03150 AU	
min. Earth dist.	-5164 Mar 06 j 08:27	6°♏26'43 17.62046 AU	direct		-5158 Jun 20 j 04:20	1°♐30'39	
direct	-5164 May 22 j 15:31	4°♏22'54	evening set		-5158 Sep 21 j 01:07	4°♐47'02	
evening set	-5164 Aug 25 j 01:00	7°♏47'11					
			conjunction		-5158 Oct 06 j 14:59	5°♐43'53 0°45'21	
conjunction	-5164 Sep 09 j 18:31	8°♏45'53 0°51'51	minimum elong		-5158 Oct 06 j 14:59	5°♐43'54 0°45'29	
minimum elong	-5164 Sep 09 j 18:31	8°♏45'53 0°52'06	max. Earth dist.		-5158 Oct 07 j 04:51	5°♐46'01 20.06741 AU	
max. Earth dist.	-5164 Sep 09 j 18:16	8°♏45'50 19.65100 AU	morning rise		-5158 Oct 22 j 04:14	6°♐40'41	
morning rise	-5164 Sep 25 j 09:36	9°♏44'14	retrograde		-5157 Jan 22 j 12:43	9°♐56'12	
retrograde	-5164 Dec 25 j 20:53	13°♏03'08	min. Earth dist.		-5157 Apr 08 j 11:39	7°♐57'30 18.10324 AU	
opposition	-5163 Mar 11 j 08:22	11°♏02'09 0°57'36	opposition		-5157 Apr 09 j 01:52	7°♐56'03 0°49'16	
min. Earth dist.	-5163 Mar 11 j 07:52	11°♏02'12 17.68269 AU	direct		-5157 Jun 25 j 01:17	5°♐55'16	
direct	-5163 May 27 j 15:25	8°♏58'38	evening set		-5157 Sep 25 j 14:07	9°♐10'14	
evening set	-5163 Aug 29 j 19:24	12°♏21'41					
			conjunction		-5157 Oct 11 j 03:32	10°♐06'49 0°43'18	
conjunction	-5163 Sep 14 j 11:55	13°♏20'04 0°51'32	minimum elong		-5157 Oct 11 j 03:32	10°♐06'49 0°43'25	
minimum elong	-5163 Sep 14 j 11:55	13°♏20'04 0°51'45	max. Earth dist.		-5157 Oct 11 j 18:17	10°♐09'04 20.13886 AU	
max. Earth dist.	-5163 Sep 14 j 13:17	13°♏20'16 19.71518 AU	morning rise		-5157 Oct 26 j 16:58	11°♐03'23	
morning rise	-5163 Sep 30 j 02:38	14°♏18'09	retrograde		-5156 Jan 27 j 04:17	14°♐18'15	
	-5163 Oct 11 j 19:55	15°♏	opposition		-5156 Apr 12 j 22:02	12°♐18'10 0°46'49	
retrograde	-5163 Dec 30 j 17:32	17°♏36'33	min. Earth dist.		-5156 Apr 12 j 06:13	12°♐19'47 18.17440 AU	
opposition	-5162 Mar 16 j 08:51	15°♏35'42 0°57'03	direct		-5156 Jun 28 j 19:15	10°♐17'45	
min. Earth dist.	-5162 Mar 16 j 05:06	15°♏36'06 17.74854 AU	evening set		-5156 Sep 29 j 02:00	13°♐31'20	
	-5162 Mar 30 j 21:03	15°♐♏					
direct	-5162 Jun 01 j 15:11	13°♏32'39	conjunction		-5156 Oct 14 j 15:24	14°♐27'39 0°41'00	
	-5162 Jul 30 j 17:11	15°♏	minimum elong		-5156 Oct 14 j 15:24	14°♐27'39 0°41'06	
evening set	-5162 Sep 03 j 12:43	16°♏54'26	max. Earth dist.		-5156 Oct 15 j 08:52	14°♐30'18 20.20951 AU	
			morning rise		-5156 Oct 30 j 04:48	15°♐23'58	
conjunction	-5162 Sep 19 j 04:39	17°♏52'30 0°50'54	retrograde		-5155 Jan 30 j 19:40	18°♐38'11	
minimum elong	-5162 Sep 19 j 04:40	17°♏52'30 0°51'07	opposition		-5155 Apr 17 j 17:22	16°♐38'09 0°44'07	
max. Earth dist.	-5162 Sep 19 j 09:43	17°♏53'18 19.78253 AU	min. Earth dist.		-5155 Apr 16 j 23:30	16°♐39'58 18.24446 AU	
morning rise	-5162 Oct 04 j 18:45	18°♏50'20	direct		-5155 Jul 03 j 14:46	13°♐38'06	
retrograde	-5161 Jan 04 j 12:13	22°♏08'11	evening set		-5155 Oct 03 j 13:02	17°♐50'17	
opposition	-5161 Mar 21 j 08:54	20°♏07'31 0°56'08					
min. Earth dist.	-5161 Mar 21 j 03:20	20°♏08'05 17.81713 AU	conjunction		-5155 Oct 19 j 02:08	18°♐46'19 0°38'29	
direct	-5161 Jun 06 j 13:27	18°♏04'57	minimum elong		-5155 Oct 19 j 02:08	18°♐46'19 0°38'34	
evening set	-5161 Sep 08 j 05:10	21°♏25'24	max. Earth dist.		-5155 Oct 19 j 20:35	18°♐49'06 20.27911 AU	
			morning rise		-5155 Nov 03 j 15:52	19°♐42'25	
conjunction	-5161 Sep 23 j 20:18	22°♏23'10 0°49'57	retrograde		-5154 Feb 04 j 09:22	22°♐56'01	
minimum elong	-5161 Sep 23 j 20:18	22°♏23'10 0°50'09	opposition		-5154 Apr 22 j 11:56	20°♐55'58 0°41'12	
max. Earth dist.	-5161 Sep 24 j 02:44	22°♏24'09 19.85225 AU	min. Earth dist.		-5154 Apr 21 j 16:42	20°♐57'55 18.31371 AU	
morning rise	-5161 Oct 09 j 10:15	23°♏20'44	direct		-5154 Jul 08 j 06:39	18°♐56'15	
retrograde	-5160 Jan 09 j 07:39	26°♏38'02	evening set		-5154 Oct 07 j 23:06	22°♐07'04	
opposition	-5160 Mar 25 j 08:13	24°♏37'31 0°54'54					
min. Earth dist.	-5160 Mar 24 j 23:55	24°♏38'22 17.88776 AU	conjunction		-5154 Oct 23 j 12:19	23°♐02'50 0°35'47	
direct	-5160 Jun 10 j 11:02	22°♏35'24	minimum elong		-5154 Oct 23 j 12:19	23°♐02'50 0°35'51	
evening set	-5160 Sep 11 j 20:41	25°♏54'32	max. Earth dist.		-5154 Oct 24 j 09:28	23°♐06'02 20.34794 AU	
			morning rise		-5154 Nov 08 j 02:10	23°♐58'44	
conjunction	-5160 Sep 27 j 11:25	26°♏52'00 0°48'42	retrograde		-5153 Feb 08 j 22:52	27°♐11'41	
minimum elong	-5160 Sep 27 j 11:25	26°♏52'00 0°48'52	min. Earth dist.		-5153 Apr 26 j 07:53	25°♐13'51 18.38215 AU	
max. Earth dist.	-5160 Sep 27 j 21:11	26°♏53'30 19.92347 AU	opposition		-5153 Apr 27 j 05:26	25°♐11'40 0°38'06	
morning rise	-5160 Oct 13 j 00:55	27°♏49'17	direct		-5153 Jul 13 j 00:02	23°♐12'17	

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Attention, astronomical year style is used: The year -5153 in astronomical counting style is the year 5154 BCE in historical counting style.

evening set	-5153 Oct 12 j 08:27	26° <u>17</u> 21'45		behind sun begin	-5147 Nov 20 j 13:47	22° <u>12</u> 08'03	
				behind sun end	-5147 Nov 20 j 21:56	22° <u>12</u> 09'13	
conjunction	-5153 Oct 27 j 21:34	27° <u>17</u> 17'17	0°32'55	max. Earth dist.	-5147 Nov 22 j 00:07	22° <u>12</u> 13'03	20.79822 AU
minimum elong	-5153 Oct 27 j 21:35	27° <u>17</u> 17'17	0°32'56	morning rise	-5147 Dec 06 j 11:30	23° <u>12</u> 03'28	
max. Earth dist.	-5153 Oct 28 j 19:45	27° <u>17</u> 20'37	20.41601 AU	retrograde	-5146 Mar 10 j 05:28	26° <u>12</u> 12'48	
morning rise	-5153 Nov 12 j 11:55	28° <u>17</u> 12'59		min. Earth dist.	-5146 May 26 j 03:54	24° <u>12</u> 16'20	18.82626 AU
	-5153 Dec 16 j 04:25	0° <u>12</u>		opposition	-5146 May 27 j 09:08	24° <u>12</u> 13'24	0°12'22
retrograde	-5152 Feb 13 j 11:23	1° <u>12</u> 25'19		direct	-5146 Aug 11 j 09:42	22° <u>12</u> 16'29	
	-5152 Apr 16 j 10:18	30° <u>12</u>		evening set	-5146 Nov 09 j 08:33	25° <u>12</u> 18'18	
opposition	-5152 Apr 30 j 22:08	29° <u>12</u> 25'20	0°34'48				
min. Earth dist.	-5152 Apr 29 j 23:30	29° <u>12</u> 27'37	18.45000 AU	conjunction	-5146 Nov 25 j 00:04	26° <u>12</u> 12'38	0°09'28
direct	-5152 Jul 16 j 13:33	27° <u>12</u> 26'16		minimum elong	-5146 Nov 25 j 00:04	26° <u>12</u> 12'38	0°09'21
	-5152 Oct 05 j 15:21	0° <u>12</u>		behind sun begin	-5146 Nov 24 j 18:32	26° <u>12</u> 11'51	
evening set	-5152 Oct 15 j 16:58	0° <u>12</u> 34'28		behind sun end	-5146 Nov 25 j 05:35	26° <u>12</u> 13'25	
				max. Earth dist.	-5146 Nov 26 j 07:23	26° <u>12</u> 17'11	20.85263 AU
conjunction	-5152 Oct 31 j 06:20	1° <u>12</u> 29'47	0°29'54	morning rise	-5146 Dec 10 j 18:20	27° <u>12</u> 07'22	
minimum elong	-5152 Oct 31 j 06:20	1° <u>12</u> 29'47	0°29'54		-5145 Feb 16 j 20:29	0° <u>12</u>	
max. Earth dist.	-5152 Nov 01 j 06:55	1° <u>12</u> 33'27	20.48345 AU	retrograde	-5145 Mar 14 j 16:04	0° <u>12</u> 16'17	
morning rise	-5152 Nov 15 j 20:54	2° <u>12</u> 25'18			-5145 Apr 09 j 22:52	30° <u>12</u>	
retrograde	-5151 Feb 16 j 23:30	5° <u>12</u> 37'02		opposition	-5145 May 31 j 20:21	28° <u>12</u> 17'00	0°08'21
opposition	-5151 May 05 j 13:45	3° <u>12</u> 37'07	0°31'21	min. Earth dist.	-5145 May 30 j 13:52	28° <u>12</u> 20'02	18.87853 AU
min. Earth dist.	-5151 May 04 j 12:45	3° <u>12</u> 39'38	18.51699 AU	direct	-5145 Aug 15 j 19:40	26° <u>12</u> 20'21	
direct	-5151 Jul 21 j 04:27	1° <u>12</u> 38'25		evening set	-5145 Nov 13 j 13:55	29° <u>12</u> 21'20	
evening set	-5151 Oct 20 j 00:56	4° <u>12</u> 45'23			-5145 Nov 24 j 18:50	0° <u>12</u>	
conjunction	-5151 Nov 04 j 14:21	5° <u>12</u> 40'30	0°26'44	conjunction	-5145 Nov 29 j 05:54	0° <u>12</u> 15'33	0°05'51
minimum elong	-5151 Nov 04 j 14:21	5° <u>12</u> 40'30	0°26'43	minimum elong	-5145 Nov 29 j 05:54	0° <u>12</u> 15'33	0°05'44
max. Earth dist.	-5151 Nov 05 j 15:51	5° <u>12</u> 44'17	20.54998 AU	behind sun begin	-5145 Nov 28 j 23:36	0° <u>12</u> 14'40	
morning rise	-5151 Nov 20 j 05:31	6° <u>12</u> 35'51		behind sun end	-5145 Nov 29 j 12:11	0° <u>12</u> 16'27	
retrograde	-5150 Feb 21 j 11:05	9° <u>12</u> 47'02		max. Earth dist.	-5145 Nov 30 j 13:00	0° <u>12</u> 20'04	20.90253 AU
min. Earth dist.	-5150 May 09 j 03:07	7° <u>12</u> 49'47	18.58310 AU	morning rise	-5145 Dec 15 j 01:03	1° <u>12</u> 10'13	
opposition	-5150 May 10 j 04:51	7° <u>12</u> 47'11	0°27'46	retrograde	-5144 Mar 18 j 00:26	4° <u>12</u> 18'46	
direct	-5150 Jul 25 j 15:54	5° <u>12</u> 48'51		min. Earth dist.	-5144 Jun 03 j 01:36	2° <u>12</u> 22'29	18.92611 AU
evening set	-5150 Oct 24 j 08:03	8° <u>12</u> 54'39		opposition	-5144 Jun 04 j 07:09	2° <u>12</u> 19'32	0°04'19
				direct	-5144 Aug 19 j 02:41	0° <u>12</u> 23'07	
conjunction	-5150 Nov 08 j 21:53	9° <u>12</u> 49'35	0°23'27	evening set	-5144 Nov 16 j 18:50	3° <u>12</u> 23'19	
minimum elong	-5150 Nov 08 j 21:53	9° <u>12</u> 49'35	0°23'25				
max. Earth dist.	-5150 Nov 10 j 01:32	9° <u>12</u> 53'40	20.61541 AU	conjunction	-5144 Dec 02 j 11:32	4° <u>12</u> 17'27	0°02'11
morning rise	-5150 Nov 24 j 13:29	10° <u>12</u> 44'47		minimum elong	-5144 Dec 02 j 11:32	4° <u>12</u> 17'27	0°02'02
retrograde	-5149 Feb 25 j 22:40	13° <u>12</u> 55'27		behind sun begin	-5144 Dec 02 j 04:59	4° <u>12</u> 16'32	
opposition	-5149 May 14 j 18:59	11° <u>12</u> 55'43	0°24'03	behind sun end	-5144 Dec 02 j 18:06	4° <u>12</u> 18'22	
min. Earth dist.	-5149 May 13 j 15:07	11° <u>12</u> 58'31	18.64764 AU	max. Earth dist.	-5144 Dec 03 j 19:11	4° <u>12</u> 22'02	20.94758 AU
direct	-5149 Jul 30 j 04:50	9° <u>12</u> 57'45		morning rise	-5144 Dec 18 j 07:24	5° <u>12</u> 12'03	
evening set	-5149 Oct 28 j 14:54	13° <u>12</u> 02'28		retrograde	-5143 Mar 22 j 10:18	8° <u>12</u> 20'13	
				min. Earth dist.	-5143 Jun 07 j 10:35	6° <u>12</u> 24'05	18.96854 AU
conjunction	-5149 Nov 13 j 04:56	13° <u>12</u> 57'13	0°20'04	opposition	-5143 Jun 08 j 17:08	6° <u>12</u> 21'02	0°00'17
minimum elong	-5149 Nov 13 j 04:56	13° <u>12</u> 57'13	0°20'01	desc. node	-5143 Jul 04 j 14:48	5° <u>12</u> 21'49	
max. Earth dist.	-5149 Nov 14 j 09:14	14° <u>12</u> 01'23	20.67895 AU	direct	-5143 Aug 23 j 11:19	4° <u>12</u> 24'48	
morning rise	-5149 Nov 28 j 21:16	14° <u>12</u> 52'17		evening set	-5143 Nov 20 j 23:37	7° <u>12</u> 24'16	
retrograde	-5148 Mar 01 j 09:04	18° <u>12</u> 02'28					
min. Earth dist.	-5148 May 17 j 04:25	16° <u>12</u> 05'39	18.71017 AU	conjunction	-5143 Dec 06 j 16:53	8° <u>12</u> 18'19	-0°01'34
opposition	-5148 May 18 j 08:20	16° <u>12</u> 02'51	0°20'14	minimum elong	-5143 Dec 06 j 16:54	8° <u>12</u> 18'19	0°01'43
direct	-5148 Aug 02 j 14:19	14° <u>12</u> 05'15		behind sun begin	-5143 Dec 06 j 10:20	8° <u>12</u> 17'24	
evening set	-5148 Oct 31 j 21:09	17° <u>12</u> 08'56		behind sun end	-5143 Dec 06 j 23:28	8° <u>12</u> 19'14	
				max. Earth dist.	-5143 Dec 08 j 00:06	8° <u>12</u> 22'49	20.98741 AU
conjunction	-5148 Nov 16 j 11:43	18° <u>12</u> 03'32	0°16'35	morning rise	-5143 Dec 22 j 13:43	9° <u>12</u> 12'52	
minimum elong	-5148 Nov 16 j 11:43	18° <u>12</u> 03'32	0°16'31	retrograde	-5142 Mar 26 j 17:58	12° <u>12</u> 20'42	
max. Earth dist.	-5148 Nov 17 j 17:36	18° <u>12</u> 07'55	20.74018 AU	min. Earth dist.	-5142 Jun 11 j 21:20	10° <u>12</u> 24'25	19.00589 AU
morning rise	-5148 Dec 02 j 04:33	18° <u>12</u> 58'28		opposition	-5142 Jun 13 j 02:42	10° <u>12</u> 21'30	-0°03'44
retrograde	-5147 Mar 05 j 20:07	22° <u>12</u> 08'12		direct	-5142 Aug 27 j 17:39	8° <u>12</u> 25'24	
opposition	-5147 May 22 j 20:57	20° <u>12</u> 08'42	0°16'20	evening set	-5142 Nov 25 j 03:57	11° <u>12</u> 24'10	
min. Earth dist.	-5147 May 21 j 15:19	20° <u>12</u> 11'40	18.76989 AU				
direct	-5147 Aug 07 j 01:42	18° <u>12</u> 11'27		conjunction	-5142 Dec 10 j 22:05	12° <u>12</u> 18'10	-0°05'12
evening set	-5147 Nov 05 j 03:00	21° <u>12</u> 14'11		minimum elong	-5142 Dec 10 j 22:06	12° <u>12</u> 18'10	0°05'22
				behind sun begin	-5142 Dec 10 j 15:45	12° <u>12</u> 17'17	
conjunction	-5147 Nov 20 j 17:52	22° <u>12</u> 08'38	0°13'03	behind sun end	-5142 Dec 11 j 04:27	12° <u>12</u> 19'04	
minimum elong	-5147 Nov 20 j 17:52	22° <u>12</u> 08'38	0°12'58	max. Earth dist.	-5142 Dec 12 j 05:39	12° <u>12</u> 22'43	21.02230 AU

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Attention, astronomical year style is used: The year -5142 in astronomical counting style is the year 5143 BCE in historical counting style.

morning rise	-5142 Dec 26 j 19:46	13° <u>ℳ</u> .12'41		evening set	-5136 Dec 18 j 04:17	5° <u>♂</u> 07'44	
	-5141 Jan 31 j 05:18	15° <u>ℳ</u> .					
retrograde	-5141 Mar 31 j 03:07	16° <u>ℳ</u> .20'11		conjunction	-5135 Jan 03 j 03:33	6° <u>♂</u> 01'45	-0°25'29
	-5141 May 31 j 21:05	15° <u>♂</u> ℳ.		minimum elong	-5135 Jan 03 j 03:33	6° <u>♂</u> 01'45	0°25'44
min. Earth dist.	-5141 Jun 16 j 05:15	14° <u>ℳ</u> .23'58	19.03828 AU	max. Earth dist.	-5135 Jan 04 j 09:23	6° <u>♂</u> 06'00	21.14120 AU
opposition	-5141 Jun 17 j 11:26	14° <u>ℳ</u> .20'57	-0°07'42	morning rise	-5135 Jan 19 j 06:57	6° <u>♂</u> 56'23	
direct	-5141 Sep 01 j 00:58	12° <u>ℳ</u> .24'56		retrograde	-5135 Apr 24 j 01:33	10° <u>♂</u> 02'47	
	-5141 Nov 22 j 08:55	15° <u>ℳ</u> .		min. Earth dist.	-5135 Jul 10 j 01:58	8° <u>♂</u> 06'08	19.14494 AU
evening set	-5141 Nov 29 j 08:17	15° <u>ℳ</u> .23'06		opposition	-5135 Jul 11 j 05:27	8° <u>♂</u> 03'22	-0°29'54
				direct	-5135 Sep 24 j 07:32	6° <u>♂</u> 07'37	
conjunction	-5141 Dec 15 j 03:06	16° <u>ℳ</u> .17'04	-0°08'45	evening set	-5135 Dec 22 j 08:45	9° <u>♂</u> 03'53	
minimum elong	-5141 Dec 15 j 03:05	16° <u>ℳ</u> .17'04	0°08'57				
behind sun begin	-5141 Dec 14 j 21:26	16° <u>ℳ</u> .16'16		conjunction	-5134 Jan 07 j 08:52	9° <u>♂</u> 57'59	-0°28'32
behind sun end	-5141 Dec 15 j 08:44	16° <u>ℳ</u> .17'51		minimum elong	-5134 Jan 07 j 08:52	9° <u>♂</u> 57'59	0°28'47
max. Earth dist.	-5141 Dec 16 j 10:08	16° <u>ℳ</u> .21'31	21.05228 AU	max. Earth dist.	-5134 Jan 08 j 13:35	10° <u>♂</u> 02'03	21.14662 AU
morning rise	-5141 Dec 31 j 01:45	17° <u>ℳ</u> .11'33		morning rise	-5134 Jan 23 j 13:21	10° <u>♂</u> 52'41	
retrograde	-5140 Apr 03 j 09:57	20° <u>ℳ</u> .18'45		retrograde	-5134 Apr 28 j 07:56	13° <u>♂</u> 59'04	
opposition	-5140 Jun 20 j 19:33	18° <u>ℳ</u> .19'28	-0°11'38	min. Earth dist.	-5134 Jul 14 j 09:56	12° <u>♂</u> 02'14	19.14809 AU
min. Earth dist.	-5140 Jun 19 j 14:42	18° <u>ℳ</u> .22'21	19.06610 AU	opposition	-5134 Jul 15 j 11:22	11° <u>♂</u> 59'40	-0°33'11
direct	-5140 Sep 04 j 06:25	16° <u>ℳ</u> .23'31		direct	-5134 Sep 28 j 10:03	10° <u>♂</u> 03'55	
evening set	-5140 Dec 02 j 12:18	19° <u>ℳ</u> .21'09		evening set	-5134 Dec 26 j 13:25	13° <u>♂</u> 00'10	
conjunction	-5140 Dec 18 j 08:00	20° <u>ℳ</u> .15'05	-0°12'15	conjunction	-5133 Jan 11 j 14:38	13° <u>♂</u> 54'22	-0°31'27
minimum elong	-5140 Dec 18 j 08:00	20° <u>ℳ</u> .15'05	0°12'27	minimum elong	-5133 Jan 11 j 14:38	13° <u>♂</u> 54'22	0°31'43
behind sun begin	-5140 Dec 18 j 03:41	20° <u>ℳ</u> .14'29		max. Earth dist.	-5133 Jan 12 j 18:35	13° <u>♂</u> 58'19	21.14744 AU
behind sun end	-5140 Dec 18 j 12:20	20° <u>ℳ</u> .15'41		morning rise	-5133 Jan 27 j 20:04	14° <u>♂</u> 49'09	
max. Earth dist.	-5140 Dec 19 j 15:19	20° <u>ℳ</u> .19'34	21.07802 AU	retrograde	-5133 May 02 j 16:55	17° <u>♂</u> 55'34	
morning rise	-5139 Jan 03 j 07:30	21° <u>ℳ</u> .09'34		opposition	-5133 Jul 19 j 17:00	15° <u>♂</u> 56'11	-0°36'20
retrograde	-5139 Apr 07 j 18:54	24° <u>ℳ</u> .16'31		min. Earth dist.	-5133 Jul 18 j 15:50	15° <u>♂</u> 58'43	19.14628 AU
min. Earth dist.	-5139 Jun 23 j 21:26	22° <u>ℳ</u> .20'09	19.08977 AU	direct	-5133 Oct 02 j 15:35	14° <u>♂</u> 00'24	
opposition	-5139 Jun 25 j 03:08	22° <u>ℳ</u> .17'10	-0°15'29	evening set	-5133 Dec 30 j 18:38	16° <u>♂</u> 56'45	
direct	-5139 Sep 08 j 12:39	20° <u>ℳ</u> .21'16					
evening set	-5139 Dec 06 j 16:13	23° <u>ℳ</u> .18'27		conjunction	-5132 Jan 15 j 20:42	17° <u>♂</u> 51'02	-0°34'13
				minimum elong	-5132 Jan 15 j 20:41	17° <u>♂</u> 51'02	0°34'30
conjunction	-5139 Dec 22 j 12:39	24° <u>ℳ</u> .12'23	-0°15'41	max. Earth dist.	-5132 Jan 16 j 22:59	17° <u>♂</u> 54'46	21.14286 AU
minimum elong	-5139 Dec 22 j 12:39	24° <u>ℳ</u> .12'23	0°15'55	morning rise	-5132 Feb 01 j 03:09	18° <u>♂</u> 45'56	
behind sun begin	-5139 Dec 22 j 11:37	24° <u>ℳ</u> .12'15		retrograde	-5132 May 05 j 23:56	21° <u>♂</u> 52'25	
behind sun end	-5139 Dec 22 j 13:40	24° <u>ℳ</u> .12'32		opposition	-5132 Jul 22 j 22:34	19° <u>♂</u> 53'02	-0°39'19
max. Earth dist.	-5139 Dec 23 j 19:29	24° <u>ℳ</u> .16'47	21.09964 AU	min. Earth dist.	-5132 Jul 21 j 23:52	19° <u>♂</u> 55'19	19.13895 AU
morning rise	-5138 Jan 07 j 13:11	25° <u>ℳ</u> .06'53		direct	-5132 Oct 05 j 18:18	17° <u>♂</u> 57'12	
retrograde	-5138 Apr 12 j 01:08	28° <u>ℳ</u> .13'37		evening set	-5131 Jan 03 j 00:05	20° <u>♂</u> 53'42	
min. Earth dist.	-5138 Jun 28 j 06:05	26° <u>ℳ</u> .17'05	19.10952 AU				
opposition	-5138 Jun 29 j 10:25	26° <u>ℳ</u> .14'14	-0°19'14	conjunction	-5131 Jan 19 j 03:15	21° <u>♂</u> 48'07	-0°36'50
direct	-5138 Sep 12 j 17:08	24° <u>ℳ</u> .18'23		minimum elong	-5131 Jan 19 j 03:15	21° <u>♂</u> 48'07	0°37'07
evening set	-5138 Dec 10 j 20:10	27° <u>ℳ</u> .15'12		max. Earth dist.	-5131 Jan 20 j 04:14	21° <u>♂</u> 51'39	21.13276 AU
				morning rise	-5131 Feb 04 j 10:37	22° <u>♂</u> 43'08	
conjunction	-5138 Dec 26 j 17:36	28° <u>ℳ</u> .09'09	-0°19'03	retrograde	-5131 May 10 j 08:56	25° <u>♂</u> 49'43	
minimum elong	-5138 Dec 26 j 17:36	28° <u>ℳ</u> .09'09	0°19'16	min. Earth dist.	-5131 Jul 26 j 05:55	23° <u>♂</u> 52'32	19.12585 AU
max. Earth dist.	-5138 Dec 28 j 00:28	28° <u>ℳ</u> .13'33	21.11749 AU	opposition	-5131 Jul 27 j 04:01	23° <u>♂</u> 50'18	-0°42'06
morning rise	-5137 Jan 11 j 19:02	29° <u>ℳ</u> .03'40		direct	-5131 Oct 09 j 23:24	21° <u>♂</u> 54'22	
	-5137 Jan 29 j 08:57	0° <u>♂</u>		evening set	-5130 Jan 07 j 06:01	24° <u>♂</u> 51'06	
retrograde	-5137 Apr 16 j 10:28	2° <u>♂</u> 10'14					
opposition	-5137 Jul 03 j 16:57	0° <u>♂</u> 10'50	-0°22'54	conjunction	-5130 Jan 23 j 10:08	25° <u>♂</u> 45'39	-0°39'17
min. Earth dist.	-5137 Jul 02 j 12:04	0° <u>♂</u> 13'44	19.12540 AU	minimum elong	-5130 Jan 23 j 10:08	25° <u>♂</u> 45'39	0°39'33
	-5137 Jul 08 j 05:09	30° <u>♂</u> ℳ.		max. Earth dist.	-5130 Jan 24 j 09:04	25° <u>♂</u> 48'54	21.11659 AU
direct	-5137 Sep 16 j 22:44	28° <u>ℳ</u> .15'01		morning rise	-5130 Feb 08 j 18:33	26° <u>♂</u> 40'48	
	-5137 Nov 22 j 05:04	0° <u>♂</u>		retrograde	-5130 May 14 j 16:25	29° <u>♂</u> 47'31	
evening set	-5137 Dec 15 j 00:17	1° <u>♂</u> 11'34		opposition	-5130 Jul 31 j 09:36	27° <u>♂</u> 48'02	-0°44'42
				min. Earth dist.	-5130 Jul 30 j 14:10	27° <u>♂</u> 50'00	19.10665 AU
conjunction	-5137 Dec 30 j 22:31	2° <u>♂</u> 05'32	-0°22'19	direct	-5130 Oct 14 j 02:57	25° <u>♂</u> 51'56	
minimum elong	-5137 Dec 30 j 22:31	2° <u>♂</u> 05'32	0°22'34	evening set	-5129 Jan 11 j 12:23	28° <u>♂</u> 48'57	
max. Earth dist.	-5136 Jan 01 j 04:35	2° <u>♂</u> 09'49	21.13133 AU				
morning rise	-5136 Jan 16 j 01:01	3° <u>♂</u> 00'07		conjunction	-5129 Jan 27 j 17:39	29° <u>♂</u> 43'40	-0°41'32
retrograde	-5136 Apr 19 j 16:21	6° <u>♂</u> 06'34		minimum elong	-5129 Jan 27 j 17:39	29° <u>♂</u> 43'40	0°41'49
opposition	-5136 Jul 06 j 23:24	4° <u>♂</u> 07'09	-0°26'28	max. Earth dist.	-5129 Jan 28 j 14:53	29° <u>♂</u> 46'41	21.09450 AU
min. Earth dist.	-5136 Jul 05 j 20:11	4° <u>♂</u> 09'53	19.13726 AU				
direct	-5136 Sep 20 j 01:57	2° <u>♂</u> 11'22		morning rise	-5129 Feb 13 j 03:00	0° <u>♂</u> 38'58	

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Attention, astronomical year style is used: The year -5129 in astronomical counting style is the year 5130 BCE in historical counting style.

retrograde	-5129 May 19 j 01:33	3° $\overline{3}$ 45'50		conjunction	-5122 Feb 25 j 11:34	27° $\overline{3}$ 49'35	-0°51'15
opposition	-5129 Aug 04 j 14:50	1° $\overline{3}$ 46'15	-0°47'05	minimum elong	-5122 Feb 25 j 11:34	27° $\overline{3}$ 49'35	0°51'31
min. Earth dist.	-5129 Aug 03 j 20:15	1° $\overline{3}$ 48'08	19.08155 AU	max. Earth dist.	-5122 Feb 25 j 19:28	27° $\overline{3}$ 50'43	20.81164 AU
	-5129 Sep 28 j 10:57	30° \overline{R} 7		morning rise	-5122 Mar 14 j 03:01	28° $\overline{3}$ 46'15	
direct	-5129 Oct 18 j 07:56	29° \overline{R} 49'56			-5122 Apr 06 j 10:59	0° \approx	
	-5129 Nov 07 j 00:49	0° $\overline{3}$		retrograde	-5122 Jun 16 j 16:25	1° \approx 55'11	
evening set	-5128 Jan 15 j 19:17	2° $\overline{3}$ 47'19			-5122 Aug 30 j 03:58	30° \overline{R} 3	
				opposition	-5122 Sep 01 j 06:47	29° $\overline{3}$ 54'43	-0°57'00
conjunction	-5128 Feb 01 j 01:29	3° $\overline{3}$ 42'12	-0°43'35	min. Earth dist.	-5122 Sep 01 j 01:07	29° $\overline{3}$ 55'19	18.78555 AU
minimum elong	-5128 Feb 01 j 01:29	3° $\overline{3}$ 42'12	0°43'52	direct	-5122 Nov 14 j 20:27	27° $\overline{3}$ 56'23	
max. Earth dist.	-5128 Feb 01 j 20:34	3° $\overline{3}$ 44'54	21.06657 AU		-5121 Jan 26 j 06:14	0° \approx	
morning rise	-5128 Feb 17 j 11:50	4° $\overline{3}$ 37'40		evening set	-5121 Feb 13 j 10:29	0° \approx 58'25	
retrograde	-5128 May 22 j 08:56	7° $\overline{3}$ 44'42					
opposition	-5128 Aug 07 j 20:17	5° $\overline{3}$ 44'59	-0°49'15	conjunction	-5121 Mar 01 j 23:44	1° \approx 54'53	-0°51'41
min. Earth dist.	-5128 Aug 07 j 04:23	5° $\overline{3}$ 46'37	19.05095 AU	minimum elong	-5121 Mar 01 j 23:44	1° \approx 54'53	0°51'56
direct	-5128 Oct 21 j 12:06	3° $\overline{3}$ 48'26		max. Earth dist.	-5121 Mar 02 j 05:21	1° \approx 55'42	20.75858 AU
evening set	-5127 Jan 19 j 02:19	6° $\overline{3}$ 46'14		morning rise	-5121 Mar 18 j 15:55	2° \approx 51'47	
				retrograde	-5121 Jun 21 j 04:45	6° \approx 01'10	
conjunction	-5127 Feb 04 j 09:38	7° $\overline{3}$ 41'18	-0°45'26	opposition	-5121 Sep 05 j 13:24	4° \approx 00'39	-0°57'21
minimum elong	-5127 Feb 04 j 09:38	7° $\overline{3}$ 41'18	0°45'43	min. Earth dist.	-5121 Sep 05 j 08:53	4° \approx 01'07	18.73111 AU
max. Earth dist.	-5127 Feb 05 j 03:08	7° $\overline{3}$ 43'47	21.03361 AU	direct	-5121 Nov 19 j 04:20	2° \approx 02'00	
morning rise	-5127 Feb 20 j 20:53	8° $\overline{3}$ 36'55		evening set	-5120 Feb 17 j 22:35	5° \approx 05'02	
retrograde	-5127 May 26 j 18:31	11° $\overline{3}$ 44'11					
min. Earth dist.	-5127 Aug 11 j 10:29	9° $\overline{3}$ 45'52	19.01561 AU	conjunction	-5120 Mar 05 j 12:41	6° \approx 01'46	-0°51'51
opposition	-5127 Aug 12 j 01:38	9° $\overline{3}$ 44'20	-0°51'10	minimum elong	-5120 Mar 05 j 12:42	6° \approx 01'46	0°52'06
direct	-5127 Oct 25 j 17:34	7° $\overline{3}$ 47'29		max. Earth dist.	-5120 Mar 05 j 16:15	6° \approx 02'17	20.70273 AU
evening set	-5126 Jan 23 j 10:09	10° $\overline{3}$ 45'48		morning rise	-5120 Mar 22 j 05:29	6° \approx 58'55	
				retrograde	-5120 Jun 24 j 15:14	10° \approx 08'48	
conjunction	-5126 Feb 08 j 18:25	11° $\overline{3}$ 41'04	-0°47'03	opposition	-5120 Sep 08 j 20:44	8° \approx 08'12	-0°57'24
minimum elong	-5126 Feb 08 j 18:25	11° $\overline{3}$ 41'04	0°47'20	min. Earth dist.	-5120 Sep 08 j 18:57	8° \approx 08'24	18.67386 AU
max. Earth dist.	-5126 Feb 09 j 09:56	11° $\overline{3}$ 43'16	20.99606 AU	direct	-5120 Nov 22 j 10:40	6° \approx 09'16	
morning rise	-5126 Feb 25 j 06:36	12° $\overline{3}$ 36'53		evening set	-5119 Feb 21 j 11:24	9° \approx 13'19	
retrograde	-5126 May 31 j 02:01	15° $\overline{3}$ 44'23					
opposition	-5126 Aug 16 j 07:03	13° $\overline{3}$ 44'23	-0°52'51	conjunction	-5119 Mar 10 j 02:23	10° \approx 10'21	-0°51'45
min. Earth dist.	-5126 Aug 15 j 18:33	13° $\overline{3}$ 45'40	18.97606 AU	minimum elong	-5119 Mar 10 j 02:23	10° \approx 10'21	0°51'59
direct	-5126 Oct 29 j 21:39	11° $\overline{3}$ 47'15		max. Earth dist.	-5119 Mar 10 j 03:18	10° \approx 10'29	20.64415 AU
evening set	-5125 Jan 27 j 18:28	14° $\overline{3}$ 46'09		morning rise	-5119 Mar 26 j 19:52	11° \approx 07'44	
				retrograde	-5119 Jun 29 j 04:38	14° \approx 18'09	
conjunction	-5125 Feb 13 j 03:50	15° $\overline{3}$ 41'37	-0°48'28	opposition	-5119 Sep 13 j 04:28	12° \approx 17'30	-0°57'10
minimum elong	-5125 Feb 13 j 03:50	15° $\overline{3}$ 41'37	0°48'44	min. Earth dist.	-5119 Sep 13 j 04:08	12° \approx 17'32	18.61372 AU
max. Earth dist.	-5125 Feb 13 j 17:35	15° $\overline{3}$ 43'35	20.95474 AU	direct	-5119 Nov 26 j 19:34	10° \approx 18'12	
morning rise	-5125 Mar 01 j 16:54	16° $\overline{3}$ 37'38		evening set	-5118 Feb 26 j 01:26	13° \approx 23'22	
retrograde	-5125 Jun 04 j 12:29	19° $\overline{3}$ 45'26					
opposition	-5125 Aug 20 j 12:33	17° $\overline{3}$ 45'17	-0°54'17	conjunction	-5118 Mar 14 j 17:15	14° \approx 20'41	-0°51'23
min. Earth dist.	-5125 Aug 20 j 00:52	17° $\overline{3}$ 46'29	18.93293 AU	minimum elong	-5118 Mar 14 j 17:15	14° \approx 20'41	0°51'36
direct	-5125 Nov 03 j 04:04	15° $\overline{3}$ 47'51		max. Earth dist.	-5118 Mar 14 j 15:52	14° \approx 20'29	20.58234 AU
evening set	-5124 Feb 01 j 03:25	18° $\overline{3}$ 47'25			-5118 Mar 26 j 02:04	15° \approx	
				morning rise	-5118 Mar 31 j 11:12	15° \approx 18'20	
conjunction	-5124 Feb 17 j 13:42	19° $\overline{3}$ 43'07	-0°49'38	retrograde	-5118 Jul 03 j 16:43	18° \approx 29'16	
minimum elong	-5124 Feb 17 j 13:42	19° $\overline{3}$ 43'07	0°49'55	opposition	-5118 Sep 17 j 12:47	16° \approx 28'32	-0°56'37
max. Earth dist.	-5124 Feb 18 j 01:29	19° $\overline{3}$ 44'48	20.90986 AU	min. Earth dist.	-5118 Sep 17 j 15:22	16° \approx 28'15	18.55029 AU
morning rise	-5124 Mar 05 j 03:34	20° $\overline{3}$ 39'20			-5118 Oct 27 j 00:18	15° \overline{R} \approx	
retrograde	-5124 Jun 07 j 20:11	23° $\overline{3}$ 47'28		direct	-5118 Dec 01 j 03:25	14° \approx 28'52	
opposition	-5124 Aug 23 j 18:22	21° $\overline{3}$ 47'12	-0°55'28		-5117 Jan 04 j 20:16	15° \approx	
min. Earth dist.	-5124 Aug 23 j 09:12	21° $\overline{3}$ 48'09	18.88654 AU	evening set	-5117 Mar 02 j 16:25	17° \approx 35'10	
direct	-5124 Nov 06 j 08:09	19° $\overline{3}$ 49'28					
evening set	-5123 Feb 04 j 12:58	22° $\overline{3}$ 49'47		conjunction	-5117 Mar 19 j 08:58	18° \approx 32'47	-0°50'44
				minimum elong	-5117 Mar 19 j 08:58	18° \approx 32'47	0°50'57
conjunction	-5123 Feb 21 j 00:17	23° $\overline{3}$ 45'43	-0°50'34	max. Earth dist.	-5117 Mar 19 j 04:22	18° \approx 32'07	20.51737 AU
minimum elong	-5123 Feb 21 j 00:17	23° $\overline{3}$ 45'43	0°50'49	morning rise	-5117 Apr 05 j 03:29	19° \approx 30'42	
max. Earth dist.	-5123 Feb 21 j 10:10	23° $\overline{3}$ 47'08	20.86216 AU	retrograde	-5117 Jul 08 j 07:24	22° \approx 42'11	
morning rise	-5123 Mar 09 j 14:58	24° $\overline{3}$ 42'09		opposition	-5117 Sep 21 j 21:42	20° \approx 41'19	-0°55'45
retrograde	-5123 Jun 12 j 07:39	27° $\overline{3}$ 50'40		min. Earth dist.	-5117 Sep 22 j 01:56	20° \approx 40'52	18.48371 AU
opposition	-5123 Aug 28 j 00:19	25° $\overline{3}$ 50'17	-0°56'22	direct	-5117 Dec 05 j 13:52	18° \approx 41'15	
min. Earth dist.	-5123 Aug 27 j 16:02	25° $\overline{3}$ 51'09	18.83742 AU	evening set	-5116 Mar 06 j 08:08	21° \approx 48'43	
direct	-5123 Nov 10 j 15:26	23° $\overline{3}$ 52'15					
evening set	-5122 Feb 08 j 23:17	26° $\overline{3}$ 53'23		conjunction	-5116 Mar 23 j 01:26	22° \approx 46'38	-0°49'48

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Attention, astronomical year style is used: The year -5116 in astronomical counting style is the year 5117 BCE in historical counting style.

minimum elong	-5116 Mar 23 j 01:26	22° \approx 46'38	0°49'59	opposition	-5110 Oct 21 j 05:43	21° \mathbb{H} 00'01	-0°41'13
max. Earth dist.	-5116 Mar 22 j 18:41	22° \approx 45'40	20.44917 AU	min. Earth dist.	-5110 Oct 21 j 23:28	20° \mathbb{H} 58'06	17.97542 AU
morning rise	-5116 Apr 08 j 20:14	23° \approx 44'49		direct	-5109 Jan 04 j 06:33	18° \mathbb{H} 56'47	
retrograde	-5116 Jul 11 j 20:32	26° \approx 56'50		evening set	-5109 Apr 07 j 23:39	22° \mathbb{H} 13'21	
opposition	-5116 Sep 25 j 07:18	24° \approx 55'50	-0°54'35				
min. Earth dist.	-5116 Sep 25 j 14:14	24° \approx 55'06	18.41410 AU	conjunction	-5109 Apr 24 j 19:50	23° \mathbb{H} 13'23	-0°35'40
direct	-5116 Dec 08 j 23:22	22° \approx 55'20		minimum elong	-5109 Apr 24 j 19:50	23° \mathbb{H} 13'23	0°35'43
evening set	-5115 Mar 11 j 00:51	26° \approx 04'00		max. Earth dist.	-5109 Apr 23 j 20:48	23° \mathbb{H} 09'56	19.94014 AU
				morning rise	-5109 May 11 j 15:23	24° \mathbb{H} 13'21	
conjunction	-5115 Mar 27 j 18:45	27° \approx 02'13	-0°48'35	retrograde	-5109 Aug 12 j 16:13	27° \mathbb{H} 29'29	
minimum elong	-5115 Mar 27 j 18:45	27° \approx 02'13	0°48'46	opposition	-5109 Oct 26 j 20:13	25° \mathbb{H} 27'27	-0°37'59
max. Earth dist.	-5115 Mar 27 j 08:42	27° \approx 00'45	20.37847 AU	min. Earth dist.	-5109 Oct 26 j 15:25	25° \mathbb{H} 25'22	17.90559 AU
morning rise	-5115 Apr 13 j 14:01	28° \approx 00'39		direct	-5108 Jan 08 j 22:06	23° \mathbb{H} 23'50	
	-5115 May 22 j 19:11	0° \mathbb{H}		evening set	-5108 Apr 11 j 22:19	26° \mathbb{H} 41'48	
retrograde	-5115 Jul 16 j 12:11	1° \mathbb{H} 13'14					
	-5115 Sep 10 j 09:08	30° \mathbb{R} \approx		conjunction	-5108 Apr 28 j 18:45	27° \mathbb{H} 42'07	-0°32'38
opposition	-5115 Sep 29 j 17:16	29° \approx 12'03	-0°53'06	minimum elong	-5108 Apr 28 j 18:45	27° \mathbb{H} 42'07	0°32'40
min. Earth dist.	-5115 Sep 30 j 01:54	29° \approx 11'08	18.34232 AU	max. Earth dist.	-5108 Apr 27 j 19:19	27° \mathbb{H} 38'36	19.87136 AU
direct	-5115 Dec 13 j 11:16	27° \approx 11'05		morning rise	-5108 May 15 j 13:51	28° \mathbb{H} 42'19	
	-5114 Mar 09 j 13:47	0° \mathbb{H}			-5108 Jun 07 j 21:25	0° \mathbb{Y}	
evening set	-5114 Mar 15 j 18:25	0° \mathbb{H} 21'00		retrograde	-5108 Aug 16 j 12:01	1° \mathbb{Y} 59'05	
					-5108 Oct 28 j 08:03	30° \mathbb{R} \mathbb{H}	
conjunction	-5114 Apr 01 j 13:02	1° \mathbb{H} 19'32	-0°47'06	opposition	-5108 Oct 29 j 11:33	29° \mathbb{H} 57'01	-0°34'31
minimum elong	-5114 Apr 01 j 13:02	1° \mathbb{H} 19'32	0°47'15	min. Earth dist.	-5108 Oct 30 j 07:54	29° \mathbb{H} 54'48	17.83797 AU
max. Earth dist.	-5114 Apr 01 j 01:11	1° \mathbb{H} 17'48	20.30573 AU	direct	-5107 Jan 12 j 15:41	27° \mathbb{H} 53'05	
morning rise	-5114 Apr 18 j 08:26	2° \mathbb{H} 18'14			-5107 Mar 26 j 08:26	0° \mathbb{Y}	
retrograde	-5114 Jul 21 j 02:37	5° \mathbb{H} 31'21		evening set	-5107 Apr 16 j 22:14	1° \mathbb{Y} 12'26	
opposition	-5114 Oct 04 j 04:01	3° \mathbb{H} 30'01	-0°51'18				
min. Earth dist.	-5114 Oct 04 j 15:08	3° \mathbb{H} 28'49	18.26886 AU	conjunction	-5107 May 03 j 18:28	2° \mathbb{Y} 13'02	-0°29'23
direct	-5114 Dec 17 j 22:35	1° \mathbb{H} 28'34		minimum elong	-5107 May 03 j 18:28	2° \mathbb{Y} 13'02	0°29'24
evening set	-5113 Mar 20 j 12:59	4° \mathbb{H} 39'45		max. Earth dist.	-5107 May 02 j 16:17	2° \mathbb{Y} 09'04	19.80500 AU
				morning rise	-5107 May 20 j 13:22	3° \mathbb{Y} 13'27	
conjunction	-5113 Apr 06 j 07:58	5° \mathbb{H} 38'35	-0°45'20	retrograde	-5107 Aug 21 j 06:44	6° \mathbb{Y} 30'51	
minimum elong	-5113 Apr 06 j 07:58	5° \mathbb{H} 38'35	0°45'27	opposition	-5107 Nov 03 j 03:39	4° \mathbb{Y} 28'45	-0°30'47
max. Earth dist.	-5113 Apr 05 j 16:56	5° \mathbb{H} 36'22	20.23186 AU	min. Earth dist.	-5107 Nov 04 j 01:44	4° \mathbb{Y} 26'21	17.77289 AU
morning rise	-5113 Apr 23 j 03:41	6° \mathbb{H} 37'33		direct	-5106 Jan 17 j 09:11	2° \mathbb{Y} 24'30	
retrograde	-5113 Jul 25 j 18:59	9° \mathbb{H} 51'15		evening set	-5106 Apr 21 j 22:58	5° \mathbb{Y} 45'17	
opposition	-5113 Oct 08 j 15:17	7° \mathbb{H} 49'43	-0°49'13				
min. Earth dist.	-5113 Oct 09 j 04:00	7° \mathbb{H} 48'21	18.19474 AU	conjunction	-5106 May 08 j 19:13	6° \mathbb{Y} 46'07	-0°25'55
direct	-5113 Dec 22 j 11:52	5° \mathbb{H} 47'47		minimum elong	-5106 May 08 j 19:14	6° \mathbb{Y} 46'07	0°25'54
evening set	-5112 Mar 24 j 08:15	9° \mathbb{H} 00'17		max. Earth dist.	-5106 May 07 j 16:36	6° \mathbb{Y} 42'05	19.74104 AU
max. Earth dist.	-5112 Apr 09 j 11:33	9° \mathbb{H} 57'02	20.15757 AU	morning rise	-5106 May 25 j 13:31	7° \mathbb{Y} 46'44	
				retrograde	-5106 Aug 26 j 03:58	11° \mathbb{Y} 04'45	
conjunction	-5112 Apr 10 j 03:48	9° \mathbb{H} 59'26	-0°43'18	opposition	-5106 Nov 07 j 20:49	9° \mathbb{Y} 02'40	-0°26'50
minimum elong	-5112 Apr 10 j 03:48	9° \mathbb{H} 59'26	0°43'25	min. Earth dist.	-5106 Nov 08 j 19:50	9° \mathbb{Y} 00'10	17.71004 AU
morning rise	-5112 Apr 26 j 23:27	10° \mathbb{H} 58'39		direct	-5105 Jan 22 j 05:22	6° \mathbb{Y} 58'08	
retrograde	-5112 Jul 29 j 10:56	14° \mathbb{H} 12'55		evening set	-5105 Apr 27 j 00:38	10° \mathbb{Y} 20'16	
opposition	-5112 Oct 12 j 03:22	12° \mathbb{H} 11'15	-0°46'50				
min. Earth dist.	-5112 Oct 12 j 18:03	12° \mathbb{H} 09'40	18.12060 AU	conjunction	-5105 May 13 j 20:27	11° \mathbb{Y} 21'20	-0°22'16
direct	-5112 Dec 26 j 00:56	10° \mathbb{H} 08'51		minimum elong	-5105 May 13 j 20:28	11° \mathbb{Y} 21'20	0°22'14
evening set	-5111 Mar 29 j 04:24	13° \mathbb{H} 22'40		max. Earth dist.	-5105 May 12 j 15:16	11° \mathbb{Y} 16'54	19.67928 AU
max. Earth dist.	-5111 Apr 14 j 04:54	14° \mathbb{H} 19'15	20.08381 AU	morning rise	-5105 May 30 j 14:14	12° \mathbb{Y} 22'09	
				retrograde	-5105 Aug 30 j 23:42	15° \mathbb{Y} 40'46	
conjunction	-5111 Apr 15 j 00:11	14° \mathbb{H} 22'07	-0°41'00	opposition	-5105 Nov 12 j 14:57	13° \mathbb{Y} 38'40	-0°22'41
minimum elong	-5111 Apr 15 j 00:11	14° \mathbb{H} 22'07	0°41'05	min. Earth dist.	-5105 Nov 13 j 15:49	13° \mathbb{Y} 35'57	17.64954 AU
morning rise	-5111 May 01 j 20:02	15° \mathbb{H} 21'36		direct	-5104 Jan 27 j 01:22	11° \mathbb{Y} 33'49	
retrograde	-5111 Aug 03 j 04:16	18° \mathbb{H} 36'29		evening set	-5104 May 01 j 02:56	14° \mathbb{Y} 57'17	
opposition	-5111 Oct 16 j 16:10	16° \mathbb{H} 34'39	-0°44'10				
min. Earth dist.	-5111 Oct 17 j 08:21	16° \mathbb{H} 32'54	18.04736 AU	conjunction	-5104 May 17 j 22:31	15° \mathbb{Y} 58'34	-0°18'27
direct	-5111 Dec 30 j 15:20	14° \mathbb{H} 31'49		minimum elong	-5104 May 17 j 22:32	15° \mathbb{Y} 58'34	0°18'23
evening set	-5110 Apr 03 j 01:30	17° \mathbb{H} 47'00		max. Earth dist.	-5104 May 16 j 16:52	15° \mathbb{Y} 54'02	19.61987 AU
				morning rise	-5104 Jun 03 j 15:33	16° \mathbb{Y} 59'33	
conjunction	-5110 Apr 19 j 21:42	18° \mathbb{H} 46'45	-0°38'27	retrograde	-5104 Sep 03 j 22:08	20° \mathbb{Y} 18'43	
minimum elong	-5110 Apr 19 j 21:42	18° \mathbb{H} 46'45	0°38'32	opposition	-5104 Nov 16 j 09:55	18° \mathbb{Y} 16'36	-0°18'20
max. Earth dist.	-5110 Apr 19 j 01:35	18° \mathbb{H} 43'45	20.01109 AU	min. Earth dist.	-5104 Nov 17 j 11:17	18° \mathbb{Y} 13'50	17.59129 AU
morning rise	-5110 May 06 j 17:17	19° \mathbb{H} 46'28		direct	-5103 Jan 31 j 00:05	16° \mathbb{Y} 11'29	
retrograde	-5110 Aug 07 j 22:06	23° \mathbb{H} 01'58		evening set	-5103 May 06 j 06:01	19° \mathbb{Y} 36'10	

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Attention, astronomical year style is used: The year -5103 in astronomical counting style is the year 5104 BCE in historical counting style.

max. Earth dist.	-5103 May 21 j 17:17	20° Υ 32'46	19.56280 AU	behind sun end	-5098 Jun 17 j 01:25	14° \mathcal{B} 15'21	
					-5098 Jun 28 j 23:15	15° \mathcal{B}	
conjunction	-5103 May 23 j 01:05	20° Υ 37'39	-0°14'28	morning rise	-5098 Jul 03 j 06:32	15° \mathcal{B} 15'54	
minimum elong	-5103 May 23 j 01:05	20° Υ 37'39	0°14'23	retrograde	-5098 Oct 02 j 17:51	18° \mathcal{B} 37'30	
behind sun begin	-5103 May 22 j 22:12	20° Υ 37'13		opposition	-5098 Dec 14 j 21:11	16° \mathcal{B} 35'04	0°09'42
behind sun end	-5103 May 23 j 03:57	20° Υ 38'05		min. Earth dist.	-5098 Dec 16 j 01:21	16° \mathcal{B} 31'59	17.31419 AU
morning rise	-5103 Jun 08 j 17:25	21° Υ 38'47			-5097 Jan 24 j 22:04	15° \mathcal{R} \mathcal{B}	
retrograde	-5103 Sep 08 j 19:11	24° Υ 58'28		direct	-5097 Mar 01 j 03:39	14° \mathcal{B} 28'20	
opposition	-5103 Nov 21 j 05:54	22° Υ 56'19	-0°13'51		-5097 Apr 04 j 21:47	15° \mathcal{B}	
min. Earth dist.	-5103 Nov 22 j 09:06	22° Υ 53'21	17.53561 AU	evening set	-5097 Jun 05 j 08:52	17° \mathcal{B} 58'44	
direct	-5102 Feb 04 j 22:01	20° Υ 50'52					
evening set	-5102 May 11 j 09:40	24° Υ 16'46		conjunction	-5097 Jun 21 j 23:05	19° \mathcal{B} 00'48	0°10'52
max. Earth dist.	-5102 May 26 j 19:56	25° Υ 13'25	19.50849 AU	minimum elong	-5097 Jun 21 j 23:05	19° \mathcal{B} 00'48	0°11'04
				behind sun begin	-5097 Jun 21 j 18:05	19° \mathcal{B} 00'02	
conjunction	-5102 May 28 j 04:13	25° Υ 18'24	-0°10'24	behind sun end	-5097 Jun 22 j 04:06	19° \mathcal{B} 01'34	
minimum elong	-5102 May 28 j 04:13	25° Υ 18'24	0°10'18	max. Earth dist.	-5097 Jun 20 j 14:24	18° \mathcal{B} 55'39	19.29876 AU
behind sun begin	-5102 May 27 j 22:54	25° Υ 17'36		morning rise	-5097 Jul 08 j 09:06	20° \mathcal{B} 02'18	
behind sun end	-5102 May 28 j 09:31	25° Υ 19'12		retrograde	-5097 Oct 07 j 16:56	23° \mathcal{B} 24'09	
morning rise	-5102 Jun 13 j 19:40	26° Υ 19'39		opposition	-5097 Dec 19 j 21:42	21° \mathcal{B} 21'43	0°14'23
retrograde	-5102 Sep 13 j 18:50	29° Υ 39'49		min. Earth dist.	-5097 Dec 21 j 02:20	21° \mathcal{B} 18'35	17.28591 AU
opposition	-5102 Nov 26 j 02:34	27° Υ 37'37	-0°09'14	direct	-5096 Mar 05 j 05:04	19° \mathcal{B} 14'51	
min. Earth dist.	-5102 Nov 27 j 05:47	27° Υ 34'38	17.48280 AU	evening set	-5096 Jun 09 j 14:01	22° \mathcal{B} 45'51	
direct	-5101 Feb 09 j 22:41	25° Υ 31'53		max. Earth dist.	-5096 Jun 24 j 18:16	23° \mathcal{B} 42'45	19.27381 AU
evening set	-5101 May 16 j 13:52	28° Υ 58'51					
max. Earth dist.	-5101 May 31 j 22:15	29° Υ 55'27	19.45735 AU	conjunction	-5096 Jun 26 j 02:59	23° \mathcal{B} 47'54	0°15'01
				minimum elong	-5096 Jun 26 j 02:59	23° \mathcal{B} 47'54	0°15'14
conjunction	-5101 Jun 02 j 07:42	0° \mathcal{B} 00'38	-0°06'14	behind sun begin	-5096 Jun 26 j 00:59	23° \mathcal{B} 47'36	
minimum elong	-5101 Jun 02 j 07:41	0° \mathcal{B} 00'38	0°06'06	behind sun end	-5096 Jun 26 j 04:58	23° \mathcal{B} 48'13	
behind sun begin	-5101 Jun 02 j 01:16	29° Υ 59'40		morning rise	-5096 Jul 12 j 11:54	24° \mathcal{B} 49'23	
behind sun end	-5101 Jun 02 j 14:07	0° \mathcal{B} 01'36		retrograde	-5096 Oct 11 j 18:17	28° \mathcal{B} 11'28	
	-5101 Jun 02 j 03:24	0° \mathcal{B}		opposition	-5096 Dec 23 j 22:31	26° \mathcal{B} 09'02	0°18'59
morning rise	-5101 Jun 18 j 22:11	1° \mathcal{B} 01'59		min. Earth dist.	-5096 Dec 25 j 01:37	26° \mathcal{B} 06'05	17.26434 AU
retrograde	-5101 Sep 18 j 17:09	4° \mathcal{B} 22'34		direct	-5095 Mar 10 j 09:50	24° \mathcal{B} 02'06	
opposition	-5101 Dec 01 j 00:15	2° \mathcal{B} 20'19	-0°04'33	evening set	-5095 Jun 14 j 19:02	27° \mathcal{B} 33'37	
min. Earth dist.	-5101 Dec 02 j 04:59	2° \mathcal{B} 17'10	17.43365 AU	max. Earth dist.	-5095 Jun 30 j 00:14	28° \mathcal{B} 30'47	19.25559 AU
direct	-5100 Feb 14 j 21:47	0° \mathcal{B} 14'17					
evening set	-5100 May 20 j 18:10	3° \mathcal{B} 42'15		conjunction	-5095 Jul 01 j 07:00	28° \mathcal{B} 35'39	0°19'05
max. Earth dist.	-5100 Jun 05 j 01:34	4° \mathcal{B} 38'55	19.41025 AU	minimum elong	-5095 Jul 01 j 07:00	28° \mathcal{B} 35'39	0°19'18
				morning rise	-5095 Jul 17 j 14:29	29° \mathcal{B} 37'03	
conjunction	-5100 Jun 06 j 11:14	4° \mathcal{B} 44'09	-0°01'59		-5095 Jul 23 j 21:00	0° \mathcal{I}	
minimum elong	-5100 Jun 06 j 11:14	4° \mathcal{B} 44'09	0°01'51	retrograde	-5095 Oct 16 j 17:59	2° \mathcal{I} 59'20	
behind sun begin	-5100 Jun 06 j 04:28	4° \mathcal{B} 43'08		opposition	-5095 Dec 29 j 00:12	0° \mathcal{I} 56'59	0°23'28
behind sun end	-5100 Jun 06 j 18:00	4° \mathcal{B} 45'11		min. Earth dist.	-5095 Dec 30 j 03:15	0° \mathcal{I} 54'02	17.24949 AU
morning rise	-5100 Jun 23 j 00:49	5° \mathcal{B} 45'35			-5094 Jan 20 j 14:10	30° \mathcal{R} \mathcal{B}	
retrograde	-5100 Sep 22 j 17:52	9° \mathcal{B} 06'34		direct	-5094 Mar 15 j 12:33	28° \mathcal{B} 50'03	
asc. node	-5100 Nov 19 j 18:14	7° \mathcal{B} 43'24			-5094 May 06 j 22:54	0° \mathcal{I}	
opposition	-5100 Dec 04 j 22:28	7° \mathcal{B} 04'14	0°00'12	evening set	-5094 Jun 20 j 00:07	2° \mathcal{I} 21'58	
min. Earth dist.	-5100 Dec 06 j 02:38	7° \mathcal{B} 01'09	17.38869 AU	max. Earth dist.	-5094 Jul 05 j 04:01	3° \mathcal{I} 19'04	19.24419 AU
direct	-5099 Feb 18 j 23:57	4° \mathcal{B} 57'56					
evening set	-5099 May 25 j 22:56	8° \mathcal{B} 26'48		conjunction	-5094 Jul 06 j 10:39	3° \mathcal{I} 23'55	0°23'02
max. Earth dist.	-5099 Jun 10 j 05:27	9° \mathcal{B} 23'32	19.36759 AU	minimum elong	-5094 Jul 06 j 10:38	3° \mathcal{I} 23'55	0°23'17
				morning rise	-5094 Jul 22 j 16:59	4° \mathcal{I} 25'16	
conjunction	-5099 Jun 11 j 15:11	9° \mathcal{B} 28'48	0°02'24	retrograde	-5094 Oct 21 j 19:39	7° \mathcal{I} 47'42	
minimum elong	-5099 Jun 11 j 15:11	9° \mathcal{B} 28'48	0°02'34	opposition	-5093 Jan 03 j 02:18	5° \mathcal{I} 45'26	0°27'48
behind sun begin	-5099 Jun 11 j 08:26	9° \mathcal{B} 27'46		min. Earth dist.	-5093 Jan 04 j 03:46	5° \mathcal{I} 42'40	17.24142 AU
behind sun end	-5099 Jun 11 j 21:55	9° \mathcal{B} 29'50		direct	-5093 Mar 20 j 18:19	3° \mathcal{I} 38'34	
morning rise	-5099 Jun 28 j 03:35	10° \mathcal{B} 30'17		evening set	-5093 Jun 25 j 04:53	7° \mathcal{I} 10'47	
retrograde	-5099 Sep 27 j 16:31	13° \mathcal{B} 51'35		max. Earth dist.	-5093 Jul 10 j 10:09	8° \mathcal{I} 08'11	19.23934 AU
opposition	-5099 Dec 09 j 21:29	11° \mathcal{B} 49'12	0°04'58				
min. Earth dist.	-5099 Dec 11 j 02:49	11° \mathcal{B} 45'59	17.34865 AU	conjunction	-5093 Jul 11 j 14:17	8° \mathcal{I} 12'39	0°26'50
direct	-5098 Feb 23 j 23:58	9° \mathcal{B} 42'40		minimum elong	-5093 Jul 11 j 14:17	8° \mathcal{I} 12'39	0°27'05
evening set	-5098 May 31 j 03:58	13° \mathcal{B} 12'21		morning rise	-5093 Jul 27 j 19:09	9° \mathcal{I} 13'53	
max. Earth dist.	-5098 Jun 15 j 09:16	14° \mathcal{B} 09'05	19.33028 AU	retrograde	-5093 Oct 26 j 19:51	12° \mathcal{I} 36'25	
				opposition	-5092 Jan 08 j 05:00	10° \mathcal{I} 34'18	0°31'57
conjunction	-5098 Jun 16 j 19:09	14° \mathcal{B} 14'24	0°06'40	min. Earth dist.	-5092 Jan 09 j 05:55	10° \mathcal{I} 31'36	17.23966 AU
minimum elong	-5098 Jun 16 j 19:09	14° \mathcal{B} 14'24	0°06'51	direct	-5092 Mar 24 j 22:27	8° \mathcal{I} 27'33	
behind sun begin	-5098 Jun 16 j 12:53	14° \mathcal{B} 13'26		evening set	-5092 Jun 29 j 09:29	11° \mathcal{I} 59'54	

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Attention, astronomical year style is used: The year -5092 in astronomical counting style is the year 5093 BCE in historical counting style.

conjunction	-5092 Jul 15 j 17:25	13°II01'39	0°30'27	retrograde	-5086 Nov 29 j 00:36	16°☾10'30	
minimum elong	-5092 Jul 15 j 17:25	13°II01'39	0°30'42	opposition	-5085 Feb 11 j 06:22	14°☾09'02	0°53'09
max. Earth dist.	-5092 Jul 14 j 13:32	12°II57'13	19.24064 AU	min. Earth dist.	-5085 Feb 11 j 21:02	14°☾07'28	17.37343 AU
morning rise	-5092 Jul 31 j 21:07	14°II02'46		direct	-5085 Apr 29 j 09:31	12°☾03'30	
retrograde	-5092 Oct 30 j 21:17	17°II25'22		evening set	-5085 Aug 03 j 02:58	15°☾33'09	
opposition	-5091 Jan 12 j 08:02	15°II23'22	0°35'52	max. Earth dist.	-5085 Aug 18 j 11:23	16°☾31'07	19.39182 AU
min. Earth dist.	-5091 Jan 13 j 07:35	15°II20'49	17.24386 AU				
direct	-5091 Mar 30 j 04:16	13°II16'45		conjunction	-5085 Aug 19 j 01:41	16°☾33'23	0°48'27
evening set	-5091 Jul 04 j 13:44	16°II49'08		minimum elong	-5085 Aug 19 j 01:41	16°☾33'23	0°48'43
				morning rise	-5085 Sep 03 j 20:57	17°☾33'06	
conjunction	-5091 Jul 20 j 20:27	17°II50'44	0°33'51	retrograde	-5085 Dec 04 j 00:57	20°☾54'23	
minimum elong	-5091 Jul 20 j 20:27	17°II50'44	0°34'08	opposition	-5084 Feb 16 j 09:35	18°☾52'57	0°54'48
max. Earth dist.	-5091 Jul 19 j 19:05	17°II46'42	19.24754 AU	min. Earth dist.	-5084 Feb 16 j 21:06	18°☾51'43	17.41192 AU
morning rise	-5091 Aug 05 j 22:42	18°II51'42		direct	-5084 May 03 j 15:45	16°☾47'40	
retrograde	-5091 Nov 04 j 22:06	22°II14'18		evening set	-5084 Aug 07 j 02:10	20°☾16'24	
opposition	-5090 Jan 17 j 11:26	20°II12'26	0°39'33				
min. Earth dist.	-5090 Jan 18 j 09:55	20°II10'00	17.25332 AU	conjunction	-5084 Aug 22 j 23:47	21°☾16'22	0°49'46
direct	-5090 Apr 04 j 09:45	18°II05'59		minimum elong	-5084 Aug 22 j 23:47	21°☾16'22	0°50'03
evening set	-5090 Jul 09 j 17:45	21°II38'15		max. Earth dist.	-5084 Aug 22 j 12:18	21°☾14'33	19.43287 AU
				morning rise	-5084 Sep 07 j 18:01	22°☾15'50	
conjunction	-5090 Jul 25 j 22:56	22°II39'40	0°37'00	retrograde	-5084 Dec 07 j 21:51	25°☾36'42	
minimum elong	-5090 Jul 25 j 22:56	22°II39'40	0°37'16	opposition	-5083 Feb 20 j 12:45	23°☾35'19	0°56'05
max. Earth dist.	-5090 Jul 24 j 22:09	22°II35'43	19.25961 AU	min. Earth dist.	-5083 Feb 20 j 22:51	23°☾34'15	17.45560 AU
morning rise	-5090 Aug 10 j 23:58	23°II40'29		direct	-5083 May 08 j 18:16	21°☾30'19	
retrograde	-5090 Nov 09 j 22:58	27°II03'00		evening set	-5083 Aug 12 j 00:30	24°☾58'05	
opposition	-5089 Jan 22 j 15:13	25°II01'15	0°42'56				
min. Earth dist.	-5089 Jan 23 j 12:26	24°II58'58	17.26796 AU	conjunction	-5083 Aug 27 j 20:54	25°☾57'44	0°50'45
direct	-5089 Apr 09 j 14:34	22°II54'57		minimum elong	-5083 Aug 27 j 20:53	25°☾57'44	0°51'01
evening set	-5089 Jul 14 j 20:54	26°II26'58		max. Earth dist.	-5083 Aug 27 j 11:39	25°☾56'16	19.47923 AU
max. Earth dist.	-5089 Jul 30 j 02:36	27°II24'39	19.27666 AU	morning rise	-5083 Sep 12 j 14:18	26°☾56'55	
					-5083 Nov 17 j 17:39	0°♂	
conjunction	-5089 Jul 31 j 00:51	27°II28'11	0°39'54	retrograde	-5083 Dec 12 j 20:48	0°♂17'22	
minimum elong	-5089 Jul 31 j 00:51	27°II28'11	0°40'11		-5082 Jan 07 j 10:55	30°♂☾	
morning rise	-5089 Aug 16 j 00:33	28°II28'49		opposition	-5082 Feb 25 j 15:21	28°☾16'03	0°56'58
	-5089 Sep 11 j 04:59	0°☾		min. Earth dist.	-5082 Feb 25 j 21:48	28°☾15'22	17.50451 AU
retrograde	-5089 Nov 15 j 00:40	1°☾51'13		direct	-5082 May 13 j 23:31	26°☾11'22	
	-5088 Jan 23 j 17:49	30°♂II		evening set	-5082 Aug 16 j 21:50	29°☾38'05	
opposition	-5088 Jan 27 j 19:04	29°II49'34	0°46'00		-5082 Aug 22 j 19:14	0°♂	
min. Earth dist.	-5088 Jan 28 j 14:29	29°II47'29	17.28727 AU				
direct	-5088 Apr 13 j 20:36	27°II43'27		conjunction	-5082 Sep 01 j 17:16	0°♂37'26	0°51'24
	-5088 Jun 27 j 18:39	0°☾		minimum elong	-5082 Sep 01 j 17:16	0°♂37'26	0°51'38
evening set	-5088 Jul 18 j 23:41	1°☾15'03		max. Earth dist.	-5082 Sep 01 j 11:27	0°♂36'31	19.53075 AU
max. Earth dist.	-5088 Aug 03 j 05:08	2°☾12'43	19.29833 AU	morning rise	-5082 Sep 17 j 09:45	1°♂36'21	
				retrograde	-5082 Dec 17 j 16:39	4°♂56'21	
conjunction	-5088 Aug 04 j 02:13	2°☾16'04	0°42'31	opposition	-5081 Mar 02 j 17:46	2°♂55'08	0°57'29
minimum elong	-5088 Aug 04 j 02:13	2°☾16'04	0°42'47	min. Earth dist.	-5081 Mar 02 j 22:35	2°♂54'37	17.55857 AU
morning rise	-5088 Aug 20 j 00:45	3°☾16'29		direct	-5081 May 19 j 00:55	0°♂50'50	
retrograde	-5088 Nov 19 j 00:26	6°☾38'41		evening set	-5081 Aug 21 j 18:11	4°♂16'25	
opposition	-5087 Jan 31 j 22:49	4°☾37'07	0°48'45				
min. Earth dist.	-5087 Feb 01 j 17:12	4°☾35'09	17.31132 AU	conjunction	-5081 Sep 06 j 12:32	5°♂15'27	0°51'42
direct	-5087 Apr 19 j 00:02	2°☾31'11		minimum elong	-5081 Sep 06 j 12:32	5°♂15'27	0°51'57
evening set	-5087 Jul 24 j 01:40	6°☾02'16		max. Earth dist.	-5081 Sep 06 j 08:44	5°♂14'51	19.58732 AU
max. Earth dist.	-5087 Aug 08 j 08:12	7°☾00'04	19.32475 AU	morning rise	-5081 Sep 22 j 04:28	6°♂14'06	
				retrograde	-5081 Dec 22 j 14:37	9°♂33'37	
conjunction	-5087 Aug 09 j 02:56	7°☾03'03	0°44'49	opposition	-5080 Mar 06 j 19:28	7°♂32'32	0°57'37
minimum elong	-5087 Aug 09 j 02:56	7°☾03'03	0°45'05	min. Earth dist.	-5080 Mar 06 j 20:40	7°♂32'24	17.61731 AU
morning rise	-5087 Aug 25 j 00:17	8°☾03'15		direct	-5080 May 23 j 03:28	5°♂28'38	
retrograde	-5087 Nov 24 j 02:14	11°☾25'11		evening set	-5080 Aug 25 j 13:36	8°♂53'03	
opposition	-5086 Feb 06 j 02:36	9°☾23'41	0°51'08				
min. Earth dist.	-5086 Feb 06 j 18:29	9°☾21'59	17.33993 AU	conjunction	-5080 Sep 10 j 07:11	9°♂51'46	0°51'41
direct	-5086 Apr 24 j 06:20	7°☾17'57		minimum elong	-5080 Sep 10 j 07:11	9°♂51'46	0°51'54
evening set	-5086 Jul 29 j 02:46	10°☾48'22		max. Earth dist.	-5080 Sep 10 j 06:57	9°♂51'44	19.64811 AU
max. Earth dist.	-5086 Aug 13 j 10:03	11°☾46'14	19.35577 AU	morning rise	-5080 Sep 25 j 22:20	10°♂50'10	
				retrograde	-5080 Dec 26 j 09:52	14°♂09'10	
conjunction	-5086 Aug 14 j 02:44	11°☾48'53	0°46'48	opposition	-5079 Mar 11 j 20:43	12°♂08'14	0°57'23
minimum elong	-5086 Aug 14 j 02:44	11°☾48'53	0°47'05	min. Earth dist.	-5079 Mar 11 j 20:22	12°♂08'16	17.67993 AU
morning rise	-5086 Aug 29 j 22:57	12°☾48'51		direct	-5079 May 28 j 03:19	10°♂04'47	

Attention, astronomical year style is used: The year -5079 in astronomical counting style is the year 5080 BCE in historical counting style.

evening set	-5079 Aug 30 j 08:14	13°Ω27'58		conjunction	-5073 Oct 11 j 17:25	11°♊14'32	0°42'50
				minimum elong	-5073 Oct 11 j 17:26	11°♊14'32	0°42'56
conjunction	-5079 Sep 15 j 00:50	14°Ω26'23	0°51'19	max. Earth dist.	-5073 Oct 12 j 07:42	11°♊16'43	20.13040 AU
minimum elong	-5079 Sep 15 j 00:50	14°Ω26'23	0°51'32	morning rise	-5073 Oct 27 j 06:55	12°♊11'08	
max. Earth dist.	-5079 Sep 15 j 02:12	14°Ω26'36	19.71252 AU	retrograde	-5072 Jan 27 j 17:54	15°♊26'03	
	-5079 Sep 24 j 00:21	15°Ω		opposition	-5072 Apr 13 j 11:30	13°♊25'53	0°46'17
morning rise	-5079 Sep 30 j 15:36	15°Ω24'30		min. Earth dist.	-5072 Apr 12 j 19:51	13°♊27'29	18.16541 AU
retrograde	-5079 Dec 31 j 06:55	18°Ω42'59		direct	-5072 Jun 29 j 09:06	11°♊25'23	
opposition	-5078 Mar 16 j 21:28	16°Ω42'13	0°56'47	evening set	-5072 Sep 29 j 15:49	14°♊39'03	
min. Earth dist.	-5078 Mar 16 j 17:48	16°Ω42'36	17.74581 AU				
	-5078 May 04 j 05:02	15°♋Ω		conjunction	-5072 Oct 15 j 05:15	15°♊35'23	0°40'30
direct	-5078 Jun 02 j 03:30	14°Ω39'12		minimum elong	-5072 Oct 15 j 05:15	15°♊35'23	0°40'36
	-5078 Jun 30 j 09:54	15°Ω		max. Earth dist.	-5072 Oct 15 j 22:28	15°♊38'00	20.20016 AU
evening set	-5078 Sep 04 j 01:41	18°Ω01'07		morning rise	-5072 Oct 30 j 18:39	16°♊31'44	
				retrograde	-5071 Jan 31 j 08:40	19°♊46'00	
conjunction	-5078 Sep 19 j 17:41	18°Ω59'13	0°50'39	opposition	-5071 Apr 18 j 06:49	17°♊45'53	0°43'34
minimum elong	-5078 Sep 19 j 17:41	18°Ω59'13	0°50'50	min. Earth dist.	-5071 Apr 17 j 13:09	17°♊47'41	18.23488 AU
max. Earth dist.	-5078 Sep 19 j 22:37	18°Ω59'59	19.77963 AU	direct	-5071 Jul 04 j 03:35	15°♊45'44	
morning rise	-5078 Oct 05 j 07:50	19°Ω57'04		evening set	-5071 Oct 04 j 02:57	18°♊58'00	
retrograde	-5077 Jan 05 j 01:30	23°Ω15'01					
opposition	-5077 Mar 21 j 21:45	21°Ω14'23	0°55'50	conjunction	-5071 Oct 19 j 16:04	19°♊54'03	0°37'58
min. Earth dist.	-5077 Mar 21 j 16:28	21°Ω14'56	17.81396 AU	minimum elong	-5071 Oct 19 j 16:04	19°♊54'03	0°38'02
direct	-5077 Jun 07 j 02:11	19°Ω11'51		max. Earth dist.	-5071 Oct 20 j 10:20	19°♊56'49	20.26952 AU
evening set	-5077 Sep 08 j 18:29	22°Ω32'26		morning rise	-5071 Nov 04 j 05:49	20°♊50'12	
				retrograde	-5070 Feb 04 j 23:05	24°♊03'50	
conjunction	-5077 Sep 24 j 09:41	23°Ω30'13	0°49'39	min. Earth dist.	-5070 Apr 22 j 06:03	22°♊05'42	18.30426 AU
minimum elong	-5077 Sep 24 j 09:41	23°Ω30'13	0°49'50	opposition	-5070 Apr 23 j 01:23	22°♊03'44	0°40'37
max. Earth dist.	-5077 Sep 24 j 15:51	23°Ω31'11	19.84871 AU	direct	-5070 Jul 08 j 20:15	20°♊03'56	
morning rise	-5077 Oct 09 j 23:39	24°Ω27'49		evening set	-5070 Oct 08 j 12:56	23°♊14'50	
retrograde	-5076 Jan 09 j 21:24	27°Ω45'11					
opposition	-5076 Mar 25 j 21:04	25°Ω44'42	0°54'32	conjunction	-5070 Oct 24 j 02:11	24°♊10'39	0°35'15
min. Earth dist.	-5076 Mar 25 j 13:02	25°Ω45'32	17.88376 AU	minimum elong	-5070 Oct 24 j 02:11	24°♊10'39	0°35'17
direct	-5076 Jun 11 j 00:25	23°Ω42'36		max. Earth dist.	-5070 Oct 24 j 23:24	24°♊13'51	20.33875 AU
evening set	-5076 Sep 12 j 10:13	27°Ω01'51		morning rise	-5070 Nov 08 j 16:02	25°♊06'34	
				retrograde	-5069 Feb 09 j 13:04	28°♊19'35	
conjunction	-5076 Sep 28 j 01:01	27°Ω59'20	0°48'22	opposition	-5069 Apr 27 j 18:56	26°♊19'32	0°37'29
minimum elong	-5076 Sep 28 j 01:01	27°Ω59'20	0°48'32	min. Earth dist.	-5069 Apr 26 j 21:21	26°♊21'43	18.37335 AU
max. Earth dist.	-5076 Sep 28 j 10:24	28°Ω00'47	19.91891 AU	direct	-5069 Jul 13 j 12:54	24°♊20'06	
morning rise	-5076 Oct 13 j 14:33	28°Ω56'39		evening set	-5069 Oct 12 j 22:27	27°♊29'41	
	-5076 Oct 31 j 21:08	0°♊					
retrograde	-5075 Jan 13 j 14:48	2°♊13'26		conjunction	-5069 Oct 28 j 11:34	28°♊25'15	0°32'21
opposition	-5075 Mar 30 j 19:54	0°♊13'05	0°52'55	minimum elong	-5069 Oct 28 j 11:34	28°♊25'15	0°32'23
min. Earth dist.	-5075 Mar 30 j 10:16	0°♊14'04	17.95422 AU	max. Earth dist.	-5069 Oct 29 j 09:45	28°♊28'35	20.40770 AU
	-5075 Apr 05 j 03:03	30°♋Ω		morning rise	-5069 Nov 13 j 01:53	29°♊21'00	
direct	-5075 Jun 15 j 21:46	28°Ω11'25			-5069 Nov 24 j 10:53	0°♊	
	-5075 Aug 21 j 10:47	0°♊		retrograde	-5068 Feb 14 j 01:14	2°♊33'24	
evening set	-5075 Sep 17 j 01:07	1°♊29'17		opposition	-5068 May 01 j 11:30	0°♊33'25	0°34'10
				min. Earth dist.	-5068 Apr 30 j 12:42	0°♊35'43	18.44225 AU
conjunction	-5075 Oct 02 j 15:14	2°♊26'28	0°46'47		-5068 May 15 j 10:07	30°♋♊	
minimum elong	-5075 Oct 02 j 15:14	2°♊26'28	0°46'55	direct	-5068 Jul 17 j 03:01	28°♊34'20	
max. Earth dist.	-5075 Oct 03 j 01:36	2°♊28'03	19.98955 AU		-5068 Sep 13 j 23:37	0°♊	
morning rise	-5075 Oct 18 j 04:45	3°♊23'32		evening set	-5068 Oct 16 j 07:00	1°♊42'41	
retrograde	-5074 Jan 18 j 09:12	6°♊39'43					
opposition	-5074 Apr 04 j 17:59	4°♊39'27	0°50'59	conjunction	-5068 Oct 31 j 20:23	2°♊38'02	0°29'19
min. Earth dist.	-5074 Apr 04 j 05:59	4°♊40'40	18.02495 AU	minimum elong	-5068 Oct 31 j 20:23	2°♊38'02	0°29'19
direct	-5074 Jun 20 j 18:30	2°♊38'11		max. Earth dist.	-5068 Nov 01 j 21:11	2°♊41'44	20.47631 AU
evening set	-5074 Sep 21 j 14:58	5°♊54'40		morning rise	-5068 Nov 16 j 10:57	3°♊33'35	
				retrograde	-5067 Feb 17 j 14:26	6°♊45'25	
conjunction	-5074 Oct 07 j 04:53	6°♊51'33	0°44'56	min. Earth dist.	-5067 May 05 j 02:16	4°♊48'03	18.51043 AU
minimum elong	-5074 Oct 07 j 04:53	6°♊51'33	0°45'04	opposition	-5067 May 06 j 03:18	4°♊45'31	0°30'42
max. Earth dist.	-5074 Oct 07 j 18:17	6°♊53'37	20.06017 AU	direct	-5067 Jul 21 j 17:45	2°♊46'51	
morning rise	-5074 Oct 22 j 18:10	7°♊48'23		evening set	-5067 Oct 20 j 14:55	5°♊53'58	
retrograde	-5073 Jan 23 j 01:23	11°♊03'56					
opposition	-5073 Apr 09 j 15:11	9°♊03'44	0°48'46	conjunction	-5067 Nov 05 j 04:21	6°♊49'07	0°26'08
min. Earth dist.	-5073 Apr 09 j 01:25	9°♊05'09	18.09536 AU	minimum elong	-5067 Nov 05 j 04:21	6°♊49'07	0°26'08
direct	-5073 Jun 25 j 14:21	7°♊02'53		max. Earth dist.	-5067 Nov 06 j 06:00	6°♊52'56	20.54401 AU
evening set	-5073 Sep 26 j 03:56	10°♊17'56		morning rise	-5067 Nov 20 j 19:32	7°♊44'30	

Planetary Phenomena of Uranus from -5400 through -4898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 28

Attention, astronomical year style is used: The year -5066 in astronomical counting style is the year 5067 BCE in historical counting style.

retrograde	-5066 Feb 22 j 01:12	10° <u>♏</u> 55'49		behind sun begin	-5061 Nov 29 j 14:07	1° <u>♍</u> 25'06	
opposition	-5066 May 10 j 18:30	8° <u>♏</u> 56'01	0°27'06	behind sun end	-5061 Nov 30 j 02:52	1° <u>♍</u> 26'54	
min. Earth dist.	-5066 May 09 j 16:41	8° <u>♏</u> 58'36	18.57761 AU	max. Earth dist.	-5061 Dec 01 j 03:07	1° <u>♍</u> 30'27	20.89693 AU
direct	-5066 Jul 26 j 05:29	6° <u>♏</u> 57'43		morning rise	-5061 Dec 15 j 15:37	2° <u>♍</u> 20'41	
evening set	-5066 Oct 24 j 22:14	10° <u>♏</u> 03'41		retrograde	-5060 Mar 18 j 14:44	5° <u>♍</u> 29'13	
				opposition	-5060 Jun 04 j 21:18	3° <u>♍</u> 29'56	0°03'37
conjunction	-5066 Nov 09 j 12:04	10° <u>♏</u> 58'38	0°22'50	min. Earth dist.	-5060 Jun 03 j 15:56	3° <u>♍</u> 32'52	18.92008 AU
minimum elong	-5066 Nov 09 j 12:05	10° <u>♏</u> 58'38	0°22'48	direct	-5060 Aug 19 j 17:19	1° <u>♍</u> 33'26	
max. Earth dist.	-5066 Nov 10 j 15:56	11° <u>♏</u> 02'46	20.61038 AU	evening set	-5060 Nov 17 j 09:27	4° <u>♍</u> 33'38	
morning rise	-5066 Nov 25 j 03:40	11° <u>♏</u> 53'52					
retrograde	-5065 Feb 26 j 13:20	15° <u>♏</u> 04'39		conjunction	-5060 Dec 03 j 02:11	5° <u>♍</u> 27'47	0°01'33
min. Earth dist.	-5065 May 14 j 04:53	13° <u>♏</u> 07'46	18.64299 AU	minimum elong	-5060 Dec 03 j 02:10	5° <u>♍</u> 27'46	0°01'25
opposition	-5065 May 15 j 08:36	13° <u>♏</u> 04'58	0°23'22	behind sun begin	-5060 Dec 02 j 19:36	5° <u>♍</u> 26'51	
direct	-5065 Jul 30 j 18:20	11° <u>♏</u> 07'03		behind sun end	-5060 Dec 03 j 08:43	5° <u>♍</u> 28'42	
evening set	-5065 Oct 29 j 05:09	14° <u>♏</u> 11'56		max. Earth dist.	-5060 Dec 04 j 09:33	5° <u>♍</u> 32'19	20.94123 AU
				morning rise	-5060 Dec 18 j 21:59	6° <u>♍</u> 22'22	
conjunction	-5065 Nov 13 j 19:11	15° <u>♏</u> 06'42	0°19'26	retrograde	-5059 Mar 23 j 00:22	9° <u>♍</u> 30'31	
minimum elong	-5065 Nov 13 j 19:11	15° <u>♏</u> 06'42	0°19'23	desc. node	-5059 May 04 j 13:56	8° <u>♍</u> 49'38	
max. Earth dist.	-5065 Nov 14 j 23:28	15° <u>♏</u> 10'53	20.67459 AU	min. Earth dist.	-5059 Jun 08 j 00:55	7° <u>♍</u> 34'15	18.96188 AU
morning rise	-5065 Nov 29 j 11:31	16° <u>♏</u> 01'48		opposition	-5059 Jun 09 j 07:20	7° <u>♍</u> 31'13	-0°00'24
retrograde	-5064 Mar 01 j 23:19	19° <u>♏</u> 12'06		direct	-5059 Aug 24 j 02:28	5° <u>♍</u> 34'52	
opposition	-5064 May 18 j 22:13	17° <u>♏</u> 12'32	0°19'32	evening set	-5059 Nov 21 j 14:03	8° <u>♍</u> 34'18	
min. Earth dist.	-5064 May 17 j 18:21	17° <u>♏</u> 15'20	18.70599 AU				
direct	-5064 Aug 03 j 04:16	15° <u>♏</u> 14'58		conjunction	-5059 Dec 07 j 07:19	9° <u>♍</u> 28'21	-0°02'11
evening set	-5064 Nov 01 j 11:26	18° <u>♏</u> 18'48		minimum elong	-5059 Dec 07 j 07:19	9° <u>♍</u> 28'21	0°02'21
				behind sun begin	-5059 Dec 07 j 00:45	9° <u>♍</u> 27'26	
conjunction	-5064 Nov 17 j 01:58	19° <u>♏</u> 13'25	0°15'57	behind sun end	-5059 Dec 07 j 13:52	9° <u>♍</u> 29'17	
minimum elong	-5064 Nov 17 j 01:58	19° <u>♏</u> 13'25	0°15'53	max. Earth dist.	-5059 Dec 08 j 14:19	9° <u>♍</u> 32'50	20.98063 AU
behind sun begin	-5064 Nov 17 j 00:32	19° <u>♏</u> 13'13		morning rise	-5059 Dec 23 j 04:08	10° <u>♍</u> 22'54	
behind sun end	-5064 Nov 17 j 03:25	19° <u>♏</u> 13'38		retrograde	-5058 Mar 27 j 07:52	13° <u>♍</u> 30'41	
max. Earth dist.	-5064 Nov 18 j 07:54	19° <u>♏</u> 17'49	20.73606 AU	min. Earth dist.	-5058 Jun 12 j 11:30	11° <u>♍</u> 34'17	18.99905 AU
morning rise	-5064 Dec 02 j 18:46	20° <u>♏</u> 08'23		opposition	-5058 Jun 13 j 16:51	11° <u>♍</u> 31'21	-0°04'23
retrograde	-5063 Mar 06 j 10:26	23° <u>♏</u> 18'13		direct	-5058 Aug 28 j 08:23	9° <u>♍</u> 35'07	
min. Earth dist.	-5063 May 22 j 05:30	21° <u>♏</u> 21'43	18.76576 AU	evening set	-5058 Nov 25 j 18:22	12° <u>♍</u> 33'50	
opposition	-5063 May 23 j 10:57	21° <u>♏</u> 18'46	0°15'38				
direct	-5063 Aug 07 j 15:24	19° <u>♏</u> 21'32		conjunction	-5058 Dec 11 j 12:30	13° <u>♍</u> 27'50	-0°05'46
evening set	-5063 Nov 05 j 17:32	22° <u>♏</u> 24'23		minimum elong	-5058 Dec 11 j 12:29	13° <u>♍</u> 27'50	0°05'57
				behind sun begin	-5058 Dec 11 j 06:13	13° <u>♍</u> 26'58	
conjunction	-5063 Nov 21 j 08:23	23° <u>♏</u> 18'51	0°12'24	behind sun end	-5058 Dec 11 j 18:46	13° <u>♍</u> 28'43	
minimum elong	-5063 Nov 21 j 08:23	23° <u>♏</u> 18'51	0°12'18	max. Earth dist.	-5058 Dec 12 j 20:11	13° <u>♍</u> 32'24	21.01562 AU
behind sun begin	-5063 Nov 21 j 03:58	23° <u>♏</u> 18'13		morning rise	-5058 Dec 27 j 10:06	14° <u>♍</u> 22'21	
behind sun end	-5063 Nov 21 j 12:48	23° <u>♏</u> 19'29			-5057 Jan 07 j 20:56	15° <u>♍</u>	
max. Earth dist.	-5063 Nov 22 j 14:21	23° <u>♏</u> 23'14	20.79397 AU	retrograde	-5057 Mar 31 j 16:46	17° <u>♍</u> 29'46	
morning rise	-5063 Dec 07 j 01:59	24° <u>♏</u> 13'42		min. Earth dist.	-5057 Jun 16 j 19:07	15° <u>♍</u> 33'25	19.03191 AU
retrograde	-5062 Mar 10 j 19:51	27° <u>♏</u> 23'06		opposition	-5057 Jun 18 j 01:21	15° <u>♍</u> 30'24	-0°08'20
opposition	-5062 May 27 j 23:12	25° <u>♏</u> 23'43	0°11'39		-5057 Jun 30 j 21:00	15° <u>♍</u>	
min. Earth dist.	-5062 May 26 j 18:08	25° <u>♏</u> 26'38	18.82182 AU	direct	-5057 Sep 01 j 16:23	13° <u>♍</u> 34'15	
direct	-5062 Aug 12 j 00:04	23° <u>♏</u> 26'47			-5057 Oct 30 j 22:38	15° <u>♍</u>	
evening set	-5062 Nov 09 j 23:06	26° <u>♏</u> 28'42		evening set	-5057 Nov 29 j 22:36	16° <u>♍</u> 32'23	
conjunction	-5062 Nov 25 j 14:37	27° <u>♏</u> 23'02	0°08'49	conjunction	-5057 Dec 15 j 17:21	17° <u>♍</u> 26'20	-0°09'18
minimum elong	-5062 Nov 25 j 14:37	27° <u>♏</u> 23'02	0°08'43	minimum elong	-5057 Dec 15 j 17:21	17° <u>♍</u> 26'20	0°09'30
behind sun begin	-5062 Nov 25 j 08:55	27° <u>♏</u> 22'14		behind sun begin	-5057 Dec 15 j 11:51	17° <u>♍</u> 25'34	
behind sun end	-5062 Nov 25 j 20:19	27° <u>♏</u> 23'51		behind sun end	-5057 Dec 15 j 22:51	17° <u>♍</u> 27'06	
max. Earth dist.	-5062 Nov 26 j 21:39	27° <u>♏</u> 27'34	20.84786 AU	max. Earth dist.	-5057 Dec 17 j 00:34	17° <u>♍</u> 30'49	21.04638 AU
morning rise	-5062 Dec 11 j 08:51	28° <u>♏</u> 17'47		morning rise	-5057 Dec 31 j 15:58	18° <u>♍</u> 20'49	
	-5061 Jan 13 j 07:42	0° <u>♍</u>		retrograde	-5056 Apr 03 j 23:31	21° <u>♍</u> 27'57	
retrograde	-5061 Mar 15 j 06:16	1° <u>♍</u> 26'45		min. Earth dist.	-5056 Jun 20 j 04:28	19° <u>♍</u> 31'27	19.06082 AU
	-5061 May 18 j 16:45	30° <u>♏</u>		opposition	-5056 Jun 21 j 09:34	19° <u>♍</u> 28'33	-0°12'14
min. Earth dist.	-5061 May 31 j 04:18	29° <u>♏</u> 30'28	18.87336 AU	direct	-5056 Sep 04 j 20:57	17° <u>♍</u> 32'29	
opposition	-5061 Jun 01 j 10:34	29° <u>♏</u> 27'26	0°07'39	evening set	-5056 Dec 03 j 02:25	20° <u>♍</u> 30'05	
direct	-5061 Aug 16 j 10:02	27° <u>♏</u> 30'45					
	-5061 Nov 04 j 15:50	0° <u>♍</u>		conjunction	-5056 Dec 18 j 22:04	21° <u>♍</u> 24'01	-0°12'47
evening set	-5061 Nov 14 j 04:33	0° <u>♍</u> 31'47		minimum elong	-5056 Dec 18 j 22:04	21° <u>♍</u> 24'01	0°13'00
				behind sun begin	-5056 Dec 18 j 18:02	21° <u>♍</u> 23'27	
conjunction	-5061 Nov 29 j 20:29	1° <u>♍</u> 26'00	0°05'13	behind sun end	-5056 Dec 19 j 02:06	21° <u>♍</u> 24'34	
minimum elong	-5061 Nov 29 j 20:30	1° <u>♍</u> 26'00	0°05'04	max. Earth dist.	-5056 Dec 20 j 05:51	21° <u>♍</u> 28'34	21.07341 AU






























































































































Planetary Phenomena of Uranus from -5400 through -4898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 29

Attention, astronomical year style is used: The year -5055 in astronomical counting style is the year 5056 BCE in historical counting style.

morning rise	-5055 Jan 03 j 21:29	22° \mathbb{M} 18'29	direct	-5049 Oct 03 j 04:55	15° \mathbb{A} 09'48	
retrograde	-5055 Apr 08 j 07:59	25° \mathbb{M} 25'23	evening set	-5049 Dec 31 j 09:01	18° \mathbb{A} 06'12	
min. Earth dist.	-5055 Jun 24 j 11:07	23° \mathbb{M} 28'57	19.08597 AU			
opposition	-5055 Jun 25 j 17:07	23° \mathbb{M} 25'57	-0°16'03	conjunction	-5048 Jan 16 j 11:00	19° \mathbb{A} 00'29 -0°34'34
direct	-5055 Sep 09 j 03:43	21° \mathbb{M} 29'59		minimum elong	-5048 Jan 16 j 11:00	19° \mathbb{A} 00'29 0°34'50
evening set	-5055 Dec 07 j 06:25	24° \mathbb{M} 27'09		max. Earth dist.	-5048 Jan 17 j 13:10	19° \mathbb{A} 04'12 21.14741 AU
				morning rise	-5048 Feb 01 j 17:23	19° \mathbb{A} 55'23
conjunction	-5055 Dec 23 j 02:47	25° \mathbb{M} 21'04	-0°16'12	retrograde	-5048 May 06 j 14:01	23° \mathbb{A} 01'53
minimum elong	-5055 Dec 23 j 02:47	25° \mathbb{M} 21'04	0°16'24	opposition	-5048 Jul 23 j 12:43	21° \mathbb{A} 02'35 -0°39'40
max. Earth dist.	-5055 Dec 24 j 09:55	25° \mathbb{M} 25'31	21.09667 AU	min. Earth dist.	-5048 Jul 22 j 13:58	21° \mathbb{A} 04'52 19.14358 AU
morning rise	-5054 Jan 08 j 03:16	26° \mathbb{M} 15'34		direct	-5048 Oct 06 j 08:05	19° \mathbb{A} 06'49
retrograde	-5054 Apr 12 j 14:49	29° \mathbb{M} 22'16		evening set	-5047 Jan 03 j 14:20	22° \mathbb{A} 03'20
min. Earth dist.	-5054 Jun 28 j 19:40	27° \mathbb{M} 25'42	19.10747 AU			
opposition	-5054 Jun 30 j 00:18	27° \mathbb{M} 22'50	-0°19'47	conjunction	-5047 Jan 19 j 17:27	22° \mathbb{A} 57'44 -0°37'08
direct	-5054 Sep 13 j 07:28	25° \mathbb{M} 26'56		minimum elong	-5047 Jan 19 j 17:27	22° \mathbb{A} 57'44 0°37'24
evening set	-5054 Dec 11 j 10:17	28° \mathbb{M} 23'46		max. Earth dist.	-5047 Jan 20 j 18:30	23° \mathbb{A} 01'17 21.13739 AU
				morning rise	-5047 Feb 05 j 00:44	23° \mathbb{A} 52'45
conjunction	-5054 Dec 27 j 07:41	29° \mathbb{M} 17'42	-0°19'32	retrograde	-5047 May 10 j 24:00	26° \mathbb{A} 59'20
minimum elong	-5054 Dec 27 j 07:40	29° \mathbb{M} 17'42	0°19'46	opposition	-5047 Jul 27 j 18:13	24° \mathbb{A} 59'58 -0°42'25
max. Earth dist.	-5054 Dec 28 j 15:00	29° \mathbb{M} 22'10	21.11631 AU	min. Earth dist.	-5047 Jul 26 j 20:02	25° \mathbb{A} 02'13 19.13045 AU
	-5053 Jan 08 j 17:31	0° \mathbb{A}		direct	-5047 Oct 10 j 13:34	23° \mathbb{A} 04'04
morning rise	-5053 Jan 12 j 09:03	0° \mathbb{A} 12'14		evening set	-5046 Jan 07 j 20:19	26° \mathbb{A} 00'47
retrograde	-5053 Apr 16 j 23:13	3° \mathbb{A} 18'47				
min. Earth dist.	-5053 Jul 03 j 01:44	1° \mathbb{A} 22'18	19.12509 AU	conjunction	-5046 Jan 24 j 00:21	26° \mathbb{A} 55'20 -0°39'32
opposition	-5053 Jul 04 j 06:57	1° \mathbb{A} 19'23	-0°23'25	minimum elong	-5046 Jan 24 j 00:21	26° \mathbb{A} 55'19 0°39'49
	-5053 Aug 09 j 14:24	30° \mathbb{R} \mathbb{M}		max. Earth dist.	-5046 Jan 24 j 23:14	26° \mathbb{A} 58'34 21.12122 AU
direct	-5053 Sep 17 j 12:53	29° \mathbb{M} 23'34		morning rise	-5046 Feb 09 j 08:43	27° \mathbb{A} 50'28
	-5053 Oct 25 j 10:53	0° \mathbb{A}			-5046 Mar 26 j 17:03	0° \mathbb{B}
evening set	-5053 Dec 15 j 14:22	2° \mathbb{A} 20'08		retrograde	-5046 May 15 j 06:16	0° \mathbb{B} 57'08
					-5046 Jul 04 j 23:27	30° \mathbb{R} \mathbb{A}
conjunction	-5053 Dec 31 j 12:30	3° \mathbb{A} 14'07	-0°22'47	opposition	-5046 Jul 31 j 23:39	28° \mathbb{A} 57'41 -0°44'58
minimum elong	-5053 Dec 31 j 12:30	3° \mathbb{A} 14'07	0°23'01	min. Earth dist.	-5046 Jul 31 j 04:11	28° \mathbb{A} 59'39 19.11134 AU
max. Earth dist.	-5052 Jan 01 j 18:50	3° \mathbb{A} 18'25	21.13185 AU	direct	-5046 Oct 14 j 16:26	27° \mathbb{A} 01'36
morning rise	-5052 Jan 16 j 14:56	4° \mathbb{A} 08'40		evening set	-5045 Jan 12 j 02:31	29° \mathbb{A} 58'34
retrograde	-5052 Apr 20 j 06:12	7° \mathbb{A} 15'08			-5045 Jan 12 j 12:54	0° \mathbb{B}
min. Earth dist.	-5052 Jul 06 j 09:51	5° \mathbb{A} 18'32	19.13858 AU			
opposition	-5052 Jul 07 j 13:21	5° \mathbb{A} 15'46	-0°26'57	conjunction	-5045 Jan 28 j 07:44	0° \mathbb{B} 53'15 -0°41'45
direct	-5052 Sep 20 j 16:16	3° \mathbb{A} 20'02		minimum elong	-5045 Jan 28 j 07:44	0° \mathbb{B} 53'15 0°42'01
evening set	-5052 Dec 18 j 18:30	6° \mathbb{A} 16'26		max. Earth dist.	-5045 Jan 29 j 05:13	0° \mathbb{B} 56'18 21.09938 AU
				morning rise	-5045 Feb 13 j 17:01	1° \mathbb{B} 48'32
conjunction	-5051 Jan 03 j 17:42	7° \mathbb{A} 10'28	-0°25'55	retrograde	-5045 May 19 j 15:49	4° \mathbb{B} 55'19
minimum elong	-5051 Jan 03 j 17:42	7° \mathbb{A} 10'28	0°26'10	min. Earth dist.	-5045 Aug 04 j 10:08	2° \mathbb{B} 57'39 19.08670 AU
max. Earth dist.	-5051 Jan 04 j 23:51	7° \mathbb{A} 14'45	21.14327 AU	opposition	-5045 Aug 05 j 04:53	2° \mathbb{B} 55'44 -0°47'18
morning rise	-5051 Jan 19 j 21:01	8° \mathbb{A} 05'05		direct	-5045 Oct 18 j 22:43	0° \mathbb{B} 59'26
retrograde	-5051 Apr 24 j 15:00	11° \mathbb{A} 11'30		evening set	-5044 Jan 16 j 09:11	3° \mathbb{B} 56'44
opposition	-5051 Jul 11 j 19:25	9° \mathbb{A} 12'10	-0°30'21			
min. Earth dist.	-5051 Jul 10 j 15:42	9° \mathbb{A} 14'57	19.14768 AU	conjunction	-5044 Feb 01 j 15:17	4° \mathbb{B} 51'35 -0°43'46
direct	-5051 Sep 24 j 20:52	7° \mathbb{A} 16'29		minimum elong	-5044 Feb 01 j 15:17	4° \mathbb{B} 51'35 0°44'03
evening set	-5051 Dec 22 j 22:57	10° \mathbb{A} 12'48		max. Earth dist.	-5044 Feb 02 j 10:38	4° \mathbb{B} 54'19 21.07213 AU
				morning rise	-5044 Feb 18 j 01:33	5° \mathbb{B} 47'00
conjunction	-5050 Jan 07 j 22:59	11° \mathbb{A} 06'54	-0°28'56	retrograde	-5044 May 22 j 22:21	8° \mathbb{B} 53'57
minimum elong	-5050 Jan 07 j 22:59	11° \mathbb{A} 06'54	0°29'11	opposition	-5044 Aug 08 j 10:12	6° \mathbb{B} 54'14 -0°49'25
max. Earth dist.	-5050 Jan 09 j 03:47	11° \mathbb{A} 10'59	21.14995 AU	min. Earth dist.	-5044 Aug 07 j 18:05	6° \mathbb{B} 55'52 19.05706 AU
morning rise	-5050 Jan 24 j 03:25	12° \mathbb{A} 01'36		direct	-5044 Oct 22 j 01:48	4° \mathbb{B} 57'40
retrograde	-5050 Apr 28 j 21:57	15° \mathbb{A} 08'01		evening set	-5043 Jan 19 j 16:12	7° \mathbb{B} 55'21
min. Earth dist.	-5050 Jul 14 j 23:52	13° \mathbb{A} 11'17	19.15188 AU			
opposition	-5050 Jul 16 j 01:27	13° \mathbb{A} 08'43	-0°33'37	conjunction	-5043 Feb 04 j 23:26	8° \mathbb{B} 50'23 -0°45'34
direct	-5050 Sep 29 j 00:14	11° \mathbb{A} 13'03		minimum elong	-5043 Feb 04 j 23:26	8° \mathbb{B} 50'23 0°45'50
evening set	-5050 Dec 27 j 03:45	14° \mathbb{A} 09'22		max. Earth dist.	-5043 Feb 05 j 17:25	8° \mathbb{B} 52'56 21.04037 AU
				morning rise	-5043 Feb 21 j 10:35	9° \mathbb{B} 45'59
conjunction	-5049 Jan 12 j 04:53	15° \mathbb{A} 03'33	-0°31'49	retrograde	-5043 May 27 j 07:48	12° \mathbb{B} 53'07
minimum elong	-5049 Jan 12 j 04:53	15° \mathbb{A} 03'33	0°32'05	opposition	-5043 Aug 12 j 15:22	10° \mathbb{B} 53'15 -0°51'18
max. Earth dist.	-5049 Jan 13 j 08:57	15° \mathbb{A} 07'32	21.15156 AU	min. Earth dist.	-5043 Aug 11 j 23:55	10° \mathbb{B} 54'50 19.02315 AU
morning rise	-5049 Jan 28 j 10:12	15° \mathbb{A} 58'20		direct	-5043 Oct 26 j 08:01	8° \mathbb{B} 56'25
retrograde	-5049 May 03 j 07:31	19° \mathbb{A} 04'47		evening set	-5042 Jan 23 j 23:50	11° \mathbb{B} 54'35
min. Earth dist.	-5049 Jul 19 j 05:45	17° \mathbb{A} 08'02	19.15067 AU			
opposition	-5049 Jul 20 j 06:59	17° \mathbb{A} 05'30	-0°36'44	conjunction	-5042 Feb 09 j 08:01	12° \mathbb{B} 49'49 -0°47'09

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Attention, astronomical year style is used: The year -5042 in astronomical counting style is the year 5043 BCE in historical counting style.

minimum elong	-5042 Feb 09 j 08:01	12°  49'49	0°47'26	opposition	-5036 Sep 09 j 10:20	9°  15'25	-0°57'14
max. Earth dist.	-5042 Feb 09 j 23:53	12°  52'04	21.00440 AU	min. Earth dist.	-5036 Sep 09 j 08:30	9°  15'36	18.69095 AU
morning rise	-5042 Feb 25 j 20:09	13°  45'35		direct	-5036 Nov 22 j 23:36	7°  16'36	
retrograde	-5042 May 31 j 15:18	16°  52'58		evening set	-5035 Feb 22 j 00:44	10°  20'30	
opposition	-5042 Aug 16 j 20:49	14°  52'58	-0°52'56				
min. Earth dist.	-5042 Aug 16 j 07:58	14°  54'17	18.98531 AU	conjunction	-5035 Mar 10 j 15:37	11°  17'28	-0°51'36
direct	-5042 Oct 30 j 11:46	12°  55'51		minimum elong	-5035 Mar 10 j 15:37	11°  17'28	0°51'49
evening set	-5041 Jan 28 j 08:01	15°  54'36		max. Earth dist.	-5035 Mar 10 j 16:38	11°  17'37	20.66110 AU
				morning rise	-5035 Mar 27 j 09:00	12°  14'49	
conjunction	-5041 Feb 13 j 17:18	16°  50'02	-0°48'31		-5035 May 29 j 00:19	15° 	
minimum elong	-5041 Feb 13 j 17:18	16°  50'02	0°48'47	retrograde	-5035 Jun 29 j 18:32	15°  25'06	
max. Earth dist.	-5041 Feb 14 j 07:35	16°  52'03	20.96485 AU		-5035 Jul 31 j 17:52	15°  R 	
morning rise	-5041 Mar 02 j 06:15	17°  45'59		opposition	-5035 Sep 13 j 17:57	13°  24'33	-0°56'57
retrograde	-5041 Jun 05 j 01:08	20°  53'39		min. Earth dist.	-5035 Sep 13 j 17:36	13°  24'35	18.63042 AU
opposition	-5041 Aug 21 j 02:09	18°  53'32	-0°54'20	direct	-5035 Nov 27 j 08:52	11°  25'23	
min. Earth dist.	-5041 Aug 20 j 14:00	18°  54'47	18.94401 AU	evening set	-5034 Feb 26 j 14:43	14°  30'23	
direct	-5041 Nov 03 j 17:40	16°  56'07			-5034 Mar 07 j 06:47	15° 	
evening set	-5040 Feb 01 j 16:53	19°  55'32					
				conjunction	-5034 Mar 15 j 06:27	15°  27'39	-0°51'11
conjunction	-5040 Feb 18 j 03:05	20°  51'12	-0°49'39	minimum elong	-5034 Mar 15 j 06:27	15°  27'39	0°51'24
minimum elong	-5040 Feb 18 j 03:05	20°  51'12	0°49'54	max. Earth dist.	-5034 Mar 15 j 04:52	15°  27'25	20.59866 AU
max. Earth dist.	-5040 Feb 18 j 15:13	20°  52'55	20.92190 AU	morning rise	-5034 Apr 01 j 00:20	16°  25'15	
morning rise	-5040 Mar 05 j 16:53	21°  47'22		retrograde	-5034 Jul 04 j 06:05	19°  36'03	
retrograde	-5040 Jun 08 j 09:44	24°  55'21		opposition	-5034 Sep 18 j 02:21	17°  35'24	-0°56'21
opposition	-5040 Aug 24 j 07:58	22°  55'08	-0°55'28	min. Earth dist.	-5034 Sep 18 j 05:04	17°  35'07	18.56619 AU
min. Earth dist.	-5040 Aug 23 j 22:22	22°  56'08	18.89953 AU	direct	-5034 Dec 01 j 16:42	15°  35'51	
direct	-5040 Nov 06 j 22:11	20°  57'28		evening set	-5033 Mar 03 j 05:32	18°  41'58	
evening set	-5039 Feb 05 j 02:12	23°  57'36					
				conjunction	-5033 Mar 19 j 22:00	19°  39'32	-0°50'29
conjunction	-5039 Feb 21 j 13:29	24°  53'30	-0°50'33	minimum elong	-5033 Mar 19 j 22:00	19°  39'32	0°50'40
minimum elong	-5039 Feb 21 j 13:29	24°  53'30	0°50'49	max. Earth dist.	-5033 Mar 19 j 17:26	19°  38'52	20.53282 AU
max. Earth dist.	-5039 Feb 21 j 23:55	24°  54'59	20.87603 AU	morning rise	-5033 Apr 05 j 16:25	20°  37'23	
morning rise	-5039 Mar 10 j 04:06	25°  49'53		retrograde	-5033 Jul 08 j 20:22	23°  48'43	
retrograde	-5039 Jun 12 j 20:33	28°  58'16		opposition	-5033 Sep 22 j 11:04	21°  47'55	-0°55'27
opposition	-5039 Aug 28 j 13:57	26°  57'58	-0°56'20	min. Earth dist.	-5033 Sep 22 j 15:19	21°  47'29	18.49873 AU
min. Earth dist.	-5039 Aug 28 j 05:10	26°  58'52	18.85209 AU	direct	-5033 Dec 06 j 03:29	19°  47'57	
direct	-5039 Nov 11 j 04:31	25°  00'01		evening set	-5032 Mar 06 j 21:10	22°  55'14	
evening set	-5038 Feb 09 j 12:35	28°  00'59					
				conjunction	-5032 Mar 23 j 14:24	23°  53'06	-0°49'31
conjunction	-5038 Feb 26 j 00:47	28°  57'08	-0°51'12	minimum elong	-5032 Mar 23 j 14:24	23°  53'06	0°49'42
minimum elong	-5038 Feb 26 j 00:47	28°  57'08	0°51'26	max. Earth dist.	-5032 Mar 23 j 07:33	23°  52'06	20.46389 AU
max. Earth dist.	-5038 Feb 26 j 08:58	28°  58'19	20.82706 AU	morning rise	-5032 Apr 09 j 09:09	24°  51'12	
morning rise	-5038 Mar 14 j 16:11	29°  53'45		retrograde	-5032 Jul 12 j 09:09	28°  03'05	
	-5038 Mar 16 j 13:11	0° 		opposition	-5032 Sep 25 j 20:29	26°  02'08	-0°54'14
retrograde	-5038 Jun 17 j 06:17	3°  02'33		min. Earth dist.	-5032 Sep 26 j 03:33	26°  01'23	18.42857 AU
opposition	-5038 Sep 01 j 20:17	1°  02'12	-0°56'55	direct	-5032 Dec 09 j 12:57	24°  01'42	
min. Earth dist.	-5038 Sep 01 j 14:19	1°  02'49	18.80159 AU	evening set	-5031 Mar 11 j 13:35	27°  10'10	
	-5038 Sep 28 j 03:01	30°  R 					
direct	-5038 Nov 15 j 09:49	29°  03'58		conjunction	-5031 Mar 28 j 07:27	28°  08'20	-0°48'16
	-5037 Jan 01 j 15:19	0° 		minimum elong	-5031 Mar 28 j 07:27	28°  08'20	0°48'26
evening set	-5037 Feb 13 j 23:46	2°  05'51		max. Earth dist.	-5031 Mar 27 j 21:38	28°  06'54	20.39282 AU
				morning rise	-5031 Apr 14 j 02:42	29°  06'43	
conjunction	-5037 Mar 02 j 12:56	3°  02'16	-0°51'36		-5031 Apr 30 j 06:11	0° 	
minimum elong	-5037 Mar 02 j 12:56	3°  02'16	0°51'51	retrograde	-5031 Jul 17 j 00:20	2°  19'09	
max. Earth dist.	-5037 Mar 02 j 18:58	3°  03'08	20.77513 AU	opposition	-5031 Sep 30 j 06:20	0°  18'01	-0°52'43
morning rise	-5037 Mar 19 j 05:03	3°  59'07		min. Earth dist.	-5031 Sep 30 j 14:53	0°  17'06	18.35659 AU
retrograde	-5037 Jun 21 j 18:26	7°  08'23			-5031 Oct 07 j 08:29	30°  R 	
opposition	-5037 Sep 06 j 03:00	5°  07'58	-0°57'14	direct	-5031 Dec 14 j 00:54	28°  17'07	
min. Earth dist.	-5037 Sep 05 j 22:12	5°  08'28	18.74799 AU		-5030 Feb 17 j 02:20	0° 	
direct	-5037 Nov 19 j 17:22	3°  09'28		evening set	-5030 Mar 16 j 07:00	1°  12'49	
evening set	-5036 Feb 18 j 11:46	6°  12'20					
				conjunction	-5030 Apr 02 j 01:32	2°  12'51	-0°46'45
conjunction	-5036 Mar 06 j 01:45	7°  09'01	-0°51'44	minimum elong	-5030 Apr 02 j 01:32	2°  12'51	0°46'53
minimum elong	-5036 Mar 06 j 01:45	7°  09'01	0°51'58	max. Earth dist.	-5030 Apr 01 j 13:51	2°  23'35	20.32007 AU
max. Earth dist.	-5036 Mar 06 j 05:26	7°  09'33	20.71979 AU	morning rise	-5030 Apr 18 j 20:55	3°  23'56	
morning rise	-5036 Mar 22 j 18:29	8°  06'07		retrograde	-5030 Jul 21 j 14:33	6°  36'54	
retrograde	-5036 Jun 25 j 05:04	11°  15'53		opposition	-5030 Oct 04 j 16:49	4°  35'36	-0°50'54

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Attention, astronomical year style is used: The year -5030 in astronomical counting style is the year 5031 BCE in historical counting style.

min. Earth dist.	-5030 Oct 05 j 03:53	4° H 34'26	18.28337 AU	conjunction	-5023 May 04 j 05:43	3° Y 16'29	-0°28'55
direct	-5030 Dec 18 j 11:48	2° H 34'14		minimum elong	-5023 May 04 j 05:43	3° Y 16'29	0°28'55
evening set	-5029 Mar 21 j 01:18	5° H 45'12		morning rise	-5023 May 21 j 00:38	4° Y 16'51	
				retrograde	-5023 Aug 21 j 18:46	7° Y 34'02	
conjunction	-5029 Apr 06 j 20:15	6° H 43'59	-0°44'57	opposition	-5023 Nov 03 j 15:26	5° Y 32'03	-0°30'16
minimum elong	-5029 Apr 06 j 20:15	6° H 43'59	0°45'05	min. Earth dist.	-5023 Nov 04 j 13:21	5° Y 29'40	17.79301 AU
max. Earth dist.	-5029 Apr 06 j 05:37	6° H 41'50	20.24667 AU	direct	-5022 Jan 17 j 21:29	3° Y 27'55	
morning rise	-5029 Apr 23 j 15:57	7° H 42'54		evening set	-5022 Apr 22 j 10:05	6° Y 48'25	
retrograde	-5029 Jul 26 j 07:02	10° H 56'26		max. Earth dist.	-5022 May 08 j 03:38	7° Y 45'09	19.76081 AU
opposition	-5029 Oct 09 j 03:59	8° H 54'57	-0°48'47				
min. Earth dist.	-5029 Oct 09 j 16:20	8° H 53'38	18.20994 AU	conjunction	-5022 May 09 j 06:19	7° Y 49'11	-0°25'27
direct	-5029 Dec 23 j 01:01	6° H 53'06		minimum elong	-5022 May 09 j 06:19	7° Y 49'12	0°25'26
evening set	-5028 Mar 24 j 20:12	10° H 05'23		morning rise	-5022 May 26 j 00:36	8° Y 49'44	
				retrograde	-5022 Aug 26 j 14:45	12° Y 07'32	
conjunction	-5028 Apr 10 j 15:42	11° H 04'28	-0°42'54	opposition	-5022 Nov 08 j 08:26	10° Y 05'31	-0°26'18
minimum elong	-5028 Apr 10 j 15:42	11° H 04'28	0°43'00	min. Earth dist.	-5022 Nov 09 j 07:34	10° Y 03'00	17.72936 AU
max. Earth dist.	-5028 Apr 09 j 23:49	11° H 02'07	20.17322 AU	direct	-5021 Jan 22 j 16:45	8° Y 01'04	
morning rise	-5028 Apr 27 j 11:20	12° H 03'38		evening set	-5021 Apr 27 j 11:38	11° Y 22'54	
retrograde	-5028 Jul 29 j 22:43	15° H 17'45		max. Earth dist.	-5021 May 13 j 01:59	12° Y 19'25	19.69801 AU
opposition	-5028 Oct 12 j 15:56	13° H 16'08	-0°46'23				
min. Earth dist.	-5028 Oct 13 j 06:19	13° H 14'35	18.13677 AU	conjunction	-5021 May 14 j 07:27	12° Y 23'54	-0°21'47
direct	-5028 Dec 26 j 13:15	11° H 13'50		minimum elong	-5021 May 14 j 07:27	12° Y 23'54	0°21'44
evening set	-5027 Mar 29 j 16:15	14° H 27'26		morning rise	-5021 May 31 j 01:16	13° Y 24'38	
				retrograde	-5021 Aug 31 j 11:14	16° Y 43'01	
conjunction	-5027 Apr 15 j 12:00	15° H 26'49	-0°40'35	opposition	-5021 Nov 13 j 02:26	14° Y 40'57	-0°22'08
minimum elong	-5027 Apr 15 j 12:00	15° H 26'49	0°40'41	min. Earth dist.	-5021 Nov 14 j 03:18	14° Y 38'14	17.66759 AU
max. Earth dist.	-5027 Apr 14 j 17:11	15° H 24'02	20.10056 AU	direct	-5020 Jan 27 j 13:04	12° Y 36'09	
morning rise	-5027 May 02 j 07:49	16° H 26'14		evening set	-5020 May 01 j 13:34	15° Y 59'16	
retrograde	-5027 Aug 03 j 16:26	19° H 40'57		max. Earth dist.	-5020 May 17 j 03:21	16° Y 55'56	19.63713 AU
opposition	-5027 Oct 17 j 04:27	17° H 39'12	-0°43'42				
min. Earth dist.	-5027 Oct 17 j 20:08	17° H 37'31	18.06473 AU	conjunction	-5020 May 18 j 09:12	17° Y 00'29	-0°17'58
direct	-5027 Dec 31 j 04:02	15° H 36'28		minimum elong	-5020 May 18 j 09:12	17° Y 00'29	0°17'54
evening set	-5026 Apr 03 j 13:11	18° H 51'26		morning rise	-5020 Jun 04 j 02:17	18° Y 01'23	
				retrograde	-5020 Sep 04 j 08:52	21° Y 20'19	
conjunction	-5026 Apr 20 j 09:20	19° H 51'07	-0°38'02	opposition	-5020 Nov 16 j 21:16	19° Y 18'11	-0°17'48
minimum elong	-5026 Apr 20 j 09:21	19° H 51'07	0°38'05	min. Earth dist.	-5020 Nov 17 j 22:50	19° Y 15'24	17.60770 AU
max. Earth dist.	-5026 Apr 19 j 13:35	19° H 48'11	20.02909 AU	direct	-5019 Jan 31 j 11:06	17° Y 13'05	
morning rise	-5026 May 07 j 04:55	20° H 50'47		evening set	-5019 May 06 j 16:31	20° Y 37'25	
retrograde	-5026 Aug 08 j 09:37	24° H 06'06		max. Earth dist.	-5019 May 22 j 03:27	21° Y 33'54	19.57839 AU
opposition	-5026 Oct 21 j 17:58	22° H 04'16	-0°40'44				
min. Earth dist.	-5026 Oct 22 j 11:22	22° H 02'23	17.99402 AU	conjunction	-5019 May 23 j 11:35	21° Y 38'49	-0°14'00
direct	-5025 Jan 04 j 17:54	20° H 01'09		minimum elong	-5019 May 23 j 11:35	21° Y 38'49	0°13'55
evening set	-5025 Apr 08 j 11:03	23° H 17'29		behind sun begin	-5019 May 23 j 08:17	21° Y 38'20	
max. Earth dist.	-5025 Apr 24 j 08:35	24° H 14'04	19.95930 AU	behind sun end	-5019 May 23 j 14:53	21° Y 39'19	
				morning rise	-5019 Jun 09 j 03:58	22° Y 39'53	
conjunction	-5025 Apr 25 j 07:12	24° H 17'27	-0°35'13	retrograde	-5019 Sep 09 j 05:51	25° Y 59'18	
minimum elong	-5025 Apr 25 j 07:12	24° H 17'27	0°35'16	opposition	-5019 Nov 21 j 16:52	23° Y 57'07	-0°13'20
morning rise	-5025 May 12 j 02:44	25° H 17'22		min. Earth dist.	-5019 Nov 22 j 20:12	23° Y 54'08	17.55038 AU
retrograde	-5025 Aug 13 j 04:30	28° H 33'19		direct	-5018 Feb 05 j 09:06	21° Y 51'39	
opposition	-5025 Oct 26 j 08:14	26° H 31'24	-0°37'29	evening set	-5018 May 11 j 19:54	25° Y 17'11	
min. Earth dist.	-5025 Oct 27 j 02:59	26° H 29'22	17.92521 AU	max. Earth dist.	-5018 May 27 j 06:09	26° Y 13'46	19.52253 AU
direct	-5024 Jan 09 j 10:40	24° H 27'55					
evening set	-5024 Apr 12 j 09:43	27° H 45'39		conjunction	-5018 May 28 j 14:30	26° Y 18'46	-0°09'56
max. Earth dist.	-5024 Apr 28 j 06:57	28° H 42'25	19.89136 AU	minimum elong	-5018 May 28 j 14:30	26° Y 18'46	0°09'50
				behind sun begin	-5018 May 28 j 09:01	26° Y 17'56	
conjunction	-5024 Apr 29 j 06:07	28° H 45'54	-0°32'11	behind sun end	-5018 May 28 j 19:58	26° Y 19'35	
minimum elong	-5024 Apr 29 j 06:07	28° H 45'54	0°32'13	morning rise	-5018 Jun 14 j 06:00	27° Y 19'56	
morning rise	-5024 May 16 j 01:14	29° H 46'02			-5018 Aug 07 j 01:11	0° B	
	-5024 May 20 j 01:11	0° Y		retrograde	-5018 Sep 14 j 04:53	0° B 39'49	
retrograde	-5024 Aug 16 j 22:52	3° Y 02'36			-5018 Oct 23 j 01:05	30° R Y	
opposition	-5024 Oct 29 j 23:21	1° Y 00'40	-0°34'00	opposition	-5018 Nov 26 j 13:21	28° Y 37'34	-0°08'45
min. Earth dist.	-5024 Oct 30 j 19:36	0° Y 58'28	17.85818 AU	min. Earth dist.	-5018 Nov 27 j 16:46	28° Y 34'34	17.49612 AU
	-5024 Nov 23 j 08:33	30° R H		direct	-5017 Feb 10 j 09:29	26° Y 31'49	
direct	-5023 Jan 13 j 02:49	28° H 56'51		evening set	-5017 May 16 j 23:41	29° Y 58'25	
	-5023 Mar 04 j 00:58	0° Y			-5017 May 17 j 10:10	0° B	
evening set	-5023 Apr 17 j 09:30	2° Y 15'58		max. Earth dist.	-5017 Jun 01 j 07:57	0° B 54'56	19.47007 AU
max. Earth dist.	-5023 May 03 j 03:36	3° Y 12'33	19.82526 AU				

Attention, astronomical year style is used: The year -5017 in astronomical counting style is the year 5018 BCE in historical counting style.

conjunction	-5017 Jun 02 j 17:31	1°800'08	-0°05'48	retrograde	-5012 Oct 12 j 03:32	29°807'41	
minimum elong	-5017 Jun 02 j 17:31	1°800'08	0°05'41	opposition	-5012 Dec 24 j 07:39	27°805'20	0°19'17
behind sun begin	-5017 Jun 02 j 11:02	0°859'09		min. Earth dist.	-5012 Dec 25 j 10:38	27°802'23	17.27564 AU
behind sun end	-5017 Jun 03 j 00:00	1°801'07		direct	-5011 Mar 10 j 18:04	24°858'29	
morning rise	-5017 Jun 19 j 08:05	2°801'25		evening set	-5011 Jun 15 j 03:38	28°829'51	
retrograde	-5017 Sep 19 j 02:31	5°821'45		max. Earth dist.	-5011 Jun 30 j 08:58	29°827'01	19.26690 AU
opposition	-5017 Dec 01 j 10:40	3°819'25	-0°04'05				
min. Earth dist.	-5017 Dec 02 j 15:30	3°816'16	17.44582 AU	conjunction	-5011 Jul 01 j 15:40	29°831'52	0°19'20
direct	-5016 Feb 15 j 08:45	1°813'21		minimum elong	-5011 Jul 01 j 15:40	29°831'52	0°19'34
evening set	-5016 May 21 j 03:49	4°840'59			-5011 Jul 09 j 02:01	0°II	
max. Earth dist.	-5016 Jun 05 j 11:23	5°837'36	19.42198 AU	morning rise	-5011 Jul 17 j 23:15	0°II33'15	
				retrograde	-5011 Oct 17 j 03:38	3°II55'26	
conjunction	-5016 Jun 06 j 20:54	5°842'49	-0°01'34	opposition	-5011 Dec 29 j 09:07	1°II53'11	0°23'44
minimum elong	-5016 Jun 06 j 20:56	5°842'49	0°01'25	min. Earth dist.	-5011 Dec 30 j 12:17	1°II50'14	17.26068 AU
behind sun begin	-5016 Jun 06 j 14:10	5°841'48			-5010 Feb 21 j 00:56	30°R8	
behind sun end	-5016 Jun 07 j 03:41	5°843'51		direct	-5010 Mar 15 j 21:15	29°846'22	
morning rise	-5016 Jun 23 j 10:33	6°844'11			-5010 Apr 07 j 15:07	0°II	
retrograde	-5016 Sep 23 j 02:41	10°804'54		evening set	-5010 Jun 20 j 08:42	3°II18'12	
asc. node	-5016 Oct 17 j 19:04	9°848'09					
opposition	-5016 Dec 05 j 08:28	8°802'31	0°00'38	conjunction	-5010 Jul 06 j 19:19	4°II20'08	0°23'16
min. Earth dist.	-5016 Dec 06 j 12:44	7°859'26	17.40007 AU	minimum elong	-5010 Jul 06 j 19:19	4°II20'08	0°23'30
direct	-5015 Feb 19 j 10:28	5°856'11		max. Earth dist.	-5010 Jul 05 j 12:43	4°II15'17	19.25519 AU
evening set	-5015 May 26 j 08:19	9°824'45		morning rise	-5010 Jul 23 j 01:46	5°II21'27	
max. Earth dist.	-5015 Jun 10 j 14:50	10°821'25	19.37873 AU	retrograde	-5010 Oct 22 j 04:43	8°II43'50	
				opposition	-5009 Jan 03 j 11:08	6°II41'41	0°28'02
conjunction	-5015 Jun 12 j 00:37	10°826'41	0°02'47	min. Earth dist.	-5009 Jan 04 j 12:40	6°II38'54	17.25206 AU
minimum elong	-5015 Jun 12 j 00:36	10°826'41	0°02'56	direct	-5009 Mar 21 j 01:58	4°II34'56	
behind sun begin	-5015 Jun 11 j 17:52	10°825'40		evening set	-5009 Jun 25 j 13:18	8°II07'03	
behind sun end	-5015 Jun 12 j 07:20	10°827'43					
morning rise	-5015 Jun 28 j 13:05	11°828'07		conjunction	-5009 Jul 11 j 22:49	9°II08'54	0°27'02
retrograde	-5015 Sep 28 j 01:29	14°849'11		minimum elong	-5009 Jul 11 j 22:49	9°II08'54	0°27'17
opposition	-5015 Dec 10 j 07:19	12°846'46	0°05'21	max. Earth dist.	-5009 Jul 10 j 18:32	9°II04'26	19.24949 AU
min. Earth dist.	-5015 Dec 11 j 12:37	12°843'33	17.35965 AU	morning rise	-5009 Jul 28 j 03:47	10°II10'08	
direct	-5014 Feb 24 j 10:50	10°840'12		retrograde	-5009 Oct 27 j 05:16	13°II32'37	
evening set	-5014 May 31 j 13:00	14°809'37		opposition	-5008 Jan 08 j 13:47	11°II30'36	0°32'09
	-5014 Jun 14 j 02:10	15°8		min. Earth dist.	-5008 Jan 09 j 15:02	11°II27'51	17.24920 AU
max. Earth dist.	-5014 Jun 15 j 18:39	15°806'21	19.34118 AU	direct	-5008 Mar 25 j 07:03	9°II23'57	
				evening set	-5008 Jun 29 j 18:02	12°II56'14	
conjunction	-5014 Jun 17 j 04:15	15°811'36	0°07'00	max. Earth dist.	-5008 Jul 14 j 21:51	13°II53'30	19.24944 AU
minimum elong	-5014 Jun 17 j 04:14	15°811'36	0°07'11				
behind sun begin	-5014 Jun 16 j 22:03	15°810'39		conjunction	-5008 Jul 16 j 02:02	13°II57'58	0°30'37
behind sun end	-5014 Jun 17 j 10:26	15°812'33		minimum elong	-5008 Jul 16 j 02:02	13°II57'58	0°30'53
morning rise	-5014 Jul 03 j 15:40	16°813'04		morning rise	-5008 Aug 01 j 05:51	14°II59'04	
retrograde	-5014 Oct 03 j 02:25	19°834'28		retrograde	-5008 Oct 31 j 06:00	18°II21'37	
opposition	-5014 Dec 15 j 06:43	17°832'02	0°10'04	opposition	-5007 Jan 12 j 16:35	16°II19'42	0°36'03
min. Earth dist.	-5014 Dec 16 j 10:45	17°828'58	17.32512 AU	min. Earth dist.	-5007 Jan 13 j 16:24	16°II17'07	17.25188 AU
direct	-5013 Mar 01 j 13:18	15°825'18		direct	-5007 Mar 30 j 12:37	14°II13'08	
evening set	-5013 Jun 05 j 17:48	18°855'28		evening set	-5007 Jul 04 j 22:19	17°II45'28	
max. Earth dist.	-5013 Jun 20 j 23:28	19°852'23	19.30977 AU	max. Earth dist.	-5007 Jul 20 j 03:25	18°II42'58	19.25468 AU
conjunction	-5013 Jun 22 j 08:05	19°857'30	0°11'11	conjunction	-5007 Jul 21 j 05:09	18°II47'03	0°33'59
minimum elong	-5013 Jun 22 j 08:05	19°857'30	0°11'23	minimum elong	-5007 Jul 21 j 05:08	18°II47'03	0°34'14
behind sun begin	-5013 Jun 22 j 03:13	19°856'45		morning rise	-5007 Aug 06 j 07:28	19°II48'01	
behind sun end	-5013 Jun 22 j 12:57	19°858'15		retrograde	-5007 Nov 05 j 06:48	23°II10'32	
morning rise	-5013 Jul 08 j 18:10	20°858'57		opposition	-5006 Jan 17 j 20:02	21°II08'43	0°39'41
retrograde	-5013 Oct 08 j 02:10	24°820'40		min. Earth dist.	-5006 Jan 18 j 18:58	21°II06'14	17.25959 AU
opposition	-5013 Dec 20 j 06:57	22°818'15	0°14'43	direct	-5006 Apr 04 j 18:12	19°II02'17	
min. Earth dist.	-5013 Dec 21 j 11:29	22°815'07	17.29707 AU	evening set	-5006 Jul 10 j 02:12	22°II34'28	
direct	-5012 Mar 05 j 14:37	20°811'25		max. Earth dist.	-5006 Jul 25 j 06:14	23°II31'52	19.26494 AU
evening set	-5012 Jun 09 j 22:41	23°842'15					
max. Earth dist.	-5012 Jun 25 j 03:19	24°839'10	19.28509 AU	conjunction	-5006 Jul 26 j 07:29	23°II35'53	0°37'07
				minimum elong	-5006 Jul 26 j 07:29	23°II35'53	0°37'23
conjunction	-5012 Jun 26 j 11:46	24°844'16	0°15'18	morning rise	-5006 Aug 11 j 08:38	24°II36'41	
minimum elong	-5012 Jun 26 j 11:46	24°844'16	0°15'30	retrograde	-5006 Nov 10 j 07:42	27°II59'08	
behind sun begin	-5012 Jun 26 j 10:13	24°844'02		opposition	-5005 Jan 22 j 23:39	25°II57'23	0°43'02
behind sun end	-5012 Jun 26 j 13:18	24°844'31		min. Earth dist.	-5005 Jan 23 j 21:09	25°II55'04	17.27241 AU
morning rise	-5012 Jul 12 j 20:48	25°845'43		direct	-5005 Apr 09 j 23:27	23°II51'05	

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Attention, astronomical year style is used: The year -5005 in astronomical counting style is the year 5006 BCE in historical counting style.

evening set	-5005 Jul 15 j 05:25	27° Π 23'00		max. Earth dist.	-4999 Aug 27 j 19:57	26° Θ 50'03	19.48029 AU
max. Earth dist.	-5005 Jul 30 j 10:54	28° Π 20'37	19.28024 AU	morning rise	-4999 Sep 12 j 22:37	27° Θ 50'42	
					-4999 Oct 22 j 14:29	0° Ω	
conjunction	-5005 Jul 31 j 09:31	28° Π 24'13	0°39'59	retrograde	-4999 Dec 13 j 04:59	1° Ω 11'05	
minimum elong	-5005 Jul 31 j 09:30	28° Π 24'13	0°40'14		-4998 Feb 05 j 12:42	30° \mathbb{R} Θ	
morning rise	-5005 Aug 16 j 09:19	29° Π 24'50		opposition	-4998 Feb 25 j 23:07	29° Θ 09'46	0°56'50
	-5005 Aug 26 j 00:12	0° Θ		min. Earth dist.	-4998 Feb 26 j 05:30	29° Θ 09'05	17.50582 AU
retrograde	-5005 Nov 15 j 08:35	2° Θ 47'07		direct	-4998 May 14 j 06:31	27° Θ 05'04	
opposition	-5004 Jan 28 j 03:18	0° Θ 45'27	0°46'04		-4998 Aug 08 j 11:35	0° Ω	
min. Earth dist.	-5004 Jan 28 j 23:11	0° Θ 43'19	17.29007 AU	evening set	-4998 Aug 17 j 05:54	0° Ω 31'47	
	-5004 Feb 15 j 03:55	30° \mathbb{R} Π					
direct	-5004 Apr 14 j 04:42	28° Π 39'17		conjunction	-4998 Sep 02 j 01:26	1° Ω 31'09	0°51'15
	-5004 Jun 09 j 16:24	0° Θ		minimum elong	-4998 Sep 02 j 01:26	1° Ω 31'09	0°51'30
evening set	-5004 Jul 19 j 08:06	2° Θ 10'48		max. Earth dist.	-4998 Sep 01 j 19:25	1° Ω 30'12	19.53229 AU
				morning rise	-4998 Sep 17 j 18:01	2° Ω 30'05	
conjunction	-5004 Aug 04 j 10:47	3° Θ 11'48	0°42'33	retrograde	-4998 Dec 18 j 01:24	5° Ω 50'03	
minimum elong	-5004 Aug 04 j 10:46	3° Θ 11'48	0°42'49	opposition	-4997 Mar 03 j 01:31	3° Ω 48'52	0°57'19
max. Earth dist.	-5004 Aug 03 j 13:11	3° Θ 08'22	19.30042 AU	min. Earth dist.	-4997 Mar 03 j 06:25	3° Ω 48'21	17.56020 AU
morning rise	-5004 Aug 20 j 09:27	4° Θ 12'13		direct	-4997 May 19 j 08:06	1° Ω 44'36	
retrograde	-5004 Nov 19 j 08:56	7° Θ 34'18		evening set	-4997 Aug 22 j 02:27	5° Ω 10'14	
opposition	-5003 Feb 01 j 07:02	5° Θ 32'39	0°48'46				
min. Earth dist.	-5003 Feb 02 j 01:35	5° Θ 30'40	17.31279 AU	conjunction	-4997 Sep 06 j 20:55	6° Ω 09'17	0°51'33
direct	-5003 Apr 19 j 09:20	3° Θ 26'38		minimum elong	-4997 Sep 06 j 20:55	6° Ω 09'17	0°51'46
evening set	-5003 Jul 24 j 09:55	6° Θ 57'37		max. Earth dist.	-4997 Sep 06 j 16:55	6° Ω 08'40	19.58895 AU
				morning rise	-4997 Sep 22 j 12:54	7° Ω 07'57	
conjunction	-5003 Aug 09 j 11:20	7° Θ 58'23	0°44'49	retrograde	-4997 Dec 22 j 23:37	10° Ω 27'29	
minimum elong	-5003 Aug 09 j 11:20	7° Θ 58'23	0°45'06	opposition	-4996 Mar 07 j 03:06	8° Ω 26'28	0°57'26
max. Earth dist.	-5003 Aug 08 j 16:26	7° Θ 55'23	19.32569 AU	min. Earth dist.	-4996 Mar 07 j 04:33	8° Ω 26'19	17.61877 AU
morning rise	-5003 Aug 25 j 08:48	8° Θ 58'34		direct	-4996 May 23 j 10:50	6° Ω 22'38	
retrograde	-5003 Nov 24 j 09:20	12° Θ 20'23		evening set	-4996 Aug 25 j 22:01	9° Ω 47'09	
opposition	-5002 Feb 06 j 10:42	10° Θ 18'48	0°51'07				
min. Earth dist.	-5002 Feb 07 j 02:48	10° Θ 17'04	17.34048 AU	conjunction	-4996 Sep 10 j 15:41	10° Ω 45'54	0°51'30
direct	-5002 Apr 24 j 14:51	8° Θ 12'57		minimum elong	-4996 Sep 10 j 15:41	10° Ω 45'54	0°51'44
evening set	-5002 Jul 29 j 10:59	11° Θ 43'15		max. Earth dist.	-4996 Sep 10 j 14:59	10° Ω 45'47	19.64929 AU
				morning rise	-4996 Sep 26 j 06:55	11° Ω 44'18	
conjunction	-5002 Aug 14 j 11:05	12° Θ 43'46	0°46'46		-4996 Dec 15 j 17:03	15° Ω	
minimum elong	-5002 Aug 14 j 11:05	12° Θ 43'46	0°47'02	retrograde	-4996 Dec 26 j 18:47	15° Ω 03'21	
max. Earth dist.	-5002 Aug 13 j 18:06	12° Θ 41'04	19.35608 AU		-4995 Jan 07 j 00:49	15° \mathbb{R} Ω	
morning rise	-5002 Aug 30 j 07:27	13° Θ 43'44		opposition	-4995 Mar 12 j 04:35	13° Ω 02'31	0°57'10
retrograde	-5002 Nov 29 j 08:23	17° Θ 05'14		min. Earth dist.	-4995 Mar 12 j 04:41	13° Ω 02'31	17.68069 AU
opposition	-5001 Feb 11 j 14:19	15° Θ 03'40	0°53'06	direct	-4995 May 28 j 10:56	10° Ω 59'09	
min. Earth dist.	-5001 Feb 12 j 04:57	15° Θ 02'06	17.37365 AU	evening set	-4995 Aug 30 j 16:43	14° Ω 22'28	
direct	-5001 Apr 29 j 18:33	12° Θ 58'02			-4995 Sep 09 j 19:41	15° Ω	
evening set	-5001 Aug 03 j 10:59	16° Θ 27'34					
				conjunction	-4995 Sep 15 j 09:24	15° Ω 20'54	0°51'07
conjunction	-5001 Aug 19 j 09:52	17° Θ 27'48	0°48'23	minimum elong	-4995 Sep 15 j 09:24	15° Ω 20'54	0°51'19
minimum elong	-5001 Aug 19 j 09:52	17° Θ 27'48	0°48'40	max. Earth dist.	-4995 Sep 15 j 10:20	15° Ω 21'03	19.71269 AU
max. Earth dist.	-5001 Aug 18 j 19:37	17° Θ 25'32	19.39202 AU	morning rise	-4995 Oct 01 j 00:12	16° Ω 19'02	
morning rise	-5001 Sep 04 j 05:14	18° Θ 27'31		retrograde	-4995 Dec 31 j 16:05	19° Ω 37'37	
retrograde	-5001 Dec 04 j 08:16	21° Θ 48'40		opposition	-4994 Mar 17 j 05:27	17° Ω 36'56	0°56'33
opposition	-5000 Feb 16 j 17:32	19° Θ 47'09	0°54'43	min. Earth dist.	-4994 Mar 17 j 02:15	17° Ω 37'16	17.74528 AU
min. Earth dist.	-5000 Feb 17 j 05:00	19° Θ 45'56	17.41221 AU	direct	-4994 Jun 02 j 11:38	15° Ω 34'00	
direct	-5000 May 03 j 23:41	17° Θ 41'47		evening set	-4994 Sep 04 j 10:28	18° Ω 56'05	
evening set	-5000 Aug 07 j 10:15	21° Θ 10'26					
				conjunction	-4994 Sep 20 j 02:32	19° Ω 54'13	0°50'25
conjunction	-5000 Aug 23 j 07:56	22° Θ 10'23	0°49'41	minimum elong	-4994 Sep 20 j 02:32	19° Ω 54'13	0°50'36
minimum elong	-5000 Aug 23 j 07:56	22° Θ 10'23	0°49'56	max. Earth dist.	-4994 Sep 20 j 06:48	19° Ω 54'53	19.77826 AU
max. Earth dist.	-5000 Aug 22 j 20:19	22° Θ 08'33	19.43334 AU	morning rise	-4994 Oct 05 j 16:44	20° Ω 52'05	
morning rise	-5000 Sep 08 j 02:16	23° Θ 09'51		retrograde	-4993 Jan 05 j 10:20	24° Ω 10'08	
retrograde	-5000 Dec 08 j 05:43	26° Θ 30'37		opposition	-4993 Mar 22 j 05:46	22° Ω 09'37	0°55'34
opposition	-4999 Feb 20 j 20:29	24° Θ 29'11	0°55'58	min. Earth dist.	-4993 Mar 22 j 01:16	22° Ω 10'05	17.81173 AU
min. Earth dist.	-4999 Feb 21 j 06:28	24° Θ 28'08	17.45635 AU	direct	-4993 Jun 07 j 10:14	20° Ω 07'08	
direct	-4999 May 09 j 02:25	22° Θ 24'08		evening set	-4993 Sep 09 j 03:22	23° Ω 27'54	
evening set	-4999 Aug 12 j 08:37	25° Θ 51'51					
				conjunction	-4993 Sep 24 j 18:39	24° Ω 25'43	0°49'24
conjunction	-4999 Aug 28 j 05:08	26° Θ 51'31	0°50'38	minimum elong	-4993 Sep 24 j 18:39	24° Ω 25'43	0°49'35
minimum elong	-4999 Aug 28 j 05:08	26° Θ 51'31	0°50'53	max. Earth dist.	-4993 Sep 25 j 00:07	24° Ω 26'34	19.84542 AU

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Attention, astronomical year style is used: The year -4993 in astronomical counting style is the year 4994 BCE in historical counting style.

morning rise	-4993 Oct 10 j 08:40	25° Ω 23'21		direct	-4986 Jul 09 j 04:54	21° Π 01'37	
retrograde	-4992 Jan 10 j 06:12	28° Ω 40'50		evening set	-4986 Oct 08 j 22:39	24° Π 12'44	
opposition	-4992 Mar 26 j 05:19	26° Ω 40'26	0°54'15				
min. Earth dist.	-4992 Mar 25 j 21:56	26° Ω 41'12	17.87938 AU	conjunction	-4986 Oct 24 j 11:57	25° Π 08'35	0°34'53
direct	-4992 Jun 11 j 08:27	24° Ω 38'22		minimum elong	-4986 Oct 24 j 11:57	25° Π 08'35	0°34'56
evening set	-4992 Sep 12 j 19:15	27° Ω 57'49		max. Earth dist.	-4986 Oct 25 j 09:02	25° Π 11'46	20.32542 AU
				morning rise	-4986 Nov 09 j 01:48	26° Π 04'33	
conjunction	-4992 Sep 28 j 10:05	28° Ω 55'20	0°48'05	retrograde	-4985 Feb 09 j 21:45	29° Π 17'42	
minimum elong	-4992 Sep 28 j 10:06	28° Ω 55'20	0°48'14	min. Earth dist.	-4985 Apr 27 j 06:29	27° Π 19'46	18.36013 AU
max. Earth dist.	-4992 Sep 28 j 18:43	28° Ω 56'40	19.91334 AU	opposition	-4985 Apr 28 j 03:48	27° Π 17'36	0°37'05
morning rise	-4992 Oct 13 j 23:39	29° Ω 52'41		direct	-4985 Jul 13 j 22:04	25° Π 18'06	
	-4992 Oct 16 j 00:14	0° Π		evening set	-4985 Oct 13 j 08:17	28° Π 27'55	
retrograde	-4991 Jan 13 j 23:44	3° Π 09'36					
opposition	-4991 Mar 31 j 04:14	1° Π 09'18	0°52'36	conjunction	-4985 Oct 28 j 21:27	29° Π 23'32	0°31'59
min. Earth dist.	-4991 Mar 30 j 19:26	1° Π 10'12	17.94750 AU	minimum elong	-4985 Oct 28 j 21:27	29° Π 23'32	0°32'00
	-4991 Apr 30 j 00:13	30° \mathbb{R} Ω		max. Earth dist.	-4985 Oct 29 j 19:23	29° Π 26'49	20.39461 AU
direct	-4991 Jun 16 j 06:10	29° Ω 07'39			-4985 Nov 08 j 01:03	0° Ω	
	-4991 Jul 31 j 14:21	0° Π		morning rise	-4985 Nov 13 j 11:48	0° Ω 19'18	
evening set	-4991 Sep 17 j 10:20	2° Π 25'43		retrograde	-4984 Feb 14 j 11:31	3° Ω 31'52	
				opposition	-4984 May 01 j 20:44	1° Ω 31'51	0°33'45
conjunction	-4991 Oct 03 j 00:32	3° Π 22'56	0°46'29	min. Earth dist.	-4984 Apr 30 j 21:56	1° Ω 34'10	18.42925 AU
minimum elong	-4991 Oct 03 j 00:32	3° Π 22'56	0°46'38		-4984 Jun 13 j 23:45	30° \mathbb{R} Π	
max. Earth dist.	-4991 Oct 03 j 10:08	3° Π 24'25	19.98170 AU	direct	-4984 Jul 17 j 11:51	29° Π 32'44	
morning rise	-4991 Oct 18 j 14:05	4° Π 20'03			-4984 Aug 19 j 01:56	0° Ω	
retrograde	-4990 Jan 18 j 18:02	7° Π 36'21		evening set	-4984 Oct 16 j 16:57	2° Ω 41'18	
opposition	-4990 Apr 05 j 02:23	5° Π 36'06	0°50'39				
min. Earth dist.	-4990 Apr 04 j 15:01	5° Π 37'16	18.01598 AU	conjunction	-4984 Nov 01 j 06:22	3° Ω 36'42	0°28'56
direct	-4990 Jun 21 j 02:11	3° Π 34'49		minimum elong	-4984 Nov 01 j 06:22	3° Ω 36'42	0°28'57
evening set	-4990 Sep 22 j 00:10	6° Π 51'29		max. Earth dist.	-4984 Nov 02 j 07:02	3° Ω 40'23	20.46336 AU
				morning rise	-4984 Nov 16 j 20:56	4° Ω 32'17	
conjunction	-4990 Oct 07 j 14:10	7° Π 48'25	0°44'37	retrograde	-4983 Feb 17 j 23:40	7° Ω 44'18	
minimum elong	-4990 Oct 07 j 14:11	7° Π 48'25	0°44'44	min. Earth dist.	-4983 May 05 j 11:58	5° Ω 46'54	18.49748 AU
max. Earth dist.	-4990 Oct 08 j 02:58	7° Π 50'23	20.05017 AU	opposition	-4983 May 06 j 12:49	5° Ω 44'24	0°30'16
morning rise	-4990 Oct 23 j 03:30	8° Π 45'17		direct	-4983 Jul 22 j 02:54	3° Ω 45'41	
retrograde	-4989 Jan 23 j 10:24	12° Π 00'57		evening set	-4983 Oct 21 j 01:13	6° Ω 53'02	
opposition	-4989 Apr 09 j 23:42	10° Π 00'44	0°48'25				
min. Earth dist.	-4989 Apr 09 j 10:41	10° Π 02'04	18.08440 AU	conjunction	-4983 Nov 05 j 14:40	7° Ω 48'13	0°25'44
direct	-4989 Jun 25 j 23:08	7° Π 59'49		minimum elong	-4983 Nov 05 j 14:40	7° Ω 48'14	0°25'43
evening set	-4989 Sep 26 j 13:16	11° Π 15'04		max. Earth dist.	-4983 Nov 06 j 15:58	7° Ω 52'00	20.53103 AU
				morning rise	-4983 Nov 21 j 05:51	8° Ω 43'39	
conjunction	-4989 Oct 12 j 02:49	12° Π 11'43	0°42'30	retrograde	-4982 Feb 22 j 12:16	11° Ω 55'09	
minimum elong	-4989 Oct 12 j 02:49	12° Π 11'43	0°42'37	min. Earth dist.	-4982 May 10 j 02:30	9° Ω 57'56	18.56451 AU
max. Earth dist.	-4989 Oct 12 j 16:34	12° Π 13'49	20.11866 AU	opposition	-4982 May 11 j 04:13	9° Ω 55'21	0°26'39
morning rise	-4989 Oct 27 j 16:20	13° Π 08'21		direct	-4982 Jul 26 j 14:51	7° Ω 57'01	
retrograde	-4988 Jan 28 j 02:47	16° Π 23'22		evening set	-4982 Oct 25 j 08:43	11° Ω 03'13	
opposition	-4988 Apr 13 j 19:55	14° Π 23'10	0°45'55				
min. Earth dist.	-4988 Apr 13 j 04:43	14° Π 24'43	18.15301 AU	conjunction	-4982 Nov 09 j 22:35	11° Ω 58'14	0°22'25
direct	-4988 Jun 29 j 17:19	12° Π 22'35		minimum elong	-4982 Nov 09 j 22:35	11° Ω 58'14	0°22'23
evening set	-4988 Sep 30 j 01:15	15° Π 36'26		max. Earth dist.	-4982 Nov 11 j 02:10	12° Ω 02'19	20.59706 AU
				morning rise	-4982 Nov 25 j 14:10	12° Ω 53'30	
conjunction	-4988 Oct 15 j 14:44	16° Π 32'48	0°40'10	retrograde	-4981 Feb 26 j 23:55	16° Ω 04'29	
minimum elong	-4988 Oct 15 j 14:44	16° Π 32'48	0°40'15	opposition	-4981 May 15 j 18:42	14° Ω 04'49	0°22'54
max. Earth dist.	-4988 Oct 16 j 07:41	16° Π 35'23	20.18731 AU	min. Earth dist.	-4981 May 14 j 15:18	14° Ω 07'34	18.62932 AU
morning rise	-4988 Oct 31 j 04:10	17° Π 29'12		direct	-4981 Jul 31 j 04:01	12° Ω 06'53	
retrograde	-4987 Jan 31 j 17:34	20° Π 43'34		evening set	-4981 Oct 29 j 15:57	15° Ω 11'59	
opposition	-4987 Apr 18 j 15:28	18° Π 43'24	0°43'11				
min. Earth dist.	-4987 Apr 17 j 22:16	18° Π 45'09	18.22174 AU	conjunction	-4981 Nov 14 j 05:57	16° Ω 06'49	0°19'01
direct	-4987 Jul 04 j 12:43	16° Π 43'10		minimum elong	-4981 Nov 14 j 05:57	16° Ω 06'49	0°18'57
evening set	-4987 Oct 04 j 12:24	19° Π 55'37		max. Earth dist.	-4981 Nov 15 j 09:45	16° Ω 10'55	20.66051 AU
				morning rise	-4981 Nov 29 j 22:14	17° Ω 01'57	
conjunction	-4987 Oct 20 j 01:34	20° Π 51'43	0°37'37	retrograde	-4980 Mar 02 j 10:54	20° Ω 12'27	
minimum elong	-4987 Oct 20 j 01:34	20° Π 51'43	0°37'41	min. Earth dist.	-4980 May 18 j 04:55	18° Ω 15'39	18.69140 AU
max. Earth dist.	-4987 Oct 20 j 19:37	20° Π 54'27	20.25620 AU	opposition	-4980 May 19 j 08:28	18° Ω 12'53	0°19'04
morning rise	-4987 Nov 04 j 15:20	21° Π 47'54		direct	-4980 Aug 03 j 14:23	16° Ω 15'18	
retrograde	-4986 Feb 05 j 08:28	25° Π 01'40		evening set	-4980 Nov 01 j 22:34	19° Ω 19'22	
opposition	-4986 Apr 23 j 10:11	23° Π 01'30	0°40'14				
min. Earth dist.	-4986 Apr 22 j 14:58	23° Π 03'27	18.29090 AU	conjunction	-4980 Nov 17 j 13:06	20° Ω 14'03	0°15'31

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Attention, astronomical year style is used: The year -4980 in astronomical counting style is the year 4981 BCE in historical counting style.

minimum elong	-4980 Nov 17 j 13:06	20° <u>♂</u> 14'03	0°15'26	max. Earth dist.	-4975 Dec 09 j 01:53	10° <u>♂</u> 35'28	20.95974 AU
behind sun begin	-4980 Nov 17 j 10:59	20° <u>♂</u> 13'45		morning rise	-4975 Dec 23 j 15:48	11° <u>♂</u> 25'37	
behind sun end	-4980 Nov 17 j 15:13	20° <u>♂</u> 14'21		retrograde	-4974 Mar 27 j 19:03	14° <u>♂</u> 33'35	
max. Earth dist.	-4980 Nov 18 j 18:38	20° <u>♂</u> 18'23	20.72089 AU	min. Earth dist.	-4974 Jun 12 j 22:46	12° <u>♂</u> 37'04	18.97832 AU
morning rise	-4980 Dec 03 j 05:51	21° <u>♂</u> 09'03		opposition	-4974 Jun 14 j 04:04	12° <u>♂</u> 34'09	-0°04'50
retrograde	-4979 Mar 06 j 22:06	24° <u>♂</u> 19'06		direct	-4974 Aug 28 j 20:22	10° <u>♂</u> 37'48	
opposition	-4979 May 23 j 21:32	22° <u>♂</u> 19'37	0°15'08	evening set	-4974 Nov 26 j 06:07	13° <u>♂</u> 36'46	
min. Earth dist.	-4979 May 22 j 16:35	22° <u>♂</u> 22'31	18.74993 AU				
direct	-4979 Aug 08 j 02:13	20° <u>♂</u> 22'21		conjunction	-4974 Dec 12 j 00:13	14° <u>♂</u> 30'50	-0°06'10
evening set	-4979 Nov 06 j 04:50	23° <u>♂</u> 25'26		minimum elong	-4974 Dec 12 j 00:13	14° <u>♂</u> 30'49	0°06'21
				behind sun begin	-4974 Dec 11 j 18:00	14° <u>♂</u> 29'57	
conjunction	-4979 Nov 21 j 19:39	24° <u>♂</u> 19'58	0°11'58	behind sun end	-4974 Dec 12 j 06:25	14° <u>♂</u> 31'42	
minimum elong	-4979 Nov 21 j 19:40	24° <u>♂</u> 19'58	0°11'53	max. Earth dist.	-4974 Dec 13 j 08:01	14° <u>♂</u> 35'24	20.99514 AU
behind sun begin	-4979 Nov 21 j 15:03	24° <u>♂</u> 19'19			-4974 Dec 20 j 10:55	15° <u>♂</u>	
behind sun end	-4979 Nov 22 j 00:17	24° <u>♂</u> 20'38		morning rise	-4974 Dec 27 j 21:45	15° <u>♂</u> 25'23	
max. Earth dist.	-4979 Nov 23 j 01:05	24° <u>♂</u> 24'16	20.77741 AU	retrograde	-4973 Apr 01 j 03:55	18° <u>♂</u> 33'01	
morning rise	-4979 Dec 07 j 13:15	25° <u>♂</u> 14'52		min. Earth dist.	-4973 Jun 17 j 06:25	16° <u>♂</u> 36'36	19.01187 AU
retrograde	-4978 Mar 11 j 07:41	28° <u>♂</u> 24'29		opposition	-4973 Jun 18 j 12:46	16° <u>♂</u> 33'34	-0°08'46
min. Earth dist.	-4978 May 27 j 05:26	26° <u>♂</u> 27'56	18.80446 AU		-4973 Aug 02 j 17:23	15° <u>♂</u>	
opposition	-4978 May 28 j 10:02	26° <u>♂</u> 25'04	0°11'10	direct	-4973 Sep 02 j 03:35	14° <u>♂</u> 37'19	
direct	-4978 Aug 12 j 11:05	24° <u>♂</u> 28'04			-4973 Oct 01 j 21:19	15° <u>♂</u>	
evening set	-4978 Nov 10 j 10:40	27° <u>♂</u> 30'13		evening set	-4973 Nov 30 j 10:25	17° <u>♂</u> 35'41	
conjunction	-4978 Nov 26 j 02:11	28° <u>♂</u> 24'37	0°08'23	conjunction	-4973 Dec 16 j 05:05	18° <u>♂</u> 29'42	-0°09'41
minimum elong	-4978 Nov 26 j 02:11	28° <u>♂</u> 24'37	0°08'16	minimum elong	-4973 Dec 16 j 05:04	18° <u>♂</u> 29'42	0°09'53
behind sun begin	-4978 Nov 25 j 20:22	28° <u>♂</u> 23'47		behind sun begin	-4973 Dec 15 j 23:42	18° <u>♂</u> 28'57	
behind sun end	-4978 Nov 26 j 07:59	28° <u>♂</u> 25'26		behind sun end	-4973 Dec 16 j 10:27	18° <u>♂</u> 30'27	
max. Earth dist.	-4978 Nov 27 j 08:49	28° <u>♂</u> 29'05	20.82971 AU	max. Earth dist.	-4973 Dec 17 j 12:19	18° <u>♂</u> 34'11	21.02684 AU
morning rise	-4978 Dec 11 j 20:22	29° <u>♂</u> 19'25		morning rise	-4972 Jan 01 j 03:37	19° <u>♂</u> 24'14	
	-4978 Dec 24 j 00:53	0° <u>♂</u>		retrograde	-4972 Apr 04 j 10:56	22° <u>♂</u> 31'35	
retrograde	-4977 Mar 15 j 18:03	2° <u>♂</u> 28'35		opposition	-4972 Jun 21 j 21:03	20° <u>♂</u> 32'06	-0°12'39
opposition	-4977 Jun 01 j 21:28	0° <u>♂</u> 29'12	0°07'09	min. Earth dist.	-4972 Jun 20 j 15:40	20° <u>♂</u> 35'03	19.04194 AU
min. Earth dist.	-4977 May 31 j 15:47	0° <u>♂</u> 32'10	18.85444 AU	direct	-4972 Sep 05 j 08:44	18° <u>♂</u> 35'59	
	-4977 Jun 14 j 04:32	30° <u>♂</u>		evening set	-4972 Dec 03 j 14:24	21° <u>♂</u> 33'49	
direct	-4977 Aug 16 j 21:31	28° <u>♂</u> 32'26					
	-4977 Oct 15 j 15:57	0° <u>♂</u>		conjunction	-4972 Dec 19 j 10:01	22° <u>♂</u> 27'48	-0°13'09
evening set	-4977 Nov 14 j 16:12	1° <u>♂</u> 33'42		minimum elong	-4972 Dec 19 j 10:01	22° <u>♂</u> 27'48	0°13'21
				behind sun begin	-4972 Dec 19 j 06:11	22° <u>♂</u> 27'16	
conjunction	-4977 Nov 30 j 08:08	2° <u>♂</u> 27'59	0°04'46	behind sun end	-4972 Dec 19 j 13:50	22° <u>♂</u> 28'20	
minimum elong	-4977 Nov 30 j 08:08	2° <u>♂</u> 27'59	0°04'39	max. Earth dist.	-4972 Dec 20 j 18:00	22° <u>♂</u> 32'23	21.05522 AU
behind sun begin	-4977 Nov 30 j 01:43	2° <u>♂</u> 27'05		morning rise	-4971 Jan 04 j 09:21	23° <u>♂</u> 22'20	
behind sun end	-4977 Nov 30 j 14:33	2° <u>♂</u> 28'54		retrograde	-4971 Apr 08 j 19:50	26° <u>♂</u> 29'26	
max. Earth dist.	-4977 Dec 01 j 14:18	2° <u>♂</u> 32'22	20.87737 AU	min. Earth dist.	-4971 Jun 24 j 22:26	24° <u>♂</u> 33'00	19.06854 AU
morning rise	-4977 Dec 16 j 03:14	3° <u>♂</u> 22'43		opposition	-4971 Jun 26 j 04:44	24° <u>♂</u> 29'58	-0°16'27
retrograde	-4976 Mar 19 j 02:13	6° <u>♂</u> 31'27		direct	-4971 Sep 09 j 15:08	22° <u>♂</u> 33'57	
min. Earth dist.	-4976 Jun 04 j 03:27	4° <u>♂</u> 34'58	18.89993 AU	evening set	-4971 Dec 07 j 18:27	25° <u>♂</u> 31'21	
opposition	-4976 Jun 05 j 08:26	4° <u>♂</u> 32'05	0°03'08				
direct	-4976 Aug 20 j 05:07	2° <u>♂</u> 35'28		conjunction	-4971 Dec 23 j 14:47	26° <u>♂</u> 25'19	-0°16'33
evening set	-4976 Nov 17 j 21:02	5° <u>♂</u> 35'54		minimum elong	-4971 Dec 23 j 14:47	26° <u>♂</u> 25'19	0°16'46
				max. Earth dist.	-4971 Dec 24 j 22:01	26° <u>♂</u> 29'47	21.07999 AU
conjunction	-4976 Dec 03 j 13:43	6° <u>♂</u> 30'06	0°01'07	morning rise	-4970 Jan 08 j 15:14	27° <u>♂</u> 19'52	
minimum elong	-4976 Dec 03 j 13:43	6° <u>♂</u> 30'06	0°00'57		-4970 Mar 10 j 15:27	0° <u>♂</u>	
behind sun begin	-4976 Dec 03 j 07:10	6° <u>♂</u> 29'10		retrograde	-4970 Apr 13 j 02:43	0° <u>♂</u> 26'47	
behind sun end	-4976 Dec 03 j 20:16	6° <u>♂</u> 31'01			-4970 May 17 j 06:46	30° <u>♂</u>	
max. Earth dist.	-4976 Dec 04 j 21:01	6° <u>♂</u> 34'38	20.92067 AU	min. Earth dist.	-4970 Jun 29 j 07:11	28° <u>♂</u> 30'14	19.09148 AU
morning rise	-4976 Dec 19 j 09:30	7° <u>♂</u> 24'45		opposition	-4970 Jun 30 j 12:09	28° <u>♂</u> 27'20	-0°20'10
retrograde	-4975 Mar 23 j 11:39	10° <u>♂</u> 33'05		direct	-4970 Sep 13 j 19:00	26° <u>♂</u> 31'24	
desc. node	-4975 Mar 23 j 12:42	10° <u>♂</u> 33'05		evening set	-4970 Dec 11 j 22:31	29° <u>♂</u> 28'27	
opposition	-4975 Jun 09 j 18:35	8° <u>♂</u> 33'41	-0°00'52		-4970 Dec 21 j 06:33	0° <u>♂</u>	
min. Earth dist.	-4975 Jun 08 j 12:27	8° <u>♂</u> 36'42	18.94105 AU				
direct	-4975 Aug 24 j 13:56	6° <u>♂</u> 37'14		conjunction	-4970 Dec 27 j 19:51	0° <u>♂</u> 22'26	-0°19'52
evening set	-4975 Nov 22 j 01:48	9° <u>♂</u> 36'54		minimum elong	-4970 Dec 27 j 19:51	0° <u>♂</u> 22'26	0°20'05
				max. Earth dist.	-4970 Dec 29 j 03:27	0° <u>♂</u> 26'57	21.10102 AU
conjunction	-4975 Dec 07 j 19:00	10° <u>♂</u> 31'00	-0°02'36	morning rise	-4969 Jan 12 j 21:08	1° <u>♂</u> 17'00	
minimum elong	-4975 Dec 07 j 19:01	10° <u>♂</u> 31'00	0°02'45	retrograde	-4969 Apr 17 j 11:54	4° <u>♂</u> 23'45	
behind sun begin	-4975 Dec 07 j 12:28	10° <u>♂</u> 30'05		opposition	-4969 Jul 04 j 18:51	2° <u>♂</u> 24'20	-0°23'47
behind sun end	-4975 Dec 08 j 01:34	10° <u>♂</u> 31'56		min. Earth dist.	-4969 Jul 03 j 13:26	2° <u>♂</u> 27'17	19.11041 AU

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Attention, astronomical year style is used: The year -4969 in astronomical counting style is the year 4970 BCE in historical counting style.

direct	-4969 Sep 18 j 00:58	0°♂28'30			-4962 Mar 01 j 21:48	0°♂	
evening set	-4969 Dec 16 j 02:47	3°♂25'17		retrograde	-4962 May 15 j 18:47	2°♂03'26	
				opposition	-4962 Aug 01 j 12:43	0°♂03'51	-0°45'07
conjunction	-4968 Jan 01 j 00:52	4°♂19'18	-0°23'06	min. Earth dist.	-4962 Jul 31 j 17:06	0°♂05'50	19.09848 AU
minimum elong	-4968 Jan 01 j 00:52	4°♂19'18	0°23'20		-4962 Aug 03 j 02:35	30°♂♂	
max. Earth dist.	-4968 Jan 02 j 07:20	4°♂23'38	21.11780 AU	direct	-4962 Oct 15 j 06:28	28°♂07'38	
morning rise	-4968 Jan 17 j 03:15	5°♂13'55			-4962 Dec 23 j 03:21	0°♂	
retrograde	-4968 Apr 20 j 18:33	8°♂20'34		evening set	-4961 Jan 12 j 15:30	1°♂04'38	
min. Earth dist.	-4968 Jul 06 j 21:53	6°♂23'58	19.12502 AU				
opposition	-4968 Jul 08 j 01:34	6°♂21'11	-0°27'17	conjunction	-4961 Jan 28 j 20:39	1°♂59'20	-0°41'52
direct	-4968 Sep 21 j 03:56	4°♂25'25		minimum elong	-4961 Jan 28 j 20:38	1°♂59'20	0°42'08
evening set	-4968 Dec 19 j 06:58	7°♂22'00		max. Earth dist.	-4961 Jan 29 j 18:26	2°♂02'26	21.08694 AU
				morning rise	-4961 Feb 14 j 05:50	2°♂54'37	
conjunction	-4967 Jan 04 j 06:07	8°♂16'04	-0°26'13	retrograde	-4961 May 20 j 03:46	6°♂01'27	
minimum elong	-4967 Jan 04 j 06:07	8°♂16'04	0°26'27	opposition	-4961 Aug 05 j 17:50	4°♂01'45	-0°47'24
max. Earth dist.	-4967 Jan 05 j 12:35	8°♂20'24	21.13010 AU	min. Earth dist.	-4961 Aug 04 j 22:45	4°♂03'42	19.07489 AU
morning rise	-4967 Jan 20 j 09:22	9°♂10'44		direct	-4961 Oct 19 j 11:30	2°♂05'19	
retrograde	-4967 Apr 25 j 03:45	12°♂17'20		evening set	-4960 Jan 16 j 22:11	5°♂02'40	
min. Earth dist.	-4967 Jul 11 j 04:07	10°♂20'46	19.13479 AU				
opposition	-4967 Jul 12 j 07:51	10°♂17'58	-0°30'40	conjunction	-4960 Feb 02 j 04:12	5°♂57'31	-0°43'50
direct	-4967 Sep 25 j 09:50	8°♂22'15		minimum elong	-4960 Feb 02 j 04:12	5°♂57'31	0°44'06
evening set	-4967 Dec 23 j 11:45	11°♂18'44		max. Earth dist.	-4960 Feb 02 j 23:52	6°♂00'18	21.06113 AU
				morning rise	-4960 Feb 18 j 14:25	6°♂52'58	
conjunction	-4966 Jan 08 j 11:42	12°♂12'52	-0°29'13	retrograde	-4960 May 23 j 10:52	9°♂59'57	
minimum elong	-4966 Jan 08 j 11:42	12°♂12'52	0°29'28	opposition	-4960 Aug 08 j 23:13	8°♂00'08	-0°49'29
max. Earth dist.	-4966 Jan 09 j 16:30	12°♂16'58	21.13722 AU	min. Earth dist.	-4960 Aug 08 j 06:35	8°♂01'49	19.04705 AU
morning rise	-4966 Jan 24 j 16:04	13°♂07'36		direct	-4960 Oct 22 j 15:08	6°♂03'29	
retrograde	-4966 Apr 29 j 10:45	16°♂14'10		evening set	-4959 Jan 20 j 05:02	9°♂01'13	
opposition	-4966 Jul 16 j 13:57	14°♂14'50	-0°33'55				
min. Earth dist.	-4966 Jul 15 j 12:30	14°♂17'23	19.13923 AU	conjunction	-4959 Feb 05 j 12:13	9°♂56'15	-0°45'36
direct	-4966 Sep 29 j 12:42	12°♂19'06		minimum elong	-4959 Feb 05 j 12:13	9°♂56'15	0°45'52
evening set	-4966 Dec 27 j 16:41	15°♂15'34		max. Earth dist.	-4959 Feb 06 j 06:53	9°♂58'54	21.03140 AU
				morning rise	-4959 Feb 21 j 23:19	10°♂51'51	
conjunction	-4965 Jan 12 j 17:46	16°♂09'47	-0°32'04	retrograde	-4959 May 27 j 20:55	13°♂59'04	
minimum elong	-4965 Jan 12 j 17:46	16°♂09'47	0°32'19	opposition	-4959 Aug 13 j 04:26	11°♂59'07	-0°51'20
max. Earth dist.	-4965 Jan 13 j 21:51	16°♂13'46	21.13884 AU	min. Earth dist.	-4959 Aug 12 j 12:19	12°♂00'46	19.01539 AU
morning rise	-4965 Jan 28 j 23:00	17°♂04'36		direct	-4959 Oct 26 j 20:34	10°♂02'14	
retrograde	-4965 May 03 j 19:33	20°♂11'09		evening set	-4958 Jan 24 j 12:44	13°♂00'28	
opposition	-4965 Jul 20 j 19:48	18°♂11'48	-0°36'59				
min. Earth dist.	-4965 Jul 19 j 18:41	18°♂14'20	19.13784 AU	conjunction	-4958 Feb 09 j 20:50	13°♂55'42	-0°47'10
direct	-4965 Oct 03 j 18:21	16°♂16'01		minimum elong	-4958 Feb 09 j 20:50	13°♂55'42	0°47'25
evening set	-4965 Dec 31 j 21:57	19°♂12'32		max. Earth dist.	-4958 Feb 10 j 13:17	13°♂58'02	20.99790 AU
				morning rise	-4958 Feb 26 j 08:54	14°♂51'30	
conjunction	-4964 Jan 16 j 23:51	20°♂06'50	-0°34'47	retrograde	-4958 Jun 01 j 04:13	17°♂58'56	
minimum elong	-4964 Jan 16 j 23:51	20°♂06'50	0°35'02	opposition	-4958 Aug 17 j 09:48	15°♂58'55	-0°52'56
max. Earth dist.	-4964 Jan 18 j 01:51	20°♂10'31	21.13440 AU	min. Earth dist.	-4958 Aug 16 j 20:17	16°♂00'18	18.98019 AU
morning rise	-4964 Feb 02 j 06:10	21°♂01'45		direct	-4958 Oct 30 j 23:57	14°♂01'47	
retrograde	-4964 May 07 j 02:52	24°♂08'21		evening set	-4957 Jan 28 j 20:53	17°♂00'36	
min. Earth dist.	-4964 Jul 23 j 03:00	22°♂11'14	19.13042 AU				
opposition	-4964 Jul 24 j 01:41	22°♂08'56	-0°39'53	conjunction	-4957 Feb 14 j 06:07	17°♂56'03	-0°48'30
direct	-4964 Oct 06 j 21:37	20°♂13'04		minimum elong	-4957 Feb 14 j 06:07	17°♂56'03	0°48'45
evening set	-4963 Jan 04 j 03:25	23°♂09'40		max. Earth dist.	-4957 Feb 14 j 21:15	17°♂58'12	20.96113 AU
				morning rise	-4957 Mar 02 j 18:59	18°♂52'01	
conjunction	-4963 Jan 20 j 06:29	24°♂04'05	-0°37'19	retrograde	-4957 Jun 05 j 15:07	21°♂59'45	
minimum elong	-4963 Jan 20 j 06:29	24°♂04'05	0°37'36	opposition	-4957 Aug 21 j 15:16	19°♂59'40	-0°54'17
max. Earth dist.	-4963 Jan 21 j 07:31	24°♂07'38	21.12412 AU	min. Earth dist.	-4957 Aug 21 j 02:23	20°♂00'59	18.94173 AU
morning rise	-4963 Feb 05 j 13:42	24°♂59'07		direct	-4957 Nov 04 j 06:21	18°♂02'19	
retrograde	-4963 May 11 j 11:29	28°♂05'45		evening set	-4956 Feb 02 j 05:38	21°♂01'47	
min. Earth dist.	-4963 Jul 27 j 09:00	26°♂08'31	19.11718 AU				
opposition	-4963 Jul 28 j 07:10	26°♂06'16	-0°42'36	conjunction	-4956 Feb 18 j 15:44	21°♂57'27	-0°49'36
direct	-4963 Oct 11 j 02:51	24°♂10'14		minimum elong	-4956 Feb 18 j 15:44	21°♂57'27	0°49'52
evening set	-4962 Jan 08 j 09:20	27°♂07'00		max. Earth dist.	-4956 Feb 19 j 04:38	21°♂59'17	20.92102 AU
				morning rise	-4956 Mar 06 j 05:30	22°♂53'37	
conjunction	-4962 Jan 24 j 13:19	28°♂01'34	-0°39'41	retrograde	-4956 Jun 08 j 23:00	26°♂01'43	
minimum elong	-4962 Jan 24 j 13:19	28°♂01'34	0°39'57	opposition	-4956 Aug 24 j 21:10	24°♂01'33	-0°55'23
max. Earth dist.	-4962 Jan 25 j 12:08	28°♂04'47	21.10809 AU	min. Earth dist.	-4956 Aug 24 j 10:56	24°♂02'36	18.90002 AU
morning rise	-4962 Feb 09 j 21:40	28°♂56'43		direct	-4956 Nov 07 j 09:59	22°♂03'58	

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Attention, astronomical year style is used: The year -4955 in astronomical counting style is the year 4956 BCE in historical counting style.

evening set	-4955 Feb 05 j 15:09	25° \approx 04'11		conjunction	-4949 Mar 20 j 11:02	20° \approx 47'01	-0°50'12
				minimum elong	-4949 Mar 20 j 11:02	20° \approx 47'01	0°50'23
conjunction	-4955 Feb 22 j 02:21	26° \approx 00'05	-0°50'28	max. Earth dist.	-4949 Mar 20 j 06:36	20° \approx 46'23	20.53979 AU
minimum elong	-4955 Feb 22 j 02:21	26° \approx 00'05	0°50'42	morning rise	-4949 Apr 06 j 05:25	21° \approx 44'51	
max. Earth dist.	-4955 Feb 22 j 13:38	26° \approx 01'41	20.87782 AU	retrograde	-4949 Jul 09 j 09:14	24° \approx 56'05	
morning rise	-4955 Mar 10 j 16:54	26° \approx 56'28		opposition	-4949 Sep 23 j 00:23	22° \approx 55'16	-0°55'07
	-4955 May 30 j 06:49	0° \approx		min. Earth dist.	-4949 Sep 23 j 04:22	22° \approx 54'51	18.50578 AU
retrograde	-4955 Jun 13 j 10:42	0° \approx 04'56		direct	-4949 Dec 06 j 16:54	20° \approx 55'17	
	-4955 Jun 27 j 12:57	30° \approx 8'3		evening set	-4948 Mar 07 j 09:56	24° \approx 02'24	
opposition	-4955 Aug 29 j 03:05	28° \approx 04'44	-0°56'13				
min. Earth dist.	-4955 Aug 28 j 17:49	28° \approx 05'41	18.85508 AU	conjunction	-4948 Mar 24 j 03:07	25° \approx 00'13	-0°49'12
direct	-4955 Nov 11 j 17:27	26° \approx 06'54		minimum elong	-4948 Mar 24 j 03:07	25° \approx 00'14	0°49'22
evening set	-4954 Feb 10 j 01:38	29° \approx 07'56		max. Earth dist.	-4948 Mar 23 j 20:24	24° \approx 59'15	20.47115 AU
	-4954 Feb 25 j 09:08	0° \approx		morning rise	-4948 Apr 09 j 21:53	25° \approx 58'18	
				retrograde	-4948 Jul 12 j 21:46	29° \approx 10'02	
conjunction	-4954 Feb 26 j 13:44	0° \approx 04'05	-0°51'05	opposition	-4948 Sep 26 j 09:43	27° \approx 09'03	-0°53'52
minimum elong	-4954 Feb 26 j 13:44	0° \approx 04'05	0°51'20	min. Earth dist.	-4948 Sep 26 j 16:33	27° \approx 08'20	18.43608 AU
max. Earth dist.	-4954 Feb 26 j 22:27	0° \approx 05'20	20.83111 AU	direct	-4948 Dec 10 j 02:15	25° \approx 08'37	
morning rise	-4954 Mar 15 j 05:05	1° \approx 00'42		evening set	-4947 Mar 12 j 02:18	28° \approx 16'53	
retrograde	-4954 Jun 17 j 19:44	4° \approx 09'35					
opposition	-4954 Sep 02 j 09:36	2° \approx 09'20	-0°56'46	conjunction	-4947 Mar 28 j 20:09	29° \approx 15'01	-0°47'56
min. Earth dist.	-4954 Sep 02 j 03:21	2° \approx 09'59	18.80656 AU	minimum elong	-4947 Mar 28 j 20:09	29° \approx 15'01	0°48'05
direct	-4954 Nov 15 j 22:17	0° \approx 11'14		max. Earth dist.	-4947 Mar 28 j 10:43	29° \approx 13'38	20.40069 AU
evening set	-4953 Feb 14 j 12:51	3° \approx 13'10			-4947 Apr 10 j 17:56	0° \approx	
				morning rise	-4947 Apr 14 j 15:22	0° \approx 13'21	
conjunction	-4953 Mar 03 j 01:56	4° \approx 09'35	-0°51'27	retrograde	-4947 Jul 17 j 12:58	3° \approx 25'36	
minimum elong	-4953 Mar 03 j 01:56	4° \approx 09'35	0°51'40	opposition	-4947 Sep 30 j 19:21	1° \approx 24'26	-0°52'20
max. Earth dist.	-4953 Mar 03 j 08:29	4° \approx 10'31	20.78078 AU	min. Earth dist.	-4947 Oct 01 j 03:29	1° \approx 23'34	18.36491 AU
morning rise	-4953 Mar 19 j 17:57	5° \approx 06'25			-4947 Nov 06 j 11:44	30° \approx	
retrograde	-4953 Jun 22 j 08:07	8° \approx 15'45		direct	-4947 Dec 14 j 14:07	29° \approx 23'31	
opposition	-4953 Sep 06 j 16:20	6° \approx 15'27	-0°57'02		-4946 Jan 21 j 04:06	0° \approx	
min. Earth dist.	-4953 Sep 06 j 11:18	6° \approx 15'58	18.75423 AU	evening set	-4946 Mar 16 j 19:35	2° \approx 33'01	
direct	-4953 Nov 20 j 06:27	4° \approx 17'03					
evening set	-4952 Feb 19 j 01:02	7° \approx 19'56		conjunction	-4946 Apr 02 j 14:04	3° \approx 31'27	-0°46'23
				minimum elong	-4946 Apr 02 j 14:04	3° \approx 31'27	0°46'31
conjunction	-4952 Mar 06 j 14:56	8° \approx 16'37	-0°51'33	max. Earth dist.	-4946 Apr 02 j 02:42	3° \approx 29'47	20.32893 AU
minimum elong	-4952 Mar 06 j 14:56	8° \approx 16'37	0°51'46	morning rise	-4946 Apr 19 j 09:26	4° \approx 30'03	
max. Earth dist.	-4952 Mar 06 j 18:42	8° \approx 17'10	20.72639 AU	retrograde	-4946 Jul 22 j 02:52	7° \approx 42'50	
morning rise	-4952 Mar 23 j 07:37	9° \approx 13'42		opposition	-4946 Oct 05 j 05:51	5° \approx 41'30	-0°50'29
retrograde	-4952 Jun 25 j 18:33	12° \approx 23'30		min. Earth dist.	-4946 Oct 05 j 16:32	5° \approx 40'22	18.29287 AU
opposition	-4952 Sep 09 j 23:43	10° \approx 23'06	-0°57'01	direct	-4946 Dec 19 j 00:56	3° \approx 40'07	
min. Earth dist.	-4952 Sep 09 j 21:49	10° \approx 23'18	18.69783 AU	evening set	-4945 Mar 21 j 13:36	6° \approx 50'52	
direct	-4952 Nov 23 j 13:00	8° \approx 24'23					
evening set	-4951 Feb 22 j 13:56	11° \approx 28'15		conjunction	-4945 Apr 07 j 08:30	7° \approx 49'36	-0°44'34
				minimum elong	-4945 Apr 07 j 08:30	7° \approx 49'36	0°44'41
conjunction	-4951 Mar 11 j 04:47	12° \approx 25'13	-0°51'22	max. Earth dist.	-4945 Apr 06 j 18:30	7° \approx 47'33	20.25682 AU
minimum elong	-4951 Mar 11 j 04:47	12° \approx 25'13	0°51'35	morning rise	-4945 Apr 24 j 04:10	8° \approx 48'27	
max. Earth dist.	-4951 Mar 11 j 05:56	12° \approx 25'23	20.66805 AU	retrograde	-4945 Jul 26 j 19:03	12° \approx 01'50	
morning rise	-4951 Mar 27 j 22:07	13° \approx 22'32		opposition	-4945 Oct 09 j 16:52	10° \approx 00'20	-0°48'21
	-4951 Apr 28 j 09:56	15° \approx		min. Earth dist.	-4945 Oct 10 j 04:40	9° \approx 59'05	18.22083 AU
retrograde	-4951 Jun 30 j 07:38	16° \approx 32'49		direct	-4945 Dec 23 j 14:02	7° \approx 58'31	
	-4951 Sep 03 j 04:33	15° \approx 8'8		evening set	-4944 Mar 25 j 08:30	11° \approx 10'34	
opposition	-4951 Sep 14 j 07:27	14° \approx 32'18	-0°56'41				
min. Earth dist.	-4951 Sep 14 j 06:58	14° \approx 32'21	18.63738 AU	conjunction	-4944 Apr 11 j 03:56	12° \approx 09'36	-0°42'30
direct	-4951 Nov 27 j 22:13	12° \approx 33'12		minimum elong	-4944 Apr 11 j 03:56	12° \approx 09'36	0°42'36
	-4950 Feb 15 j 14:27	15° \approx		max. Earth dist.	-4944 Apr 10 j 12:32	12° \approx 07'20	20.18488 AU
evening set	-4950 Feb 27 j 03:54	15° \approx 38'07		morning rise	-4944 Apr 27 j 23:34	13° \approx 08'43	
				retrograde	-4944 Jul 30 j 10:41	16° \approx 22'40	
conjunction	-4950 Mar 15 j 19:33	16° \approx 35'21	-0°50'55	opposition	-4944 Oct 13 j 04:39	14° \approx 21'04	-0°45'55
minimum elong	-4950 Mar 15 j 19:33	16° \approx 35'21	0°51'07	min. Earth dist.	-4944 Oct 13 j 18:40	14° \approx 19'34	18.14926 AU
max. Earth dist.	-4950 Mar 15 j 17:52	16° \approx 35'07	20.60559 AU	direct	-4944 Dec 27 j 02:26	12° \approx 18'50	
morning rise	-4950 Apr 01 j 13:24	17° \approx 32'56		evening set	-4943 Mar 30 j 04:24	15° \approx 32'13	
retrograde	-4950 Jul 04 j 19:12	20° \approx 43'40		max. Earth dist.	-4943 Apr 15 j 05:56	16° \approx 28'51	20.11384 AU
opposition	-4950 Sep 18 j 15:42	18° \approx 43'02	-0°56'03				
min. Earth dist.	-4950 Sep 18 j 18:21	18° \approx 42'45	18.57309 AU	conjunction	-4943 Apr 16 j 00:07	16° \approx 31'33	-0°40'10
direct	-4950 Dec 02 j 06:21	16° \approx 43'30		minimum elong	-4943 Apr 16 j 00:08	16° \approx 31'33	0°40'14
evening set	-4949 Mar 03 j 18:35	19° \approx 49'29		morning rise	-4943 May 02 j 19:57	17° \approx 30'56	

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Attention, astronomical year style is used: The year -4943 in astronomical counting style is the year 4944 BCE in historical counting style.

retrograde	-4943 Aug 04 j 04:10	20° H 45'30		conjunction	-4936 May 18 j 20:52	18° Y 04'20	-0°17'27
opposition	-4943 Oct 17 j 17:12	18° H 43'48	-0°43'12	minimum elong	-4936 May 18 j 20:53	18° Y 04'20	0°17'23
min. Earth dist.	-4943 Oct 18 j 08:22	18° H 42'10	18.07875 AU	max. Earth dist.	-4936 May 17 j 14:55	17° Y 59'45	19.65015 AU
direct	-4943 Dec 31 j 16:45	16° H 41'10		morning rise	-4936 Jun 04 j 13:58	19° Y 05'12	
evening set	-4942 Apr 04 j 01:12	19° H 55'56		retrograde	-4936 Sep 04 j 20:44	22° Y 23'58	
				opposition	-4936 Nov 17 j 09:15	20° Y 21'55	-0°17'15
conjunction	-4942 Apr 20 j 21:18	20° H 55'34	-0°37'35	min. Earth dist.	-4936 Nov 18 j 11:02	20° Y 19'06	17.62014 AU
minimum elong	-4942 Apr 20 j 21:19	20° H 55'35	0°37'39	direct	-4935 Jan 31 j 22:49	18° Y 16'52	
max. Earth dist.	-4942 Apr 20 j 02:05	20° H 52'43	20.04381 AU	evening set	-4935 May 07 j 04:00	21° Y 41'01	
morning rise	-4942 May 07 j 16:52	21° H 55'12					
retrograde	-4942 Aug 08 j 21:50	25° H 10'23		conjunction	-4935 May 23 j 23:04	22° Y 42'23	-0°13'30
opposition	-4942 Oct 22 j 06:34	23° H 08'39	-0°40'13	minimum elong	-4935 May 23 j 23:04	22° Y 42'23	0°13'25
min. Earth dist.	-4942 Oct 22 j 23:42	23° H 06'48	18.00934 AU	behind sun begin	-4935 May 23 j 19:23	22° Y 41'50	
direct	-4941 Jan 05 j 07:05	21° H 05'40		behind sun end	-4935 May 24 j 02:45	22° Y 42'56	
evening set	-4941 Apr 08 j 23:02	24° H 21'50		max. Earth dist.	-4935 May 22 j 14:45	22° Y 37'25	19.59033 AU
				morning rise	-4935 Jun 09 j 15:31	23° Y 43'23	
conjunction	-4941 Apr 25 j 19:10	25° H 21'45	-0°34'46	retrograde	-4935 Sep 09 j 17:11	27° Y 02'40	
minimum elong	-4941 Apr 25 j 19:10	25° H 21'45	0°34'48	opposition	-4935 Nov 22 j 04:43	25° Y 00'30	-0°12'47
max. Earth dist.	-4941 Apr 24 j 21:03	25° H 18'27	19.97515 AU	min. Earth dist.	-4935 Nov 23 j 08:03	24° Y 57'31	17.56185 AU
morning rise	-4941 May 12 j 14:43	26° H 21'38		direct	-4934 Feb 05 j 21:10	22° Y 55'05	
retrograde	-4941 Aug 13 j 16:25	29° H 37'28		evening set	-4934 May 12 j 07:04	26° Y 20'23	
opposition	-4941 Oct 26 j 20:46	27° H 35'41	-0°36'58	max. Earth dist.	-4934 May 27 j 17:22	27° Y 16'57	19.53361 AU
min. Earth dist.	-4941 Oct 27 j 15:14	27° H 33'41	17.94139 AU				
direct	-4940 Jan 09 j 22:44	25° H 32'22		conjunction	-4934 May 29 j 01:41	27° Y 21'55	-0°09'27
evening set	-4940 Apr 12 j 21:35	28° H 49'56		minimum elong	-4934 May 29 j 01:41	27° Y 21'55	0°09'21
				behind sun begin	-4934 May 28 j 20:03	27° Y 21'04	
conjunction	-4940 Apr 29 j 17:58	29° H 50'08	-0°31'42	behind sun end	-4934 May 29 j 07:19	27° Y 22'46	
minimum elong	-4940 Apr 29 j 17:59	29° H 50'08	0°31'43	morning rise	-4934 Jun 14 j 17:12	28° Y 23'03	
max. Earth dist.	-4940 Apr 28 j 19:05	29° H 46'42	19.90772 AU		-4934 Jul 13 j 16:09	0° B	
	-4940 May 02 j 11:34	0° Y		retrograde	-4934 Sep 14 j 15:47	1° B 42'46	
morning rise	-4940 May 16 j 13:06	0° Y 50'14			-4934 Nov 19 j 14:04	30° R Y	
retrograde	-4940 Aug 17 j 12:02	4° Y 06'43		opposition	-4934 Nov 27 j 00:56	29° Y 40'31	-0°08'13
opposition	-4940 Oct 30 j 11:55	2° Y 04'54	-0°33'27	min. Earth dist.	-4934 Nov 28 j 04:21	29° Y 37'32	17.50691 AU
min. Earth dist.	-4940 Oct 31 j 08:12	2° Y 02'43	17.87452 AU	direct	-4933 Feb 10 j 21:12	27° Y 34'47	
direct	-4939 Jan 13 j 15:23	0° Y 01'16			-4933 Apr 29 j 20:51	0° B	
evening set	-4939 Apr 17 j 21:25	3° Y 20'14		evening set	-4933 May 17 j 10:41	1° B 01'10	
				max. Earth dist.	-4933 Jun 01 j 18:52	1° B 57'37	19.48067 AU
conjunction	-4939 May 04 j 17:37	4° Y 20'42	-0°28'25				
minimum elong	-4939 May 04 j 17:37	4° Y 20'42	0°28'25	conjunction	-4933 Jun 03 j 04:34	2° B 02'50	-0°05'20
max. Earth dist.	-4939 May 03 j 15:36	4° Y 16'47	19.84142 AU	minimum elong	-4933 Jun 03 j 04:33	2° B 02'50	0°05'12
morning rise	-4939 May 21 j 12:32	5° Y 21'02		behind sun begin	-4933 Jun 02 j 22:00	2° B 01'50	
retrograde	-4939 Aug 22 j 07:05	8° Y 38'08		behind sun end	-4933 Jun 03 j 11:06	2° B 03'49	
opposition	-4939 Nov 04 j 03:52	6° Y 36'16	-0°29'42	morning rise	-4933 Jun 19 j 19:12	3° B 04'04	
min. Earth dist.	-4939 Nov 05 j 01:47	6° Y 33'53	17.80884 AU	retrograde	-4933 Sep 19 j 13:15	6° B 24'13	
direct	-4938 Jan 18 j 09:17	4° Y 32'17		opposition	-4933 Dec 01 j 21:56	4° B 21'52	-0°03'34
evening set	-4938 Apr 22 j 21:59	7° Y 52'37		min. Earth dist.	-4933 Dec 03 j 02:37	4° B 18'44	17.45632 AU
				direct	-4932 Feb 15 j 20:22	2° B 15'48	
conjunction	-4938 May 09 j 18:13	8° Y 53'21	-0°24'56	evening set	-4932 May 21 j 14:30	5° B 43'11	
minimum elong	-4938 May 09 j 18:13	8° Y 53'21	0°24'54	max. Earth dist.	-4932 Jun 05 j 22:19	6° B 39'48	19.43242 AU
max. Earth dist.	-4938 May 08 j 15:29	8° Y 49'18	19.77620 AU				
morning rise	-4938 May 26 j 12:29	9° Y 53'52		conjunction	-4932 Jun 07 j 07:42	6° B 44'59	-0°01'07
retrograde	-4938 Aug 27 j 03:49	13° Y 11'33		minimum elong	-4932 Jun 07 j 07:41	6° B 44'59	0°00'58
opposition	-4938 Nov 08 j 20:54	11° Y 09'39	-0°25'44	behind sun begin	-4932 Jun 07 j 00:56	6° B 43'58	
min. Earth dist.	-4938 Nov 09 j 20:12	11° Y 07'07	17.74422 AU	behind sun end	-4932 Jun 07 j 14:27	6° B 46'00	
direct	-4937 Jan 23 j 04:30	9° Y 05'20		morning rise	-4932 Jun 23 j 21:23	7° B 46'18	
evening set	-4937 Apr 27 j 23:18	12° Y 26'59		asc. node	-4932 Sep 10 j 08:36	11° B 01'54	
				retrograde	-4932 Sep 23 j 13:23	11° B 06'50	
conjunction	-4937 May 14 j 19:06	13° Y 27'57	-0°21'16	opposition	-4932 Dec 05 j 19:40	9° B 04'25	0°01'07
minimum elong	-4937 May 14 j 19:06	13° Y 27'57	0°21'14	min. Earth dist.	-4932 Dec 06 j 23:44	9° B 01'21	17.41054 AU
max. Earth dist.	-4937 May 13 j 13:31	13° Y 23'27	19.71228 AU	direct	-4931 Feb 19 j 21:54	6° B 58'05	
morning rise	-4937 May 31 j 12:57	14° Y 28'38		evening set	-4931 May 26 j 18:49	10° B 26'24	
retrograde	-4937 Aug 31 j 23:23	17° Y 46'55		max. Earth dist.	-4931 Jun 11 j 01:23	11° B 23'02	19.38928 AU
opposition	-4937 Nov 13 j 14:44	15° Y 44'55	-0°21'34				
min. Earth dist.	-4937 Nov 14 j 15:39	15° Y 42'12	17.68122 AU	conjunction	-4931 Jun 12 j 11:07	11° B 28'17	0°03'12
direct	-4936 Jan 28 j 01:01	13° Y 40'14		minimum elong	-4931 Jun 12 j 11:06	11° B 28'17	0°03'23
evening set	-4936 May 02 j 01:14	17° Y 03'10		behind sun begin	-4931 Jun 12 j 04:24	11° B 27'16	
				behind sun end	-4931 Jun 12 j 17:49	11° B 29'18	

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Attention, astronomical year style is used: The year -4931 in astronomical counting style is the year 4932 BCE in historical counting style.

morning rise	-4931 Jun 28 j 23:39	12° 8 29'40		evening set	-4925 Jun 25 j 23:14	9° II 06'09	
	-4931 Aug 16 j 14:39	15° 8		max. Earth dist.	-4925 Jul 11 j 04:04	10° II 03'26	19.25822 AU
retrograde	-4931 Sep 28 j 11:36	15° 8 50'33					
	-4931 Nov 11 j 11:51	15° 8		conjunction	-4925 Jul 12 j 08:49	10° II 07'59	0°27'17
opposition	-4931 Dec 10 j 18:14	13° 8 48'06	0°05'49	minimum elong	-4925 Jul 12 j 08:48	10° II 07'59	0°27'32
min. Earth dist.	-4931 Dec 11 j 23:15	13° 8 44'55	17.37038 AU	morning rise	-4925 Jul 28 j 13:51	11° II 09'11	
direct	-4930 Feb 24 j 21:34	11° 8 41'32		retrograde	-4925 Oct 27 j 15:03	14° II 31'31	
	-4930 May 29 j 00:38	15° 8		opposition	-4924 Jan 08 j 23:45	12° II 29'31	0°32'25
evening set	-4930 May 31 j 23:21	15° 8 10'43		min. Earth dist.	-4924 Jan 10 j 01:31	12° II 26'43	17.25706 AU
max. Earth dist.	-4930 Jun 16 j 05:19	16° 8 07'26	19.35214 AU	direct	-4924 Mar 25 j 16:07	10° II 22'51	
				evening set	-4924 Jun 30 j 03:53	13° II 54'59	
conjunction	-4930 Jun 17 j 14:40	16° 8 12'39	0°07'24	max. Earth dist.	-4924 Jul 15 j 07:16	14° II 52'09	19.25627 AU
minimum elong	-4930 Jun 17 j 14:40	16° 8 12'39	0°07'34				
behind sun begin	-4930 Jun 17 j 08:33	16° 8 11'43		conjunction	-4924 Jul 16 j 11:59	14° II 56'42	0°30'50
behind sun end	-4930 Jun 17 j 20:46	16° 8 13'35		minimum elong	-4924 Jul 16 j 11:59	14° II 56'42	0°31'05
morning rise	-4930 Jul 04 j 02:08	17° 8 14'04		morning rise	-4924 Aug 01 j 15:54	15° II 57'47	
retrograde	-4930 Oct 03 j 13:04	20° 8 35'17		retrograde	-4924 Oct 31 j 16:49	19° II 20'12	
opposition	-4930 Dec 15 j 17:30	18° 8 32'50	0°10'30	opposition	-4923 Jan 13 j 02:35	17° II 18'16	0°36'16
min. Earth dist.	-4930 Dec 16 j 21:14	18° 8 29'48	17.33630 AU	min. Earth dist.	-4923 Jan 14 j 02:46	17° II 15'39	17.25766 AU
direct	-4929 Mar 02 j 00:31	16° 8 26'08		direct	-4923 Mar 30 j 22:34	15° II 11'41	
evening set	-4929 Jun 06 j 03:52	19° 8 56'03		evening set	-4923 Jul 05 j 08:02	18° II 43'52	
max. Earth dist.	-4929 Jun 21 j 09:37	20° 8 52'55	19.32116 AU				
				conjunction	-4923 Jul 21 j 14:57	19° II 45'27	0°34'10
conjunction	-4929 Jun 22 j 18:13	20° 8 58'02	0°11'33	minimum elong	-4923 Jul 21 j 14:57	19° II 45'27	0°34'26
minimum elong	-4929 Jun 22 j 18:13	20° 8 58'02	0°11'44	max. Earth dist.	-4923 Jul 20 j 12:41	19° II 41'17	19.25932 AU
behind sun begin	-4929 Jun 22 j 13:31	20° 8 57'19		morning rise	-4923 Aug 06 j 17:22	20° II 46'23	
behind sun end	-4929 Jun 22 j 22:55	20° 8 58'45		retrograde	-4923 Nov 05 j 16:36	24° II 08'48	
morning rise	-4929 Jul 09 j 04:25	21° 8 59'28		opposition	-4922 Jan 18 j 05:53	22° II 06'57	0°39'51
retrograde	-4929 Oct 08 j 11:51	25° 8 20'59		min. Earth dist.	-4922 Jan 19 j 05:23	22° II 04'25	17.26315 AU
opposition	-4929 Dec 20 j 17:33	23° 8 18'35	0°15'07	direct	-4922 Apr 05 j 03:43	20° II 00'29	
min. Earth dist.	-4929 Dec 21 j 21:55	23° 8 15'29	17.30855 AU	evening set	-4922 Jul 10 j 11:55	23° II 32'34	
direct	-4928 Mar 06 j 01:02	21° 8 11'48					
evening set	-4928 Jun 10 j 08:45	24° 8 42'24		conjunction	-4922 Jul 26 j 17:19	24° II 33'58	0°37'15
				minimum elong	-4922 Jul 26 j 17:19	24° II 33'58	0°37'30
conjunction	-4928 Jun 26 j 21:55	25° 8 44'23	0°15'39	max. Earth dist.	-4922 Jul 25 j 15:27	24° II 29'52	19.26742 AU
minimum elong	-4928 Jun 26 j 21:55	25° 8 44'23	0°15'52	morning rise	-4922 Aug 11 j 18:35	25° II 34'46	
behind sun begin	-4928 Jun 26 j 21:26	25° 8 44'19		retrograde	-4922 Nov 10 j 17:26	28° II 57'07	
behind sun end	-4928 Jun 26 j 22:23	25° 8 44'28		opposition	-4921 Jan 23 j 09:19	26° II 55'19	0°43'09
max. Earth dist.	-4928 Jun 25 j 13:32	25° 8 39'18	19.29662 AU	min. Earth dist.	-4921 Jan 24 j 07:10	26° II 52'58	17.27387 AU
morning rise	-4928 Jul 13 j 07:02	26° 8 45'48		direct	-4921 Apr 10 j 09:27	24° II 48'57	
	-4928 Sep 26 j 05:11	0° II		evening set	-4921 Jul 15 j 14:55	28° II 20'47	
retrograde	-4928 Oct 12 j 13:48	0° II 07'35					
	-4928 Oct 28 j 23:10	30° 8		conjunction	-4921 Jul 31 j 19:09	29° II 22'01	0°40'04
opposition	-4928 Dec 24 j 17:59	28° 8 05'16	0°19'39	minimum elong	-4921 Jul 31 j 19:09	29° II 22'01	0°40'20
min. Earth dist.	-4928 Dec 25 j 20:56	28° 8 02'19	17.28705 AU	max. Earth dist.	-4921 Jul 30 j 20:07	29° II 18'21	19.28073 AU
direct	-4927 Mar 11 j 05:12	25° 8 58'27			-4921 Aug 10 j 18:30	0° III	
evening set	-4927 Jun 15 j 13:39	29° 8 29'38		morning rise	-4921 Aug 16 j 19:04	0° III 22'37	
	-4927 Jun 23 j 17:02	0° II		retrograde	-4921 Nov 15 j 17:45	3° III 44'50	
max. Earth dist.	-4927 Jun 30 j 18:51	0° II 26'44	19.27809 AU	opposition	-4920 Jan 28 j 12:52	1° III 43'06	0°46'08
				min. Earth dist.	-4920 Jan 29 j 09:15	1° III 40'55	17.28965 AU
conjunction	-4927 Jul 02 j 01:45	0° II 31'36	0°19'40		-4920 Mar 15 j 09:04	30° 8 II	
minimum elong	-4927 Jul 02 j 01:45	0° II 31'36	0°19'52	direct	-4920 Apr 14 j 14:55	29° II 36'53	
morning rise	-4927 Jul 18 j 09:26	1° II 32'58			-4920 May 14 j 07:00	0° III	
retrograde	-4927 Oct 17 j 13:17	4° II 54'59		evening set	-4920 Jul 19 j 17:32	3° III 08'20	
opposition	-4927 Dec 29 j 19:25	2° II 52'47	0°24'05				
min. Earth dist.	-4927 Dec 30 j 22:46	2° II 49'48	17.27149 AU	conjunction	-4920 Aug 04 j 20:18	4° III 09'20	0°42'36
direct	-4926 Mar 16 j 07:06	0° II 46'00		minimum elong	-4920 Aug 04 j 20:18	4° III 09'20	0°42'52
evening set	-4926 Jun 20 j 18:32	4° II 17'38		max. Earth dist.	-4920 Aug 03 j 22:16	4° III 05'50	19.29923 AU
max. Earth dist.	-4926 Jul 05 j 22:27	5° II 14'40	19.26544 AU	morning rise	-4920 Aug 20 j 19:06	5° III 09'45	
				retrograde	-4920 Nov 19 j 17:43	8° III 31'47	
conjunction	-4926 Jul 07 j 05:14	5° II 19'32	0°23'33	opposition	-4919 Feb 01 j 16:21	6° III 30'05	0°48'48
minimum elong	-4926 Jul 07 j 05:14	5° II 19'32	0°23'47	min. Earth dist.	-4919 Feb 02 j 11:09	6° III 28'04	17.31093 AU
morning rise	-4926 Jul 23 j 11:46	6° II 20'50		direct	-4919 Apr 19 j 19:01	4° III 23'59	
retrograde	-4926 Oct 22 j 15:28	9° II 43'03		evening set	-4919 Jul 24 j 19:15	7° III 54'56	
opposition	-4925 Jan 03 j 21:19	7° II 40'56	0°28'21				
min. Earth dist.	-4925 Jan 04 j 23:04	7° II 38'08	17.26163 AU	conjunction	-4919 Aug 09 j 20:49	8° III 55'43	0°44'50
direct	-4925 Mar 21 j 12:43	5° II 34'12		minimum elong	-4919 Aug 09 j 20:49	8° III 55'43	0°45'05

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Attention, astronomical year style is used: The year -4919 in astronomical counting style is the year 4920 BCE in historical counting style.

max. Earth dist.	-4919 Aug 09 j 01:49	8° $\mathring{\text{U}}$ 52'42	19.32335 AU	min. Earth dist.	-4912 Mar 07 j 13:55	9° $\mathring{\text{U}}$ 24'39	17.61749 AU
morning rise	-4919 Aug 25 j 18:22	9° $\mathring{\text{U}}$ 55'55		direct	-4912 May 23 j 19:49	7° $\mathring{\text{U}}$ 21'00	
retrograde	-4919 Nov 24 j 18:27	13° $\mathring{\text{U}}$ 17'41		evening set	-4912 Aug 26 j 07:42	10° $\mathring{\text{U}}$ 45'38	
opposition	-4918 Feb 06 j 19:56	11° $\mathring{\text{U}}$ 16'03	0°51'06				
min. Earth dist.	-4918 Feb 07 j 12:20	11° $\mathring{\text{U}}$ 14'17	17.33780 AU	conjunction	-4912 Sep 11 j 01:26	11° $\mathring{\text{U}}$ 44'24	0°51'17
direct	-4918 Apr 25 j 00:20	9° $\mathring{\text{U}}$ 10'09		minimum elong	-4912 Sep 11 j 01:26	11° $\mathring{\text{U}}$ 44'24	0°51'29
evening set	-4918 Jul 29 j 20:08	12° $\mathring{\text{U}}$ 40'27		max. Earth dist.	-4912 Sep 11 j 00:31	11° $\mathring{\text{U}}$ 44'15	19.64786 AU
				morning rise	-4912 Sep 26 j 16:43	12° $\mathring{\text{U}}$ 42'49	
conjunction	-4918 Aug 14 j 20:19	13° $\mathring{\text{U}}$ 40'58	0°46'44		-4912 Nov 08 j 21:11	15° $\mathring{\text{U}}$	
minimum elong	-4918 Aug 14 j 20:19	13° $\mathring{\text{U}}$ 40'58	0°47'01	retrograde	-4912 Dec 27 j 04:49	16° $\mathring{\text{U}}$ 01'55	
max. Earth dist.	-4918 Aug 14 j 03:13	13° $\mathring{\text{U}}$ 38'15	19.35319 AU		-4911 Feb 16 j 00:45	15° $\mathring{\text{R}}$ $\mathring{\text{U}}$	
morning rise	-4918 Aug 30 j 16:48	14° $\mathring{\text{U}}$ 40'57		opposition	-4911 Mar 12 j 13:50	14° $\mathring{\text{U}}$ 01'07	0°56'55
retrograde	-4918 Nov 29 j 17:31	18° $\mathring{\text{U}}$ 02'27		min. Earth dist.	-4911 Mar 12 j 14:13	14° $\mathring{\text{U}}$ 01'05	17.67907 AU
opposition	-4917 Feb 11 j 23:24	16° $\mathring{\text{U}}$ 00'51	0°53'03	direct	-4911 May 28 j 19:58	11° $\mathring{\text{U}}$ 57'45	
min. Earth dist.	-4917 Feb 12 j 14:05	15° $\mathring{\text{U}}$ 59'17	17.37071 AU		-4911 Aug 25 j 06:19	15° $\mathring{\text{U}}$	
direct	-4917 Apr 30 j 03:25	13° $\mathring{\text{U}}$ 55'10		evening set	-4911 Aug 31 j 02:38	15° $\mathring{\text{U}}$ 21'09	
evening set	-4917 Aug 03 j 20:13	17° $\mathring{\text{U}}$ 24'44					
				conjunction	-4911 Sep 15 j 19:24	16° $\mathring{\text{U}}$ 19'36	0°50'53
conjunction	-4917 Aug 19 j 19:13	18° $\mathring{\text{U}}$ 25'00	0°48'20	minimum elong	-4911 Sep 15 j 19:24	16° $\mathring{\text{U}}$ 19'37	0°51'05
minimum elong	-4917 Aug 19 j 19:13	18° $\mathring{\text{U}}$ 25'00	0°48'34	max. Earth dist.	-4911 Sep 15 j 20:07	16° $\mathring{\text{U}}$ 19'43	19.71077 AU
max. Earth dist.	-4917 Aug 19 j 05:05	18° $\mathring{\text{U}}$ 22'45	19.38913 AU	morning rise	-4911 Oct 01 j 10:15	17° $\mathring{\text{U}}$ 17'46	
morning rise	-4917 Sep 04 j 14:38	19° $\mathring{\text{U}}$ 24'44		retrograde	-4910 Jan 01 j 01:49	20° $\mathring{\text{U}}$ 36'21	
retrograde	-4917 Dec 04 j 17:31	22° $\mathring{\text{U}}$ 45'53		opposition	-4910 Mar 17 j 14:45	18° $\mathring{\text{U}}$ 35'41	0°56'16
opposition	-4916 Feb 17 j 02:24	20° $\mathring{\text{U}}$ 44'23	0°54'38	min. Earth dist.	-4910 Mar 17 j 11:50	18° $\mathring{\text{U}}$ 35'59	17.74302 AU
min. Earth dist.	-4916 Feb 17 j 14:01	20° $\mathring{\text{U}}$ 43'09	17.40951 AU	direct	-4910 Jun 02 j 21:09	16° $\mathring{\text{U}}$ 32'44	
direct	-4916 May 04 j 08:22	18° $\mathring{\text{U}}$ 39'00		evening set	-4910 Sep 04 j 20:24	19° $\mathring{\text{U}}$ 54'52	
evening set	-4916 Aug 07 j 19:33	22° $\mathring{\text{U}}$ 07'44					
				conjunction	-4910 Sep 20 j 12:32	20° $\mathring{\text{U}}$ 53'01	0°50'09
conjunction	-4916 Aug 23 j 17:20	23° $\mathring{\text{U}}$ 07'43	0°49'36	minimum elong	-4910 Sep 20 j 12:32	20° $\mathring{\text{U}}$ 53'01	0°50'19
minimum elong	-4916 Aug 23 j 17:20	23° $\mathring{\text{U}}$ 07'43	0°49'51	max. Earth dist.	-4910 Sep 20 j 16:22	20° $\mathring{\text{U}}$ 53'37	19.77553 AU
max. Earth dist.	-4916 Aug 23 j 05:37	23° $\mathring{\text{U}}$ 05'52	19.43092 AU	morning rise	-4910 Oct 06 j 02:49	21° $\mathring{\text{U}}$ 50'54	
morning rise	-4916 Sep 08 j 11:46	24° $\mathring{\text{U}}$ 07'12		retrograde	-4909 Jan 05 j 20:19	25° $\mathring{\text{U}}$ 08'57	
retrograde	-4916 Dec 08 j 15:33	27° $\mathring{\text{U}}$ 28'00		opposition	-4909 Mar 22 j 15:10	23° $\mathring{\text{U}}$ 08'24	0°55'15
opposition	-4915 Feb 21 j 05:27	25° $\mathring{\text{U}}$ 26'36	0°55'51	min. Earth dist.	-4909 Mar 22 j 11:03	23° $\mathring{\text{U}}$ 08'50	17.80848 AU
min. Earth dist.	-4915 Feb 21 j 15:24	25° $\mathring{\text{U}}$ 25'33	17.45421 AU	direct	-4909 Jun 07 j 19:43	21° $\mathring{\text{U}}$ 05'52	
direct	-4915 May 09 j 10:38	23° $\mathring{\text{U}}$ 21'33		evening set	-4909 Sep 09 j 13:27	24° $\mathring{\text{U}}$ 26'42	
evening set	-4915 Aug 12 j 17:53	26° $\mathring{\text{U}}$ 49'24					
				conjunction	-4909 Sep 25 j 04:49	25° $\mathring{\text{U}}$ 24'32	0°49'06
conjunction	-4915 Aug 28 j 14:31	27° $\mathring{\text{U}}$ 49'04	0°50'31	minimum elong	-4909 Sep 25 j 04:49	25° $\mathring{\text{U}}$ 24'32	0°49'15
minimum elong	-4915 Aug 28 j 14:31	27° $\mathring{\text{U}}$ 49'04	0°50'46	max. Earth dist.	-4909 Sep 25 j 09:48	25° $\mathring{\text{U}}$ 25'18	19.84160 AU
max. Earth dist.	-4915 Aug 28 j 05:30	27° $\mathring{\text{U}}$ 47'39	19.47844 AU	morning rise	-4909 Oct 10 j 18:51	26° $\mathring{\text{U}}$ 22'09	
morning rise	-4915 Sep 13 j 08:05	28° $\mathring{\text{U}}$ 48'18		retrograde	-4908 Jan 10 j 16:02	29° $\mathring{\text{U}}$ 39'37	
	-4915 Oct 03 j 16:26	0° $\mathring{\text{U}}$		opposition	-4908 Mar 26 j 14:37	27° $\mathring{\text{U}}$ 39'10	0°53'54
retrograde	-4915 Dec 13 j 14:33	2° $\mathring{\text{U}}$ 08'43		min. Earth dist.	-4908 Mar 26 j 07:33	27° $\mathring{\text{U}}$ 39'54	17.87497 AU
opposition	-4914 Feb 26 j 08:07	0° $\mathring{\text{U}}$ 07'28	0°56'41	direct	-4908 Jun 11 j 18:56	25° $\mathring{\text{U}}$ 37'01	
min. Earth dist.	-4914 Feb 26 j 14:34	0° $\mathring{\text{U}}$ 06'47	17.50419 AU	evening set	-4908 Sep 13 j 05:25	28° $\mathring{\text{U}}$ 56'30	
	-4914 Mar 01 j 06:49	30° $\mathring{\text{R}}$ $\mathring{\text{U}}$					
direct	-4914 May 14 j 15:24	28° $\mathring{\text{U}}$ 02'49		conjunction	-4908 Sep 28 j 20:21	29° $\mathring{\text{U}}$ 54'02	0°47'45
	-4914 Jul 22 j 15:46	0° $\mathring{\text{U}}$		minimum elong	-4908 Sep 28 j 20:21	29° $\mathring{\text{U}}$ 54'02	0°47'54
evening set	-4914 Aug 17 j 15:24	1° $\mathring{\text{U}}$ 29'39		max. Earth dist.	-4908 Sep 29 j 04:25	29° $\mathring{\text{U}}$ 55'17	19.90838 AU
					-4908 Sep 30 j 10:53	0° $\mathring{\text{U}}$ $\mathring{\text{U}}$	
conjunction	-4914 Sep 02 j 11:01	2° $\mathring{\text{U}}$ 29'02	0°51'07	morning rise	-4908 Oct 14 j 09:57	0° $\mathring{\text{U}}$ 51'24	
minimum elong	-4914 Sep 02 j 11:01	2° $\mathring{\text{U}}$ 29'02	0°51'21	retrograde	-4907 Jan 14 j 09:07	4° $\mathring{\text{U}}$ 08'16	
max. Earth dist.	-4914 Sep 02 j 04:54	2° $\mathring{\text{U}}$ 28'04	19.53089 AU	opposition	-4907 Mar 31 j 13:39	2° $\mathring{\text{U}}$ 07'53	0°52'13
morning rise	-4914 Sep 18 j 03:42	3° $\mathring{\text{U}}$ 27'59		min. Earth dist.	-4907 Mar 31 j 05:17	2° $\mathring{\text{U}}$ 08'45	17.94198 AU
retrograde	-4914 Dec 18 j 11:14	6° $\mathring{\text{U}}$ 48'01		direct	-4907 Jun 16 j 15:59	0° $\mathring{\text{U}}$ 06'08	
opposition	-4913 Mar 03 j 10:28	4° $\mathring{\text{U}}$ 46'54	0°57'08	evening set	-4907 Sep 17 j 20:23	3° $\mathring{\text{U}}$ 24'13	
min. Earth dist.	-4913 Mar 03 j 15:30	4° $\mathring{\text{U}}$ 46'22	17.55894 AU				
direct	-4913 May 19 j 16:40	2° $\mathring{\text{U}}$ 42'40		conjunction	-4907 Oct 03 j 10:40	4° $\mathring{\text{U}}$ 21'27	0°46'08
evening set	-4913 Aug 22 j 12:00	6° $\mathring{\text{U}}$ 08'26		minimum elong	-4907 Oct 03 j 10:40	4° $\mathring{\text{U}}$ 21'27	0°46'15
				max. Earth dist.	-4907 Oct 03 j 19:52	4° $\mathring{\text{U}}$ 22'52	19.97571 AU
conjunction	-4913 Sep 07 j 06:36	7° $\mathring{\text{U}}$ 07'30	0°51'22	morning rise	-4907 Oct 19 j 00:17	5° $\mathring{\text{U}}$ 18'34	
minimum elong	-4913 Sep 07 j 06:36	7° $\mathring{\text{U}}$ 07'30	0°51'36	retrograde	-4906 Jan 19 j 03:28	8° $\mathring{\text{U}}$ 34'50	
max. Earth dist.	-4913 Sep 07 j 02:37	7° $\mathring{\text{U}}$ 06'53	19.58773 AU	opposition	-4906 Apr 05 j 11:48	6° $\mathring{\text{U}}$ 34'29	0°50'15
morning rise	-4913 Sep 22 j 22:40	8° $\mathring{\text{U}}$ 06'12		min. Earth dist.	-4906 Apr 05 j 00:39	6° $\mathring{\text{U}}$ 35'38	18.00955 AU
retrograde	-4913 Dec 23 j 09:16	11° $\mathring{\text{U}}$ 25'46		direct	-4906 Jun 21 j 13:20	4° $\mathring{\text{U}}$ 33'05	
opposition	-4912 Mar 07 j 12:17	9° $\mathring{\text{U}}$ 24'49	0°57'13	evening set	-4906 Sep 22 j 10:18	7° $\mathring{\text{U}}$ 49'47	

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Attention, astronomical year style is used: The year -4906 in astronomical counting style is the year 4907 BCE in historical counting style.

conjunction	-4906 Oct 08 j 00:22	8° 10 46'44	0°44'15	retrograde	-4899 Feb 18 j 11:22	8° 10 44'01	
minimum elong	-4906 Oct 08 j 00:22	8° 10 46'44	0°44'22	opposition	-4899 May 06 j 22:46	6° 10 44'14	0°29'47
max. Earth dist.	-4906 Oct 08 j 12:49	8° 10 48'38	20.04346 AU	min. Earth dist.	-4899 May 05 j 22:17	6° 10 46'42	18.49278 AU
morning rise	-4906 Oct 23 j 13:44	9° 10 43'36		direct	-4899 Jul 22 j 12:08	4° 10 45'37	
retrograde	-4905 Jan 23 j 19:16	12° 10 59'14		evening set	-4899 Oct 21 j 11:53	7° 10 53'11	
opposition	-4905 Apr 10 j 08:58	10° 10 58'56	0°48'00				
min. Earth dist.	-4905 Apr 09 j 20:20	11° 10 00'14	18.07752 AU	conjunction	-4899 Nov 06 j 01:19	8° 10 48'25	0°25'17
direct	-4905 Jun 26 j 08:30	8° 10 57'54		minimum elong	-4899 Nov 06 j 01:19	8° 10 48'25	0°25'16
evening set	-4905 Sep 26 j 23:21	12° 10 13'11		max. Earth dist.	-4899 Nov 07 j 02:25	8° 10 52'09	20.52619 AU
				morning rise	-4899 Nov 21 j 16:30	9° 10 43'53	
conjunction	-4905 Oct 12 j 12:57	13° 10 09'51	0°42'07				
minimum elong	-4905 Oct 12 j 12:57	13° 10 09'51	0°42'12				
max. Earth dist.	-4905 Oct 13 j 02:29	13° 10 11'55	20.11174 AU				
morning rise	-4905 Oct 28 j 02:30	14° 10 06'30					
retrograde	-4904 Jan 28 j 11:52	17° 10 21'30					
opposition	-4904 Apr 14 j 05:20	15° 10 21'14	0°45'29				
min. Earth dist.	-4904 Apr 13 j 14:09	15° 10 22'47	18.14617 AU				
direct	-4904 Jun 30 j 03:35	13° 10 20'33					
evening set	-4904 Sep 30 j 11:16	16° 10 34'29					
conjunction	-4904 Oct 16 j 00:47	17° 10 30'52	0°39'46				
minimum elong	-4904 Oct 16 j 00:47	17° 10 30'52	0°39'51				
max. Earth dist.	-4904 Oct 16 j 17:39	17° 10 33'26	20.18062 AU				
morning rise	-4904 Oct 31 j 14:13	18° 10 27'17					
retrograde	-4903 Feb 01 j 02:53	21° 10 41'41					
min. Earth dist.	-4903 Apr 18 j 07:51	19° 10 43'13	18.21534 AU				
opposition	-4903 Apr 19 j 00:56	19° 10 41'29	0°42'44				
direct	-4903 Jul 04 j 21:27	17° 10 41'12					
evening set	-4903 Oct 04 j 22:35	20° 10 53'46					
conjunction	-4903 Oct 20 j 11:46	21° 10 49'54	0°37'13				
minimum elong	-4903 Oct 20 j 11:46	21° 10 49'54	0°37'16				
max. Earth dist.	-4903 Oct 21 j 05:43	21° 10 52'37	20.25014 AU				
morning rise	-4903 Nov 05 j 01:32	22° 10 46'06					
retrograde	-4902 Feb 05 j 18:01	25° 10 59'55					
opposition	-4902 Apr 23 j 19:38	23° 10 59'47	0°39'47				
min. Earth dist.	-4902 Apr 23 j 00:19	24° 10 01'45	18.28521 AU				
direct	-4902 Jul 09 j 14:04	21° 10 59'54					
evening set	-4902 Oct 09 j 08:50	25° 10 11'10					
conjunction	-4902 Oct 24 j 22:10	26° 10 07'03	0°34'28				
minimum elong	-4902 Oct 24 j 22:10	26° 10 07'03	0°34'30				
max. Earth dist.	-4902 Oct 25 j 19:12	26° 10 10'14	20.32006 AU				
morning rise	-4902 Nov 09 j 12:01	27° 10 03'03					
	-4901 Jan 16 j 00:42	0° 10					
retrograde	-4901 Feb 10 j 08:26	0° 10 16'18					
	-4901 Mar 08 j 02:45	30° 10 8'10					
opposition	-4901 Apr 28 j 13:28	28° 10 16'16	0°36'37				
min. Earth dist.	-4901 Apr 27 j 16:18	28° 10 18'25	18.35504 AU				
direct	-4901 Jul 14 j 06:33	26° 10 16'49					
evening set	-4901 Oct 13 j 18:35	29° 10 26'48					
	-4901 Oct 23 j 02:15	0° 10					
conjunction	-4901 Oct 29 j 07:45	0° 10 22'27	0°31'33				
minimum elong	-4901 Oct 29 j 07:45	0° 10 22'28	0°31'35				
max. Earth dist.	-4901 Oct 30 j 05:35	0° 10 25'44	20.38975 AU				
morning rise	-4901 Nov 13 j 22:05	1° 10 18'16					
retrograde	-4900 Feb 14 j 21:45	4° 10 30'58					
min. Earth dist.	-4900 May 01 j 07:42	2° 10 33'21	18.42450 AU				
opposition	-4900 May 02 j 06:28	2° 10 31'03	0°33'17				
direct	-4900 Jul 17 j 21:01	0° 10 32'01					
evening set	-4900 Oct 17 j 03:29	3° 10 40'47					
conjunction	-4900 Nov 01 j 16:55	4° 10 36'13	0°28'29				
minimum elong	-4900 Nov 01 j 16:55	4° 10 36'13	0°28'29				
max. Earth dist.	-4900 Nov 02 j 17:31	4° 10 39'54	20.45872 AU				
morning rise	-4900 Nov 17 j 07:28	5° 10 31'51					