

Planetary Phenomena of Saturn from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 1

Attention, astronomical year style is used: The year -1400 in astronomical counting style is the year 1401 BCE in historical counting style.

retrograde	-1400 Feb 29 j 01:39	8°♄52'43			-1395 Oct 12 j 15:24	0°♄	
opposition	-1400 May 09 j 19:19	5°♄36'02	2°08'51	evening set	-1395 Dec 24 j 09:51	6°♄35'10	
min. Earth dist.	-1400 May 10 j 03:54	5°♄34'28	9.17298 AU				
direct	-1400 Jul 20 j 01:36	2°♄17'53		conjunction	-1394 Jan 10 j 06:11	8°♄37'54	0°-36'-10
evening set	-1400 Oct 29 j 00:54	9°♄13'26		minimum elong	-1394 Jan 10 j 06:09	8°♄37'53	0°36'11
				max. Earth dist.	-1394 Jan 09 j 19:47	8°♄34'43	10.70515 AU
conjunction	-1400 Nov 14 j 12:23	11°♄08'00	1°36'09	morning rise	-1394 Jan 27 j 06:14	10°♄41'51	
minimum elong	-1400 Nov 14 j 12:25	11°♄08'01	1°36'08	retrograde	-1394 May 12 j 05:38	18°♄17'54	
max. Earth dist.	-1400 Nov 14 j 02:20	11°♄05'04	11.15827 AU	opposition	-1394 Jul 21 j 17:22	14°♄53'56	-1°-2'-32
morning rise	-1400 Nov 30 j 23:42	13°♄02'36		min. Earth dist.	-1394 Jul 22 j 01:21	14°♄52'24	8.63565 AU
	-1400 Dec 18 j 16:46	15°♄		direct	-1394 Sep 28 j 03:47	11°♄33'55	
retrograde	-1399 Mar 11 j 18:16	19°♄58'47		evening set	-1393 Jan 05 j 20:26	18°♄54'20	
opposition	-1399 May 21 j 16:44	16°♄41'27	1°44'19				
min. Earth dist.	-1399 May 22 j 01:37	16°♄39'49	9.13891 AU	conjunction	-1393 Jan 22 j 19:35	20°♄59'42	-1°-4'-26
	-1399 Jun 14 j 23:31	15°♄		minimum elong	-1393 Jan 22 j 19:32	20°♄59'42	1°04'27
direct	-1399 Jul 31 j 16:16	13°♄23'40		max. Earth dist.	-1393 Jan 22 j 10:00	20°♄56'44	10.56576 AU
	-1399 Sep 14 j 18:42	15°♄		morning rise	-1393 Feb 08 j 23:06	23°♄06'30	
evening set	-1399 Nov 09 j 02:53	20°♄19'20			-1393 Apr 22 j 19:44	0°♄	
				retrograde	-1393 May 25 j 19:59	0°♄54'04	
conjunction	-1399 Nov 25 j 15:15	22°♄14'44	1°14'12		-1393 Jun 28 j 03:58	30°♄	
minimum elong	-1399 Nov 25 j 15:17	22°♄14'45	1°14'10	opposition	-1393 Aug 03 j 21:41	27°♄28'24	-1°-36'-27
max. Earth dist.	-1399 Nov 25 j 05:00	22°♄11'44	11.11186 AU	min. Earth dist.	-1393 Aug 04 j 04:18	27°♄27'07	8.49410 AU
morning rise	-1399 Dec 12 j 04:08	24°♄10'23		direct	-1393 Oct 10 j 17:26	24°♄07'13	
	-1398 Feb 12 j 21:05	0°♄			-1392 Jan 05 j 07:43	0°♄	
retrograde	-1398 Mar 23 j 17:22	1°♄11'32		evening set	-1392 Jan 18 j 18:22	1°♄37'02	
	-1398 May 02 j 10:55	30°♄					
opposition	-1398 Jun 02 j 17:03	27°♄53'18	1°15'35	conjunction	-1392 Feb 04 j 20:36	3°♄45'14	-1°-30'-22
min. Earth dist.	-1398 Jun 03 j 02:09	27°♄51'38	9.07956 AU	minimum elong	-1392 Feb 04 j 20:33	3°♄45'13	1°30'23
direct	-1398 Aug 12 j 07:02	24°♄35'38		max. Earth dist.	-1392 Feb 04 j 12:18	3°♄42'38	10.42329 AU
	-1398 Nov 06 j 13:47	0°♄		morning rise	-1392 Feb 22 j 03:46	5°♄55'01	
evening set	-1398 Nov 20 j 07:42	1°♄32'55		retrograde	-1392 Jun 07 j 19:32	13°♄54'15	
				opposition	-1392 Aug 16 j 09:36	10°♄26'58	-2°-6'-40
conjunction	-1398 Dec 06 j 21:20	3°♄29'34	0°49'10	min. Earth dist.	-1392 Aug 16 j 14:44	10°♄25'57	8.35330 AU
minimum elong	-1398 Dec 06 j 21:22	3°♄29'35	0°49'08	direct	-1392 Oct 22 j 15:16	7°♄04'25	
max. Earth dist.	-1398 Dec 06 j 10:02	3°♄26'14	11.04099 AU	evening set	-1391 Jan 31 j 04:18	14°♄44'28	
morning rise	-1398 Dec 23 j 12:32	5°♄26'45			-1391 Feb 02 j 05:56	15°♄	
retrograde	-1397 Apr 04 j 20:06	12°♄34'26					
opposition	-1397 Jun 14 j 21:09	9°♄15'02	0°43'29	conjunction	-1391 Feb 17 j 09:58	16°♄55'35	-1°-52'-22
min. Earth dist.	-1397 Jun 15 j 07:08	9°♄13'12	8.99673 AU	minimum elong	-1391 Feb 17 j 09:55	16°♄55'35	1°52'24
direct	-1397 Aug 23 j 22:45	5°♄57'11		max. Earth dist.	-1391 Feb 17 j 04:06	16°♄53'43	10.28513 AU
evening set	-1397 Dec 01 j 17:22	12°♄57'47		morning rise	-1391 Mar 06 j 20:48	19°♄08'22	
				retrograde	-1391 Jun 22 j 02:11	27°♄18'44	
conjunction	-1397 Dec 18 j 08:46	14°♄56'05	0°21'49	opposition	-1391 Aug 30 j 04:49	23°♄49'58	-2°-31'-7
minimum elong	-1397 Dec 18 j 08:47	14°♄56'05	0°21'47	min. Earth dist.	-1391 Aug 30 j 07:59	23°♄49'20	8.22080 AU
max. Earth dist.	-1397 Dec 17 j 20:37	14°♄52'28	10.94767 AU	direct	-1391 Nov 04 j 23:43	20°♄25'59	
morning rise	-1396 Jan 04 j 02:44	16°♄55'11		evening set	-1390 Feb 14 j 02:39	28°♄16'30	
retrograde	-1396 Apr 16 j 06:20	24°♄10'54			-1390 Feb 27 j 13:42	0°♄	
opposition	-1396 Jun 26 j 05:45	20°♄50'08	0°08'57				
min. Earth dist.	-1396 Jun 26 j 16:08	20°♄48'12	8.89276 AU	conjunction	-1390 Mar 03 j 12:12	0°♄30'33	-2°-8'-48
direct	-1396 Sep 03 j 20:00	17°♄31'46		minimum elong	-1390 Mar 03 j 12:10	0°♄30'33	2°08'50
desc. node	-1396 Sep 29 j 09:51	18°♄04'59		max. Earth dist.	-1390 Mar 03 j 09:52	0°♄29'48	10.15901 AU
evening set	-1396 Dec 12 j 09:29	24°♄37'21		morning rise	-1390 Mar 21 j 02:43	2°♄46'13	
				retrograde	-1390 Jul 06 j 16:41	11°♄06'18	
conjunction	-1396 Dec 29 j 03:12	26°♄37'43	0°-7'-3	opposition	-1390 Sep 13 j 06:36	7°♄36'16	-2°-47'-44
minimum elong	-1396 Dec 29 j 03:11	26°♄37'42	0°07'05	min. Earth dist.	-1390 Sep 13 j 07:08	7°♄36'10	8.10412 AU
behind sun begin	-1396 Dec 28 j 20:41	26°♄35'46		direct	-1390 Nov 18 j 16:43	4°♄10'51	
behind sun end	-1396 Dec 29 j 09:40	26°♄39'39		evening set	-1389 Feb 28 j 12:52	12°♄11'24	
max. Earth dist.	-1396 Dec 28 j 15:32	26°♄34'12	10.83444 AU				
morning rise	-1395 Jan 15 j 00:06	28°♄39'05		conjunction	-1389 Mar 18 j 02:37	14°♄28'15	-2°-18'-10
	-1395 Jan 26 j 15:23	0°♄		minimum elong	-1389 Mar 18 j 02:37	14°♄28'15	2°18'12
retrograde	-1395 Apr 29 j 01:23	6°♄04'19		max. Earth dist.	-1389 Mar 18 j 04:03	14°♄28'43	10.05232 AU
opposition	-1395 Jul 08 j 20:12	2°♄42'01	0°-26'-50	morning rise	-1389 Apr 04 j 20:50	16°♄46'35	
min. Earth dist.	-1395 Jul 09 j 05:49	2°♄40'12	8.77075 AU	retrograde	-1389 Jul 21 j 13:17	25°♄13'58	
	-1395 Aug 19 j 14:49	30°♄		opposition	-1389 Sep 27 j 13:56	21°♄43'03	-2°-54'-46
direct	-1395 Sep 15 j 20:48	29°♄22'57		min. Earth dist.	-1389 Sep 27 j 11:29	21°♄43'33	8.01013 AU

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Attention, astronomical year style is used: The year -1389 in astronomical counting style is the year 1390 BCE in historical counting style.

direct	-1389 Dec 02 j 17:18	18° $\Upsilon$ 16'16		conjunction	-1382 Jul 01 j 01:07	25° $\Pi$ 03'44	0°02'51
evening set	-1388 Mar 14 j 09:29	26° $\Upsilon$ 25'39		minimum elong	-1382 Jul 01 j 01:06	25° $\Pi$ 03'44	0°02'52
conjunction	-1388 Apr 01 j 03:29	28° $\Upsilon$ 44'57	-2°-19'-22	behind sun begin	-1382 Jun 30 j 17:48	25° $\Pi$ 01'25	
minimum elong	-1388 Apr 01 j 03:30	28° $\Upsilon$ 44'57	2°19'24	behind sun end	-1382 Jul 01 j 08:23	25° $\Pi$ 06'02	
max. Earth dist.	-1388 Apr 01 j 08:23	28° $\Upsilon$ 46'34	9.97169 AU	max. Earth dist.	-1382 Jul 01 j 13:27	25° $\Pi$ 07'40	10.18108 AU
	-1388 Apr 10 j 15:46	0° $\Upsilon$		morning rise	-1382 Jul 18 j 23:55	27° $\Pi$ 20'36	
morning rise	-1388 Apr 19 j 01:13	1° $\Upsilon$ 05'30			-1382 Aug 10 j 02:34	0° $\Upsilon$	
retrograde	-1388 Aug 04 j 13:40	9° $\Upsilon$ 37'04		retrograde	-1382 Oct 28 j 23:17	5° $\Upsilon$ 11'36	
opposition	-1388 Oct 11 j 01:08	6° $\Upsilon$ 05'42	-2°-51'-3	opposition	-1381 Jan 03 j 14:57	1° $\Upsilon$ 46'23	0°23'47
min. Earth dist.	-1388 Oct 10 j 20:05	6° $\Upsilon$ 06'45	7.94482 AU	min. Earth dist.	-1381 Jan 03 j 04:56	1° $\Upsilon$ 48'25	8.24258 AU
direct	-1388 Dec 16 j 01:13	2° $\Upsilon$ 37'42			-1381 Jan 26 j 14:38	30° $\Upsilon$	
evening set	-1387 Mar 29 j 14:12	10° $\Upsilon$ 53'57		direct	-1381 Mar 13 j 02:25	28° $\Pi$ 17'13	
					-1381 Apr 27 j 02:13	0° $\Upsilon$	
conjunction	-1387 Apr 16 j 12:18	13° $\Upsilon$ 15'11	-2°-11'-52	evening set	-1381 Jun 27 j 09:56	6° $\Upsilon$ 20'22	
minimum elong	-1387 Apr 16 j 12:21	13° $\Upsilon$ 15'12	2°11'53	conjunction	-1381 Jul 15 j 08:27	8° $\Upsilon$ 35'20	0°35'34
max. Earth dist.	-1387 Apr 16 j 20:13	13° $\Upsilon$ 17'48	9.92255 AU	minimum elong	-1381 Jul 15 j 08:25	8° $\Upsilon$ 35'19	0°35'35
morning rise	-1387 May 04 j 13:14	15° $\Upsilon$ 37'22		max. Earth dist.	-1381 Jul 15 j 20:17	8° $\Upsilon$ 39'03	10.30914 AU
retrograde	-1387 Aug 19 j 14:01	24° $\Upsilon$ 09'27		morning rise	-1381 Aug 02 j 02:31	10° $\Upsilon$ 48'53	
opposition	-1387 Oct 25 j 14:20	20° $\Upsilon$ 38'06	-2°-36'-20	retrograde	-1381 Nov 11 j 03:55	18° $\Upsilon$ 28'28	
min. Earth dist.	-1387 Oct 25 j 07:17	20° $\Upsilon$ 39'35	7.91261 AU	opposition	-1380 Jan 17 j 01:54	15° $\Upsilon$ 05'03	1°02'48
direct	-1387 Dec 30 j 16:04	17° $\Upsilon$ 09'04		min. Earth dist.	-1380 Jan 16 j 16:53	15° $\Upsilon$ 06'51	8.37681 AU
evening set	-1386 Apr 14 j 00:00	25° $\Upsilon$ 29'40		direct	-1380 Mar 26 j 04:27	11° $\Upsilon$ 36'50	
				evening set	-1380 Jul 10 j 09:45	19° $\Upsilon$ 31'24	
conjunction	-1386 May 02 j 01:40	27° $\Upsilon$ 52'07	-1°-55'-53	conjunction	-1380 Jul 28 j 03:26	21° $\Upsilon$ 42'57	1°05'35
minimum elong	-1386 May 02 j 01:44	27° $\Upsilon$ 52'08	1°55'53	minimum elong	-1380 Jul 28 j 03:23	21° $\Upsilon$ 42'56	1°05'36
max. Earth dist.	-1386 May 02 j 11:48	27° $\Upsilon$ 55'28	9.90820 AU	max. Earth dist.	-1380 Jul 28 j 13:50	21° $\Upsilon$ 46'11	10.44755 AU
	-1386 May 18 j 06:28	0° $\Upsilon$		morning rise	-1380 Aug 14 j 16:05	23° $\Upsilon$ 52'58	
morning rise	-1386 May 20 j 05:03	0° $\Upsilon$ 15'07			-1380 Oct 14 j 16:47	0° $\Omega$	
retrograde	-1386 Sep 03 j 10:51	8° $\Upsilon$ 43'59		retrograde	-1380 Nov 23 j 00:16	1° $\Omega$ 21'44	
opposition	-1386 Nov 09 j 03:20	5° $\Upsilon$ 13'09	-2°-11'-29		-1379 Jan 02 j 01:05	30° $\Upsilon$	
min. Earth dist.	-1386 Nov 08 j 19:08	5° $\Upsilon$ 14'52	7.91565 AU	opposition	-1379 Jan 29 j 05:37	28° $\Upsilon$ 00'03	1°37'21
direct	-1385 Jan 14 j 10:55	1° $\Upsilon$ 43'22		min. Earth dist.	-1379 Jan 28 j 22:28	28° $\Upsilon$ 01'28	8.51796 AU
evening set	-1385 Apr 29 j 11:37	10° $\Upsilon$ 05'29		direct	-1379 Apr 08 j 21:35	24° $\Upsilon$ 33'00	
					-1379 Jul 04 j 00:02	0° $\Omega$	
conjunction	-1385 May 17 j 15:45	12° $\Upsilon$ 28'14	-1°-32'-30	evening set	-1379 Jul 23 j 22:07	2° $\Omega$ 18'30	
minimum elong	-1385 May 17 j 15:49	12° $\Upsilon$ 28'15	1°32'30	conjunction	-1379 Aug 10 j 10:18	4° $\Omega$ 26'35	1°31'31
max. Earth dist.	-1385 May 18 j 03:13	12° $\Upsilon$ 32'01	9.92950 AU	minimum elong	-1379 Aug 10 j 10:15	4° $\Omega$ 26'34	1°31'32
morning rise	-1385 Jun 04 j 20:20	14° $\Upsilon$ 51'06		max. Earth dist.	-1379 Aug 10 j 18:01	4° $\Omega$ 28'57	10.58893 AU
	-1385 Jun 06 j 00:00	15° $\Upsilon$		morning rise	-1379 Aug 27 j 17:23	6° $\Omega$ 33'06	
retrograde	-1385 Sep 18 j 02:02	23° $\Upsilon$ 13'25		retrograde	-1379 Dec 05 j 10:27	13° $\Omega$ 51'59	
opposition	-1385 Nov 23 j 13:56	19° $\Upsilon$ 43'33	-1°-38'-19	opposition	-1378 Feb 11 j 02:12	10° $\Omega$ 31'56	2°06'04
min. Earth dist.	-1385 Nov 23 j 05:01	19° $\Upsilon$ 45'25	7.95374 AU	min. Earth dist.	-1378 Feb 10 j 21:13	10° $\Omega$ 32'54	8.65871 AU
direct	-1384 Jan 29 j 07:04	16° $\Upsilon$ 13'22		direct	-1378 Apr 22 j 07:45	7° $\Omega$ 06'08	
evening set	-1384 May 13 j 21:21	24° $\Upsilon$ 34'07		evening set	-1378 Aug 05 j 22:52	14° $\Omega$ 42'36	
					-1378 Aug 08 j 09:26	15° $\Omega$	
conjunction	-1384 Jun 01 j 02:31	26° $\Upsilon$ 56'12	-1°-3'-27	conjunction	-1378 Aug 23 j 05:29	16° $\Omega$ 47'20	1°52'28
minimum elong	-1384 Jun 01 j 02:34	26° $\Upsilon$ 56'13	1°03'27	minimum elong	-1378 Aug 23 j 05:26	16° $\Omega$ 47'19	1°52'29
max. Earth dist.	-1384 Jun 01 j 14:47	27° $\Upsilon$ 00'13	9.98496 AU	max. Earth dist.	-1378 Aug 23 j 10:06	16° $\Omega$ 48'44	10.72635 AU
morning rise	-1384 Jun 19 j 06:47	29° $\Upsilon$ 17'55		morning rise	-1378 Sep 09 j 07:13	18° $\Omega$ 50'33	
	-1384 Jun 24 j 19:12	0° $\Pi$		retrograde	-1378 Dec 17 j 12:51	26° $\Omega$ 00'53	
retrograde	-1384 Oct 01 j 09:51	7° $\Pi$ 31'09		opposition	-1377 Feb 23 j 16:30	22° $\Omega$ 42'12	2°28'10
opposition	-1384 Dec 06 j 20:21	4° $\Pi$ 02'36	0°-59'-26	min. Earth dist.	-1377 Feb 23 j 13:06	22° $\Omega$ 42'51	8.79229 AU
min. Earth dist.	-1384 Dec 06 j 10:44	4° $\Pi$ 04'36	8.02435 AU	direct	-1377 May 05 j 10:45	19° $\Omega$ 17'44	
direct	-1383 Feb 12 j 01:29	0° $\Pi$ 32'23		evening set	-1377 Aug 18 j 12:21	26° $\Omega$ 45'26	
evening set	-1383 May 29 j 01:52	8° $\Pi$ 49'10					
				conjunction	-1377 Sep 04 j 13:52	28° $\Omega$ 47'08	2°07'54
conjunction	-1383 Jun 16 j 06:27	11° $\Pi$ 09'38	0°-30'-55	minimum elong	-1377 Sep 04 j 13:49	28° $\Omega$ 47'08	2°07'55
minimum elong	-1383 Jun 16 j 06:28	11° $\Pi$ 09'39	0°30'56	max. Earth dist.	-1377 Sep 04 j 16:05	28° $\Omega$ 47'48	10.85345 AU
max. Earth dist.	-1383 Jun 16 j 19:02	11° $\Pi$ 13'43	10.07074 AU		-1377 Sep 14 j 17:50	0° $\Upsilon$	
morning rise	-1383 Jul 04 j 08:48	13° $\Pi$ 29'19		morning rise	-1377 Sep 21 j 10:41	0° $\Upsilon$ 47'27	
retrograde	-1383 Oct 15 j 09:32	21° $\Pi$ 31'49		retrograde	-1377 Dec 29 j 11:22	7° $\Upsilon$ 50'43	
opposition	-1383 Dec 20 j 21:02	18° $\Pi$ 04'51	0°-17'-47	opposition	-1376 Mar 07 j 01:03	4° $\Upsilon$ 33'06	2°43'17
min. Earth dist.	-1383 Dec 20 j 10:59	18° $\Pi$ 06'54	8.12272 AU	min. Earth dist.	-1376 Mar 06 j 23:15	4° $\Upsilon$ 33'26	8.91253 AU
direct	-1382 Feb 26 j 16:49	14° $\Pi$ 34'58					
asc. node	-1382 May 30 j 13:34	21° $\Pi$ 07'11					
evening set	-1382 Jun 12 j 22:49	22° $\Pi$ 45'43					

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Attention, astronomical year style is used: The year -1376 in astronomical counting style is the year 1377 BCE in historical counting style.

direct	-1376 May 17 j 04:28	1°♄09'58		min. Earth dist.	-1370 May 17 j 02:37	11°♃52'46	9.14640 AU
evening set	-1376 Aug 29 j 15:56	8°♄29'33		direct	-1370 Jul 26 j 19:00	8°♃36'21	
					-1370 Oct 30 j 18:54	15°♃	
conjunction	-1376 Sep 15 j 13:01	10°♄28'42	2°17'36	evening set	-1370 Nov 04 j 12:19	15°♃32'14	
minimum elong	-1376 Sep 15 j 12:59	10°♄28'42	2°17'37				
max. Earth dist.	-1376 Sep 15 j 13:16	10°♄28'47	10.96447 AU	conjunction	-1370 Nov 21 j 00:09	17°♃27'19	1°24'33
morning rise	-1376 Oct 02 j 05:39	12°♄26'35		minimum elong	-1370 Nov 21 j 00:12	17°♃27'20	1°24'33
retrograde	-1375 Jan 09 j 03:47	19°♄24'17		max. Earth dist.	-1370 Nov 20 j 12:03	17°♃23'47	11.12292 AU
opposition	-1375 Mar 19 j 04:43	16°♄07'31	2°51'22	morning rise	-1370 Dec 07 j 12:25	19°♃22'35	
min. Earth dist.	-1375 Mar 19 j 05:31	16°♄07'22	9.01398 AU	retrograde	-1369 Mar 18 j 15:55	26°♃21'40	
direct	-1375 May 29 j 13:32	12°♄45'37		opposition	-1369 May 28 j 15:53	23°♃03'29	1°29'06
evening set	-1375 Sep 10 j 11:03	19°♄58'08		min. Earth dist.	-1369 May 29 j 02:41	23°♃01'30	9.09454 AU
				direct	-1369 Aug 07 j 10:31	19°♃45'17	
conjunction	-1375 Sep 27 j 04:23	21°♄55'14	2°21'34	evening set	-1369 Nov 15 j 15:41	26°♃42'09	
minimum elong	-1375 Sep 27 j 04:23	21°♄55'14	2°21'34				
max. Earth dist.	-1375 Sep 27 j 01:42	21°♄54'27	11.05451 AU	conjunction	-1369 Dec 02 j 04:45	28°♃38'20	1°00'50
morning rise	-1375 Oct 13 j 17:51	23°♄51'16		minimum elong	-1369 Dec 02 j 04:47	28°♃38'21	1°00'49
	-1375 Dec 21 j 15:37	0°♃		max. Earth dist.	-1369 Dec 01 j 16:38	28°♃34'46	11.05940 AU
retrograde	-1374 Jan 20 j 17:29	0°♃45'07			-1369 Dec 13 j 18:36	0°♃	
	-1374 Feb 20 j 08:10	30°♃		morning rise	-1369 Dec 18 j 19:01	0°♃34'57	
opposition	-1374 Mar 31 j 05:01	27°♄28'55	2°52'33	retrograde	-1368 Mar 29 j 16:06	7°♃39'56	
min. Earth dist.	-1374 Mar 31 j 08:55	27°♄28'11	9.09250 AU	opposition	-1368 Jun 08 j 18:09	4°♃20'32	0°58'25
direct	-1374 Jun 10 j 17:51	24°♄08'08		min. Earth dist.	-1368 Jun 09 j 04:34	4°♃18'36	9.01891 AU
	-1374 Sep 10 j 20:41	0°♃		direct	-1368 Aug 18 j 02:56	1°♃02'10	
evening set	-1374 Sep 21 j 23:08	1°♃14'44		evening set	-1368 Nov 25 j 22:59	8°♃01'39	
conjunction	-1374 Oct 08 j 13:31	3°♃10'21	2°19'58	conjunction	-1368 Dec 12 j 13:45	9°♃59'21	0°34'26
minimum elong	-1374 Oct 08 j 13:32	3°♃10'21	2°19'57	minimum elong	-1368 Dec 12 j 13:46	9°♃59'22	0°34'23
max. Earth dist.	-1374 Oct 08 j 07:24	3°♃08'34	11.12046 AU	max. Earth dist.	-1368 Dec 12 j 02:12	9°♃55'56	10.97316 AU
morning rise	-1374 Oct 25 j 00:58	5°♃05'08		morning rise	-1368 Dec 29 j 06:21	11°♃57'42	
retrograde	-1373 Feb 01 j 04:30	11°♃56'49		retrograde	-1367 Apr 11 j 00:42	19°♃10'10	
opposition	-1373 Apr 12 j 02:51	8°♃40'51	2°47'11	opposition	-1367 Jun 21 j 00:39	15°♃49'24	0°24'49
min. Earth dist.	-1373 Apr 12 j 08:45	8°♃39'45	9.14580 AU	min. Earth dist.	-1367 Jun 21 j 10:24	15°♃47'35	8.92202 AU
direct	-1373 Jun 22 j 16:42	5°♃21'03		direct	-1367 Aug 29 j 21:52	12°♃30'40	
evening set	-1373 Oct 03 j 05:57	12°♃22'56		evening set	-1367 Dec 07 j 12:05	19°♃34'25	
conjunction	-1373 Oct 19 j 18:30	14°♃17'38	2°13'03	conjunction	-1367 Dec 24 j 04:48	21°♃34'00	0°06'11
minimum elong	-1373 Oct 19 j 18:32	14°♃17'39	2°13'03	minimum elong	-1367 Dec 24 j 04:48	21°♃34'00	0°06'09
max. Earth dist.	-1373 Oct 19 j 10:35	14°♃15'20	11.16080 AU	behind sun begin	-1367 Dec 23 j 22:08	21°♃32'02	
morning rise	-1373 Nov 05 j 04:51	16°♃11'45		behind sun end	-1367 Dec 24 j 11:27	21°♃35'59	
retrograde	-1372 Feb 12 j 16:36	23°♃02'54		max. Earth dist.	-1367 Dec 23 j 17:03	21°♃30'29	10.86727 AU
opposition	-1372 Apr 22 j 23:12	19°♃46'48	2°35'38	morning rise	-1366 Jan 10 j 00:18	23°♃34'31	
min. Earth dist.	-1372 Apr 23 j 06:13	19°♃45'31	9.17277 AU	desc. node	-1366 Mar 13 j 19:21	29°♃36'02	
direct	-1372 Jul 03 j 13:01	16°♃27'45			-1366 Mar 20 j 15:19	0°♃	
evening set	-1372 Oct 13 j 09:10	23°♃26'14		retrograde	-1366 Apr 23 j 16:09	0°♃55'53	
					-1366 May 28 j 04:37	30°♃	
conjunction	-1372 Oct 29 j 20:53	25°♃20'35	2°01'13	opposition	-1366 Jul 03 j 12:42	27°♃33'39	0°-10'-35
minimum elong	-1372 Oct 29 j 20:55	25°♃20'35	2°01'13	min. Earth dist.	-1366 Jul 03 j 22:08	27°♃31'52	8.80745 AU
max. Earth dist.	-1372 Oct 29 j 12:01	25°♃18'00	11.17464 AU	direct	-1366 Sep 10 j 18:42	24°♃14'18	
morning rise	-1372 Nov 15 j 06:56	27°♃14'32			-1366 Dec 07 j 08:24	0°♃	
	-1372 Dec 10 j 20:30	0°♃		evening set	-1366 Dec 19 j 08:37	1°♃23'58	
retrograde	-1371 Feb 23 j 06:08	4°♃06'43					
opposition	-1371 May 04 j 19:25	0°♃50'13	2°18'23	conjunction	-1365 Jan 05 j 03:40	3°♃25'46	0°-23'-2
min. Earth dist.	-1371 May 05 j 03:38	0°♃48'42	9.17286 AU	minimum elong	-1365 Jan 05 j 03:39	3°♃25'45	0°23'05
	-1371 May 16 j 09:15	30°♃		max. Earth dist.	-1365 Jan 04 j 16:07	3°♃22'15	10.74560 AU
direct	-1371 Jul 15 j 04:32	27°♃31'43		morning rise	-1365 Jan 22 j 02:27	5°♃28'44	
	-1371 Sep 10 j 03:23	0°♃		retrograde	-1365 May 06 j 14:51	13°♃00'19	
evening set	-1371 Oct 24 j 10:42	4°♃28'08		opposition	-1365 Jul 16 j 06:58	9°♃36'31	0°-46'-34
				min. Earth dist.	-1365 Jul 16 j 15:52	9°♃34'49	8.67954 AU
conjunction	-1371 Nov 09 j 22:07	6°♃22'36	1°44'53	direct	-1365 Sep 22 j 23:55	6°♃16'21	
minimum elong	-1371 Nov 09 j 22:10	6°♃22'37	1°44'52	evening set	-1365 Dec 31 j 14:30	13°♃33'29	
max. Earth dist.	-1371 Nov 09 j 11:36	6°♃19'32	11.16176 AU				
morning rise	-1371 Nov 26 j 08:52	8°♃16'58		conjunction	-1364 Jan 17 j 12:19	15°♃37'49	0°-51'-54
	-1370 Feb 19 j 06:55	15°♃		minimum elong	-1364 Jan 17 j 12:17	15°♃37'48	0°51'55
retrograde	-1370 Mar 06 j 20:48	15°♃11'48		max. Earth dist.	-1364 Jan 17 j 02:26	15°♃34'46	10.61281 AU
	-1370 Mar 22 j 13:39	15°♃		morning rise	-1364 Feb 03 j 14:24	17°♃43'29	
opposition	-1370 May 16 j 16:40	11°♃54'35	1°56'00	retrograde	-1364 May 19 j 00:17	25°♃26'14	

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Attention, astronomical year style is used: The year -1364 in astronomical counting style is the year 1365 BCE in historical counting style.

opposition	-1364 Jul 28 j 07:59	22°♁00'50	-1°-21'-32	max. Earth dist.	-1358 Apr 10 j 06:47	7°♃02'46	9.94987 AU
min. Earth dist.	-1364 Jul 28 j 15:20	21°♁59'25	8.54353 AU	morning rise	-1358 Apr 27 j 23:36	9°♃21'58	
direct	-1364 Oct 04 j 11:17	18°♁39'42		retrograde	-1358 Aug 13 j 07:04	17°♃54'06	
evening set	-1363 Jan 12 j 07:05	26°♁05'39		opposition	-1358 Oct 19 j 12:07	14°♃23'15	-2°-44'-1
conjunction	-1363 Jan 29 j 07:59	28°♁12'42	-1°-19'-5	min. Earth dist.	-1358 Oct 19 j 05:52	14°♃24'33	7.93416 AU
minimum elong	-1363 Jan 29 j 07:56	28°♁12'41	1°19'06	direct	-1358 Dec 24 j 13:04	10°♃55'12	
max. Earth dist.	-1363 Jan 29 j 00:40	28°♁10'24	10.47467 AU	evening set	-1357 Apr 07 j 11:57	19°♃13'52	
morning rise	-1363 Feb 12 j 16:18	0°♁		conjunction	-1357 Apr 25 j 12:02	21°♃35'43	-2°-3'-52
retrograde	-1363 Jun 01 j 20:10	8°♁15'39		minimum elong	-1357 Apr 25 j 12:05	21°♃35'44	2°03'53
opposition	-1363 Aug 10 j 16:35	4°♁48'43	-1°-53'-41	max. Earth dist.	-1357 Apr 25 j 21:45	21°♃38'56	9.92330 AU
min. Earth dist.	-1363 Aug 10 j 21:23	4°♁47'46	8.40563 AU	morning rise	-1357 May 13 j 14:26	23°♃58'18	
direct	-1363 Oct 17 j 05:05	1°♁26'30		retrograde	-1357 Jul 06 j 02:45	0°♁	
evening set	-1362 Jan 25 j 11:29	9°♁02'15		retrograde	-1357 Aug 28 j 04:50	2°♁28'39	
conjunction	-1362 Feb 11 j 15:41	11°♁12'10	-1°-43'-3	opposition	-1357 Oct 21 j 12:20	30°♃	
minimum elong	-1362 Feb 11 j 15:38	11°♁12'09	1°43'04	min. Earth dist.	-1357 Nov 03 j 01:31	28°♃58'07	-2°-23'-31
max. Earth dist.	-1362 Feb 11 j 10:55	11°♁10'39	10.33790 AU	direct	-1357 Nov 02 j 17:22	28°♃59'49	7.92420 AU
morning rise	-1362 Mar 01 j 00:42	13°♁23'40		direct	-1356 Jan 08 j 06:28	25°♃29'15	
retrograde	-1362 Jun 16 j 00:20	21°♁29'32		evening set	-1356 Mar 21 j 06:25	0°♁	
opposition	-1362 Aug 24 j 08:44	18°♁01'12	-2°-20'-58	conjunction	-1356 Apr 21 j 23:02	3°♁50'28	
min. Earth dist.	-1362 Aug 24 j 11:00	18°♁00'44	8.27283 AU	minimum elong	-1356 May 10 j 02:11	6°♁13'00	-1°-43'-37
direct	-1362 Oct 30 j 08:26	14°♁37'48		max. Earth dist.	-1356 May 10 j 02:15	6°♁13'02	1°43'38
evening set	-1361 Feb 08 j 04:32	22°♁23'54		morning rise	-1356 May 10 j 13:59	6°♁16'54	9.93053 AU
conjunction	-1361 Feb 25 j 12:18	24°♁36'43	-2°-2'-10	retrograde	-1356 May 28 j 06:15	8°♁35'50	
minimum elong	-1361 Feb 25 j 12:15	24°♁36'43	2°02'11	retrograde	-1356 Jul 25 j 12:35	15°♁	
max. Earth dist.	-1361 Feb 25 j 09:51	24°♁35'56	10.20981 AU	retrograde	-1356 Sep 10 j 23:00	17°♁01'00	
morning rise	-1361 Mar 15 j 01:03	26°♁51'10		opposition	-1356 Oct 29 j 05:18	15°♁	
retrograde	-1361 Jun 30 j 12:56	5°♁07'23		min. Earth dist.	-1356 Nov 16 j 13:20	13°♁31'13	-1°-53'-48
opposition	-1361 Sep 07 j 07:50	1°♁37'54	-2°-41'-19	direct	-1356 Nov 16 j 03:59	13°♁33'10	7.94725 AU
min. Earth dist.	-1361 Sep 07 j 07:55	1°♁37'53	8.15249 AU	direct	-1355 Jan 22 j 01:31	10°♁01'47	
direct	-1361 Sep 28 j 09:28	30°♃		evening set	-1355 Apr 09 j 15:51	15°♁	
evening set	-1361 Dec 27 j 02:33	0°♁		conjunction	-1355 May 07 j 09:55	18°♁22'53	
conjunction	-1360 Mar 10 j 21:29	8°♁25'16	-2°-14'-51	conjunction	-1355 May 25 j 14:53	20°♁45'14	-1°-16'-51
minimum elong	-1360 Mar 10 j 21:27	8°♁25'16	2°14'53	minimum elong	-1355 May 25 j 14:57	20°♁45'16	1°16'52
max. Earth dist.	-1360 Mar 10 j 21:39	8°♁25'19	10.09792 AU	max. Earth dist.	-1355 May 26 j 03:35	20°♁49'24	9.97002 AU
morning rise	-1360 Mar 28 j 14:03	10°♁42'28		morning rise	-1355 Jun 12 j 19:19	23°♁07'25	
retrograde	-1360 Jul 14 j 08:06	19°♁07'06		retrograde	-1355 Aug 17 j 04:01	0°♁	
opposition	-1360 Sep 20 j 13:16	15°♁36'47	-2°-52'-46	retrograde	-1355 Sep 25 j 11:33	1°♁24'41	
min. Earth dist.	-1360 Sep 20 j 11:25	15°♁37'10	8.05189 AU	opposition	-1355 Nov 04 j 04:56	30°♃	
direct	-1360 Nov 25 j 17:26	12°♁10'55		min. Earth dist.	-1355 Nov 30 j 21:44	27°♁56'02	-1°-17'-8
evening set	-1359 Mar 08 j 02:07	20°♁16'37		direct	-1355 Nov 30 j 12:11	27°♁58'01	8.00135 AU
conjunction	-1359 Mar 25 j 17:58	22°♁34'49	-2°-19'-48	direct	-1354 Feb 05 j 19:55	24°♁26'21	
minimum elong	-1359 Mar 25 j 17:58	22°♁34'49	2°19'49	evening set	-1354 Apr 30 j 06:26	0°♁	
max. Earth dist.	-1359 Mar 25 j 21:29	22°♁35'58	10.00932 AU	conjunction	-1354 May 22 j 17:26	2°♁44'54	
morning rise	-1359 Apr 12 j 14:14	24°♁54'26		conjunction	-1354 Jun 09 j 22:34	5°♁06'07	0°-45'-36
retrograde	-1359 May 26 j 10:39	0°♁		minimum elong	-1354 Jun 09 j 22:36	5°♁06'08	0°45'36
opposition	-1359 Jul 29 j 07:16	3°♁24'36		max. Earth dist.	-1354 Jun 10 j 11:13	5°♁10'13	10.03934 AU
min. Earth dist.	-1359 Oct 04 j 23:23	29°♁53'49	-2°-53'-53	morning rise	-1354 Jun 28 j 01:48	7°♁26'42	
direct	-1359 Oct 04 j 19:19	29°♁54'39	7.97751 AU	retrograde	-1354 Oct 09 j 16:30	15°♁34'07	
evening set	-1358 Mar 23 j 03:47	4°♁40'09		opposition	-1354 Dec 15 j 01:24	12°♁06'53	0°-36'-21
conjunction	-1358 Apr 09 j 23:55	7°♁00'30	-2°-16'-10	min. Earth dist.	-1354 Dec 14 j 16:11	12°♁08'47	8.08382 AU
minimum elong	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	direct	-1353 Feb 20 j 12:55	8°♁37'16	
morning rise	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	evening set	-1353 Jun 06 j 18:31	16°♁50'56	
retrograde	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	conjunction	-1353 Jun 24 j 21:59	19°♁10'07	0°-12'-8
opposition	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	minimum elong	-1353 Jun 24 j 22:00	19°♁10'07	0°12'09
min. Earth dist.	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	behind sun begin	-1353 Jun 24 j 17:09	19°♁08'34	
direct	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	behind sun end	-1353 Jun 25 j 02:51	19°♁11'39	
evening set	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	max. Earth dist.	-1353 Jun 25 j 09:53	19°♁13'56	10.13487 AU
conjunction	-1358 Apr 09 j 23:55	7°♁00'30	-2°-16'-10	morning rise	-1353 Jul 12 j 22:26	21°♁28'17	
minimum elong	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	retrograde	-1353 Jul 23 j 10:48	29°♁24'39	
morning rise	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	asc. node	-1353 Nov 08 j 03:22	29°♁10'52	
retrograde	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11	opposition	-1353 Dec 28 j 22:57	25°♁59'00	0°05'36
opposition	-1358 Apr 09 j 23:55	7°♁00'30	-2°-16'-10	min. Earth dist.	-1353 Dec 28 j 14:25	26°♁00'45	8.19022 AU
minimum elong	-1358 Apr 09 j 23:57	7°♁00'30	2°16'11				

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Attention, astronomical year style is used: The year -1352 in astronomical counting style is the year 1353 BCE in historical counting style.

direct	-1352 Mar 06 j 02:17	22°II29'46		min. Earth dist.	-1346 Mar 14 j 07:11	11°mp19'42	8.95571 AU
	-1352 Jun 15 j 11:54	0°☾		direct	-1346 May 24 j 13:37	7°mp56'45	
evening set	-1352 Jun 20 j 10:42	0°☾36'40		evening set	-1346 Sep 05 j 17:35	15°mp12'45	
conjunction	-1352 Jul 08 j 10:56	2°☾53'04	0°21'21	conjunction	-1346 Sep 22 j 12:28	17°mp10'50	2°20'37
minimum elong	-1352 Jul 08 j 10:55	2°☾53'04	0°21'22	minimum elong	-1346 Sep 22 j 12:27	17°mp10'49	2°20'37
max. Earth dist.	-1352 Jul 08 j 21:25	2°☾56'23	10.25117 AU	max. Earth dist.	-1346 Sep 22 j 10:42	17°mp10'18	11.00223 AU
morning rise	-1352 Jul 26 j 07:19	5°☾08'13		morning rise	-1346 Oct 09 j 03:26	19°mp07'46	
retrograde	-1352 Nov 04 j 18:54	12°☾53'10		retrograde	-1345 Jan 16 j 01:03	26°mp03'28	
opposition	-1351 Jan 10 j 13:26	9°☾29'08	0°46'04	opposition	-1345 Mar 26 j 08:38	22°mp46'32	2°53'02
min. Earth dist.	-1351 Jan 10 j 05:38	9°☾30'42	8.31436 AU	min. Earth dist.	-1345 Mar 26 j 10:01	22°mp46'16	9.04690 AU
direct	-1351 Mar 20 j 08:54	6°☾00'31		direct	-1345 Jun 05 j 21:48	19°mp24'47	
evening set	-1351 Jul 04 j 16:11	13°☾59'22		evening set	-1345 Sep 17 j 08:18	26°mp34'07	
conjunction	-1351 Jul 22 j 12:04	16°☾12'32	0°52'48	conjunction	-1345 Oct 04 j 00:04	28°mp30'27	2°21'26
minimum elong	-1351 Jul 22 j 12:01	16°☾12'32	0°52'49	minimum elong	-1345 Oct 04 j 00:04	28°mp30'27	2°21'25
max. Earth dist.	-1351 Jul 22 j 20:49	16°☾15'17	10.38139 AU	max. Earth dist.	-1345 Oct 03 j 21:05	28°mp29'34	11.08256 AU
morning rise	-1351 Aug 09 j 03:25	18°☾24'15			-1345 Oct 16 j 18:47	0°☾	
retrograde	-1351 Nov 17 j 18:32	25°☾58'07		morning rise	-1345 Oct 20 j 12:20	0°☾25'48	
opposition	-1350 Jan 23 j 20:39	22°☾35'39	1°22'50	retrograde	-1344 Jan 27 j 13:33	7°☾18'23	
min. Earth dist.	-1350 Jan 23 j 13:27	22°☾37'04	8.44896 AU	opposition	-1344 Apr 06 j 07:08	4°☾01'53	2°50'28
direct	-1350 Apr 03 j 07:24	19°☾07'56		min. Earth dist.	-1344 Apr 06 j 10:12	4°☾01'19	9.11603 AU
evening set	-1350 Jul 18 j 10:07	26°☾57'56		direct	-1344 Jun 16 j 21:23	0°☾41'19	
				evening set	-1344 Sep 27 j 17:02	7°☾45'09	
conjunction	-1350 Aug 05 j 00:52	29°☾07'41	1°20'43	conjunction	-1344 Oct 14 j 06:28	9°☾40'14	2°16'48
minimum elong	-1350 Aug 05 j 00:49	29°☾07'40	1°20'44	minimum elong	-1344 Oct 14 j 06:30	9°☾40'15	2°16'47
max. Earth dist.	-1350 Aug 05 j 08:19	29°☾09'59	10.51817 AU	max. Earth dist.	-1344 Oct 14 j 01:29	9°☾38'47	11.13971 AU
	-1350 Aug 12 j 02:17	0°♈		morning rise	-1344 Oct 30 j 17:08	11°☾34'36	
morning rise	-1350 Aug 22 j 10:35	1°♈15'52		retrograde	-1343 Feb 07 j 00:30	18°☾25'39	
retrograde	-1350 Nov 30 j 09:29	8°♈39'26		opposition	-1343 Apr 18 j 03:33	15°☾09'22	2°41'33
opposition	-1349 Feb 05 j 20:41	5°♈18'27	1°54'18	min. Earth dist.	-1343 Apr 18 j 09:02	15°☾08'21	9.16077 AU
min. Earth dist.	-1349 Feb 05 j 14:38	5°♈19'38	8.58675 AU	direct	-1343 Jun 28 j 17:23	11°☾49'46	
direct	-1349 Apr 16 j 21:20	1°♈51'48		evening set	-1343 Oct 08 j 21:26	18°☾49'26	
evening set	-1349 Jul 31 j 16:12	9°♈32'42					
conjunction	-1349 Aug 18 j 01:31	11°♈39'03	1°43'59	conjunction	-1343 Oct 25 j 09:19	20°☾43'50	2°07'05
minimum elong	-1349 Aug 18 j 01:28	11°♈39'02	1°44'00	minimum elong	-1343 Oct 25 j 09:21	20°☾43'50	2°07'04
max. Earth dist.	-1349 Aug 18 j 07:28	11°♈40'52	10.65453 AU	max. Earth dist.	-1343 Oct 25 j 01:47	20°☾41'38	11.17185 AU
morning rise	-1349 Sep 04 j 05:35	13°♈43'50		morning rise	-1343 Nov 10 j 19:28	22°☾37'45	
	-1349 Sep 15 j 01:32	15°♈		retrograde	-1342 Feb 18 j 11:30	29°☾28'54	
retrograde	-1349 Dec 12 j 16:29	20°♈58'17		opposition	-1342 Apr 29 j 23:21	26°☾12'31	2°26'43
opposition	-1348 Feb 18 j 13:59	17°♈38'37	2°19'26	min. Earth dist.	-1342 Apr 30 j 06:31	26°☾11'13	9.17970 AU
min. Earth dist.	-1348 Feb 18 j 09:56	17°♈39'24	8.72102 AU	direct	-1342 Jul 10 j 10:25	22°☾53'45	
	-1348 Mar 28 j 22:11	15°♈♈		evening set	-1342 Oct 19 j 22:57	29°☾50'32	
direct	-1348 Apr 29 j 03:00	14°♈13'09			-1342 Oct 21 j 08:10	0°♈	
	-1348 May 30 j 02:56	15°♈		conjunction	-1342 Nov 05 j 10:18	1°♈44'47	1°52'40
evening set	-1348 Aug 12 j 10:43	21°♈45'07		minimum elong	-1342 Nov 05 j 10:20	1°♈44'48	1°52'40
conjunction	-1348 Aug 29 j 14:41	23°♈48'18	2°01'54	max. Earth dist.	-1342 Nov 05 j 01:33	1°♈42'14	11.17793 AU
minimum elong	-1348 Aug 29 j 14:38	23°♈48'17	2°01'56	morning rise	-1342 Nov 21 j 20:43	3°♈38'48	
max. Earth dist.	-1348 Aug 29 j 18:20	23°♈49'24	10.78414 AU	retrograde	-1341 Mar 02 j 00:50	10°♈31'43	
morning rise	-1348 Sep 15 j 13:37	25°♈50'00		opposition	-1341 May 11 j 19:26	7°♈14'56	2°06'31
	-1348 Oct 24 j 14:10	0°♈		min. Earth dist.	-1341 May 12 j 03:02	7°♈13'32	9.17217 AU
retrograde	-1348 Dec 23 j 16:40	2°♈56'40		direct	-1341 Jul 22 j 02:05	3°♈56'46	
	-1347 Feb 25 j 06:12	30°♈♈		evening set	-1341 Oct 30 j 23:47	10°♈52'09	
opposition	-1347 Mar 02 j 01:10	29°♈38'09	2°37'41				
min. Earth dist.	-1347 Mar 01 j 23:38	29°♈38'27	8.84572 AU	conjunction	-1341 Nov 16 j 11:26	12°♈46'45	1°34'03
direct	-1347 May 11 j 23:43	26°♈13'55		minimum elong	-1341 Nov 16 j 11:29	12°♈46'45	1°34'02
	-1347 Jul 22 j 05:48	0°♈		max. Earth dist.	-1341 Nov 16 j 02:26	12°♈44'07	11.15763 AU
evening set	-1347 Aug 24 j 18:51	3°♈37'30		morning rise	-1341 Dec 02 j 22:48	14°♈41'21	
					-1341 Dec 05 j 16:22	15°♈	
conjunction	-1347 Sep 10 j 17:50	5°♈37'54	2°14'09	retrograde	-1340 Mar 12 j 19:36	21°♈37'35	
minimum elong	-1347 Sep 10 j 17:48	5°♈37'53	2°14'10	opposition	-1340 May 22 j 16:51	18°♈20'10	1°41'32
max. Earth dist.	-1347 Sep 10 j 18:14	5°♈38'01	10.90153 AU	min. Earth dist.	-1340 May 23 j 01:07	18°♈18'40	9.13840 AU
morning rise	-1347 Sep 27 j 12:24	7°♈36'58		direct	-1340 Aug 01 j 16:18	15°♈02'24	
retrograde	-1346 Jan 04 j 09:28	14°♈37'21		evening set	-1340 Nov 10 j 01:47	21°♈57'51	
opposition	-1346 Mar 14 j 06:58	11°♈19'45	2°48'51				

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Attention, astronomical year style is used: The year -1340 in astronomical counting style is the year 1341 BCE in historical counting style.

conjunction	-1340 Nov 26 j 14:12	23°♄53'16	1°11'47			-1334 Dec 22 j 21:02	0°♁		
minimum elong	-1340 Nov 26 j 14:14	23°♄53'17	1°11'45	evening set		-1333 Jan 19 j 17:04	3°♁13'38		
max. Earth dist.	-1340 Nov 26 j 03:55	23°♄50'15	11.11158 AU						
morning rise	-1340 Dec 13 j 03:17	25°♄48'58			conjunction	-1333 Feb 05 j 19:21	5°♁21'46	-1°-32'-25	
	-1339 Jan 22 j 15:16	0°♁			minimum elong	-1333 Feb 05 j 19:18	5°♁21'46	1°32'27	
retrograde	-1339 Mar 24 j 16:01	2°♁50'07			max. Earth dist.	-1333 Feb 05 j 11:06	5°♁19'11	10.42754 AU	
	-1339 May 28 j 07:09	30°♄			morning rise	-1333 Feb 23 j 02:37	7°♁31'30		
opposition	-1339 Jun 03 j 17:05	29°♄31'49	1°12'29			-1333 May 16 j 05:57	15°♁		
min. Earth dist.	-1339 Jun 04 j 02:26	29°♄30'06	9.07948 AU		retrograde	-1333 Jun 09 j 16:53	15°♁30'32		
direct	-1339 Aug 13 j 05:23	26°♄14'08				-1333 Jul 04 j 08:11	15°♄		
	-1339 Oct 22 j 17:25	0°♁			opposition	-1333 Aug 18 j 08:27	12°♁03'19	-2°-8'-55	
evening set	-1339 Nov 21 j 06:35	3°♁11'16			min. Earth dist.	-1333 Aug 18 j 13:55	12°♁02'14	8.35759 AU	
					direct	-1333 Oct 24 j 15:15	8°♁40'49		
conjunction	-1339 Dec 07 j 20:15	5°♁07'55	0°46'31			-1332 Jan 22 j 03:54	15°♁		
minimum elong	-1339 Dec 07 j 20:16	5°♁07'56	0°46'29		evening set	-1332 Feb 02 j 03:03	16°♁20'42		
max. Earth dist.	-1339 Dec 07 j 08:45	5°♁04'32	11.04124 AU						
morning rise	-1339 Dec 24 j 11:41	7°♁05'07			conjunction	-1332 Feb 19 j 08:54	18°♁31'48	-1°-53'-56	
retrograde	-1338 Apr 05 j 19:15	14°♁12'49			minimum elong	-1332 Feb 19 j 08:51	18°♁31'47	1°53'58	
opposition	-1338 Jun 15 j 21:04	10°♁53'22	0°40'09		max. Earth dist.	-1332 Feb 19 j 03:36	18°♁30'06	10.28930 AU	
min. Earth dist.	-1338 Jun 16 j 07:06	10°♁51'31	8.99730 AU		morning rise	-1332 Mar 07 j 19:42	20°♁44'30		
direct	-1338 Aug 24 j 23:24	7°♁35'29			retrograde	-1332 Jun 23 j 00:22	28°♁54'40		
evening set	-1338 Dec 02 j 16:09	14°♁35'55			opposition	-1332 Aug 31 j 03:14	25°♁25'58	-2°-32'-43	
					min. Earth dist.	-1332 Aug 31 j 06:14	25°♁25'22	8.22490 AU	
conjunction	-1338 Dec 19 j 07:43	16°♁34'13	0°19'03		direct	-1332 Nov 05 j 22:25	22°♁02'04		
minimum elong	-1338 Dec 19 j 07:44	16°♁34'13	0°19'01		evening set	-1331 Feb 15 j 01:23	29°♁52'26		
max. Earth dist.	-1338 Dec 18 j 20:34	16°♁30'54	10.94869 AU			-1331 Feb 16 j 01:16	0°♁		
morning rise	-1337 Jan 05 j 01:47	18°♁33'20							
retrograde	-1337 Apr 18 j 06:02	25°♁49'03			conjunction	-1331 Mar 04 j 11:06	2°♁06'28	-2°-9'-48	
opposition	-1337 Jun 28 j 05:34	22°♁28'13	0°05'32		minimum elong	-1331 Mar 04 j 11:04	2°♁06'27	2°09'50	
min. Earth dist.	-1337 Jun 28 j 15:04	22°♁26'27	8.89433 AU		max. Earth dist.	-1331 Mar 04 j 09:15	2°♁05'52	10.16288 AU	
desc. node	-1337 Aug 26 j 02:42	19°♁15'40			morning rise	-1331 Mar 22 j 01:34	4°♁22'05		
direct	-1337 Sep 05 j 19:32	19°♁09'53			retrograde	-1331 Jul 07 j 15:55	12°♁41'56		
evening set	-1337 Dec 14 j 08:16	26°♁15'15			opposition	-1331 Sep 14 j 04:48	9°♁11'59	-2°-48'-35	
					min. Earth dist.	-1331 Sep 14 j 04:49	9°♁11'59	8.10785 AU	
conjunction	-1337 Dec 31 j 02:09	28°♁15'35	0°-9'-49		direct	-1331 Nov 19 j 14:03	5°♁46'39		
minimum elong	-1337 Dec 31 j 02:08	28°♁15'35	0°09'51		evening set	-1330 Mar 01 j 11:30	13°♁47'05		
behind sun begin	-1337 Dec 30 j 20:23	28°♁13'52							
behind sun end	-1337 Dec 31 j 07:53	28°♁17'18			conjunction	-1330 Mar 19 j 01:21	16°♁03'54	-2°-18'-33	
max. Earth dist.	-1337 Dec 30 j 15:38	28°♁12'25	10.83656 AU		minimum elong	-1330 Mar 19 j 01:20	16°♁03'53	2°18'35	
	-1336 Jan 14 j 13:53	0°♁			max. Earth dist.	-1330 Mar 19 j 02:38	16°♁04'19	10.05582 AU	
morning rise	-1336 Jan 16 j 23:05	0°♁16'56			morning rise	-1330 Apr 05 j 19:36	18°♁22'11		
retrograde	-1336 Apr 30 j 01:01	7°♁42'06			retrograde	-1330 Jul 22 j 12:55	26°♁49'21		
opposition	-1336 Jul 09 j 19:46	4°♁19'44	0°-30'-12		opposition	-1330 Sep 28 j 11:56	23°♁18'31	-2°-54'-48	
min. Earth dist.	-1336 Jul 10 j 04:25	4°♁18'06	8.77353 AU		min. Earth dist.	-1330 Sep 28 j 09:25	23°♁19'02	8.01344 AU	
direct	-1336 Sep 16 j 20:23	1°♁00'42			direct	-1330 Dec 03 j 14:40	19°♁51'48		
evening set	-1336 Dec 25 j 08:45	8°♁12'40			evening set	-1329 Mar 16 j 08:09	28°♁01'06		
						-1329 Mar 31 j 12:17	0°♁		
conjunction	-1335 Jan 11 j 05:05	10°♁15'21	0°-38'-50						
minimum elong	-1335 Jan 11 j 05:03	10°♁15'21	0°38'51		conjunction	-1329 Apr 03 j 02:13	0°♁20'23	-2°-19'-5	
max. Earth dist.	-1335 Jan 10 j 18:39	10°♁12'11	10.70840 AU		minimum elong	-1329 Apr 03 j 02:14	0°♁20'23	2°19'06	
morning rise	-1335 Jan 28 j 05:14	12°♁19'17			max. Earth dist.	-1329 Apr 03 j 06:17	0°♁21'43	9.97480 AU	
retrograde	-1335 May 13 j 05:49	19°♁55'08			morning rise	-1329 Apr 21 j 00:07	2°♁40'55		
opposition	-1335 Jul 22 j 16:39	16°♁31'11	-1°-5'-40		retrograde	-1329 Aug 06 j 12:25	11°♁12'11		
min. Earth dist.	-1335 Jul 23 j 00:31	16°♁29'40	8.63934 AU		opposition	-1329 Oct 12 j 22:54	7°♁40'56	-2°-50'-16	
direct	-1335 Sep 29 j 02:15	13°♁11'12			min. Earth dist.	-1329 Oct 12 j 18:26	7°♁41'52	7.94767 AU	
evening set	-1334 Jan 06 j 19:17	20°♁31'21			direct	-1329 Dec 17 j 23:25	4°♁12'57		
					evening set	-1328 Mar 30 j 12:49	12°♁29'11		
conjunction	-1334 Jan 23 j 18:22	22°♁36'40	-1°-6'-51						
minimum elong	-1334 Jan 23 j 18:20	22°♁36'39	1°06'53		conjunction	-1328 Apr 17 j 10:58	14°♁50'25	-2°-10'-56	
max. Earth dist.	-1334 Jan 23 j 08:14	22°♁33'31	10.56973 AU		minimum elong	-1328 Apr 17 j 11:01	14°♁50'26	2°10'57	
morning rise	-1334 Feb 09 j 22:02	24°♁43'25			max. Earth dist.	-1328 Apr 17 j 17:38	14°♁52'37	9.92520 AU	
	-1334 Mar 31 j 13:24	0°♁			morning rise	-1328 May 05 j 12:06	17°♁12'35		
retrograde	-1334 May 26 j 19:13	2°♁30'46			retrograde	-1328 Aug 20 j 11:33	25°♁44'21		
	-1334 Jul 23 j 22:50	30°♄			opposition	-1328 Oct 26 j 12:00	22°♁13'08	-2°-34'-47	
opposition	-1334 Aug 04 j 20:50	29°♁05'10	-1°-39'-13		min. Earth dist.	-1328 Oct 26 j 05:53	22°♁14'24	7.91496 AU	
min. Earth dist.	-1334 Aug 05 j 03:57	29°♁03'47	8.49826 AU		direct	-1328 Dec 31 j 14:02	18°♁44'06		
direct	-1334 Oct 11 j 15:41	25°♁44'01			evening set	-1327 Apr 14 j 22:25	27°♁04'40		

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Attention, astronomical year style is used: The year -1327 in astronomical counting style is the year 1328 BCE in historical counting style.

conjunction	-1327 May 03 j 00:08	29°Υ27'07	-1°-54'-22	evening set	-1321 Jul 12 j 07:45	21°♄05'13	
minimum elong	-1327 May 03 j 00:12	29°Υ27'09	1°54'23				
max. Earth dist.	-1327 May 03 j 09:04	29°Υ30'05	9.91036 AU	conjunction	-1321 Jul 30 j 01:05	23°♄16'44	1°07'51
	-1327 May 07 j 03:38	0°♄		minimum elong	-1321 Jul 30 j 01:02	23°♄16'43	1°07'52
morning rise	-1327 May 21 j 03:43	1°♄50'07		max. Earth dist.	-1321 Jul 30 j 10:39	23°♄19'43	10.44603 AU
retrograde	-1327 Sep 04 j 08:04	10°♄18'41		morning rise	-1321 Aug 16 j 13:33	25°♄26'43	
opposition	-1327 Nov 10 j 00:51	6°♄47'58	-2°-9'-16		-1321 Sep 27 j 01:49	0°♄	
min. Earth dist.	-1327 Nov 09 j 17:26	6°♄49'31	7.91751 AU	retrograde	-1321 Nov 24 j 20:59	2°♄55'29	
direct	-1326 Jan 15 j 08:46	3°♄18'10			-1320 Jan 25 j 13:43	30°♄	
evening set	-1326 Apr 30 j 09:53	11°♄40'15		opposition	-1320 Jan 31 j 03:07	29°♄33'48	1°39'58
				min. Earth dist.	-1320 Jan 30 j 20:27	29°♄35'07	8.51631 AU
conjunction	-1326 May 18 j 14:09	14°♄03'01	-1°-30'-30	direct	-1320 Apr 09 j 19:45	26°♄06'40	
minimum elong	-1326 May 18 j 14:13	14°♄03'03	1°30'31		-1320 Jun 20 j 01:14	0°♄	
max. Earth dist.	-1326 May 19 j 00:48	14°♄06'32	9.93116 AU	evening set	-1320 Jul 24 j 19:58	3°♄52'18	
	-1326 May 25 j 19:17	15°♄					
morning rise	-1326 Jun 05 j 18:52	16°♄25'52		conjunction	-1320 Aug 11 j 07:49	6°♄00'19	1°33'28
retrograde	-1326 Sep 18 j 23:19	24°♄47'55		minimum elong	-1320 Aug 11 j 07:46	6°♄00'19	1°33'29
opposition	-1326 Nov 24 j 11:15	21°♄18'07	-1°-35'-36	max. Earth dist.	-1320 Aug 11 j 14:47	6°♄02'28	10.58705 AU
min. Earth dist.	-1326 Nov 24 j 02:34	21°♄19'56	7.95506 AU	morning rise	-1320 Aug 28 j 14:46	8°♄06'49	
direct	-1325 Jan 30 j 04:53	17°♄47'55			-1320 Nov 14 j 08:21	15°♄	
evening set	-1325 May 15 j 19:35	26°♄08'40		retrograde	-1320 Dec 06 j 06:50	15°♄25'49	
					-1320 Dec 28 j 11:59	15°♄	
conjunction	-1325 Jun 03 j 00:53	28°♄30'45	-1°-1'-7	opposition	-1319 Feb 11 j 23:48	12°♄05'42	2°08'14
minimum elong	-1325 Jun 03 j 00:56	28°♄30'46	1°01'07	min. Earth dist.	-1319 Feb 11 j 18:27	12°♄06'45	8.65676 AU
max. Earth dist.	-1325 Jun 03 j 12:54	28°♄34'41	9.98600 AU	direct	-1319 Apr 23 j 07:03	8°♄39'52	
	-1325 Jun 14 j 10:24	0°♄			-1319 Jul 26 j 22:10	15°♄	
morning rise	-1325 Jun 21 j 05:09	0°♄52'28		evening set	-1319 Aug 06 j 20:34	16°♄16'27	
retrograde	-1325 Oct 03 j 07:24	9°♄05'28					
opposition	-1325 Dec 08 j 17:36	5°♄36'57	0°-56'-23	conjunction	-1319 Aug 24 j 03:02	18°♄21'09	1°54'00
min. Earth dist.	-1325 Dec 08 j 07:46	5°♄38'59	8.02501 AU	minimum elong	-1319 Aug 24 j 02:59	18°♄21'08	1°54'02
direct	-1324 Feb 13 j 23:52	2°♄06'43		max. Earth dist.	-1319 Aug 24 j 07:50	18°♄22'36	10.72428 AU
evening set	-1324 May 29 j 23:59	10°♄23'30		morning rise	-1319 Sep 10 j 04:33	20°♄24'21	
				retrograde	-1319 Dec 18 j 11:19	27°♄34'51	
conjunction	-1324 Jun 17 j 04:37	12°♄43'57	0°-28'-23	opposition	-1318 Feb 24 j 14:14	24°♄16'06	2°29'47
minimum elong	-1324 Jun 17 j 04:38	12°♄43'57	0°28'24	min. Earth dist.	-1318 Feb 24 j 10:10	24°♄16'53	8.79019 AU
max. Earth dist.	-1324 Jun 17 j 17:30	12°♄48'07	10.07108 AU	direct	-1318 May 06 j 08:18	20°♄51'39	
morning rise	-1324 Jul 05 j 06:47	15°♄03'36		evening set	-1318 Aug 19 j 10:07	28°♄19'26	
retrograde	-1324 Oct 16 j 06:29	23°♄05'57			-1318 Sep 02 j 12:57	0°♄	
opposition	-1324 Dec 21 j 18:17	19°♄38'58	0°-14'-34	conjunction	-1318 Sep 05 j 11:31	0°♄21'08	2°08'59
min. Earth dist.	-1324 Dec 21 j 08:02	19°♄41'05	8.12271 AU	minimum elong	-1318 Sep 05 j 11:28	0°♄21'07	2°09'00
direct	-1323 Feb 27 j 14:56	16°♄09'04		max. Earth dist.	-1318 Sep 05 j 14:43	0°♄22'06	10.85140 AU
asc. node	-1323 May 02 j 07:43	19°♄30'10		morning rise	-1318 Sep 22 j 08:02	2°♄21'25	
evening set	-1323 Jun 13 j 20:48	24°♄19'50		retrograde	-1318 Dec 30 j 09:03	9°♄24'51	
				opposition	-1317 Mar 08 j 23:06	6°♄07'13	2°44'18
conjunction	-1323 Jul 01 j 23:03	26°♄37'49	0°05'26	min. Earth dist.	-1317 Mar 08 j 21:16	6°♄07'34	8.91065 AU
minimum elong	-1323 Jul 01 j 23:03	26°♄37'49	0°05'26	direct	-1317 May 19 j 01:33	2°♄44'06	
behind sun begin	-1323 Jul 01 j 16:00	26°♄35'35		evening set	-1317 Aug 31 j 13:46	10°♄03'46	
behind sun end	-1323 Jul 02 j 06:06	26°♄40'03					
max. Earth dist.	-1323 Jul 02 j 11:51	26°♄41'54	10.18076 AU	conjunction	-1317 Sep 17 j 10:38	12°♄02'54	2°18'10
morning rise	-1323 Jul 19 j 21:38	28°♄54'38		minimum elong	-1317 Sep 17 j 10:37	12°♄02'53	2°18'11
	-1323 Jul 28 j 17:17	0°♄		max. Earth dist.	-1317 Sep 17 j 11:14	12°♄03'04	10.96292 AU
retrograde	-1323 Oct 29 j 20:51	6°♄45'34		morning rise	-1317 Oct 04 j 03:05	14°♄00'46	
opposition	-1322 Jan 04 j 12:15	3°♄20'20	0°26'57	retrograde	-1316 Jan 11 j 02:14	20°♄58'38	
min. Earth dist.	-1322 Jan 04 j 02:33	3°♄22'18	8.24195 AU	opposition	-1316 Mar 20 j 03:07	17°♄41'51	2°51'45
	-1322 Mar 01 j 00:32	30°♄		min. Earth dist.	-1316 Mar 20 j 04:11	17°♄41'40	9.01296 AU
direct	-1322 Mar 13 j 23:21	29°♄51'05		direct	-1316 May 30 j 11:53	14°♄19'59	
	-1322 Mar 26 j 22:47	0°♄		evening set	-1316 Sep 11 j 08:46	21°♄32'28	
evening set	-1322 Jun 28 j 07:54	7°♄54'18					
				conjunction	-1316 Sep 28 j 01:52	23°♄29'33	2°21'37
conjunction	-1322 Jul 16 j 06:15	10°♄09'14	0°38'03	minimum elong	-1316 Sep 28 j 01:52	23°♄29'33	2°21'37
minimum elong	-1322 Jul 16 j 06:13	10°♄09'13	0°38'03	max. Earth dist.	-1316 Sep 27 j 22:56	23°♄28'41	11.05404 AU
max. Earth dist.	-1322 Jul 16 j 18:00	10°♄12'56	10.30819 AU	morning rise	-1316 Oct 14 j 15:22	25°♄25'35	
morning rise	-1322 Aug 03 j 00:04	12°♄22'44			-1316 Nov 28 j 17:22	0°♄	
retrograde	-1322 Nov 12 j 02:08	20°♄02'17		retrograde	-1315 Jan 21 j 14:28	2°♄19'31	
opposition	-1321 Jan 17 j 23:17	16°♄38'51	1°05'46		-1315 Mar 19 j 04:22	30°♄	
min. Earth dist.	-1321 Jan 17 j 15:07	16°♄40'29	8.37562 AU	opposition	-1315 Apr 01 j 03:26	29°♄03'17	2°52'18
direct	-1321 Mar 28 j 01:04	13°♄10'33					

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Attention, astronomical year style is used: The year -1315 in astronomical counting style is the year 1316 BCE in historical counting style.

min. Earth dist.	-1315 Apr 01 j 07:00	29° $\mathbb{M}$ 02'38	9.09258 AU	opposition	-1309 Jun 10 j 16:28	5° $\mathcal{Z}$ 55'03	0°55'21
direct	-1315 Jun 11 j 15:57	25° $\mathbb{M}$ 42'33		min. Earth dist.	-1309 Jun 11 j 02:12	5° $\mathcal{Z}$ 53'15	9.02085 AU
	-1315 Aug 27 j 19:52	0° $\underline{\mathbb{A}}$		direct	-1309 Aug 20 j 01:13	2° $\mathcal{Z}$ 36'48	
evening set	-1315 Sep 22 j 20:44	2° $\underline{\mathbb{A}}$ 49'03		evening set	-1309 Nov 27 j 20:20	9° $\mathcal{Z}$ 36'05	
conjunction	-1315 Oct 09 j 11:04	4° $\underline{\mathbb{A}}$ 44'39	2°19'30	conjunction	-1309 Dec 14 j 11:08	11° $\mathcal{Z}$ 33'47	0°31'52
minimum elong	-1315 Oct 09 j 11:05	4° $\underline{\mathbb{A}}$ 44'39	2°19'29	minimum elong	-1309 Dec 14 j 11:09	11° $\mathcal{Z}$ 33'47	0°31'50
max. Earth dist.	-1315 Oct 09 j 05:26	4° $\underline{\mathbb{A}}$ 43'00	11.12100 AU	max. Earth dist.	-1309 Dec 13 j 23:22	11° $\mathcal{Z}$ 30'17	10.97514 AU
morning rise	-1315 Oct 25 j 22:29	6° $\underline{\mathbb{A}}$ 39'25		morning rise	-1309 Dec 31 j 03:56	13° $\mathcal{Z}$ 32'10	
retrograde	-1314 Feb 02 j 02:38	13° $\underline{\mathbb{A}}$ 31'11		retrograde	-1308 Apr 11 j 22:51	20° $\mathcal{Z}$ 44'34	
opposition	-1314 Apr 13 j 01:11	10° $\underline{\mathbb{A}}$ 15'11	2°46'18	opposition	-1308 Jun 21 j 22:51	17° $\mathcal{Z}$ 23'51	0°21'38
min. Earth dist.	-1314 Apr 13 j 06:06	10° $\underline{\mathbb{A}}$ 14'17	9.14665 AU	min. Earth dist.	-1308 Jun 22 j 08:52	17° $\mathcal{Z}$ 21'59	8.92395 AU
direct	-1314 Jun 23 j 16:08	6° $\underline{\mathbb{A}}$ 55'28		direct	-1308 Aug 30 j 18:14	14° $\mathcal{Z}$ 05'10	
evening set	-1314 Oct 04 j 03:25	13° $\underline{\mathbb{A}}$ 57'13		evening set	-1308 Dec 08 j 09:27	21° $\mathcal{Z}$ 08'46	
conjunction	-1314 Oct 20 j 16:02	15° $\underline{\mathbb{A}}$ 51'55	2°12'06	conjunction	-1308 Dec 25 j 02:11	23° $\mathcal{Z}$ 08'20	0°03'34
minimum elong	-1314 Oct 20 j 16:04	15° $\underline{\mathbb{A}}$ 51'55	2°12'05	minimum elong	-1308 Dec 25 j 02:10	23° $\mathcal{Z}$ 08'20	0°03'33
max. Earth dist.	-1314 Oct 20 j 09:13	15° $\underline{\mathbb{A}}$ 49'55	11.16194 AU	behind sun begin	-1308 Dec 24 j 19:13	23° $\mathcal{Z}$ 06'16	
morning rise	-1314 Nov 06 j 02:16	17° $\underline{\mathbb{A}}$ 46'00		behind sun end	-1308 Dec 25 j 09:07	23° $\mathcal{Z}$ 10'24	
retrograde	-1313 Feb 13 j 15:28	24° $\underline{\mathbb{A}}$ 37'12		max. Earth dist.	-1308 Dec 24 j 13:57	23° $\mathcal{Z}$ 04'41	10.86921 AU
opposition	-1313 Apr 24 j 21:41	21° $\underline{\mathbb{A}}$ 21'08	2°34'10	morning rise	-1307 Jan 10 j 21:55	25° $\mathcal{Z}$ 08'50	
min. Earth dist.	-1313 Apr 25 j 04:10	21° $\underline{\mathbb{A}}$ 19'57	9.17408 AU	desc. node	-1307 Feb 08 j 17:11	28° $\mathcal{Z}$ 19'52	
direct	-1313 Jul 05 j 10:18	18° $\underline{\mathbb{A}}$ 02'13			-1307 Feb 26 j 18:17	0° $\mathcal{Z}$	
evening set	-1313 Oct 15 j 06:34	25° $\underline{\mathbb{A}}$ 00'30		retrograde	-1307 Apr 24 j 12:41	2° $\mathcal{Z}$ 30'10	
					-1307 Jun 22 j 18:50	30° $\mathcal{R}$ $\mathcal{Z}$	
conjunction	-1313 Oct 31 j 18:15	26° $\underline{\mathbb{A}}$ 54'51	1°59'48	opposition	-1307 Jul 04 j 10:43	29° $\mathcal{Z}$ 07'56	0°-13'-47
minimum elong	-1313 Oct 31 j 18:17	26° $\underline{\mathbb{A}}$ 54'51	1°59'48	min. Earth dist.	-1307 Jul 04 j 20:38	29° $\mathcal{Z}$ 06'04	8.80932 AU
max. Earth dist.	-1313 Oct 31 j 09:35	26° $\underline{\mathbb{A}}$ 52'19	11.17617 AU	direct	-1307 Sep 11 j 17:18	25° $\mathcal{Z}$ 48'36	
morning rise	-1313 Nov 17 j 04:22	28° $\underline{\mathbb{A}}$ 48'49			-1307 Nov 23 j 19:32	0° $\mathcal{Z}$	
	-1313 Nov 27 j 18:47	0° $\mathbb{M}$		evening set	-1307 Dec 20 j 05:52	2° $\mathcal{Z}$ 58'07	
retrograde	-1312 Feb 25 j 03:44	5° $\mathbb{M}$ 41'03		conjunction	-1306 Jan 06 j 01:02	4° $\mathcal{Z}$ 59'55	0°-25'-36
opposition	-1312 May 05 j 17:58	2° $\mathbb{M}$ 24'35	2°16'24	minimum elong	-1306 Jan 06 j 01:01	4° $\mathcal{Z}$ 59'55	0°25'38
min. Earth dist.	-1312 May 06 j 02:30	2° $\mathbb{M}$ 23'02	9.17454 AU	max. Earth dist.	-1306 Jan 05 j 13:58	4° $\mathcal{Z}$ 56'33	10.74740 AU
	-1312 Jun 11 j 18:13	30° $\mathcal{R}$ $\underline{\mathbb{A}}$		morning rise	-1306 Jan 22 j 23:53	7° $\mathcal{Z}$ 02'52	
direct	-1312 Jul 16 j 02:09	29° $\underline{\mathbb{A}}$ 06'11		retrograde	-1306 May 07 j 13:01	14° $\mathcal{Z}$ 34'25	
	-1312 Aug 18 j 18:52	0° $\mathbb{M}$		opposition	-1306 Jul 17 j 04:46	11° $\mathcal{Z}$ 10'35	0°-49'-38
evening set	-1312 Oct 25 j 08:06	6° $\mathbb{M}$ 02'28		min. Earth dist.	-1306 Jul 17 j 13:29	11° $\mathcal{Z}$ 08'55	8.68128 AU
conjunction	-1312 Nov 10 j 19:29	7° $\mathbb{M}$ 56'57	1°43'04	direct	-1306 Sep 23 j 21:59	7° $\mathcal{Z}$ 50'26	
minimum elong	-1312 Nov 10 j 19:32	7° $\mathbb{M}$ 56'57	1°43'03	evening set	-1305 Jan 01 j 11:43	15° $\mathcal{Z}$ 07'23	
max. Earth dist.	-1312 Nov 10 j 08:32	7° $\mathbb{M}$ 53'45	11.16362 AU	conjunction	-1305 Jan 18 j 09:41	17° $\mathcal{Z}$ 11'42	0°-54'-17
morning rise	-1312 Nov 27 j 06:26	9° $\mathbb{M}$ 51'19		minimum elong	-1305 Jan 18 j 09:39	17° $\mathcal{Z}$ 11'41	0°54'18
	-1311 Jan 19 j 06:57	15° $\mathbb{M}$		max. Earth dist.	-1305 Jan 18 j 00:40	17° $\mathcal{Z}$ 08'55	10.61441 AU
retrograde	-1311 Mar 07 j 18:54	16° $\mathbb{M}$ 46'11		morning rise	-1305 Feb 04 j 11:45	19° $\mathcal{Z}$ 17'21	
	-1311 Apr 26 j 01:24	15° $\mathcal{R}$ $\mathbb{M}$		retrograde	-1305 May 20 j 22:18	27° $\mathcal{Z}$ 00'02	
opposition	-1311 May 17 j 15:02	13° $\mathbb{M}$ 29'01	1°53'34	opposition	-1305 Jul 30 j 05:32	23° $\mathcal{Z}$ 34'35	-1°-24'-19
min. Earth dist.	-1311 May 18 j 01:01	13° $\mathbb{M}$ 27'12	9.14833 AU	min. Earth dist.	-1305 Jul 30 j 12:11	23° $\mathcal{Z}$ 33'18	8.54506 AU
direct	-1311 Jul 27 j 17:38	10° $\mathbb{M}$ 10'54		direct	-1305 Oct 06 j 08:12	20° $\mathcal{Z}$ 13'26	
	-1311 Oct 17 j 06:08	15° $\mathbb{M}$		evening set	-1304 Jan 14 j 04:22	27° $\mathcal{Z}$ 39'14	
evening set	-1311 Nov 05 j 09:38	17° $\mathbb{M}$ 06'37		conjunction	-1304 Jan 31 j 05:19	29° $\mathcal{Z}$ 46'16	-1°-21'-11
conjunction	-1311 Nov 21 j 21:36	19° $\mathbb{M}$ 01'43	1°22'24	minimum elong	-1304 Jan 31 j 05:17	29° $\mathcal{Z}$ 46'15	1°21'12
minimum elong	-1311 Nov 21 j 21:38	19° $\mathbb{M}$ 01'44	1°22'23	max. Earth dist.	-1304 Jan 30 j 21:55	29° $\mathcal{Z}$ 43'57	10.47599 AU
max. Earth dist.	-1311 Nov 21 j 10:06	18° $\mathbb{M}$ 58'21	11.12493 AU		-1304 Feb 02 j 01:13	0° $\approx$	
morning rise	-1311 Dec 08 j 09:58	20° $\mathbb{M}$ 57'00		morning rise	-1304 Feb 17 j 10:49	1° $\approx$ 54'47	
retrograde	-1310 Mar 19 j 13:28	27° $\mathbb{M}$ 56'08		retrograde	-1304 Jun 02 j 17:19	9° $\approx$ 49'06	
opposition	-1310 May 29 j 14:12	24° $\mathbb{M}$ 37'58	1°26'18	opposition	-1304 Aug 11 j 13:53	6° $\approx$ 22'05	-1°-56'-3
min. Earth dist.	-1310 May 30 j 00:13	24° $\mathbb{M}$ 36'08	9.09651 AU	min. Earth dist.	-1304 Aug 11 j 18:30	6° $\approx$ 21'11	8.40682 AU
direct	-1310 Aug 08 j 08:32	21° $\mathbb{M}$ 19'54		direct	-1304 Oct 18 j 02:30	2° $\approx$ 59'50	
evening set	-1310 Nov 16 j 12:57	28° $\mathbb{M}$ 16'35		evening set	-1303 Jan 26 j 08:48	10° $\approx$ 35'28	
	-1310 Dec 01 j 06:47	0° $\mathcal{Z}$		conjunction	-1303 Feb 12 j 12:56	12° $\approx$ 45'22	-1°-44'-45
conjunction	-1310 Dec 03 j 02:10	0° $\mathcal{Z}$ 12'47	0°58'26	minimum elong	-1303 Feb 12 j 12:53	12° $\approx$ 45'21	1°44'47
minimum elong	-1310 Dec 03 j 02:12	0° $\mathcal{Z}$ 12'48	0°58'24	max. Earth dist.	-1303 Feb 12 j 07:18	12° $\approx$ 43'34	10.33886 AU
max. Earth dist.	-1310 Dec 02 j 14:57	0° $\mathcal{Z}$ 09'29	11.06139 AU	morning rise	-1303 Mar 01 j 22:04	14° $\approx$ 56'51	
morning rise	-1310 Dec 19 j 16:27	2° $\mathcal{Z}$ 09'24		retrograde	-1303 Mar 02 j 08:12	15° $\approx$	
retrograde	-1309 Mar 31 j 15:43	9° $\mathcal{Z}$ 14'25					



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Attention, astronomical year style is used: The year -1303 in astronomical counting style is the year 1304 BCE in historical counting style.

retrograde	-1303 Jun 16 j 22:04	23° <del>00</del> 2'35		max. Earth dist.	-1297 May 12 j 11:49	7° <del>00</del> 49'13	9.93049 AU
opposition	-1303 Aug 25 j 05:51	19° <del>00</del> 34'11	-2°-22'-47	morning rise	-1297 May 30 j 03:58	10° <del>00</del> 08'08	
min. Earth dist.	-1303 Aug 25 j 08:38	19° <del>00</del> 33'38	8.27359 AU		-1297 Jul 10 j 13:19	15° <del>00</del> 08	
direct	-1303 Oct 31 j 04:48	16° <del>00</del> 10'42		retrograde	-1297 Sep 12 j 21:06	18° <del>00</del> 33'05	
evening set	-1302 Feb 09 j 01:45	23° <del>00</del> 56'44		opposition	-1297 Nov 18 j 09:53	15° <del>00</del> 03'20	-1°-51'-23
				min. Earth dist.	-1297 Nov 18 j 00:43	15° <del>00</del> 05'15	7.94780 AU
conjunction	-1302 Feb 26 j 09:30	26° <del>00</del> 09'32	-2°-3'-22		-1297 Nov 19 j 01:53	15° <del>00</del> R08	
minimum elong	-1302 Feb 26 j 09:28	26° <del>00</del> 09'31	2°03'24	direct	-1296 Jan 23 j 21:38	11° <del>00</del> 33'52	
max. Earth dist.	-1302 Feb 26 j 06:14	26° <del>00</del> 08'29	10.21037 AU		-1296 Mar 27 j 03:19	15° <del>00</del> 08	
morning rise	-1302 Mar 15 j 22:25	28° <del>00</del> 23'59		evening set	-1296 May 08 j 07:28	19° <del>00</del> 55'00	
	-1302 Mar 28 j 21:36	0° <del>00</del> X					
retrograde	-1302 Jul 01 j 10:29	6° <del>00</del> X40'04		conjunction	-1296 May 26 j 12:25	22° <del>00</del> 08'17'20	-1°-14'-45
opposition	-1302 Sep 08 j 04:49	3° <del>00</del> X10'32	-2°-42'-28	minimum elong	-1296 May 26 j 12:28	22° <del>00</del> 08'17'21	1°14'45
min. Earth dist.	-1302 Sep 08 j 05:43	3° <del>00</del> X10'21	8.15283 AU	max. Earth dist.	-1296 May 27 j 00:42	22° <del>00</del> 08'21'22	9.97123 AU
	-1302 Oct 28 j 19:25	30° <del>00</del> R00		morning rise	-1296 Jun 13 j 16:52	24° <del>00</del> 08'39'30	
direct	-1302 Nov 13 j 17:12	29° <del>00</del> 45'46			-1296 Jul 30 j 08:58	0° <del>00</del> II	
	-1302 Nov 29 j 13:42	0° <del>00</del> X		retrograde	-1296 Sep 26 j 08:55	2° <del>00</del> II56'27	
evening set	-1301 Feb 23 j 06:58	7° <del>00</del> X42'07			-1296 Nov 25 j 06:50	30° <del>00</del> R08	
				opposition	-1296 Dec 01 j 18:18	29° <del>00</del> 08'27'51	-1°-14'-19
conjunction	-1301 Mar 12 j 18:46	9° <del>00</del> X57'45	-2°-15'-30	min. Earth dist.	-1296 Dec 01 j 09:23	29° <del>00</del> 08'29'42	8.00304 AU
minimum elong	-1301 Mar 12 j 18:45	9° <del>00</del> X57'44	2°15'32	direct	-1295 Feb 06 j 17:18	25° <del>00</del> 08'58'09	
max. Earth dist.	-1301 Mar 12 j 18:43	9° <del>00</del> X57'43	10.09802 AU		-1295 Apr 17 j 07:35	0° <del>00</del> II	
morning rise	-1301 Mar 30 j 11:28	12° <del>00</del> X14'57		evening set	-1295 May 23 j 14:42	4° <del>00</del> II16'37	
retrograde	-1301 Jul 16 j 04:40	20° <del>00</del> X39'26					
opposition	-1301 Sep 22 j 10:01	17° <del>00</del> X09'04	-2°-53'-11	conjunction	-1295 Jun 10 j 19:43	6° <del>00</del> II37'47	0°-43'-14
min. Earth dist.	-1301 Sep 22 j 08:38	17° <del>00</del> X09'21	8.05174 AU	minimum elong	-1295 Jun 10 j 19:45	6° <del>00</del> II37'48	0°43'14
direct	-1301 Nov 27 j 15:19	13° <del>00</del> X43'05		max. Earth dist.	-1295 Jun 11 j 07:25	6° <del>00</del> II41'35	10.04130 AU
evening set	-1300 Mar 08 j 23:21	21° <del>00</del> X48'50		morning rise	-1295 Jun 28 j 23:00	8° <del>00</del> II58'21	
				retrograde	-1295 Oct 10 j 12:10	17° <del>00</del> II05'28	
conjunction	-1300 Mar 26 j 15:25	24° <del>00</del> X07'04	-2°-19'-49	opposition	-1295 Dec 15 j 21:49	13° <del>00</del> II38'19	0°-33'-19
minimum elong	-1300 Mar 26 j 15:26	24° <del>00</del> X07'04	2°19'51	min. Earth dist.	-1295 Dec 15 j 13:12	13° <del>00</del> II40'05	8.08584 AU
max. Earth dist.	-1300 Mar 26 j 19:12	24° <del>00</del> X08'18	10.00888 AU	direct	-1294 Feb 21 j 10:43	10° <del>00</del> II08'42	
morning rise	-1300 Apr 13 j 11:44	26° <del>00</del> X26'40		evening set	-1294 Jun 07 j 15:39	18° <del>00</del> II22'20	
	-1300 May 12 j 18:11	0° <del>00</del> Y					
retrograde	-1300 Jul 30 j 02:59	4° <del>00</del> Y56'43		conjunction	-1294 Jun 25 j 19:00	20° <del>00</del> II41'27	0°-9'-41
opposition	-1300 Oct 05 j 19:56	1° <del>00</del> Y25'53	-2°-53'-32	minimum elong	-1294 Jun 25 j 19:01	20° <del>00</del> II41'28	0°09'41
min. Earth dist.	-1300 Oct 05 j 15:45	1° <del>00</del> Y26'45	7.97686 AU	behind sun begin	-1294 Jun 25 j 13:01	20° <del>00</del> II39'33	
	-1300 Oct 23 j 16:39	30° <del>00</del> R08		behind sun end	-1294 Jun 26 j 01:00	20° <del>00</del> II43'22	
direct	-1300 Dec 10 j 21:25	27° <del>00</del> X58'47		max. Earth dist.	-1294 Jun 26 j 05:52	20° <del>00</del> II44'56	10.13677 AU
	-1299 Jan 26 j 20:44	0° <del>00</del> Y		morning rise	-1294 Jul 13 j 19:27	22° <del>00</del> II59'35	
evening set	-1299 Mar 24 j 01:02	6° <del>00</del> Y12'13			-1294 Sep 22 j 11:10	0° <del>00</del> 00	
				asc. node	-1294 Oct 12 j 03:58	0° <del>00</del> 0047'32	
conjunction	-1299 Apr 10 j 21:24	8° <del>00</del> Y32'37	-2°-15'-34	retrograde	-1294 Oct 24 j 06:19	0° <del>00</del> 0055'47	
minimum elong	-1299 Apr 10 j 21:26	8° <del>00</del> Y32'38	2°15'35		-1294 Nov 25 j 09:08	30° <del>00</del> R00	
max. Earth dist.	-1299 Apr 11 j 04:46	8° <del>00</del> Y35'03	9.94906 AU	opposition	-1294 Dec 29 j 19:13	27° <del>00</del> II30'13	0°08'40
morning rise	-1299 Apr 28 j 21:05	10° <del>00</del> Y54'06		min. Earth dist.	-1294 Dec 29 j 10:49	27° <del>00</del> II31'55	8.19189 AU
retrograde	-1299 Aug 14 j 02:58	19° <del>00</del> Y26'10		direct	-1293 Mar 07 j 23:04	24° <del>00</del> II01'00	
opposition	-1299 Oct 20 j 08:38	15° <del>00</del> Y55'17	-2°-42'-53		-1293 Jun 04 j 15:48	0° <del>00</del> 00	
min. Earth dist.	-1299 Oct 20 j 01:57	15° <del>00</del> Y56'40	7.93329 AU	evening set	-1293 Jun 22 j 07:44	2° <del>00</del> 0007'57	
direct	-1299 Dec 25 j 09:11	12° <del>00</del> Y27'12					
evening set	-1298 Apr 08 j 09:14	20° <del>00</del> Y45'57		conjunction	-1293 Jul 10 j 07:53	4° <del>00</del> 0024'19	0°23'47
				minimum elong	-1293 Jul 10 j 07:52	4° <del>00</del> 0024'19	0°23'48
conjunction	-1298 Apr 26 j 09:32	23° <del>00</del> Y07'53	-2°-2'-41	max. Earth dist.	-1293 Jul 10 j 17:52	4° <del>00</del> 0027'29	10.25252 AU
minimum elong	-1298 Apr 26 j 09:36	23° <del>00</del> Y07'54	2°02'41	morning rise	-1293 Jul 28 j 04:07	6° <del>00</del> 0039'24	
max. Earth dist.	-1298 Apr 26 j 19:44	23° <del>00</del> Y11'15	9.92254 AU	retrograde	-1293 Nov 06 j 15:40	14° <del>00</del> 0024'19	
morning rise	-1298 May 14 j 11:58	25° <del>00</del> Y30'30		opposition	-1292 Jan 12 j 09:50	11° <del>00</del> 0000'21	0°49'01
	-1298 Jun 21 j 02:58	0° <del>00</del> 08		min. Earth dist.	-1292 Jan 12 j 01:34	11° <del>00</del> 0002'01	8.31535 AU
retrograde	-1298 Aug 29 j 02:19	4° <del>00</del> 0004'46		direct	-1292 Mar 21 j 05:17	7° <del>00</del> 0031'50	
opposition	-1298 Nov 03 j 22:04	0° <del>00</del> 08'30'15	-2°-21'-40	evening set	-1292 Jul 05 j 13:03	15° <del>00</del> 0030'45	
min. Earth dist.	-1298 Nov 03 j 13:36	0° <del>00</del> 08'32'01	7.92367 AU				
	-1298 Nov 09 j 23:34	30° <del>00</del> R00		conjunction	-1292 Jul 23 j 08:50	17° <del>00</del> 0043'54	0°55'05
direct	-1297 Jan 09 j 01:56	27° <del>00</del> Y01'21		minimum elong	-1292 Jul 23 j 08:48	17° <del>00</del> 0043'53	0°55'06
	-1297 Mar 08 j 05:14	0° <del>00</del> 08		max. Earth dist.	-1292 Jul 23 j 18:00	17° <del>00</del> 0046'46	10.38200 AU
evening set	-1297 Apr 23 j 20:35	5° <del>00</del> 08'22'40		morning rise	-1292 Aug 09 j 23:54	19° <del>00</del> 0055'34	
				retrograde	-1292 Nov 18 j 15:20	27° <del>00</del> 0029'30	
conjunction	-1297 May 11 j 23:52	7° <del>00</del> 08'45'16	-1°-41'-54	opposition	-1291 Jan 24 j 17:13	24° <del>00</del> 0007'06	1°25'31
minimum elong	-1297 May 11 j 23:56	7° <del>00</del> 08'45'17	1°41'55	min. Earth dist.	-1291 Jan 24 j 09:50	24° <del>00</del> 0008'34	8.44918 AU

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Attention, astronomical year style is used: The year -1291 in astronomical counting style is the year 1292 BCE in historical counting style.

direct	-1291 Apr 04 j 03:56	20°♄39'29		evening set	-1285 Sep 29 j 14:21	9°♄19'14	
evening set	-1291 Jul 19 j 07:03	28°♄29'37					
	-1291 Jul 31 j 14:22	0°♄		conjunction	-1285 Oct 16 j 03:39	11°♄14'21	2°16'05
				minimum elong	-1285 Oct 16 j 03:40	11°♄14'21	2°16'04
conjunction	-1291 Aug 05 j 21:40	0°♄39'20	1°22'44	max. Earth dist.	-1285 Oct 15 j 22:06	11°♄12'44	11.13643 AU
minimum elong	-1291 Aug 05 j 21:37	0°♄39'19	1°22'45	morning rise	-1285 Nov 01 j 14:25	13°♄08'45	
max. Earth dist.	-1291 Aug 06 j 05:35	0°♄41'47	10.51800 AU	retrograde	-1284 Feb 08 j 22:01	20°♄00'01	
morning rise	-1291 Aug 23 j 07:04	2°♄47'29		opposition	-1284 Apr 19 j 01:50	16°♄43'39	2°40'23
retrograde	-1291 Dec 01 j 06:34	10°♄11'12		min. Earth dist.	-1284 Apr 19 j 07:20	16°♄42'38	9.15745 AU
opposition	-1290 Feb 06 j 17:25	6°♄50'18	1°56'35	direct	-1284 Jun 29 j 15:36	13°♄24'01	
min. Earth dist.	-1290 Feb 06 j 11:55	6°♄51'23	8.58625 AU	evening set	-1284 Oct 09 j 18:40	20°♄23'41	
direct	-1290 Apr 17 j 17:54	3°♄23'44					
evening set	-1290 Aug 01 j 13:17	11°♄04'49		conjunction	-1284 Oct 26 j 06:36	22°♄18'08	2°05'53
				minimum elong	-1284 Oct 26 j 06:38	22°♄18'08	2°05'53
conjunction	-1290 Aug 18 j 22:19	13°♄11'08	1°45'38	max. Earth dist.	-1284 Oct 25 j 23:23	22°♄16'02	11.16850 AU
minimum elong	-1290 Aug 18 j 22:16	13°♄11'07	1°45'40	morning rise	-1284 Nov 11 j 16:51	24°♄12'07	
max. Earth dist.	-1290 Aug 19 j 03:56	13°♄12'51	10.65363 AU				
	-1290 Sep 02 j 21:01	15°♄		retrograde	-1283 Feb 19 j 09:11	1°♄03'29	
morning rise	-1290 Sep 05 j 02:10	15°♄15'54					
retrograde	-1290 Dec 13 j 13:57	22°♄30'32		opposition	-1283 Apr 30 j 21:39	27°♄46'58	2°25'00
opposition	-1289 Feb 19 j 11:03	19°♄10'57	2°21'14	min. Earth dist.	-1283 May 01 j 03:59	27°♄45'49	9.17627 AU
min. Earth dist.	-1289 Feb 19 j 07:42	19°♄11'36	8.71985 AU	direct	-1283 Jul 11 j 09:10	24°♄28'09	
direct	-1289 Apr 30 j 22:53	15°♄45'33					
evening set	-1289 Aug 14 j 07:52	23°♄17'43		evening set	-1283 Oct 20 j 20:15	1°♄24'57	
conjunction	-1289 Aug 31 j 11:29	25°♄20'52	2°03'09	conjunction	-1283 Nov 06 j 07:45	3°♄19'15	1°51'02
minimum elong	-1289 Aug 31 j 11:26	25°♄20'52	2°03'10	minimum elong	-1283 Nov 06 j 07:48	3°♄19'16	1°51'02
max. Earth dist.	-1289 Aug 31 j 14:15	25°♄21'42	10.78261 AU	max. Earth dist.	-1283 Nov 06 j 00:01	3°♄17'00	11.17450 AU
morning rise	-1289 Sep 17 j 10:19	27°♄22'35		morning rise	-1283 Nov 22 j 18:10	5°♄13'19	
	-1289 Oct 10 j 18:18	0°♄		retrograde	-1282 Mar 03 j 00:22	12°♄06'25	
retrograde	-1289 Dec 25 j 12:24	4°♄29'29		opposition	-1282 May 12 j 17:51	8°♄49'32	2°04'19
opposition	-1288 Mar 02 j 22:28	1°♄11'00	2°38'55	min. Earth dist.	-1282 May 13 j 00:51	8°♄48'16	9.16872 AU
min. Earth dist.	-1288 Mar 02 j 20:51	1°♄11'19	8.84396 AU	direct	-1282 Jul 23 j 00:20	5°♄31'21	
	-1288 Mar 18 j 19:36	30°♄		evening set	-1282 Oct 31 j 21:12	12°♄26'41	
direct	-1288 May 12 j 21:38	27°♄46'49					
	-1288 Jul 05 j 11:32	0°♄		conjunction	-1282 Nov 17 j 08:53	14°♄21'20	1°32'03
evening set	-1288 Aug 25 j 15:56	5°♄10'34		minimum elong	-1282 Nov 17 j 08:55	14°♄21'21	1°32'03
				max. Earth dist.	-1282 Nov 16 j 23:57	14°♄18'44	11.15429 AU
conjunction	-1288 Sep 11 j 14:46	7°♄10'57	2°14'55				
minimum elong	-1288 Sep 11 j 14:44	7°♄10'56	2°14'55	morning rise	-1282 Dec 03 j 20:22	16°♄16'01	
max. Earth dist.	-1288 Sep 11 j 15:07	7°♄11'03	10.89949 AU	retrograde	-1281 Mar 14 j 16:54	23°♄12'26	
morning rise	-1288 Sep 28 j 09:13	9°♄10'02		opposition	-1281 May 24 j 15:32	19°♄54'55	1°38'55
retrograde	-1287 Jan 05 j 07:39	16°♄10'41		min. Earth dist.	-1281 May 24 j 23:59	19°♄53'22	9.13517 AU
opposition	-1287 Mar 15 j 04:25	12°♄53'04	2°49'30	direct	-1281 Aug 03 j 13:04	16°♄37'06	
min. Earth dist.	-1287 Mar 15 j 04:00	12°♄53'09	8.95339 AU	evening set	-1281 Nov 11 j 23:14	23°♄32'32	
direct	-1287 May 25 j 12:26	9°♄30'07					
evening set	-1287 Sep 06 j 14:42	16°♄46'14		conjunction	-1281 Nov 28 j 11:40	25°♄28'00	1°09'29
				minimum elong	-1281 Nov 28 j 11:42	25°♄28'01	1°09'28
conjunction	-1287 Sep 23 j 09:34	18°♄44'20	2°20'54	max. Earth dist.	-1281 Nov 28 j 01:06	25°♄24'54	11.10858 AU
minimum elong	-1287 Sep 23 j 09:33	18°♄44'20	2°20'53	morning rise	-1281 Dec 15 j 01:01	27°♄23'46	
max. Earth dist.	-1287 Sep 23 j 08:36	18°♄44'03	10.99965 AU				
morning rise	-1287 Oct 10 j 00:21	20°♄41'17		retrograde	-1280 Mar 25 j 14:22	4°♄25'07	
retrograde	-1286 Jan 16 j 22:52	27°♄37'12		opposition	-1280 Jun 04 j 15:47	1°♄06'43	1°09'32
opposition	-1286 Mar 27 j 06:21	24°♄20'15	2°53'04	min. Earth dist.	-1280 Jun 05 j 01:13	1°♄04'59	9.07668 AU
min. Earth dist.	-1286 Mar 27 j 07:37	24°♄20'01	9.04405 AU				
direct	-1286 Jun 06 j 17:51	20°♄58'32		direct	-1280 Aug 14 j 04:41	27°♄48'59	
evening set	-1286 Sep 18 j 05:33	28°♄07'56					
				evening set	-1280 Nov 22 j 04:07	4°♄46'07	
conjunction	-1286 Oct 04 j 21:13	0°♄04'17	2°21'12				
minimum elong	-1286 Oct 04 j 21:13	0°♄04'17	2°21'11	conjunction	-1280 Dec 08 j 17:57	6°♄42'50	0°44'00
	-1286 Oct 04 j 06:38	0°♄		minimum elong	-1280 Dec 08 j 17:58	6°♄42'50	0°43'58
max. Earth dist.	-1286 Oct 04 j 18:28	0°♄03'28	11.07951 AU	max. Earth dist.	-1280 Dec 08 j 07:10	6°♄39'39	11.03872 AU
morning rise	-1286 Oct 21 j 09:24	1°♄59'40		morning rise	-1280 Dec 25 j 09:30	8°♄40'06	
retrograde	-1285 Jan 28 j 11:00	8°♄52'29		retrograde	-1279 Apr 06 j 17:31	15°♄47'58	
opposition	-1285 Apr 08 j 05:14	5°♄35'57	2°49'54	opposition	-1279 Jun 16 j 19:38	12°♄28'26	0°36'59
min. Earth dist.	-1285 Apr 08 j 08:50	5°♄35'16	9.11284 AU	min. Earth dist.	-1279 Jun 17 j 04:53	12°♄26'43	8.99509 AU
direct	-1285 Jun 18 j 19:15	2°♄15'20		direct	-1279 Aug 25 j 21:39	9°♄10'33	

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Attention, astronomical year style is used: The year -1279 in astronomical counting style is the year 1280 BCE in historical counting style.

evening set	-1279 Dec 03 j 13:49	16°♄10'58		retrograde	-1273 Jun 24 j 23:27	0°♃29'12	
					-1273 Jul 18 j 18:17	30°♃	
conjunction	-1279 Dec 20 j 05:35	18°♄09'20	0°16'24	opposition	-1273 Sep 02 j 00:55	27°♃00'34	-2°-34'-12
minimum elong	-1279 Dec 20 j 05:35	18°♄09'20	0°16'23	min. Earth dist.	-1273 Sep 02 j 03:18	27°♃00'06	8.22940 AU
max. Earth dist.	-1279 Dec 19 j 19:33	18°♄06'21	10.94688 AU	direct	-1273 Nov 07 j 19:21	23°♃36'45	
morning rise	-1278 Jan 05 j 23:40	20°♄08'29			-1272 Feb 05 j 07:05	0°♃	
retrograde	-1278 Apr 19 j 04:51	27°♄24'23		evening set	-1272 Feb 16 j 23:26	1°♃26'58	
opposition	-1278 Jun 29 j 04:15	24°♄03'29	0°02'16				
min. Earth dist.	-1278 Jun 29 j 12:41	24°♄01'55	8.89307 AU	conjunction	-1272 Mar 05 j 09:11	3°♃40'57	-2°-10'-44
desc. node	-1278 Jul 23 j 08:36	22°♄20'27		minimum elong	-1272 Mar 05 j 09:09	3°♃40'56	2°10'46
direct	-1278 Sep 06 j 18:02	20°♄45'11		max. Earth dist.	-1272 Mar 05 j 07:03	3°♃40'15	10.16752 AU
evening set	-1278 Dec 15 j 06:07	27°♄50'31		morning rise	-1272 Mar 22 j 23:42	5°♃56'30	
				retrograde	-1272 Jul 08 j 13:59	14°♃16'01	
conjunction	-1277 Jan 01 j 00:01	29°♄50'53	0°-12'-27	opposition	-1272 Sep 15 j 02:13	10°♃46'11	-2°-49'-20
minimum elong	-1277 Jan 01 j 00:01	29°♄50'53	0°12'29	min. Earth dist.	-1272 Sep 15 j 02:11	10°♃46'12	8.11265 AU
behind sun begin	-1278 Dec 31 j 19:23	29°♄49'30		direct	-1272 Nov 20 j 11:27	7°♃20'56	
behind sun end	-1277 Jan 01 j 04:39	29°♄52'15		evening set	-1271 Mar 02 j 09:22	15°♃21'10	
max. Earth dist.	-1278 Dec 31 j 13:47	29°♄47'48	10.83597 AU				
	-1277 Jan 02 j 06:17	0°♃		conjunction	-1271 Mar 19 j 23:11	17°♃37'55	-2°-18'-52
morning rise	-1277 Jan 17 j 21:07	1°♃52'16		minimum elong	-1271 Mar 19 j 23:10	17°♃37'55	2°18'54
retrograde	-1277 May 02 j 00:55	9°♃17'32		max. Earth dist.	-1271 Mar 19 j 23:34	17°♃38'03	10.06076 AU
opposition	-1277 Jul 11 j 18:31	5°♃55'10	0°-33'-25	morning rise	-1271 Apr 06 j 17:34	19°♃56'09	
min. Earth dist.	-1277 Jul 12 j 02:47	5°♃53'36	8.77376 AU	retrograde	-1271 Jul 23 j 10:04	28°♃22'54	
direct	-1277 Sep 18 j 17:36	2°♃36'09		opposition	-1271 Sep 29 j 09:05	24°♃52'13	-2°-54'-46
evening set	-1277 Dec 27 j 06:50	9°♃48'03		min. Earth dist.	-1271 Sep 29 j 07:10	24°♃52'37	8.01845 AU
				direct	-1271 Dec 04 j 12:03	21°♃25'33	
conjunction	-1276 Jan 13 j 03:09	11°♃50'43	0°-41'-22	evening set	-1270 Mar 17 j 05:47	29°♃34'37	
minimum elong	-1276 Jan 13 j 03:07	11°♃50'43	0°41'24		-1270 Mar 20 j 12:19	0°♃	
max. Earth dist.	-1276 Jan 12 j 16:29	11°♃47'28	10.70948 AU				
morning rise	-1276 Jan 30 j 03:30	13°♃54'40		conjunction	-1270 Apr 03 j 23:53	1°♃53'50	-2°-18'-46
retrograde	-1276 May 14 j 03:31	21°♃30'28		minimum elong	-1270 Apr 03 j 23:54	1°♃53'51	2°18'48
opposition	-1276 Jul 23 j 15:10	18°♃06'32	-1°-8'-41	max. Earth dist.	-1270 Apr 04 j 03:01	1°♃54'52	9.97994 AU
min. Earth dist.	-1276 Jul 23 j 23:21	18°♃04'58	8.64122 AU	morning rise	-1270 Apr 21 j 21:59	4°♃14'20	
direct	-1276 Sep 30 j 00:13	14°♃46'33		retrograde	-1270 Aug 07 j 09:01	12°♃45'07	
evening set	-1275 Jan 07 j 17:23	22°♃06'39		opposition	-1270 Oct 13 j 19:44	9°♃13'59	-2°-49'-27
				min. Earth dist.	-1270 Oct 13 j 16:04	9°♃14'45	7.95277 AU
conjunction	-1275 Jan 24 j 16:32	24°♃11'55	-1°-9'-10	direct	-1270 Dec 18 j 20:07	5°♃46'03	
minimum elong	-1275 Jan 24 j 16:29	24°♃11'55	1°09'11	evening set	-1269 Apr 01 j 10:14	14°♃02'00	
max. Earth dist.	-1275 Jan 24 j 06:51	24°♃08'55	10.57226 AU				
morning rise	-1275 Feb 10 j 20:16	26°♃18'39		conjunction	-1269 Apr 19 j 08:31	16°♃23'11	-2°-10'-1
	-1275 Mar 15 j 11:41	0°♃		minimum elong	-1269 Apr 19 j 08:34	16°♃23'12	2°10'02
retrograde	-1275 May 27 j 16:14	4°♃05'54		max. Earth dist.	-1269 Apr 19 j 14:29	16°♃25'09	9.93031 AU
opposition	-1275 Aug 05 j 19:07	0°♃40'20	-1°-41'-51	morning rise	-1269 May 07 j 09:49	18°♃45'18	
min. Earth dist.	-1275 Aug 06 j 02:13	0°♃38'58	8.50139 AU	retrograde	-1269 Aug 22 j 08:17	27°♃16'31	
	-1275 Aug 14 j 12:09	30°♃		opposition	-1269 Oct 28 j 08:26	23°♃45'25	-2°-33'-16
direct	-1275 Oct 12 j 15:06	27°♃19'14		min. Earth dist.	-1269 Oct 28 j 02:52	23°♃46'35	7.91990 AU
	-1275 Dec 07 j 15:54	0°♃		direct	-1268 Jan 02 j 11:11	20°♃16'26	
evening set	-1274 Jan 20 j 15:04	4°♃48'43		evening set	-1268 Apr 15 j 19:32	28°♃36'43	
					-1268 Apr 26 j 10:24	0°♃	
conjunction	-1274 Feb 06 j 17:29	6°♃56'50	-1°-34'-22				
minimum elong	-1274 Feb 06 j 17:26	6°♃56'49	1°34'24	conjunction	-1268 May 03 j 21:24	0°♃59'06	-1°-52'-55
max. Earth dist.	-1274 Feb 06 j 10:13	6°♃54'32	10.43104 AU	minimum elong	-1268 May 03 j 21:28	0°♃59'08	1°52'56
morning rise	-1274 Feb 24 j 00:42	9°♃06'30		max. Earth dist.	-1268 May 04 j 06:07	1°♃01'59	9.91516 AU
	-1274 Apr 21 j 00:51	15°♃		morning rise	-1268 May 22 j 01:02	3°♃22'02	
retrograde	-1274 Jun 10 j 15:28	17°♃05'25		retrograde	-1268 Sep 05 j 04:08	11°♃50'04	
	-1274 Aug 01 j 11:44	15°♃		opposition	-1268 Nov 10 j 20:56	8°♃19'26	-2°-7'-9
opposition	-1274 Aug 19 j 06:27	13°♃38'15	-2°-11'-2	min. Earth dist.	-1268 Nov 10 j 13:29	8°♃20'59	7.92204 AU
min. Earth dist.	-1274 Aug 19 j 11:20	13°♃37'17	8.36154 AU	direct	-1267 Jan 16 j 06:15	4°♃49'41	
direct	-1274 Oct 25 j 12:58	10°♃15'51		evening set	-1267 May 01 j 06:39	13°♃11'28	
	-1273 Jan 09 j 09:56	15°♃			-1267 May 15 j 03:16	15°♃	
evening set	-1273 Feb 03 j 01:05	17°♃55'33					
				conjunction	-1267 May 19 j 11:04	15°♃34'11	-1°-28'-37
conjunction	-1273 Feb 20 j 07:03	20°♃06'36	-1°-55'-25	minimum elong	-1267 May 19 j 11:08	15°♃34'12	1°28'38
minimum elong	-1273 Feb 20 j 07:00	20°♃06'35	1°55'27	max. Earth dist.	-1267 May 19 j 22:00	15°♃37'47	9.93544 AU
max. Earth dist.	-1273 Feb 20 j 02:21	20°♃05'06	10.29349 AU	morning rise	-1267 Jun 06 j 15:45	17°♃56'58	
morning rise	-1273 Mar 09 j 17:50	22°♃19'15		retrograde	-1267 Sep 19 j 18:38	26°♃18'32	
	-1273 Jun 01 j 05:48	0°♃		opposition	-1267 Nov 25 j 06:59	22°♃48'47	-1°-33'-2

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Attention, astronomical year style is used: The year -1267 in astronomical counting style is the year 1268 BCE in historical counting style.

min. Earth dist.	-1267 Nov 24 j 21:59	22°♄50'39	7.95894 AU	retrograde	-1261 Dec 08 j 03:13	16°♃54'21	
direct	-1266 Jan 31 j 01:50	19°♄18'35			-1260 Jan 25 j 18:25	15°♃♂	
evening set	-1266 May 16 j 16:04	27°♄39'04		opposition	-1260 Feb 13 j 19:22	13°♃34'10	2°10'09
				min. Earth dist.	-1260 Feb 13 j 13:36	13°♃35'17	8.65373 AU
conjunction	-1266 Jun 03 j 21:29	0°♄01'07	0°-58'-56	direct	-1260 Apr 24 j 01:58	10°♃08'18	
minimum elong	-1266 Jun 03 j 21:32	0°♄01'08	0°58'57		-1260 Jul 14 j 08:46	15°♃	
	-1266 Jun 03 j 18:05	0°♄		evening set	-1260 Aug 07 j 16:10	17°♃♂45'03	
max. Earth dist.	-1266 Jun 04 j 09:54	0°♄05'10	9.98950 AU				
morning rise	-1266 Jun 22 j 01:38	2°♄22'44		conjunction	-1260 Aug 24 j 22:33	19°♃♂49'46	1°55'22
retrograde	-1266 Oct 04 j 02:30	10°♄35'20		minimum elong	-1260 Aug 24 j 22:30	19°♃♂49'45	1°55'24
opposition	-1266 Dec 09 j 13:05	7°♄06'50	0°-53'-32	max. Earth dist.	-1260 Aug 25 j 03:58	19°♃♂51'25	10.72076 AU
min. Earth dist.	-1266 Dec 09 j 03:21	7°♄08'52	8.02796 AU	morning rise	-1260 Sep 10 j 23:48	21°♃♂52'59	
direct	-1265 Feb 14 j 19:38	3°♄36'35		retrograde	-1260 Dec 19 j 07:11	29°♃♂03'45	
evening set	-1265 May 31 j 20:20	11°♄53'11		opposition	-1259 Feb 25 j 10:04	25°♃♂44'58	2°31'13
				min. Earth dist.	-1259 Feb 25 j 06:12	25°♃♂45'42	8.78629 AU
conjunction	-1265 Jun 19 j 00:56	14°♄13'35	0°-26'-3	direct	-1259 May 07 j 03:39	22°♃♂20'28	
minimum elong	-1265 Jun 19 j 00:57	14°♄13'35	0°26'04	evening set	-1259 Aug 20 j 05:56	29°♃♂48'31	
max. Earth dist.	-1265 Jun 19 j 13:49	14°♄17'45	10.07349 AU		-1259 Aug 21 j 21:01	0°♄♃	
morning rise	-1265 Jul 07 j 02:54	16°♄33'07					
retrograde	-1265 Oct 18 j 02:28	24°♄35'10		conjunction	-1259 Sep 06 j 07:09	1°♄♃50'15	2°09'55
opposition	-1265 Dec 23 j 13:38	21°♄08'12	0°-11'-38	minimum elong	-1259 Sep 06 j 07:07	1°♄♃50'14	2°09'56
min. Earth dist.	-1265 Dec 23 j 04:03	21°♄10'10	8.12453 AU	max. Earth dist.	-1259 Sep 06 j 10:25	1°♄♃51'13	10.84718 AU
direct	-1264 Feb 29 j 09:15	17°♄38'14		morning rise	-1259 Sep 23 j 03:31	3°♄♃50'33	
asc. node	-1264 Apr 06 j 13:41	18°♄50'42		retrograde	-1259 Dec 31 j 05:26	10°♄♃54'19	
evening set	-1264 Jun 14 j 16:54	25°♄48'53		opposition	-1258 Mar 09 j 19:14	7°♄♃36'40	2°45'12
				min. Earth dist.	-1258 Mar 09 j 18:02	7°♄♃36'54	8.90630 AU
conjunction	-1264 Jul 02 j 18:57	28°♄06'49	0°07'47	direct	-1258 May 19 j 21:18	4°♄♃13'32	
minimum elong	-1264 Jul 02 j 18:57	28°♄06'49	0°07'47	evening set	-1258 Sep 01 j 09:46	11°♄♃33'30	
behind sun begin	-1264 Jul 02 j 12:23	28°♄04'44					
behind sun end	-1264 Jul 03 j 01:31	28°♄08'54		conjunction	-1258 Sep 18 j 06:24	13°♄♃32'39	2°18'39
max. Earth dist.	-1264 Jul 03 j 07:09	28°♄10'43	10.18193 AU	minimum elong	-1258 Sep 18 j 06:22	13°♄♃32'39	2°18'39
	-1264 Jul 17 j 14:18	0°♄♃		max. Earth dist.	-1258 Sep 18 j 06:21	13°♄♃32'39	10.95851 AU
morning rise	-1264 Jul 20 j 17:21	0°♄♃23'34		morning rise	-1258 Oct 04 j 22:51	15°♄♃30'35	
retrograde	-1264 Oct 30 j 16:57	8°♄♃14'17		retrograde	-1257 Jan 11 j 21:25	22°♄♃28'49	
opposition	-1263 Jan 05 j 07:35	4°♄♃49'03	0°29'50	opposition	-1257 Mar 21 j 23:40	19°♄♃12'01	2°52'03
min. Earth dist.	-1263 Jan 04 j 22:53	4°♄♃50'49	8.24257 AU	min. Earth dist.	-1257 Mar 22 j 00:35	19°♄♃11'50	9.00871 AU
direct	-1263 Mar 14 j 18:42	1°♄♃19'43		direct	-1257 Jun 01 j 07:41	15°♄♃50'09	
evening set	-1263 Jun 29 j 03:45	9°♄♃22'55		evening set	-1257 Sep 13 j 04:46	23°♄♃02'53	
conjunction	-1263 Jul 17 j 01:50	11°♄♃37'47	0°40'18	conjunction	-1257 Sep 29 j 21:46	25°♄♃00'00	2°21'37
minimum elong	-1263 Jul 17 j 01:48	11°♄♃37'47	0°40'18	minimum elong	-1257 Sep 29 j 21:46	25°♄♃00'00	2°21'36
max. Earth dist.	-1263 Jul 17 j 12:22	11°♄♃41'07	10.30811 AU	max. Earth dist.	-1257 Sep 29 j 19:05	24°♄♃59'13	11.05008 AU
morning rise	-1263 Aug 03 j 19:35	13°♄♃51'16		morning rise	-1257 Oct 16 j 11:15	26°♄♃56'06	
retrograde	-1263 Nov 12 j 20:17	21°♄♃30'42			-1257 Nov 13 j 19:54	0°♄♃	
opposition	-1262 Jan 18 j 18:33	18°♄♃07'14	1°08'27	retrograde	-1256 Jan 23 j 11:28	3°♄♃50'24	
min. Earth dist.	-1262 Jan 18 j 10:58	18°♄♃08'45	8.37499 AU	opposition	-1256 Apr 02 j 00:15	0°♄♃34'08	2°52'01
direct	-1262 Mar 28 j 21:48	14°♄♃38'51		min. Earth dist.	-1256 Apr 02 j 02:47	0°♄♃33'40	9.08897 AU
evening set	-1262 Jul 13 j 03:32	22°♄♃33'36			-1256 Apr 09 j 17:39	30°♃♄♃	
				direct	-1256 Jun 12 j 13:51	27°♄♃13'26	
conjunction	-1262 Jul 30 j 20:37	24°♄♃45'04	1°09'53		-1256 Aug 12 j 09:14	0°♄♃	
minimum elong	-1262 Jul 30 j 20:34	24°♄♃45'03	1°09'54	evening set	-1256 Sep 23 j 16:49	4°♄♃20'04	
max. Earth dist.	-1262 Jul 31 j 05:05	24°♄♃47'42	10.44469 AU				
morning rise	-1262 Aug 17 j 08:59	26°♄♃55'02		conjunction	-1256 Oct 10 j 07:13	6°♄♃15'44	2°19'00
	-1262 Sep 13 j 02:41	0°♄♃		minimum elong	-1256 Oct 10 j 07:14	6°♄♃15'44	2°18'59
retrograde	-1262 Nov 25 j 15:09	4°♄♃23'51		max. Earth dist.	-1256 Oct 10 j 02:48	6°♄♃14'26	11.11782 AU
opposition	-1261 Jan 31 j 22:24	1°♄♃02'06	1°42'19	morning rise	-1256 Oct 26 j 18:33	8°♄♃10'33	
min. Earth dist.	-1261 Jan 31 j 15:33	1°♄♃03'27	8.51440 AU	retrograde	-1255 Feb 03 j 00:28	15°♄♃02'35	
	-1261 Feb 14 j 06:43	30°♃♄♃		opposition	-1255 Apr 13 j 22:10	11°♄♃46'34	2°45'26
direct	-1261 Apr 11 j 16:39	27°♄♃34'54		min. Earth dist.	-1255 Apr 14 j 02:32	11°♄♃45'46	9.14377 AU
	-1261 Jun 05 j 17:37	0°♄♃		direct	-1255 Jun 24 j 12:00	8°♄♃26'55	
evening set	-1261 Jul 26 j 15:39	5°♄♃20'41		evening set	-1255 Oct 04 j 23:40	15°♄♃28'45	
conjunction	-1261 Aug 13 j 03:23	7°♄♃28'42	1°35'12	conjunction	-1255 Oct 21 j 12:17	17°♄♃23'30	2°11'08
minimum elong	-1261 Aug 13 j 03:20	7°♄♃28'41	1°35'13	minimum elong	-1255 Oct 21 j 12:19	17°♄♃23'30	2°11'08
max. Earth dist.	-1261 Aug 13 j 10:16	7°♄♃30'49	10.58453 AU	max. Earth dist.	-1255 Oct 21 j 05:50	17°♄♃21'37	11.15940 AU
morning rise	-1261 Aug 30 j 10:06	9°♄♃35'10		morning rise	-1255 Nov 06 j 22:32	19°♄♃17'39	
	-1261 Oct 21 j 23:54	15°♄♃		retrograde	-1254 Feb 14 j 12:02	26°♄♃09'06	

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Attention, astronomical year style is used: The year -1254 in astronomical counting style is the year 1255 BCE in historical counting style.

opposition	-1254 Apr 25 j 19:01	22°♄53'03	2°32'45			-1248 Feb 11 j 15:15	0°♄	
min. Earth dist.	-1254 Apr 26 j 01:44	22°♄51'49	9.17178 AU	retrograde		-1248 Apr 25 j 11:03	4°♄04'10	
direct	-1254 Jul 06 j 06:23	19°♄34'11			opposition	-1248 Jul 05 j 08:32	0°♄41'54	0°-16'-56
evening set	-1254 Oct 16 j 02:58	26°♄32'34			min. Earth dist.	-1248 Jul 05 j 18:01	0°♄40'07	8.81024 AU
						-1248 Jul 14 j 16:36	30°♄	
conjunction	-1254 Nov 01 j 14:33	28°♄26'57	1°58'24	direct		-1248 Sep 12 j 15:37	27°♄22'35	
minimum elong	-1254 Nov 01 j 14:35	28°♄26'58	1°58'24			-1248 Nov 08 j 07:42	0°♄	
max. Earth dist.	-1254 Nov 01 j 05:33	28°♄24'20	11.17418 AU	evening set		-1248 Dec 21 j 02:59	4°♄31'58	
	-1254 Nov 14 j 23:29	0°♄						
morning rise	-1254 Nov 18 j 00:51	0°♄20'59		conjunction		-1247 Jan 06 j 22:19	6°♄33'46	0°-28'-7
retrograde	-1253 Feb 26 j 01:00	7°♄13'29		minimum elong		-1247 Jan 06 j 22:18	6°♄33'45	0°28'09
opposition	-1253 May 07 j 15:34	3°♄57'03	2°14'28	max. Earth dist.		-1247 Jan 06 j 12:16	6°♄30'43	10.74854 AU
min. Earth dist.	-1253 May 08 j 00:06	3°♄55'29	9.17278 AU	morning rise		-1247 Jan 23 j 21:08	8°♄36'42	
direct	-1253 Jul 17 j 23:30	0°♄38'43		retrograde		-1247 May 08 j 10:29	16°♄08'14	
evening set	-1253 Oct 27 j 04:36	7°♄35'03		opposition		-1247 Jul 18 j 02:23	12°♄44'21	0°-52'-39
				min. Earth dist.		-1247 Jul 18 j 10:13	12°♄42'51	8.68277 AU
conjunction	-1253 Nov 12 j 16:05	9°♄29'35	1°41'17	direct		-1247 Sep 24 j 19:12	9°♄24'12	
minimum elong	-1253 Nov 12 j 16:07	9°♄29'35	1°41'16	evening set		-1246 Jan 02 j 08:54	16°♄41'01	
max. Earth dist.	-1253 Nov 12 j 05:40	9°♄26'32	11.16216 AU					
morning rise	-1253 Nov 29 j 03:10	11°♄24'02		conjunction		-1246 Jan 19 j 06:53	18°♄45'17	0°-56'-38
	-1252 Jan 02 j 09:19	15°♄		minimum elong		-1246 Jan 19 j 06:51	18°♄45'17	0°56'39
retrograde	-1252 Mar 08 j 15:41	18°♄19'08		max. Earth dist.		-1246 Jan 18 j 22:03	18°♄42'34	10.61613 AU
opposition	-1252 May 18 j 12:40	15°♄01'58	1°51'11	morning rise		-1246 Feb 05 j 08:59	20°♄50'54	
	-1252 May 18 j 23:28	15°♄		retrograde		-1246 May 21 j 20:08	28°♄33'29	
min. Earth dist.	-1252 May 18 j 21:47	15°♄00'18	9.14706 AU	opposition		-1246 Jul 31 j 03:04	25°♄07'59	-1°-27'-3
direct	-1252 Jul 28 j 14:52	11°♄43'57		min. Earth dist.		-1246 Jul 31 j 09:18	25°♄06'47	8.54713 AU
	-1252 Oct 02 j 09:43	15°♄		direct		-1246 Oct 07 j 05:35	21°♄46'50	
evening set	-1252 Nov 06 j 06:16	18°♄39'42		evening set		-1245 Jan 15 j 01:32	29°♄12'25	
						-1245 Jan 21 j 11:54	0°♄	
conjunction	-1252 Nov 22 j 18:27	20°♄34'51	1°20'18					
minimum elong	-1252 Nov 22 j 18:29	20°♄34'52	1°20'17	conjunction		-1245 Feb 01 j 02:25	1°♄19'24	-1°-23'-14
max. Earth dist.	-1252 Nov 22 j 08:01	20°♄31'48	11.12390 AU	minimum elong		-1245 Feb 01 j 02:23	1°♄19'23	1°23'16
morning rise	-1252 Dec 09 j 06:50	22°♄30'11		max. Earth dist.		-1245 Jan 31 j 18:26	1°♄16'54	10.47832 AU
retrograde	-1251 Mar 20 j 13:01	29°♄29'31		morning rise		-1245 Feb 18 j 08:04	3°♄27'53	
opposition	-1251 May 30 j 11:57	26°♄11'23	1°23'33	retrograde		-1245 Jun 04 j 15:18	11°♄21'59	
min. Earth dist.	-1251 May 30 j 21:13	26°♄09'41	9.09565 AU	opposition		-1245 Aug 13 j 11:11	7°♄54'57	-1°-58'-20
direct	-1251 Aug 09 j 06:36	22°♄53'25		min. Earth dist.		-1245 Aug 13 j 16:12	7°♄53'57	8.40942 AU
evening set	-1251 Nov 17 j 09:50	29°♄50'04		direct		-1245 Oct 19 j 23:01	4°♄32'37	
	-1251 Nov 18 j 20:12	0°♄		evening set		-1244 Jan 28 j 05:55	12°♄08'03	
conjunction	-1251 Dec 03 j 23:06	1°♄46'19	0°56'04	conjunction		-1244 Feb 14 j 10:03	14°♄17'52	-1°-46'-24
minimum elong	-1251 Dec 03 j 23:08	1°♄46'20	0°56'03	minimum elong		-1244 Feb 14 j 10:01	14°♄17'51	1°46'26
max. Earth dist.	-1251 Dec 03 j 11:59	1°♄43'03	11.06079 AU	max. Earth dist.		-1244 Feb 14 j 04:02	14°♄15'58	10.34163 AU
morning rise	-1251 Dec 20 j 13:31	3°♄42'59				-1244 Feb 19 j 22:55	15°♄	
retrograde	-1250 Apr 01 j 13:10	10°♄48'08		morning rise		-1244 Mar 02 j 19:18	16°♄29'19	
opposition	-1250 Jun 11 j 14:25	7°♄28'49	0°52'21	retrograde		-1244 Jun 17 j 18:37	24°♄34'44	
min. Earth dist.	-1250 Jun 12 j 00:13	7°♄27'00	9.02048 AU	opposition		-1244 Aug 26 j 02:42	21°♄06'19	-2°-24'-31
direct	-1250 Aug 20 j 20:49	4°♄10'37		min. Earth dist.		-1244 Aug 26 j 06:03	21°♄05'38	8.27653 AU
evening set	-1250 Nov 28 j 17:20	11°♄09'52		direct		-1244 Nov 01 j 02:06	17°♄42'45	
				evening set		-1243 Feb 09 j 22:38	25°♄28'34	
conjunction	-1250 Dec 15 j 08:08	13°♄07'35	0°29'21					
minimum elong	-1250 Dec 15 j 08:09	13°♄07'35	0°29'19	conjunction		-1243 Feb 27 j 06:29	27°♄41'18	-2°-4'-32
max. Earth dist.	-1250 Dec 14 j 20:03	13°♄04'00	10.97513 AU	minimum elong		-1243 Feb 27 j 06:27	27°♄41'17	2°04'34
morning rise	-1249 Jan 01 j 01:10	15°♄06'00		max. Earth dist.		-1243 Feb 27 j 03:29	27°♄40'20	10.21335 AU
retrograde	-1249 Apr 13 j 19:34	22°♄18'32		morning rise		-1243 Mar 16 j 19:24	29°♄55'39	
opposition	-1249 Jun 23 j 20:53	18°♄57'49	0°18'29			-1243 Mar 17 j 09:13	0°♄	
min. Earth dist.	-1249 Jun 24 j 07:11	18°♄55'53	8.92423 AU	retrograde		-1243 Jul 02 j 05:24	8°♄11'24	
direct	-1249 Sep 01 j 16:27	15°♄39'09		opposition		-1243 Sep 09 j 01:17	4°♄41'49	-2°-43'-32
evening set	-1249 Dec 10 j 06:29	22°♄42'40		min. Earth dist.		-1243 Sep 09 j 02:18	4°♄41'37	8.15588 AU
				direct		-1243 Nov 14 j 15:10	1°♄17'00	
conjunction	-1249 Dec 26 j 23:20	24°♄42'15	0°00'58	evening set		-1242 Feb 24 j 03:31	9°♄13'05	
minimum elong	-1249 Dec 26 j 23:21	24°♄42'16	0°00'57					
behind sun begin	-1249 Dec 26 j 16:21	24°♄40'11		conjunction		-1242 Mar 13 j 15:30	11°♄28'40	-2°-16'-5
behind sun end	-1249 Dec 27 j 06:21	24°♄44'20		minimum elong		-1242 Mar 13 j 15:29	11°♄28'40	2°16'07
max. Earth dist.	-1249 Dec 26 j 11:49	24°♄38'48	10.86981 AU	max. Earth dist.		-1242 Mar 13 j 16:09	11°♄28'53	10.10099 AU
desc. node	-1248 Jan 08 j 01:37	26°♄09'12		morning rise		-1242 Mar 31 j 08:09	13°♄45'48	
morning rise	-1248 Jan 12 j 19:13	26°♄42'47		retrograde		-1242 Jul 16 j 23:53	22°♄09'55	

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Attention, astronomical year style is used: The year -1242 in astronomical counting style is the year 1243 BCE in historical counting style.

opposition	-1242 Sep 23 j 06:02	18° $\text{K}$ 39'30	-2°-53'-32	conjunction	-1236 Jun 11 j 15:09	8° $\text{II}$ 05'25	0°-41'-3
min. Earth dist.	-1242 Sep 23 j 04:14	18° $\text{K}$ 39'52	8.05465 AU	minimum elong	-1236 Jun 11 j 15:11	8° $\text{II}$ 05'26	0°41'03
direct	-1242 Nov 28 j 11:47	15° $\text{K}$ 13'29		max. Earth dist.	-1236 Jun 12 j 02:16	8° $\text{II}$ 09'02	10.04428 AU
evening set	-1241 Mar 10 j 19:47	23° $\text{K}$ 18'57		morning rise	-1236 Jun 29 j 18:25	10° $\text{II}$ 25'55	
				retrograde	-1236 Oct 11 j 06:19	18° $\text{II}$ 32'42	
conjunction	-1241 Mar 28 j 12:01	25° $\text{K}$ 37'09	-2°-19'-49	opposition	-1236 Dec 16 j 16:26	15° $\text{II}$ 05'37	0°-30'-32
minimum elong	-1241 Mar 28 j 12:02	25° $\text{K}$ 37'09	2°19'50	min. Earth dist.	-1236 Dec 16 j 07:41	15° $\text{II}$ 07'24	8.08874 AU
max. Earth dist.	-1241 Mar 28 j 16:09	25° $\text{K}$ 38'30	10.01162 AU	direct	-1235 Feb 22 j 05:41	11° $\text{II}$ 36'02	
morning rise	-1241 Apr 15 j 08:18	27° $\text{K}$ 56'42		evening set	-1235 Jun 08 j 10:49	19° $\text{II}$ 49'31	
	-1241 May 01 j 18:30	0° $\text{Y}$					
retrograde	-1241 Jul 31 j 22:57	6° $\text{Y}$ 26'21		conjunction	-1235 Jun 26 j 14:10	22° $\text{II}$ 08'35	0°-7'-26
opposition	-1241 Oct 07 j 15:28	2° $\text{Y}$ 55'30	-2°-53'-8	minimum elong	-1235 Jun 26 j 14:11	22° $\text{II}$ 08'35	0°07'26
min. Earth dist.	-1241 Oct 07 j 10:57	2° $\text{Y}$ 56'26	7.97940 AU	behind sun begin	-1235 Jun 26 j 07:31	22° $\text{II}$ 06'28	
	-1241 Nov 19 j 00:11	30° $\text{R}$ $\text{K}$		behind sun end	-1235 Jun 26 j 20:51	22° $\text{II}$ 10'43	
direct	-1241 Dec 12 j 16:12	29° $\text{K}$ 28'22		max. Earth dist.	-1235 Jun 27 j 00:57	22° $\text{II}$ 12'02	10.13941 AU
	-1240 Jan 05 j 05:34	0° $\text{Y}$		morning rise	-1235 Jul 14 j 14:30	24° $\text{II}$ 26'39	
evening set	-1240 Mar 24 j 21:16	7° $\text{Y}$ 41'36			-1235 Sep 03 j 03:33	0° $\text{S}$	
				asc. node	-1235 Sep 17 j 12:50	1° $\text{S}$ 05'49	
conjunction	-1240 Apr 11 j 17:44	10° $\text{Y}$ 01'58	-2°-14'-58	retrograde	-1235 Oct 25 j 01:08	2° $\text{S}$ 22'37	
minimum elong	-1240 Apr 11 j 17:46	10° $\text{Y}$ 01'59	2°14'59		-1235 Dec 17 j 11:39	30° $\text{R}$ $\text{II}$	
max. Earth dist.	-1240 Apr 12 j 00:51	10° $\text{Y}$ 04'19	9.95139 AU	opposition	-1235 Dec 30 j 13:37	28° $\text{II}$ 57'07	0°11'28
morning rise	-1240 Apr 29 j 17:25	12° $\text{Y}$ 23'25		min. Earth dist.	-1235 Dec 30 j 04:56	28° $\text{II}$ 58'53	8.19405 AU
retrograde	-1240 Aug 14 j 23:46	20° $\text{Y}$ 55'07		direct	-1234 Mar 08 j 18:08	25° $\text{II}$ 27'57	
opposition	-1240 Oct 21 j 03:57	17° $\text{Y}$ 24'14	-2°-41'-46		-1234 May 23 j 11:37	0° $\text{S}$	
min. Earth dist.	-1240 Oct 20 j 21:24	17° $\text{Y}$ 25'36	7.93538 AU	evening set	-1234 Jun 23 j 02:47	3° $\text{S}$ 34'52	
direct	-1240 Dec 26 j 04:02	13° $\text{Y}$ 56'07					
evening set	-1239 Apr 09 j 05:11	22° $\text{Y}$ 14'46		conjunction	-1234 Jul 11 j 02:55	5° $\text{S}$ 51'12	0°26'00
				minimum elong	-1234 Jul 11 j 02:54	5° $\text{S}$ 51'12	0°26'01
conjunction	-1239 Apr 27 j 05:30	24° $\text{Y}$ 36'40	-2°-1'-32	max. Earth dist.	-1234 Jul 11 j 13:11	5° $\text{S}$ 54'28	10.25410 AU
minimum elong	-1239 Apr 27 j 05:34	24° $\text{Y}$ 36'41	2°01'32	morning rise	-1234 Jul 28 j 22:55	8° $\text{S}$ 06'14	
max. Earth dist.	-1239 Apr 27 j 15:01	24° $\text{Y}$ 39'48	9.92451 AU	retrograde	-1234 Nov 07 j 10:05	15° $\text{S}$ 51'05	
morning rise	-1239 May 15 j 08:02	26° $\text{Y}$ 59'17		opposition	-1233 Jan 13 j 04:18	12° $\text{S}$ 27'11	0°51'41
	-1239 Jun 08 j 15:49	0° $\text{S}$		min. Earth dist.	-1233 Jan 12 j 20:10	12° $\text{S}$ 28'49	8.31625 AU
retrograde	-1239 Aug 29 j 22:30	5° $\text{S}$ 29'14		direct	-1233 Mar 23 j 00:06	8° $\text{S}$ 58'44	
opposition	-1239 Nov 04 j 17:12	1° $\text{S}$ 58'46	-2°-19'-55	evening set	-1233 Jul 07 j 08:06	16° $\text{S}$ 57'43	
min. Earth dist.	-1239 Nov 04 j 09:21	2° $\text{S}$ 00'24	7.92551 AU				
	-1239 Nov 29 j 23:58	30° $\text{R}$ $\text{Y}$		conjunction	-1233 Jul 25 j 03:44	19° $\text{S}$ 10'50	0°57'09
direct	-1238 Jan 09 j 21:38	28° $\text{Y}$ 29'51		minimum elong	-1233 Jul 25 j 03:42	19° $\text{S}$ 10'49	0°57'09
	-1238 Feb 19 j 08:55	0° $\text{S}$		max. Earth dist.	-1233 Jul 25 j 13:05	19° $\text{S}$ 13'46	10.38220 AU
evening set	-1238 Apr 24 j 16:28	6° $\text{S}$ 51'09		morning rise	-1233 Aug 11 j 18:30	21° $\text{S}$ 22'27	
				retrograde	-1233 Nov 20 j 10:42	28° $\text{S}$ 56'29	
conjunction	-1238 May 12 j 19:45	9° $\text{S}$ 13'43	-1°-40'-17	opposition	-1232 Jan 26 j 11:54	25° $\text{S}$ 34'11	1°27'55
minimum elong	-1238 May 12 j 19:49	9° $\text{S}$ 13'44	1°40'17	min. Earth dist.	-1232 Jan 26 j 05:17	25° $\text{S}$ 35'30	8.44877 AU
max. Earth dist.	-1238 May 13 j 06:41	9° $\text{S}$ 17'20	9.93245 AU	direct	-1232 Apr 04 j 21:57	22° $\text{S}$ 06'36	
morning rise	-1238 May 31 j 00:01	11° $\text{S}$ 36'35		evening set	-1232 Jul 20 j 02:08	29° $\text{S}$ 56'55	
	-1238 Jun 27 j 16:28	15° $\text{S}$			-1232 Jul 20 j 12:18	0° $\text{Q}$	
retrograde	-1238 Sep 13 j 15:53	20° $\text{S}$ 01'14					
opposition	-1238 Nov 19 j 04:51	16° $\text{S}$ 31'35	-1°-49'-7	conjunction	-1232 Aug 06 j 16:28	2° $\text{Q}$ 06'37	1°24'33
min. Earth dist.	-1238 Nov 18 j 20:27	16° $\text{S}$ 33'20	7.94993 AU	minimum elong	-1232 Aug 06 j 16:25	2° $\text{Q}$ 06'36	1°24'33
	-1238 Dec 08 j 04:12	15° $\text{R}$ $\text{S}$		max. Earth dist.	-1232 Aug 06 j 23:48	2° $\text{Q}$ 08'53	10.51689 AU
direct	-1237 Jan 24 j 17:30	13° $\text{S}$ 02'06		morning rise	-1232 Aug 24 j 01:42	4° $\text{Q}$ 14'45	
	-1237 Mar 12 j 14:17	15° $\text{S}$		retrograde	-1232 Dec 02 j 02:09	11° $\text{Q}$ 38'40	
evening set	-1237 May 10 j 03:17	21° $\text{S}$ 23'11		opposition	-1231 Feb 07 j 12:21	8° $\text{Q}$ 17'50	1°58'38
				min. Earth dist.	-1231 Feb 07 j 07:39	8° $\text{Q}$ 18'45	8.58462 AU
conjunction	-1237 May 28 j 08:12	23° $\text{S}$ 45'29	-1°-12'-46	direct	-1231 Apr 18 j 11:45	4° $\text{Q}$ 51'17	
minimum elong	-1237 May 28 j 08:15	23° $\text{S}$ 45'31	1°12'47	evening set	-1231 Aug 02 j 08:29	12° $\text{Q}$ 32'39	
max. Earth dist.	-1237 May 28 j 19:32	23° $\text{S}$ 49'12	9.97373 AU				
morning rise	-1237 Jun 15 j 12:46	26° $\text{S}$ 07'37		conjunction	-1231 Aug 19 j 17:15	14° $\text{Q}$ 38'58	1°47'08
	-1237 Jul 17 j 18:31	0° $\text{II}$		minimum elong	-1231 Aug 19 j 17:12	14° $\text{Q}$ 38'57	1°47'09
retrograde	-1237 Sep 28 j 02:53	4° $\text{II}$ 24'13		max. Earth dist.	-1231 Aug 19 j 21:46	14° $\text{Q}$ 40'21	10.65133 AU
opposition	-1237 Dec 03 j 13:09	0° $\text{II}$ 55'42	-1°-11'-42		-1231 Aug 22 j 14:10	15° $\text{Q}$	
min. Earth dist.	-1237 Dec 03 j 04:34	0° $\text{II}$ 57'29	8.00583 AU	morning rise	-1231 Sep 05 j 21:02	16° $\text{Q}$ 43'45	
	-1237 Dec 14 j 20:59	30° $\text{R}$ $\text{S}$		retrograde	-1231 Dec 14 j 07:32	23° $\text{Q}$ 58'40	
direct	-1236 Feb 08 j 13:01	27° $\text{S}$ 26'00		opposition	-1230 Feb 20 j 06:12	20° $\text{Q}$ 39'07	2°22'51
	-1236 Apr 02 j 23:41	0° $\text{II}$		min. Earth dist.	-1230 Feb 20 j 03:00	20° $\text{Q}$ 39'44	8.71706 AU
evening set	-1236 May 24 j 10:10	5° $\text{II}$ 44'18		direct	-1230 May 01 j 19:18	17° $\text{Q}$ 13'44	
				evening set	-1230 Aug 15 j 03:15	24° $\text{Q}$ 46'13	

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Attention, astronomical year style is used: The year -1230 in astronomical counting style is the year 1231 BCE in historical counting style.

conjunction	-1230 Sep 01 j 06:42	26°♄49'23	2°04'14	conjunction	-1224 Nov 07 j 04:23	4°♌51'39	1°49'26
minimum elong	-1230 Sep 01 j 06:39	26°♄49'22	2°04'16	minimum elong	-1224 Nov 07 j 04:26	4°♌51'40	1°49'26
max. Earth dist.	-1230 Sep 01 j 09:04	26°♄50'06	10.77923 AU	max. Earth dist.	-1224 Nov 06 j 20:57	4°♌49'29	11.16843 AU
morning rise	-1230 Sep 18 j 05:25	28°♄51'07		morning rise	-1224 Nov 23 j 14:54	6°♌45'50	
	-1230 Sep 28 j 02:42	0°♐		retrograde	-1223 Mar 03 j 21:14	13°♌39'15	
retrograde	-1230 Dec 26 j 08:39	5°♐58'24		opposition	-1223 May 13 j 15:35	10°♌22'16	2°02'08
opposition	-1229 Mar 04 j 18:01	2°♐39'54	2°40'02	min. Earth dist.	-1223 May 13 j 22:47	10°♌20'57	9.16274 AU
min. Earth dist.	-1229 Mar 04 j 15:50	2°♐40'19	8.84008 AU	direct	-1223 Jul 23 j 20:15	7°♌04'01	
	-1229 Apr 14 j 04:01	30°♌♄		evening set	-1223 Nov 01 j 17:59	13°♌59'31	
direct	-1229 May 14 j 17:48	29°♄15'45			-1223 Nov 10 j 11:41	15°♌	
	-1229 Jun 14 j 00:12	0°♐					
evening set	-1229 Aug 27 j 11:29	6°♐39'47		conjunction	-1223 Nov 18 j 05:40	15°♌54'15	1°30'05
				minimum elong	-1223 Nov 18 j 05:43	15°♌54'16	1°30'04
conjunction	-1229 Sep 13 j 10:16	8°♐40'13	2°15'35	max. Earth dist.	-1223 Nov 17 j 20:16	15°♌51'31	11.14854 AU
minimum elong	-1229 Sep 13 j 10:14	8°♐40'13	2°15'35	morning rise	-1223 Dec 04 j 17:25	17°♌49'03	
max. Earth dist.	-1229 Sep 13 j 11:20	8°♐40'32	10.89516 AU	retrograde	-1222 Mar 15 j 14:26	24°♌45'48	
morning rise	-1229 Sep 30 j 04:30	10°♐39'20		opposition	-1222 May 25 j 13:35	21°♌28'11	1°36'20
retrograde	-1228 Jan 07 j 04:15	17°♐40'22		min. Earth dist.	-1222 May 25 j 22:09	21°♌26'36	9.12961 AU
opposition	-1228 Mar 16 j 00:28	14°♐22'43	2°50'03	direct	-1222 Aug 04 j 11:21	18°♌10'17	
min. Earth dist.	-1228 Mar 15 j 23:59	14°♐22'48	8.94865 AU	evening set	-1222 Nov 12 j 20:06	25°♌05'52	
direct	-1228 May 26 j 06:54	10°♐59'47					
evening set	-1228 Sep 07 j 10:26	18°♐16'09		conjunction	-1222 Nov 29 j 08:41	27°♌01'25	1°07'14
				minimum elong	-1222 Nov 29 j 08:43	27°♌01'26	1°07'12
conjunction	-1228 Sep 24 j 05:15	20°♐14'19	2°21'06	max. Earth dist.	-1222 Nov 28 j 22:44	26°♌58'30	11.10335 AU
minimum elong	-1228 Sep 24 j 05:14	20°♐14'19	2°21'05	morning rise	-1222 Dec 15 j 22:12	28°♌57'18	
max. Earth dist.	-1228 Sep 24 j 04:30	20°♐14'06	10.99454 AU		-1222 Dec 25 j 03:50	0°♌	
morning rise	-1228 Oct 10 j 19:56	22°♐11'20		retrograde	-1221 Mar 27 j 11:53	5°♌59'00	
retrograde	-1227 Jan 17 j 19:16	29°♐07'39		opposition	-1221 Jun 06 j 14:00	2°♌40'28	1°06'38
opposition	-1227 Mar 28 j 02:49	25°♐50'38	2°53'03	min. Earth dist.	-1221 Jun 06 j 22:39	2°♌38'53	9.07172 AU
min. Earth dist.	-1227 Mar 28 j 04:40	25°♐50'17	9.03866 AU		-1221 Jul 19 j 01:22	30°♌♌	
direct	-1227 Jun 07 j 14:09	22°♐28'52		direct	-1221 Aug 16 j 02:19	29°♌22'43	
evening set	-1227 Sep 19 j 01:37	29°♐38'34			-1221 Sep 12 j 15:55	0°♌	
	-1227 Sep 22 j 04:01	0°♌		evening set	-1221 Nov 24 j 01:15	6°♌19'58	
conjunction	-1227 Oct 05 j 17:08	1°♌34'57	2°20'55	conjunction	-1221 Dec 10 j 15:20	8°♌16'46	0°41'32
minimum elong	-1227 Oct 05 j 17:08	1°♌34'58	2°20'54	minimum elong	-1221 Dec 10 j 15:21	8°♌16'46	0°41'30
max. Earth dist.	-1227 Oct 05 j 13:42	1°♌33'57	11.07384 AU	max. Earth dist.	-1221 Dec 10 j 05:43	8°♌13'56	11.03412 AU
morning rise	-1227 Oct 22 j 05:23	3°♌30'25		morning rise	-1221 Dec 27 j 06:58	10°♌14'07	
retrograde	-1226 Jan 29 j 07:16	10°♌23'36		retrograde	-1220 Apr 07 j 16:33	17°♌22'19	
opposition	-1226 Apr 09 j 02:01	7°♌06'59	2°49'18	opposition	-1220 Jun 17 j 17:53	14°♌02'41	0°33'53
min. Earth dist.	-1226 Apr 09 j 05:52	7°♌06'17	9.10700 AU	min. Earth dist.	-1220 Jun 18 j 02:07	14°♌01'10	8.99090 AU
direct	-1226 Jun 19 j 15:35	3°♌46'19		direct	-1220 Aug 26 j 19:54	10°♌44'48	
evening set	-1226 Sep 30 j 10:33	10°♌50'28		evening set	-1220 Dec 04 j 11:16	17°♌45'21	
conjunction	-1226 Oct 16 j 23:49	12°♌45'39	2°15'20	conjunction	-1220 Dec 21 j 03:07	19°♌43'47	0°13'49
minimum elong	-1226 Oct 16 j 23:51	12°♌45'39	2°15'19	minimum elong	-1220 Dec 21 j 03:07	19°♌43'47	0°13'48
max. Earth dist.	-1226 Oct 16 j 18:16	12°♌44'02	11.13046 AU	behind sun begin	-1220 Dec 20 j 23:18	19°♌42'40	
morning rise	-1226 Nov 02 j 10:40	14°♌40'09		behind sun end	-1220 Dec 21 j 06:56	19°♌44'55	
retrograde	-1225 Feb 09 j 18:13	21°♌31'49		max. Earth dist.	-1220 Dec 20 j 17:19	19°♌40'52	10.94317 AU
opposition	-1225 Apr 20 j 23:01	18°♌15'18	2°39'13	morning rise	-1219 Jan 06 j 21:22	21°♌43'01	
min. Earth dist.	-1225 Apr 21 j 03:45	18°♌14'26	9.15136 AU	retrograde	-1219 Apr 20 j 04:23	28°♌59'11	
direct	-1225 Jul 01 j 13:00	14°♌55'37		desc. node	-1219 Jun 20 j 05:34	26°♌22'11	
evening set	-1225 Oct 11 j 14:54	21°♌55'28		opposition	-1219 Jun 30 j 02:43	25°♌38'16	0°00'-55
				min. Earth dist.	-1219 Jun 30 j 10:52	25°♌36'44	8.88993 AU
conjunction	-1225 Oct 28 j 03:00	23°♌50'00	2°04'41	direct	-1219 Sep 07 j 15:00	22°♌19'58	
minimum elong	-1225 Oct 28 j 03:03	23°♌50'01	2°04'41	evening set	-1219 Dec 16 j 03:47	29°♌25'24	
max. Earth dist.	-1225 Oct 27 j 20:48	23°♌48'12	11.16239 AU		-1219 Dec 21 j 00:22	0°♌	
morning rise	-1225 Nov 13 j 13:14	25°♌44'04					
	-1225 Dec 25 j 10:12	0°♌		conjunction	-1218 Jan 01 j 21:40	1°♌25'48	0°-15'-3
retrograde	-1224 Feb 21 j 08:02	2°♌35'49		minimum elong	-1218 Jan 01 j 21:40	1°♌25'48	0°15'05
	-1224 Apr 22 j 10:31	30°♌♌		behind sun begin	-1218 Jan 01 j 19:00	1°♌25'00	
opposition	-1224 May 01 j 19:07	29°♌19'11	2°23'19	behind sun end	-1218 Jan 02 j 00:20	1°♌26'36	
min. Earth dist.	-1224 May 02 j 00:47	29°♌18'09	9.17013 AU	max. Earth dist.	-1218 Jan 01 j 11:19	1°♌22'41	10.83358 AU
direct	-1224 Jul 12 j 06:38	26°♌00'20		morning rise	-1218 Jan 18 j 18:59	3°♌27'16	
	-1224 Sep 24 j 03:07	0°♌		retrograde	-1218 May 02 j 22:06	10°♌52'45	
evening set	-1224 Oct 21 j 16:48	2°♌57'15		opposition	-1218 Jul 12 j 17:06	7°♌30'22	0°-36'-33
				min. Earth dist.	-1218 Jul 13 j 01:28	7°♌28'47	8.77221 AU

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Attention, astronomical year style is used: The year -1218 in astronomical counting style is the year 1219 BCE in historical counting style.

direct	-1218 Sep 19 j 15:23	4°♁11'21	opposition	-1212 Sep 30 j 06:17	26°♁26'07	-2°-54'-41	
evening set	-1218 Dec 28 j 04:38	11°♁23'19	min. Earth dist.	-1212 Sep 30 j 04:59	26°♁26'23	8.02314 AU	
			direct	-1212 Dec 05 j 09:29	22°♁59'29		
conjunction	-1217 Jan 14 j 01:03	13°♁26'01	0°-43'-52	-1211 Mar 09 j 04:18	0°♁		
minimum elong	-1217 Jan 14 j 01:01	13°♁26'01	0°43'53	evening set	-1211 Mar 18 j 03:24	1°♁08'19	
max. Earth dist.	-1217 Jan 13 j 15:08	13°♁23'00	10.70890 AU				
morning rise	-1217 Jan 31 j 01:33	15°♁29'59		conjunction	-1211 Apr 04 j 21:39	3°♁27'29	-2°-18'-24
retrograde	-1217 May 16 j 01:39	23°♁05'55		minimum elong	-1211 Apr 04 j 21:40	3°♁27'29	2°18'26
opposition	-1217 Jul 25 j 13:37	19°♁41'57	-1°-11'-37	max. Earth dist.	-1211 Apr 05 j 00:48	3°♁28'31	9.98474 AU
min. Earth dist.	-1217 Jul 25 j 21:29	19°♁40'27	8.64165 AU	morning rise	-1211 Apr 22 j 19:48	5°♁47'55	
direct	-1217 Oct 01 j 23:25	16°♁22'00		retrograde	-1211 Aug 08 j 05:51	14°♁18'14	
evening set	-1216 Jan 09 j 15:18	23°♁42'02		opposition	-1211 Oct 14 j 16:35	10°♁47'12	-2°-48'-35
				min. Earth dist.	-1211 Oct 14 j 13:02	10°♁47'57	7.95762 AU
conjunction	-1216 Jan 26 j 14:38	25°♁47'19	-1°-11'-25	direct	-1211 Dec 19 j 18:25	7°♁19'19	
minimum elong	-1216 Jan 26 j 14:35	25°♁47'19	1°11'26	evening set	-1210 Apr 02 j 07:35	15°♁34'59	
max. Earth dist.	-1216 Jan 26 j 06:15	25°♁44'44	10.57348 AU				
morning rise	-1216 Feb 12 j 18:21	27°♁54'02		conjunction	-1210 Apr 20 j 06:06	17°♁56'06	-2°-9'-3
	-1216 Mar 01 j 15:02	0°♁		minimum elong	-1210 Apr 20 j 06:09	17°♁56'07	2°09'04
retrograde	-1216 May 28 j 15:15	5°♁41'17		max. Earth dist.	-1210 Apr 20 j 12:28	17°♁58'13	9.93518 AU
opposition	-1216 Aug 06 j 17:17	2°♁15'42	-1°-44'-25	morning rise	-1210 May 08 j 07:25	20°♁18'09	
min. Earth dist.	-1216 Aug 06 j 23:31	2°♁14'30	8.50342 AU	retrograde	-1210 Aug 23 j 04:02	28°♁48'53	
	-1216 Sep 07 j 16:19	30°♁		opposition	-1210 Oct 29 j 04:54	25°♁17'51	-2°-31'-42
direct	-1216 Oct 13 j 12:43	28°♁54'39		min. Earth dist.	-1210 Oct 28 j 23:03	25°♁19'04	7.92469 AU
	-1216 Nov 17 j 13:46	0°♁		direct	-1209 Jan 03 j 09:02	21°♁48'54	
evening set	-1215 Jan 21 j 13:02	6°♁24'02			-1209 Apr 16 j 13:16	0°♁	
				evening set	-1209 Apr 17 j 16:47	0°♁08'53	
conjunction	-1215 Feb 07 j 15:32	8°♁32'06	-1°-36'-16				
minimum elong	-1215 Feb 07 j 15:29	8°♁32'05	1°36'17	conjunction	-1209 May 05 j 18:50	2°♁31'14	-1°-51'-26
max. Earth dist.	-1215 Feb 07 j 08:53	8°♁30'01	10.43356 AU	minimum elong	-1209 May 05 j 18:54	2°♁31'15	1°51'26
morning rise	-1215 Feb 24 j 22:42	10°♁41'44		max. Earth dist.	-1209 May 06 j 03:58	2°♁34'15	9.91985 AU
	-1215 Apr 04 j 02:33	15°♁		morning rise	-1209 May 23 j 22:23	4°♁54'04	
retrograde	-1215 Jun 11 j 14:03	18°♁40'33		retrograde	-1209 Sep 06 j 23:34	13°♁21'35	
opposition	-1215 Aug 20 j 04:24	15°♁13'24	-2°-13'-6	opposition	-1209 Nov 12 j 17:00	9°♁51'01	-2°-5'00
min. Earth dist.	-1215 Aug 20 j 08:33	15°♁12'35	8.36465 AU	min. Earth dist.	-1209 Nov 12 j 09:17	9°♁52'38	7.92652 AU
	-1215 Aug 23 j 00:28	15°♁		direct	-1208 Jan 18 j 02:18	6°♁21'18	
direct	-1215 Oct 26 j 10:19	11°♁51'04		evening set	-1208 May 02 j 03:37	14°♁42'47	
	-1215 Dec 26 j 01:08	15°♁			-1208 May 04 j 08:55	15°♁	
evening set	-1214 Feb 03 j 23:05	19°♁30'39					
				conjunction	-1208 May 20 j 08:07	17°♁05'27	-1°-26'-43
conjunction	-1214 Feb 21 j 05:01	21°♁41'39	-1°-56'-51	minimum elong	-1208 May 20 j 08:11	17°♁05'28	1°26'44
minimum elong	-1214 Feb 21 j 04:58	21°♁41'38	1°56'53	max. Earth dist.	-1208 May 20 j 19:17	17°♁09'07	9.93974 AU
max. Earth dist.	-1214 Feb 21 j 00:02	21°♁40'04	10.29697 AU	morning rise	-1208 Jun 07 j 12:41	19°♁28'08	
morning rise	-1214 Mar 10 j 15:52	23°♁54'15		retrograde	-1208 Sep 20 j 15:02	27°♁49'13	
	-1214 May 06 j 23:20	0°♁		opposition	-1208 Nov 26 j 02:51	24°♁19'31	-1°-30'-26
retrograde	-1214 Jun 25 j 21:14	2°♁04'01		min. Earth dist.	-1208 Nov 25 j 18:01	24°♁21'22	7.96295 AU
	-1214 Aug 15 j 19:18	30°♁		direct	-1207 Jan 31 j 20:57	20°♁49'20	
opposition	-1214 Sep 02 j 22:42	28°♁35'27	-2°-35'-37	evening set	-1207 May 17 j 12:41	29°♁09'32	
min. Earth dist.	-1214 Sep 03 j 01:05	28°♁34'58	8.23327 AU		-1207 May 24 j 01:18	0°♁	
direct	-1214 Nov 08 j 16:57	25°♁11'41					
	-1213 Jan 23 j 16:46	0°♁		conjunction	-1207 Jun 04 j 18:04	1°♁31'31	0°-56'-44
evening set	-1213 Feb 17 j 21:25	3°♁01'44		minimum elong	-1207 Jun 04 j 18:07	1°♁31'32	0°56'45
				max. Earth dist.	-1207 Jun 05 j 06:12	1°♁35'29	9.99322 AU
conjunction	-1213 Mar 07 j 07:08	5°♁15'40	-2°-11'-36	morning rise	-1207 Jun 22 j 22:09	3°♁53'03	
minimum elong	-1213 Mar 07 j 07:06	5°♁15'39	2°11'38	retrograde	-1207 Oct 04 j 23:16	12°♁05'12	
max. Earth dist.	-1213 Mar 07 j 04:11	5°♁14'43	10.17168 AU	opposition	-1207 Dec 10 j 08:44	8°♁36'46	0°-50'-41
morning rise	-1213 Mar 24 j 21:50	7°♁31'10		min. Earth dist.	-1207 Dec 09 j 23:47	8°♁38'37	8.03129 AU
retrograde	-1213 Jul 10 j 12:03	15°♁50'23		direct	-1206 Feb 15 j 14:55	5°♁06'28	
opposition	-1213 Sep 16 j 23:44	12°♁20'39	-2°-50'-1	evening set	-1206 Jun 01 j 16:49	13°♁22'53	
min. Earth dist.	-1213 Sep 17 j 00:22	12°♁20'32	8.11704 AU				
direct	-1213 Nov 22 j 08:25	8°♁55'26		conjunction	-1206 Jun 19 j 21:15	15°♁43'12	0°-23'-43
evening set	-1212 Mar 03 j 07:15	16°♁55'29		minimum elong	-1206 Jun 19 j 21:17	15°♁43'12	0°23'43
				max. Earth dist.	-1206 Jun 20 j 09:08	15°♁47'02	10.07639 AU
conjunction	-1212 Mar 20 j 21:06	19°♁12'10	-2°-19'-8	morning rise	-1206 Jul 07 j 23:10	18°♁02'41	
minimum elong	-1212 Mar 20 j 21:06	19°♁12'10	2°19'09	retrograde	-1206 Oct 18 j 22:16	26°♁04'19	
max. Earth dist.	-1212 Mar 20 j 20:55	19°♁12'07	10.06533 AU	opposition	-1206 Dec 24 j 09:05	22°♁37'25	0°-8'-42
morning rise	-1212 Apr 07 j 15:37	21°♁30'21		min. Earth dist.	-1206 Dec 24 j 00:29	22°♁39'11	8.12697 AU
retrograde	-1212 Jul 24 j 07:39	29°♁56'42		direct	-1205 Mar 02 j 05:59	19°♁07'24	



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Attention, astronomical year style is used: The year -1205 in astronomical counting style is the year 1206 BCE in historical counting style.

asc. node	-1205 Mar 12 j 22:28	19° $\Pi$ 13'36		max. Earth dist.	-1200 Sep 07 j 04:50	3° $\Upsilon$ 19'38	10.84350 AU
evening set	-1205 Jun 16 j 13:09	27° $\Pi$ 17'56		morning rise	-1200 Sep 23 j 22:47	5° $\Upsilon$ 19'16	
conjunction	-1205 Jul 04 j 14:59	29° $\Pi$ 35'47	0°10'06	retrograde	-1199 Jan 01 j 00:03	12° $\Upsilon$ 23'18	
minimum elong	-1205 Jul 04 j 14:58	29° $\Pi$ 35'46	0°10'07	opposition	-1199 Mar 10 j 15:01	9° $\Upsilon$ 05'38	2°46'01
behind sun begin	-1205 Jul 04 j 09:10	29° $\Pi$ 33'56		min. Earth dist.	-1199 Mar 10 j 13:59	9° $\Upsilon$ 05'50	8.90234 AU
behind sun end	-1205 Jul 04 j 20:47	29° $\Pi$ 37'37		direct	-1199 May 20 j 16:53	5° $\Upsilon$ 42'30	
max. Earth dist.	-1205 Jul 05 j 01:52	29° $\Pi$ 39'15	10.18382 AU	evening set	-1199 Sep 02 j 05:22	13° $\Upsilon$ 02'44	
	-1205 Jul 07 j 18:43	0° $\text{♄}$		conjunction	-1199 Sep 19 j 01:53	15° $\Upsilon$ 01'55	2°19'04
morning rise	-1205 Jul 22 j 13:18	1° $\text{♄}$ 52'28		minimum elong	-1199 Sep 19 j 01:51	15° $\Upsilon$ 01'55	2°19'04
retrograde	-1205 Nov 01 j 10:48	9° $\text{♄}$ 42'55		max. Earth dist.	-1199 Sep 19 j 01:35	15° $\Upsilon$ 01'50	10.95427 AU
opposition	-1204 Jan 07 j 02:58	6° $\text{♄}$ 17'42	0°32'41	morning rise	-1199 Oct 05 j 18:18	16° $\Upsilon$ 59'54	
min. Earth dist.	-1204 Jan 06 j 18:45	6° $\text{♄}$ 19'22	8.24396 AU	retrograde	-1198 Jan 12 j 17:26	23° $\Upsilon$ 58'30	
direct	-1204 Mar 15 j 15:44	2° $\text{♄}$ 48'19		opposition	-1198 Mar 22 j 19:42	20° $\Upsilon$ 41'39	2°52'18
evening set	-1204 Jun 29 j 23:37	10° $\text{♄}$ 51'27		min. Earth dist.	-1198 Mar 22 j 19:57	20° $\Upsilon$ 41'37	9.00429 AU
conjunction	-1204 Jul 17 j 21:30	13° $\text{♄}$ 06'14	0°42'31	direct	-1198 Jun 02 j 05:11	17° $\Upsilon$ 19'49	
minimum elong	-1204 Jul 17 j 21:28	13° $\text{♄}$ 06'14	0°42'32	evening set	-1198 Sep 14 j 00:27	24° $\Upsilon$ 32'48	
max. Earth dist.	-1204 Jul 18 j 07:08	13° $\text{♄}$ 09'17	10.30887 AU	conjunction	-1198 Sep 30 j 17:28	26° $\Upsilon$ 29'59	2°21'33
morning rise	-1204 Aug 04 j 15:09	15° $\text{♄}$ 19'39		minimum elong	-1198 Sep 30 j 17:28	26° $\Upsilon$ 29'59	2°21'32
retrograde	-1204 Nov 13 j 15:09	22° $\text{♄}$ 58'59		max. Earth dist.	-1198 Sep 30 j 15:42	26° $\Upsilon$ 29'27	11.04566 AU
opposition	-1203 Jan 19 j 13:50	19° $\text{♄}$ 35'30	1°11'04	morning rise	-1198 Oct 17 j 06:49	28° $\Upsilon$ 26'07	
min. Earth dist.	-1203 Jan 19 j 05:59	19° $\text{♄}$ 37'04	8.37520 AU		-1198 Oct 31 j 04:57	0° $\text{♄}$	
direct	-1203 Mar 29 j 17:42	16° $\text{♄}$ 07'04		retrograde	-1197 Jan 24 j 08:43	5° $\text{♄}$ 20'48	
evening set	-1203 Jul 13 j 23:13	24° $\text{♄}$ 01'49		opposition	-1197 Apr 03 j 20:42	2° $\text{♄}$ 04'30	2°51'41
conjunction	-1203 Jul 31 j 16:13	26° $\text{♄}$ 13'15	1°11'53	min. Earth dist.	-1197 Apr 03 j 22:40	2° $\text{♄}$ 04'08	9.08464 AU
minimum elong	-1203 Jul 31 j 16:10	26° $\text{♄}$ 13'14	1°11'54		-1197 May 04 j 03:58	30° $\text{♄}$	
max. Earth dist.	-1203 Aug 01 j 00:37	26° $\text{♄}$ 15'52	10.44427 AU	direct	-1197 Jun 14 j 08:51	28° $\Upsilon$ 43'51	
morning rise	-1203 Aug 18 j 04:21	28° $\text{♄}$ 23'09			-1197 Jul 24 j 18:06	0° $\text{♄}$	
	-1203 Aug 31 j 17:36	0° $\text{♄}$		evening set	-1197 Sep 25 j 12:40	5° $\text{♄}$ 50'39	
retrograde	-1203 Nov 26 j 10:53	5° $\text{♄}$ 51'58		conjunction	-1197 Oct 12 j 03:04	7° $\text{♄}$ 46'22	2°18'29
opposition	-1202 Feb 01 j 17:36	2° $\text{♄}$ 30'11	1°44'36	minimum elong	-1197 Oct 12 j 03:05	7° $\text{♄}$ 46'22	2°18'28
min. Earth dist.	-1202 Feb 01 j 10:31	2° $\text{♄}$ 31'34	8.51335 AU	max. Earth dist.	-1197 Oct 11 j 23:18	7° $\text{♄}$ 45'16	11.11376 AU
	-1202 Mar 09 j 10:25	30° $\text{♄}$		morning rise	-1197 Oct 28 j 14:22	9° $\text{♄}$ 41'15	
direct	-1202 Apr 12 j 11:39	29° $\text{♄}$ 02'57		retrograde	-1196 Feb 04 j 20:35	16° $\text{♄}$ 33'36	
	-1202 May 16 j 08:06	0° $\text{♄}$		opposition	-1196 Apr 14 j 18:57	13° $\text{♄}$ 17'34	2°44'32
evening set	-1202 Jul 27 j 11:17	6° $\text{♄}$ 48'49		min. Earth dist.	-1196 Apr 14 j 23:36	13° $\text{♄}$ 16'43	9.13997 AU
conjunction	-1202 Aug 13 j 22:54	8° $\text{♄}$ 56'48	1°36'53	direct	-1196 Jun 25 j 07:45	9° $\text{♄}$ 57'55	
minimum elong	-1202 Aug 13 j 22:51	8° $\text{♄}$ 56'47	1°36'54	evening set	-1196 Oct 05 j 19:43	16° $\text{♄}$ 59'55	
max. Earth dist.	-1202 Aug 14 j 06:16	8° $\text{♄}$ 59'04	10.58286 AU	conjunction	-1196 Oct 22 j 08:14	18° $\text{♄}$ 54'43	2°10'09
morning rise	-1202 Aug 31 j 05:19	11° $\text{♄}$ 03'14		minimum elong	-1196 Oct 22 j 08:16	18° $\text{♄}$ 54'43	2°10'09
	-1202 Oct 05 j 22:51	15° $\text{♄}$		max. Earth dist.	-1196 Oct 22 j 01:20	18° $\text{♄}$ 52'42	11.15584 AU
retrograde	-1202 Dec 08 j 22:29	18° $\text{♄}$ 22'32		morning rise	-1196 Nov 07 j 18:39	20° $\text{♄}$ 48'56	
opposition	-1201 Feb 14 j 14:49	15° $\text{♄}$ 02'20	2°12'01	retrograde	-1195 Feb 15 j 08:59	27° $\text{♄}$ 40'40	
min. Earth dist.	-1201 Feb 14 j 09:26	15° $\text{♄}$ 03'23	8.65148 AU	opposition	-1195 Apr 26 j 15:58	24° $\text{♄}$ 24'36	2°31'18
	-1201 Feb 15 j 02:51	15° $\text{♄}$		min. Earth dist.	-1195 Apr 26 j 22:53	24° $\text{♄}$ 23'20	9.16838 AU
direct	-1201 Apr 25 j 21:30	11° $\text{♄}$ 36'26		direct	-1195 Jul 07 j 03:31	21° $\text{♄}$ 05'45	
	-1201 Jul 01 j 11:56	15° $\text{♄}$		evening set	-1195 Oct 16 j 23:07	28° $\text{♄}$ 04'16	
evening set	-1201 Aug 09 j 11:43	19° $\text{♄}$ 13'20		conjunction	-1195 Nov 02 j 10:44	29° $\text{♄}$ 58'42	1°57'00
conjunction	-1201 Aug 26 j 17:53	21° $\text{♄}$ 18'03	1°56'40	minimum elong	-1195 Nov 02 j 10:46	29° $\text{♄}$ 58'43	1°57'00
minimum elong	-1201 Aug 26 j 17:50	21° $\text{♄}$ 18'02	1°56'42	max. Earth dist.	-1195 Nov 02 j 01:56	29° $\text{♄}$ 56'08	11.17089 AU
max. Earth dist.	-1201 Aug 26 j 23:13	21° $\text{♄}$ 19'40	10.71794 AU		-1195 Nov 02 j 15:11	0° $\text{♄}$	
morning rise	-1201 Sep 12 j 18:54	23° $\text{♄}$ 21'14		morning rise	-1195 Nov 18 j 21:09	1° $\text{♄}$ 52'50	
	-1201 Nov 26 j 07:37	0° $\text{♄}$		retrograde	-1194 Feb 26 j 21:12	8° $\text{♄}$ 45'37	
retrograde	-1201 Dec 21 j 03:20	0° $\text{♄}$ 32'14		opposition	-1194 May 08 j 12:44	5° $\text{♄}$ 29'09	2°12'31
	-1200 Jan 15 j 04:28	30° $\text{♄}$		min. Earth dist.	-1194 May 08 j 20:34	5° $\text{♄}$ 27'43	9.16953 AU
opposition	-1200 Feb 27 j 05:45	27° $\text{♄}$ 13'26	2°32'35	direct	-1194 Jul 18 j 20:12	2° $\text{♄}$ 10'52	
min. Earth dist.	-1200 Feb 27 j 02:39	27° $\text{♄}$ 14'02	8.78307 AU	evening set	-1194 Oct 28 j 00:52	9° $\text{♄}$ 07'19	
direct	-1200 May 07 j 22:25	23° $\text{♄}$ 48'55		conjunction	-1194 Nov 13 j 12:32	11° $\text{♄}$ 01'55	1°39'29
	-1200 Aug 09 j 21:24	0° $\text{♄}$		minimum elong	-1194 Nov 13 j 12:35	11° $\text{♄}$ 01'56	1°39'29
evening set	-1200 Aug 21 j 01:29	1° $\text{♄}$ 17'11		max. Earth dist.	-1194 Nov 13 j 03:13	10° $\text{♄}$ 59'12	11.15899 AU
conjunction	-1200 Sep 07 j 02:28	3° $\text{♄}$ 18'55	2°10'47	morning rise	-1194 Nov 29 j 23:37	12° $\text{♄}$ 56'26	
minimum elong	-1200 Sep 07 j 02:25	3° $\text{♄}$ 18'55	2°10'48		-1194 Dec 18 j 16:11	15° $\text{♄}$	

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Attention, astronomical year style is used: The year -1193 in astronomical counting style is the year 1194 BCE in historical counting style.

retrograde	-1193 Mar 10 j 14:37	19°♄51'52		conjunction	-1187 Jan 20 j 04:50	20°♃20'25	0°-59'00
opposition	-1193 May 20 j 10:11	16°♄34'42	1°48'48	minimum elong	-1187 Jan 20 j 04:48	20°♃20'24	0°59'01
min. Earth dist.	-1193 May 20 j 18:29	16°♄33'11	9.14391 AU	max. Earth dist.	-1187 Jan 19 j 19:28	20°♃17'32	10.61502 AU
	-1193 Jun 11 j 22:23	15°♄		morning rise	-1187 Feb 06 j 07:07	22°♃26'04	
direct	-1193 Jul 30 j 12:29	13°♄16'44			-1187 May 09 j 13:39	0°♁	
	-1193 Sep 15 j 08:01	15°♄		retrograde	-1187 May 22 j 19:04	0°♁08'44	
evening set	-1193 Nov 08 j 02:47	20°♄12'34			-1187 Jun 05 j 00:07	30°♄	
				opposition	-1187 Aug 01 j 01:33	26°♃43'13	-1°-29'-48
conjunction	-1193 Nov 24 j 15:04	22°♄07'49	1°18'11	min. Earth dist.	-1187 Aug 01 j 08:06	26°♃41'56	8.54642 AU
minimum elong	-1193 Nov 24 j 15:07	22°♄07'49	1°18'10	direct	-1187 Oct 08 j 02:45	23°♃22'00	
max. Earth dist.	-1193 Nov 24 j 04:50	22°♄04'49	11.12084 AU		-1186 Jan 09 j 10:16	0°♁	
morning rise	-1193 Dec 11 j 03:37	24°♄03'14		evening set	-1186 Jan 15 j 23:35	0°♁47'37	
	-1192 Feb 14 j 02:47	0°♁					
retrograde	-1192 Mar 21 j 10:32	1°♁02'51		conjunction	-1186 Feb 02 j 00:30	2°♁54'35	-1°-25'-18
	-1192 Apr 27 j 12:50	30°♄		minimum elong	-1186 Feb 02 j 00:27	2°♁54'34	1°25'20
opposition	-1192 May 31 j 09:44	27°♄44'43	1°20'49	max. Earth dist.	-1186 Feb 01 j 16:32	2°♁52'06	10.47802 AU
min. Earth dist.	-1192 May 31 j 19:06	27°♄43'00	9.09264 AU	morning rise	-1186 Feb 19 j 06:17	5°♁03'05	
direct	-1192 Aug 10 j 02:08	24°♄26'47		retrograde	-1186 Jun 05 j 12:35	12°♁57'12	
	-1192 Nov 05 j 22:13	0°♁		opposition	-1186 Aug 14 j 09:33	9°♁30'07	-2°00'-40
evening set	-1192 Nov 18 j 06:42	1°♁23'34		min. Earth dist.	-1186 Aug 14 j 14:52	9°♁29'05	8.40956 AU
				direct	-1186 Oct 20 j 21:54	6°♁07'44	
conjunction	-1192 Dec 04 j 19:59	3°♁19'52	0°53'43	evening set	-1185 Jan 29 j 04:04	13°♁43'09	
minimum elong	-1192 Dec 04 j 20:01	3°♁19'53	0°53'41		-1185 Feb 08 j 09:12	15°♁	
max. Earth dist.	-1192 Dec 04 j 08:24	3°♁16'27	11.05792 AU				
morning rise	-1192 Dec 21 j 10:40	5°♁16'38		conjunction	-1185 Feb 15 j 08:22	15°♁52'59	-1°-48'-4
retrograde	-1191 Apr 02 j 10:33	12°♁22'04		minimum elong	-1185 Feb 15 j 08:19	15°♁52'58	1°48'05
opposition	-1191 Jun 12 j 12:25	9°♁02'43	0°49'21	max. Earth dist.	-1185 Feb 15 j 03:04	15°♁51'18	10.34214 AU
min. Earth dist.	-1191 Jun 12 j 22:33	9°♁00'51	9.01768 AU	morning rise	-1185 Mar 04 j 17:39	18°♁04'24	
direct	-1191 Aug 21 j 19:02	5°♁44'32		retrograde	-1185 Jun 19 j 15:30	26°♁09'45	
evening set	-1191 Nov 29 j 14:24	12°♁43'55		opposition	-1185 Aug 28 j 00:42	22°♁41'16	-2°-26'-16
				min. Earth dist.	-1185 Aug 28 j 03:48	22°♁40'39	8.27749 AU
conjunction	-1191 Dec 16 j 05:20	14°♁41'42	0°26'49	direct	-1185 Nov 03 j 01:18	19°♁17'39	
minimum elong	-1191 Dec 16 j 05:21	14°♁41'42	0°26'48	evening set	-1184 Feb 11 j 20:48	27°♁03'23	
max. Earth dist.	-1191 Dec 15 j 17:42	14°♁38'15	10.97252 AU				
morning rise	-1190 Jan 01 j 22:32	16°♁40'12		conjunction	-1184 Feb 29 j 04:51	29°♁16'08	-2°-5'-41
retrograde	-1190 Apr 14 j 18:05	23°♁53'01		minimum elong	-1184 Feb 29 j 04:48	29°♁16'07	2°05'43
opposition	-1190 Jun 24 j 19:07	20°♁32'14	0°15'20	max. Earth dist.	-1184 Feb 29 j 02:38	29°♁15'25	10.21457 AU
min. Earth dist.	-1190 Jun 25 j 04:56	20°♁30'25	8.92178 AU		-1184 Mar 05 j 21:24	0°♁	
direct	-1190 Sep 02 j 14:33	17°♁13'36		morning rise	-1184 Mar 17 j 17:43	1°♁30'27	
desc. node	-1190 Dec 06 j 05:40	23°♁42'45		retrograde	-1184 Jul 03 j 03:51	9°♁46'02	
evening set	-1190 Dec 11 j 03:44	24°♁17'10		opposition	-1184 Sep 09 j 23:00	6°♁16'23	-2°-44'-36
				min. Earth dist.	-1184 Sep 09 j 23:22	6°♁16'19	8.15749 AU
conjunction	-1190 Dec 27 j 20:49	26°♁16'49	0°-1'-42	direct	-1184 Nov 15 j 12:14	2°♁51'32	
minimum elong	-1190 Dec 27 j 20:50	26°♁16'49	0°01'44	evening set	-1183 Feb 25 j 01:33	10°♁47'28	
behind sun begin	-1190 Dec 27 j 13:50	26°♁14'45					
behind sun end	-1190 Dec 28 j 03:51	26°♁18'54		conjunction	-1183 Mar 14 j 13:37	13°♁03'02	-2°-16'-39
max. Earth dist.	-1190 Dec 27 j 10:25	26°♁13'43	10.86754 AU	minimum elong	-1183 Mar 14 j 13:36	13°♁03'01	2°16'40
morning rise	-1189 Jan 13 j 16:45	28°♁17'25		max. Earth dist.	-1183 Mar 14 j 14:34	13°♁03'20	10.10283 AU
	-1189 Jan 28 j 14:51	0°♁		morning rise	-1183 Apr 01 j 06:15	15°♁20'07	
retrograde	-1189 Apr 27 j 09:14	5°♁39'03		retrograde	-1183 Jul 17 j 22:35	23°♁43'59	
opposition	-1189 Jul 07 j 06:54	2°♁16'43	0°-20'-6	opposition	-1183 Sep 24 j 03:27	20°♁13'31	-2°-53'-50
min. Earth dist.	-1189 Jul 07 j 15:24	2°♁15'07	8.80822 AU	min. Earth dist.	-1183 Sep 24 j 01:13	20°♁13'58	8.05678 AU
	-1189 Aug 09 j 14:41	30°♄		direct	-1183 Nov 29 j 08:41	16°♁47'27	
direct	-1189 Sep 14 j 13:18	28°♁57'25		evening set	-1182 Mar 11 j 17:38	24°♁52'46	
	-1189 Oct 19 j 14:53	0°♁					
evening set	-1189 Dec 23 j 00:43	6°♁06'52		conjunction	-1182 Mar 29 j 09:57	27°♁10'56	-2°-19'-45
				minimum elong	-1182 Mar 29 j 09:57	27°♁10'56	2°19'46
conjunction	-1188 Jan 08 j 20:07	8°♁08'42	0°-30'-40	max. Earth dist.	-1182 Mar 29 j 13:37	27°♁12'08	10.01398 AU
minimum elong	-1188 Jan 08 j 20:06	8°♁08'41	0°30'41	morning rise	-1182 Apr 16 j 06:21	29°♁30'27	
max. Earth dist.	-1188 Jan 08 j 10:17	8°♁05'43	10.74675 AU		-1182 Apr 20 j 02:52	0°♁	
morning rise	-1188 Jan 25 j 19:02	10°♁11'41		retrograde	-1182 Aug 01 j 20:52	7°♁59'44	
retrograde	-1188 May 09 j 10:00	17°♁43'22		opposition	-1182 Oct 08 j 12:32	4°♁28'52	-2°-52'-39
opposition	-1188 Jul 19 j 00:44	14°♁19'26	0°-55'-41	min. Earth dist.	-1182 Oct 08 j 08:17	4°♁29'44	7.98192 AU
min. Earth dist.	-1188 Jul 19 j 08:12	14°♁18'01	8.68132 AU	direct	-1182 Dec 13 j 13:37	1°♁01'40	
direct	-1188 Sep 25 j 17:05	10°♁59'17		evening set	-1181 Mar 26 j 18:57	9°♁14'45	
evening set	-1187 Jan 03 j 06:53	18°♁16'07					
				conjunction	-1181 Apr 13 j 15:27	11°♁35'05	-2°-14'-17

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Attention, astronomical year style is used: The year -1181 in astronomical counting style is the year 1182 BCE in historical counting style.

minimum elong	-1181 Apr 13 j 15:29	11°Υ35'06	2°14'18			-1175 Jan 05 j 16:59	30°RΠ	
max. Earth dist.	-1181 Apr 13 j 21:35	11°Υ37'06	9.95408 AU	direct		-1175 Mar 09 j 13:23	26°Π56'53	
morning rise	-1181 May 01 j 15:20	13°Υ56'30				-1175 May 09 j 12:14	0°Ϸ	
retrograde	-1181 Aug 16 j 20:27	22°Υ27'45		evening set		-1175 Jun 23 j 22:28	5°Ϸ03'31	
opposition	-1181 Oct 23 j 00:43	18°Υ56'55	-2°-40'-32					
min. Earth dist.	-1181 Oct 22 j 18:55	18°Υ58'08	7.93812 AU	conjunction		-1175 Jul 11 j 22:26	7°Ϸ19'44	0°28'15
direct	-1181 Dec 28 j 01:32	15°Υ28'46		minimum elong		-1175 Jul 11 j 22:25	7°Ϸ19'44	0°28'15
evening set	-1180 Apr 10 j 02:32	23°Υ47'14		max. Earth dist.		-1175 Jul 12 j 08:40	7°Ϸ22'58	10.25822 AU
				morning rise		-1175 Jul 29 j 18:10	9°Ϸ34'38	
conjunction	-1180 Apr 28 j 02:52	26°Υ09'06	-2°00'-17	retrograde		-1175 Nov 08 j 06:08	17°Ϸ19'11	
minimum elong	-1180 Apr 28 j 02:56	26°Υ09'07	2°00'18	opposition		-1174 Jan 13 j 23:18	13°Ϸ55'22	0°54'21
max. Earth dist.	-1180 Apr 28 j 11:25	26°Υ11'55	9.92739 AU	min. Earth dist.		-1174 Jan 13 j 16:06	13°Ϸ56'49	8.31977 AU
morning rise	-1180 May 16 j 05:34	28°Υ31'40		direct		-1174 Mar 23 j 18:03	10°Ϸ26'55	
	-1180 May 27 j 19:30	0°Ϸ		evening set		-1174 Jul 08 j 03:41	18°Ϸ25'47	
retrograde	-1180 Aug 30 j 18:15	7°Ϸ01'12						
opposition	-1180 Nov 05 j 13:40	3°Ϸ30'48	-2°-18'-2	conjunction		-1174 Jul 25 j 23:01	20°Ϸ38'48	0°59'12
min. Earth dist.	-1180 Nov 05 j 06:28	3°Ϸ32'19	7.92847 AU	minimum elong		-1174 Jul 25 j 22:58	20°Ϸ38'48	0°59'13
direct	-1179 Jan 10 j 18:17	0°Ϸ01'53		max. Earth dist.		-1174 Jul 26 j 07:24	20°Ϸ41'26	10.38488 AU
evening set	-1179 Apr 25 j 13:29	8°Ϸ22'59		morning rise		-1174 Aug 12 j 13:35	22°Ϸ50'20	
						-1174 Oct 31 j 04:03	0°Ω	
conjunction	-1179 May 13 j 16:50	10°Ϸ45'32	-1°-38'-33	retrograde		-1174 Nov 21 j 05:32	0°Ω24'12	
minimum elong	-1179 May 13 j 16:54	10°Ϸ45'34	1°38'34			-1174 Dec 12 j 09:33	30°RϷ	
max. Earth dist.	-1179 May 14 j 03:13	10°Ϸ48'58	9.93563 AU	opposition		-1173 Jan 27 j 06:53	27°Ϸ01'58	1°30'18
morning rise	-1179 May 31 j 21:14	13°Ϸ08'22		min. Earth dist.		-1173 Jan 27 j 01:13	27°Ϸ03'06	8.45070 AU
	-1179 Jun 15 j 15:27	15°Ϸ		direct		-1173 Apr 06 j 17:08	23°Ϸ34'25	
retrograde	-1179 Sep 14 j 12:00	21°Ϸ32'36		evening set		-1173 Jul 10 j 00:07	0°Ω	
opposition	-1179 Nov 20 j 01:00	18°Ϸ03'02	-1°-46'-42			-1173 Jul 21 j 21:34	1°Ω24'45	
min. Earth dist.	-1179 Nov 19 j 16:43	18°Ϸ04'46	7.95333 AU	conjunction		-1173 Aug 08 j 11:34	3°Ω34'22	1°26'19
	-1178 Jan 03 j 20:34	15°RϷ		minimum elong		-1173 Aug 08 j 11:31	3°Ω34'21	1°26'21
direct	-1178 Jan 25 j 14:11	14°Ϸ33'35		max. Earth dist.		-1173 Aug 08 j 17:32	3°Ω36'13	10.51786 AU
	-1178 Feb 16 j 06:53	15°Ϸ		morning rise		-1173 Aug 25 j 20:40	5°Ω42'28	
evening set	-1178 May 11 j 00:04	22°Ϸ54'28		retrograde		-1173 Dec 03 j 19:31	13°Ω06'24	
conjunction	-1178 May 29 j 05:06	25°Ϸ16'44	-1°-10'-42	opposition		-1172 Feb 09 j 07:25	9°Ω45'37	2°00'38
minimum elong	-1178 May 29 j 05:09	25°Ϸ16'45	1°10'42	min. Earth dist.		-1172 Feb 09 j 02:53	9°Ω46'30	8.58480 AU
max. Earth dist.	-1178 May 29 j 16:30	25°Ϸ20'28	9.97755 AU	direct		-1172 Apr 19 j 08:35	6°Ω19'06	
morning rise	-1178 Jun 16 j 09:41	27°Ϸ38'48		evening set		-1172 Aug 03 j 03:46	14°Ω00'34	
	-1178 Jul 05 j 08:26	0°Π				-1172 Aug 11 j 09:02	15°Ω	
retrograde	-1178 Sep 28 j 22:44	5°Π54'57		conjunction		-1172 Aug 20 j 12:21	16°Ω06'51	1°48'34
opposition	-1178 Dec 04 j 08:58	2°Π26'30	-1°-8'-57	minimum elong		-1172 Aug 20 j 12:18	16°Ω06'50	1°48'35
min. Earth dist.	-1178 Dec 03 j 23:54	2°Π28'23	8.01005 AU	max. Earth dist.		-1172 Aug 20 j 16:20	16°Ω08'04	10.65056 AU
	-1177 Jan 06 j 02:37	30°RϷ		morning rise		-1172 Sep 06 j 15:59	18°Ω11'37	
direct	-1177 Feb 09 j 09:54	28°Ϸ56'50		retrograde		-1172 Dec 15 j 03:35	25°Ω26'43	
	-1177 Mar 15 j 13:00	0°Π		opposition		-1171 Feb 21 j 01:26	22°Ω07'11	2°24'23
evening set	-1177 May 26 j 06:42	7°Π14'51		min. Earth dist.		-1171 Feb 20 j 21:55	22°Ω07'52	8.71541 AU
conjunction	-1177 Jun 13 j 11:43	9°Π35'52	0°-38'-46	direct		-1171 May 02 j 14:54	18°Ω41'51	
minimum elong	-1177 Jun 13 j 11:45	9°Π35'53	0°38'47	evening set		-1171 Aug 15 j 22:41	26°Ω14'31	
max. Earth dist.	-1177 Jun 13 j 23:29	9°Π39'41	10.04896 AU	conjunction		-1171 Sep 02 j 02:04	28°Ω17'43	2°05'17
morning rise	-1177 Jul 01 j 14:48	11°Π56'15		minimum elong		-1171 Sep 02 j 02:01	28°Ω17'42	2°05'18
retrograde	-1177 Oct 13 j 01:28	20°Π02'32		max. Earth dist.		-1171 Sep 02 j 04:44	28°Ω18'31	10.77666 AU
opposition	-1177 Dec 18 j 11:55	16°Π35'29	0°-27'-39			-1171 Sep 16 j 06:49	0°η	
min. Earth dist.	-1177 Dec 18 j 02:41	16°Π37'23	8.09364 AU	morning rise		-1171 Sep 19 j 00:31	0°η19'27	
direct	-1176 Feb 24 j 02:25	13°Π05'56		retrograde		-1171 Dec 27 j 04:41	7°η27'00	
evening set	-1176 Jun 09 j 06:53	21°Π19'03		opposition		-1170 Mar 05 j 13:34	4°η08'31	2°41'03
conjunction	-1176 Jun 27 j 10:11	23°Π38'00	0°-5'-7	min. Earth dist.		-1170 Mar 05 j 11:33	4°η08'54	8.83663 AU
minimum elong	-1176 Jun 27 j 10:11	23°Π38'00	0°05'07	direct		-1170 May 15 j 12:12	0°η44'24	
behind sun begin	-1176 Jun 27 j 03:05	23°Π35'45		evening set		-1170 Aug 28 j 07:09	8°η08'42	
behind sun end	-1176 Jun 27 j 17:18	23°Π40'16		conjunction		-1170 Sep 14 j 05:50	10°η09'11	2°16'11
max. Earth dist.	-1176 Jun 27 j 21:35	23°Π41'39	10.14431 AU	minimum elong		-1170 Sep 14 j 05:48	10°η09'10	2°16'12
morning rise	-1176 Jul 15 j 10:14	25°Π55'56		max. Earth dist.		-1170 Sep 14 j 06:56	10°η09'30	10.89086 AU
	-1176 Aug 19 j 08:26	0°Ϸ		morning rise		-1170 Sep 30 j 23:52	12°η08'20	
asc. node	-1176 Aug 23 j 06:50	0°Ϸ23'56		retrograde		-1169 Jan 08 j 00:16	19°η09'44	
retrograde	-1176 Oct 25 j 19:50	3°Ϸ51'28		opposition		-1169 Mar 17 j 20:38	15°η52'06	2°50'32
opposition	-1176 Dec 31 j 08:48	0°Ϸ26'01	0°14'19	min. Earth dist.		-1169 Mar 17 j 20:57	15°η52'02	8.94363 AU
min. Earth dist.	-1176 Dec 31 j 00:20	0°Ϸ27'45	8.19868 AU					

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Attention, astronomical year style is used: The year -1169 in astronomical counting style is the year 1170 BCE in historical counting style.

direct	-1169 May 28 j 02:42	12°♄29'09		opposition	-1163 May 26 j 12:17	23°♃03'31	1°33'40
evening set	-1169 Sep 09 j 06:16	19°♄45'51		min. Earth dist.	-1163 May 26 j 20:15	23°♃02'04	9.12049 AU
conjunction	-1169 Sep 26 j 00:53	21°♄44'04	2°21'14	direct	-1163 Aug 05 j 09:30	19°♃45'35	
minimum elong	-1169 Sep 26 j 00:52	21°♄44'03	2°21'13	evening set	-1163 Nov 13 j 17:52	26°♃41'33	
max. Earth dist.	-1169 Sep 25 j 23:17	21°♄43'35	10.98878 AU	conjunction	-1163 Nov 30 j 06:42	28°♃37'15	1°04'52
morning rise	-1169 Oct 12 j 15:36	23°♄41'09		minimum elong	-1163 Nov 30 j 06:44	28°♃37'16	1°04'51
retrograde	-1168 Jan 19 j 15:27	0°♄37'55		max. Earth dist.	-1163 Nov 29 j 21:51	28°♃34'39	11.09439 AU
opposition	-1168 Mar 28 j 23:23	27°♄20'52	2°52'57	morning rise	-1163 Dec 12 j 01:10	0°♄	
min. Earth dist.	-1168 Mar 29 j 01:41	27°♄20'26	9.03231 AU	retrograde	-1162 Mar 28 j 12:05	7°♄35'35	
direct	-1168 Jun 08 j 10:04	23°♄59'05		opposition	-1162 Jun 07 j 13:09	4°♄16'56	1°03'37
evening set	-1168 Sep 19 j 21:41	1°♄09'07		min. Earth dist.	-1162 Jun 07 j 20:49	4°♄15'31	9.06296 AU
conjunction	-1168 Oct 06 j 13:08	3°♄05'36	2°20'35	direct	-1162 Aug 17 j 01:31	0°♄59'08	
minimum elong	-1168 Oct 06 j 13:08	3°♄05'36	2°20'34	evening set	-1162 Nov 24 j 23:30	7°♄56'44	
max. Earth dist.	-1168 Oct 06 j 09:15	3°♄04'27	11.06687 AU	conjunction	-1162 Dec 11 j 13:43	9°♄53'42	0°38'57
morning rise	-1168 Oct 23 j 01:28	5°♄01'11		minimum elong	-1162 Dec 11 j 13:45	9°♄53'42	0°38'56
retrograde	-1167 Jan 30 j 03:35	11°♄54'52		max. Earth dist.	-1162 Dec 11 j 04:33	9°♄50'59	11.02572 AU
opposition	-1167 Apr 09 j 22:52	8°♄38'09	2°48'37	morning rise	-1162 Dec 28 j 05:33	11°♄51'13	
min. Earth dist.	-1167 Apr 10 j 02:16	8°♄37'31	9.09946 AU	retrograde	-1161 Apr 09 j 17:00	18°♄59'58	
direct	-1167 Jun 20 j 12:57	5°♄17'26		opposition	-1161 Jun 19 j 17:28	15°♄40'14	0°30'38
evening set	-1167 Oct 01 j 06:52	12°♄21'57		min. Earth dist.	-1161 Jun 20 j 01:25	15°♄38'46	8.98292 AU
conjunction	-1167 Oct 17 j 20:15	14°♄17'15	2°14'31	direct	-1161 Aug 28 j 17:13	12°♄22'18	
minimum elong	-1167 Oct 17 j 20:17	14°♄17'16	2°14'31	evening set	-1161 Dec 06 j 09:59	19°♄23'13	
max. Earth dist.	-1167 Oct 17 j 15:26	14°♄15'51	11.12244 AU	conjunction	-1161 Dec 23 j 01:54	21°♄21'46	0°11'07
morning rise	-1167 Nov 03 j 07:04	16°♄11'52		minimum elong	-1161 Dec 23 j 01:54	21°♄21'46	0°11'06
retrograde	-1166 Feb 10 j 16:59	23°♄04'04		behind sun begin	-1161 Dec 22 j 20:37	21°♄20'13	
opposition	-1166 Apr 21 j 20:26	19°♄47'27	2°37'59	behind sun end	-1161 Dec 23 j 07:10	21°♄23'20	
min. Earth dist.	-1166 Apr 22 j 00:38	19°♄46'41	9.14287 AU	max. Earth dist.	-1161 Dec 22 j 15:48	21°♄18'46	10.93576 AU
direct	-1166 Jul 02 j 10:14	16°♄27'45		morning rise	-1160 Jan 08 j 20:28	23°♄21'10	
evening set	-1166 Oct 12 j 11:34	23°♄27'56		retrograde	-1160 Mar 24 j 04:14	0°♄	
conjunction	-1166 Oct 28 j 23:44	25°♄22'36	2°03'26	retrograde	-1160 Apr 21 j 03:05	0°♄37'51	
minimum elong	-1166 Oct 28 j 23:46	25°♄22'37	2°03'26	desc. node	-1160 May 16 j 13:59	0°♄07'08	
max. Earth dist.	-1166 Oct 28 j 17:52	25°♄20'54	11.15361 AU	retrograde	-1160 May 19 j 11:10	30°♃♄	
morning rise	-1166 Nov 14 j 10:00	27°♄16'49		opposition	-1160 Jul 01 j 02:35	27°♄16'50	0°-4'-15
retrograde	-1165 Feb 22 j 05:17	4°♃09'07		min. Earth dist.	-1160 Jul 01 j 10:59	27°♄15'16	8.88315 AU
opposition	-1165 May 03 j 17:08	0°♃52'23	2°21'33	direct	-1160 Sep 08 j 13:53	23°♄58'29	
min. Earth dist.	-1165 May 03 j 23:03	0°♃51'18	9.16110 AU	evening set	-1160 Dec 07 j 21:37	0°♄	
direct	-1165 Jul 14 j 02:26	27°♄33'28		conjunction	-1160 Dec 17 j 02:52	1°♄04'18	
evening set	-1165 Sep 08 j 18:10	0°♃		minimum elong	-1159 Jan 02 j 20:55	3°♄04'48	0°-17'-46
conjunction	-1165 Nov 09 j 01:29	6°♃25'19	1°47'46	max. Earth dist.	-1159 Jan 02 j 20:54	3°♄04'48	0°17'48
minimum elong	-1165 Nov 09 j 01:32	6°♃25'19	1°47'45	morning rise	-1159 Jan 02 j 11:12	3°♄01'53	10.82757 AU
max. Earth dist.	-1165 Nov 08 j 17:31	6°♃22'59	11.15933 AU	retrograde	-1159 Jan 19 j 18:25	5°♄06'23	
morning rise	-1165 Nov 25 j 12:15	8°♃19'39		opposition	-1159 May 03 j 22:22	12°♄32'22	
retrograde	-1164 Feb 17 j 01:52	15°♃		min. Earth dist.	-1159 Jul 13 j 17:14	9°♄09'53	0°-39'-52
opposition	-1164 Mar 04 j 19:33	15°♃13'38		direct	-1159 Jul 14 j 01:06	9°♄08'24	8.76715 AU
min. Earth dist.	-1164 Mar 21 j 16:53	15°♃♃		evening set	-1159 Sep 20 j 16:14	5°♄50'51	
direct	-1164 May 14 j 13:56	11°♃56'32	1°59'53	conjunction	-1159 Dec 29 j 04:05	13°♄03'06	
evening set	-1164 May 14 j 21:29	11°♃55'09	9.15355 AU	minimum elong	-1158 Jan 15 j 00:43	15°♄05'53	0°-46'-29
conjunction	-1164 Jul 24 j 18:37	8°♃38'12		max. Earth dist.	-1158 Jan 15 j 00:41	15°♄05'53	0°46'30
retrograde	-1164 Oct 28 j 15:06	15°♃		morning rise	-1158 Jan 14 j 16:19	15°♄03'19	10.70485 AU
evening set	-1164 Nov 02 j 15:25	15°♃34'06		retrograde	-1158 Feb 01 j 01:16	17°♄09'57	
conjunction	-1164 Nov 19 j 03:14	17°♃29'00	1°28'02	opposition	-1158 May 17 j 02:45	24°♄46'14	
minimum elong	-1164 Nov 19 j 03:17	17°♃29'00	1°28'02	min. Earth dist.	-1158 Jul 26 j 13:56	21°♄22'12	-1°-14'-42
max. Earth dist.	-1164 Nov 18 j 18:03	17°♃26'18	11.13940 AU	direct	-1158 Jul 26 j 20:34	21°♄20'56	8.63892 AU
morning rise	-1164 Dec 05 j 15:11	19°♃23'57		evening set	-1158 Oct 02 j 22:33	18°♄02'15	
retrograde	-1163 Mar 16 j 12:36	26°♃21'17		conjunction	-1157 Jan 10 j 15:07	25°♄22'25	
				minimum elong	-1157 Jan 27 j 14:35	27°♄27'45	-1°-13'-47
				max. Earth dist.	-1157 Jan 27 j 14:33	27°♄27'44	1°13'48
				morning rise	-1157 Jan 27 j 07:14	27°♄25'28	10.57192 AU
					-1157 Feb 13 j 18:23	29°♄34'30	
					-1157 Feb 17 j 06:54	0°♃	

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Attention, astronomical year style is used: The year -1157 in astronomical counting style is the year 1158 BCE in historical counting style.

retrograde	-1157 May 30 j 15:48	7°≈21'54		max. Earth dist.	-1151 Apr 21 j 12:25	19°Υ35'40	9.94225 AU
opposition	-1157 Aug 08 j 17:36	3°≈56'16	-1°-47'-8	morning rise	-1151 May 09 j 06:51	21°Υ55'20	
min. Earth dist.	-1157 Aug 08 j 22:50	3°≈55'15	8.50317 AU		-1151 Aug 02 j 18:21	0°Ϡ	
direct	-1157 Oct 15 j 12:38	0°≈35'13		retrograde	-1151 Aug 24 j 02:19	0°Ϡ25'20	
evening set	-1156 Jan 23 j 13:13	8°≈04'37			-1151 Sep 14 j 11:29	30°RΥ	
				opposition	-1151 Oct 30 j 03:05	26°Υ54'24	-2°-29'-58
conjunction	-1156 Feb 09 j 15:41	10°≈12'42	-1°-38'-15	min. Earth dist.	-1151 Oct 29 j 20:58	26°Υ55'41	7.93192 AU
minimum elong	-1156 Feb 09 j 15:38	10°≈12'41	1°38'17	direct	-1150 Jan 04 j 06:21	23°Υ25'31	
max. Earth dist.	-1156 Feb 09 j 08:58	10°≈10'35	10.43433 AU		-1150 Apr 04 j 19:39	0°Ϡ	
morning rise	-1156 Feb 26 j 22:59	12°≈22'19		evening set	-1150 Apr 18 j 15:47	1°Ϡ44'58	
	-1156 Mar 20 j 05:07	15°≈					
retrograde	-1156 Jun 12 j 14:39	20°≈21'05		conjunction	-1150 May 06 j 17:55	4°Ϡ07'13	-1°-49'-48
opposition	-1156 Aug 21 j 04:37	16°≈53'58	-2°-15'-15	minimum elong	-1150 May 06 j 17:59	4°Ϡ07'14	1°49'49
min. Earth dist.	-1156 Aug 21 j 08:37	16°≈53'10	8.36647 AU	max. Earth dist.	-1150 May 07 j 02:53	4°Ϡ10'11	9.92722 AU
	-1156 Sep 15 j 18:19	15°R≈		morning rise	-1150 May 24 j 21:28	6°Ϡ29'56	
direct	-1156 Oct 27 j 10:07	13°≈31'38		retrograde	-1150 Sep 07 j 22:40	14°Ϡ56'40	
	-1156 Dec 07 j 00:26	15°≈		opposition	-1150 Nov 13 j 14:39	11°Ϡ26'12	-2°-2'-39
evening set	-1155 Feb 04 j 23:17	21°≈11'08		min. Earth dist.	-1150 Nov 13 j 07:19	11°Ϡ27'44	7.93382 AU
				direct	-1149 Jan 18 j 23:48	7°Ϡ56'31	
conjunction	-1155 Feb 22 j 05:12	23°≈22'05	-1°-58'-20		-1149 Apr 23 j 21:44	15°Ϡ	
minimum elong	-1155 Feb 22 j 05:09	23°≈22'04	1°58'22	evening set	-1149 May 04 j 02:12	16°Ϡ17'30	
max. Earth dist.	-1155 Feb 21 j 23:55	23°≈20'24	10.29966 AU				
morning rise	-1155 Mar 11 j 16:13	25°≈34'41		conjunction	-1149 May 22 j 06:39	18°Ϡ40'03	-1°-24'-41
	-1155 Apr 19 j 08:12	0°Ϡ		minimum elong	-1149 May 22 j 06:42	18°Ϡ40'04	1°24'41
retrograde	-1155 Jun 26 j 22:10	3°Ϡ44'14		max. Earth dist.	-1149 May 22 j 17:00	18°Ϡ43'27	9.94697 AU
opposition	-1155 Sep 03 j 22:48	0°Ϡ15'43	-2°-37'-4	morning rise	-1149 Jun 09 j 11:13	21°Ϡ02'36	
min. Earth dist.	-1155 Sep 04 j 01:30	0°Ϡ15'10	8.23683 AU	retrograde	-1149 Sep 22 j 13:00	29°Ϡ22'54	
	-1155 Sep 07 j 05:18	30°R≈		opposition	-1149 Nov 28 j 00:07	25°Ϡ53'20	-1°-27'-41
direct	-1155 Nov 09 j 16:12	26°≈51'58		min. Earth dist.	-1149 Nov 27 j 16:11	25°Ϡ55'00	7.96992 AU
	-1154 Jan 08 j 17:50	0°Ϡ		direct	-1148 Feb 02 j 19:13	22°Ϡ23'11	
evening set	-1154 Feb 18 j 21:29	4°Ϡ41'51			-1148 May 12 j 19:19	0°Π	
				evening set	-1148 May 18 j 10:37	0°Π42'55	
conjunction	-1154 Mar 08 j 07:19	6°Ϡ55'42	-2°-12'-29				
minimum elong	-1154 Mar 08 j 07:17	6°Ϡ55'42	2°12'31	conjunction	-1148 Jun 05 j 15:53	3°Π04'45	0°-54'-26
max. Earth dist.	-1154 Mar 08 j 04:32	6°Ϡ54'48	10.17596 AU	minimum elong	-1148 Jun 05 j 15:55	3°Π04'46	0°54'26
morning rise	-1154 Mar 25 j 22:09	9°Ϡ11'10		max. Earth dist.	-1148 Jun 06 j 02:44	3°Π08'18	9.99990 AU
retrograde	-1154 Jul 11 j 11:39	17°Ϡ30'01		morning rise	-1148 Jun 23 j 19:58	5°Π26'10	
opposition	-1154 Sep 17 j 23:28	14°Ϡ00'21	-2°-50'-41	retrograde	-1148 Oct 05 j 19:21	13°Π37'39	
min. Earth dist.	-1154 Sep 18 j 00:18	14°Ϡ00'11	8.12201 AU	opposition	-1148 Dec 11 j 05:33	10°Π09'19	0°-47'-42
direct	-1154 Nov 23 j 09:08	10°Ϡ35'10		min. Earth dist.	-1148 Dec 10 j 21:30	10°Π10'59	8.03756 AU
evening set	-1153 Mar 05 j 07:16	18°Ϡ34'57		direct	-1147 Feb 16 j 13:22	6°Π39'03	
				evening set	-1147 Jun 02 j 14:15	14°Π55'03	
conjunction	-1153 Mar 22 j 21:20	20°Ϡ51'34	-2°-19'-21				
minimum elong	-1153 Mar 22 j 21:20	20°Ϡ51'34	2°19'22	conjunction	-1147 Jun 20 j 18:34	17°Π15'14	0°-21'-18
max. Earth dist.	-1153 Mar 22 j 21:46	20°Ϡ51'43	10.07084 AU	minimum elong	-1147 Jun 20 j 18:35	17°Π15'15	0°21'18
morning rise	-1153 Apr 09 j 15:53	23°Ϡ09'40		max. Earth dist.	-1147 Jun 21 j 05:06	17°Π18'38	10.08215 AU
	-1153 Jun 13 j 11:59	0°Υ		morning rise	-1147 Jul 08 j 20:28	19°Π34'36	
retrograde	-1153 Jul 26 j 05:49	1°Υ35'29		retrograde	-1147 Oct 19 j 17:17	27°Π35'41	
	-1153 Sep 07 j 11:49	30°RϠ		opposition	-1147 Dec 25 j 05:26	24°Π08'52	0°-5'-40
opposition	-1153 Oct 02 j 05:27	28°Ϡ04'59	-2°-54'-30	min. Earth dist.	-1147 Dec 24 j 21:12	24°Π10'33	8.13212 AU
min. Earth dist.	-1153 Oct 02 j 03:55	28°Ϡ05'18	8.02918 AU	asc. node	-1146 Feb 14 j 12:44	20°Π53'46	
direct	-1153 Dec 07 j 10:05	24°Ϡ38'25		direct	-1146 Mar 03 j 03:40	20°Π38'51	
	-1152 Feb 25 j 14:28	0°Υ		evening set	-1146 Jun 17 j 10:10	28°Π49'05	
evening set	-1152 Mar 19 j 03:10	2°Υ46'52			-1146 Jun 26 j 18:41	0°Ϡ	
conjunction	-1152 Apr 05 j 21:38	5°Υ05'58	-2°-17'-57	conjunction	-1146 Jul 05 j 11:53	1°Ϡ06'49	0°12'30
minimum elong	-1152 Apr 05 j 21:39	5°Υ05'58	2°17'59	minimum elong	-1146 Jul 05 j 11:52	1°Ϡ06'49	0°12'31
max. Earth dist.	-1152 Apr 06 j 01:33	5°Υ07'15	9.99117 AU	behind sun begin	-1146 Jul 05 j 07:15	1°Ϡ05'21	
morning rise	-1152 Apr 23 j 19:44	7°Υ26'16		behind sun end	-1146 Jul 05 j 16:29	1°Ϡ08'17	
retrograde	-1152 Aug 09 j 03:45	15°Υ55'58		max. Earth dist.	-1146 Jul 05 j 22:00	1°Ϡ10'03	10.18824 AU
opposition	-1152 Oct 15 j 15:18	12°Υ25'01	-2°-47'-35	morning rise	-1146 Jul 23 j 10:05	3°Ϡ23'23	
min. Earth dist.	-1152 Oct 15 j 11:09	12°Υ25'52	7.96441 AU	retrograde	-1146 Nov 02 j 06:53	11°Ϡ13'28	
direct	-1152 Dec 20 j 17:33	8°Υ57'12		opposition	-1145 Jan 07 j 23:03	7°Ϡ48'17	0°35'35
evening set	-1151 Apr 03 j 06:54	17°Υ12'22		min. Earth dist.	-1145 Jan 07 j 14:43	7°Ϡ49'58	8.24759 AU
				direct	-1145 Mar 17 j 12:11	4°Ϡ18'55	
conjunction	-1151 Apr 21 j 05:34	19°Υ33'25	-2°-7'-58	evening set	-1145 Jul 01 j 20:10	12°Ϡ21'49	
minimum elong	-1151 Apr 21 j 05:37	19°Υ33'26	2°07'59				

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Attention, astronomical year style is used: The year -1145 in astronomical counting style is the year 1146 BCE in historical counting style.

conjunction	-1145 Jul 19 j 17:57	14°♄36'31	0°44'46	conjunction	-1139 Oct 01 j 13:49	28°♃01'34	2°21'26
minimum elong	-1145 Jul 19 j 17:55	14°♄36'31	0°44'47	minimum elong	-1139 Oct 01 j 13:49	28°♃01'34	2°21'26
max. Earth dist.	-1145 Jul 20 j 03:35	14°♄39'34	10.31164 AU	max. Earth dist.	-1139 Oct 01 j 12:29	28°♃01'10	11.03962 AU
morning rise	-1145 Aug 06 j 11:17	16°♄49'49		morning rise	-1139 Oct 18 j 03:02	29°♃57'47	
retrograde	-1145 Nov 15 j 11:05	24°♄28'58			-1139 Oct 18 j 10:43	0°♄	
opposition	-1144 Jan 21 j 09:46	21°♄05'29	1°13'43	retrograde	-1138 Jan 25 j 05:23	6°♄52'54	
min. Earth dist.	-1144 Jan 21 j 01:52	21°♄07'04	8.37709 AU	opposition	-1138 Apr 04 j 17:50	3°♄36'34	2°51'16
direct	-1144 Mar 30 j 14:08	17°♄37'04		min. Earth dist.	-1138 Apr 04 j 20:12	3°♄36'07	9.07844 AU
evening set	-1144 Jul 14 j 19:28	25°♄31'41		direct	-1138 Jun 15 j 05:02	0°♄15'54	
				evening set	-1138 Sep 26 j 09:21	7°♄23'02	
conjunction	-1144 Aug 01 j 12:20	27°♄43'03	1°13'53	conjunction	-1138 Oct 12 j 23:36	9°♄18'49	2°17'53
minimum elong	-1144 Aug 01 j 12:17	27°♄43'02	1°13'54	minimum elong	-1138 Oct 12 j 23:37	9°♄18'49	2°17'52
max. Earth dist.	-1144 Aug 01 j 21:02	27°♄45'46	10.44526 AU	max. Earth dist.	-1138 Oct 12 j 19:25	9°♄17'35	11.10757 AU
morning rise	-1144 Aug 19 j 00:08	29°♄52'53		morning rise	-1138 Oct 29 j 10:59	11°♄13'48	
	-1144 Aug 19 j 23:33	0°♄		retrograde	-1137 Feb 05 j 18:07	18°♄06'35	
retrograde	-1144 Nov 27 j 06:47	7°♄21'40		opposition	-1137 Apr 16 j 16:35	14°♄50'30	2°43'32
opposition	-1143 Feb 02 j 13:29	3°♄59'52	1°46'53	min. Earth dist.	-1137 Apr 16 j 21:27	14°♄49'36	9.13394 AU
min. Earth dist.	-1143 Feb 02 j 07:03	4°♄01'09	8.51349 AU	direct	-1137 Jun 27 j 05:03	11°♄30'49	
direct	-1143 Apr 13 j 07:41	0°♄32'37		evening set	-1137 Oct 07 j 16:28	18°♄33'03	
evening set	-1143 Jul 28 j 07:25	8°♄18'30					
conjunction	-1143 Aug 14 j 18:48	10°♄26'27	1°38'33	conjunction	-1137 Oct 24 j 05:00	20°♄27'56	2°09'05
minimum elong	-1143 Aug 14 j 18:45	10°♄26'26	1°38'34	minimum elong	-1137 Oct 24 j 05:02	20°♄27'57	2°09'05
max. Earth dist.	-1143 Aug 15 j 01:44	10°♄28'35	10.58204 AU	max. Earth dist.	-1137 Oct 23 j 22:08	20°♄25'56	11.14999 AU
morning rise	-1143 Sep 01 j 00:57	12°♄32'50		morning rise	-1137 Nov 09 j 15:33	22°♄22'16	
	-1143 Sep 22 j 07:01	15°♄		retrograde	-1136 Feb 17 j 05:35	29°♄14'25	
retrograde	-1143 Dec 09 j 19:03	19°♄52'13		opposition	-1136 Apr 27 j 13:49	25°♄58'15	2°29'44
opposition	-1142 Feb 15 j 10:47	16°♄32'01	2°13'51	min. Earth dist.	-1136 Apr 27 j 20:03	25°♄57'07	9.16263 AU
min. Earth dist.	-1142 Feb 15 j 06:23	16°♄32'52	8.64987 AU	direct	-1136 Jul 08 j 00:57	22°♄39'24	
	-1142 Mar 07 j 22:58	15°♄♄		evening set	-1136 Oct 17 j 20:05	29°♄38'08	
direct	-1142 Apr 26 j 16:44	13°♄06'05			-1136 Oct 21 j 00:30	0°♄	
	-1142 Jun 14 j 14:12	15°♄		conjunction	-1136 Nov 03 j 07:53	1°♄32'41	1°55'30
evening set	-1142 Aug 10 j 07:51	20°♄43'08		minimum elong	-1136 Nov 03 j 07:55	1°♄32'41	1°55'29
conjunction	-1142 Aug 27 j 13:40	22°♄47'49	1°57'57	max. Earth dist.	-1136 Nov 03 j 00:04	1°♄30'24	11.16523 AU
minimum elong	-1142 Aug 27 j 13:37	22°♄47'48	1°57'58	morning rise	-1136 Nov 19 j 18:19	3°♄26'53	
max. Earth dist.	-1142 Aug 27 j 17:53	22°♄49'06	10.71542 AU	retrograde	-1135 Feb 27 j 21:04	10°♄20'06	
morning rise	-1142 Sep 13 j 14:35	24°♄51'01		opposition	-1135 May 09 j 10:52	7°♄03'34	2°10'27
	-1142 Nov 02 j 18:06	0°♄		min. Earth dist.	-1135 May 09 j 17:56	7°♄02'17	9.16386 AU
retrograde	-1142 Dec 21 j 21:50	2°♄02'13		direct	-1135 Jul 19 j 18:57	3°♄45'18	
	-1141 Feb 10 j 22:53	30°♄♄		evening set	-1135 Oct 28 j 22:12	10°♄41'57	
opposition	-1141 Feb 28 j 01:54	28°♄43'23	2°33'54				
min. Earth dist.	-1141 Feb 27 j 23:10	28°♄43'55	8.77985 AU	conjunction	-1135 Nov 14 j 09:58	12°♄36'40	1°37'35
direct	-1141 May 09 j 18:54	25°♄18'50		minimum elong	-1135 Nov 14 j 10:01	12°♄36'41	1°37'35
	-1141 Jul 28 j 22:09	0°♄		max. Earth dist.	-1135 Nov 14 j 01:06	12°♄34'05	11.15339 AU
evening set	-1141 Aug 22 j 21:33	2°♄47'20		morning rise	-1135 Nov 30 j 21:08	14°♄31'18	
					-1135 Dec 05 j 02:14	15°♄	
conjunction	-1141 Sep 08 j 22:19	4°♄49'05	2°11'38	retrograde	-1134 Mar 11 j 13:05	21°♄27'09	
minimum elong	-1141 Sep 08 j 22:16	4°♄49'04	2°11'38	opposition	-1134 May 21 j 08:54	18°♄09'56	1°46'17
max. Earth dist.	-1141 Sep 09 j 00:06	4°♄49'37	10.83951 AU	min. Earth dist.	-1134 May 21 j 17:11	18°♄08'25	9.13835 AU
morning rise	-1141 Sep 25 j 18:33	6°♄49'28			-1134 Jul 18 j 11:15	15°♄♄	
retrograde	-1140 Jan 02 j 20:19	13°♄53'51		direct	-1134 Jul 31 j 08:50	14°♄51'59	
opposition	-1140 Mar 11 j 11:20	10°♄36'08	2°46'46		-1134 Aug 13 j 05:54	15°♄	
min. Earth dist.	-1140 Mar 11 j 09:48	10°♄36'25	8.89773 AU	evening set	-1134 Nov 09 j 00:27	21°♄48'02	
direct	-1140 May 21 j 14:28	7°♄12'58					
evening set	-1140 Sep 03 j 01:28	14°♄33'28		conjunction	-1134 Nov 25 j 12:45	23°♄43'23	1°15'57
				minimum elong	-1134 Nov 25 j 12:47	23°♄43'23	1°15'56
conjunction	-1140 Sep 19 j 21:58	16°♄32'43	2°19'26	max. Earth dist.	-1134 Nov 25 j 02:04	23°♄40'15	11.11544 AU
minimum elong	-1140 Sep 19 j 21:57	16°♄32'43	2°19'26	morning rise	-1134 Dec 12 j 01:34	25°♄38'55	
max. Earth dist.	-1140 Sep 19 j 22:14	16°♄32'48	10.94907 AU		-1133 Jan 23 j 13:14	0°♄♄	
morning rise	-1140 Oct 06 j 14:14	18°♄30'45		retrograde	-1133 Mar 23 j 08:40	2°♄39'00	
retrograde	-1139 Jan 13 j 15:13	25°♄29'44			-1133 May 24 j 09:55	30°♄♄	
opposition	-1139 Mar 23 j 16:21	22°♄12'51	2°52'29	opposition	-1133 Jun 02 j 08:52	29°♄20'49	1°17'55
min. Earth dist.	-1139 Mar 23 j 16:21	22°♄12'51	8.99859 AU	min. Earth dist.	-1133 Jun 02 j 18:31	29°♄19'03	9.08734 AU
direct	-1139 Jun 03 j 00:44	18°♄51'02		direct	-1133 Aug 12 j 00:51	26°♄02'53	
evening set	-1139 Sep 14 j 20:50	26°♄04'19			-1133 Oct 23 j 12:45	0°♄♄	
				evening set	-1133 Nov 20 j 04:46	2°♄59'55	

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Attention, astronomical year style is used: The year -1133 in astronomical counting style is the year 1134 BCE in historical counting style.

conjunction	-1133 Dec 06 j 18:12	4°♂56'19	0°51'13	conjunction	-1126 Feb 16 j 08:37	17°♁32'57	-1°-49'-47
minimum elong	-1133 Dec 06 j 18:14	4°♂56'20	0°51'11	minimum elong	-1126 Feb 16 j 08:34	17°♁32'56	1°49'49
max. Earth dist.	-1133 Dec 06 j 06:56	4°♂53'00	11.05282 AU	max. Earth dist.	-1126 Feb 16 j 04:15	17°♁31'34	10.34158 AU
morning rise	-1133 Dec 23 j 09:06	6°♂53'12		morning rise	-1126 Mar 05 j 17:54	19°♁44'24	
retrograde	-1132 Apr 03 j 10:02	13°♂59'04		retrograde	-1126 Jun 20 j 16:49	27°♁49'47	
opposition	-1132 Jun 13 j 11:42	10°♂39'40	0°46'11	opposition	-1126 Aug 29 j 00:42	24°♁21'14	-2°-28'-4
min. Earth dist.	-1132 Jun 13 j 21:25	10°♂37'53	9.01272 AU	min. Earth dist.	-1126 Aug 29 j 03:00	24°♁20'47	8.27753 AU
direct	-1132 Aug 22 j 18:10	7°♂21'30		direct	-1126 Nov 04 j 00:19	20°♁57'36	
evening set	-1132 Nov 30 j 12:52	14°♂21'06		evening set	-1125 Feb 12 j 21:02	28°♁43'21	
					-1125 Feb 22 j 22:22	0°♁	
conjunction	-1132 Dec 17 j 04:02	16°♂19'00	0°24'09	conjunction	-1125 Mar 02 j 05:11	0°♁56'05	-2°-6'-51
minimum elong	-1132 Dec 17 j 04:03	16°♂19'00	0°24'08	minimum elong	-1125 Mar 02 j 05:08	0°♁56'04	2°06'53
max. Earth dist.	-1132 Dec 16 j 17:29	16°♂15'52	10.96774 AU	max. Earth dist.	-1125 Mar 02 j 03:04	0°♁55'24	10.21502 AU
morning rise	-1131 Jan 02 j 21:18	18°♂17'36		morning rise	-1125 Mar 19 j 18:08	3°♁10'25	
retrograde	-1131 Apr 15 j 17:54	25°♂30'50		retrograde	-1125 Jul 05 j 04:32	11°♁25'52	
opposition	-1131 Jun 25 j 18:45	22°♂10'00	0°12'01	opposition	-1125 Sep 11 j 22:47	7°♁56'11	-2°-45'-40
min. Earth dist.	-1131 Jun 26 j 03:34	22°♂08'22	8.91722 AU	min. Earth dist.	-1125 Sep 11 j 22:52	7°♁56'10	8.15842 AU
direct	-1131 Sep 03 j 13:43	18°♂51'23		direct	-1125 Nov 17 j 11:54	4°♁31'17	
desc. node	-1131 Nov 01 j 13:07	21°♂38'20		evening set	-1124 Feb 27 j 01:46	12°♁27'11	
evening set	-1131 Dec 12 j 02:38	25°♂55'11					
conjunction	-1131 Dec 28 j 19:49	27°♂54'55	0°-4'-26	conjunction	-1124 Mar 15 j 13:52	14°♁42'44	-2°-17'-11
minimum elong	-1131 Dec 28 j 19:50	27°♂54'55	0°04'28	minimum elong	-1124 Mar 15 j 13:51	14°♁42'43	2°17'13
behind sun begin	-1131 Dec 28 j 12:57	27°♂52'53		max. Earth dist.	-1124 Mar 15 j 14:10	14°♁42'50	10.10414 AU
behind sun end	-1131 Dec 29 j 02:43	27°♂56'58		morning rise	-1124 Apr 02 j 06:39	16°♁59'48	
max. Earth dist.	-1131 Dec 28 j 09:48	27°♂51'56	10.86326 AU	retrograde	-1124 Jul 18 j 22:10	25°♁23'24	
morning rise	-1130 Jan 14 j 15:52	29°♂55'36		opposition	-1124 Sep 25 j 03:00	21°♁52'56	-2°-54'-4
	-1130 Jan 15 j 06:50	0°♁		min. Earth dist.	-1124 Sep 25 j 01:07	21°♁53'19	8.05848 AU
retrograde	-1130 Apr 28 j 10:28	7°♁17'38		direct	-1124 Nov 30 j 08:15	18°♁26'48	
opposition	-1130 Jul 08 j 06:54	3°♁55'15	0°-23'-27	evening set	-1123 Mar 12 j 17:39	26°♁31'59	
min. Earth dist.	-1130 Jul 08 j 14:58	3°♁53'44	8.80430 AU				
direct	-1130 Sep 15 j 12:27	0°♁35'57		conjunction	-1123 Mar 30 j 10:00	28°♁50'08	-2°-19'-37
evening set	-1130 Dec 24 j 00:05	7°♁45'35		minimum elong	-1123 Mar 30 j 10:00	28°♁50'08	2°19'39
				max. Earth dist.	-1123 Mar 30 j 12:48	28°♁51'03	10.01604 AU
conjunction	-1129 Jan 09 j 19:30	9°♁47'29	0°-33'-20		-1123 Apr 08 j 07:33	0°♁	
minimum elong	-1129 Jan 09 j 19:29	9°♁47'29	0°33'21	morning rise	-1123 Apr 17 j 06:37	1°♁09'39	
max. Earth dist.	-1129 Jan 09 j 09:19	9°♁44'23	10.74326 AU	retrograde	-1123 Aug 02 j 20:04	9°♁38'33	
morning rise	-1129 Jan 26 j 18:42	11°♁50'34		opposition	-1123 Oct 09 j 11:48	6°♁07'41	-2°-52'-3
retrograde	-1129 May 11 j 10:21	19°♁22'33		min. Earth dist.	-1123 Oct 09 j 08:17	6°♁08'25	7.98426 AU
opposition	-1129 Jul 21 j 00:53	15°♁58'35	0°-58'-53	direct	-1123 Dec 14 j 12:56	2°♁40'25	
min. Earth dist.	-1129 Jul 21 j 08:39	15°♁57'06	8.67828 AU	evening set	-1122 Mar 27 j 18:41	10°♁53'18	
direct	-1129 Sep 27 j 15:35	12°♁38'23					
evening set	-1128 Jan 05 j 06:34	19°♁55'27		conjunction	-1122 Apr 14 j 15:20	13°♁13'38	-2°-13'-30
				minimum elong	-1122 Apr 14 j 15:22	13°♁13'38	2°13'31
conjunction	-1128 Jan 22 j 04:37	21°♁59'47	-1°-1'-29	max. Earth dist.	-1122 Apr 14 j 20:51	13°♁15'27	9.95669 AU
minimum elong	-1128 Jan 22 j 04:34	21°♁59'46	1°01'30	morning rise	-1122 May 02 j 15:25	15°♁35'02	
max. Earth dist.	-1128 Jan 21 j 19:20	21°♁56'55	10.61245 AU	retrograde	-1122 Aug 17 j 19:13	24°♁05'50	
morning rise	-1128 Feb 08 j 07:05	24°♁05'30		opposition	-1122 Oct 23 j 23:32	20°♁35'00	-2°-39'-8
	-1128 Apr 06 j 10:13	0°♁		min. Earth dist.	-1122 Oct 23 j 18:14	20°♁36'06	7.94086 AU
retrograde	-1128 May 23 j 18:09	1°♁48'24		direct	-1122 Dec 29 j 00:50	17°♁06'47	
	-1128 Jul 11 j 05:50	30°♁♁		evening set	-1121 Apr 12 j 02:02	25°♁25'03	
opposition	-1128 Aug 02 j 01:44	28°♁22'49	-1°-32'-42				
min. Earth dist.	-1128 Aug 02 j 08:27	28°♁21'31	8.54437 AU	conjunction	-1121 Apr 30 j 02:33	27°♁46'53	-1°-58'-53
direct	-1128 Oct 09 j 03:38	25°♁01'35		minimum elong	-1121 Apr 30 j 02:37	27°♁46'54	1°58'54
	-1128 Dec 27 j 01:44	0°♁		max. Earth dist.	-1121 Apr 30 j 10:57	27°♁49'40	9.93028 AU
evening set	-1127 Jan 16 j 23:26	2°♁27'20			-1121 May 17 j 00:11	0°♁	
				morning rise	-1121 May 18 j 05:21	0°♁09'26	
conjunction	-1127 Feb 03 j 00:32	4°♁34'22	-1°-27'-29	retrograde	-1121 Sep 01 j 16:43	8°♁38'28	
minimum elong	-1127 Feb 03 j 00:29	4°♁34'21	1°27'30	opposition	-1121 Nov 07 j 12:02	5°♁08'06	-2°-15'-56
max. Earth dist.	-1127 Feb 02 j 17:33	4°♁32'11	10.47643 AU	min. Earth dist.	-1121 Nov 07 j 04:48	5°♁09'37	7.93142 AU
morning rise	-1127 Feb 20 j 06:21	6°♁42'54		direct	-1120 Jan 12 j 18:09	1°♁39'10	
retrograde	-1127 Jun 06 j 12:51	14°♁37'11		evening set	-1120 Apr 26 j 12:37	10°♁00'04	
opposition	-1127 Aug 15 j 09:42	11°♁10'02	-2°-3'-5				
min. Earth dist.	-1127 Aug 15 j 14:29	11°♁09'05	8.40857 AU	conjunction	-1120 May 14 j 16:10	12°♁22'35	-1°-36'-39
direct	-1127 Oct 21 j 22:16	7°♁47'38		minimum elong	-1120 May 14 j 16:14	12°♁22'36	1°36'40
	-1126 Jan 27 j 01:19	15°♁		max. Earth dist.	-1120 May 15 j 02:54	12°♁26'07	9.93874 AU
evening set	-1126 Jan 30 j 04:07	15°♁23'06		morning rise	-1120 Jun 01 j 20:33	14°♁45'21	

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Attention, astronomical year style is used: The year -1120 in astronomical counting style is the year 1121 BCE in historical counting style.

	-1120 Jun 03 j 18:05	15°♄		conjunction	-1114 Aug 09 j 08:30	5°♄06'16	1°28'12
retrograde	-1120 Sep 15 j 09:37	23°♄09'08		minimum elong	-1114 Aug 09 j 08:27	5°♄06'15	1°28'13
opposition	-1120 Nov 20 j 23:03	19°♄39'36	-1°-44'-4	max. Earth dist.	-1114 Aug 09 j 13:57	5°♄07'57	10.52047 AU
min. Earth dist.	-1120 Nov 20 j 14:18	19°♄41'26	7.95655 AU	morning rise	-1114 Aug 26 j 17:22	7°♄14'15	
direct	-1119 Jan 26 j 13:31	16°♄10'11		retrograde	-1114 Dec 04 j 16:41	14°♄38'07	
evening set	-1119 May 11 j 22:54	24°♄30'50		opposition	-1113 Feb 10 j 04:14	11°♄17'22	2°02'43
				min. Earth dist.	-1113 Feb 09 j 23:21	11°♄18'19	8.58658 AU
conjunction	-1119 May 30 j 04:05	26°♄53'04	-1°-8'-26	direct	-1113 Apr 21 j 05:32	7°♄50'55	
minimum elong	-1119 May 30 j 04:08	26°♄53'05	1°08'26		-1113 Jul 31 j 11:43	15°♄	
max. Earth dist.	-1119 May 30 j 16:12	26°♄57'02	9.98106 AU	evening set	-1113 Aug 05 j 00:39	15°♄32'19	
morning rise	-1119 Jun 17 j 08:33	29°♄15'03					
	-1119 Jun 23 j 05:56	0°♄		conjunction	-1113 Aug 22 j 09:05	17°♄38'33	1°50'03
retrograde	-1119 Sep 29 j 20:04	7°♄30'46		minimum elong	-1113 Aug 22 j 09:02	17°♄38'32	1°50'04
opposition	-1119 Dec 05 j 06:44	4°♄02'23	-1°-5'-58	max. Earth dist.	-1113 Aug 22 j 13:28	17°♄39'53	10.65142 AU
min. Earth dist.	-1119 Dec 04 j 21:15	4°♄04'21	8.01388 AU	morning rise	-1113 Sep 08 j 12:24	19°♄43'15	
direct	-1118 Feb 10 j 07:56	0°♄32'44		retrograde	-1113 Dec 17 j 00:42	26°♄58'26	
evening set	-1118 May 27 j 05:25	8°♄50'30		opposition	-1112 Feb 22 j 22:25	23°♄38'56	2°25'58
				min. Earth dist.	-1112 Feb 22 j 19:05	23°♄39'35	8.71539 AU
conjunction	-1118 Jun 14 j 10:26	11°♄11'27	0°-36'-18	direct	-1112 May 03 j 11:03	20°♄13'39	
minimum elong	-1118 Jun 14 j 10:28	11°♄11'27	0°36'18	evening set	-1112 Aug 16 j 19:36	27°♄46'23	
max. Earth dist.	-1118 Jun 14 j 22:50	11°♄15'28	10.05330 AU				
morning rise	-1118 Jul 02 j 13:20	13°♄31'42		conjunction	-1112 Sep 02 j 22:49	29°♄49'33	2°06'20
retrograde	-1118 Oct 13 j 23:18	21°♄37'29		minimum elong	-1112 Sep 02 j 22:47	29°♄49'32	2°06'21
opposition	-1118 Dec 19 j 09:26	18°♄10'29	0°-24'-30	max. Earth dist.	-1112 Sep 03 j 01:30	29°♄50'21	10.77570 AU
min. Earth dist.	-1118 Dec 19 j 00:23	18°♄12'21	8.09842 AU		-1112 Sep 04 j 09:28	0°♄	
direct	-1117 Feb 24 j 23:28	14°♄40'56		morning rise	-1112 Sep 19 j 21:01	1°♄51'16	
evening set	-1117 Jun 11 j 05:14	22°♄53'42		retrograde	-1112 Dec 28 j 02:04	8°♄59'00	
				opposition	-1111 Mar 06 j 10:45	5°♄40'35	2°42'04
conjunction	-1117 Jun 29 j 08:21	25°♄12'32	0°-2'-35	min. Earth dist.	-1111 Mar 06 j 09:37	5°♄40'47	8.83483 AU
minimum elong	-1117 Jun 29 j 08:21	25°♄12'32	0°02'36	direct	-1111 May 16 j 09:08	2°♄16'28	
behind sun begin	-1117 Jun 29 j 01:01	25°♄10'12		evening set	-1111 Aug 29 j 04:14	9°♄40'59	
behind sun end	-1117 Jun 29 j 15:41	25°♄14'51					
max. Earth dist.	-1117 Jun 29 j 19:39	25°♄16'08	10.14943 AU	conjunction	-1111 Sep 15 j 02:39	11°♄41'27	2°16'46
morning rise	-1117 Jul 17 j 08:11	27°♄30'18		minimum elong	-1111 Sep 15 j 02:37	11°♄41'27	2°16'46
asc. node	-1117 Jul 27 j 21:45	28°♄48'41		max. Earth dist.	-1111 Sep 15 j 02:47	11°♄41'30	10.88812 AU
	-1117 Aug 06 j 22:33	0°♄		morning rise	-1111 Oct 01 j 20:37	13°♄40'37	
retrograde	-1117 Oct 27 j 17:57	5°♄25'18		retrograde	-1110 Jan 08 j 21:19	20°♄42'20	
opposition	-1116 Jan 02 j 06:07	1°♄59'54	0°17'25	opposition	-1110 Mar 18 j 18:10	17°♄24'43	2°50'57
min. Earth dist.	-1116 Jan 01 j 22:21	2°♄01'28	8.20393 AU	min. Earth dist.	-1110 Mar 18 j 19:05	17°♄24'32	8.94006 AU
	-1116 Jan 28 j 11:43	30°♄		direct	-1110 May 28 j 23:37	14°♄01'48	
direct	-1116 Mar 10 j 10:22	28°♄30'45		evening set	-1110 Sep 10 j 03:26	21°♄18'45	
	-1116 Apr 21 j 03:22	0°♄					
evening set	-1116 Jun 24 j 20:16	6°♄37'01		conjunction	-1110 Sep 26 j 21:52	23°♄17'00	2°21'19
				minimum elong	-1110 Sep 26 j 21:52	23°♄16'59	2°21'18
conjunction	-1116 Jul 12 j 19:56	8°♄53'05	0°30'40	max. Earth dist.	-1110 Sep 26 j 19:34	23°♄16'19	10.98434 AU
minimum elong	-1116 Jul 12 j 19:55	8°♄53'05	0°30'41	morning rise	-1110 Oct 13 j 12:35	25°♄14'09	
max. Earth dist.	-1116 Jul 13 j 05:14	8°♄56'02	10.26326 AU		-1110 Nov 29 j 13:27	0°♄	
morning rise	-1116 Jul 30 j 15:31	11°♄07'51		retrograde	-1109 Jan 20 j 12:18	2°♄11'21	
retrograde	-1116 Nov 09 j 02:19	18°♄51'57			-1109 Mar 15 j 21:30	30°♄	
opposition	-1115 Jan 14 j 20:18	15°♄28'12	0°57'14	opposition	-1109 Mar 30 j 21:17	28°♄54'15	2°52'46
min. Earth dist.	-1115 Jan 14 j 13:48	15°♄29'31	8.32448 AU	min. Earth dist.	-1109 Mar 30 j 23:16	28°♄53'53	9.02704 AU
direct	-1115 Mar 24 j 16:37	11°♄59'45		direct	-1109 Jun 10 j 08:35	25°♄32'29	
evening set	-1115 Jul 09 j 01:08	19°♄58'22			-1109 Aug 27 j 22:42	0°♄	
				evening set	-1109 Sep 21 j 18:58	2°♄42'49	
conjunction	-1115 Jul 26 j 20:09	22°♄11'15	1°01'24				
minimum elong	-1115 Jul 26 j 20:07	22°♄11'14	1°01'25	conjunction	-1109 Oct 08 j 10:29	4°♄39'23	2°20'10
max. Earth dist.	-1115 Jul 27 j 03:21	22°♄13'30	10.38896 AU	minimum elong	-1109 Oct 08 j 10:29	4°♄39'23	2°20'09
morning rise	-1115 Aug 13 j 10:36	24°♄22'41		max. Earth dist.	-1109 Oct 08 j 07:03	4°♄38'22	11.06082 AU
	-1115 Oct 05 j 23:54	0°♄		morning rise	-1109 Oct 24 j 22:45	6°♄35'02	
retrograde	-1115 Nov 22 j 00:53	1°♄56'16		retrograde	-1108 Feb 01 j 03:15	13°♄29'13	
	-1114 Jan 09 j 11:34	30°♄		opposition	-1108 Apr 10 j 21:06	10°♄12'27	2°47'51
opposition	-1114 Jan 28 j 03:37	28°♄34'06	1°32'50	min. Earth dist.	-1108 Apr 11 j 00:08	10°♄11'53	9.09261 AU
min. Earth dist.	-1114 Jan 27 j 22:04	28°♄35'12	8.45415 AU	direct	-1108 Jun 21 j 10:55	6°♄51'45	
direct	-1114 Apr 07 j 15:35	25°♄06'33		evening set	-1108 Oct 02 j 04:29	13°♄56'35	
	-1114 Jun 27 j 04:54	0°♄					
evening set	-1114 Jul 22 j 18:44	2°♄56'45		conjunction	-1108 Oct 18 j 17:56	15°♄52'01	2°13'37
				minimum elong	-1108 Oct 18 j 17:58	15°♄52'01	2°13'37



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Attention, astronomical year style is used: The year -1108 in astronomical counting style is the year 1109 BCE in historical counting style.

max. Earth dist.	-1108 Oct 18 j 13:27	15°♁50'42	11.11489 AU	behind sun begin	-1102 Dec 23 j 20:00	23°♁02'05	
morning rise	-1108 Nov 04 j 04:43	17°♁46'44		behind sun end	-1102 Dec 24 j 08:25	23°♁05'45	
retrograde	-1107 Feb 11 j 15:20	24°♁39'28		max. Earth dist.	-1102 Dec 23 j 16:25	23°♁01'00	10.92522 AU
opposition	-1107 Apr 22 j 19:10	21°♁22'47	2°36'37	morning rise	-1101 Jan 09 j 21:03	25°♁03'29	
min. Earth dist.	-1107 Apr 22 j 23:50	21°♁21'56	9.13462 AU		-1101 Feb 27 j 04:35	0°♁	
direct	-1107 Jul 03 j 07:09	18°♁03'03		desc. node	-1101 Apr 10 j 23:50	2°♁13'36	
evening set	-1107 Oct 13 j 09:34	25°♁03'38		retrograde	-1101 Apr 23 j 05:10	2°♁20'55	
					-1101 Jun 19 j 12:46	30°♁♁	
conjunction	-1107 Oct 29 j 21:40	26°♁58'25	2°02'04	opposition	-1101 Jul 03 j 04:13	28°♁59'45	0°-7'-48
minimum elong	-1107 Oct 29 j 21:43	26°♁58'26	2°02'04	min. Earth dist.	-1101 Jul 03 j 12:20	28°♁58'14	8.87293 AU
max. Earth dist.	-1107 Oct 29 j 15:07	26°♁56'30	11.14481 AU	direct	-1101 Sep 10 j 15:39	25°♁41'17	
morning rise	-1107 Nov 15 j 08:06	28°♁52'46			-1101 Nov 24 j 05:11	0°♁	
	-1107 Nov 25 j 07:25	0°♁		evening set	-1101 Dec 19 j 03:40	2°♁47'38	
retrograde	-1106 Feb 23 j 04:32	5°♁45'40					
opposition	-1106 May 04 j 16:23	2°♁28'50	2°19'38	conjunction	-1100 Jan 04 j 21:58	4°♁48'19	0°-20'-38
min. Earth dist.	-1106 May 04 j 22:51	2°♁27'39	9.15178 AU	minimum elong	-1100 Jan 04 j 21:58	4°♁48'19	0°20'40
	-1106 Jun 11 j 23:55	30°♁♁		max. Earth dist.	-1100 Jan 04 j 13:29	4°♁45'45	10.81776 AU
direct	-1106 Jul 15 j 01:43	29°♁09'52		morning rise	-1100 Jan 21 j 19:35	6°♁50'05	
	-1106 Aug 16 j 13:25	0°♁		retrograde	-1100 May 05 j 01:04	14°♁16'45	
evening set	-1106 Oct 24 j 12:11	6°♁07'35		opposition	-1100 Jul 14 j 19:11	10°♁54'08	0°-43'-21
				min. Earth dist.	-1100 Jul 15 j 02:00	10°♁52'51	8.75797 AU
conjunction	-1106 Nov 09 j 23:50	8°♁02'16	1°45'58	direct	-1100 Sep 21 j 17:00	7°♁35'03	
minimum elong	-1106 Nov 09 j 23:53	8°♁02'17	1°45'58	evening set	-1100 Dec 30 j 05:34	14°♁47'48	
max. Earth dist.	-1106 Nov 09 j 15:43	7°♁59'54	11.14963 AU				
morning rise	-1106 Nov 26 j 10:49	9°♁56'47		conjunction	-1099 Jan 16 j 02:22	16°♁50'44	0°-49'-14
	-1105 Jan 17 j 04:00	15°♁		minimum elong	-1099 Jan 16 j 02:20	16°♁50'44	0°49'16
retrograde	-1105 Mar 06 j 18:22	16°♁51'25		max. Earth dist.	-1099 Jan 15 j 18:49	16°♁48'26	10.69640 AU
	-1105 Apr 26 j 08:13	15°♁♁		morning rise	-1099 Feb 02 j 03:01	18°♁54'56	
opposition	-1105 May 16 j 13:36	13°♁34'10	1°57'28	retrograde	-1099 May 18 j 05:39	26°♁31'53	
min. Earth dist.	-1105 May 16 j 20:48	13°♁32'51	9.14346 AU	opposition	-1099 Jul 27 j 16:25	23°♁07'43	-1°-17'-59
direct	-1105 Jul 26 j 17:15	10°♁15'46		min. Earth dist.	-1099 Jul 27 j 22:03	23°♁06'38	8.63153 AU
	-1105 Oct 15 j 13:23	15°♁		direct	-1099 Oct 04 j 00:27	19°♁47'43	
evening set	-1105 Nov 04 j 14:01	17°♁12'06		evening set	-1098 Jan 11 j 17:14	27°♁08'19	
conjunction	-1105 Nov 21 j 02:06	19°♁07'10	1°25'52	conjunction	-1098 Jan 28 j 16:45	29°♁13'46	-1°-16'-17
minimum elong	-1105 Nov 21 j 02:08	19°♁07'11	1°25'51	minimum elong	-1098 Jan 28 j 16:42	29°♁13'45	1°16'19
max. Earth dist.	-1105 Nov 20 j 17:47	19°♁04'44	11.12901 AU	max. Earth dist.	-1098 Jan 28 j 09:31	29°♁11'32	10.56568 AU
morning rise	-1105 Dec 07 j 14:09	21°♁02'18			-1098 Feb 03 j 22:00	0°♁	
retrograde	-1104 Mar 17 j 13:35	28°♁00'20		morning rise	-1098 Feb 14 j 20:46	1°♁20'39	
opposition	-1104 May 27 j 12:19	24°♁42'25	1°30'49	retrograde	-1098 May 31 j 20:00	9°♁08'30	
min. Earth dist.	-1104 May 27 j 19:28	24°♁41'06	9.10980 AU	opposition	-1098 Aug 09 j 20:27	5°♁42'47	-1°-50'00
direct	-1104 Aug 06 j 09:39	21°♁24'24		min. Earth dist.	-1098 Aug 10 j 01:24	5°♁41'50	8.49828 AU
evening set	-1104 Nov 14 j 17:00	28°♁20'49		direct	-1098 Oct 16 j 14:00	2°♁21'40	
	-1104 Nov 28 j 21:10	0°♁♁		evening set	-1097 Jan 24 j 15:56	9°♁51'23	
conjunction	-1104 Dec 01 j 05:59	0°♁16'43	1°02'23	conjunction	-1097 Feb 10 j 18:29	11°♁59'31	-1°-40'-21
minimum elong	-1104 Dec 01 j 06:01	0°♁16'44	1°02'22	minimum elong	-1097 Feb 10 j 18:26	11°♁59'31	1°40'23
max. Earth dist.	-1104 Nov 30 j 21:28	0°♁14'13	11.08352 AU	max. Earth dist.	-1097 Feb 10 j 11:46	11°♁57'25	10.43070 AU
morning rise	-1104 Dec 17 j 19:44	2°♁12'55		morning rise	-1097 Feb 28 j 02:02	14°♁09'15	
retrograde	-1103 Mar 29 j 13:44	9°♁15'55			-1097 Mar 07 j 00:37	15°♁	
opposition	-1103 Jun 08 j 13:44	5°♁57'07	1°00'26	retrograde	-1097 Jun 14 j 18:07	22°♁08'14	
min. Earth dist.	-1103 Jun 08 j 21:19	5°♁55'44	9.05198 AU	opposition	-1097 Aug 23 j 07:30	18°♁41'04	-2°-17'-32
direct	-1103 Aug 18 j 00:21	2°♁39'14		min. Earth dist.	-1097 Aug 23 j 11:45	18°♁40'13	8.36409 AU
evening set	-1103 Nov 25 j 23:11	9°♁37'21		direct	-1097 Oct 29 j 12:16	15°♁18'39	
				evening set	-1096 Feb 07 j 02:21	22°♁58'24	
conjunction	-1103 Dec 12 j 13:27	11°♁34'28	0°36'14	conjunction	-1096 Feb 24 j 08:26	25°♁09'24	-1°-59'-53
minimum elong	-1103 Dec 12 j 13:28	11°♁34'28	0°36'13	minimum elong	-1096 Feb 24 j 08:23	25°♁09'23	1°59'55
max. Earth dist.	-1103 Dec 12 j 03:52	11°♁31'38	11.01481 AU	max. Earth dist.	-1096 Feb 24 j 03:46	25°♁07'55	10.29834 AU
morning rise	-1103 Dec 29 j 05:34	13°♁32'11		morning rise	-1096 Mar 12 j 19:36	27°♁22'02	
retrograde	-1102 Apr 10 j 17:06	20°♁41'40			-1096 Apr 03 j 18:31	0°♁	
opposition	-1102 Jun 20 j 18:42	17°♁21'47	0°27'12	retrograde	-1096 Jun 28 j 00:15	5°♁31'38	
min. Earth dist.	-1102 Jun 21 j 02:56	17°♁20'15	8.97211 AU	opposition	-1096 Sep 05 j 01:42	2°♁03'07	-2°-38'-36
direct	-1102 Aug 29 j 17:19	14°♁03'44		min. Earth dist.	-1096 Sep 05 j 04:14	2°♁02'36	8.23661 AU
evening set	-1102 Dec 07 j 10:08	21°♁05'10			-1096 Oct 02 j 13:52	30°♁♁	
conjunction	-1102 Dec 24 j 02:13	23°♁03'55	0°08'17	direct	-1096 Nov 10 j 20:14	28°♁39'21	
minimum elong	-1102 Dec 24 j 02:13	23°♁03'55	0°08'16		-1096 Dec 19 j 05:41	0°♁	

Planetary Phenomena of Saturn from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 26

Attention, astronomical year style is used: The year -1095 in astronomical counting style is the year 1096 BCE in historical counting style.

evening set	-1095 Feb 20 j 00:42	6°✠29'19				-1090 Oct 28 j 06:03	30°R☞	
conjunction	-1095 Mar 09 j 10:47	8°✠43'13	-2°-13'-23		opposition	-1090 Nov 29 j 00:58	27°♃36'18	-1°-24'-29
minimum elong	-1095 Mar 09 j 10:46	8°✠43'13	2°13'24		min. Earth dist.	-1090 Nov 28 j 17:36	27°♃37'50	7.97830 AU
max. Earth dist.	-1095 Mar 09 j 09:04	8°✠42'40	10.17667 AU		direct	-1089 Feb 03 j 21:04	24°♃06'12	
morning rise	-1095 Mar 27 j 01:40	10°♃58'41				-1089 Apr 30 j 21:37	0°♄	
retrograde	-1095 Jul 12 j 13:38	19°♃17'27			evening set	-1089 May 20 j 12:21	2°♄25'23	
opposition	-1095 Sep 19 j 02:16	15°♃47'48	-2°-51'-20		conjunction	-1089 Jun 07 j 17:32	4°♄47'04	0°-51'-46
min. Earth dist.	-1095 Sep 19 j 02:26	15°♃47'46	8.12375 AU		minimum elong	-1089 Jun 07 j 17:35	4°♄47'05	0°51'46
direct	-1095 Nov 24 j 12:19	12°♃22'38			max. Earth dist.	-1089 Jun 08 j 03:39	4°♄50'22	10.00845 AU
evening set	-1094 Mar 06 j 10:42	20°♃22'21			morning rise	-1089 Jun 25 j 21:36	7°♄08'19	
conjunction	-1094 Mar 24 j 01:02	22°♃39'01	-2°-19'-30		retrograde	-1089 Oct 07 j 19:04	15°♄18'58	
minimum elong	-1094 Mar 24 j 01:02	22°♃39'01	2°19'32		opposition	-1089 Dec 13 j 05:47	11°♄50'47	0°-44'-16
max. Earth dist.	-1094 Mar 24 j 02:22	22°♃39'27	10.07346 AU		min. Earth dist.	-1089 Dec 12 j 21:45	11°♄52'26	8.04608 AU
morning rise	-1094 Apr 10 j 19:38	24°♃57'05			direct	-1088 Feb 18 j 14:32	8°♄20'34	
retrograde	-1094 Jul 27 j 09:13	3°♃22'36			evening set	-1088 Jun 03 j 15:13	16°♄36'00	
opposition	-1094 Oct 03 j 07:58	29°♃52'08	-2°-54'-12		conjunction	-1088 Jun 21 j 19:28	18°♄56'02	0°-18'-31
min. Earth dist.	-1094 Oct 03 j 05:43	29°♃52'36	8.03272 AU		minimum elong	-1088 Jun 21 j 19:29	18°♄56'02	0°18'32
direct	-1094 Dec 08 j 11:48	26°♃25'36			max. Earth dist.	-1088 Jun 22 j 05:51	18°♄59'23	10.09055 AU
evening set	-1093 Mar 21 j 06:39	4°♃33'53			morning rise	-1088 Jul 09 j 21:12	21°♄15'12	
conjunction	-1093 Apr 08 j 01:18	6°♃52'58	-2°-17'-22		retrograde	-1088 Oct 20 j 16:48	29°♄15'33	
minimum elong	-1093 Apr 08 j 01:20	6°♃52'58	2°17'23		opposition	-1088 Dec 26 j 05:01	25°♄48'49	0°-2'-14
max. Earth dist.	-1093 Apr 08 j 05:30	6°♃54'21	9.99554 AU		min. Earth dist.	-1088 Dec 25 j 20:30	25°♄50'34	8.14022 AU
morning rise	-1093 Apr 25 j 23:31	9°♃13'14			asc. node	-1087 Jan 15 j 12:27	24°♄12'48	
retrograde	-1093 Aug 11 j 07:33	17°♃42'24			direct	-1087 Mar 04 j 04:15	22°♄18'53	
opposition	-1093 Oct 17 j 17:35	14°♃11'33	-2°-46'-22		evening set	-1087 Jun 14 j 14:35	0°♄	
min. Earth dist.	-1093 Oct 17 j 13:10	14°♃12'28	7.96956 AU		conjunction	-1087 Jul 06 j 12:05	2°♄46'08	0°15'13
direct	-1093 Dec 22 j 19:14	10°♃43'46			minimum elong	-1087 Jul 06 j 12:04	2°♄46'07	0°15'13
evening set	-1092 Apr 04 j 10:08	18°♃58'39			behind sun begin	-1087 Jul 06 j 10:03	2°♄45'29	
conjunction	-1092 Apr 22 j 08:53	21°♃19'38	-2°-6'-40		behind sun end	-1087 Jul 06 j 14:06	2°♄46'46	
minimum elong	-1092 Apr 22 j 08:56	21°♃19'39	2°06'41		max. Earth dist.	-1087 Jul 06 j 22:29	2°♄49'26	10.19591 AU
max. Earth dist.	-1092 Apr 22 j 15:24	21°♃21'46	9.94818 AU		morning rise	-1087 Jul 24 j 09:58	5°♄02'30	
morning rise	-1092 May 10 j 10:17	23°♃41'29			retrograde	-1087 Nov 03 j 05:35	12°♄51'57	
retrograde	-1092 Jul 06 j 10:39	0°♃			opposition	-1086 Jan 08 j 22:08	9°♄26'51	0°38'51
opposition	-1092 Aug 25 j 05:25	2°♃10'48			min. Earth dist.	-1086 Jan 08 j 13:53	9°♄28'31	8.25467 AU
min. Earth dist.	-1092 Oct 14 j 18:55	30°R♃			direct	-1086 Mar 18 j 12:27	5°♄57'31	
direct	-1092 Oct 31 j 05:00	28°♃39'59	-2°-27'-54		evening set	-1086 Jul 02 j 19:57	13°♄59'58	
evening set	-1091 Jan 05 j 08:56	25°♃11'09			conjunction	-1086 Jul 20 j 17:30	16°♄14'30	0°47'17
conjunction	-1091 Mar 22 j 01:49	0°♃			minimum elong	-1086 Jul 20 j 17:28	16°♄14'29	0°47'18
minimum elong	-1091 Apr 19 j 18:37	3°♃30'12			max. Earth dist.	-1086 Jul 21 j 03:15	16°♄17'34	10.31800 AU
max. Earth dist.	-1091 May 07 j 20:48	5°♃52'21	-1°-47'-53		morning rise	-1086 Aug 07 j 10:26	18°♄27'36	
morning rise	-1091 May 07 j 20:52	5°♃52'22	1°47'54		retrograde	-1086 Nov 16 j 10:02	26°♄06'16	
retrograde	-1091 May 08 j 04:58	5°♃55'02	9.93449 AU		opposition	-1085 Jan 22 j 08:32	22°♄42'51	1°16'39
morning rise	-1091 Jul 26 j 00:31	8°♃14'58			min. Earth dist.	-1085 Jan 22 j 01:23	22°♄44'17	8.38271 AU
retrograde	-1091 Jul 27 j 18:41	15°♃			direct	-1085 Apr 01 j 12:42	19°♄14'26	
opposition	-1091 Sep 09 j 00:00	16°♃40'52			evening set	-1085 Jul 16 j 18:40	27°♄08'42	
min. Earth dist.	-1091 Oct 22 j 15:41	15°R♃			conjunction	-1085 Aug 03 j 11:10	29°♄19'54	1°16'05
direct	-1091 Nov 14 j 16:04	13°♃10'34	-1°-59'-55		minimum elong	-1085 Aug 03 j 11:07	29°♄19'53	1°16'05
evening set	-1090 Jan 20 j 02:30	9°♃40'56			max. Earth dist.	-1085 Aug 03 j 19:18	29°♄22'26	10.44995 AU
conjunction	-1090 Apr 10 j 14:22	15°♃			morning rise	-1085 Aug 08 j 20:04	0°♄	
minimum elong	-1090 May 05 j 04:34	18°♃01'26			retrograde	-1085 Aug 20 j 22:39	1°♄29'34	
max. Earth dist.	-1090 May 23 j 09:02	20°♃23'51	-1°-22'-18		opposition	-1085 Nov 29 j 05:30	8°♄58'00	
morning rise	-1090 May 23 j 09:05	20°♃23'52	1°22'18		min. Earth dist.	-1084 Feb 04 j 12:00	5°♄36'15	1°49'21
retrograde	-1090 May 23 j 18:23	20°♃26'55	9.95514 AU		direct	-1084 Feb 04 j 06:37	5°♄37'19	8.51738 AU
morning rise	-1090 Jun 10 j 13:43	22°♃46'16			evening set	-1084 Apr 14 j 05:46	2°♄08'58	
retrograde	-1090 Aug 20 j 01:12	0°♄			conjunction	-1084 Jul 29 j 06:05	9°♄54'37	
conjunction	-1090 Sep 23 j 12:53	1°♄05'42			minimum elong	-1084 Aug 15 j 17:05	12°♄02'27	1°40'21
opposition					max. Earth dist.	-1084 Aug 15 j 17:02	12°♄02'26	1°40'22
min. Earth dist.					morning rise	-1084 Aug 15 j 22:40	12°♄04'10	10.58485 AU
direct					retrograde	-1084 Sep 01 j 23:05	14°♄08'44	
evening set					opposition	-1084 Sep 09 j 03:35	15°♄	

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Attention, astronomical year style is used: The year -1084 in astronomical counting style is the year 1085 BCE in historical counting style.

retrograde	-1084 Dec 10 j 15:31	21°♄27'55		retrograde	-1077 Feb 18 j 06:28	0°♄52'32	
opposition	-1083 Feb 16 j 09:02	18°♄07'43	2°15'47		-1077 Mar 23 j 19:38	30°♄	
min. Earth dist.	-1083 Feb 16 j 05:06	18°♄08'29	8.65175 AU	opposition	-1077 Apr 29 j 13:43	27°♄36'15	2°28'01
	-1083 Apr 08 j 11:45	15°♄		min. Earth dist.	-1077 Apr 29 j 19:08	27°♄35'16	9.15506 AU
direct	-1083 Apr 27 j 16:10	14°♄41'44		direct	-1077 Jul 10 j 01:11	24°♄17'23	
	-1083 May 16 j 19:33	15°♄			-1077 Oct 08 j 09:53	0°♄	
evening set	-1083 Aug 11 j 06:12	22°♄18'41		evening set	-1077 Oct 19 j 18:54	1°♄16'23	
conjunction	-1083 Aug 28 j 11:44	24°♄23'17	1°59'17	conjunction	-1077 Nov 05 j 06:49	3°♄11'03	1°53'50
minimum elong	-1083 Aug 28 j 11:41	24°♄23'16	1°59'19	minimum elong	-1077 Nov 05 j 06:52	3°♄11'04	1°53'49
max. Earth dist.	-1083 Aug 28 j 15:03	24°♄24'17	10.71615 AU	max. Earth dist.	-1077 Nov 04 j 23:32	3°♄08'56	11.15744 AU
morning rise	-1083 Sep 14 j 12:28	26°♄26'25		morning rise	-1077 Nov 21 j 17:18	5°♄05'24	
	-1083 Oct 16 j 19:17	0°♄		retrograde	-1076 Feb 29 j 21:10	11°♄59'08	
retrograde	-1083 Dec 22 j 19:43	3°♄37'38		opposition	-1076 May 10 j 11:10	8°♄42'31	2°08'11
opposition	-1082 Mar 01 j 00:03	0°♄18'45	2°35'16	min. Earth dist.	-1076 May 10 j 18:19	8°♄41'13	9.15576 AU
min. Earth dist.	-1082 Feb 28 j 21:08	0°♄19'18	8.77952 AU	direct	-1076 Jul 20 j 17:00	5°♄24'15	
	-1082 Mar 05 j 02:10	30°♄		evening set	-1076 Oct 29 j 21:32	12°♄21'15	
direct	-1082 May 10 j 18:54	26°♄54'11		conjunction	-1076 Nov 15 j 09:18	14°♄16'05	1°35'30
	-1082 Jul 13 j 13:03	0°♄		minimum elong	-1076 Nov 15 j 09:20	14°♄16'06	1°35'30
evening set	-1082 Aug 23 j 19:37	4°♄22'39		max. Earth dist.	-1076 Nov 14 j 23:55	14°♄13'21	11.14508 AU
conjunction	-1082 Sep 09 j 20:16	6°♄24'22	2°12'29		-1076 Nov 21 j 15:39	15°♄	
minimum elong	-1082 Sep 09 j 20:14	6°♄24'22	2°12'29	morning rise	-1076 Dec 01 j 20:42	16°♄10'53	
max. Earth dist.	-1082 Sep 09 j 22:13	6°♄24'57	10.83806 AU	retrograde	-1075 Mar 12 j 13:30	23°♄07'19	
morning rise	-1082 Sep 26 j 16:15	8°♄24'43		opposition	-1075 May 22 j 09:46	19°♄50'03	1°43'31
retrograde	-1081 Jan 03 j 19:19	15°♄29'16		min. Earth dist.	-1075 May 22 j 18:30	19°♄48'27	9.12976 AU
opposition	-1081 Mar 13 j 09:44	12°♄11'29	2°47'31	direct	-1075 Aug 01 j 09:16	16°♄32'05	
min. Earth dist.	-1081 Mar 13 j 08:08	12°♄11'47	8.89522 AU	evening set	-1075 Nov 10 j 00:13	23°♄28'33	
direct	-1081 May 23 j 11:42	8°♄48'19		conjunction	-1075 Nov 26 j 12:36	25°♄24'03	1°13'30
evening set	-1081 Sep 04 j 23:22	16°♄08'52		minimum elong	-1075 Nov 26 j 12:38	25°♄24'04	1°13'29
conjunction	-1081 Sep 21 j 19:48	18°♄08'09	2°19'46	max. Earth dist.	-1075 Nov 26 j 01:56	25°♄20'55	11.10669 AU
minimum elong	-1081 Sep 21 j 19:46	18°♄08'09	2°19'46	morning rise	-1075 Dec 13 j 01:38	27°♄19'46	
max. Earth dist.	-1081 Sep 21 j 20:19	18°♄08'18	10.94553 AU		-1074 Jan 06 j 13:03	0°♄	
morning rise	-1081 Oct 08 j 11:52	20°♄06'12		retrograde	-1074 Mar 24 j 10:09	4°♄20'31	
retrograde	-1080 Jan 15 j 13:12	27°♄05'29		opposition	-1074 Jun 03 j 10:16	1°♄02'16	1°14'45
opposition	-1080 Mar 24 j 15:02	23°♄48'32	2°52'36	min. Earth dist.	-1074 Jun 03 j 19:35	1°♄00'34	9.07840 AU
min. Earth dist.	-1080 Mar 24 j 15:43	23°♄48'25	8.99414 AU		-1074 Jun 17 j 19:01	30°♄	
direct	-1080 Jun 03 j 22:42	20°♄26'40		direct	-1074 Aug 13 j 01:48	27°♄44'20	
evening set	-1080 Sep 15 j 18:56	27°♄40'10		evening set	-1074 Oct 05 j 17:13	0°♄	
conjunction	-1080 Oct 02 j 11:45	29°♄37'28	2°21'15		-1074 Nov 21 j 05:04	4°♄41'50	
minimum elong	-1080 Oct 02 j 11:46	29°♄37'28	2°21'14	conjunction	-1074 Dec 07 j 18:47	6°♄38'25	0°48'29
max. Earth dist.	-1080 Oct 02 j 09:40	29°♄36'51	11.03430 AU	minimum elong	-1074 Dec 07 j 18:49	6°♄38'25	0°48'28
	-1080 Oct 05 j 16:15	0°♄		max. Earth dist.	-1074 Dec 07 j 08:30	6°♄35'22	11.04381 AU
morning rise	-1080 Oct 19 j 01:00	1°♄33'45		morning rise	-1074 Dec 24 j 09:48	8°♄35'28	
retrograde	-1079 Jan 26 j 04:28	8°♄29'15		retrograde	-1073 Apr 05 j 12:12	15°♄42'05	
opposition	-1079 Apr 05 j 16:48	5°♄12'51	2°50'45	opposition	-1073 Jun 15 j 13:35	12°♄22'36	0°42'43
min. Earth dist.	-1079 Apr 05 j 19:45	5°♄12'19	9.07244 AU	min. Earth dist.	-1073 Jun 15 j 22:23	12°♄20'58	9.00364 AU
direct	-1079 Jun 16 j 03:58	1°♄52'10		direct	-1073 Aug 24 j 19:16	9°♄04'27	
evening set	-1079 Sep 27 j 07:37	8°♄59'34		evening set	-1073 Dec 02 j 13:53	16°♄04'34	
conjunction	-1079 Oct 13 j 21:47	10°♄55'26	2°17'11	conjunction	-1073 Dec 19 j 05:15	18°♄02'38	0°21'14
minimum elong	-1079 Oct 13 j 21:48	10°♄55'26	2°17'10	minimum elong	-1073 Dec 19 j 05:16	18°♄02'38	0°21'13
max. Earth dist.	-1079 Oct 13 j 17:08	10°♄54'04	11.10102 AU	max. Earth dist.	-1073 Dec 18 j 19:09	17°♄59'38	10.95868 AU
morning rise	-1079 Oct 30 j 09:16	12°♄50'31		morning rise	-1072 Jan 04 j 22:41	20°♄01'25	
retrograde	-1078 Feb 06 j 16:17	19°♄43'47		retrograde	-1072 Apr 16 j 22:10	27°♄15'23	
opposition	-1078 Apr 17 j 16:01	16°♄27'36	2°42'23	opposition	-1072 Jun 26 j 21:12	23°♄54'31	0°08'22
min. Earth dist.	-1078 Apr 17 j 20:25	16°♄26'47	9.12695 AU	min. Earth dist.	-1072 Jun 27 j 05:37	23°♄52'56	8.90825 AU
direct	-1078 Jun 28 j 04:07	13°♄07'54		direct	-1072 Sep 04 j 14:40	20°♄35'54	
evening set	-1078 Oct 08 j 14:53	20°♄10'25		desc. node	-1072 Sep 24 j 12:09	20°♄55'58	
conjunction	-1078 Oct 25 j 03:31	22°♄05'24	2°07'53	evening set	-1072 Dec 13 j 04:21	27°♄40'13	
minimum elong	-1078 Oct 25 j 03:33	22°♄05'25	2°07'53	conjunction	-1072 Dec 29 j 21:36	29°♄40'07	0°-7'-26
max. Earth dist.	-1078 Oct 24 j 21:30	22°♄03'39	11.14273 AU	minimum elong	-1072 Dec 29 j 21:36	29°♄40'07	0°07'27
morning rise	-1078 Nov 10 j 14:05	23°♄59'50		behind sun begin	-1072 Dec 29 j 15:12	29°♄38'13	
	-1077 Jan 16 j 09:55	0°♄		behind sun end	-1072 Dec 30 j 04:01	29°♄42'02	

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Attention, astronomical year style is used: The year -1072 in astronomical counting style is the year 1073 BCE in historical counting style.

max. Earth dist.	-1072 Dec 29 j 11:10	29°♄37'00	10.85453 AU	minimum elong	-1065 Mar 17 j 18:42	16°♃33'41	2°17'45
	-1071 Jan 01 j 15:38	0°♄		max. Earth dist.	-1065 Mar 17 j 18:41	16°♃33'41	10.10432 AU
morning rise	-1071 Jan 15 j 17:56	1°♄41'00		morning rise	-1065 Apr 04 j 11:45	18°♃50'48	
retrograde	-1071 Apr 29 j 13:29	9°♄03'44		retrograde	-1065 Jul 21 j 02:53	27°♃14'10	
opposition	-1071 Jul 09 j 09:59	5°♄41'19	0°-27'-7	opposition	-1065 Sep 27 j 06:54	23°♃43'40	-2°-54'-15
min. Earth dist.	-1071 Jul 09 j 18:19	5°♄39'45	8.79587 AU	min. Earth dist.	-1065 Sep 27 j 05:25	23°♃43'58	8.05962 AU
direct	-1071 Sep 16 j 13:32	2°♄22'00		direct	-1065 Dec 02 j 12:05	20°♃17'26	
evening set	-1071 Dec 25 j 02:25	9°♄32'11		evening set	-1064 Mar 13 j 22:15	28°♃22'34	
					-1064 Mar 26 j 10:33	0°♄	
conjunction	-1070 Jan 10 j 21:58	11°♄34'14	0°-36'-17	conjunction	-1064 Mar 31 j 14:49	0°♄40'42	-2°-19'-23
minimum elong	-1070 Jan 10 j 21:57	11°♄34'14	0°36'18	minimum elong	-1064 Mar 31 j 14:49	0°♄40'42	2°19'25
max. Earth dist.	-1070 Jan 10 j 12:02	11°♄31'13	10.73529 AU	max. Earth dist.	-1064 Mar 31 j 17:43	0°♄41'39	10.01808 AU
morning rise	-1070 Jan 27 j 21:26	13°♄37'29		morning rise	-1064 Apr 18 j 11:35	3°♄00'11	
retrograde	-1070 May 12 j 13:05	21°♄10'11		retrograde	-1064 Aug 03 j 23:41	11°♄28'39	
opposition	-1070 Jul 22 j 04:27	17°♄46'09	-1°-2'-25	opposition	-1064 Oct 10 j 15:19	7°♄57'46	-2°-51'-15
min. Earth dist.	-1070 Jul 22 j 12:11	17°♄44'40	8.67086 AU	min. Earth dist.	-1064 Oct 10 j 11:51	7°♄58'29	7.98716 AU
direct	-1070 Sep 28 j 19:24	14°♄25'55		direct	-1064 Dec 15 j 17:45	4°♄30'25	
evening set	-1069 Jan 06 j 09:31	21°♄43'29		evening set	-1063 Mar 28 j 22:56	12°♄43'03	
conjunction	-1069 Jan 23 j 07:50	23°♄47'59	-1°-4'-14	conjunction	-1063 Apr 15 j 19:53	15°♄03'20	-2°-12'-30
minimum elong	-1069 Jan 23 j 07:47	23°♄47'58	1°04'15	minimum elong	-1063 Apr 15 j 19:55	15°♄03'21	2°12'31
max. Earth dist.	-1069 Jan 22 j 23:39	23°♄45'27	10.60558 AU	max. Earth dist.	-1063 Apr 16 j 01:59	15°♄05'21	9.96038 AU
morning rise	-1069 Feb 09 j 10:26	25°♄53'50		morning rise	-1063 May 03 j 20:04	17°♄24'41	
	-1069 Mar 18 j 10:16	0°♄		retrograde	-1063 Aug 18 j 21:34	25°♄54'51	
retrograde	-1069 May 25 j 23:14	3°♄37'21		opposition	-1063 Oct 25 j 02:31	22°♄24'00	-2°-37'-26
opposition	-1069 Aug 04 j 05:33	0°♄11'42	-1°-35'-54	min. Earth dist.	-1063 Oct 24 j 20:49	22°♄25'11	7.94523 AU
min. Earth dist.	-1069 Aug 04 j 11:34	0°♄10'32	8.53825 AU	direct	-1063 Dec 30 j 05:34	18°♄55'44	
	-1069 Aug 06 j 17:58	30°♄		evening set	-1062 Apr 13 j 06:01	27°♄13'37	
direct	-1069 Oct 11 j 06:41	26°♄50'26		conjunction	-1062 May 01 j 06:50	29°♄35'25	-1°-57'-12
	-1069 Dec 11 j 16:16	0°♄		minimum elong	-1062 May 01 j 06:54	29°♄35'26	1°57'13
evening set	-1068 Jan 19 j 03:03	4°♄16'38		max. Earth dist.	-1062 May 01 j 15:53	29°♄38'24	9.93529 AU
conjunction	-1068 Feb 05 j 04:21	6°♄23'46	-1°-29'-52		-1062 May 04 j 09:22	0°♄	
minimum elong	-1068 Feb 05 j 04:18	6°♄23'45	1°29'54	morning rise	-1062 May 19 j 09:38	1°♄57'51	
max. Earth dist.	-1068 Feb 04 j 22:24	6°♄21'54	10.47093 AU	retrograde	-1062 Sep 02 j 18:14	10°♄26'07	
morning rise	-1068 Feb 22 j 10:13	8°♄32'25		opposition	-1062 Nov 08 j 14:21	6°♄55'45	-2°-13'-27
	-1068 Apr 26 j 18:54	15°♄		min. Earth dist.	-1062 Nov 08 j 06:39	6°♄57'22	7.93689 AU
retrograde	-1068 Jun 07 j 17:59	16°♄27'10		direct	-1061 Jan 13 j 21:24	3°♄26'47	
	-1068 Jul 20 j 08:27	15°♄		evening set	-1061 Apr 28 j 16:09	11°♄47'13	
opposition	-1068 Aug 16 j 13:43	12°♄59'57	-2°-5'-47	conjunction	-1061 May 16 j 19:52	14°♄09'40	-1°-34'-26
min. Earth dist.	-1068 Aug 16 j 17:31	12°♄59'12	8.40399 AU	minimum elong	-1061 May 16 j 19:56	14°♄09'41	1°34'26
direct	-1068 Oct 23 j 01:14	9°♄37'31		max. Earth dist.	-1061 May 17 j 07:02	14°♄13'20	9.94470 AU
	-1067 Jan 12 j 19:37	15°♄			-1061 May 23 j 04:52	15°♄	
evening set	-1067 Jan 31 j 08:15	17°♄13'21		morning rise	-1061 Jun 04 j 00:10	16°♄32'18	
conjunction	-1067 Feb 17 j 12:50	19°♄23'17	-1°-51'-41	retrograde	-1061 Sep 17 j 11:18	24°♄55'17	
minimum elong	-1067 Feb 17 j 12:47	19°♄23'17	1°51'43	opposition	-1061 Nov 23 j 00:54	21°♄25'47	-1°-40'-59
max. Earth dist.	-1067 Feb 17 j 08:41	19°♄21'58	10.33782 AU	min. Earth dist.	-1061 Nov 22 j 16:01	21°♄27'38	7.96286 AU
morning rise	-1067 Mar 06 j 22:16	21°♄34'48		direct	-1060 Jan 28 j 14:42	17°♄56'21	
retrograde	-1067 Jun 21 j 21:33	29°♄40'29		evening set	-1060 May 13 j 01:48	26°♄16'29	
opposition	-1067 Aug 30 j 04:56	26°♄11'53	-2°-30'-3	conjunction	-1060 May 31 j 06:59	28°♄38'37	-1°-5'-48
min. Earth dist.	-1067 Aug 30 j 06:47	26°♄11'31	8.27479 AU	minimum elong	-1060 May 31 j 07:03	28°♄38'38	1°05'48
direct	-1067 Nov 05 j 04:12	22°♄48'11		max. Earth dist.	-1060 May 31 j 19:13	28°♄42'37	9.98781 AU
	-1066 Feb 09 j 12:08	0°♃			-1060 Jun 10 j 16:09	0°♄	
evening set	-1066 Feb 14 j 01:31	0°♃34'10		morning rise	-1060 Jun 18 j 11:22	1°♄00'27	
conjunction	-1066 Mar 03 j 09:44	2°♃46'57	-2°-8'-7	retrograde	-1060 Sep 30 j 22:40	9°♄15'22	
minimum elong	-1066 Mar 03 j 09:42	2°♃46'57	2°08'09	opposition	-1060 Dec 06 j 08:07	5°♄47'04	-1°-2'-31
max. Earth dist.	-1066 Mar 03 j 07:17	2°♃46'10	10.21324 AU	min. Earth dist.	-1060 Dec 05 j 23:00	5°♄48'57	8.02100 AU
morning rise	-1066 Mar 20 j 22:57	5°♃01'21		direct	-1059 Feb 11 j 09:02	2°♄17'25	
retrograde	-1066 Jul 06 j 09:05	13°♃16'51		evening set	-1059 May 28 j 07:50	10°♄34'40	
opposition	-1066 Sep 13 j 02:59	9°♃47'07	-2°-46'-47	conjunction	-1059 Jun 15 j 12:43	12°♄55'28	0°-33'-28
min. Earth dist.	-1066 Sep 13 j 03:17	9°♃47'04	8.15766 AU	minimum elong	-1059 Jun 15 j 12:45	12°♄55'28	0°33'28
direct	-1066 Nov 18 j 15:35	6°♃22'08		max. Earth dist.	-1059 Jun 16 j 00:40	12°♄59'20	10.06092 AU
evening set	-1065 Feb 28 j 06:30	14°♃18'07		morning rise	-1059 Jul 03 j 15:31	15°♄15'34	
conjunction	-1065 Mar 17 j 18:43	16°♃33'42	-2°-17'-44				

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Attention, astronomical year style is used: The year -1059 in astronomical counting style is the year 1060 BCE in historical counting style.

retrograde	-1059 Oct 15 j 00:36	23°II20'29		conjunction	-1053 Sep 04 j 21:27	1°♃26'21	2°07'24
opposition	-1059 Dec 20 j 10:18	19°II53'36	0°-20'-56	minimum elong	-1053 Sep 04 j 21:24	1°♃26'20	2°07'25
min. Earth dist.	-1059 Dec 20 j 01:56	19°II55'20	8.10656 AU	max. Earth dist.	-1053 Sep 04 j 23:03	1°♃26'49	10.77724 AU
direct	-1058 Feb 26 j 01:27	16°II24'03		morning rise	-1053 Sep 21 j 19:29	3°♃28'00	
evening set	-1058 Jun 12 j 07:04	24°II36'15		retrograde	-1053 Dec 30 j 00:34	10°♃35'49	
asc. node	-1058 Jun 27 j 02:11	26°II29'17		opposition	-1052 Mar 07 j 09:52	7°♃17'28	2°43'05
				min. Earth dist.	-1052 Mar 07 j 09:32	7°♃17'32	8.83523 AU
conjunction	-1058 Jun 30 j 09:54	26°II54'52	0°00'19	direct	-1052 May 17 j 07:31	3°♃53'27	
minimum elong	-1058 Jun 30 j 09:53	26°II54'52	0°00'19	evening set	-1052 Aug 30 j 03:06	11°♃18'02	
behind sun begin	-1058 Jun 30 j 02:35	26°II52'33					
behind sun end	-1058 Jun 30 j 17:12	26°II57'12		conjunction	-1052 Sep 16 j 01:17	13°♃18'29	2°17'19
max. Earth dist.	-1058 Jun 30 j 20:16	26°II58'11	10.15806 AU	minimum elong	-1052 Sep 16 j 01:15	13°♃18'29	2°17'19
morning rise	-1058 Jul 18 j 09:36	29°II12'27		max. Earth dist.	-1052 Sep 16 j 00:21	13°♃18'12	10.88721 AU
	-1058 Jul 24 j 18:26	0°♄		morning rise	-1052 Oct 02 j 19:12	15°♃17'40	
retrograde	-1058 Oct 28 j 16:55	7°♄06'35		retrograde	-1051 Jan 09 j 19:42	22°♃19'39	
opposition	-1057 Jan 03 j 06:29	3°♄41'17	0°20'52	opposition	-1051 Mar 19 j 17:25	19°♃02'03	2°51'19
min. Earth dist.	-1057 Jan 02 j 23:06	3°♄42'47	8.21287 AU	min. Earth dist.	-1051 Mar 19 j 18:19	19°♃01'53	8.93792 AU
direct	-1057 Mar 12 j 13:04	0°♄12'09		direct	-1051 May 29 j 23:57	15°♃39'12	
evening set	-1057 Jun 26 j 21:11	8°♄17'46		evening set	-1051 Sep 11 j 02:21	22°♃56'22	
conjunction	-1057 Jul 14 j 20:31	10°♄33'36	0°33'21	conjunction	-1051 Sep 27 j 20:44	24°♃54'39	2°21'20
minimum elong	-1057 Jul 14 j 20:30	10°♄33'35	0°33'22	minimum elong	-1051 Sep 27 j 20:44	24°♃54'39	2°21'20
max. Earth dist.	-1057 Jul 15 j 04:57	10°♄36'16	10.27218 AU	max. Earth dist.	-1051 Sep 27 j 18:29	24°♃53'59	10.98094 AU
morning rise	-1057 Aug 01 j 15:54	12°♄48'08		morning rise	-1051 Oct 14 j 11:18	26°♃51'50	
retrograde	-1057 Nov 11 j 00:27	20°♄31'30			-1051 Nov 12 j 08:02	0°♄	
opposition	-1056 Jan 16 j 20:03	17°♄07'50	1°00'23	retrograde	-1050 Jan 21 j 13:19	3°♄49'27	
min. Earth dist.	-1056 Jan 16 j 13:28	17°♄09'09	8.33314 AU	opposition	-1050 Mar 31 j 20:58	0°♄32'22	2°52'29
direct	-1056 Mar 25 j 17:54	13°♄39'26		min. Earth dist.	-1050 Mar 31 j 22:44	0°♄32'02	9.02238 AU
evening set	-1056 Jul 10 j 01:15	21°♄37'27			-1050 Apr 08 j 03:30	30°♃	
				direct	-1050 Jun 11 j 08:15	27°♃10'40	
conjunction	-1056 Jul 27 j 20:02	23°♄50'08	1°03'48		-1050 Aug 11 j 13:00	0°♄	
minimum elong	-1056 Jul 27 j 20:00	23°♄50'07	1°03'48	evening set	-1050 Sep 22 j 18:04	4°♄21'16	
max. Earth dist.	-1056 Jul 28 j 02:55	23°♄52'17	10.39701 AU				
morning rise	-1056 Aug 14 j 10:11	26°♄01'20		conjunction	-1050 Oct 09 j 09:34	6°♄17'55	2°19'39
	-1056 Sep 18 j 15:09	0°♄		minimum elong	-1050 Oct 09 j 09:35	6°♄17'55	2°19'38
retrograde	-1056 Nov 23 j 00:21	3°♄34'23		max. Earth dist.	-1050 Oct 09 j 06:27	6°♄17'00	11.05501 AU
opposition	-1055 Jan 29 j 02:51	0°♄12'17	1°35'34	morning rise	-1050 Oct 25 j 21:44	8°♄13'40	
min. Earth dist.	-1055 Jan 28 j 21:06	0°♄13'26	8.46141 AU	retrograde	-1049 Feb 02 j 03:01	15°♄08'22	
	-1055 Jan 31 j 17:00	30°♃		opposition	-1049 Apr 12 j 21:21	11°♄51'34	2°46'55
direct	-1055 Apr 08 j 15:01	26°♄44'50		min. Earth dist.	-1049 Apr 13 j 00:54	11°♄50'54	9.08569 AU
	-1055 Jun 11 j 23:13	0°♄		direct	-1049 Jun 23 j 08:59	8°♄30'53	
evening set	-1055 Jul 23 j 18:16	4°♄34'35		evening set	-1049 Oct 04 j 03:52	15°♄36'05	
conjunction	-1055 Aug 10 j 07:52	6°♄43'57	1°30'13	conjunction	-1049 Oct 20 j 17:15	17°♄31'37	2°12'35
minimum elong	-1055 Aug 10 j 07:49	6°♄43'56	1°30'14	minimum elong	-1049 Oct 20 j 17:17	17°♄31'37	2°12'34
max. Earth dist.	-1055 Aug 10 j 13:31	6°♄45'42	10.52673 AU	max. Earth dist.	-1049 Oct 20 j 12:04	17°♄30'06	11.10694 AU
morning rise	-1055 Aug 27 j 16:20	8°♄51'46		morning rise	-1049 Nov 06 j 04:09	19°♄26'29	
	-1055 Oct 28 j 20:29	15°♄		retrograde	-1048 Feb 13 j 16:09	26°♄19'49	
retrograde	-1055 Dec 05 j 15:35	16°♄15'18		opposition	-1048 Apr 23 j 19:54	23°♄03'05	2°35'04
	-1054 Jan 13 j 05:09	15°♃		min. Earth dist.	-1048 Apr 24 j 01:21	23°♄02'05	9.12571 AU
opposition	-1054 Feb 11 j 03:18	12°♄54'38	2°04'56	direct	-1048 Jul 04 j 07:39	19°♄43'17	
min. Earth dist.	-1054 Feb 10 j 22:50	12°♄55'31	8.59176 AU	evening set	-1048 Oct 14 j 09:20	26°♄44'19	
direct	-1054 Apr 22 j 04:44	9°♄28'17					
	-1054 Jul 18 j 07:44	15°♄		conjunction	-1048 Oct 30 j 21:27	28°♄39'16	2°00'31
evening set	-1054 Aug 05 j 23:50	17°♄09'26		minimum elong	-1048 Oct 30 j 21:29	28°♄39'16	2°00'31
				max. Earth dist.	-1048 Oct 30 j 14:17	28°♄37'10	11.13500 AU
conjunction	-1054 Aug 23 j 08:00	19°♄15'32	1°51'37		-1048 Nov 11 j 10:39	0°♃	
minimum elong	-1054 Aug 23 j 07:57	19°♄15'31	1°51'38	morning rise	-1048 Nov 16 j 08:05	0°♃33'47	
max. Earth dist.	-1054 Aug 23 j 12:12	19°♄16'49	10.65538 AU	retrograde	-1047 Feb 24 j 04:53	7°♃27'22	
morning rise	-1054 Sep 09 j 10:56	21°♄20'07		opposition	-1047 May 05 j 17:35	4°♃10'25	2°17'30
retrograde	-1054 Dec 17 j 23:47	28°♄35'12		min. Earth dist.	-1047 May 05 j 23:55	4°♃09'15	9.14112 AU
opposition	-1053 Feb 23 j 21:31	25°♄15'48	2°27'35	direct	-1047 Jul 16 j 02:09	0°♃51'23	
min. Earth dist.	-1053 Feb 23 j 19:11	25°♄16'15	8.71823 AU	evening set	-1047 Oct 25 j 12:19	7°♃49'36	
direct	-1053 May 05 j 10:11	21°♄50'36					
evening set	-1053 Aug 18 j 18:34	29°♄23'15		conjunction	-1047 Nov 11 j 00:09	9°♃44'27	1°43'58
	-1053 Aug 23 j 22:18	0°♃		minimum elong	-1047 Nov 11 j 00:11	9°♃44'28	1°43'58
				max. Earth dist.	-1047 Nov 10 j 16:38	9°♃42'15	11.13825 AU

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Attention, astronomical year style is used: The year -1047 in astronomical counting style is the year 1048 BCE in historical counting style.

morning rise	-1047 Nov 27 j 11:12	11° $\mathbb{M}$ 39'09		conjunction	-1040 Jan 18 j 06:53	18° $\mathbb{Z}$ 42'39	0°-52'-15
	-1047 Dec 28 j 23:06	15° $\mathbb{M}$		minimum elong	-1040 Jan 18 j 06:51	18° $\mathbb{Z}$ 42'38	0°52'16
retrograde	-1046 Mar 07 j 21:16	18° $\mathbb{M}$ 34'35		max. Earth dist.	-1040 Jan 17 j 23:19	18° $\mathbb{Z}$ 40'20	10.68462 AU
opposition	-1046 May 17 j 15:28	15° $\mathbb{M}$ 17'10	1°54'48	morning rise	-1040 Feb 04 j 07:50	20° $\mathbb{Z}$ 47'04	
min. Earth dist.	-1046 May 17 j 21:57	15° $\mathbb{M}$ 15'59	9.13139 AU	retrograde	-1040 May 19 j 12:50	28° $\mathbb{Z}$ 24'50	
	-1046 May 21 j 13:17	15° $\mathbb{R}$ $\mathbb{M}$		opposition	-1040 Jul 28 j 21:59	25° $\mathbb{Z}$ 00'32	-1°-21'-34
direct	-1046 Jul 27 j 19:25	11° $\mathbb{M}$ 58'42		min. Earth dist.	-1040 Jul 29 j 03:24	24° $\mathbb{Z}$ 59'30	8.62073 AU
	-1046 Sep 28 j 20:59	15° $\mathbb{M}$		direct	-1040 Oct 05 j 04:13	21° $\mathbb{Z}$ 40'26	
evening set	-1046 Nov 05 j 14:38	18° $\mathbb{M}$ 55'32		evening set	-1039 Jan 12 j 22:24	29° $\mathbb{Z}$ 01'41	
					-1039 Jan 20 j 20:48	0° $\approx$	
conjunction	-1046 Nov 22 j 02:55	20° $\mathbb{M}$ 50'48	1°23'27	conjunction	-1039 Jan 29 j 22:00	1° $\approx$ 07'18	-1°-19'-1
minimum elong	-1046 Nov 22 j 02:57	20° $\mathbb{M}$ 50'49	1°23'26	minimum elong	-1039 Jan 29 j 21:58	1° $\approx$ 07'17	1°19'02
max. Earth dist.	-1046 Nov 21 j 19:06	20° $\mathbb{M}$ 48'31	11.11642 AU	max. Earth dist.	-1039 Jan 29 j 15:02	1° $\approx$ 05'08	10.55606 AU
morning rise	-1046 Dec 08 j 15:06	22° $\mathbb{M}$ 46'09		morning rise	-1039 Feb 16 j 02:20	3° $\approx$ 14'22	
retrograde	-1045 Mar 19 j 17:00	29° $\mathbb{M}$ 44'59		retrograde	-1039 Jun 02 j 01:57	11° $\approx$ 02'55	
opposition	-1045 May 29 j 14:50	26° $\mathbb{M}$ 26'55	1°27'41	opposition	-1039 Aug 11 j 02:33	7° $\approx$ 37'05	-1°-53'-8
min. Earth dist.	-1045 May 29 j 21:51	26° $\mathbb{M}$ 25'37	9.09672 AU	min. Earth dist.	-1039 Aug 11 j 07:24	7° $\approx$ 36'09	8.49013 AU
direct	-1045 Aug 08 j 10:04	23° $\mathbb{M}$ 08'48		direct	-1039 Oct 17 j 19:20	4° $\approx$ 15'51	
	-1045 Nov 15 j 22:14	0° $\mathbb{Z}$		evening set	-1038 Jan 25 j 21:48	11° $\approx$ 46'07	
evening set	-1045 Nov 16 j 18:21	0° $\mathbb{Z}$ 05'47					
conjunction	-1045 Dec 03 j 07:24	2° $\mathbb{Z}$ 01'53	0°59'39	conjunction	-1038 Feb 12 j 00:35	13° $\approx$ 54'24	-1°-42'-37
minimum elong	-1045 Dec 03 j 07:26	2° $\mathbb{Z}$ 01'53	0°59'37	minimum elong	-1038 Feb 12 j 00:32	13° $\approx$ 54'23	1°42'38
max. Earth dist.	-1045 Dec 02 j 22:21	1° $\mathbb{Z}$ 59'13	11.07014 AU	max. Earth dist.	-1038 Feb 11 j 18:59	13° $\approx$ 52'38	10.42403 AU
morning rise	-1045 Dec 19 j 21:28	3° $\mathbb{Z}$ 58'20			-1038 Feb 20 j 17:27	15° $\approx$	
retrograde	-1044 Mar 30 j 15:31	11° $\mathbb{Z}$ 02'10		morning rise	-1038 Mar 01 j 08:20	16° $\approx$ 04'15	
opposition	-1044 Jun 09 j 16:50	7° $\mathbb{Z}$ 43'12	0°56'56	retrograde	-1038 Jun 15 j 23:42	24° $\approx$ 03'42	
min. Earth dist.	-1044 Jun 10 j 00:51	7° $\mathbb{Z}$ 41'43	9.03832 AU	opposition	-1038 Aug 24 j 13:48	20° $\approx$ 36'26	-2°-19'-59
direct	-1044 Aug 19 j 01:52	4° $\mathbb{Z}$ 25'10		min. Earth dist.	-1038 Aug 24 j 17:34	20° $\approx$ 35'41	8.35902 AU
evening set	-1044 Nov 27 j 01:10	11° $\mathbb{Z}$ 23'56		direct	-1038 Oct 30 j 19:14	17° $\approx$ 13'57	
				evening set	-1037 Feb 08 j 08:49	24° $\approx$ 54'04	
conjunction	-1044 Dec 13 j 15:35	13° $\mathbb{Z}$ 21'15	0°33'15	conjunction	-1037 Feb 25 j 15:12	27° $\approx$ 05'11	-2°-1'-32
minimum elong	-1044 Dec 13 j 15:36	13° $\mathbb{Z}$ 21'16	0°33'14	minimum elong	-1037 Feb 25 j 15:10	27° $\approx$ 05'10	2°01'34
max. Earth dist.	-1044 Dec 13 j 06:00	13° $\mathbb{Z}$ 18'25	11.00108 AU	max. Earth dist.	-1037 Feb 25 j 11:55	27° $\approx$ 04'08	10.29458 AU
morning rise	-1044 Dec 30 j 08:00	15° $\mathbb{Z}$ 19'12		morning rise	-1037 Mar 15 j 02:27	29° $\approx$ 17'53	
retrograde	-1043 Apr 11 j 21:27	22° $\mathbb{Z}$ 29'36			-1037 Mar 20 j 18:33	0° $\mathbb{K}$	
opposition	-1043 Jun 21 j 22:28	19° $\mathbb{Z}$ 09'31	0°23'27	retrograde	-1037 Jun 30 j 06:57	7° $\mathbb{K}$ 27'45	
min. Earth dist.	-1043 Jun 22 j 06:30	19° $\mathbb{Z}$ 08'01	8.95834 AU	opposition	-1037 Sep 07 j 08:02	3° $\mathbb{K}$ 59'10	-2°-40'-12
direct	-1043 Aug 30 j 21:20	15° $\mathbb{Z}$ 51'20		min. Earth dist.	-1037 Sep 07 j 09:41	3° $\mathbb{K}$ 58'51	8.23427 AU
evening set	-1043 Dec 08 j 12:43	22° $\mathbb{Z}$ 53'24		direct	-1037 Nov 13 j 02:18	0° $\mathbb{K}$ 35'23	
				evening set	-1036 Feb 22 j 07:36	8° $\mathbb{K}$ 25'35	
conjunction	-1043 Dec 25 j 05:06	24° $\mathbb{Z}$ 52'22	0°05'10	conjunction	-1036 Mar 10 j 17:55	10° $\mathbb{K}$ 39'33	-2°-14'-17
minimum elong	-1043 Dec 25 j 05:05	24° $\mathbb{Z}$ 52'22	0°05'09	minimum elong	-1036 Mar 10 j 17:53	10° $\mathbb{K}$ 39'33	2°14'19
behind sun begin	-1043 Dec 24 j 22:18	24° $\mathbb{Z}$ 50'22		max. Earth dist.	-1036 Mar 10 j 17:06	10° $\mathbb{K}$ 39'17	10.17547 AU
behind sun end	-1043 Dec 25 j 11:53	24° $\mathbb{Z}$ 54'23		morning rise	-1036 Mar 28 j 08:52	12° $\mathbb{K}$ 55'04	
max. Earth dist.	-1043 Dec 24 j 20:25	24° $\mathbb{Z}$ 49'47	10.91155 AU	retrograde	-1036 Jul 13 j 21:46	21° $\mathbb{K}$ 13'52	
morning rise	-1042 Jan 11 j 00:05	26° $\mathbb{Z}$ 52'11		opposition	-1036 Sep 20 j 08:37	17° $\mathbb{K}$ 44'13	-2°-51'-57
	-1042 Feb 08 j 09:57	0° $\mathbb{Z}$		min. Earth dist.	-1036 Sep 20 j 07:58	17° $\mathbb{K}$ 44'20	8.12383 AU
desc. node	-1042 Mar 02 j 01:52	1° $\mathbb{Z}$ 57'35		direct	-1036 Nov 25 j 17:27	14° $\mathbb{K}$ 19'03	
retrograde	-1042 Apr 24 j 09:47	4° $\mathbb{Z}$ 10'33		evening set	-1035 Mar 07 j 17:52	22° $\mathbb{K}$ 18'54	
opposition	-1042 Jul 04 j 08:36	0° $\mathbb{Z}$ 49'10	0°-11'-40				
min. Earth dist.	-1042 Jul 04 j 15:41	0° $\mathbb{Z}$ 47'50	8.85952 AU	conjunction	-1035 Mar 25 j 08:23	24° $\mathbb{K}$ 35'34	-2°-19'-36
	-1042 Jul 15 j 09:50	30° $\mathbb{R}$ $\mathbb{Z}$		minimum elong	-1035 Mar 25 j 08:23	24° $\mathbb{K}$ 35'34	2°19'37
direct	-1042 Sep 11 j 18:40	27° $\mathbb{Z}$ 30'36		max. Earth dist.	-1035 Mar 25 j 09:54	24° $\mathbb{K}$ 36'04	10.07467 AU
	-1042 Nov 06 j 02:37	0° $\mathbb{Z}$		morning rise	-1035 Apr 12 j 03:10	26° $\mathbb{K}$ 53'40	
evening set	-1042 Dec 20 j 07:11	4° $\mathbb{Z}$ 37'36			-1035 May 07 j 15:30	0° $\mathbb{Y}$	
				retrograde	-1035 Jul 28 j 17:00	5° $\mathbb{Y}$ 18'58	
conjunction	-1041 Jan 06 j 01:44	6° $\mathbb{Z}$ 38'31	0°-23'-47	opposition	-1035 Oct 04 j 14:15	1° $\mathbb{Y}$ 48'35	-2°-53'-46
minimum elong	-1041 Jan 06 j 01:43	6° $\mathbb{Z}$ 38'30	0°23'48	min. Earth dist.	-1035 Oct 04 j 11:45	1° $\mathbb{Y}$ 49'05	8.03508 AU
max. Earth dist.	-1041 Jan 05 j 18:00	6° $\mathbb{Z}$ 36'11	10.80469 AU		-1035 Oct 27 j 19:04	30° $\mathbb{R}$ $\mathbb{K}$	
morning rise	-1041 Jan 22 j 23:32	8° $\mathbb{Z}$ 40'29		direct	-1035 Dec 09 j 17:56	28° $\mathbb{K}$ 22'03	
retrograde	-1041 May 07 j 06:43	16° $\mathbb{Z}$ 08'04			-1034 Jan 20 j 21:49	0° $\mathbb{Y}$	
opposition	-1041 Jul 17 j 00:05	12° $\mathbb{Z}$ 45'16	0°-47'-10	evening set	-1034 Mar 22 j 13:58	6° $\mathbb{Y}$ 30'20	
min. Earth dist.	-1041 Jul 17 j 06:04	12° $\mathbb{Z}$ 44'08	8.74549 AU				
direct	-1041 Sep 23 j 21:02	9° $\mathbb{Z}$ 26'03		conjunction	-1034 Apr 09 j 08:46	8° $\mathbb{Y}$ 49'24	-2°-16'-37
evening set	-1040 Jan 01 j 10:00	16° $\mathbb{Z}$ 39'31					

Planetary Phenomena of Saturn from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 31

Attention, astronomical year style is used: The year -1034 in astronomical counting style is the year 1035 BCE in historical counting style.

minimum elong	-1034 Apr 09 j 08:48	8°Υ49'25	2°16'38	asc. node	-1029 Dec 13 j 07:27	28°Π50'41	
max. Earth dist.	-1034 Apr 09 j 12:26	8°Υ50'36	9.99900 AU	opposition	-1029 Dec 28 j 08:17	27°Π38'22	0°01'40
morning rise	-1034 Apr 27 j 07:14	11°Υ09'40		min. Earth dist.	-1029 Dec 27 j 23:52	27°Π40'05	8.14971 AU
retrograde	-1034 Aug 12 j 14:02	19°Υ38'22		direct	-1028 Mar 05 j 08:23	24°Π08'30	
opposition	-1034 Oct 18 j 23:36	16°Υ07'38	-2°-44'-53		-1028 May 31 j 15:42	0°Ϸ	
min. Earth dist.	-1034 Oct 18 j 19:38	16°Υ08'27	7.97402 AU	evening set	-1028 Jun 19 j 14:41	2°Ϸ17'34	
direct	-1034 Dec 24 j 01:47	12°Υ39'53					
evening set	-1033 Apr 06 j 17:23	20°Υ54'36		conjunction	-1028 Jul 07 j 16:06	4°Ϸ34'55	0°18'17
				minimum elong	-1028 Jul 07 j 16:05	4°Ϸ34'54	0°18'18
conjunction	-1033 Apr 24 j 16:14	23°Υ15'32	-2°-5'-7	max. Earth dist.	-1028 Jul 08 j 02:33	4°Ϸ38'14	10.20516 AU
minimum elong	-1033 Apr 24 j 16:17	23°Υ15'33	2°05'08	morning rise	-1028 Jul 25 j 13:37	6°Ϸ51'02	
max. Earth dist.	-1033 Apr 24 j 21:57	23°Υ17'25	9.95365 AU	retrograde	-1028 Nov 04 j 08:33	14°Ϸ39'43	
morning rise	-1033 May 12 j 17:51	25°Υ37'20		opposition	-1027 Jan 10 j 00:51	11°Ϸ14'43	0°42'32
	-1033 Jun 18 j 10:35	0°Ϸ		min. Earth dist.	-1027 Jan 09 j 17:23	11°Ϸ16'14	8.26357 AU
retrograde	-1033 Aug 27 j 10:47	4°Ϸ05'58		direct	-1027 Mar 19 j 15:00	7°Ϸ45'26	
opposition	-1033 Nov 02 j 10:39	0°Ϸ35'20	-2°-25'-29	evening set	-1027 Jul 03 j 23:32	15°Ϸ47'18	
min. Earth dist.	-1033 Nov 02 j 05:28	0°Ϸ36'25	7.94483 AU				
	-1033 Nov 09 j 12:58	30°RΥ		conjunction	-1027 Jul 21 j 20:42	18°Ϸ01'37	0°50'06
direct	-1032 Jan 07 j 15:19	27°Υ06'32		minimum elong	-1027 Jul 21 j 20:40	18°Ϸ01'37	0°50'08
	-1032 Mar 04 j 19:55	0°Ϸ		max. Earth dist.	-1027 Jul 22 j 05:39	18°Ϸ04'26	10.32632 AU
evening set	-1032 Apr 21 j 01:27	5°Ϸ25'16		morning rise	-1027 Aug 08 j 13:18	20°Ϸ14'30	
				retrograde	-1027 Nov 17 j 12:29	27°Ϸ52'29	
conjunction	-1032 May 09 j 03:45	7°Ϸ47'20	-1°-45'-39	opposition	-1026 Jan 23 j 10:46	24°Ϸ29'09	1°19'55
minimum elong	-1032 May 09 j 03:49	7°Ϸ47'21	1°45'40	min. Earth dist.	-1026 Jan 23 j 04:36	24°Ϸ30'23	8.39048 AU
max. Earth dist.	-1032 May 09 j 11:23	7°Ϸ49'51	9.94171 AU	direct	-1026 Apr 02 j 15:22	21°Ϸ00'44	
morning rise	-1032 May 27 j 07:36	10°Ϸ09'51		evening set	-1026 Jul 17 j 21:32	28°Ϸ54'30	
	-1032 Jul 07 j 11:30	15°Ϸ			-1026 Jul 26 j 18:40	0°Ω	
retrograde	-1032 Sep 10 j 04:40	18°Ϸ34'55		conjunction	-1026 Aug 04 j 13:35	1°Ω05'30	1°18'32
opposition	-1032 Nov 15 j 21:10	15°Ϸ04'48	-1°-56'-45	minimum elong	-1026 Aug 04 j 13:31	1°Ω05'29	1°18'33
min. Earth dist.	-1032 Nov 15 j 14:46	15°Ϸ06'08	7.94946 AU	max. Earth dist.	-1026 Aug 04 j 20:23	1°Ω07'37	10.45688 AU
	-1032 Nov 16 j 20:11	15°RϷ		morning rise	-1026 Aug 22 j 00:47	3°Ω14'59	
direct	-1031 Jan 21 j 08:17	11°Ϸ35'13		retrograde	-1026 Nov 30 j 05:20	10°Ω42'53	
	-1031 Mar 25 j 05:50	15°Ϸ		opposition	-1025 Feb 05 j 13:54	7°Ω21'10	1°52'06
evening set	-1031 May 06 j 10:53	19°Ϸ55'15		min. Earth dist.	-1025 Feb 05 j 08:55	7°Ω22'09	8.52359 AU
				direct	-1025 Apr 16 j 09:48	3°Ω53'53	
conjunction	-1031 May 24 j 15:28	22°Ϸ17'33	-1°-19'-33	evening set	-1025 Jul 31 j 08:06	11°Ω39'06	
minimum elong	-1031 May 24 j 15:32	22°Ϸ17'34	1°19'34				
max. Earth dist.	-1031 May 25 j 00:40	22°Ϸ20'34	9.96373 AU	conjunction	-1025 Aug 17 j 18:44	13°Ω46'44	1°42'20
morning rise	-1031 Jun 11 j 20:10	24°Ϸ39'50		minimum elong	-1025 Aug 17 j 18:41	13°Ω46'43	1°42'21
	-1031 Jul 28 j 09:22	0°Π		max. Earth dist.	-1025 Aug 17 j 23:28	13°Ω48'12	10.59006 AU
retrograde	-1031 Sep 24 j 17:28	2°Π58'21			-1025 Aug 27 j 17:53	15°Ω	
	-1031 Nov 24 j 00:19	30°RϷ		morning rise	-1025 Sep 04 j 00:28	15°Ω52'51	
opposition	-1031 Nov 30 j 05:25	29°Ϸ29'07	-1°-20'-48	retrograde	-1025 Dec 12 j 16:19	23°Ω11'44	
min. Earth dist.	-1031 Nov 29 j 21:53	29°Ϸ30'41	7.98731 AU	opposition	-1024 Feb 18 j 10:32	19°Ω51'30	2°17'55
direct	-1030 Feb 05 j 03:01	25°Ϸ59'06		min. Earth dist.	-1024 Feb 18 j 06:22	19°Ω52'19	8.65604 AU
	-1030 Apr 15 j 08:49	0°Π		direct	-1024 Apr 28 j 19:17	16°Ω25'31	
evening set	-1030 May 21 j 18:09	4°Π17'44		evening set	-1024 Aug 12 j 07:39	24°Ω02'07	
conjunction	-1030 Jun 08 j 23:24	6°Π39'15	0°-48'-42	conjunction	-1024 Aug 29 j 13:00	26°Ω06'35	2°00'45
minimum elong	-1030 Jun 08 j 23:26	6°Π39'16	0°48'42	minimum elong	-1024 Aug 29 j 12:57	26°Ω06'35	2°00'46
max. Earth dist.	-1030 Jun 09 j 09:42	6°Π42'37	10.01783 AU	max. Earth dist.	-1024 Aug 29 j 16:23	26°Ω07'37	10.71935 AU
morning rise	-1030 Jun 27 j 03:15	9°Π00'19		morning rise	-1024 Sep 15 j 13:22	28°Ω09'35	
retrograde	-1030 Oct 08 j 22:33	17°Π10'01			-1024 Oct 01 j 12:15	0°η	
opposition	-1030 Dec 14 j 09:34	13°Π41'59	0°-40'-21	retrograde	-1024 Dec 23 j 21:29	5°η20'36	
min. Earth dist.	-1030 Dec 14 j 01:13	13°Π43'43	8.05559 AU	opposition	-1023 Mar 02 j 01:19	2°η01'41	2°36'43
direct	-1029 Feb 19 j 19:57	10°Π11'53		min. Earth dist.	-1023 Mar 01 j 22:27	2°η02'14	8.78164 AU
evening set	-1029 Jun 05 j 20:16	18°Π26'42			-1023 Mar 30 j 12:12	30°RΩ	
				direct	-1023 May 11 j 19:32	28°Ω37'06	
conjunction	-1029 Jun 24 j 00:27	20°Π46'32	0°-15'-22		-1023 Jun 22 j 12:15	0°η	
minimum elong	-1029 Jun 24 j 00:27	20°Π46'32	0°15'22	evening set	-1023 Aug 24 j 20:43	6°η05'21	
behind sun begin	-1029 Jun 23 j 22:47	20°Π46'00					
behind sun end	-1029 Jun 24 j 02:08	20°Π47'04		conjunction	-1023 Sep 10 j 21:10	8°η07'00	2°13'22
max. Earth dist.	-1029 Jun 24 j 11:16	20°Π50'00	10.10015 AU	minimum elong	-1023 Sep 10 j 21:08	8°η06'59	2°13'22
morning rise	-1029 Jul 12 j 01:50	23°Π05'28		max. Earth dist.	-1023 Sep 10 j 23:14	8°η07'37	10.83904 AU
	-1029 Sep 18 j 11:35	0°Ϸ		morning rise	-1023 Sep 27 j 16:50	10°η07'16	
retrograde	-1029 Oct 22 j 19:37	1°Ϸ04'57		retrograde	-1022 Jan 04 j 19:58	17°η11'46	
	-1029 Nov 26 j 12:37	30°RΠ					

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Attention, astronomical year style is used: The year -1022 in astronomical counting style is the year 1023 BCE in historical counting style.

opposition	-1022 Mar 14 j 11:07	13°♄53'57	2°48'16	direct	-1016 Aug 02 j 11:46	18°♃17'57	
min. Earth dist.	-1022 Mar 14 j 10:16	13°♄54'06	8.89513 AU	evening set	-1016 Nov 11 j 02:08	25°♃14'49	
direct	-1022 May 24 j 13:08	10°♄30'45					
evening set	-1022 Sep 06 j 00:12	17°♄51'13		conjunction	-1016 Nov 27 j 14:45	27°♃10'28	1°10'49
				minimum elong	-1016 Nov 27 j 14:47	27°♃10'29	1°10'48
conjunction	-1022 Sep 22 j 20:21	19°♄50'26	2°20'05	max. Earth dist.	-1016 Nov 27 j 04:52	27°♃07'34	11.09784 AU
minimum elong	-1022 Sep 22 j 20:20	19°♄50'26	2°20'04	morning rise	-1016 Dec 14 j 03:54	29°♃06'21	
max. Earth dist.	-1022 Sep 22 j 20:08	19°♄50'22	10.94432 AU		-1016 Dec 22 j 00:53	0°♂	
morning rise	-1022 Oct 09 j 12:18	21°♄48'28		retrograde	-1015 Mar 25 j 14:05	6°♂07'52	
retrograde	-1021 Jan 16 j 14:17	28°♄47'53		opposition	-1015 Jun 04 j 14:01	2°♂49'32	1°11'17
opposition	-1021 Mar 26 j 16:33	25°♄30'53	2°52'38	min. Earth dist.	-1015 Jun 04 j 22:29	2°♂47'59	9.06904 AU
min. Earth dist.	-1021 Mar 26 j 17:59	25°♄30'37	8.99195 AU		-1015 Jul 20 j 19:11	30°♃	
direct	-1021 Jun 06 j 00:04	22°♄08'59		direct	-1015 Aug 14 j 04:58	29°♃31'38	
evening set	-1021 Sep 17 j 19:38	29°♄22'29			-1015 Sep 07 j 05:06	0°♂	
	-1021 Sep 23 j 04:52	0°♂		evening set	-1015 Nov 22 j 07:36	6°♂29'36	
conjunction	-1021 Oct 04 j 12:17	1°♂19'48	2°20'59	conjunction	-1015 Dec 08 j 21:31	8°♂26'23	0°45'30
minimum elong	-1021 Oct 04 j 12:17	1°♂19'48	2°20'58	minimum elong	-1015 Dec 08 j 21:32	8°♂26'23	0°45'29
max. Earth dist.	-1021 Oct 04 j 09:19	1°♂18'55	11.03111 AU	max. Earth dist.	-1015 Dec 08 j 11:45	8°♂23'30	11.03405 AU
morning rise	-1021 Oct 21 j 01:34	3°♂16'07		morning rise	-1015 Dec 25 j 12:41	10°♂23'37	
retrograde	-1020 Jan 28 j 04:21	10°♂11'53		retrograde	-1014 Apr 06 j 18:28	17°♂31'04	
opposition	-1020 Apr 06 j 18:21	6°♂55'24	2°50'05	opposition	-1014 Jun 16 j 18:03	14°♂11'32	0°38'56
min. Earth dist.	-1020 Apr 06 j 21:10	6°♂54'53	9.06833 AU	min. Earth dist.	-1014 Jun 17 j 02:30	14°♂09'58	8.99353 AU
direct	-1020 Jun 17 j 05:24	3°♂34'41		direct	-1014 Aug 25 j 22:23	10°♂53'25	
evening set	-1020 Sep 28 j 08:18	10°♂42'13		evening set	-1014 Dec 03 j 17:09	17°♂54'04	
conjunction	-1020 Oct 14 j 22:31	12°♂38'09	2°16'20	conjunction	-1014 Dec 20 j 08:38	19°♂52'20	0°18'04
minimum elong	-1020 Oct 14 j 22:32	12°♂38'09	2°16'20	minimum elong	-1014 Dec 20 j 08:38	19°♂52'20	0°18'03
max. Earth dist.	-1020 Oct 14 j 18:13	12°♂36'53	11.09609 AU	max. Earth dist.	-1014 Dec 19 j 22:07	19°♂49'13	10.94834 AU
morning rise	-1020 Oct 31 j 09:58	14°♂33'18		morning rise	-1013 Jan 06 j 02:23	21°♂51'21	
retrograde	-1019 Feb 07 j 19:13	21°♂26'58		retrograde	-1013 Apr 19 j 02:54	29°♂06'11	
opposition	-1019 Apr 18 j 17:54	18°♂10'42	2°41'03	opposition	-1013 Jun 29 j 02:19	25°♂45'16	0°04'25
min. Earth dist.	-1019 Apr 18 j 21:42	18°♂10'00	9.12124 AU	min. Earth dist.	-1013 Jun 29 j 11:05	25°♂43'37	8.89770 AU
direct	-1019 Jun 29 j 06:45	14°♂51'01		desc. node	-1013 Aug 15 j 07:27	22°♂51'35	
evening set	-1019 Oct 09 j 15:45	21°♂53'41		direct	-1013 Sep 06 j 17:15	22°♂26'38	
conjunction	-1019 Oct 26 j 04:28	23°♂48'47	2°06'31	evening set	-1013 Dec 15 j 08:24	29°♂31'38	
minimum elong	-1019 Oct 26 j 04:30	23°♂48'47	2°06'30		-1013 Dec 19 j 08:16	0°♂	
max. Earth dist.	-1019 Oct 25 j 23:07	23°♂47'13	11.13650 AU	conjunction	-1012 Jan 01 j 01:48	1°♂31'43	0°-10'-39
morning rise	-1019 Nov 11 j 15:00	25°♂43'19		minimum elong	-1012 Jan 01 j 01:48	1°♂31'43	0°10'41
	-1019 Dec 23 j 11:26	0°♃		behind sun begin	-1013 Dec 31 j 20:21	1°♂30'06	
retrograde	-1018 Feb 19 j 08:51	2°♃36'27		behind sun end	-1012 Jan 01 j 07:15	1°♂33'21	
	-1018 Apr 21 j 12:53	30°♃		max. Earth dist.	-1013 Dec 31 j 15:16	1°♂28'34	10.84390 AU
opposition	-1018 Apr 30 j 16:08	29°♂20'06	2°26'03	morning rise	-1012 Jan 17 j 22:26	3°♂32'48	
min. Earth dist.	-1018 Apr 30 j 21:34	29°♂19'06	9.14834 AU	retrograde	-1012 Apr 30 j 19:04	10°♂56'28	
direct	-1018 Jul 11 j 01:39	26°♂01'14		opposition	-1012 Jul 10 j 15:39	7°♂33'59	0°-31'-6
	-1018 Sep 22 j 19:18	0°♃		min. Earth dist.	-1012 Jul 11 j 00:07	7°♂32'24	8.78524 AU
evening set	-1018 Oct 20 j 20:06	3°♃00'27		direct	-1012 Sep 17 j 19:10	4°♂14'38	
conjunction	-1018 Nov 06 j 08:00	4°♃55'14	1°51'57	evening set	-1012 Dec 26 j 07:14	11°♂25'31	
minimum elong	-1018 Nov 06 j 08:03	4°♃55'14	1°51'57	conjunction	-1011 Jan 12 j 03:04	13°♂27'47	0°-39'-27
max. Earth dist.	-1018 Nov 06 j 00:22	4°♃53'00	11.15039 AU	minimum elong	-1011 Jan 12 j 03:02	13°♂27'47	0°39'29
morning rise	-1018 Nov 22 j 18:42	6°♃49'43		max. Earth dist.	-1011 Jan 11 j 18:03	13°♂25'02	10.72473 AU
retrograde	-1017 Mar 02 j 23:13	13°♃43'58		morning rise	-1011 Jan 29 j 02:40	15°♂31'15	
opposition	-1017 May 12 j 14:00	10°♃27'16	2°05'38	retrograde	-1011 May 13 j 20:44	23°♂04'52	
min. Earth dist.	-1017 May 12 j 21:40	10°♃25'52	9.14829 AU	opposition	-1011 Jul 23 j 10:45	19°♂40'44	-1°-6'-14
direct	-1017 Jul 22 j 19:08	7°♃08'58		min. Earth dist.	-1011 Jul 23 j 17:46	19°♂39'24	8.66058 AU
evening set	-1017 Oct 31 j 23:01	14°♃06'17		direct	-1011 Sep 30 j 00:45	16°♂20'29	
	-1017 Nov 08 j 17:10	15°♃		evening set	-1010 Jan 07 j 15:11	23°♂38'44	
conjunction	-1017 Nov 17 j 10:52	16°♃01'15	1°33'11	conjunction	-1010 Jan 24 j 13:45	25°♂43'25	-1°-7'-11
minimum elong	-1017 Nov 17 j 10:54	16°♃01'16	1°33'11	minimum elong	-1010 Jan 24 j 13:43	25°♂43'24	1°07'13
max. Earth dist.	-1017 Nov 17 j 01:12	15°♃58'26	11.13721 AU	max. Earth dist.	-1010 Jan 24 j 06:31	25°♂41'11	10.59557 AU
morning rise	-1017 Dec 03 j 22:33	17°♃56'13		morning rise	-1010 Feb 10 j 16:29	27°♂49'29	
retrograde	-1016 Mar 13 j 16:22	24°♃53'16			-1010 Mar 01 j 06:49	0°♃	
opposition	-1016 May 23 j 12:58	21°♃35'55	1°40'28	retrograde	-1010 May 27 j 06:57	5°♃33'52	
min. Earth dist.	-1016 May 23 j 21:37	21°♃34'20	9.12136 AU	opposition	-1010 Aug 05 j 12:23	2°♃08'06	-1°-39'-21



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Attention, astronomical year style is used: The year -1010 in astronomical counting style is the year 1011 BCE in historical counting style.

min. Earth dist.	-1010 Aug 05 j 17:29	2°♁07'07	8.52878 AU	retrograde	-1004 Aug 20 j 04:59	27°♃54'46	
	-1010 Sep 04 j 08:19	30°♁3		opposition	-1004 Oct 26 j 09:46	24°♃23'53	-2°-35'-22
direct	-1010 Oct 12 j 12:08	28°♁46'47		min. Earth dist.	-1004 Oct 26 j 03:26	24°♃25'12	7.94752 AU
	-1010 Nov 18 j 17:53	0°♁		direct	-1004 Dec 31 j 12:30	20°♃55'31	
evening set	-1009 Jan 20 j 09:45	6°♁13'41		evening set	-1003 Apr 14 j 14:36	29°♃13'09	
					-1003 Apr 20 j 14:47	0°♁	
conjunction	-1009 Feb 06 j 11:11	8°♁21'00	-1°-32'-26				
minimum elong	-1009 Feb 06 j 11:08	8°♁20'59	1°32'28	conjunction	-1003 May 02 j 15:39	1°♁34'56	-1°-55'-11
max. Earth dist.	-1009 Feb 06 j 05:17	8°♁19'09	10.46196 AU	minimum elong	-1003 May 02 j 15:42	1°♁34'58	1°55'12
morning rise	-1009 Feb 23 j 17:16	10°♁29'49		max. Earth dist.	-1003 May 03 j 01:01	1°♁38'02	9.93864 AU
	-1009 Apr 05 j 02:58	15°♁		morning rise	-1003 May 20 j 18:32	3°♁57'20	
retrograde	-1009 Jun 10 j 02:19	18°♁25'18		retrograde	-1003 Sep 04 j 02:03	12°♁24'52	
opposition	-1009 Aug 18 j 20:57	14°♁57'59	-2°-8'-39	opposition	-1003 Nov 09 j 21:09	8°♁54'30	-2°-10'-30
	-1009 Aug 18 j 10:44	15°♁		min. Earth dist.	-1003 Nov 09 j 13:26	8°♁56'07	7.94114 AU
min. Earth dist.	-1009 Aug 19 j 00:25	14°♁57'18	8.39578 AU	direct	-1002 Jan 15 j 03:48	5°♁25'26	
direct	-1009 Oct 25 j 07:33	11°♁35'28		evening set	-1002 Apr 30 j 00:26	13°♁45'31	
	-1009 Dec 27 j 17:31	15°♁			-1002 May 09 j 13:32	15°♁	
evening set	-1008 Feb 02 j 15:44	19°♁11'57					
				conjunction	-1002 May 18 j 04:14	16°♁07'53	-1°-31'-47
conjunction	-1008 Feb 19 j 20:24	21°♁22'02	-1°-53'-42	minimum elong	-1002 May 18 j 04:18	16°♁07'54	1°31'47
minimum elong	-1008 Feb 19 j 20:21	21°♁22'01	1°53'44	max. Earth dist.	-1002 May 18 j 15:05	16°♁11'27	9.94989 AU
max. Earth dist.	-1008 Feb 19 j 15:50	21°♁20'35	10.33038 AU	morning rise	-1002 Jun 05 j 08:35	18°♁30'26	
morning rise	-1008 Mar 08 j 06:07	23°♁33'43		retrograde	-1002 Sep 18 j 18:49	26°♁52'32	
	-1008 May 09 j 13:40	0°♁		opposition	-1002 Nov 24 j 07:16	23°♁23'05	-1°-37'-22
retrograde	-1008 Jun 23 j 06:31	1°♁39'56		min. Earth dist.	-1002 Nov 23 j 22:53	23°♁24'50	7.96877 AU
	-1008 Aug 07 j 14:21	30°♁		direct	-1001 Jan 29 j 22:05	19°♁53'35	
opposition	-1008 Aug 31 j 12:37	28°♁11'15	-2°-32'-9	evening set	-1001 May 15 j 09:32	28°♁13'18	
min. Earth dist.	-1008 Aug 31 j 14:41	28°♁10'51	8.26832 AU		-1001 May 29 j 02:43	0°♁	
direct	-1008 Nov 06 j 10:36	24°♁47'27					
	-1007 Jan 25 j 04:12	0°♁		conjunction	-1001 Jun 02 j 14:37	0°♁35'16	-1°-2'-44
evening set	-1007 Feb 15 j 09:30	2°♁33'57		minimum elong	-1001 Jun 02 j 14:40	0°♁35'17	1°02'44
				max. Earth dist.	-1001 Jun 03 j 02:07	0°♁39'02	9.99454 AU
conjunction	-1007 Mar 04 j 17:55	4°♁46'51	-2°-9'-26	morning rise	-1001 Jun 20 j 19:00	2°♁56'59	
minimum elong	-1007 Mar 04 j 17:53	4°♁46'51	2°09'27	retrograde	-1001 Oct 03 j 04:13	11°♁10'59	
max. Earth dist.	-1007 Mar 04 j 15:33	4°♁46'06	10.20775 AU	opposition	-1001 Dec 08 j 13:58	7°♁42'47	0°-58'-30
morning rise	-1007 Mar 22 j 07:24	7°♁01'24		min. Earth dist.	-1001 Dec 08 j 05:27	7°♁44'32	8.02841 AU
retrograde	-1007 Jul 07 j 17:46	15°♁17'12		direct	-1000 Feb 13 j 16:49	4°♁13'07	
opposition	-1007 Sep 14 j 10:51	11°♁47'24	-2°-47'-56	evening set	-1000 May 29 j 14:54	12°♁29'52	
min. Earth dist.	-1007 Sep 14 j 11:20	11°♁47'18	8.15328 AU				
direct	-1007 Nov 19 j 23:15	8°♁22'17		conjunction	-1000 Jun 16 j 19:36	14°♁50'28	0°-30'-10
evening set	-1006 Mar 01 j 15:01	16°♁18'39		minimum elong	-1000 Jun 16 j 19:38	14°♁50'29	0°30'11
				max. Earth dist.	-1000 Jun 17 j 06:47	14°♁54'05	10.06911 AU
conjunction	-1006 Mar 19 j 03:34	18°♁34'20	-2°-18'-13	morning rise	-1000 Jul 04 j 22:21	17°♁10'24	
minimum elong	-1006 Mar 19 j 03:33	18°♁34'19	2°18'15	retrograde	-1000 Oct 16 j 04:28	25°♁14'25	
max. Earth dist.	-1006 Mar 19 j 04:10	18°♁34'31	10.10103 AU	opposition	-1000 Dec 21 j 15:31	21°♁47'40	0°-16'-48
morning rise	-1006 Apr 05 j 20:48	20°♁51'31		min. Earth dist.	-1000 Dec 21 j 07:19	21°♁49'21	8.11548 AU
retrograde	-1006 Jul 22 j 10:15	29°♁14'55		direct	-999 Feb 27 j 08:26	18°♁18'09	
opposition	-1006 Sep 28 j 14:38	25°♁44'21	-2°-54'-19	asc. node	-999 May 22 j 02:28	23°♁47'19	
min. Earth dist.	-1006 Sep 28 j 12:56	25°♁44'42	8.05751 AU	evening set	-999 Jun 13 j 13:26	26°♁29'45	
direct	-1006 Dec 03 j 21:21	22°♁18'00					
	-1005 Mar 13 j 06:04	0°♁		conjunction	-999 Jul 01 j 16:03	28°♁48'09	0°03'40
evening set	-1005 Mar 16 j 07:02	0°♁23'18		minimum elong	-999 Jul 01 j 16:03	28°♁48'09	0°03'41
				behind sun begin	-999 Jul 01 j 08:48	28°♁45'51	
conjunction	-1005 Apr 02 j 23:58	2°♁41'31	-2°-19'00	behind sun end	-999 Jul 01 j 23:19	28°♁50'27	
minimum elong	-1005 Apr 02 j 23:59	2°♁41'32	2°19'02	max. Earth dist.	-999 Jul 02 j 02:05	28°♁51'21	10.16779 AU
max. Earth dist.	-1005 Apr 03 j 03:48	2°♁42'47	10.01706 AU		-999 Jul 11 j 00:35	0°♁	
morning rise	-1005 Apr 20 j 20:52	5°♁01'03		morning rise	-999 Jul 19 j 15:33	1°♁05'29	
retrograde	-1005 Aug 06 j 06:31	13°♁29'15		retrograde	-999 Oct 29 j 20:38	8°♁58'42	
opposition	-1005 Oct 12 j 22:54	9°♁58'18	-2°-50'-13	opposition	-998 Jan 04 j 11:03	5°♁33'30	0°24'52
min. Earth dist.	-1005 Oct 12 j 18:45	9°♁59'10	7.98729 AU	min. Earth dist.	-998 Jan 04 j 03:15	5°♁35'05	8.22331 AU
direct	-1005 Dec 18 j 01:56	6°♁30'52		direct	-998 Mar 13 j 18:56	2°♁04'26	
evening set	-1004 Mar 30 j 07:39	14°♁43'26		evening set	-998 Jun 28 j 02:43	10°♁09'18	
conjunction	-1004 Apr 17 j 04:55	17°♁03'46	-2°-11'-16	conjunction	-998 Jul 16 j 01:47	12°♁24'53	0°36'27
minimum elong	-1004 Apr 17 j 04:58	17°♁03'47	2°11'17	minimum elong	-998 Jul 16 j 01:45	12°♁24'53	0°36'28
max. Earth dist.	-1004 Apr 17 j 11:54	17°♁06'04	9.96161 AU	max. Earth dist.	-998 Jul 16 j 10:30	12°♁27'39	10.28316 AU
morning rise	-1004 May 05 j 05:11	19°♁25'06		morning rise	-998 Aug 02 j 20:45	14°♁39'08	

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Attention, astronomical year style is used: The year -998 in astronomical counting style is the year 999 BCE in historical counting style.

retrograde	-998 Nov 12 j 04:13	22°♄21'35		max. Earth dist.	-992 Sep 28 j 20:15	26°♃38'57	10.98086 AU
opposition	-997 Jan 17 j 23:57	18°♄58'00	1°04'01	morning rise	-992 Oct 15 j 12:43	28°♃36'45	
min. Earth dist.	-997 Jan 17 j 16:56	18°♄59'24	8.34436 AU		-992 Oct 27 j 18:05	0°♄	
direct	-997 Mar 27 j 22:41	15°♄29'41		retrograde	-991 Jan 22 j 15:20	5°♄34'34	
evening set	-997 Jul 12 j 05:45	23°♄26'56		opposition	-991 Apr 01 j 23:25	2°♄17'31	2°52'05
				min. Earth dist.	-991 Apr 02 j 01:54	2°♄17'03	9.02075 AU
conjunction	-997 Jul 30 j 00:15	25°♄39'21	1°06'32		-991 May 05 j 22:06	30°♃	
minimum elong	-997 Jul 30 j 00:12	25°♄39'20	1°06'33	direct	-991 Jun 12 j 09:14	28°♃55'53	
max. Earth dist.	-997 Jul 30 j 07:38	25°♄41'39	10.40813 AU		-991 Jul 19 j 06:34	0°♄	
morning rise	-997 Aug 16 j 13:53	27°♄50'16		evening set	-991 Sep 23 j 19:49	6°♄06'34	
	-997 Sep 03 j 20:10	0°♄					
retrograde	-997 Nov 25 j 02:59	5°♄22'32		conjunction	-991 Oct 10 j 11:11	8°♄03'15	2°19'01
opposition	-996 Jan 31 j 06:07	2°♄00'33	1°38'40	minimum elong	-991 Oct 10 j 11:12	8°♄03'15	2°19'00
min. Earth dist.	-996 Jan 31 j 00:39	2°♄01'38	8.47217 AU	max. Earth dist.	-991 Oct 10 j 07:12	8°♄02'05	11.05183 AU
	-996 Feb 27 j 10:31	30°♃		morning rise	-991 Oct 26 j 23:20	9°♄59'03	
direct	-996 Apr 09 j 19:14	28°♄33'11		retrograde	-990 Feb 03 j 05:59	16°♄54'08	
	-996 May 21 j 17:23	0°♄		opposition	-990 Apr 14 j 00:16	13°♄37'19	2°45'48
evening set	-996 Jul 24 j 21:55	6°♄22'16		min. Earth dist.	-990 Apr 14 j 04:47	13°♄36'29	9.08100 AU
				direct	-990 Jun 24 j 12:05	10°♄16'39	
conjunction	-996 Aug 11 j 11:08	8°♄31'23	1°32'30	evening set	-990 Oct 05 j 05:38	17°♄22'03	
minimum elong	-996 Aug 11 j 11:05	8°♄31'22	1°32'31				
max. Earth dist.	-996 Aug 11 j 16:40	8°♄33'06	10.53676 AU	conjunction	-990 Oct 21 j 18:56	19°♄17'41	2°11'22
morning rise	-996 Aug 28 j 19:08	10°♄38'57		minimum elong	-990 Oct 21 j 18:58	19°♄17'41	2°11'22
	-996 Oct 07 j 13:09	15°♄		max. Earth dist.	-990 Oct 21 j 12:47	19°♄15'52	11.10077 AU
retrograde	-996 Dec 06 j 18:28	18°♄01'52		morning rise	-990 Nov 07 j 06:01	21°♄12'39	
	-995 Feb 08 j 06:21	15°♃		retrograde	-989 Feb 14 j 18:16	28°♄06'32	
opposition	-995 Feb 12 j 06:04	14°♄41'22	2°07'24	opposition	-989 Apr 25 j 23:10	24°♄49'42	2°33'18
min. Earth dist.	-995 Feb 12 j 02:39	14°♄42'02	8.60101 AU	min. Earth dist.	-989 Apr 26 j 04:52	24°♄48'39	9.11807 AU
direct	-995 Apr 23 j 07:25	11°♄15'05		direct	-989 Jul 06 j 09:54	21°♄29'53	
	-995 Jul 02 j 10:57	15°♄		evening set	-989 Oct 16 j 11:22	28°♄31'15	
evening set	-995 Aug 07 j 02:50	18°♄55'45			-989 Oct 29 j 05:39	0°♄	
conjunction	-995 Aug 24 j 10:31	21°♄01'39	1°53'22	conjunction	-989 Nov 01 j 23:36	0°♄26'19	1°58'47
minimum elong	-995 Aug 24 j 10:28	21°♄01'38	1°53'23	minimum elong	-989 Nov 01 j 23:39	0°♄26'20	1°58'46
max. Earth dist.	-995 Aug 24 j 13:35	21°♄02'35	10.66349 AU	max. Earth dist.	-989 Nov 01 j 16:33	0°♄24'15	11.12597 AU
morning rise	-995 Sep 10 j 13:09	23°♄06'01		morning rise	-989 Nov 18 j 10:20	2°♄21'00	
	-995 Nov 29 j 06:54	0°♄		retrograde	-988 Feb 26 j 08:47	9°♄15'16	
retrograde	-995 Dec 19 j 01:20	0°♄20'42		opposition	-988 May 06 j 21:13	5°♄58'10	2°15'06
	-994 Jan 07 j 23:38	30°♃		min. Earth dist.	-988 May 07 j 03:08	5°♄57'05	9.13067 AU
opposition	-994 Feb 24 j 23:59	27°♄01'26	2°29'22	direct	-988 Jul 17 j 06:03	2°♄39'04	
min. Earth dist.	-994 Feb 24 j 22:28	27°♄01'44	8.72529 AU	evening set	-988 Oct 26 j 14:47	9°♄37'44	
direct	-994 May 06 j 12:40	23°♄36'20					
	-994 Aug 10 j 00:33	0°♄		conjunction	-988 Nov 12 j 02:49	11°♄32'46	1°41'44
evening set	-994 Aug 19 j 20:57	1°♄08'39		minimum elong	-988 Nov 12 j 02:51	11°♄32'47	1°41'43
				max. Earth dist.	-988 Nov 11 j 19:37	11°♄30'40	11.12655 AU
conjunction	-994 Sep 05 j 23:26	3°♄11'35	2°08'34	morning rise	-988 Nov 28 j 13:57	13°♄27'39	
minimum elong	-994 Sep 05 j 23:23	3°♄11'35	2°08'34		-988 Dec 12 j 08:30	15°♄	
max. Earth dist.	-994 Sep 05 j 23:50	3°♄11'43	10.78296 AU	retrograde	-987 Mar 09 j 02:42	20°♄23'52	
morning rise	-994 Sep 22 j 21:15	5°♄13'08		opposition	-987 May 18 j 19:52	17°♄06'18	1°51'51
retrograde	-994 Dec 31 j 01:19	12°♄20'48		min. Earth dist.	-987 May 19 j 02:26	17°♄05'06	9.11844 AU
opposition	-993 Mar 09 j 12:10	9°♄02'31	2°44'08		-987 Jun 18 j 23:02	15°♄	
min. Earth dist.	-993 Mar 09 j 11:53	9°♄02'35	8.83969 AU	direct	-987 Jul 28 j 22:23	13°♄47'45	
direct	-993 May 19 j 11:37	5°♄38'36			-987 Sep 05 j 21:00	15°♄	
evening set	-993 Sep 01 j 04:57	13°♄02'59		evening set	-987 Nov 06 j 17:42	20°♄45'07	
conjunction	-993 Sep 18 j 02:57	15°♄03'22	2°17'52	conjunction	-987 Nov 23 j 06:03	22°♄40'35	1°20'48
minimum elong	-993 Sep 18 j 02:56	15°♄03'21	2°17'52	minimum elong	-987 Nov 23 j 06:06	22°♄40'36	1°20'47
max. Earth dist.	-993 Sep 18 j 01:50	15°♄03'01	10.89018 AU	max. Earth dist.	-987 Nov 22 j 21:39	22°♄38'07	11.10247 AU
morning rise	-993 Oct 04 j 20:39	17°♄02'28		morning rise	-987 Dec 09 j 18:32	24°♄36'11	
retrograde	-992 Jan 11 j 22:58	24°♄04'29			-986 Feb 03 j 20:01	0°♄	
opposition	-992 Mar 20 j 19:41	20°♄46'57	2°51'38	retrograde	-986 Mar 20 j 21:13	1°♄35'56	
min. Earth dist.	-992 Mar 20 j 20:28	20°♄46'48	8.93941 AU		-986 May 06 j 10:07	30°♃	
direct	-992 May 31 j 01:59	17°♄24'13		opposition	-986 May 30 j 20:03	28°♄17'39	1°24'14
evening set	-992 Sep 12 j 04:04	24°♄41'18		min. Earth dist.	-986 May 31 j 03:41	28°♄16'15	9.08179 AU
				direct	-986 Aug 09 j 13:31	24°♄59'24	
conjunction	-992 Sep 28 j 22:23	26°♄39'35	2°21'17		-986 Oct 31 j 10:09	0°♄	
minimum elong	-992 Sep 28 j 22:23	26°♄39'35	2°21'17	evening set	-986 Nov 17 j 22:09	1°♄57'04	

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Attention, astronomical year style is used: The year -986 in astronomical counting style is the year 987 BCE in historical counting style.

conjunction	-986 Dec 04 j 11:22	3°♄53'24	0°56'38	evening set	-979 Jan 27 j 07:50	13°♁51'19	
minimum elong	-986 Dec 04 j 11:24	3°♄53'25	0°56'37		-979 Feb 05 j 12:38	15°♁	
max. Earth dist.	-986 Dec 04 j 01:52	3°♄50'36	11.05447 AU				
morning rise	-986 Dec 21 j 01:48	5°♄50'07		conjunction	-979 Feb 13 j 10:58	15°♁59'52	-1°-45'-5
retrograde	-985 Apr 01 j 21:42	12°♄54'59		minimum elong	-979 Feb 13 j 10:55	15°♁59'51	1°45'06
opposition	-985 Jun 11 j 22:39	9°♄35'47	0°53'06	max. Earth dist.	-979 Feb 13 j 07:05	15°♁58'38	10.41162 AU
min. Earth dist.	-985 Jun 12 j 06:50	9°♄34'16	9.02190 AU	morning rise	-979 Mar 02 j 18:53	18°♁09'57	
direct	-985 Aug 21 j 07:36	6°♄17'35		retrograde	-979 Jun 17 j 12:14	26°♁10'23	
evening set	-985 Nov 29 j 05:44	13°♄17'07		opposition	-979 Aug 26 j 00:39	22°♁42'58	-2°-22'-40
				min. Earth dist.	-979 Aug 26 j 03:05	22°♁42'29	8.34855 AU
conjunction	-985 Dec 15 j 20:29	15°♄14'44	0°29'59	direct	-979 Nov 01 j 04:36	19°♁20'24	
minimum elong	-985 Dec 15 j 20:30	15°♄14'44	0°29'58	evening set	-978 Feb 09 j 19:55	27°♁01'17	
max. Earth dist.	-985 Dec 15 j 11:35	15°♄12'05	10.98409 AU				
morning rise	-984 Jan 01 j 13:08	17°♄12'58		conjunction	-978 Feb 27 j 02:36	29°♁12'36	-2°-3'-18
retrograde	-984 Apr 13 j 04:15	24°♄24'29		minimum elong	-978 Feb 27 j 02:33	29°♁12'35	2°03'20
opposition	-984 Jun 23 j 05:05	21°♄04'09	0°19'21	max. Earth dist.	-978 Feb 27 j 00:27	29°♁11'55	10.28582 AU
min. Earth dist.	-984 Jun 23 j 12:24	21°♄02'47	8.94086 AU		-978 Mar 05 j 07:14	0°♄	
direct	-984 Sep 01 j 02:35	17°♄45'48		morning rise	-978 Mar 16 j 14:03	1°♄25'30	
evening set	-984 Dec 09 j 18:16	24°♄48'45		retrograde	-978 Jul 01 j 20:03	9°♄36'00	
				opposition	-978 Sep 08 j 19:17	6°♄07'20	-2°-41'-55
conjunction	-984 Dec 26 j 10:55	26°♄48'00	0°01'44	min. Earth dist.	-978 Sep 08 j 19:52	6°♄07'13	8.22744 AU
minimum elong	-984 Dec 26 j 10:55	26°♄48'00	0°01'44	direct	-978 Nov 14 j 12:13	2°♄43'29	
behind sun begin	-984 Dec 26 j 03:55	26°♄45'56		evening set	-977 Feb 23 j 19:36	10°♄34'19	
behind sun end	-984 Dec 26 j 17:55	26°♄50'05					
max. Earth dist.	-984 Dec 26 j 02:55	26°♄45'38	10.89376 AU	conjunction	-977 Mar 13 j 06:06	12°♄48'25	-2°-15'-13
morning rise	-983 Jan 12 j 06:07	28°♄48'07		minimum elong	-977 Mar 13 j 06:05	12°♄48'25	2°15'15
desc. node	-983 Jan 17 j 11:17	29°♄24'33		max. Earth dist.	-977 Mar 13 j 05:32	12°♄48'14	10.17031 AU
	-983 Jan 22 j 15:22	0°♄		morning rise	-977 Mar 30 j 21:20	15°♄04'05	
retrograde	-983 Apr 25 j 18:47	6°♄07'43		retrograde	-977 Jul 16 j 10:18	23°♄23'11	
opposition	-983 Jul 05 j 16:11	2°♄46'04	0°-15'-54	opposition	-977 Sep 22 j 20:06	19°♄53'32	-2°-52'-32
min. Earth dist.	-983 Jul 05 j 22:34	2°♄44'52	8.84161 AU	min. Earth dist.	-977 Sep 22 j 19:07	19°♄53'44	8.12047 AU
	-983 Aug 18 j 08:37	30°♄		direct	-977 Nov 28 j 04:43	16°♄28'20	
direct	-983 Sep 13 j 01:13	29°♄27'20		evening set	-976 Mar 09 j 06:23	24°♄28'36	
	-983 Oct 08 j 07:20	0°♄					
evening set	-983 Dec 21 j 13:50	6°♄35'17		conjunction	-976 Mar 26 j 21:05	26°♄45'23	-2°-19'-35
				minimum elong	-976 Mar 26 j 21:05	26°♄45'24	2°19'37
conjunction	-982 Jan 07 j 08:34	8°♄36'30	0°-27'-13	max. Earth dist.	-976 Mar 26 j 22:26	26°♄45'50	10.07303 AU
minimum elong	-982 Jan 07 j 08:33	8°♄36'30	0°27'14	morning rise	-976 Apr 13 j 16:11	29°♄03'35	
max. Earth dist.	-982 Jan 07 j 00:42	8°♄34'07	10.78687 AU		-976 Apr 21 j 02:53	0°♄	
morning rise	-982 Jan 24 j 06:44	10°♄38'48		retrograde	-976 Jul 30 j 05:00	7°♄28'51	
retrograde	-982 May 08 j 16:48	18°♄07'37		opposition	-976 Oct 06 j 01:51	3°♄58'32	-2°-53'-7
opposition	-982 Jul 18 j 08:38	14°♄44'36	0°-51'-21	min. Earth dist.	-976 Oct 05 j 23:28	3°♄59'01	8.03520 AU
min. Earth dist.	-982 Jul 18 j 14:35	14°♄43'29	8.72796 AU	direct	-976 Dec 11 j 05:10	0°♄32'00	
direct	-982 Sep 25 j 03:09	11°♄25'13		evening set	-975 Mar 24 j 02:42	8°♄40'27	
evening set	-981 Jan 02 j 17:48	18°♄39'42					
				conjunction	-975 Apr 10 j 21:46	10°♄59'35	-2°-15'-37
conjunction	-981 Jan 19 j 14:53	20°♄43'08	0°-55'-32	minimum elong	-975 Apr 10 j 21:48	10°♄59'36	2°15'39
minimum elong	-981 Jan 19 j 14:51	20°♄43'07	0°55'33	max. Earth dist.	-975 Apr 11 j 01:19	11°♄00'45	10.00085 AU
max. Earth dist.	-981 Jan 19 j 07:17	20°♄40'48	10.66760 AU	morning rise	-975 Apr 28 j 20:33	13°♄19'53	
morning rise	-981 Feb 05 j 16:14	22°♄47'52		retrograde	-975 Aug 14 j 02:04	21°♄48'12	
	-981 Apr 28 j 15:44	0°♁		opposition	-975 Oct 20 j 11:00	18°♄17'35	-2°-43'-2
retrograde	-981 May 21 j 22:01	0°♁26'53		min. Earth dist.	-975 Oct 20 j 07:12	18°♄18'23	7.97752 AU
	-981 Jun 14 j 08:20	30°♄		direct	-975 Dec 25 j 13:21	14°♄49'51	
opposition	-981 Jul 31 j 07:23	27°♄02'23	-1°-25'-28	evening set	-974 Apr 08 j 06:13	23°♄04'30	
min. Earth dist.	-981 Jul 31 j 12:53	27°♄01'20	8.60448 AU				
direct	-981 Oct 07 j 12:16	23°♄42'07		conjunction	-974 Apr 26 j 05:22	25°♄25'25	-2°-3'-12
	-980 Jan 06 j 08:12	0°♁		minimum elong	-974 Apr 26 j 05:25	25°♄25'27	2°03'13
evening set	-980 Jan 15 j 07:19	1°♁04'27		max. Earth dist.	-974 Apr 26 j 11:14	25°♄27'22	9.95879 AU
				morning rise	-974 May 14 j 07:11	27°♄47'11	
conjunction	-980 Feb 01 j 07:13	3°♁10'20	-1°-21'-59		-974 May 31 j 23:34	0°♄	
minimum elong	-980 Feb 01 j 07:10	3°♁10'20	1°22'00	retrograde	-974 Aug 28 j 22:08	6°♄15'05	
max. Earth dist.	-980 Feb 01 j 01:17	3°♁08'30	10.54076 AU	opposition	-974 Nov 03 j 21:32	2°♄44'36	-2°-22'-34
morning rise	-980 Feb 18 j 11:48	5°♁17'41		min. Earth dist.	-974 Nov 03 j 16:12	2°♄45'43	7.95147 AU
retrograde	-980 Jun 03 j 12:10	13°♁07'26			-974 Dec 11 j 23:51	30°♄	
opposition	-980 Aug 12 j 12:44	9°♁41'26	-1°-56'-32	direct	-973 Jan 09 j 03:24	29°♄15'52	
min. Earth dist.	-980 Aug 12 j 16:53	9°♁40'38	8.47624 AU		-973 Feb 06 j 03:23	0°♄	
direct	-980 Oct 19 j 05:32	6°♁20'06		evening set	-973 Apr 23 j 13:58	7°♄34'15	

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Attention, astronomical year style is used: The year -973 in astronomical counting style is the year 974 BCE in historical counting style.

conjunction	-973 May 11 j 16:31	9°♄56'14	-1°-42'-58	opposition	-967 Jan 24 j 17:01	26°♄25'30	1°23'35
minimum elong	-973 May 11 j 16:34	9°♄56'15	1°42'59	min. Earth dist.	-967 Jan 24 j 11:15	26°♄26'39	8.40333 AU
max. Earth dist.	-973 May 12 j 00:41	9°♄58'55	9.94984 AU	direct	-967 Apr 04 j 00:38	22°♄57'07	
morning rise	-973 May 29 j 20:23	12°♄18'37			-967 Jul 12 j 06:06	0°♄	
	-973 Jun 20 j 12:57	15°♄		evening set	-967 Jul 19 j 04:26	0°♄50'02	
retrograde	-973 Sep 12 j 14:55	20°♄42'43					
opposition	-973 Nov 18 j 07:28	17°♄12'45	-1°-52'-59	conjunction	-967 Aug 05 j 20:02	3°♄00'42	1°21'15
min. Earth dist.	-973 Nov 18 j 00:30	17°♄14'13	7.95887 AU	minimum elong	-967 Aug 05 j 19:58	3°♄00'41	1°21'16
	-973 Dec 17 j 03:22	15°♄♄		max. Earth dist.	-967 Aug 06 j 01:57	3°♄02'33	10.46890 AU
direct	-972 Jan 23 j 20:28	13°♄43'17		morning rise	-967 Aug 23 j 06:50	5°♄09'52	
	-972 Mar 01 j 05:35	15°♄		retrograde	-967 Dec 01 j 10:18	12°♄36'55	
evening set	-972 May 07 j 22:43	22°♄02'43		opposition	-966 Feb 06 j 19:29	9°♄15'16	1°55'06
				min. Earth dist.	-966 Feb 06 j 14:22	9°♄16'16	8.53471 AU
conjunction	-972 May 26 j 03:28	24°♄24'50	-1°-16'-18	direct	-966 Apr 17 j 16:44	5°♄48'01	
minimum elong	-972 May 26 j 03:31	24°♄24'51	1°16'18	evening set	-966 Aug 01 j 13:53	13°♄32'25	
max. Earth dist.	-972 May 26 j 13:25	24°♄28'06	9.97440 AU		-966 Aug 13 j 14:23	15°♄	
morning rise	-972 Jun 13 j 08:02	26°♄46'55					
	-972 Jul 09 j 16:53	0°♄		conjunction	-966 Aug 19 j 00:09	15°♄39'48	1°44'30
retrograde	-972 Sep 26 j 02:24	5°♄04'17		minimum elong	-966 Aug 19 j 00:06	15°♄39'47	1°44'31
opposition	-972 Dec 01 j 14:58	1°♄35'14	-1°-16'-29	max. Earth dist.	-966 Aug 19 j 04:52	15°♄41'15	10.60006 AU
min. Earth dist.	-972 Dec 01 j 06:56	1°♄36'54	7.99894 AU	morning rise	-966 Sep 05 j 05:22	17°♄45'38	
	-972 Dec 21 j 11:23	30°♄♄		retrograde	-966 Dec 13 j 21:08	25°♄03'51	
direct	-971 Feb 06 j 13:59	28°♄05'19		opposition	-965 Feb 19 j 15:35	21°♄43'38	2°20'11
	-971 Mar 25 j 01:01	0°♄		min. Earth dist.	-965 Feb 19 j 11:32	21°♄44'25	8.66489 AU
evening set	-971 May 23 j 05:19	6°♄23'10		direct	-965 May 01 j 00:27	18°♄17'42	
				evening set	-965 Aug 14 j 12:32	25°♄53'36	
conjunction	-971 Jun 10 j 10:33	8°♄44'28	0°-45'-7				
minimum elong	-971 Jun 10 j 10:36	8°♄44'29	0°45'07	conjunction	-965 Aug 31 j 17:34	27°♄57'52	2°02'18
max. Earth dist.	-971 Jun 10 j 21:21	8°♄47'59	10.03038 AU	minimum elong	-965 Aug 31 j 17:31	27°♄57'51	2°02'18
morning rise	-971 Jun 28 j 14:08	11°♄05'14		max. Earth dist.	-965 Aug 31 j 21:01	27°♄58'55	10.72687 AU
retrograde	-971 Oct 10 j 07:07	19°♄13'41		morning rise	-965 Sep 17 j 17:30	0°♄00'39	
opposition	-971 Dec 15 j 18:17	15°♄45'51	0°-35'-48		-965 Sep 17 j 15:18	0°♄	
min. Earth dist.	-971 Dec 15 j 10:01	15°♄47'34	8.06873 AU	retrograde	-965 Dec 26 j 00:59	7°♄11'12	
direct	-970 Feb 21 j 04:48	12°♄15'50		opposition	-964 Mar 03 j 05:54	3°♄52'18	2°38'13
evening set	-970 Jun 07 j 06:33	20°♄29'46		min. Earth dist.	-964 Mar 03 j 03:57	3°♄52'40	8.78788 AU
				direct	-964 May 13 j 00:43	0°♄27'43	
conjunction	-970 Jun 25 j 10:29	22°♄49'19	0°-11'-42	evening set	-964 Aug 26 j 00:58	7°♄55'29	
minimum elong	-970 Jun 25 j 10:29	22°♄49'19	0°11'43				
behind sun begin	-970 Jun 25 j 05:24	22°♄47'42		conjunction	-964 Sep 12 j 01:03	9°♄56'58	2°14'17
behind sun end	-970 Jun 25 j 15:34	22°♄50'56		minimum elong	-964 Sep 12 j 01:01	9°♄56'57	2°14'17
max. Earth dist.	-970 Jun 25 j 21:13	22°♄52'46	10.11377 AU	max. Earth dist.	-964 Sep 12 j 02:11	9°♄57'18	10.84378 AU
morning rise	-970 Jul 13 j 11:30	25°♄07'55		morning rise	-964 Sep 28 j 20:28	11°♄57'05	
	-970 Aug 25 j 07:15	0°♄		retrograde	-963 Jan 05 j 23:51	19°♄01'20	
retrograde	-970 Oct 24 j 04:19	3°♄06'08		opposition	-963 Mar 15 j 15:26	15°♄43'30	2°48'59
asc. node	-970 Nov 03 j 20:22	2°♄59'41		min. Earth dist.	-963 Mar 15 j 15:37	15°♄43'28	8.89848 AU
	-970 Dec 25 j 13:08	30°♄♄		direct	-963 May 25 j 17:33	12°♄20'18	
opposition	-970 Dec 29 j 16:17	29°♄39'45	0°06'10	evening set	-963 Sep 07 j 03:58	19°♄40'28	
min. Earth dist.	-970 Dec 29 j 08:35	29°♄41'19	8.16356 AU				
direct	-969 Mar 07 j 16:37	26°♄09'57		conjunction	-963 Sep 23 j 23:46	21°♄39'36	2°20'20
	-969 May 15 j 13:12	0°♄		minimum elong	-963 Sep 23 j 23:45	21°♄39'36	2°20'20
evening set	-969 Jun 21 j 23:47	4°♄18'04		max. Earth dist.	-963 Sep 23 j 22:20	21°♄39'10	10.94613 AU
				morning rise	-963 Oct 10 j 15:38	23°♄37'34	
conjunction	-969 Jul 10 j 00:46	6°♄35'06	0°21'48		-963 Dec 21 j 18:04	0°♄	
minimum elong	-969 Jul 10 j 00:45	6°♄35'06	0°21'49	retrograde	-962 Jan 17 j 16:43	0°♄36'57	
max. Earth dist.	-969 Jul 10 j 10:25	6°♄38'10	10.21905 AU		-962 Feb 14 j 03:19	30°♄♄	
morning rise	-969 Jul 27 j 21:55	8°♄50'54		opposition	-962 Mar 27 j 20:47	27°♄19'54	2°52'34
retrograde	-969 Nov 06 j 15:16	16°♄38'22		min. Earth dist.	-962 Mar 27 j 22:25	27°♄19'36	8.99233 AU
opposition	-968 Jan 12 j 08:01	13°♄13'33	0°46'42	direct	-962 Jun 07 j 04:49	23°♄58'00	
min. Earth dist.	-968 Jan 12 j 01:25	13°♄14'53	8.27734 AU		-962 Sep 08 j 11:13	0°♄	
direct	-968 Mar 20 j 23:43	9°♄44'18		evening set	-962 Sep 18 j 23:00	1°♄11'23	
evening set	-968 Jul 05 j 07:32	17°♄45'16					
				conjunction	-962 Oct 05 j 15:33	3°♄08'40	2°20'36
conjunction	-968 Jul 23 j 04:12	19°♄59'14	0°53'18	minimum elong	-962 Oct 05 j 15:33	3°♄08'40	2°20'36
minimum elong	-968 Jul 23 j 04:10	19°♄59'13	0°53'19	max. Earth dist.	-962 Oct 05 j 12:28	3°♄07'45	11.03004 AU
max. Earth dist.	-968 Jul 23 j 11:50	20°♄01'38	10.33967 AU	morning rise	-962 Oct 22 j 04:44	5°♄04'59	
morning rise	-968 Aug 09 j 20:28	22°♄11'48		retrograde	-961 Jan 29 j 09:01	12°♄00'57	
retrograde	-968 Nov 18 j 16:16	29°♄48'42		opposition	-961 Apr 08 j 22:38	8°♄44'24	2°49'15

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Attention, astronomical year style is used: The year -961 in astronomical counting style is the year 962 BCE in historical counting style.

min. Earth dist.	-961 Apr 09 j 01:09	8°♁43'56	9.06582 AU	min. Earth dist.	-955 Jun 18 j 10:22	16°♁06'21	8.98113 AU
direct	-961 Jun 19 j 10:36	5°♁23'42		direct	-955 Aug 27 j 03:09	12°♁49'51	
evening set	-961 Sep 30 j 11:33	12°♁31'16		evening set	-955 Dec 04 j 23:14	19°♁51'14	
conjunction	-961 Oct 17 j 01:49	14°♁27'14	2°15'20	conjunction	-955 Dec 21 j 14:52	21°♁49'44	0°14'34
minimum elong	-961 Oct 17 j 01:51	14°♁27'15	2°15'20	minimum elong	-955 Dec 21 j 14:53	21°♁49'44	0°14'34
max. Earth dist.	-961 Oct 16 j 21:53	14°♁26'05	11.09227 AU	behind sun begin	-955 Dec 21 j 11:40	21°♁48'47	
morning rise	-961 Nov 02 j 13:11	16°♁22'27		behind sun end	-955 Dec 21 j 18:06	21°♁50'41	
retrograde	-960 Feb 09 j 23:42	23°♁16'28		max. Earth dist.	-955 Dec 21 j 04:07	21°♁46'32	10.93559 AU
opposition	-960 Apr 19 j 22:28	20°♁00'09	2°39'30	morning rise	-954 Jan 07 j 09:01	23°♁49'00	
min. Earth dist.	-960 Apr 20 j 02:34	19°♁59'24	9.11616 AU		-954 Mar 14 j 16:32	0°♁	
direct	-960 Jun 30 j 09:21	16°♁40'30		retrograde	-954 Apr 20 j 11:17	1°♁04'56	
evening set	-960 Oct 10 j 19:14	23°♁43'21			-954 May 28 j 00:08	30°R♁	
conjunction	-960 Oct 27 j 07:55	25°♁38'32	2°04'56	opposition	-954 Jun 30 j 10:37	27°♁43'55	0°00'04
minimum elong	-960 Oct 27 j 07:57	25°♁38'33	2°04'56	min. Earth dist.	-954 Jun 30 j 19:31	27°♁42'15	8.88461 AU
max. Earth dist.	-960 Oct 27 j 02:06	25°♁36'50	11.13039 AU	desc. node	-954 Jul 01 j 02:42	27°♁40'55	
morning rise	-960 Nov 12 j 18:33	27°♁33'11		direct	-954 Sep 08 j 01:19	24°♁25'16	
	-960 Dec 05 j 03:36	0°♁		evening set	-954 Dec 16 j 15:29	1°♁31'03	
retrograde	-959 Feb 20 j 13:21	4°♁26'50		conjunction	-953 Jan 02 j 09:13	3°♁31'25	0°-14'-13
opposition	-959 May 01 j 21:10	1°♁10'26	2°23'48	minimum elong	-953 Jan 02 j 09:12	3°♁31'25	0°14'14
min. Earth dist.	-959 May 02 j 03:20	1°♁09'19	9.14131 AU	behind sun begin	-953 Jan 02 j 05:43	3°♁30'23	
	-959 May 18 j 06:13	30°R♁		behind sun end	-953 Jan 02 j 12:40	3°♁32'27	
direct	-959 Jul 12 j 06:04	27°♁51'34		max. Earth dist.	-953 Jan 01 j 23:25	3°♁28'28	10.83061 AU
	-959 Sep 03 j 01:58	0°♁		morning rise	-953 Jan 19 j 06:05	5°♁32'46	
evening set	-959 Oct 21 j 23:50	4°♁51'05		retrograde	-953 May 03 j 05:17	12°♁57'33	
conjunction	-959 Nov 07 j 11:44	6°♁45'59	1°49'51	opposition	-953 Jul 13 j 00:36	9°♁34'58	0°-35'-27
minimum elong	-959 Nov 07 j 11:46	6°♁46'00	1°49'51	min. Earth dist.	-953 Jul 13 j 08:26	9°♁33'29	8.77188 AU
max. Earth dist.	-959 Nov 07 j 03:31	6°♁43'35	11.14266 AU	direct	-953 Sep 20 j 02:32	6°♁15'35	
morning rise	-959 Nov 23 j 22:39	8°♁40'37		evening set	-953 Dec 28 j 15:23	13°♁27'19	
	-958 Feb 05 j 03:59	15°♁		conjunction	-952 Jan 14 j 11:31	15°♁29'50	0°-42'-56
retrograde	-958 Mar 04 j 04:24	15°♁35'30		minimum elong	-952 Jan 14 j 11:29	15°♁29'49	0°42'57
	-958 Mar 31 j 15:52	15°R♁		max. Earth dist.	-952 Jan 14 j 03:24	15°♁27'21	10.71137 AU
opposition	-958 May 13 j 19:33	12°♁18'43	2°02'47	morning rise	-952 Jan 31 j 11:17	17°♁33'33	
min. Earth dist.	-958 May 14 j 03:12	12°♁17'19	9.13985 AU	retrograde	-952 May 15 j 07:21	25°♁08'18	
direct	-958 Jul 24 j 00:07	9°♁00'25		opposition	-952 Jul 24 j 20:34	21°♁44'03	-1°-10'-24
	-958 Oct 24 j 13:10	15°♁		min. Earth dist.	-952 Jul 25 j 02:38	21°♁42'54	8.64747 AU
evening set	-958 Nov 02 j 02:59	15°♁58'05		direct	-952 Oct 01 j 08:59	18°♁23'45	
conjunction	-958 Nov 18 j 15:03	17°♁53'13	1°30'36	evening set	-951 Jan 09 j 00:26	25°♁42'52	
minimum elong	-958 Nov 18 j 15:05	17°♁53'14	1°30'36	conjunction	-951 Jan 25 j 23:10	27°♁47'48	-1°-10'-24
max. Earth dist.	-958 Nov 18 j 05:57	17°♁50'33	11.12811 AU	minimum elong	-951 Jan 25 j 23:08	27°♁47'47	1°10'26
morning rise	-958 Dec 05 j 02:54	19°♁48'22		max. Earth dist.	-951 Jan 25 j 16:03	27°♁45'36	10.58279 AU
retrograde	-957 Mar 15 j 22:21	26°♁46'10		morning rise	-951 Feb 12 j 02:11	29°♁54'07	
opposition	-957 May 25 j 18:57	23°♁28'42	1°37'04		-951 Feb 12 j 21:40	0°♁	
min. Earth dist.	-957 May 26 j 02:55	23°♁27'15	9.11150 AU	retrograde	-951 May 28 j 18:52	7°♁39'35	
direct	-957 Aug 04 j 17:09	20°♁10'45		opposition	-951 Aug 06 j 23:02	4°♁13'41	-1°-43'-6
evening set	-957 Nov 13 j 06:42	27°♁08'06		min. Earth dist.	-951 Aug 07 j 03:47	4°♁12'46	8.51660 AU
conjunction	-957 Nov 29 j 19:33	29°♁03'58	1°07'49	direct	-951 Oct 13 j 21:36	0°♁52'17	
minimum elong	-957 Nov 29 j 19:35	29°♁03'58	1°07'48	evening set	-950 Jan 21 j 20:08	8°♁20'01	
max. Earth dist.	-957 Nov 29 j 10:14	29°♁01'13	11.08726 AU	conjunction	-950 Feb 07 j 21:44	10°♁27'34	-1°-35'-13
	-957 Dec 07 j 18:15	0°♁		minimum elong	-950 Feb 07 j 21:41	10°♁27'33	1°35'15
morning rise	-957 Dec 16 j 08:51	1°♁00'03		max. Earth dist.	-950 Feb 07 j 15:36	10°♁25'39	10.45048 AU
retrograde	-956 Mar 26 j 22:26	8°♁02'24		morning rise	-950 Feb 25 j 04:13	12°♁36'39	
opposition	-956 Jun 05 j 20:36	4°♁44'01	1°07'27		-950 Mar 17 j 08:43	15°♁	
min. Earth dist.	-956 Jun 06 j 04:45	4°♁42'31	9.05776 AU	retrograde	-950 Jun 11 j 15:22	20°♁33'01	
direct	-956 Aug 15 j 10:07	1°♁26'07		opposition	-950 Aug 20 j 08:12	17°♁05'36	-2°-11'-45
evening set	-956 Nov 23 j 12:55	8°♁24'41		min. Earth dist.	-950 Aug 20 j 11:50	17°♁04'53	8.38521 AU
conjunction	-956 Dec 10 j 02:56	10°♁21'40	0°42'12	direct	-950 Sep 17 j 23:41	15°R♁	
minimum elong	-956 Dec 10 j 02:58	10°♁21'41	0°42'11		-950 Oct 26 j 16:50	13°♁42'57	
max. Earth dist.	-956 Dec 09 j 16:44	10°♁18'40	11.02220 AU	evening set	-950 Dec 03 j 14:23	15°♁	
morning rise	-956 Dec 26 j 18:25	12°♁19'10		conjunction	-949 Feb 21 j 08:01	23°♁30'31	-1°-55'-51
retrograde	-955 Apr 08 j 01:33	19°♁27'34					
opposition	-955 Jun 18 j 01:33	16°♁07'59	0°34'46				

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Attention, astronomical year style is used: The year -949 in astronomical counting style is the year 950 BCE in historical counting style.

minimum elong	-949 Feb 21 j 07:58	23° $\approx$ 30'30	1°55'52	evening set	-943 May 01 j 13:04	15° $\text{U}$ 54'15	
max. Earth dist.	-949 Feb 21 j 03:44	23° $\approx$ 29'10	10.32076 AU				
morning rise	-949 Mar 10 j 18:03	25° $\approx$ 42'25		conjunction	-943 May 19 j 16:57	18° $\text{U}$ 16'31	-1°-28'-44
	-949 Apr 17 j 06:33	0° $\text{X}$		minimum elong	-943 May 19 j 17:00	18° $\text{U}$ 16'32	1°28'45
retrograde	-949 Jun 25 j 18:30	3° $\text{X}$ 49'19		max. Earth dist.	-943 May 20 j 02:57	18° $\text{U}$ 19'48	9.95604 AU
opposition	-949 Sep 03 j 00:19	0° $\text{X}$ 20'33	-2°-34'-22	morning rise	-943 Jun 06 j 21:28	20° $\text{U}$ 38'57	
min. Earth dist.	-949 Sep 03 j 02:24	0° $\text{X}$ 20'08	8.25988 AU	retrograde	-943 Sep 20 j 04:35	29° $\text{U}$ 00'03	
	-949 Sep 07 j 07:12	30° $\text{R}$ $\approx$		opposition	-943 Nov 25 j 17:43	25° $\text{U}$ 30'42	-1°-33'-14
direct	-949 Nov 08 j 22:16	26° $\approx$ 56'36		min. Earth dist.	-943 Nov 25 j 09:56	25° $\text{U}$ 32'20	7.97584 AU
	-948 Jan 07 j 05:38	0° $\text{X}$		direct	-942 Jan 31 j 10:24	22° $\text{U}$ 01'09	
evening set	-948 Feb 17 j 21:34	4° $\text{X}$ 43'46			-942 May 14 j 05:42	0° $\text{II}$	
				evening set	-942 May 16 j 21:35	0° $\text{II}$ 20'21	
conjunction	-948 Mar 06 j 06:20	6° $\text{X}$ 56'52	-2°-10'-47				
minimum elong	-948 Mar 06 j 06:18	6° $\text{X}$ 56'51	2°10'48	conjunction	-942 Jun 04 j 02:38	2° $\text{II}$ 42'10	0°-59'-13
max. Earth dist.	-948 Mar 06 j 05:01	6° $\text{X}$ 56'26	10.20046 AU	minimum elong	-942 Jun 04 j 02:41	2° $\text{II}$ 42'11	0°59'14
morning rise	-948 Mar 23 j 20:03	9° $\text{X}$ 11'33		max. Earth dist.	-942 Jun 04 j 13:24	2° $\text{II}$ 45'41	10.00252 AU
retrograde	-948 Jul 09 j 05:15	17° $\text{X}$ 27'48		morning rise	-942 Jun 22 j 07:00	5° $\text{II}$ 03'42	
opposition	-948 Sep 15 j 22:48	13° $\text{X}$ 57'54	-2°-49'-4	retrograde	-942 Oct 04 j 12:47	13° $\text{II}$ 16'40	
min. Earth dist.	-948 Sep 15 j 22:44	13° $\text{X}$ 57'54	8.14739 AU	opposition	-942 Dec 09 j 23:43	9° $\text{II}$ 48'35	0°-53'-57
direct	-948 Nov 21 j 12:04	10° $\text{X}$ 32'40		min. Earth dist.	-942 Dec 09 j 15:19	9° $\text{II}$ 50'19	8.03713 AU
evening set	-947 Mar 03 j 03:43	18° $\text{X}$ 29'29		direct	-941 Feb 15 j 03:48	6° $\text{II}$ 18'56	
				evening set	-941 Jun 01 j 02:06	14° $\text{II}$ 35'05	
conjunction	-947 Mar 20 j 16:42	20° $\text{X}$ 45'19	-2°-18'-40				
minimum elong	-947 Mar 20 j 16:41	20° $\text{X}$ 45'18	2°18'41	conjunction	-941 Jun 19 j 06:42	16° $\text{II}$ 55'30	0°-26'-27
max. Earth dist.	-947 Mar 20 j 18:30	20° $\text{X}$ 45'54	10.09647 AU	minimum elong	-941 Jun 19 j 06:43	16° $\text{II}$ 55'30	0°26'28
morning rise	-947 Apr 07 j 10:07	23° $\text{X}$ 02'37		max. Earth dist.	-941 Jun 19 j 17:41	16° $\text{II}$ 59'03	10.07858 AU
	-947 Jun 13 j 08:10	0° $\text{Y}$		morning rise	-941 Jul 07 j 09:14	19° $\text{II}$ 15'11	
retrograde	-947 Jul 23 j 22:20	1° $\text{Y}$ 26'08		retrograde	-941 Oct 18 j 13:21	27° $\text{II}$ 18'13	
	-947 Sep 02 j 22:50	30° $\text{R}$ $\text{X}$		opposition	-941 Dec 24 j 00:33	23° $\text{II}$ 51'36	0°-12'-9
opposition	-947 Sep 30 j 02:37	27° $\text{X}$ 55'27	-2°-54'-16	min. Earth dist.	-941 Dec 23 j 15:54	23° $\text{II}$ 53'22	8.12559 AU
min. Earth dist.	-947 Sep 30 j 00:04	27° $\text{X}$ 55'59	8.05442 AU	direct	-940 Feb 29 j 18:44	20° $\text{II}$ 22'09	
direct	-947 Dec 05 j 09:01	24° $\text{X}$ 28'59		asc. node	-940 Apr 11 j 16:57	21° $\text{II}$ 53'52	
	-946 Feb 24 j 23:56	0° $\text{Y}$		evening set	-940 Jun 14 j 23:45	28° $\text{II}$ 33'06	
evening set	-946 Mar 17 j 20:13	2° $\text{Y}$ 34'31			-940 Jun 26 j 10:05	0° $\text{U}$	
conjunction	-946 Apr 04 j 13:31	4° $\text{Y}$ 52'51	-2°-18'-28	conjunction	-940 Jul 03 j 02:13	0° $\text{U}$ 51'16	0°07'21
minimum elong	-946 Apr 04 j 13:32	4° $\text{Y}$ 52'51	2°18'29	minimum elong	-940 Jul 03 j 02:12	0° $\text{U}$ 51'15	0°07'22
max. Earth dist.	-946 Apr 04 j 18:07	4° $\text{Y}$ 54'21	10.01537 AU	behind sun begin	-940 Jul 02 j 19:32	0° $\text{U}$ 49'08	
morning rise	-946 Apr 22 j 10:37	7° $\text{Y}$ 12'27		behind sun end	-940 Jul 03 j 08:53	0° $\text{U}$ 53'22	
retrograde	-946 Aug 07 j 19:53	15° $\text{Y}$ 40'25		max. Earth dist.	-940 Jul 03 j 12:44	0° $\text{U}$ 54'37	10.17861 AU
opposition	-946 Oct 14 j 10:44	12° $\text{Y}$ 09'23	-2°-48'-56	morning rise	-940 Jul 21 j 01:19	3° $\text{U}$ 08'20	
min. Earth dist.	-946 Oct 14 j 06:01	12° $\text{Y}$ 10'22	7.98702 AU	retrograde	-940 Oct 31 j 04:39	11° $\text{U}$ 00'34	
direct	-946 Dec 19 j 12:56	8° $\text{Y}$ 41'49		opposition	-939 Jan 05 j 19:24	7° $\text{U}$ 35'31	0°29'20
evening set	-945 Apr 01 j 20:57	16° $\text{Y}$ 54'24		min. Earth dist.	-939 Jan 05 j 11:04	7° $\text{U}$ 37'13	8.23477 AU
				direct	-939 Mar 15 j 04:44	4° $\text{U}$ 06'34	
conjunction	-945 Apr 19 j 18:28	19° $\text{Y}$ 14'46	-2°-9'-46	evening set	-939 Jun 29 j 12:15	12° $\text{U}$ 10'42	
minimum elong	-945 Apr 19 j 18:31	19° $\text{Y}$ 14'47	2°09'47				
max. Earth dist.	-945 Apr 20 j 01:34	19° $\text{Y}$ 17'07	9.96275 AU	conjunction	-939 Jul 17 j 11:01	14° $\text{U}$ 25'59	0°39'54
morning rise	-945 May 07 j 18:55	21° $\text{Y}$ 36'07		minimum elong	-939 Jul 17 j 10:59	14° $\text{U}$ 25'58	0°39'55
	-945 Aug 13 j 02:01	0° $\text{Z}$		max. Earth dist.	-939 Jul 17 j 20:31	14° $\text{U}$ 28'59	10.29528 AU
retrograde	-945 Aug 22 j 18:11	0° $\text{Z}$ 05'13		morning rise	-939 Aug 04 j 05:26	16° $\text{U}$ 39'55	
	-945 Sep 01 j 08:56	30° $\text{R}$ $\text{Y}$		retrograde	-939 Nov 13 j 11:13	24° $\text{U}$ 21'23	
opposition	-945 Oct 28 j 21:20	26° $\text{Y}$ 34'18	-2°-32'-55	opposition	-938 Jan 19 j 07:40	20° $\text{U}$ 57'58	1°08'03
min. Earth dist.	-945 Oct 28 j 14:58	26° $\text{Y}$ 35'38	7.94998 AU	min. Earth dist.	-938 Jan 19 j 00:47	20° $\text{U}$ 59'20	8.35696 AU
direct	-944 Jan 03 j 00:23	23° $\text{Y}$ 05'48		direct	-938 Mar 29 j 07:39	17° $\text{U}$ 29'44	
	-944 Apr 05 j 05:14	0° $\text{Z}$		evening set	-938 Jul 13 j 14:18	25° $\text{U}$ 26'09	
evening set	-944 Apr 16 j 03:39	1° $\text{Z}$ 23'15					
				conjunction	-938 Jul 31 j 08:18	27° $\text{U}$ 38'14	1°09'35
conjunction	-944 May 04 j 04:52	3° $\text{Z}$ 45'00	-1°-52'-50	minimum elong	-938 Jul 31 j 08:15	27° $\text{U}$ 38'14	1°09'36
minimum elong	-944 May 04 j 04:55	3° $\text{Z}$ 45'01	1°52'51	max. Earth dist.	-938 Jul 31 j 15:45	27° $\text{U}$ 40'34	10.42091 AU
max. Earth dist.	-944 May 04 j 13:48	3° $\text{Z}$ 47'56	9.94246 AU	morning rise	-938 Aug 17 j 21:22	29° $\text{U}$ 48'50	
morning rise	-944 May 22 j 07:57	6° $\text{Z}$ 07'21			-938 Aug 19 j 10:01	0° $\text{O}$	
retrograde	-944 Sep 05 j 13:41	14° $\text{Z}$ 34'03		retrograde	-938 Nov 26 j 10:08	7° $\text{O}$ 20'10	
opposition	-944 Nov 11 j 08:15	11° $\text{Z}$ 03'43	-2°-7'-4	opposition	-937 Feb 01 j 13:14	3° $\text{O}$ 58'20	1°42'05
min. Earth dist.	-944 Nov 11 j 01:02	11° $\text{Z}$ 05'13	7.94611 AU	min. Earth dist.	-937 Feb 01 j 08:31	3° $\text{O}$ 59'16	8.48493 AU
direct	-943 Jan 16 j 16:18	7° $\text{Z}$ 34'32		direct	-937 Apr 12 j 02:16	0° $\text{O}$ 31'05	
	-943 Apr 24 j 10:44	15° $\text{Z}$		evening set	-937 Jul 27 j 05:20	8° $\text{O}$ 19'20	

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Attention, astronomical year style is used: The year -937 in astronomical counting style is the year 938 BCE in historical counting style.

conjunction	-937 Aug 13 j 17:59	10°Ω28'10	1°35'00	conjunction	-931 Oct 22 j 23:26	21°♁10'28	2°09'58
minimum elong	-937 Aug 13 j 17:56	10°Ω28'09	1°35'01	minimum elong	-931 Oct 22 j 23:27	21°♁10'29	2°09'58
max. Earth dist.	-937 Aug 13 j 22:37	10°Ω29'35	10.54902 AU	max. Earth dist.	-931 Oct 22 j 17:06	21°♁08'37	11.09694 AU
morning rise	-937 Aug 31 j 01:35	12°Ω35'26		morning rise	-931 Nov 08 j 10:32	23°♁05'32	
	-937 Sep 20 j 20:09	15°Ω		retrograde	-930 Feb 16 j 00:16	29°♁59'49	
retrograde	-937 Dec 08 j 23:32	19°Ω57'35		opposition	-930 Apr 27 j 05:11	26°♁42'54	2°31'15
opposition	-936 Feb 14 j 12:31	16°Ω37'13	2°10'05	min. Earth dist.	-930 Apr 27 j 10:36	26°♁41'54	9.11258 AU
min. Earth dist.	-936 Feb 14 j 09:47	16°Ω37'45	8.61269 AU	direct	-930 Jul 07 j 16:38	23°♁23'06	
	-936 Mar 07 j 05:10	15°RΩ			-930 Oct 14 j 01:36	0°♁	
direct	-936 Apr 24 j 14:49	13°Ω11'03		evening set	-930 Oct 17 j 16:00	0°♁24'36	
	-936 Jun 11 j 06:06	15°Ω					
evening set	-936 Aug 08 j 09:23	20°Ω51'02		conjunction	-930 Nov 03 j 04:24	2°♁19'47	1°56'49
				minimum elong	-930 Nov 03 j 04:26	2°♁19'48	1°56'48
conjunction	-936 Aug 25 j 16:33	22°Ω56'40	1°55'14	max. Earth dist.	-930 Nov 02 j 21:41	2°♁17'50	11.11896 AU
minimum elong	-936 Aug 25 j 16:30	22°Ω56'39	1°55'15	morning rise	-930 Nov 19 j 15:10	4°♁14'35	
max. Earth dist.	-936 Aug 25 j 18:27	22°Ω57'15	10.67416 AU	retrograde	-929 Feb 27 j 16:11	11°♁09'23	
morning rise	-936 Sep 11 j 18:51	25°Ω00'49		opposition	-929 May 09 j 03:37	7°♁52'11	2°12'24
	-936 Oct 29 j 13:48	0°♁		min. Earth dist.	-929 May 09 j 09:42	7°♁51'04	9.12207 AU
retrograde	-936 Dec 20 j 05:23	2°♁14'56		direct	-929 Jul 19 j 11:15	4°♁33'03	
	-935 Feb 12 j 01:38	30°RΩ		evening set	-929 Oct 28 j 19:50	11°♁31'59	
opposition	-935 Feb 26 j 05:50	28°Ω55'48	2°31'15				
min. Earth dist.	-935 Feb 26 j 04:22	28°Ω56'04	8.73495 AU	conjunction	-929 Nov 14 j 07:57	13°♁27'11	1°39'15
direct	-935 May 07 j 20:46	25°Ω30'49		minimum elong	-929 Nov 14 j 07:59	13°♁27'12	1°39'14
	-935 Jul 24 j 19:48	0°♁		max. Earth dist.	-929 Nov 14 j 00:08	13°♁24'54	11.11654 AU
evening set	-935 Aug 21 j 02:43	3°♁02'36			-929 Nov 27 j 14:02	15°♁	
				morning rise	-929 Nov 30 j 19:18	15°♁22'15	
conjunction	-935 Sep 07 j 04:51	5°♁05'20	2°09'47	retrograde	-928 Mar 10 j 08:25	22°♁19'09	
minimum elong	-935 Sep 07 j 04:48	5°♁05'19	2°09'48	opposition	-928 May 20 j 02:51	19°♁01'26	1°48'33
max. Earth dist.	-935 Sep 07 j 04:57	5°♁05'21	10.79132 AU	min. Earth dist.	-928 May 20 j 10:15	19°♁00'04	9.10700 AU
morning rise	-935 Sep 24 j 02:17	7°♁06'39		direct	-928 Jul 30 j 03:29	15°♁42'46	
retrograde	-934 Jan 01 j 07:39	14°♁14'01		evening set	-928 Nov 07 j 23:16	22°♁40'37	
opposition	-934 Mar 10 j 17:50	10°♁55'50	2°45'11				
min. Earth dist.	-934 Mar 10 j 17:24	10°♁55'54	8.84672 AU	conjunction	-928 Nov 24 j 11:41	24°♁36'17	1°17'52
direct	-934 May 20 j 17:42	7°♁32'04		minimum elong	-928 Nov 24 j 11:43	24°♁36'17	1°17'51
evening set	-934 Sep 02 j 10:01	14°♁56'00		max. Earth dist.	-928 Nov 24 j 02:30	24°♁33'35	11.08980 AU
				morning rise	-928 Dec 11 j 00:29	26°♁32'05	
conjunction	-934 Sep 19 j 07:49	16°♁56'15	2°18'25		-927 Jan 12 j 13:04	0°♁	
minimum elong	-934 Sep 19 j 07:47	16°♁56'15	2°18'25	retrograde	-927 Mar 22 j 05:00	3°♁32'42	
max. Earth dist.	-934 Sep 19 j 06:52	16°♁55'58	10.89576 AU	opposition	-927 Jun 01 j 03:42	0°♁14'14	1°20'27
morning rise	-934 Oct 06 j 01:08	18°♁55'14		min. Earth dist.	-927 Jun 01 j 11:45	0°♁12'45	9.06787 AU
retrograde	-933 Jan 13 j 03:42	25°♁57'07			-927 Jun 04 j 09:05	30°R♁	
opposition	-933 Mar 23 j 01:15	22°♁39'39	2°51'53	direct	-927 Aug 10 j 21:10	26°♁55'50	
min. Earth dist.	-933 Mar 23 j 02:36	22°♁39'24	8.94352 AU		-927 Oct 13 j 00:55	0°♁	
direct	-933 Jun 02 j 06:27	19°♁17'02		evening set	-927 Nov 19 j 04:16	3°♁54'06	
evening set	-933 Sep 14 j 08:51	26°♁33'51					
				conjunction	-927 Dec 05 j 17:45	5°♁50'41	0°53'21
conjunction	-933 Oct 01 j 02:56	28°♁32'03	2°21'10	minimum elong	-927 Dec 05 j 17:47	5°♁50'41	0°53'20
minimum elong	-933 Oct 01 j 02:56	28°♁32'03	2°21'09	max. Earth dist.	-927 Dec 05 j 08:38	5°♁47'59	11.03951 AU
max. Earth dist.	-933 Oct 01 j 00:08	28°♁31'14	10.98340 AU	morning rise	-927 Dec 22 j 08:26	7°♁47'39	
	-933 Oct 13 j 12:58	0°♁		retrograde	-926 Apr 03 j 06:01	14°♁53'33	
morning rise	-933 Oct 17 j 17:07	0°♁29'11		opposition	-926 Jun 13 j 06:59	11°♁34'06	0°48'55
retrograde	-932 Jan 24 j 20:26	7°♁27'01		min. Earth dist.	-926 Jun 13 j 14:39	11°♁32'41	9.00592 AU
opposition	-932 Apr 03 j 04:57	4°♁10'02	2°51'31	direct	-926 Aug 22 j 14:42	8°♁15'45	
min. Earth dist.	-932 Apr 03 j 08:32	4°♁09'22	9.02175 AU	evening set	-926 Nov 30 j 12:39	15°♁16'02	
direct	-932 Jun 13 j 14:56	0°♁48'27					
evening set	-932 Sep 25 j 00:26	7°♁59'03		conjunction	-926 Dec 17 j 03:43	17°♁13'55	0°26'26
				minimum elong	-926 Dec 17 j 03:44	17°♁13'56	0°26'26
conjunction	-932 Oct 11 j 15:35	9°♁55'44	2°18'14	max. Earth dist.	-926 Dec 16 j 19:24	17°♁11'27	10.96721 AU
minimum elong	-932 Oct 11 j 15:36	9°♁55'44	2°18'13	morning rise	-925 Jan 02 j 20:36	19°♁12'26	
max. Earth dist.	-932 Oct 11 j 10:20	9°♁54'11	11.05121 AU	retrograde	-925 Apr 15 j 14:28	26°♁25'08	
morning rise	-932 Oct 28 j 03:47	11°♁51'33		opposition	-925 Jun 25 j 14:10	23°♁04'32	0°14'54
retrograde	-931 Feb 04 j 10:28	18°♁46'49		min. Earth dist.	-925 Jun 25 j 21:01	23°♁03'15	8.92321 AU
opposition	-931 Apr 15 j 05:58	15°♁30'00	2°44'29	direct	-925 Sep 03 j 10:41	19°♁46'02	
min. Earth dist.	-931 Apr 15 j 10:53	15°♁29'06	9.07876 AU	desc. node	-925 Dec 02 j 16:38	25°♁44'39	
direct	-931 Jun 25 j 17:21	12°♁09'23		evening set	-925 Dec 12 j 02:15	26°♁49'52	
evening set	-931 Oct 06 j 10:07	19°♁14'49					
				conjunction	-925 Dec 28 j 19:03	28°♁49'25	0°-2'-2

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Attention, astronomical year style is used: The year -925 in astronomical counting style is the year 926 BCE in historical counting style.

minimum elong	-925 Dec 28 j 19:04	28° $\overline{\text{A}}$ 49'26	0°02'03	evening set	-918 Feb 25 j 10:59	12° $\text{K}$ 51'30	
behind sun begin	-925 Dec 28 j 12:03	28° $\overline{\text{A}}$ 47'21					
behind sun end	-925 Dec 29 j 02:04	28° $\overline{\text{A}}$ 51'30		conjunction	-918 Mar 14 j 21:47	15° $\text{K}$ 05'51	-2°-16'-6
max. Earth dist.	-925 Dec 28 j 10:43	28° $\overline{\text{A}}$ 46'57	10.87550 AU	minimum elong	-918 Mar 14 j 21:45	15° $\text{K}$ 05'50	2°16'07
	-924 Jan 07 j 14:27	0° $\overline{\text{B}}$		max. Earth dist.	-918 Mar 14 j 21:10	15° $\text{K}$ 05'39	10.16188 AU
morning rise	-924 Jan 14 j 14:36	0° $\overline{\text{B}}$ 49'52		morning rise	-918 Apr 01 j 13:26	17° $\text{K}$ 21'44	
retrograde	-924 Apr 27 j 06:09	8° $\overline{\text{B}}$ 10'43		retrograde	-918 Jul 18 j 02:24	25° $\text{K}$ 41'21	
opposition	-924 Jul 07 j 02:14	4° $\overline{\text{B}}$ 48'51	0°-20'-26	opposition	-918 Sep 24 j 11:02	22° $\text{K}$ 11'40	-2°-53'00
min. Earth dist.	-924 Jul 07 j 08:48	4° $\overline{\text{B}}$ 47'37	8.82289 AU	min. Earth dist.	-918 Sep 24 j 10:10	22° $\text{K}$ 11'51	8.11396 AU
direct	-924 Sep 14 j 08:33	1° $\overline{\text{B}}$ 29'56		direct	-918 Nov 29 j 18:45	18° $\text{K}$ 46'23	
evening set	-924 Dec 22 j 22:53	8° $\overline{\text{B}}$ 38'56		evening set	-917 Mar 11 j 22:31	26° $\text{K}$ 47'20	
conjunction	-923 Jan 08 j 17:47	10° $\overline{\text{B}}$ 40'27	0°-30'-52	conjunction	-917 Mar 29 j 13:34	29° $\text{K}$ 04'17	-2°-19'-25
minimum elong	-923 Jan 08 j 17:46	10° $\overline{\text{B}}$ 40'27	0°30'53	minimum elong	-917 Mar 29 j 13:34	29° $\text{K}$ 04'17	2°19'27
max. Earth dist.	-923 Jan 08 j 09:33	10° $\overline{\text{B}}$ 37'57	10.76793 AU	max. Earth dist.	-917 Mar 29 j 15:09	29° $\text{K}$ 04'48	10.06835 AU
morning rise	-923 Jan 25 j 16:21	12° $\overline{\text{B}}$ 43'06			-917 Apr 05 j 16:40	0° $\overline{\text{C}}$	
retrograde	-923 May 10 j 03:30	20° $\overline{\text{B}}$ 13'18		morning rise	-917 Apr 16 j 09:03	1° $\overline{\text{C}}$ 22'39	
opposition	-923 Jul 19 j 19:44	16° $\overline{\text{B}}$ 50'03	0°-55'-48	retrograde	-917 Aug 01 j 21:22	9° $\overline{\text{C}}$ 48'05	
min. Earth dist.	-923 Jul 20 j 01:58	16° $\overline{\text{B}}$ 48'52	8.70898 AU	opposition	-917 Oct 08 j 17:00	6° $\overline{\text{C}}$ 17'48	-2°-52'-16
direct	-923 Sep 26 j 12:58	13° $\overline{\text{B}}$ 30'28		min. Earth dist.	-917 Oct 08 j 14:35	6° $\overline{\text{C}}$ 18'18	8.03239 AU
evening set	-922 Jan 04 j 03:59	20° $\overline{\text{B}}$ 46'08		direct	-917 Dec 13 j 20:13	2° $\overline{\text{C}}$ 51'14	
conjunction	-922 Jan 21 j 01:25	22° $\overline{\text{B}}$ 49'53	0°-59'-1	evening set	-916 Mar 25 j 19:11	11° $\overline{\text{C}}$ 00'04	
minimum elong	-922 Jan 21 j 01:23	22° $\overline{\text{B}}$ 49'53	0°59'03	conjunction	-916 Apr 12 j 14:42	13° $\overline{\text{C}}$ 19'19	-2°-14'-24
max. Earth dist.	-922 Jan 20 j 18:29	22° $\overline{\text{B}}$ 47'45	10.64875 AU	minimum elong	-916 Apr 12 j 14:44	13° $\overline{\text{C}}$ 19'20	2°14'25
morning rise	-922 Feb 07 j 03:06	24° $\overline{\text{B}}$ 54'58		max. Earth dist.	-916 Apr 12 j 18:59	13° $\overline{\text{C}}$ 20'44	9.99990 AU
	-922 Mar 27 j 02:43	0° $\overline{\text{C}}$		morning rise	-916 Apr 30 j 13:46	15° $\overline{\text{C}}$ 39'44	
retrograde	-922 May 23 j 10:36	2° $\overline{\text{C}}$ 35'26		retrograde	-916 Aug 15 j 17:43	24° $\overline{\text{C}}$ 07'50	
	-922 Jul 22 j 00:36	30° $\overline{\text{R}}$ $\overline{\text{B}}$		opposition	-916 Oct 22 j 02:06	20° $\overline{\text{C}}$ 37'18	-2°-40'-51
opposition	-922 Aug 01 j 19:24	29° $\overline{\text{B}}$ 10'43	-1°-29'-36	min. Earth dist.	-916 Oct 21 j 21:50	20° $\overline{\text{C}}$ 38'11	7.97841 AU
min. Earth dist.	-922 Aug 02 j 00:29	29° $\overline{\text{B}}$ 09'44	8.58605 AU	direct	-916 Dec 27 j 05:47	17° $\overline{\text{C}}$ 09'34	
direct	-922 Oct 08 j 23:54	25° $\overline{\text{B}}$ 50'17		evening set	-915 Apr 09 j 23:01	25° $\overline{\text{C}}$ 24'20	
	-922 Dec 19 j 14:20	0° $\overline{\text{C}}$		conjunction	-915 Apr 27 j 22:37	27° $\overline{\text{C}}$ 45'19	-2°00'-59
evening set	-921 Jan 16 j 18:55	3° $\overline{\text{C}}$ 13'50		minimum elong	-915 Apr 27 j 22:40	27° $\overline{\text{C}}$ 45'20	2°00'59
conjunction	-921 Feb 02 j 19:13	5° $\overline{\text{C}}$ 20'04	-1°-25'-6	max. Earth dist.	-915 Apr 28 j 05:29	27° $\overline{\text{C}}$ 47'35	9.96155 AU
minimum elong	-921 Feb 02 j 19:10	5° $\overline{\text{C}}$ 20'03	1°25'08		-915 May 15 j 02:37	0° $\overline{\text{D}}$	
max. Earth dist.	-921 Feb 02 j 14:30	5° $\overline{\text{C}}$ 18'36	10.52286 AU	morning rise	-915 May 16 j 00:36	0° $\overline{\text{D}}$ 07'05	
morning rise	-921 Feb 20 j 00:01	7° $\overline{\text{C}}$ 27'45		retrograde	-915 Aug 30 j 12:43	8° $\overline{\text{D}}$ 34'24	
	-921 May 17 j 19:36	15° $\overline{\text{C}}$		opposition	-915 Nov 05 j 12:19	5° $\overline{\text{D}}$ 04'03	-2°-19'-12
retrograde	-921 Jun 06 j 03:16	15° $\overline{\text{C}}$ 18'54		min. Earth dist.	-915 Nov 05 j 06:13	5° $\overline{\text{D}}$ 05'19	7.95597 AU
	-921 Jun 25 j 12:55	15° $\overline{\text{R}}$ $\overline{\text{C}}$		direct	-914 Jan 10 j 19:21	1° $\overline{\text{D}}$ 35'21	
opposition	-921 Aug 15 j 01:37	11° $\overline{\text{C}}$ 52'43	-2°00'-7	evening set	-914 Apr 25 j 06:44	9° $\overline{\text{D}}$ 53'33	
min. Earth dist.	-921 Aug 15 j 04:42	11° $\overline{\text{C}}$ 52'07	8.45935 AU	conjunction	-914 May 13 j 09:37	12° $\overline{\text{D}}$ 15'30	-1°-39'-54
direct	-921 Oct 21 j 16:25	8° $\overline{\text{C}}$ 31'16		minimum elong	-914 May 13 j 09:40	12° $\overline{\text{D}}$ 15'31	1°39'54
	-920 Jan 21 j 03:38	15° $\overline{\text{C}}$		max. Earth dist.	-914 May 13 j 18:44	12° $\overline{\text{D}}$ 18'30	9.95612 AU
evening set	-920 Jan 29 j 20:50	16° $\overline{\text{C}}$ 03'42		morning rise	-914 May 31 j 13:30	14° $\overline{\text{D}}$ 37'47	
conjunction	-920 Feb 16 j 00:16	18° $\overline{\text{C}}$ 12'33	-1°-47'-38		-914 Jun 03 j 10:48	15° $\overline{\text{D}}$	
minimum elong	-920 Feb 16 j 00:14	18° $\overline{\text{C}}$ 12'33	1°47'40	retrograde	-914 Sep 14 j 05:14	23° $\overline{\text{D}}$ 01'00	
max. Earth dist.	-920 Feb 15 j 21:20	18° $\overline{\text{C}}$ 11'38	10.39588 AU	opposition	-914 Nov 19 j 21:53	19° $\overline{\text{D}}$ 31'12	-1°-48'-41
morning rise	-920 Mar 04 j 08:27	20° $\overline{\text{C}}$ 22'58		min. Earth dist.	-914 Nov 19 j 14:18	19° $\overline{\text{D}}$ 32'47	7.96671 AU
retrograde	-920 Jun 19 j 03:42	28° $\overline{\text{C}}$ 24'39		direct	-913 Jan 25 j 11:18	16° $\overline{\text{D}}$ 01'47	
opposition	-920 Aug 27 j 14:31	24° $\overline{\text{C}}$ 57'04	-2°-25'-26	evening set	-913 May 10 j 15:01	24° $\overline{\text{D}}$ 20'43	
min. Earth dist.	-920 Aug 27 j 15:52	24° $\overline{\text{C}}$ 56'48	8.33451 AU	conjunction	-913 May 28 j 19:52	26° $\overline{\text{D}}$ 42'44	-1°-12'-36
direct	-920 Nov 02 j 16:59	21° $\overline{\text{C}}$ 34'24		minimum elong	-913 May 28 j 19:56	26° $\overline{\text{D}}$ 42'45	1°12'36
evening set	-919 Feb 11 j 10:10	29° $\overline{\text{C}}$ 16'22		max. Earth dist.	-913 May 29 j 06:25	26° $\overline{\text{D}}$ 46'11	9.98386 AU
	-919 Feb 17 j 04:51	0° $\text{K}$		morning rise	-913 Jun 16 j 00:19	29° $\overline{\text{D}}$ 04'37	
conjunction	-919 Feb 28 j 17:06	1° $\text{K}$ 27'58	-2°-5'-7		-913 Jun 23 j 07:05	0° $\text{II}$	
minimum elong	-919 Feb 28 j 17:03	1° $\text{K}$ 27'57	2°05'08	retrograde	-913 Sep 28 j 16:43	7° $\text{II}$ 20'52	
max. Earth dist.	-919 Feb 28 j 15:19	1° $\text{K}$ 27'23	10.27353 AU	opposition	-913 Dec 04 j 04:49	3° $\text{II}$ 51'59	-1°-11'-35
morning rise	-919 Mar 18 j 04:57	3° $\text{K}$ 41'08		min. Earth dist.	-913 Dec 03 j 20:46	3° $\text{II}$ 53'39	8.00975 AU
retrograde	-919 Jul 03 j 11:49	11° $\text{K}$ 52'32		direct	-912 Feb 09 j 03:36	0° $\text{II}$ 22'08	
opposition	-919 Sep 10 j 09:52	8° $\text{K}$ 23'46	-2°-43'-38	evening set	-912 May 24 j 20:57	8° $\text{II}$ 39'16	
min. Earth dist.	-919 Sep 10 j 10:00	8° $\text{K}$ 23'44	8.21715 AU	conjunction	-912 Jun 12 j 02:05	11° $\text{II}$ 00'21	0°-41'-4
direct	-919 Nov 16 j 01:47	4° $\text{K}$ 59'48					



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Attention, astronomical year style is used: The year -912 in astronomical counting style is the year 913 BCE in historical counting style.

minimum elong	-912 Jun 12 j 02:07	11°II00'22	0°41'04	evening set	-906 Aug 15 j 21:16	27°Ω54'05	
max. Earth dist.	-912 Jun 12 j 12:48	11°II03'50	10.04253 AU				
morning rise	-912 Jun 30 j 05:29	13°II20'52		conjunction	-906 Sep 02 j 01:45	29°Ω58'03	2°03'58
retrograde	-912 Oct 11 j 21:07	21°II28'01		minimum elong	-906 Sep 02 j 01:42	29°Ω58'02	2°03'59
opposition	-912 Dec 17 j 07:22	18°II00'23	0°-30'-38	max. Earth dist.	-906 Sep 02 j 04:30	29°Ω58'53	10.73808 AU
min. Earth dist.	-912 Dec 16 j 23:38	18°II01'58	8.08192 AU		-906 Sep 02 j 08:11	0°η	
direct	-911 Feb 22 j 18:55	14°II30'25		morning rise	-906 Sep 19 j 01:14	2°η00'33	
evening set	-911 Jun 08 j 21:19	22°II43'30		retrograde	-906 Dec 27 j 08:23	9°η10'25	
				opposition	-905 Mar 05 j 14:12	5°η51'34	2°39'47
conjunction	-911 Jun 27 j 00:55	25°II02'44	0°-7'-35	min. Earth dist.	-905 Mar 05 j 13:12	5°η51'46	8.79799 AU
minimum elong	-911 Jun 27 j 00:55	25°II02'44	0°07'35	direct	-905 May 15 j 09:24	2°η27'02	
behind sun begin	-911 Jun 26 j 18:17	25°II00'37		evening set	-905 Aug 28 j 08:42	9°η54'04	
behind sun end	-911 Jun 27 j 07:33	25°II04'51					
max. Earth dist.	-911 Jun 27 j 10:54	25°II05'56	10.12788 AU	conjunction	-905 Sep 14 j 08:18	11°η55'19	2°15'13
morning rise	-911 Jul 15 j 01:40	27°II21'01		minimum elong	-905 Sep 14 j 08:17	11°η55'18	2°15'13
	-911 Aug 05 j 23:27	0°Ϟ		max. Earth dist.	-905 Sep 14 j 08:10	11°η55'16	10.85249 AU
asc. node	-911 Sep 20 j 02:32	4°Ϟ08'44		morning rise	-905 Oct 01 j 03:29	13°η55'15	
retrograde	-911 Oct 25 j 15:41	5°Ϟ17'52		retrograde	-904 Jan 08 j 05:08	20°η59'01	
opposition	-911 Dec 31 j 04:34	1°Ϟ51'41	0°11'13	opposition	-904 Mar 16 j 23:09	17°η41'12	2°49'40
min. Earth dist.	-911 Dec 30 j 21:28	1°Ϟ53'08	8.17832 AU	min. Earth dist.	-904 Mar 16 j 23:38	17°η41'07	8.90583 AU
	-910 Jan 24 j 06:46	30°RII		direct	-904 May 27 j 02:14	14°η18'02	
direct	-910 Mar 09 j 07:26	28°II21'58		evening set	-904 Sep 08 j 10:55	21°η37'39	
	-910 Apr 21 j 22:50	0°Ϟ					
evening set	-910 Jun 23 j 13:23	6°Ϟ29'07		conjunction	-904 Sep 25 j 06:27	23°η36'37	2°20'33
				minimum elong	-904 Sep 25 j 06:26	23°η36'37	2°20'33
conjunction	-910 Jul 11 j 13:52	8°Ϟ45'45	0°25'45	max. Earth dist.	-904 Sep 25 j 04:34	23°η36'03	10.95192 AU
minimum elong	-910 Jul 11 j 13:51	8°Ϟ45'45	0°25'46	morning rise	-904 Oct 11 j 22:04	25°η34'27	
max. Earth dist.	-910 Jul 21 j 22:34	8°Ϟ48'31	10.23425 AU		-904 Nov 23 j 15:13	0°Ϟ	
morning rise	-910 Jul 29 j 10:39	11°Ϟ01'11		retrograde	-903 Jan 19 j 00:05	2°Ϟ33'36	
retrograde	-910 Nov 08 j 00:34	18°Ϟ47'22			-903 Mar 19 j 09:29	30°Rη	
opposition	-909 Jan 13 j 19:22	15°Ϟ22'43	0°51'23	opposition	-903 Mar 29 j 04:09	29°η16'33	2°52'23
min. Earth dist.	-909 Jan 13 j 12:52	15°Ϟ24'02	8.29281 AU	min. Earth dist.	-903 Mar 29 j 05:35	29°η16'16	8.99652 AU
direct	-909 Mar 23 j 13:48	11°Ϟ53'34		direct	-903 Jun 08 j 13:35	25°η54'42	
evening set	-909 Jul 07 j 19:46	19°Ϟ53'28			-903 Aug 22 j 08:25	0°Ϟ	
				evening set	-903 Sep 20 j 05:22	3°Ϟ07'41	
conjunction	-909 Jul 25 j 15:58	22°Ϟ07'03	0°56'52				
minimum elong	-909 Jul 25 j 15:55	22°Ϟ07'02	0°56'53	conjunction	-903 Oct 06 j 21:49	5°Ϟ04'54	2°20'07
max. Earth dist.	-909 Jul 25 j 23:09	22°Ϟ09'18	10.35511 AU	minimum elong	-903 Oct 06 j 21:50	5°Ϟ04'54	2°20'07
morning rise	-909 Aug 12 j 07:45	24°Ϟ19'13		max. Earth dist.	-903 Oct 06 j 19:00	5°Ϟ04'04	11.03262 AU
	-909 Oct 05 j 09:05	0°Ω		morning rise	-903 Oct 23 j 10:45	7°Ϟ01'08	
retrograde	-909 Nov 21 j 01:46	1°Ω54'57		retrograde	-902 Jan 30 j 16:10	13°Ϟ57'05	
	-908 Jan 08 j 01:30	30°RϞ		opposition	-902 Apr 10 j 06:01	10°Ϟ40'31	2°48'15
opposition	-908 Jan 27 j 03:22	28°Ϟ31'51	1°27'39	min. Earth dist.	-902 Apr 10 j 08:51	10°Ϟ40'00	9.06678 AU
min. Earth dist.	-908 Jan 26 j 21:20	28°Ϟ33'03	8.41858 AU	direct	-902 Jun 20 j 16:42	7°Ϟ19'53	
direct	-908 Apr 05 j 12:29	25°Ϟ03'35		evening set	-902 Oct 01 j 17:32	14°Ϟ27'13	
	-908 Jun 25 j 08:28	0°Ω					
evening set	-908 Jul 20 j 15:23	2°Ω55'25		conjunction	-902 Oct 18 j 07:42	16°Ϟ23'11	2°14'11
				minimum elong	-902 Oct 18 j 07:43	16°Ϟ23'12	2°14'11
conjunction	-908 Aug 07 j 06:33	5°Ω05'44	1°24'17	max. Earth dist.	-902 Oct 18 j 03:16	16°Ϟ21'53	11.09164 AU
minimum elong	-908 Aug 07 j 06:30	5°Ω05'43	1°24'17	morning rise	-902 Nov 03 j 19:02	18°Ϟ18'25	
max. Earth dist.	-908 Aug 07 j 12:38	5°Ω07'37	10.48367 AU	retrograde	-901 Feb 11 j 06:13	25°Ϟ12'38	
morning rise	-908 Aug 24 j 16:45	7°Ω14'31		opposition	-901 Apr 22 j 05:53	21°Ϟ56'17	2°37'43
retrograde	-908 Dec 02 j 19:20	14°Ω40'31		min. Earth dist.	-901 Apr 22 j 10:52	21°Ϟ55'22	9.11400 AU
opposition	-907 Feb 08 j 05:00	11°Ω18'57	1°58'25	direct	-901 Jul 02 j 16:20	18°Ϟ36'39	
min. Earth dist.	-907 Feb 07 j 23:58	11°Ω19'56	8.54887 AU	evening set	-901 Oct 13 j 01:11	25°Ϟ39'31	
direct	-907 Apr 19 j 03:08	7°Ω51'48					
	-907 Jul 29 j 01:26	15°Ω		conjunction	-901 Oct 29 j 13:46	27°Ϟ34'45	2°03'09
evening set	-907 Aug 02 j 23:42	15°Ω35'12		minimum elong	-901 Oct 29 j 13:48	27°Ϟ34'46	2°03'09
				max. Earth dist.	-901 Oct 29 j 06:58	27°Ϟ32'46	11.12679 AU
conjunction	-907 Aug 20 j 09:30	17°Ω42'14	1°46'52	morning rise	-901 Nov 15 j 00:35	29°Ϟ29'29	
minimum elong	-907 Aug 20 j 09:27	17°Ω42'13	1°46'53		-901 Nov 19 j 11:50	0°η	
max. Earth dist.	-907 Aug 20 j 14:20	17°Ω43'43	10.61334 AU	retrograde	-900 Feb 22 j 20:10	6°η23'31	
morning rise	-907 Sep 06 j 14:05	19°Ω47'44		opposition	-900 May 03 j 04:42	3°η07'04	2°21'18
retrograde	-907 Dec 15 j 05:03	27°Ω05'04		min. Earth dist.	-900 May 03 j 11:15	3°η05'52	9.13634 AU
opposition	-906 Feb 21 j 00:28	23°Ω44'56	2°22'39		-900 Jun 27 j 19:15	30°RϞ	
min. Earth dist.	-906 Feb 20 j 21:12	23°Ω45'34	8.67727 AU	direct	-900 Jul 13 j 12:58	29°Ϟ48'13	
direct	-906 May 02 j 10:23	20°Ω19'03			-900 Jul 29 j 04:37	0°η	

Attention, astronomical year style is used: The year -900 in astronomical counting style is the year 901 BCE in historical counting style.

evening set	-900 Oct 23 j 05:48	6° $\mathbb{N}$ 47'54	
conjunction	-900 Nov 08 j 17:49	8° $\mathbb{N}$ 42'54	1°47'30
minimum elong	-900 Nov 08 j 17:51	8° $\mathbb{N}$ 42'55	1°47'30
max. Earth dist.	-900 Nov 08 j 09:41	8° $\mathbb{N}$ 40'31	11.13651 AU
morning rise	-900 Nov 25 j 04:52	10° $\mathbb{N}$ 37'40	