

Planetary Phenomena of Uranus 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.

opposition	-1400 Jan 09 j 01:57	6°♄53'44	0°32'12	max. Earth dist.	-1393 Aug 18 j 16:09	12°♃51'10	19.24730 AU
min. Earth dist.	-1400 Jan 10 j 03:36	6°♄50'56	17.35065 AU		-1393 Sep 22 j 18:33	15°♃	
direct	-1400 Mar 24 j 23:13	4°♄47'30		retrograde	-1393 Dec 04 j 22:24	17°♃18'30	
max. Earth dist.	-1400 Jul 14 j 06:18	9°♄14'17	19.33334 AU	opposition	-1392 Feb 16 j 12:00	15°♃16'16	0°49'10
				min. Earth dist.	-1392 Feb 17 j 09:09	15°♃13'58	17.25412 AU
conjunction	-1400 Jul 15 j 12:02	9°♄18'56	0°30'19		-1392 Feb 22 j 18:14	15°♃	
minimum elong	-1400 Jul 15 j 12:02	9°♄18'56	0°30'20	direct	-1392 May 03 j 05:54	13°♃09'30	
retrograde	-1400 Oct 31 j 20:36	13°♄42'48			-1392 Jul 08 j 23:40	15°♃	
opposition	-1399 Jan 13 j 01:31	11°♄40'21	0°35'18				
min. Earth dist.	-1399 Jan 14 j 02:57	11°♄37'33	17.31804 AU	conjunction	-1392 Aug 23 j 18:27	17°♃42'46	0°44'25
direct	-1399 Mar 30 j 02:00	9°♄33'54		minimum elong	-1392 Aug 23 j 18:27	17°♃42'46	0°44'26
max. Earth dist.	-1399 Jul 19 j 10:03	14°♄01'17	19.30310 AU	max. Earth dist.	-1392 Aug 22 j 19:28	17°♃39'08	19.26177 AU
				retrograde	-1392 Dec 08 j 23:59	22°♃06'03	
conjunction	-1399 Jul 20 j 16:34	14°♄06'05	0°32'59	opposition	-1391 Feb 20 j 14:32	20°♃03'57	0°49'51
minimum elong	-1399 Jul 20 j 16:34	14°♄06'05	0°33'01	min. Earth dist.	-1391 Feb 21 j 09:27	20°♃01'55	17.27173 AU
retrograde	-1399 Nov 05 j 20:01	18°♄30'09		direct	-1391 May 08 j 11:27	17°♃57'23	
opposition	-1398 Jan 18 j 01:45	16°♄27'41	0°38'09				
min. Earth dist.	-1398 Jan 19 j 03:52	16°♄24'49	17.29039 AU	conjunction	-1391 Aug 28 j 20:39	22°♃30'15	0°44'53
direct	-1398 Apr 04 j 03:27	14°♄21'02		minimum elong	-1391 Aug 28 j 20:39	22°♃30'15	0°44'55
				max. Earth dist.	-1391 Aug 28 j 00:18	22°♃27'01	19.28238 AU
conjunction	-1398 Jul 25 j 21:11	18°♄53'50	0°35'26	retrograde	-1391 Dec 13 j 23:37	26°♃53'08	
minimum elong	-1398 Jul 25 j 21:11	18°♄53'50	0°35'27	opposition	-1390 Feb 25 j 17:31	24°♃51'13	0°50'12
max. Earth dist.	-1398 Jul 24 j 15:31	18°♄49'10	19.27806 AU	min. Earth dist.	-1390 Feb 26 j 11:54	24°♃49'14	17.29515 AU
retrograde	-1398 Nov 10 j 22:08	23°♄18'00		direct	-1390 May 13 j 15:06	22°♃44'53	
opposition	-1397 Jan 23 j 02:23	21°♄15'30	0°40'45				
min. Earth dist.	-1397 Jan 24 j 03:31	21°♄12'45	17.26804 AU	conjunction	-1390 Sep 02 j 22:04	27°♃17'10	0°45'02
direct	-1397 Apr 09 j 08:04	19°♄08'43		minimum elong	-1390 Sep 02 j 22:04	27°♃17'10	0°45'03
max. Earth dist.	-1397 Jul 29 j 20:13	23°♄37'19	19.25860 AU	max. Earth dist.	-1390 Sep 02 j 02:21	27°♃14'02	19.30860 AU
					-1390 Oct 18 j 20:06	0°♄	
conjunction	-1397 Jul 31 j 01:35	23°♄41'57	0°37'37	retrograde	-1390 Dec 19 j 00:44	1°♄39'38	
minimum elong	-1397 Jul 31 j 01:35	23°♄41'57	0°37'39		-1389 Feb 22 j 05:33	30°♃	
retrograde	-1397 Nov 15 j 21:03	28°♄06'09		opposition	-1389 Mar 02 j 20:30	29°♃37'52	0°50'11
opposition	-1396 Jan 28 j 03:41	26°♄03'38	0°43'04	min. Earth dist.	-1389 Mar 03 j 12:42	29°♃36'08	17.32396 AU
min. Earth dist.	-1396 Jan 29 j 05:09	26°♄00'51	17.25176 AU	direct	-1389 May 18 j 20:02	27°♃31'47	
direct	-1396 Apr 13 j 10:41	23°♄56'43			-1389 Aug 05 j 07:13	0°♄	
max. Earth dist.	-1396 Aug 03 j 01:14	28°♄25'46	19.24553 AU				
				conjunction	-1389 Sep 07 j 23:05	2°♄03'21	0°44'53
conjunction	-1396 Aug 04 j 05:32	28°♄30'15	0°39'33	minimum elong	-1389 Sep 07 j 23:05	2°♄03'21	0°44'54
minimum elong	-1396 Aug 04 j 05:32	28°♄30'15	0°39'35	max. Earth dist.	-1389 Sep 07 j 06:14	2°♄00'41	19.33988 AU
	-1396 Aug 28 j 07:26	0°♃		retrograde	-1389 Dec 24 j 00:14	6°♄25'17	
retrograde	-1396 Nov 19 j 22:44	2°♃54'23		opposition	-1388 Mar 06 j 23:34	4°♄23'41	0°49'50
opposition	-1395 Feb 01 j 05:12	0°♃51'53	0°45'04	min. Earth dist.	-1388 Mar 07 j 14:46	4°♄22'04	17.35752 AU
min. Earth dist.	-1395 Feb 02 j 04:55	0°♃49'17	17.24191 AU	direct	-1388 May 22 j 23:38	2°♄17'53	
	-1395 Feb 21 j 14:44	30°♃					
direct	-1395 Apr 18 j 16:46	28°♄44'55		conjunction	-1388 Sep 11 j 23:08	6°♄48'35	0°44'25
	-1395 Jun 11 j 23:12	0°♃		minimum elong	-1388 Sep 11 j 23:08	6°♄48'35	0°44'25
max. Earth dist.	-1395 Aug 08 j 06:27	3°♃14'19	19.23904 AU	max. Earth dist.	-1388 Sep 11 j 06:57	6°♄46'01	19.37573 AU
				retrograde	-1388 Dec 28 j 00:29	11°♄09'57	
conjunction	-1395 Aug 09 j 09:25	3°♃18'35	0°41'12	opposition	-1387 Mar 12 j 02:25	9°♄08'29	0°49'08
minimum elong	-1395 Aug 09 j 09:25	3°♃18'35	0°41'13	min. Earth dist.	-1387 Mar 12 j 15:39	9°♄07'04	17.39548 AU
retrograde	-1395 Nov 24 j 21:23	7°♃42'35		direct	-1387 May 28 j 03:37	7°♄02'56	
opposition	-1394 Feb 06 j 07:07	5°♃40'08	0°46'46				
min. Earth dist.	-1394 Feb 07 j 06:51	5°♃37'32	17.23897 AU	conjunction	-1387 Sep 16 j 22:40	11°♄32'40	0°43'39
direct	-1394 Apr 23 j 19:58	3°♃33'09		minimum elong	-1387 Sep 16 j 22:41	11°♄32'40	0°43'39
max. Earth dist.	-1394 Aug 13 j 10:50	8°♃02'42	19.23969 AU	max. Earth dist.	-1387 Sep 16 j 09:20	11°♄30'33	19.41569 AU
				retrograde	-1386 Jan 01 j 23:17	15°♄53'22	
conjunction	-1394 Aug 14 j 12:53	8°♃06'50	0°42'35	opposition	-1386 Mar 17 j 05:03	13°♄52'02	0°48'06
minimum elong	-1394 Aug 14 j 12:53	8°♃06'50	0°42'36	min. Earth dist.	-1386 Mar 17 j 16:48	13°♄50'47	17.43724 AU
retrograde	-1394 Nov 29 j 23:11	12°♃30'39		direct	-1386 Jun 02 j 07:16	11°♄46'48	
opposition	-1393 Feb 11 j 09:20	10°♃28'17	0°48'08				
min. Earth dist.	-1393 Feb 12 j 06:50	10°♃25'57	17.24309 AU	conjunction	-1386 Sep 21 j 21:14	16°♄15'23	0°42'35
direct	-1393 Apr 29 j 02:22	8°♃21'23		minimum elong	-1386 Sep 21 j 21:14	16°♄15'23	0°42'36
				max. Earth dist.	-1386 Sep 21 j 08:50	16°♄13'26	19.45943 AU
conjunction	-1393 Aug 19 j 15:55	12°♃54'56	0°43'39	retrograde	-1385 Jan 06 j 22:06	20°♄35'23	
minimum elong	-1393 Aug 19 j 15:54	12°♃54'56	0°43'40	opposition	-1385 Mar 22 j 07:30	18°♄34'08	0°46'45

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Attention, astronomical year style is used: The year -1385 in astronomical counting style is the year 1386 BCE in historical counting style.

min. Earth dist.	-1385 Mar 22 j 17:27	18° \mathbb{M} 33'05	17.48286 AU	conjunction	-1377 Nov 01 j 13:33	27° \mathbb{L} 18'23	0°22'31
direct	-1385 Jun 07 j 10:36	16° \mathbb{M} 29'11		minimum elong	-1377 Nov 01 j 13:33	27° \mathbb{L} 18'23	0°22'30
				max. Earth dist.	-1377 Nov 01 j 22:04	27° \mathbb{L} 19'41	20.01313 AU
conjunction	-1385 Sep 26 j 18:52	20° \mathbb{M} 56'32	0°41'15		-1377 Dec 19 j 01:35	0° \mathbb{M}	
minimum elong	-1385 Sep 26 j 18:52	20° \mathbb{M} 56'32	0°41'14	retrograde	-1376 Feb 17 j 01:03	1° \mathbb{M} 30'43	
max. Earth dist.	-1385 Sep 26 j 09:24	20° \mathbb{M} 55'03	19.50694 AU		-1376 Apr 21 j 03:54	30° \mathbb{R} \mathbb{L}	
retrograde	-1384 Jan 11 j 19:28	25° \mathbb{M} 15'46		opposition	-1376 May 03 j 04:57	29° \mathbb{L} 30'36	0°23'19
opposition	-1384 Mar 26 j 09:30	23° \mathbb{M} 14'37	0°45'05	min. Earth dist.	-1376 May 02 j 18:47	29° \mathbb{L} 31'38	18.04958 AU
min. Earth dist.	-1384 Mar 26 j 17:18	23° \mathbb{M} 13'47	17.53202 AU	direct	-1376 Jul 19 j 08:45	27° \mathbb{L} 29'12	
direct	-1384 Jun 11 j 14:27	21° \mathbb{M} 09'59			-1376 Oct 07 j 08:21	0° \mathbb{M}	
				conjunction	-1376 Nov 05 j 03:02	1° \mathbb{M} 42'39	0°19'27
conjunction	-1384 Sep 30 j 15:32	25° \mathbb{M} 35'58	0°39'38	minimum elong	-1376 Nov 05 j 03:02	1° \mathbb{M} 42'39	0°19'26
minimum elong	-1384 Sep 30 j 15:33	25° \mathbb{M} 35'58	0°39'39	max. Earth dist.	-1376 Nov 05 j 13:57	1° \mathbb{M} 44'18	20.08644 AU
max. Earth dist.	-1384 Sep 30 j 07:31	25° \mathbb{M} 34'42	19.55799 AU	retrograde	-1375 Feb 20 j 16:19	5° \mathbb{M} 54'06	
retrograde	-1383 Jan 15 j 16:11	29° \mathbb{M} 54'23		opposition	-1375 May 08 j 01:26	3° \mathbb{M} 54'09	0°19'50
opposition	-1383 Mar 31 j 10:52	27° \mathbb{M} 53'18	0°43'09	min. Earth dist.	-1375 May 07 j 14:35	3° \mathbb{M} 55'15	18.12296 AU
min. Earth dist.	-1383 Mar 31 j 17:05	27° \mathbb{M} 52'38	17.58497 AU	direct	-1375 Jul 24 j 02:40	1° \mathbb{M} 53'12	
direct	-1383 Jun 16 j 16:24	25° \mathbb{M} 48'57					
	-1383 Oct 01 j 21:06	0° \mathbb{L}		conjunction	-1375 Nov 09 j 15:41	6° \mathbb{M} 05'01	0°16'18
conjunction	-1383 Oct 05 j 11:19	0° \mathbb{L} 13'31	0°37'47	minimum elong	-1375 Nov 09 j 15:41	6° \mathbb{M} 05'01	0°16'17
minimum elong	-1383 Oct 05 j 11:19	0° \mathbb{L} 13'31	0°37'46	behind sun begin	-1375 Nov 09 j 15:28	6° \mathbb{M} 05'00	
max. Earth dist.	-1383 Oct 05 j 06:07	0° \mathbb{L} 12'42	19.61285 AU	behind sun end	-1375 Nov 09 j 15:54	6° \mathbb{M} 05'03	
retrograde	-1382 Jan 20 j 12:07	4° \mathbb{L} 31'05		max. Earth dist.	-1375 Nov 10 j 03:48	6° \mathbb{M} 06'52	20.15969 AU
opposition	-1382 Apr 05 j 11:51	2° \mathbb{L} 30'04	0°40'56	retrograde	-1374 Feb 25 j 08:58	10° \mathbb{M} 15'36	
min. Earth dist.	-1382 Apr 05 j 15:15	2° \mathbb{L} 29'43	17.64158 AU	opposition	-1374 May 12 j 21:14	8° \mathbb{M} 15'48	0°16'17
direct	-1382 Jun 21 j 19:21	0° \mathbb{L} 26'04		min. Earth dist.	-1374 May 12 j 07:39	8° \mathbb{M} 17'11	18.19582 AU
				direct	-1374 Jul 28 j 22:31	6° \mathbb{M} 15'18	
conjunction	-1382 Oct 10 j 05:54	4° \mathbb{L} 49'07	0°35'42	conjunction	-1374 Nov 14 j 03:32	10° \mathbb{M} 25'30	0°13'04
minimum elong	-1382 Oct 10 j 05:54	4° \mathbb{L} 49'07	0°35'42	minimum elong	-1374 Nov 14 j 03:31	10° \mathbb{M} 25'30	0°13'04
max. Earth dist.	-1382 Oct 10 j 02:50	4° \mathbb{L} 48'38	19.67141 AU	behind sun begin	-1374 Nov 13 j 23:29	10° \mathbb{M} 24'54	
retrograde	-1381 Jan 25 j 06:57	9° \mathbb{L} 05'50		behind sun end	-1374 Nov 14 j 07:34	10° \mathbb{M} 26'06	
opposition	-1381 Apr 10 j 12:24	7° \mathbb{L} 04'54	0°38'29	max. Earth dist.	-1374 Nov 14 j 18:00	10° \mathbb{M} 27'41	20.23192 AU
min. Earth dist.	-1381 Apr 10 j 14:08	7° \mathbb{L} 04'43	17.70216 AU	retrograde	-1373 Mar 01 j 23:11	14° \mathbb{M} 35'14	
direct	-1381 Jun 26 j 19:17	5° \mathbb{L} 01'16		opposition	-1373 May 17 j 16:27	12° \mathbb{M} 35'32	0°12'39
				min. Earth dist.	-1373 May 17 j 02:18	12° \mathbb{M} 36'59	18.26742 AU
conjunction	-1381 Oct 14 j 23:41	9° \mathbb{L} 22'45	0°33'24	direct	-1373 Aug 02 j 15:30	10° \mathbb{M} 35'27	
minimum elong	-1381 Oct 14 j 23:41	9° \mathbb{L} 22'45	0°33'24				
max. Earth dist.	-1381 Oct 14 j 23:18	9° \mathbb{L} 22'42	19.73395 AU	conjunction	-1373 Nov 18 j 14:39	14° \mathbb{M} 44'03	0°09'48
retrograde	-1380 Jan 30 j 02:08	13° \mathbb{L} 38'35		minimum elong	-1373 Nov 18 j 14:39	14° \mathbb{M} 44'03	0°09'46
opposition	-1380 Apr 14 j 12:05	11° \mathbb{L} 37'47	0°35'49	behind sun begin	-1373 Nov 18 j 09:15	14° \mathbb{M} 43'15	
min. Earth dist.	-1380 Apr 14 j 10:36	11° \mathbb{L} 37'57	17.76644 AU	behind sun end	-1373 Nov 18 j 20:03	14° \mathbb{M} 44'50	
direct	-1380 Jun 30 j 20:07	9° \mathbb{L} 34'33		max. Earth dist.	-1373 Nov 19 j 05:52	14° \mathbb{M} 46'20	20.30272 AU
					-1373 Nov 23 j 00:11	15° \mathbb{M}	
conjunction	-1380 Oct 18 j 16:29	13° \mathbb{L} 54'28	0°30'55	retrograde	-1372 Mar 05 j 14:11	18° \mathbb{M} 52'56	
minimum elong	-1380 Oct 18 j 16:29	13° \mathbb{L} 54'28	0°30'55	opposition	-1372 May 21 j 10:32	16° \mathbb{M} 53'19	0°08'58
max. Earth dist.	-1380 Oct 18 j 18:29	13° \mathbb{L} 54'46	19.79996 AU	min. Earth dist.	-1372 May 20 j 18:02	16° \mathbb{M} 55'00	18.33730 AU
retrograde	-1379 Feb 02 j 19:40	18° \mathbb{L} 09'26			-1372 Jul 21 j 10:06	15° \mathbb{R} \mathbb{M}	
opposition	-1379 Apr 19 j 11:20	16° \mathbb{L} 08'47	0°32'56	direct	-1372 Aug 06 j 09:09	14° \mathbb{M} 53'36	
min. Earth dist.	-1379 Apr 19 j 08:27	16° \mathbb{L} 09'05	17.83406 AU		-1372 Aug 22 j 03:56	15° \mathbb{M}	
direct	-1379 Jul 05 j 17:13	14° \mathbb{L} 05'59					
				conjunction	-1372 Nov 22 j 01:06	19° \mathbb{M} 00'39	0°06'29
conjunction	-1379 Oct 23 j 08:22	18° \mathbb{L} 24'18	0°28'16	minimum elong	-1372 Nov 22 j 01:06	19° \mathbb{M} 00'39	0°06'29
minimum elong	-1379 Oct 23 j 08:22	18° \mathbb{L} 24'18	0°28'16	behind sun begin	-1372 Nov 21 j 18:56	18° \mathbb{M} 59'44	
max. Earth dist.	-1379 Oct 23 j 12:35	18° \mathbb{L} 24'57	19.86905 AU	behind sun end	-1372 Nov 22 j 07:15	19° \mathbb{M} 01'33	
retrograde	-1378 Feb 07 j 14:29	22° \mathbb{L} 38'22		max. Earth dist.	-1372 Nov 22 j 18:30	19° \mathbb{M} 03'15	20.37148 AU
opposition	-1378 Apr 24 j 09:46	20° \mathbb{L} 37'54	0°29'53	retrograde	-1371 Mar 10 j 02:49	23° \mathbb{M} 08'41	
min. Earth dist.	-1378 Apr 24 j 03:41	20° \mathbb{L} 38'32	17.90424 AU	min. Earth dist.	-1371 May 25 j 11:04	21° \mathbb{M} 10'51	18.40500 AU
direct	-1378 Jul 10 j 16:15	18° \mathbb{L} 35'34		opposition	-1371 May 26 j 04:02	21° \mathbb{M} 09'08	0°05'17
				direct	-1371 Aug 11 j 01:04	19° \mathbb{M} 09'45	
conjunction	-1378 Oct 27 j 23:26	22° \mathbb{L} 52'16	0°25'28				
minimum elong	-1378 Oct 27 j 23:26	22° \mathbb{L} 52'16	0°25'27	conjunction	-1371 Nov 26 j 10:31	23° \mathbb{M} 15'15	0°03'10
max. Earth dist.	-1378 Oct 28 j 06:12	22° \mathbb{L} 53'18	19.94029 AU	minimum elong	-1371 Nov 26 j 10:31	23° \mathbb{M} 15'15	0°03'09
retrograde	-1377 Feb 12 j 06:54	27° \mathbb{L} 05'28		behind sun begin	-1371 Nov 26 j 04:01	23° \mathbb{M} 14'18	
opposition	-1377 Apr 29 j 07:49	25° \mathbb{L} 05'11	0°26'40	behind sun end	-1371 Nov 26 j 17:01	23° \mathbb{M} 16'12	
min. Earth dist.	-1377 Apr 29 j 00:38	25° \mathbb{L} 05'55	17.97640 AU	max. Earth dist.	-1371 Nov 27 j 04:29	23° \mathbb{M} 17'56	20.43817 AU
direct	-1377 Jul 15 j 11:24	23° \mathbb{L} 03'19					

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Attention, astronomical year style is used: The year -1370 in astronomical counting style is the year 1371 BCE in historical counting style.

retrograde	-1370 Mar 14 j 16:21	27°M22'29		direct	-1364 Sep 09 j 15:55	18°Z13'01	
opposition	-1370 May 30 j 20:36	25°M22'59	0°01'35				
min. Earth dist.	-1370 May 30 j 01:25	25°M24'55	18.47069 AU	conjunction	-1364 Dec 24 j 12:19	22°Z09'45	0°-19'-4
direct	-1370 Aug 15 j 16:30	23°M23'54		minimum elong	-1364 Dec 24 j 12:19	22°Z09'45	0°19'07
desc. node	-1370 Nov 06 j 01:31	26°M01'08		max. Earth dist.	-1364 Dec 25 j 15:46	22°Z13'45	20.85066 AU
				retrograde	-1363 Apr 12 j 17:19	26°Z12'38	
conjunction	-1370 Nov 30 j 19:23	27°M27'54	0°00'-13	opposition	-1363 Jun 29 j 18:36	24°Z13'36	0°-22'-41
minimum elong	-1370 Nov 30 j 19:23	27°M27'54	0°00'15	min. Earth dist.	-1363 Jun 28 j 16:22	24°Z16'13	18.87561 AU
behind sun begin	-1370 Nov 30 j 12:55	27°M26'58		direct	-1363 Sep 14 j 01:10	22°Z16'39	
behind sun end	-1370 Dec 01 j 01:51	27°M28'51					
max. Earth dist.	-1370 Dec 01 j 15:44	27°M30'56	20.50279 AU	conjunction	-1363 Dec 28 j 17:39	26°Z12'26	0°-21'-55
	-1369 Jan 15 j 12:45	0°Z		minimum elong	-1363 Dec 28 j 17:39	26°Z12'26	0°21'57
retrograde	-1369 Mar 19 j 03:29	1°Z34'21		max. Earth dist.	-1363 Dec 29 j 20:43	26°Z16'22	20.89913 AU
	-1369 May 25 j 01:16	30°RM			-1362 Mar 23 j 10:03	0°Z	
opposition	-1369 Jun 04 j 12:22	29°M34'53	0°-2'-4	retrograde	-1362 Apr 17 j 03:31	0°Z14'56	
min. Earth dist.	-1369 Jun 03 j 16:32	29°M36'53	18.53445 AU		-1362 May 12 j 06:31	30°RM	
direct	-1369 Aug 20 j 07:00	27°M36'06		min. Earth dist.	-1362 Jul 03 j 02:40	28°Z18'39	18.92218 AU
	-1369 Nov 06 j 16:25	0°Z		opposition	-1362 Jul 04 j 05:31	28°Z15'59	0°-25'-45
				direct	-1362 Sep 18 j 08:53	26°Z19'17	
conjunction	-1369 Dec 05 j 03:26	1°Z38'41	0°-3'-34		-1362 Dec 28 j 20:57	0°Z	
minimum elong	-1369 Dec 05 j 03:24	1°Z38'41	0°03'37				
behind sun begin	-1369 Dec 04 j 20:56	1°Z37'45		conjunction	-1361 Jan 01 j 23:05	0°Z14'14	0°-24'-38
behind sun end	-1369 Dec 05 j 09:53	1°Z39'37		minimum elong	-1361 Jan 01 j 23:05	0°Z14'14	0°24'40
max. Earth dist.	-1369 Dec 06 j 00:14	1°Z41'47	20.56570 AU	max. Earth dist.	-1361 Jan 03 j 03:36	0°Z18'22	20.94343 AU
retrograde	-1368 Mar 22 j 15:54	5°Z44'24		retrograde	-1361 Apr 21 j 11:31	4°Z16'21	
min. Earth dist.	-1368 Jun 07 j 05:20	3°Z47'09	18.59656 AU	opposition	-1361 Jul 08 j 15:42	2°Z17'29	0°-28'-42
opposition	-1368 Jun 08 j 03:12	3°Z44'57	0°-5'-42	min. Earth dist.	-1361 Jul 07 j 12:55	2°Z20'09	18.96419 AU
direct	-1368 Aug 23 j 20:09	1°Z46'28		direct	-1361 Sep 22 j 17:14	0°Z21'01	
conjunction	-1368 Dec 08 j 10:59	5°Z47'43	0°-6'-48	conjunction	-1360 Jan 06 j 04:14	4°Z15'11	0°-27'-14
minimum elong	-1368 Dec 08 j 10:58	5°Z47'43	0°06'51	minimum elong	-1360 Jan 06 j 04:14	4°Z15'11	0°27'17
behind sun begin	-1368 Dec 08 j 04:53	5°Z46'50		max. Earth dist.	-1360 Jan 07 j 07:45	4°Z19'09	20.98300 AU
behind sun end	-1368 Dec 08 j 17:04	5°Z48'36		retrograde	-1360 Apr 24 j 20:43	8°Z16'59	
max. Earth dist.	-1368 Dec 09 j 10:07	5°Z51'08	20.62681 AU	min. Earth dist.	-1360 Jul 10 j 22:41	6°Z20'48	19.00125 AU
retrograde	-1367 Mar 27 j 01:44	9°Z52'45		opposition	-1360 Jul 12 j 01:28	6°Z18'08	0°-31'-29
opposition	-1367 Jun 12 j 17:15	7°Z53'22	0°-9'-16	direct	-1360 Sep 25 j 23:39	4°Z21'50	
min. Earth dist.	-1367 Jun 11 j 18:41	7°Z55'38	18.65685 AU				
direct	-1367 Aug 28 j 08:50	5°Z55'12		conjunction	-1359 Jan 09 j 09:21	8°Z15'19	0°-29'-41
				minimum elong	-1359 Jan 09 j 09:21	8°Z15'19	0°29'43
conjunction	-1367 Dec 12 j 17:53	9°Z55'11	0°-9'-59	max. Earth dist.	-1359 Jan 10 j 13:51	8°Z19'25	21.01722 AU
minimum elong	-1367 Dec 12 j 17:53	9°Z55'11	0°10'01	retrograde	-1359 Apr 29 j 04:30	12°Z16'50	
behind sun begin	-1367 Dec 12 j 12:34	9°Z54'25		min. Earth dist.	-1359 Jul 15 j 08:05	10°Z20'37	19.03269 AU
behind sun end	-1367 Dec 12 j 23:12	9°Z55'57		opposition	-1359 Jul 16 j 10:40	10°Z17'59	0°-34'-7
max. Earth dist.	-1367 Dec 13 j 17:19	9°Z58'38	20.68626 AU	direct	-1359 Sep 30 j 07:22	8°Z21'48	
retrograde	-1366 Mar 31 j 13:30	13°Z59'36					
min. Earth dist.	-1366 Jun 16 j 06:20	12°Z02'43	18.71542 AU	conjunction	-1358 Jan 13 j 14:14	12°Z14'39	0°-31'-59
opposition	-1366 Jun 17 j 06:38	12°Z00'17	0°-12'-45	minimum elong	-1358 Jan 13 j 14:14	12°Z14'39	0°32'02
direct	-1366 Sep 01 j 19:55	10°Z02'25		max. Earth dist.	-1358 Jan 14 j 17:25	12°Z18'34	21.04596 AU
				retrograde	-1358 May 03 j 13:04	16°Z15'55	
conjunction	-1366 Dec 17 j 00:23	14°Z01'14	0°-13'-5	opposition	-1358 Jul 20 j 19:26	14°Z17'01	0°-36'-34
minimum elong	-1366 Dec 17 j 00:22	14°Z01'14	0°13'08	min. Earth dist.	-1358 Jul 19 j 17:11	14°Z19'38	19.05875 AU
behind sun begin	-1366 Dec 16 j 20:23	14°Z00'40		direct	-1358 Oct 04 j 13:17	12°Z20'53	
behind sun end	-1366 Dec 17 j 04:22	14°Z01'48					
max. Earth dist.	-1366 Dec 18 j 02:02	14°Z05'00	20.74367 AU	conjunction	-1357 Jan 17 j 19:08	16°Z13'12	0°-34'-8
retrograde	-1365 Apr 04 j 22:15	18°Z05'05		minimum elong	-1357 Jan 17 j 19:08	16°Z13'12	0°34'10
opposition	-1365 Jun 21 j 19:21	16°Z05'52	0°-16'-10	max. Earth dist.	-1357 Jan 18 j 23:10	16°Z17'13	21.06925 AU
min. Earth dist.	-1365 Jun 20 j 18:29	16°Z08'21	18.77167 AU	retrograde	-1357 May 07 j 20:23	20°Z14'14	
direct	-1365 Sep 06 j 06:42	14°Z08'20		min. Earth dist.	-1357 Jul 24 j 01:38	18°Z17'51	19.07935 AU
				opposition	-1357 Jul 25 j 03:37	18°Z15'15	0°-38'-50
conjunction	-1365 Dec 21 j 06:28	18°Z06'03	0°-16'-8	direct	-1357 Oct 08 j 19:49	16°Z19'10	
minimum elong	-1365 Dec 21 j 06:27	18°Z06'03	0°16'09				
behind sun begin	-1365 Dec 21 j 05:44	18°Z05'56		conjunction	-1356 Jan 21 j 23:49	20°Z10'59	0°-36'-5
behind sun end	-1365 Dec 21 j 07:11	18°Z06'09		minimum elong	-1356 Jan 21 j 23:49	20°Z10'59	0°36'08
max. Earth dist.	-1365 Dec 22 j 08:03	18°Z09'47	20.79868 AU	max. Earth dist.	-1356 Jan 23 j 02:29	20°Z14'48	21.08740 AU
retrograde	-1364 Apr 08 j 09:22	22°Z09'23		retrograde	-1356 May 11 j 04:23	24°Z11'52	
min. Earth dist.	-1364 Jun 24 j 05:14	20°Z12'51	18.82533 AU	min. Earth dist.	-1356 Jul 27 j 09:45	22°Z15'20	19.09518 AU
opposition	-1364 Jun 25 j 07:12	20°Z10'16	0°-19'-29	opposition	-1356 Jul 28 j 11:12	22°Z12'47	0°-40'-53

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Attention, astronomical year style is used: The year -1356 in astronomical counting style is the year 1357 BCE in historical counting style.

direct	-1356 Oct 12 j 01:15	20°☾16'41		retrograde	-1348 Jun 12 j 19:54	25°☾47'29	
				opposition	-1348 Aug 29 j 14:33	23°☾47'59	0°-49'-48
conjunction	-1355 Jan 25 j 04:35	24°☾08'09	0°-37'-52	min. Earth dist.	-1348 Aug 28 j 19:14	23°☾49'56	19.07278 AU
minimum elong	-1355 Jan 25 j 04:35	24°☾08'09	0°37'54	direct	-1348 Nov 12 j 11:18	21°☾51'40	
max. Earth dist.	-1355 Jan 26 j 08:07	24°☾12'05	21.10090 AU				
retrograde	-1355 May 15 j 11:26	28°☾08'55		conjunction	-1347 Feb 26 j 01:28	25°☾43'57	0°-45'-9
opposition	-1355 Aug 01 j 18:28	26°☾09'45	0°-42'-45	minimum elong	-1347 Feb 26 j 01:28	25°☾43'57	0°45'11
min. Earth dist.	-1355 Jul 31 j 17:08	26°☾12'17	19.10652 AU	max. Earth dist.	-1347 Feb 26 j 22:53	25°☾46'59	21.06137 AU
direct	-1355 Oct 16 j 06:34	24°☾13'39		retrograde	-1347 Jun 17 j 04:50	29°☾46'22	
				opposition	-1347 Sep 02 j 20:37	27°☾46'49	0°-49'-53
conjunction	-1354 Jan 29 j 09:06	28°☾04'49	0°-39'-28	min. Earth dist.	-1347 Sep 02 j 02:17	27°☾48'40	19.04934 AU
minimum elong	-1354 Jan 29 j 09:06	28°☾04'49	0°39'30	direct	-1347 Nov 16 j 16:24	25°☾50'24	
max. Earth dist.	-1354 Jan 30 j 11:20	28°☾08'34	21.11025 AU				
	-1354 Mar 05 j 10:20	0°☾		conjunction	-1346 Mar 02 j 08:55	29°☾43'11	0°-45'-7
retrograde	-1354 May 19 j 19:14	2°☾05'34		minimum elong	-1346 Mar 02 j 08:55	29°☾43'11	0°45'08
min. Earth dist.	-1354 Aug 05 j 00:43	0°☾08'47	19.11393 AU	max. Earth dist.	-1346 Mar 03 j 03:31	29°☾45'50	21.03523 AU
opposition	-1354 Aug 06 j 01:27	0°☾06'18	0°-44'-25		-1346 Mar 07 j 07:04	0°☾	
	-1354 Aug 08 j 16:19	30°☾		retrograde	-1346 Jun 21 j 14:36	3°☾46'04	
direct	-1354 Oct 20 j 11:13	28°☾10'11		min. Earth dist.	-1346 Sep 06 j 10:39	1°☾48'03	19.02036 AU
	-1354 Dec 27 j 09:49	0°☾		opposition	-1346 Sep 07 j 02:52	1°☾46'24	0°-49'-44
					-1346 Oct 31 j 22:02	30°☾	
conjunction	-1353 Feb 02 j 14:03	2°☾01'12	0°-40'-53	direct	-1346 Nov 20 j 20:42	29°☾49'48	
minimum elong	-1353 Feb 02 j 14:03	2°☾01'12	0°40'55		-1346 Dec 10 j 16:53	0°☾	
max. Earth dist.	-1353 Feb 03 j 17:02	2°☾05'03	21.11562 AU				
retrograde	-1353 May 24 j 02:34	6°☾01'58		conjunction	-1345 Mar 06 j 17:14	3°☾43'12	0°-44'-52
min. Earth dist.	-1353 Aug 09 j 07:24	4°☾05'06	19.11734 AU	minimum elong	-1345 Mar 06 j 17:14	3°☾43'12	0°44'53
opposition	-1353 Aug 10 j 07:53	4°☾02'39	0°-45'-52	max. Earth dist.	-1345 Mar 07 j 11:07	3°☾45'45	21.00344 AU
direct	-1353 Oct 24 j 16:01	2°☾06'31		retrograde	-1345 Jun 25 j 23:25	7°☾46'32	
				opposition	-1345 Sep 11 j 08:56	5°☾46'45	0°-49'-21
conjunction	-1352 Feb 06 j 19:01	5°☾57'29	0°-42'-6	min. Earth dist.	-1345 Sep 10 j 17:52	5°☾48'17	18.98572 AU
minimum elong	-1352 Feb 06 j 19:01	5°☾57'29	0°42'07	direct	-1345 Nov 25 j 02:02	3°☾49'56	
max. Earth dist.	-1352 Feb 07 j 20:23	6°☾01'05	21.11715 AU				
retrograde	-1352 May 27 j 10:21	9°☾58'22		conjunction	-1344 Mar 10 j 01:50	7°☾43'59	0°-44'-23
opposition	-1352 Aug 13 j 14:17	7°☾58'59	0°-47'-6	minimum elong	-1344 Mar 10 j 01:50	7°☾43'59	0°44'25
min. Earth dist.	-1352 Aug 12 j 14:42	8°☾01'21	19.11696 AU	max. Earth dist.	-1344 Mar 10 j 16:43	7°☾46'07	20.96630 AU
direct	-1352 Oct 27 j 19:26	6°☾02'50		retrograde	-1344 Jun 29 j 09:21	11°☾47'50	
				opposition	-1344 Sep 14 j 15:18	9°☾47'52	0°-48'-42
conjunction	-1351 Feb 10 j 00:14	9°☾53'52	0°-43'-7	min. Earth dist.	-1344 Sep 14 j 02:27	9°☾49'11	18.94610 AU
minimum elong	-1351 Feb 10 j 00:14	9°☾53'52	0°43'09	direct	-1344 Nov 28 j 07:12	7°☾50'47	
max. Earth dist.	-1351 Feb 11 j 02:10	9°☾57'33	21.11473 AU				
retrograde	-1351 May 31 j 18:14	13°☾54'56		conjunction	-1343 Mar 14 j 10:58	11°☾45'35	0°-43'-42
opposition	-1351 Aug 17 j 20:28	11°☾55'31	0°-48'-7	minimum elong	-1343 Mar 14 j 10:58	11°☾45'35	0°43'43
min. Earth dist.	-1351 Aug 16 j 21:16	11°☾57'52	19.11247 AU	max. Earth dist.	-1343 Mar 15 j 01:19	11°☾47'38	20.92438 AU
direct	-1351 Nov 01 j 00:22	9°☾59'22		retrograde	-1343 Jul 03 j 18:33	15°☾49'58	
				opposition	-1343 Sep 18 j 21:42	13°☾49'49	0°-47'-49
conjunction	-1350 Feb 14 j 05:46	13°☾50'33	0°-43'-56	min. Earth dist.	-1343 Sep 18 j 09:49	13°☾51'02	18.90193 AU
minimum elong	-1350 Feb 14 j 05:46	13°☾50'33	0°43'57	direct	-1343 Dec 02 j 13:16	11°☾52'27	
max. Earth dist.	-1350 Feb 15 j 05:48	13°☾53'58	21.10832 AU				
	-1350 Mar 06 j 20:55	15°☾		conjunction	-1342 Mar 18 j 20:43	15°☾48'04	0°-42'-47
retrograde	-1350 Jun 05 j 02:27	17°☾51'53		minimum elong	-1342 Mar 18 j 20:43	15°☾48'04	0°42'49
min. Earth dist.	-1350 Aug 21 j 04:41	15°☾54'39	19.10397 AU	max. Earth dist.	-1342 Mar 19 j 08:11	15°☾49'42	20.87835 AU
opposition	-1350 Aug 22 j 02:34	15°☾52'26	0°-48'-54	retrograde	-1342 Jul 08 j 04:18	19°☾53'02	
	-1350 Sep 13 j 13:32	15°☾		opposition	-1342 Sep 23 j 04:16	17°☾52'41	0°-46'-42
direct	-1350 Nov 05 j 03:02	13°☾56'15		min. Earth dist.	-1342 Sep 22 j 18:40	17°☾53'40	18.85411 AU
	-1350 Dec 25 j 20:27	15°☾		direct	-1342 Dec 06 j 18:59	15°☾54'59	
conjunction	-1349 Feb 18 j 11:53	17°☾47'42	0°-44'-33	conjunction	-1341 Mar 23 j 07:18	19°☾51'32	0°-41'-39
minimum elong	-1349 Feb 18 j 11:53	17°☾47'42	0°44'36	minimum elong	-1341 Mar 23 j 07:18	19°☾51'32	0°41'40
max. Earth dist.	-1349 Feb 19 j 12:03	17°☾51'08	21.09756 AU	max. Earth dist.	-1341 Mar 23 j 18:09	19°☾53'05	20.82885 AU
retrograde	-1349 Jun 09 j 11:01	21°☾49'20		retrograde	-1341 Jul 12 j 14:52	23°☾57'06	
min. Earth dist.	-1349 Aug 25 j 11:26	19°☾52'01	19.09081 AU	opposition	-1341 Sep 27 j 11:00	21°☾56'35	0°-45'-21
opposition	-1349 Aug 26 j 08:34	19°☾49'53	0°-49'-28	min. Earth dist.	-1341 Sep 27 j 02:18	21°☾57'29	18.80299 AU
direct	-1349 Nov 09 j 08:09	17°☾53'40		direct	-1341 Dec 11 j 01:57	19°☾58'34	
conjunction	-1348 Feb 22 j 18:20	21°☾45'28	0°-44'-57	conjunction	-1340 Mar 26 j 18:18	23°☾56'06	0°-40'-19
minimum elong	-1348 Feb 22 j 18:20	21°☾45'28	0°44'59	minimum elong	-1340 Mar 26 j 18:18	23°☾56'06	0°40'20
max. Earth dist.	-1348 Feb 23 j 16:06	21°☾48'33	21.08204 AU	max. Earth dist.	-1340 Mar 27 j 02:16	23°☾57'14	20.77636 AU

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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.

retrograde	-1340 Jul 16 j 00:41	28° κ 02'21				-1332 Jun 14 j 22:12	0° ♄	
opposition	-1340 Sep 30 j 18:09	26° κ 01'39	0°-43'-45	retrograde		-1332 Aug 19 j 13:14	1° ♄ 43'19	
min. Earth dist.	-1340 Sep 30 j 11:42	26° κ 02'20	18.74925 AU			-1332 Oct 26 j 16:59	30° ♁ ♂	
direct	-1340 Dec 14 j 08:00	24° κ 03'19		opposition		-1332 Nov 02 j 20:50	29° ♁ 41'47	0°-23'-12
				min. Earth dist.		-1332 Nov 03 j 05:04	29° ♁ 40'54	18.24550 AU
conjunction	-1339 Mar 31 j 06:14	28° κ 01'56	0°-38'-46	direct		-1331 Jan 16 j 11:56	27° ♁ 40'45	
minimum elong	-1339 Mar 31 j 06:14	28° κ 01'56	0°38'47			-1331 Apr 03 j 06:50	0° ♄	
max. Earth dist.	-1339 Mar 31 j 13:35	28° κ 02'59	20.72148 AU					
	-1339 May 05 j 20:29	0° ♁		conjunction		-1331 May 05 j 13:25	1° ♄ 50'39	0°-19'-25
retrograde	-1339 Jul 20 j 12:43	2° ♁ 08'54		minimum elong		-1331 May 05 j 13:25	1° ♄ 50'39	0°19'25
opposition	-1339 Oct 05 j 01:32	0° ♁ 08'03	0°-41'-56	max. Earth dist.		-1331 May 05 j 02:58	1° ♄ 49'07	20.20991 AU
min. Earth dist.	-1339 Oct 04 j 19:53	0° ♁ 08'39	18.69323 AU	retrograde		-1331 Aug 24 j 07:02	6° ♄ 04'29	
	-1339 Oct 08 j 06:57	30° ♁ ♂		opposition		-1331 Nov 07 j 08:49	4° ♄ 02'48	0°-19'-47
direct	-1339 Dec 18 j 16:03	28° κ 09'24		min. Earth dist.		-1331 Nov 07 j 18:01	4° ♄ 01'49	18.17366 AU
	-1338 Feb 24 j 12:14	0° ♁		direct		-1330 Jan 21 j 02:16	2° ♄ 01'20	
conjunction	-1338 Apr 04 j 18:48	2° ♁ 09'11	0°-37'00	conjunction		-1330 May 10 j 09:26	6° ♄ 12'50	0°-16'-15
minimum elong	-1338 Apr 04 j 18:48	2° ♁ 09'11	0°37'01	minimum elong		-1330 May 10 j 09:26	6° ♄ 12'50	0°16'16
max. Earth dist.	-1338 Apr 04 j 23:11	2° ♁ 09'49	20.66451 AU	max. Earth dist.		-1330 May 09 j 20:06	6° ♄ 10'52	20.13756 AU
retrograde	-1338 Jul 24 j 23:34	6° ♁ 16'56		retrograde		-1330 Aug 28 j 22:48	10° ♄ 27'32	
opposition	-1338 Oct 09 j 09:31	4° ♁ 15'58	0°-39'-53	opposition		-1330 Nov 11 j 21:42	8° ♄ 25'41	0°-16'-13
min. Earth dist.	-1338 Oct 09 j 06:16	4° ♁ 16'18	18.63529 AU	min. Earth dist.		-1330 Nov 12 j 09:44	8° ♄ 24'24	18.10105 AU
direct	-1338 Dec 22 j 22:42	2° ♁ 16'59		direct		-1329 Jan 25 j 15:00	6° ♄ 23'46	
conjunction	-1337 Apr 09 j 08:28	6° ♁ 18'02	0°-35'-3	conjunction		-1329 May 15 j 06:16	10° ♄ 36'52	0°-12'-59
minimum elong	-1337 Apr 09 j 08:28	6° ♁ 18'02	0°35'04	minimum elong		-1329 May 15 j 06:16	10° ♄ 36'52	0°12'59
max. Earth dist.	-1337 Apr 09 j 12:00	6° ♁ 18'33	20.60565 AU	behind sun begin		-1329 May 15 j 02:18	10° ♄ 36'17	
retrograde	-1337 Jul 29 j 13:02	10° ♁ 26'34		behind sun end		-1329 May 15 j 10:14	10° ♄ 37'26	
opposition	-1337 Oct 13 j 17:44	8° ♁ 25'31	0°-37'-37	max. Earth dist.		-1329 May 14 j 15:18	10° ♄ 34'39	20.06488 AU
min. Earth dist.	-1337 Oct 13 j 15:22	8° ♁ 25'46	18.57542 AU	retrograde		-1329 Sep 02 j 18:11	14° ♄ 52'25	
direct	-1337 Dec 27 j 08:03	6° ♁ 26'14		opposition		-1329 Nov 16 j 11:00	12° ♄ 50'25	0°-12'-32
				min. Earth dist.		-1329 Nov 16 j 23:46	12° ♄ 49'03	18.02844 AU
conjunction	-1336 Apr 12 j 22:50	10° ♁ 28'38	0°-32'-54	direct		-1328 Jan 30 j 07:05	10° ♄ 48'02	
minimum elong	-1336 Apr 12 j 22:50	10° ♁ 28'38	0°32'54	max. Earth dist.		-1328 May 18 j 10:40	15° ♄ 00'11	19.99250 AU
max. Earth dist.	-1336 Apr 12 j 23:17	10° ♁ 28'42	20.54494 AU			-1328 May 18 j 09:23	15° ♄	
retrograde	-1336 Aug 02 j 01:18	14° ♁ 38'02						
opposition	-1336 Oct 17 j 02:46	12° ♁ 36'53	0°-35'-8	conjunction		-1328 May 19 j 03:51	15° ♄ 02'45	0°-9'-38
min. Earth dist.	-1336 Oct 17 j 03:00	12° ♁ 36'52	18.51379 AU	minimum elong		-1328 May 19 j 03:50	15° ♄ 02'45	0°09'38
direct	-1336 Dec 30 j 15:46	10° ♁ 37'18		behind sun begin		-1328 May 18 j 22:17	15° ♄ 01'56	
				behind sun end		-1328 May 19 j 09:24	15° ♄ 03'33	
conjunction	-1335 Apr 17 j 14:11	14° ♁ 41'07	0°-30'-33	retrograde		-1328 Sep 06 j 11:02	19° ♄ 19'08	
minimum elong	-1335 Apr 17 j 14:11	14° ♁ 41'07	0°30'34	opposition		-1328 Nov 20 j 01:16	17° ♄ 17'00	0°-8'-45
max. Earth dist.	-1335 Apr 17 j 13:34	14° ♁ 41'01	20.48236 AU	min. Earth dist.		-1328 Nov 20 j 16:31	17° ♄ 15'21	17.95666 AU
retrograde	-1335 Aug 06 j 16:22	18° ♁ 51'23		direct		-1327 Feb 02 j 21:17	15° ♄ 14'09	
opposition	-1335 Oct 21 j 12:14	16° ♁ 50'10	0°-32'-27	max. Earth dist.		-1327 May 23 j 07:20	19° ♄ 27'40	19.92145 AU
min. Earth dist.	-1335 Oct 21 j 13:31	16° ♁ 50'02	18.45008 AU					
direct	-1334 Jan 04 j 02:33	14° ♁ 50'17		conjunction		-1327 May 24 j 02:07	19° ♄ 30'29	0°-6'-12
				minimum elong		-1327 May 24 j 02:06	19° ♄ 30'29	0°06'12
conjunction	-1334 Apr 22 j 06:34	18° ♁ 55'33	0°-28'-1	behind sun begin		-1327 May 23 j 19:41	19° ♄ 29'32	
minimum elong	-1334 Apr 22 j 06:34	18° ♁ 55'33	0°28'01	behind sun end		-1327 May 24 j 08:31	19° ♄ 31'25	
max. Earth dist.	-1334 Apr 22 j 02:36	18° ♁ 54'59	20.41754 AU	retrograde		-1327 Sep 11 j 07:34	23° ♄ 47'42	
retrograde	-1334 Aug 11 j 06:02	23° ♁ 06'44		opposition		-1327 Nov 24 j 16:05	21° ♄ 45'25	0°-4'-53
opposition	-1334 Oct 25 j 22:25	21° ♁ 05'25	0°-29'-33	min. Earth dist.		-1327 Nov 25 j 07:48	21° ♄ 43'43	17.88645 AU
min. Earth dist.	-1334 Oct 26 j 02:38	21° ♁ 04'58	18.38415 AU	direct		-1326 Feb 07 j 14:47	19° ♄ 42'09	
direct	-1333 Jan 08 j 12:03	19° ♁ 05'11		max. Earth dist.		-1326 May 28 j 04:58	23° ♄ 57'01	19.85213 AU
conjunction	-1333 Apr 27 j 00:06	23° ♁ 11'59	0°-25'-18	conjunction		-1326 May 29 j 01:20	24° ♄ 00'05	0°-2'-42
minimum elong	-1333 Apr 27 j 00:06	23° ♁ 11'59	0°25'18	minimum elong		-1326 May 29 j 01:19	24° ♄ 00'05	0°02'41
max. Earth dist.	-1333 Apr 26 j 18:32	23° ♁ 11'11	20.35045 AU	behind sun begin		-1326 May 28 j 18:32	23° ♄ 59'05	
retrograde	-1333 Aug 15 j 22:28	27° ♁ 24'03		behind sun end		-1326 May 29 j 08:06	24° ♄ 01'05	
opposition	-1333 Oct 30 j 09:13	25° ♁ 22'38	0°-26'-28	retrograde		-1326 Sep 16 j 01:40	28° ♄ 18'06	
min. Earth dist.	-1333 Oct 30 j 14:32	25° ♁ 22'04	18.31584 AU	opposition		-1326 Nov 29 j 07:47	26° ♄ 15'43	0°00'-58
direct	-1332 Jan 13 j 00:34	23° ♁ 22'01		min. Earth dist.		-1326 Nov 30 j 01:44	26° ♄ 13'46	17.81841 AU
				direct		-1325 Feb 12 j 06:59	24° ♄ 12'02	
conjunction	-1332 Apr 30 j 18:13	27° ♁ 30'22	0°-22'-26	asc. node		-1325 Mar 01 j 22:19	24° ♄ 20'18	
minimum elong	-1332 Apr 30 j 18:13	27° ♁ 30'22	0°22'27	max. Earth dist.		-1325 Jun 02 j 03:10	28° ♄ 28'14	19.78547 AU
max. Earth dist.	-1332 Apr 30 j 09:24	27° ♁ 29'04	20.28102 AU					

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Attention, astronomical year style is used: The year -1325 in astronomical counting style is the year 1326 BCE in historical counting style.

conjunction	-1325 Jun 03 j 01:15	28°♄31'35	0°00'56	min. Earth dist.	-1319 Dec 31 j 21:34	28°♄38'12	17.43124 AU
minimum elong	-1325 Jun 03 j 01:14	28°♄31'34	0°00'56	direct	-1318 Mar 16 j 13:33	26°♄35'06	
behind sun begin	-1325 Jun 02 j 18:27	28°♄30'34			-1318 Jun 19 j 08:53	0°♄	
behind sun end	-1325 Jun 03 j 08:01	28°♄32'34					
retrograde	-1325 Sep 20 j 23:03	2°♄50'24		conjunction	-1318 Jul 06 j 19:23	1°♄04'31	0°24'56
opposition	-1325 Dec 04 j 00:16	0°♄47'56	0°02'58	minimum elong	-1318 Jul 06 j 19:23	1°♄04'31	0°24'58
min. Earth dist.	-1325 Dec 04 j 18:28	0°♄45'57	17.75324 AU	max. Earth dist.	-1318 Jul 05 j 14:26	1°♄00'01	19.40944 AU
	-1325 Dec 22 j 20:58	30°♄		retrograde	-1318 Oct 23 j 10:48	5°♄27'42	
direct	-1324 Feb 17 j 02:10	28°♄43'53		opposition	-1317 Jan 04 j 19:23	3°♄25'13	0°29'28
	-1324 Apr 11 j 23:08	0°♄		min. Earth dist.	-1317 Jan 05 j 20:29	3°♄22'28	17.38932 AU
max. Earth dist.	-1324 Jun 06 j 02:55	3°♄01'32	19.72176 AU	direct	-1317 Mar 21 j 14:33	1°♄19'12	
conjunction	-1324 Jun 07 j 01:47	3°♄05'00	0°04'31	conjunction	-1317 Jul 11 j 23:45	5°♄49'38	0°27'57
minimum elong	-1324 Jun 07 j 01:46	3°♄05'00	0°04'33	minimum elong	-1317 Jul 11 j 23:44	5°♄49'38	0°27'58
behind sun begin	-1324 Jun 06 j 19:06	3°♄04'01		max. Earth dist.	-1317 Jul 10 j 17:10	5°♄44'51	19.36955 AU
behind sun end	-1324 Jun 07 j 08:25	3°♄05'59		retrograde	-1317 Oct 28 j 11:02	10°♄13'10	
retrograde	-1324 Sep 24 j 18:23	7°♄24'36		opposition	-1316 Jan 09 j 18:24	8°♄10'39	0°32'44
opposition	-1324 Dec 07 j 17:42	5°♄22'05	0°06'56	min. Earth dist.	-1316 Jan 10 j 20:03	8°♄07'51	17.35171 AU
min. Earth dist.	-1324 Dec 08 j 13:45	5°♄19'54	17.69125 AU	direct	-1316 Mar 25 j 16:10	6°♄04'23	
direct	-1323 Feb 20 j 20:33	3°♄17'43		max. Earth dist.	-1316 Jul 14 j 22:31	10°♄31'03	19.33417 AU
max. Earth dist.	-1323 Jun 11 j 02:22	7°♄36'37	19.66152 AU	conjunction	-1316 Jul 16 j 04:12	10°♄35'42	0°30'47
conjunction	-1323 Jun 12 j 03:07	7°♄40'24	0°08'04	minimum elong	-1316 Jul 16 j 04:12	10°♄35'42	0°30'48
minimum elong	-1323 Jun 12 j 03:06	7°♄40'24	0°08'05	retrograde	-1316 Nov 01 j 11:47	14°♄59'29	
behind sun begin	-1323 Jun 11 j 21:05	7°♄39'30		opposition	-1315 Jan 13 j 17:58	12°♄56'58	0°35'47
behind sun end	-1323 Jun 12 j 09:07	7°♄41'17		min. Earth dist.	-1315 Jan 14 j 19:27	12°♄54'11	17.31868 AU
retrograde	-1323 Sep 29 j 16:28	12°♄00'44		direct	-1315 Mar 30 j 18:32	10°♄50'29	
opposition	-1323 Dec 12 j 11:42	9°♄58'13	0°10'53	max. Earth dist.	-1315 Jul 20 j 02:12	15°♄17'45	19.30369 AU
min. Earth dist.	-1323 Dec 13 j 08:09	9°♄55'59	17.63273 AU	conjunction	-1315 Jul 21 j 08:45	15°♄22'32	0°33'24
direct	-1322 Feb 25 j 17:33	7°♄53'33		minimum elong	-1315 Jul 21 j 08:45	15°♄22'32	0°33'24
max. Earth dist.	-1322 Jun 16 j 04:14	12°♄13'55	19.60455 AU	retrograde	-1315 Nov 06 j 12:08	19°♄46'31	
conjunction	-1322 Jun 17 j 05:21	12°♄17'45	0°11'35	opposition	-1314 Jan 18 j 18:01	17°♄43'58	0°38'35
minimum elong	-1322 Jun 17 j 05:20	12°♄17'45	0°11'36	min. Earth dist.	-1314 Jan 19 j 19:59	17°♄41'08	17.29102 AU
behind sun begin	-1322 Jun 17 j 00:35	12°♄17'03		direct	-1314 Apr 04 j 20:51	15°♄37'16	
behind sun end	-1322 Jun 17 j 10:06	12°♄18'28		max. Earth dist.	-1314 Jul 25 j 07:51	20°♄05'20	19.27885 AU
retrograde	-1322 Oct 04 j 13:35	16°♄38'47		conjunction	-1314 Jul 26 j 13:18	20°♄09'58	0°35'47
opposition	-1322 Dec 17 j 06:51	14°♄36'18	0°14'47	minimum elong	-1314 Jul 26 j 13:17	20°♄09'58	0°35'49
min. Earth dist.	-1322 Dec 18 j 04:57	14°♄33'53	17.57745 AU	retrograde	-1314 Nov 11 j 13:19	24°♄34'02	
direct	-1321 Mar 02 j 14:42	12°♄31'21		opposition	-1313 Jan 23 j 18:41	22°♄31'30	0°41'07
max. Earth dist.	-1321 Jun 21 j 04:44	16°♄52'49	19.55090 AU	min. Earth dist.	-1313 Jan 24 j 19:37	22°♄28'46	17.26911 AU
conjunction	-1321 Jun 22 j 07:58	16°♄57'00	0°15'04	direct	-1313 Apr 10 j 00:32	20°♄24'40	
minimum elong	-1321 Jun 22 j 07:57	16°♄57'00	0°15'06	conjunction	-1313 Jul 31 j 17:27	24°♄57'48	0°37'56
behind sun begin	-1321 Jun 22 j 05:56	16°♄56'42		minimum elong	-1313 Jul 31 j 17:27	24°♄57'48	0°37'57
behind sun end	-1321 Jun 22 j 09:58	16°♄57'18		max. Earth dist.	-1313 Jul 30 j 12:19	24°♄53'12	19.26005 AU
retrograde	-1321 Oct 09 j 12:20	21°♄18'42		retrograde	-1313 Nov 16 j 13:26	29°♄21'55	
opposition	-1321 Dec 22 j 02:44	19°♄16'13	0°18'38	opposition	-1312 Jan 28 j 19:55	27°♄19'23	0°43'22
min. Earth dist.	-1321 Dec 23 j 01:21	19°♄13'44	17.52549 AU	min. Earth dist.	-1312 Jan 29 j 20:59	27°♄16'38	17.25372 AU
direct	-1320 Mar 06 j 13:40	17°♄10'59		direct	-1312 Apr 14 j 03:14	25°♄12'27	
max. Earth dist.	-1320 Jun 25 j 08:10	21°♄33'48	19.50040 AU	conjunction	-1312 Aug 04 j 21:30	29°♄45'54	0°39'48
conjunction	-1320 Jun 26 j 11:22	21°♄38'00	0°18'28	minimum elong	-1312 Aug 04 j 21:30	29°♄45'54	0°39'49
minimum elong	-1320 Jun 26 j 11:22	21°♄38'00	0°18'29	max. Earth dist.	-1312 Aug 03 j 17:35	29°♄41'30	19.24806 AU
retrograde	-1320 Oct 13 j 11:05	26°♄00'16			-1312 Aug 08 j 14:39	0°♄	
opposition	-1320 Dec 25 j 23:31	23°♄57'48	0°22'23	retrograde	-1312 Nov 20 j 14:42	4°♄10'00	
min. Earth dist.	-1320 Dec 26 j 23:22	23°♄55'11	17.47666 AU	opposition	-1311 Feb 01 j 21:17	2°♄07'30	0°45'19
direct	-1319 Mar 11 j 12:56	21°♄52'19		min. Earth dist.	-1311 Feb 02 j 20:37	2°♄04'57	17.24513 AU
max. Earth dist.	-1319 Jun 30 j 09:45	26°♄16'02	19.45321 AU	direct	-1311 Apr 19 j 08:04	0°♄00'34	
conjunction	-1319 Jul 01 j 15:05	26°♄20'34	0°21'46	max. Earth dist.	-1311 Aug 08 j 22:39	4°♄29'59	19.24296 AU
minimum elong	-1319 Jul 01 j 15:05	26°♄20'34	0°21'48	conjunction	-1311 Aug 10 j 01:22	4°♄34'12	0°41'24
retrograde	-1319 Sep 08 j 15:10	0°♄		minimum elong	-1311 Aug 10 j 01:22	4°♄34'12	0°41'26
retrograde	-1319 Oct 18 j 10:49	0°♄43'21		retrograde	-1311 Nov 25 j 14:27	8°♄58'12	
	-1319 Nov 28 j 02:09	30°♄		opposition	-1310 Feb 06 j 23:20	6°♄55'48	0°46'57
opposition	-1319 Dec 30 j 21:05	28°♄40'52	0°26'00	min. Earth dist.	-1310 Feb 07 j 22:38	6°♄53'15	17.24359 AU

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Attention, astronomical year style is used: The year -1310 in astronomical counting style is the year 1311 BCE in historical counting style.

direct	-1310 Apr 24 j 11:39	4°♈48'54		retrograde	-1302 Jan 02 j 15:31	17°♐10'15	
max. Earth dist.	-1310 Aug 14 j 03:07	9°♈18'31	19.24496 AU	opposition	-1302 Mar 17 j 21:10	15°♐08'53	0°47'46
				min. Earth dist.	-1302 Mar 18 j 09:15	15°♐07'36	17.43968 AU
conjunction	-1310 Aug 15 j 04:47	9°♈22'35	0°42'43	direct	-1302 Jun 02 j 23:46	13°♐03'36	
minimum elong	-1310 Aug 15 j 04:47	9°♈22'35	0°42'44				
retrograde	-1310 Nov 30 j 15:36	13°♈46'25		conjunction	-1302 Sep 22 j 13:14	17°♐32'04	0°42'15
opposition	-1309 Feb 12 j 01:32	11°♈44'09	0°48'16	minimum elong	-1302 Sep 22 j 13:14	17°♐32'04	0°42'15
min. Earth dist.	-1309 Feb 12 j 22:42	11°♈41'51	17.24890 AU	max. Earth dist.	-1302 Sep 22 j 00:35	17°♐30'04	19.46141 AU
direct	-1309 Apr 29 j 17:30	9°♈37'22		retrograde	-1301 Jan 07 j 13:21	21°♐51'57	
max. Earth dist.	-1309 Aug 19 j 08:19	14°♈07'11	19.25360 AU	opposition	-1301 Mar 22 j 23:27	19°♐50'38	0°46'21
				min. Earth dist.	-1301 Mar 23 j 09:32	19°♐49'33	17.48444 AU
conjunction	-1309 Aug 20 j 07:57	14°♈10'56	0°43'44	direct	-1301 Jun 08 j 02:56	17°♐45'36	
minimum elong	-1309 Aug 20 j 07:57	14°♈10'56	0°43'46				
	-1309 Sep 02 j 06:41	15°♈		conjunction	-1301 Sep 27 j 10:50	22°♐12'47	0°40'51
retrograde	-1309 Dec 05 j 15:14	18°♈34'33		minimum elong	-1301 Sep 27 j 10:50	22°♐12'47	0°40'52
opposition	-1308 Feb 17 j 04:11	16°♈32'26	0°49'14	max. Earth dist.	-1301 Sep 27 j 01:18	22°♐11'17	19.50824 AU
min. Earth dist.	-1308 Feb 18 j 01:10	16°♈30'10	17.26076 AU	retrograde	-1300 Jan 12 j 11:04	26°♐31'51	
	-1308 Mar 28 j 01:00	15°♈		opposition	-1300 Mar 27 j 01:11	24°♐30'36	0°44'38
direct	-1308 May 03 j 21:24	14°♈25'49		min. Earth dist.	-1300 Mar 27 j 09:12	24°♐29'45	17.53319 AU
	-1308 Jun 09 j 01:12	15°♈		direct	-1300 Jun 12 j 06:50	22°♐25'51	
max. Earth dist.	-1308 Aug 23 j 11:35	18°♈55'29	19.26859 AU				
conjunction	-1308 Aug 24 j 10:29	18°♈59'07	0°44'27	conjunction	-1300 Oct 01 j 07:18	26°♐51'39	0°39'12
minimum elong	-1308 Aug 24 j 10:29	18°♈59'07	0°44'28	minimum elong	-1300 Oct 01 j 07:18	26°♐51'39	0°39'11
retrograde	-1308 Dec 09 j 16:37	23°♈22'26		max. Earth dist.	-1300 Sep 30 j 23:15	26°♐50'24	19.55913 AU
opposition	-1307 Feb 21 j 06:52	21°♈20'28	0°49'51		-1300 Nov 26 j 01:15	0°♌	
min. Earth dist.	-1307 Feb 22 j 01:42	21°♈18'26	17.27856 AU	retrograde	-1299 Jan 16 j 06:47	1°♌09'55	
direct	-1307 May 09 j 03:24	19°♈14'02			-1299 Mar 11 j 04:34	30°♈	
				opposition	-1299 Apr 01 j 02:31	29°♈08'42	0°42'38
conjunction	-1307 Aug 29 j 12:47	23°♈46'55	0°44'52	min. Earth dist.	-1299 Apr 01 j 08:39	29°♈08'04	17.58623 AU
minimum elong	-1307 Aug 29 j 12:47	23°♈46'55	0°44'52	direct	-1299 Jun 17 j 08:25	27°♈04'15	
max. Earth dist.	-1307 Aug 28 j 16:19	23°♈43'40	19.28909 AU		-1299 Sep 12 j 01:58	0°♌	
retrograde	-1307 Dec 14 j 16:07	28°♈09'51		conjunction	-1299 Oct 06 j 02:51	1°♌28'38	0°37'18
opposition	-1306 Feb 26 j 09:51	26°♈08'02	0°50'08	minimum elong	-1299 Oct 06 j 02:51	1°♌28'38	0°37'18
min. Earth dist.	-1306 Feb 27 j 04:20	26°♈06'03	17.30166 AU	max. Earth dist.	-1299 Oct 05 j 21:55	1°♌27'52	19.61431 AU
direct	-1306 May 14 j 07:10	24°♈01'49		retrograde	-1298 Jan 21 j 03:24	5°♌46'02	
				opposition	-1298 Apr 06 j 03:20	3°♌44'55	0°40'23
conjunction	-1306 Sep 03 j 14:20	28°♈34'06	0°44'57	min. Earth dist.	-1298 Apr 06 j 06:40	3°♌44'34	17.64341 AU
minimum elong	-1306 Sep 03 j 14:20	28°♈34'06	0°44'58	direct	-1298 Jun 22 j 11:10	1°♌40'49	
max. Earth dist.	-1306 Sep 02 j 18:24	28°♈30'57	19.31480 AU				
	-1306 Sep 26 j 12:55	0°♐		conjunction	-1298 Oct 10 j 21:26	6°♌03'42	0°35'11
retrograde	-1306 Dec 19 j 17:17	2°♐56'35		minimum elong	-1298 Oct 10 j 21:26	6°♌03'42	0°35'10
opposition	-1305 Mar 03 j 12:51	0°♐54'54	0°50'03	max. Earth dist.	-1298 Oct 10 j 18:29	6°♌03'15	19.67367 AU
min. Earth dist.	-1305 Mar 04 j 05:09	0°♐53'09	17.32976 AU	retrograde	-1297 Jan 25 j 21:51	10°♌20'16	
	-1305 Mar 25 j 13:26	30°♈		opposition	-1297 Apr 11 j 03:41	8°♌19'16	0°37'53
direct	-1305 May 19 j 12:05	28°♈48'54		min. Earth dist.	-1297 Apr 11 j 05:13	8°♌19'06	17.70491 AU
	-1305 Jul 11 j 08:21	0°♐		direct	-1297 Jun 27 j 10:28	6°♌15'34	
conjunction	-1305 Sep 08 j 15:14	3°♐20'27	0°44'44	conjunction	-1297 Oct 15 j 15:02	10°♌36'55	0°32'51
minimum elong	-1305 Sep 08 j 15:14	3°♐20'27	0°44'43	minimum elong	-1297 Oct 15 j 15:02	10°♌36'55	0°32'51
max. Earth dist.	-1305 Sep 07 j 22:07	3°♐17'44	19.34517 AU	max. Earth dist.	-1297 Oct 15 j 14:54	10°♌36'54	19.73716 AU
retrograde	-1305 Dec 24 j 16:51	7°♐42'22		retrograde	-1296 Jan 30 j 17:35	14°♌52'37	
opposition	-1304 Mar 07 j 15:54	5°♐40'49	0°49'37	opposition	-1296 Apr 15 j 03:17	12°♌51'47	0°35'11
min. Earth dist.	-1304 Mar 08 j 07:23	5°♐39'10	17.36226 AU	min. Earth dist.	-1296 Apr 15 j 01:45	12°♌51'57	17.77002 AU
direct	-1304 May 23 j 15:42	3°♐35'03		direct	-1296 Jul 01 j 11:19	10°♌48'32	
conjunction	-1304 Sep 12 j 15:23	8°♐05'42	0°44'12	conjunction	-1296 Oct 19 j 07:48	15°♌08'21	0°30'21
minimum elong	-1304 Sep 12 j 15:23	8°♐05'42	0°44'12	minimum elong	-1296 Oct 19 j 07:48	15°♌08'21	0°30'20
max. Earth dist.	-1304 Sep 11 j 22:50	8°♐03'05	19.37988 AU	max. Earth dist.	-1296 Oct 19 j 09:49	15°♌08'39	19.80390 AU
retrograde	-1304 Dec 28 j 16:41	12°♐27'00		retrograde	-1295 Feb 03 j 10:48	19°♌23'11	
opposition	-1303 Mar 12 j 18:31	10°♐25'33	0°48'51	opposition	-1295 Apr 20 j 02:21	17°♌22'32	0°32'16
min. Earth dist.	-1303 Mar 13 j 08:00	10°♐24'07	17.39902 AU	min. Earth dist.	-1295 Apr 19 j 23:27	17°♌22'50	17.83822 AU
direct	-1303 May 28 j 19:38	8°♐20'01		direct	-1295 Jul 06 j 08:45	15°♌19'45	
conjunction	-1303 Sep 17 j 14:54	12°♐49'39	0°43'22	conjunction	-1295 Oct 23 j 23:43	19°♌38'00	0°27'40
minimum elong	-1303 Sep 17 j 14:54	12°♐49'39	0°43'22	minimum elong	-1295 Oct 23 j 23:43	19°♌38'00	0°27'39
max. Earth dist.	-1303 Sep 17 j 01:15	12°♐47'30	19.41868 AU	max. Earth dist.	-1295 Oct 24 j 04:03	19°♌38'40	19.87341 AU

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Attention, astronomical year style is used: The year -1294 in astronomical counting style is the year 1295 BCE in historical counting style.

retrograde	-1294 Feb 08 j 05:43	23°♄51'59		behind sun begin	-1288 Nov 22 j 09:53	20°♁13'24	
opposition	-1294 Apr 25 j 00:50	21°♄51'32	0°29'11	behind sun end	-1288 Nov 22 j 22:25	20°♁15'14	
min. Earth dist.	-1294 Apr 24 j 18:50	21°♄52'09	17.90863 AU	max. Earth dist.	-1288 Nov 23 j 09:12	20°♁16'52	20.36940 AU
direct	-1294 Jul 11 j 07:27	19°♄49'14		retrograde	-1287 Mar 10 j 17:22	24°♁22'20	
				opposition	-1287 May 26 j 18:47	22°♁22'45	0°04'31
conjunction	-1294 Oct 28 j 14:40	24°♄05'53	0°24'50	min. Earth dist.	-1287 May 26 j 01:59	22°♁24'27	18.40261 AU
minimum elong	-1294 Oct 28 j 14:40	24°♄05'53	0°24'49	direct	-1287 Aug 11 j 15:28	20°♁23'19	
max. Earth dist.	-1294 Oct 28 j 21:20	24°♄06'54	19.94463 AU				
retrograde	-1293 Feb 12 j 22:00	28°♄19'02		conjunction	-1287 Nov 27 j 01:35	24°♁28'49	0°02'29
opposition	-1293 Apr 29 j 22:53	26°♄18'46	0°25'57	minimum elong	-1287 Nov 27 j 01:33	24°♁28'49	0°02'28
min. Earth dist.	-1293 Apr 29 j 15:51	26°♄19'29	17.98054 AU	behind sun begin	-1287 Nov 26 j 19:02	24°♁27'52	
direct	-1293 Jul 16 j 03:15	24°♄16'56		behind sun end	-1287 Nov 27 j 08:04	24°♁29'46	
				max. Earth dist.	-1287 Nov 27 j 19:26	24°♁31'29	20.43569 AU
conjunction	-1293 Nov 02 j 04:55	28°♄31'59	0°21'52	retrograde	-1286 Mar 15 j 07:29	28°♁36'01	
minimum elong	-1293 Nov 02 j 04:55	28°♄31'59	0°21'51	opposition	-1286 May 31 j 11:15	26°♁36'28	0°00'50
max. Earth dist.	-1293 Nov 02 j 13:20	28°♄33'16	20.01697 AU	min. Earth dist.	-1286 May 30 j 16:00	26°♁38'24	18.46827 AU
	-1293 Nov 26 j 13:47	0°♁		direct	-1286 Aug 16 j 07:48	24°♁37'20	
retrograde	-1292 Feb 17 j 15:58	2°♁44'16		desc. node	-1286 Aug 23 j 12:09	24°♁38'39	
opposition	-1292 May 03 j 19:53	0°♁44'12	0°22'34				
min. Earth dist.	-1292 May 03 j 10:00	0°♁45'13	18.05304 AU	conjunction	-1286 Dec 01 j 10:15	28°♁41'21	0°00'-54
	-1292 May 22 j 04:23	30°♁		minimum elong	-1286 Dec 01 j 10:15	28°♁41'21	0°00'57
direct	-1292 Jul 19 j 23:55	28°♄42'50		behind sun begin	-1286 Dec 01 j 03:43	28°♁40'24	
	-1292 Sep 13 j 15:53	0°♁		behind sun end	-1286 Dec 01 j 16:46	28°♁42'17	
				max. Earth dist.	-1286 Dec 02 j 06:37	28°♁44'23	20.50061 AU
conjunction	-1292 Nov 05 j 18:24	2°♁56'17	0°18'47		-1286 Dec 23 j 18:14	0°♁	
minimum elong	-1292 Nov 05 j 18:25	2°♁56'17	0°18'46	retrograde	-1285 Mar 19 j 18:03	2°♁47'46	
max. Earth dist.	-1292 Nov 06 j 04:58	2°♁57'53	20.08941 AU	min. Earth dist.	-1285 Jun 04 j 07:05	0°♁50'15	18.53266 AU
retrograde	-1291 Feb 21 j 07:01	7°♁07'42		opposition	-1285 Jun 05 j 02:59	0°♁48'15	0°-2'-48
opposition	-1291 May 08 j 16:31	5°♁07'48	0°19'05		-1285 Jun 25 j 15:41	30°♁	
min. Earth dist.	-1291 May 08 j 05:57	5°♁08'52	18.12537 AU	direct	-1285 Aug 20 j 21:21	28°♁49'26	
direct	-1291 Jul 24 j 18:09	3°♁06'53			-1285 Oct 13 j 05:53	0°♁	
conjunction	-1291 Nov 10 j 06:58	7°♁18'42	0°15'37	conjunction	-1285 Dec 05 j 18:18	2°♁52'01	0°-4'-13
minimum elong	-1291 Nov 10 j 06:58	7°♁18'42	0°15'36	minimum elong	-1285 Dec 05 j 18:18	2°♁52'01	0°04'16
behind sun begin	-1291 Nov 10 j 05:02	7°♁18'25		behind sun begin	-1285 Dec 05 j 11:52	2°♁51'05	
behind sun end	-1291 Nov 10 j 08:54	7°♁19'00		behind sun end	-1285 Dec 06 j 00:44	2°♁52'56	
max. Earth dist.	-1291 Nov 10 j 18:46	7°♁20'30	20.16142 AU	max. Earth dist.	-1285 Dec 06 j 15:19	2°♁55'08	20.56440 AU
retrograde	-1290 Feb 26 j 00:18	11°♁29'17		retrograde	-1284 Mar 23 j 06:28	6°♁57'42	
opposition	-1290 May 13 j 12:17	9°♁29'30	0°15'31	opposition	-1284 Jun 08 j 17:36	4°♁58'14	0°-6'-25
min. Earth dist.	-1290 May 12 j 22:59	9°♁30'52	18.19687 AU	min. Earth dist.	-1284 Jun 07 j 19:32	5°♁00'27	18.59587 AU
direct	-1290 Jul 29 j 13:21	7°♁29'00		direct	-1284 Aug 24 j 11:13	2°♁59'43	
conjunction	-1290 Nov 14 j 18:53	11°♁39'14	0°12'23	conjunction	-1284 Dec 09 j 01:52	7°♁00'59	0°-7'-26
minimum elong	-1290 Nov 14 j 18:54	11°♁39'14	0°12'22	minimum elong	-1284 Dec 09 j 01:52	7°♁00'59	0°07'28
behind sun begin	-1290 Nov 14 j 14:29	11°♁38'35		behind sun begin	-1284 Dec 08 j 19:53	7°♁00'08	
behind sun end	-1290 Nov 14 j 23:18	11°♁39'53		behind sun end	-1284 Dec 09 j 07:50	7°♁01'51	
max. Earth dist.	-1290 Nov 15 j 08:50	11°♁41'20	20.23225 AU	max. Earth dist.	-1284 Dec 10 j 01:12	7°♁04'26	20.62680 AU
	-1289 Jan 17 j 17:48	15°♁		retrograde	-1283 Mar 27 j 16:20	11°♁05'59	
retrograde	-1289 Mar 02 j 13:40	15°♁48'57		min. Earth dist.	-1283 Jun 12 j 09:05	9°♁08'53	18.65752 AU
	-1289 Apr 17 j 07:39	15°♁		opposition	-1283 Jun 13 j 07:45	9°♁06'36	0°-9'-58
opposition	-1289 May 18 j 07:22	13°♁49'16	0°11'52	direct	-1283 Aug 28 j 23:04	7°♁08'26	
min. Earth dist.	-1289 May 17 j 17:33	13°♁50'40	18.26706 AU				
direct	-1289 Aug 03 j 06:16	11°♁49'10		conjunction	-1283 Dec 13 j 08:39	11°♁08'24	0°-10'-36
	-1289 Nov 03 j 04:16	15°♁		minimum elong	-1283 Dec 13 j 08:39	11°♁08'24	0°10'38
				behind sun begin	-1283 Dec 13 j 03:32	11°♁07'40	
conjunction	-1289 Nov 19 j 05:54	15°♁57'47	0°09'06	behind sun end	-1283 Dec 13 j 13:45	11°♁09'08	
minimum elong	-1289 Nov 19 j 05:54	15°♁57'47	0°09'06	max. Earth dist.	-1283 Dec 14 j 08:25	11°♁11'54	20.68761 AU
behind sun begin	-1289 Nov 19 j 00:18	15°♁56'57		retrograde	-1282 Apr 01 j 03:36	15°♁12'48	
behind sun end	-1289 Nov 19 j 11:29	15°♁58'36		opposition	-1282 Jun 17 j 21:08	13°♁13'30	0°-13'-26
max. Earth dist.	-1289 Nov 19 j 20:42	16°♁00'01	20.30171 AU	min. Earth dist.	-1282 Jun 16 j 20:38	13°♁15'57	18.71739 AU
retrograde	-1288 Mar 06 j 05:42	20°♁06'39		direct	-1282 Sep 02 j 10:34	11°♁15'39	
min. Earth dist.	-1288 May 21 j 09:09	18°♁08'41	18.33567 AU				
opposition	-1288 May 22 j 01:26	18°♁07'02	0°08'12	conjunction	-1282 Dec 17 j 15:14	15°♁14'27	0°-13'-42
direct	-1288 Aug 07 j 00:08	16°♁07'15		minimum elong	-1282 Dec 17 j 15:14	15°♁14'27	0°13'43
				behind sun begin	-1282 Dec 17 j 11:36	15°♁13'56	
				behind sun end	-1282 Dec 17 j 18:52	15°♁14'58	
conjunction	-1288 Nov 22 j 16:09	20°♁14'19	0°05'48	max. Earth dist.	-1282 Dec 18 j 17:05	15°♁18'15	20.74623 AU
minimum elong	-1288 Nov 22 j 16:09	20°♁14'19	0°05'46				

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Attention, astronomical year style is used: The year -1281 in astronomical counting style is the year 1282 BCE in historical counting style.

retrograde	-1281 Apr 05 j 13:07	19°♁18'15		retrograde	-1273 May 08 j 10:51	21°♁26'53	
min. Earth dist.	-1281 Jun 21 j 08:56	17°♁21'33	18.77474 AU	opposition	-1273 Jul 25 j 18:09	19°♁27'54	0°-39'-13
opposition	-1281 Jun 22 j 09:45	17°♁19'04	0°-16'-50	min. Earth dist.	-1273 Jul 24 j 16:23	19°♁30'28	19.07891 AU
direct	-1281 Sep 06 j 20:51	15°♁21'33		direct	-1273 Oct 09 j 11:12	17°♁31'48	
conjunction	-1281 Dec 21 j 21:20	19°♁19'15	0°-16'-43	conjunction	-1272 Jan 22 j 14:44	21°♁23'38	0°-36'-26
minimum elong	-1281 Dec 21 j 21:20	19°♁19'15	0°16'45	minimum elong	-1272 Jan 22 j 14:44	21°♁23'38	0°36'27
max. Earth dist.	-1281 Dec 22 j 23:05	19°♁23'01	20.80216 AU	max. Earth dist.	-1272 Jan 23 j 17:28	21°♁27'27	21.08700 AU
retrograde	-1280 Apr 08 j 23:27	23°♁22'33		retrograde	-1272 May 11 j 19:00	25°♁24'30	
opposition	-1280 Jun 25 j 21:45	21°♁23'27	0°-20'-7	min. Earth dist.	-1272 Jul 28 j 00:19	23°♁27'59	19.09495 AU
min. Earth dist.	-1280 Jun 24 j 19:43	21°♁26'03	18.82912 AU	opposition	-1272 Jul 29 j 01:50	23°♁25'26	0°-41'-15
direct	-1280 Sep 10 j 06:27	19°♁26'14		direct	-1272 Oct 12 j 15:39	21°♁29'21	
conjunction	-1280 Dec 25 j 03:08	23°♁22'56	0°-19'-38	conjunction	-1271 Jan 25 j 19:19	25°♁20'51	0°-38'-10
minimum elong	-1280 Dec 25 j 03:08	23°♁22'56	0°19'40	minimum elong	-1271 Jan 25 j 19:19	25°♁20'51	0°38'13
max. Earth dist.	-1280 Dec 26 j 06:34	23°♁26'56	20.85461 AU	max. Earth dist.	-1271 Jan 26 j 23:01	25°♁24'48	21.10087 AU
retrograde	-1279 Apr 13 j 08:26	27°♁25'46		retrograde	-1271 May 16 j 01:47	29°♁21'38	
min. Earth dist.	-1279 Jun 29 j 07:07	25°♁29'23	18.87966 AU	min. Earth dist.	-1271 Aug 01 j 07:49	27°♁25'03	19.10682 AU
opposition	-1279 Jun 30 j 09:12	25°♁26'47	0°-23'-18	opposition	-1271 Aug 02 j 09:08	27°♁22'30	0°-43'-4
direct	-1279 Sep 14 j 15:39	23°♁29'51		direct	-1271 Oct 16 j 21:39	25°♁26'27	
conjunction	-1279 Dec 29 j 08:42	27°♁25'37	0°-22'-27	conjunction	-1270 Jan 29 j 23:59	29°♁17'41	0°-39'-44
minimum elong	-1279 Dec 29 j 08:42	27°♁25'37	0°22'30	minimum elong	-1270 Jan 29 j 23:59	29°♁17'41	0°39'46
max. Earth dist.	-1279 Dec 30 j 11:35	27°♁29'31	20.90312 AU	max. Earth dist.	-1270 Jan 31 j 02:22	29°♁21'27	21.11087 AU
retrograde	-1278 Feb 15 j 07:19	0°♁		retrograde	-1270 Feb 11 j 09:46	0°≈	
retrograde	-1278 Apr 17 j 18:25	1°♁28'02		retrograde	-1270 May 20 j 10:02	3°≈18'29	
opposition	-1278 Jun 21 j 18:50	30°♁		opposition	-1270 Aug 06 j 16:04	1°≈19'18	0°-44'-41
min. Earth dist.	-1278 Jul 04 j 20:06	29°♁29'07	0°-26'-21	min. Earth dist.	-1270 Aug 05 j 15:11	1°≈21'47	19.11496 AU
direct	-1278 Jul 03 j 17:22	29°♁31'47	18.92601 AU	direct	-1270 Sep 11 j 22:04	30°♁	
direct	-1278 Sep 18 j 23:57	27°♁32'26		direct	-1270 Oct 21 j 01:18	29°♁23'14	
direct	-1278 Dec 07 j 21:59	0°♁		direct	-1270 Nov 28 j 04:20	0°≈	
conjunction	-1277 Jan 02 j 14:10	1°♁27'22	0°-25'-9	conjunction	-1269 Feb 03 j 04:55	3°≈14'21	0°-41'-6
minimum elong	-1277 Jan 02 j 14:10	1°♁27'22	0°25'12	minimum elong	-1269 Feb 03 j 04:55	3°≈14'21	0°41'08
max. Earth dist.	-1277 Jan 03 j 18:17	1°♁31'26	20.94691 AU	max. Earth dist.	-1269 Feb 04 j 07:58	3°≈18'12	21.11699 AU
retrograde	-1277 Apr 22 j 02:39	5°♁29'25		retrograde	-1269 May 24 j 17:08	7°≈15'12	
min. Earth dist.	-1277 Jul 08 j 03:59	3°♁33'12	18.96724 AU	opposition	-1269 Aug 10 j 22:42	5°≈15'58	0°-46'-5
opposition	-1277 Jul 09 j 06:26	3°♁30'34	0°-29'-15	min. Earth dist.	-1269 Aug 09 j 22:12	5°≈18'25	19.11904 AU
direct	-1277 Sep 23 j 08:06	1°♁34'06		direct	-1269 Oct 25 j 06:20	3°≈19'56	
conjunction	-1276 Jan 06 j 19:24	5°♁28'14	0°-27'-43	conjunction	-1268 Feb 07 j 09:53	7°≈10'59	0°-42'-17
minimum elong	-1276 Jan 06 j 19:24	5°♁28'14	0°27'45	minimum elong	-1268 Feb 07 j 09:53	7°≈10'59	0°42'19
max. Earth dist.	-1276 Jan 07 j 22:27	5°♁32'09	20.98549 AU	max. Earth dist.	-1268 Feb 08 j 11:20	7°≈14'36	21.11914 AU
retrograde	-1276 Apr 25 j 12:11	9°♁29'58		retrograde	-1268 May 28 j 01:45	11°≈11'58	
opposition	-1276 Jul 12 j 16:07	7°♁31'07	0°-32'-1	min. Earth dist.	-1268 Aug 13 j 05:24	9°≈15'05	19.11919 AU
min. Earth dist.	-1276 Jul 11 j 13:33	7°♁33'46	19.00314 AU	opposition	-1268 Aug 14 j 05:07	9°≈12'42	0°-47'-16
direct	-1276 Sep 26 j 15:23	5°♁34'48		direct	-1268 Oct 28 j 10:12	7°≈16'39	
conjunction	-1275 Jan 10 j 00:34	9°♁28'16	0°-30'-9	conjunction	-1267 Feb 10 j 15:18	11°≈07'47	0°-43'-16
minimum elong	-1275 Jan 10 j 00:34	9°♁28'16	0°30'11	minimum elong	-1267 Feb 10 j 15:18	11°≈07'47	0°43'17
max. Earth dist.	-1275 Jan 11 j 04:34	9°♁32'18	21.01855 AU	max. Earth dist.	-1267 Feb 11 j 17:10	11°≈11'27	21.11717 AU
retrograde	-1275 Apr 29 j 19:21	13°♁29'42		retrograde	-1267 May 13 j 03:25	15°≈	
min. Earth dist.	-1275 Jul 15 j 23:10	11°♁33'27	19.03344 AU	retrograde	-1267 Jun 01 j 09:19	15°≈08'56	
opposition	-1275 Jul 17 j 01:23	11°♁30'51	0°-34'-36	opposition	-1267 Jun 20 j 20:27	15°≈	
direct	-1275 Sep 30 j 22:38	9°♁34'38		opposition	-1267 Aug 18 j 11:24	13°≈09'39	0°-48'-15
conjunction	-1274 Jan 14 j 05:17	13°♁27'28	0°-32'-25	min. Earth dist.	-1267 Aug 17 j 12:17	13°≈11'58	19.11501 AU
minimum elong	-1274 Jan 14 j 05:17	13°♁27'28	0°32'26	direct	-1267 Nov 01 j 14:13	11°≈13'36	
max. Earth dist.	-1274 Jan 15 j 08:13	13°♁31'20	21.04627 AU	direct	-1266 Feb 13 j 10:39	15°≈	
retrograde	-1274 May 04 j 04:13	17°♁28'40		conjunction	-1266 Feb 14 j 20:52	15°≈04'52	0°-44'-2
min. Earth dist.	-1274 Jul 20 j 08:02	15°♁32'21	19.05864 AU	minimum elong	-1266 Feb 14 j 20:52	15°≈04'52	0°44'05
opposition	-1274 Jul 21 j 10:08	15°♁29'45	0°-37'00	max. Earth dist.	-1266 Feb 15 j 20:49	15°≈08'16	21.11085 AU
direct	-1274 Oct 05 j 04:43	13°♁33'36		retrograde	-1266 Jun 05 j 18:22	19°≈06'17	
conjunction	-1273 Jan 18 j 10:08	17°♁25'53	0°-34'-30	opposition	-1266 Aug 22 j 17:40	17°≈06'57	0°-48'-59
minimum elong	-1273 Jan 18 j 10:08	17°♁25'53	0°34'33	min. Earth dist.	-1266 Aug 21 j 19:48	17°≈09'09	19.10634 AU
max. Earth dist.	-1273 Jan 19 j 14:02	17°♁29'53	21.06891 AU	direct	-1266 Nov 05 j 18:29	15°≈10'51	

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Attention, astronomical year style is used: The year -1265 in astronomical counting style is the year 1266 BCE in historical counting style.

conjunction	-1265 Feb 19 j 03:10	19° 02 '24	0°-44'-36	conjunction	-1257 Mar 23 j 22:31	21° 05 '14	0°-41'-19
minimum elong	-1265 Feb 19 j 03:10	19° 02 '24	0°44'37	minimum elong	-1257 Mar 23 j 22:31	21° 05 '14	0°41'20
max. Earth dist.	-1265 Feb 20 j 03:04	19° 05 '47	21.09965 AU	max. Earth dist.	-1257 Mar 24 j 09:32	21° 06 '49	20.82557 AU
retrograde	-1265 Jun 10 j 02:31	23° 04 '06		retrograde	-1257 Jul 13 j 05:28	25° 10 '47	
opposition	-1265 Aug 26 j 23:37	21° 04 '43	0°-49'-30	opposition	-1257 Sep 28 j 02:11	23° 10 '13	0°-44'-57
min. Earth dist.	-1265 Aug 26 j 02:48	21° 06 '49	19.09249 AU	min. Earth dist.	-1257 Sep 27 j 17:20	23° 11 '08	18.80021 AU
direct	-1265 Nov 09 j 22:37	19° 08 '34		direct	-1257 Dec 11 j 17:01	21° 12 '10	
conjunction	-1264 Feb 23 j 09:45	23° 00 '26	0°-44'-58	conjunction	-1256 Mar 27 j 09:30	25° 09 '41	0°-39'-56
minimum elong	-1264 Feb 23 j 09:45	23° 00 '26	0°45'00	minimum elong	-1256 Mar 27 j 09:30	25° 09 '41	0°39'57
max. Earth dist.	-1264 Feb 24 j 07:11	23° 03 '29	21.08321 AU	max. Earth dist.	-1256 Mar 27 j 17:39	25° 10 '51	20.77412 AU
retrograde	-1264 Jun 13 j 11:27	27° 02 '29		retrograde	-1256 Jul 16 j 16:33	29° 15 '57	
min. Earth dist.	-1264 Aug 29 j 10:41	25° 04 '58	19.07331 AU	opposition	-1256 Oct 01 j 09:23	27° 15 '13	0°-43'-19
opposition	-1264 Aug 30 j 05:49	25° 03 '02	0°-49'-47	min. Earth dist.	-1256 Oct 01 j 02:34	27° 15 '56	18.74759 AU
direct	-1264 Nov 13 j 02:54	23° 06 '46		direct	-1256 Dec 14 j 22:59	25° 16 '52	
conjunction	-1263 Feb 26 j 16:51	26° 59 '03	0°-45'-6	conjunction	-1255 Mar 31 j 21:18	29° 15 '31	0°-38'-21
minimum elong	-1263 Feb 26 j 16:51	26° 59 '03	0°45'07	minimum elong	-1255 Mar 31 j 21:19	29° 15 '31	0°38'21
max. Earth dist.	-1263 Feb 27 j 13:53	27° 02 '03	21.06115 AU	max. Earth dist.	-1255 Apr 01 j 04:55	29° 16 '36	20.72038 AU
	-1263 Apr 27 j 10:45	0° 00 '			-1255 Apr 13 j 19:59	0° 00 '	
retrograde	-1263 Jun 17 j 20:23	1° 01 '29		retrograde	-1255 Jul 21 j 03:53	3° 22 '31	
	-1263 Aug 09 j 13:19	30° 00 '		opposition	-1255 Oct 05 j 16:51	1° 21 '41	0°-41'-28
opposition	-1263 Sep 03 j 12:00	29° 01 '55	0°-49'-49	min. Earth dist.	-1255 Oct 05 j 10:56	1° 22 '18	18.69265 AU
min. Earth dist.	-1263 Sep 02 j 18:02	29° 03 '45	19.04831 AU		-1255 Nov 10 j 17:58	30° 00 '	
direct	-1263 Nov 17 j 08:09	27° 05 '29		direct	-1255 Dec 19 j 06:24	29° 23 '04	
	-1262 Feb 13 j 19:13	0° 00 '			-1254 Jan 26 j 04:27	0° 00 '	
conjunction	-1262 Mar 03 j 00:26	0° 58 '16	0°-45'-1	conjunction	-1254 Apr 05 j 09:57	3° 22 '54	0°-36'-33
minimum elong	-1262 Mar 03 j 00:26	0° 58 '16	0°45'02	minimum elong	-1254 Apr 05 j 09:57	3° 22 '54	0°36'34
max. Earth dist.	-1262 Mar 03 j 18:41	1° 00 '51	21.03345 AU	max. Earth dist.	-1254 Apr 05 j 14:32	3° 23 '33	20.66447 AU
retrograde	-1262 Jun 22 j 05:02	5° 01 '06		retrograde	-1254 Jul 25 j 15:55	7° 30 '42	
opposition	-1262 Sep 07 j 18:09	3° 01 '24	0°-49'-36	opposition	-1254 Oct 10 j 00:46	5° 29 '47	0°-39'-22
min. Earth dist.	-1262 Sep 07 j 02:11	3° 03 '01	19.01783 AU	min. Earth dist.	-1254 Oct 09 j 21:13	5° 30 '09	18.63568 AU
direct	-1262 Nov 21 j 12:20	1° 04 '44		direct	-1254 Dec 23 j 13:42	3° 30 '52	
conjunction	-1261 Mar 07 j 08:42	4° 58 '05	0°-44'-43	conjunction	-1253 Apr 09 j 23:40	7° 32 '00	0°-34'-34
minimum elong	-1261 Mar 07 j 08:42	4° 58 '05	0°44'45	minimum elong	-1253 Apr 09 j 23:40	7° 32 '00	0°34'34
max. Earth dist.	-1261 Mar 08 j 02:20	5° 00 '36	21.00031 AU	max. Earth dist.	-1253 Apr 10 j 03:25	7° 32 '32	20.60642 AU
retrograde	-1261 Jun 26 j 14:34	9° 01 '22		retrograde	-1253 Jul 30 j 04:39	11° 40 '37	
min. Earth dist.	-1261 Sep 11 j 09:33	7° 03 '00	18.98208 AU	opposition	-1253 Oct 14 j 09:09	9° 39 '38	0°-37'-4
opposition	-1261 Sep 12 j 00:20	7° 01 '30	0°-49'-9	min. Earth dist.	-1253 Oct 14 j 06:40	9° 39 '54	18.57640 AU
direct	-1261 Nov 25 j 18:23	5° 04 '36		direct	-1253 Dec 27 j 22:23	7° 40 '27	
conjunction	-1260 Mar 10 j 17:08	8° 58 '35	0°-44'-12	conjunction	-1252 Apr 13 j 13:57	11° 42 '55	0°-32'-22
minimum elong	-1260 Mar 10 j 17:08	8° 58 '35	0°44'13	minimum elong	-1252 Apr 13 j 13:57	11° 42 '55	0°32'24
max. Earth dist.	-1260 Mar 11 j 07:59	9° 00 '42	20.96231 AU	max. Earth dist.	-1252 Apr 13 j 14:30	11° 42 '59	20.54602 AU
retrograde	-1260 Jun 29 j 23:14	13° 02 '22		retrograde	-1252 Aug 02 j 17:28	15° 52 '25	
opposition	-1260 Sep 15 j 06:38	11° 02 '18	0°-48'-28	opposition	-1252 Oct 17 j 18:14	13° 51 '20	0°-34'-33
min. Earth dist.	-1260 Sep 14 j 17:50	11° 03 '37	18.94190 AU	min. Earth dist.	-1252 Oct 17 j 18:25	13° 51 '19	18.51481 AU
direct	-1260 Nov 28 j 22:47	9° 05 '07		direct	-1252 Dec 31 j 07:04	11° 51 '51	
conjunction	-1259 Mar 15 j 02:21	12° 59 '51	0°-43'-27	conjunction	-1251 Apr 18 j 05:32	15° 55 '44	0°-30'00
minimum elong	-1259 Mar 15 j 02:21	12° 59 '51	0°43'29	minimum elong	-1251 Apr 18 j 05:32	15° 55 '44	0°30'00
max. Earth dist.	-1259 Mar 15 j 16:43	13° 01 '54	20.92013 AU	max. Earth dist.	-1251 Apr 18 j 04:54	15° 55 '38	20.48315 AU
retrograde	-1259 Jul 04 j 09:14	17° 04 '10		retrograde	-1251 Aug 07 j 07:52	20° 06 '06	
opposition	-1259 Sep 19 j 12:56	15° 03 '55	0°-47'-32	opposition	-1251 Oct 22 j 03:42	18° 04 '55	0°-31'-49
min. Earth dist.	-1259 Sep 19 j 01:09	15° 05 '08	18.89780 AU	min. Earth dist.	-1251 Oct 22 j 05:08	18° 04 '46	18.45055 AU
direct	-1259 Dec 03 j 05:14	13° 06 '27		direct	-1250 Jan 04 j 17:38	16° 05 '06	
conjunction	-1258 Mar 19 j 12:00	17° 02 '01	0°-42'-30	conjunction	-1250 Apr 22 j 21:56	20° 10 '26	0°-27'-26
minimum elong	-1258 Mar 19 j 12:00	17° 02 '01	0°42'30	minimum elong	-1250 Apr 22 j 21:56	20° 10 '26	0°27'26
max. Earth dist.	-1258 Mar 19 j 23:34	17° 03 '40	20.87441 AU	max. Earth dist.	-1250 Apr 22 j 17:46	20° 09 '49	20.41755 AU
retrograde	-1258 Jul 08 j 19:01	21° 06 '56		retrograde	-1250 Aug 11 j 21:39	24° 21 '40	
opposition	-1258 Sep 23 j 19:33	19° 06 '30	0°-46'-22	opposition	-1250 Oct 26 j 14:00	22° 20 '23	0°-28'-53
min. Earth dist.	-1258 Sep 23 j 09:47	19° 07 '31	18.85049 AU	min. Earth dist.	-1250 Oct 26 j 18:21	22° 19 '55	18.38365 AU
direct	-1258 Dec 07 j 10:19	17° 08 '44		direct	-1249 Jan 09 j 03:40	20° 20 '09	

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Attention, astronomical year style is used: The year -1249 in astronomical counting style is the year 1250 BCE in historical counting style.

conjunction	-1249 Apr 27 j 15:20	24° Υ 26'59	0°-24'-42	min. Earth dist.	-1243 Nov 25 j 22:15	22° Υ 56'55	17.88675 AU
minimum elong	-1249 Apr 27 j 15:20	24° Υ 26'59	0°24'42	direct	-1242 Feb 08 j 06:18	20° Υ 55'15	
max. Earth dist.	-1249 Apr 27 j 09:41	24° Υ 26'09	20.34937 AU				
retrograde	-1249 Aug 16 j 13:32	28° Υ 39'04		conjunction	-1242 May 29 j 15:50	25° Υ 13'04	0°-2'-4
opposition	-1249 Oct 31 j 00:42	26° Υ 37'38	0°-25'-47	minimum elong	-1242 May 29 j 15:50	25° Υ 13'04	0°02'04
min. Earth dist.	-1249 Oct 31 j 06:12	26° Υ 37'03	18.31423 AU	behind sun begin	-1242 May 29 j 09:02	25° Υ 12'04	
direct	-1248 Jan 13 j 16:16	24° Υ 37'01		behind sun end	-1242 May 29 j 22:38	25° Υ 14'03	
				max. Earth dist.	-1242 May 28 j 19:52	25° Υ 10'04	19.85326 AU
conjunction	-1248 May 01 j 09:26	28° Υ 45'20	0°-21'-48	retrograde	-1242 Sep 16 j 15:51	29° Υ 31'00	
minimum elong	-1248 May 01 j 09:26	28° Υ 45'20	0°21'48	opposition	-1242 Nov 29 j 22:44	27° Υ 28'34	0°00'-16
max. Earth dist.	-1248 May 01 j 00:28	28° Υ 44'01	20.27899 AU	min. Earth dist.	-1242 Nov 30 j 16:12	27° Υ 28'40	17.82042 AU
	-1248 May 22 j 19:50	0° Υ		asc. node	-1242 Dec 27 j 05:44	26° Υ 21'23	
retrograde	-1248 Aug 20 j 04:18	2° Υ 58'17		direct	-1241 Feb 12 j 22:11	25° Υ 24'52	
opposition	-1248 Nov 03 j 12:10	0° Υ 56'41	0°-22'-30				
min. Earth dist.	-1248 Nov 03 j 20:30	0° Υ 55'48	18.24310 AU	conjunction	-1241 Jun 03 j 15:35	29° Υ 44'17	0°01'34
	-1248 Nov 26 j 13:54	30° Υ		minimum elong	-1241 Jun 03 j 15:35	29° Υ 44'17	0°01'35
direct	-1247 Jan 17 j 03:38	28° Υ 55'36		behind sun begin	-1241 Jun 03 j 08:48	29° Υ 43'17	
	-1247 Mar 08 j 13:50	0° Υ		behind sun end	-1241 Jun 03 j 22:23	29° Υ 45'17	
				max. Earth dist.	-1241 Jun 02 j 18:08	29° Υ 41'02	19.78836 AU
conjunction	-1247 May 06 j 04:27	3° Υ 05'28	0°-18'-46		-1241 Jun 07 j 23:22	0° Υ	
minimum elong	-1247 May 06 j 04:27	3° Υ 05'28	0°18'47	retrograde	-1241 Sep 21 j 13:05	4° Υ 03'02	
max. Earth dist.	-1247 May 05 j 18:05	3° Υ 03'56	20.20727 AU	opposition	-1241 Dec 04 j 15:08	2° Υ 00'34	0°03'39
retrograde	-1247 Aug 24 j 21:33	7° Υ 19'15		min. Earth dist.	-1241 Dec 05 j 08:47	1° Υ 58'39	17.75700 AU
opposition	-1247 Nov 08 j 00:07	5° Υ 17'29	0°-19'-4		-1240 Feb 06 j 08:30	30° Υ	
min. Earth dist.	-1247 Nov 08 j 09:22	5° Υ 16'30	18.17083 AU	direct	-1240 Feb 17 j 17:34	29° Υ 56'32	
direct	-1246 Jan 21 j 17:41	3° Υ 15'57			-1240 Feb 29 j 02:05	0° Υ	
max. Earth dist.	-1246 May 10 j 11:03	7° Υ 25'24	20.13472 AU				
				conjunction	-1240 Jun 07 j 16:15	4° Υ 17'34	0°05'08
conjunction	-1246 May 11 j 00:21	7° Υ 27'21	0°-15'-36	minimum elong	-1240 Jun 07 j 16:16	4° Υ 17'34	0°05'08
minimum elong	-1246 May 11 j 00:21	7° Υ 27'21	0°15'36	behind sun begin	-1240 Jun 07 j 09:41	4° Υ 16'35	
behind sun begin	-1246 May 10 j 23:28	7° Υ 27'14		behind sun end	-1240 Jun 07 j 22:51	4° Υ 18'32	
behind sun end	-1246 May 11 j 01:13	7° Υ 27'29		max. Earth dist.	-1240 Jun 06 j 17:45	4° Υ 14'09	19.72635 AU
retrograde	-1246 Aug 29 j 13:45	11° Υ 41'59		retrograde	-1240 Sep 25 j 09:06	8° Υ 37'06	
opposition	-1246 Nov 12 j 12:47	9° Υ 40'03	0°-15'-29	opposition	-1240 Dec 08 j 08:28	6° Υ 34'38	0°07'36
min. Earth dist.	-1246 Nov 13 j 00:45	9° Υ 38'46	18.09830 AU	min. Earth dist.	-1240 Dec 09 j 04:11	6° Υ 32'29	17.69657 AU
direct	-1245 Jan 26 j 06:45	7° Υ 38'02		direct	-1239 Feb 21 j 11:03	4° Υ 30'18	
conjunction	-1245 May 15 j 21:05	11° Υ 51'01	0°-12'-20	conjunction	-1239 Jun 12 j 17:38	8° Υ 52'55	0°08'40
minimum elong	-1245 May 15 j 21:05	11° Υ 51'01	0°12'21	minimum elong	-1239 Jun 12 j 17:38	8° Υ 52'55	0°08'41
behind sun begin	-1245 May 15 j 16:44	11° Υ 50'24		behind sun begin	-1239 Jun 12 j 11:47	8° Υ 52'03	
behind sun end	-1245 May 16 j 01:26	11° Υ 51'39		behind sun end	-1239 Jun 12 j 23:29	8° Υ 53'47	
max. Earth dist.	-1245 May 15 j 06:25	11° Υ 48'51	20.06237 AU	max. Earth dist.	-1239 Jun 11 j 17:15	8° Υ 49'12	19.66744 AU
	-1245 Jul 13 j 23:56	15° Υ		retrograde	-1239 Sep 30 j 07:35	13° Υ 13'13	
retrograde	-1245 Sep 03 j 08:08	16° Υ 06'29		opposition	-1239 Dec 13 j 02:36	11° Υ 10'45	0°11'32
	-1245 Oct 25 j 16:51	15° Υ		min. Earth dist.	-1239 Dec 13 j 22:43	11° Υ 08'34	17.63908 AU
opposition	-1245 Nov 17 j 02:05	14° Υ 04'23	0°-11'-48	direct	-1238 Feb 26 j 08:34	9° Υ 06'09	
min. Earth dist.	-1245 Nov 17 j 14:37	14° Υ 03'02	18.02628 AU				
direct	-1244 Jan 30 j 22:19	12° Υ 01'55		conjunction	-1238 Jun 17 j 19:53	13° Υ 30'17	0°12'10
	-1244 Apr 28 j 03:05	15° Υ		minimum elong	-1238 Jun 17 j 19:53	13° Υ 30'17	0°12'12
				behind sun begin	-1238 Jun 17 j 15:27	13° Υ 29'37	
conjunction	-1244 May 19 j 18:22	16° Υ 16'29	0°-8'-59	behind sun end	-1238 Jun 18 j 00:20	13° Υ 30'57	
minimum elong	-1244 May 19 j 18:22	16° Υ 16'29	0°08'59	max. Earth dist.	-1238 Jun 16 j 18:51	13° Υ 26'27	19.61117 AU
behind sun begin	-1244 May 19 j 12:37	16° Υ 15'39		retrograde	-1238 Oct 05 j 04:41	17° Υ 51'16	
behind sun end	-1244 May 20 j 00:08	16° Υ 17'20		opposition	-1238 Dec 17 j 21:43	15° Υ 48'51	0°15'26
max. Earth dist.	-1244 May 19 j 01:30	16° Υ 13'59	19.99081 AU	min. Earth dist.	-1238 Dec 18 j 19:45	15° Υ 46'27	17.58423 AU
retrograde	-1244 Sep 07 j 01:32	20° Υ 32'48		direct	-1237 Mar 03 j 04:22	13° Υ 43'59	
opposition	-1244 Nov 20 j 16:18	18° Υ 30'33	0°-8'-2				
min. Earth dist.	-1244 Nov 21 j 07:13	18° Υ 28'56	17.95554 AU	conjunction	-1237 Jun 22 j 22:37	18° Υ 09'33	0°15'38
direct	-1243 Feb 03 j 12:48	16° Υ 27'38		minimum elong	-1237 Jun 22 j 22:37	18° Υ 09'33	0°15'39
				behind sun begin	-1237 Jun 22 j 21:46	18° Υ 09'26	
conjunction	-1243 May 24 j 16:40	20° Υ 43'49	0°-5'-34	behind sun end	-1237 Jun 22 j 23:27	18° Υ 09'41	
minimum elong	-1243 May 24 j 16:41	20° Υ 43'49	0°05'34	max. Earth dist.	-1237 Jun 21 j 19:25	18° Υ 05'22	19.55769 AU
behind sun begin	-1243 May 24 j 10:09	20° Υ 42'52		retrograde	-1237 Oct 10 j 03:58	22° Υ 31'12	
behind sun end	-1243 May 24 j 23:12	20° Υ 44'46		opposition	-1237 Dec 22 j 17:39	20° Υ 28'46	0°19'15
max. Earth dist.	-1243 May 23 j 22:25	20° Υ 41'05	19.92098 AU	min. Earth dist.	-1237 Dec 23 j 16:08	20° Υ 26'19	17.53220 AU
retrograde	-1243 Sep 11 j 21:17	25° Υ 00'56		direct	-1236 Mar 07 j 04:22	18° Υ 23'37	
opposition	-1243 Nov 25 j 06:58	22° Υ 58'35	0°-4'-11	max. Earth dist.	-1236 Jun 25 j 22:36	22° Υ 46'20	19.50691 AU

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Attention, astronomical year style is used: The year -1220 in astronomical counting style is the year 1221 BCE in historical counting style.

conjunction	-1220 Sep 13 j 05:50	9° \mathbb{M} 17'20	0°44'02	conjunction	-1212 Oct 19 j 22:19	16° \mathbb{L} 21'02	0°29'50
minimum elong	-1220 Sep 13 j 05:49	9° \mathbb{M} 17'20	0°44'02	minimum elong	-1212 Oct 19 j 22:19	16° \mathbb{L} 21'02	0°29'50
max. Earth dist.	-1220 Sep 12 j 12:54	9° \mathbb{M} 14'40	19.37994 AU	max. Earth dist.	-1212 Oct 20 j 00:10	16° \mathbb{L} 21'19	19.80311 AU
retrograde	-1220 Dec 29 j 06:53	13° \mathbb{M} 38'37		retrograde	-1211 Feb 04 j 01:56	20° \mathbb{L} 36'00	
opposition	-1219 Mar 13 j 08:51	11° \mathbb{M} 37'08	0°48'38	opposition	-1211 Apr 20 j 16:43	18° \mathbb{L} 35'25	0°31'41
min. Earth dist.	-1219 Mar 13 j 22:32	11° \mathbb{M} 35'41	17.39835 AU	min. Earth dist.	-1211 Apr 20 j 13:54	18° \mathbb{L} 35'43	17.83733 AU
direct	-1219 May 29 j 10:47	9° \mathbb{M} 31'34		direct	-1211 Jul 06 j 22:40	16° \mathbb{L} 32'41	
conjunction	-1219 Sep 18 j 05:16	14° \mathbb{M} 01'12	0°43'09	conjunction	-1211 Oct 24 j 14:16	20° \mathbb{L} 51'04	0°27'07
minimum elong	-1219 Sep 18 j 05:17	14° \mathbb{M} 01'12	0°43'09	minimum elong	-1211 Oct 24 j 14:16	20° \mathbb{L} 51'04	0°27'07
max. Earth dist.	-1219 Sep 17 j 15:23	13° \mathbb{M} 59'00	19.41734 AU	max. Earth dist.	-1211 Oct 24 j 18:32	20° \mathbb{L} 51'43	19.87231 AU
retrograde	-1218 Jan 03 j 05:01	18° \mathbb{M} 21'47		retrograde	-1210 Feb 08 j 20:29	25° \mathbb{L} 05'09	
opposition	-1218 Mar 18 j 11:26	16° \mathbb{M} 20'24	0°47'29	opposition	-1210 Apr 25 j 15:19	23° \mathbb{L} 04'45	0°28'34
min. Earth dist.	-1218 Mar 18 j 23:47	16° \mathbb{M} 19'05	17.43780 AU	min. Earth dist.	-1210 Apr 25 j 09:35	23° \mathbb{L} 05'21	17.90724 AU
direct	-1218 Jun 03 j 13:48	14° \mathbb{M} 15'04		direct	-1210 Jul 11 j 21:52	21° \mathbb{L} 02'29	
conjunction	-1218 Sep 23 j 03:38	18° \mathbb{M} 43'32	0°41'59	conjunction	-1210 Oct 29 j 05:27	25° \mathbb{L} 19'15	0°24'15
minimum elong	-1218 Sep 23 j 03:38	18° \mathbb{M} 43'32	0°42'00	minimum elong	-1210 Oct 29 j 05:27	25° \mathbb{L} 19'15	0°24'14
max. Earth dist.	-1218 Sep 22 j 14:46	18° \mathbb{M} 41'31	19.45913 AU	max. Earth dist.	-1210 Oct 29 j 11:44	25° \mathbb{L} 20'12	19.94284 AU
retrograde	-1217 Jan 08 j 04:04	23° \mathbb{M} 03'25		retrograde	-1209 Feb 13 j 13:00	29° \mathbb{L} 32'28	
opposition	-1217 Mar 23 j 13:36	21° \mathbb{M} 02'04	0°46'01	opposition	-1209 Apr 30 j 13:20	27° \mathbb{L} 32'14	0°25'18
min. Earth dist.	-1217 Mar 23 j 23:43	21° \mathbb{M} 00'59	17.48189 AU	min. Earth dist.	-1209 Apr 30 j 06:38	27° \mathbb{L} 32'56	17.97832 AU
direct	-1217 Jun 08 j 17:18	18° \mathbb{M} 56'59		direct	-1209 Jul 16 j 17:16	25° \mathbb{L} 30'24	
conjunction	-1217 Sep 28 j 01:04	23° \mathbb{M} 24'12	0°40'32	conjunction	-1209 Nov 02 j 19:46	29° \mathbb{L} 45'32	0°21'16
minimum elong	-1217 Sep 28 j 01:04	23° \mathbb{M} 24'12	0°40'32	minimum elong	-1209 Nov 02 j 19:46	29° \mathbb{L} 45'32	0°21'15
max. Earth dist.	-1217 Sep 27 j 15:32	23° \mathbb{M} 22'43	19.50553 AU	max. Earth dist.	-1209 Nov 03 j 03:51	29° \mathbb{L} 46'46	20.01417 AU
retrograde	-1216 Jan 13 j 00:56	27° \mathbb{M} 43'19		retrograde	-1209 Nov 06 j 17:53	0° \mathbb{M}	
opposition	-1216 Mar 27 j 15:23	25° \mathbb{M} 42'02	0°44'15	retrograde	-1208 Feb 18 j 06:48	3° \mathbb{M} 57'52	
min. Earth dist.	-1216 Mar 27 j 23:26	25° \mathbb{M} 41'11	17.53046 AU	opposition	-1208 May 04 j 10:30	1° \mathbb{M} 57'47	0°21'54
direct	-1216 Jun 12 j 20:07	23° \mathbb{M} 37'15		min. Earth dist.	-1208 May 04 j 01:01	1° \mathbb{M} 58'45	18.04961 AU
conjunction	-1216 Oct 01 j 21:30	28° \mathbb{M} 03'07	0°38'50	direct	-1208 Jul 08 j 16:13	30° \mathbb{R} \mathbb{L}	
minimum elong	-1216 Oct 01 j 21:30	28° \mathbb{M} 03'07	0°38'50	direct	-1208 Jul 20 j 14:44	29° \mathbb{L} 56'23	
max. Earth dist.	-1216 Oct 01 j 13:25	28° \mathbb{M} 01'51	19.55649 AU	direct	-1208 Aug 01 j 10:12	0° \mathbb{M}	
retrograde	-1216 Nov 02 j 23:51	0° \mathbb{L}		conjunction	-1208 Nov 06 j 09:16	4° \mathbb{M} 09'53	0°18'10
opposition	-1215 Jan 16 j 22:07	2° \mathbb{L} 21'26		minimum elong	-1208 Nov 06 j 09:16	4° \mathbb{M} 09'53	0°18'09
min. Earth dist.	-1215 Apr 01 j 16:36	0° \mathbb{L} 20'14	0°42'13	max. Earth dist.	-1208 Nov 06 j 19:20	4° \mathbb{M} 11'25	20.08526 AU
direct	-1215 Apr 01 j 22:30	0° \mathbb{L} 19'36	17.58383 AU	retrograde	-1207 Feb 21 j 21:58	8° \mathbb{M} 21'20	
retrograde	-1215 Apr 09 j 17:18	30° \mathbb{R} \mathbb{M}		opposition	-1207 May 09 j 07:07	6° \mathbb{M} 21'22	0°18'23
direct	-1215 Jun 17 j 22:16	28° \mathbb{M} 15'47		min. Earth dist.	-1207 May 08 j 20:58	6° \mathbb{M} 22'24	18.12052 AU
conjunction	-1215 Oct 06 j 17:09	2° \mathbb{L} 40'16	0°36'54	direct	-1207 Jul 25 j 08:58	4° \mathbb{M} 20'23	
minimum elong	-1215 Oct 06 j 17:09	2° \mathbb{L} 40'16	0°36'53	conjunction	-1207 Nov 10 j 21:58	8° \mathbb{M} 32'14	0°14'59
max. Earth dist.	-1215 Oct 06 j 12:18	2° \mathbb{L} 39'30	19.61222 AU	minimum elong	-1207 Nov 10 j 21:59	8° \mathbb{M} 32'14	0°14'58
retrograde	-1214 Jan 21 j 17:46	6° \mathbb{L} 57'44		behind sun begin	-1207 Nov 10 j 19:18	8° \mathbb{M} 31'50	
opposition	-1214 Apr 06 j 17:29	4° \mathbb{L} 56'40	0°39'55	behind sun end	-1207 Nov 11 j 00:39	8° \mathbb{M} 32'38	
min. Earth dist.	-1214 Apr 06 j 20:41	4° \mathbb{L} 56'20	17.64166 AU	max. Earth dist.	-1207 Nov 11 j 09:25	8° \mathbb{M} 33'58	20.15586 AU
direct	-1214 Jun 23 j 00:29	2° \mathbb{L} 52'37		retrograde	-1206 Feb 26 j 14:21	12° \mathbb{M} 42'48	
conjunction	-1214 Oct 11 j 11:39	7° \mathbb{L} 15'37	0°34'45	opposition	-1206 May 14 j 02:52	10° \mathbb{M} 42'55	0°14'48
minimum elong	-1214 Oct 11 j 11:39	7° \mathbb{L} 15'37	0°34'44	min. Earth dist.	-1206 May 13 j 13:58	10° \mathbb{M} 44'14	18.19061 AU
max. Earth dist.	-1214 Oct 11 j 08:40	7° \mathbb{L} 15'09	19.67226 AU	direct	-1206 Jul 30 j 04:45	8° \mathbb{M} 42'19	
retrograde	-1213 Jan 26 j 13:08	11° \mathbb{L} 32'17		conjunction	-1206 Nov 15 j 09:47	12° \mathbb{M} 52'32	0°11'44
opposition	-1213 Apr 11 j 17:52	9° \mathbb{L} 31'21	0°37'23	minimum elong	-1206 Nov 15 j 09:47	12° \mathbb{M} 52'32	0°11'44
min. Earth dist.	-1213 Apr 11 j 19:12	9° \mathbb{L} 31'12	17.70374 AU	behind sun begin	-1206 Nov 15 j 05:05	12° \mathbb{M} 51'51	
direct	-1213 Jun 28 j 00:34	7° \mathbb{L} 27'43		behind sun end	-1206 Nov 15 j 14:28	12° \mathbb{M} 53'14	
conjunction	-1213 Oct 16 j 05:27	11° \mathbb{L} 49'13	0°32'23	max. Earth dist.	-1206 Nov 15 j 23:19	12° \mathbb{M} 54'35	20.22537 AU
minimum elong	-1213 Oct 16 j 05:27	11° \mathbb{L} 49'13	0°32'23	retrograde	-1206 Dec 22 j 02:19	15° \mathbb{M}	
max. Earth dist.	-1213 Oct 16 j 05:22	11° \mathbb{L} 49'12	19.73622 AU	opposition	-1205 Mar 03 j 04:15	17° \mathbb{M} 02'13	
retrograde	-1212 Jan 31 j 08:06	16° \mathbb{L} 05'01		min. Earth dist.	-1205 May 18 j 21:56	15° \mathbb{M} 02'24	0°11'09
opposition	-1212 Apr 15 j 17:26	14° \mathbb{L} 04'16	0°34'38	direct	-1205 May 18 j 08:30	15° \mathbb{M} 03'47	18.25962 AU
min. Earth dist.	-1212 Apr 15 j 15:58	14° \mathbb{L} 04'25	17.76917 AU	direct	-1205 May 19 j 21:34	15° \mathbb{R} \mathbb{M}	
direct	-1212 Jul 02 j 01:09	12° \mathbb{L} 01'05		direct	-1205 Aug 03 j 21:41	13° \mathbb{M} 02'09	
				direct	-1205 Oct 12 j 22:09	15° \mathbb{M}	
				conjunction	-1205 Nov 19 j 20:46	17° \mathbb{M} 10'45	0°08'27

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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.

minimum elong	-1205 Nov 19 j 20:46	17°M.10'45	0°08'26	min. Earth dist.	-1198 Jun 17 j 10:46	14°Z.28'19	18.71434 AU
behind sun begin	-1205 Nov 19 j 15:01	17°M.09'54		opposition	-1198 Jun 18 j 11:27	14°Z.25'51	0°-14'-5
behind sun end	-1205 Nov 20 j 02:32	17°M.11'36		direct	-1198 Sep 03 j 00:31	12°Z.28'02	
max. Earth dist.	-1205 Nov 20 j 11:27	17°M.12'58	20.29386 AU				
retrograde	-1204 Mar 06 j 18:54	21°M.19'34		conjunction	-1198 Dec 18 j 06:01	16°Z.27'00	0°-14'-16
opposition	-1204 May 22 j 15:48	19°M.19'48	0°07'29	minimum elong	-1198 Dec 18 j 06:01	16°Z.26'59	0°14'19
min. Earth dist.	-1204 May 21 j 23:46	19°M.21'26	18.32754 AU	behind sun begin	-1198 Dec 18 j 02:49	16°Z.26'32	
direct	-1204 Aug 07 j 15:16	17°M.19'52		behind sun end	-1198 Dec 18 j 09:13	16°Z.27'27	
				max. Earth dist.	-1198 Dec 19 j 07:49	16°Z.30'47	20.74354 AU
conjunction	-1204 Nov 23 j 06:59	21°M.26'54	0°05'10	retrograde	-1197 Apr 06 j 04:07	20°Z.30'55	
minimum elong	-1204 Nov 23 j 06:58	21°M.26'54	0°05'09	min. Earth dist.	-1197 Jun 21 j 23:28	18°Z.34'17	18.77231 AU
behind sun begin	-1204 Nov 23 j 00:38	21°M.25'58		opposition	-1197 Jun 23 j 00:16	18°Z.31'48	0°-17'-27
behind sun end	-1204 Nov 23 j 13:19	21°M.27'50		direct	-1197 Sep 07 j 11:03	16°Z.34'20	
max. Earth dist.	-1204 Nov 23 j 23:57	21°M.29'27	20.36121 AU				
retrograde	-1203 Mar 11 j 07:09	25°M.34'52		conjunction	-1197 Dec 22 j 12:14	20°Z.32'12	0°-17'-16
opposition	-1203 May 27 j 09:10	23°M.35'09	0°03'48	minimum elong	-1197 Dec 22 j 12:13	20°Z.32'12	0°17'18
min. Earth dist.	-1203 May 26 j 16:28	23°M.36'51	18.39453 AU	max. Earth dist.	-1197 Dec 23 j 13:57	20°Z.35'58	20.79991 AU
direct	-1203 Aug 12 j 06:48	21°M.35'34		retrograde	-1196 Apr 09 j 15:37	24°Z.35'36	
				min. Earth dist.	-1196 Jun 25 j 10:17	22°Z.39'12	18.82695 AU
conjunction	-1203 Nov 27 j 16:12	25°M.41'03	0°01'50	opposition	-1196 Jun 26 j 12:17	22°Z.36'36	0°-20'-44
minimum elong	-1203 Nov 27 j 16:12	25°M.41'03	0°01'49	direct	-1196 Sep 10 j 21:02	20°Z.39'27	
behind sun begin	-1203 Nov 27 j 09:40	25°M.40'06					
behind sun end	-1203 Nov 27 j 22:44	25°M.42'00		conjunction	-1196 Dec 25 j 18:15	24°Z.36'19	0°-20'-11
max. Earth dist.	-1203 Nov 28 j 10:18	25°M.43'45	20.42785 AU	minimum elong	-1196 Dec 25 j 18:15	24°Z.36'19	0°20'14
retrograde	-1202 Mar 15 j 20:57	29°M.48'13		max. Earth dist.	-1196 Dec 26 j 21:32	24°Z.40'17	20.85248 AU
min. Earth dist.	-1202 May 31 j 06:12	27°M.50'31	18.46083 AU	retrograde	-1195 Apr 13 j 23:38	28°Z.39'15	
opposition	-1202 Jun 01 j 01:35	27°M.48'33	0°00'08	opposition	-1195 Jun 30 j 23:56	26°Z.40'20	0°-23'-53
desc. node	-1202 Jun 14 j 15:00	27°M.16'05		min. Earth dist.	-1195 Jun 29 j 22:04	26°Z.42'55	18.87746 AU
direct	-1202 Aug 16 j 21:56	25°M.49'18		direct	-1195 Sep 15 j 06:15	24°Z.43'28	
conjunction	-1202 Dec 02 j 01:00	29°M.53'20	0°-1'-33	conjunction	-1195 Dec 29 j 23:50	28°Z.39'22	0°-22'-59
minimum elong	-1202 Dec 02 j 00:59	29°M.53'20	0°01'34	minimum elong	-1195 Dec 29 j 23:50	28°Z.39'22	0°23'00
behind sun begin	-1202 Dec 01 j 18:27	29°M.52'23		max. Earth dist.	-1195 Dec 31 j 02:37	28°Z.43'16	20.90076 AU
behind sun end	-1202 Dec 02 j 07:31	29°M.54'17					
max. Earth dist.	-1202 Dec 02 j 21:26	29°M.56'23	20.49365 AU	retrograde	-1194 Jan 22 j 12:24	0°Z	
	-1202 Dec 03 j 21:37	0°Z		min. Earth dist.	-1194 Apr 18 j 10:03	2°Z.41'54	
retrograde	-1201 Mar 20 j 07:49	3°Z.59'45		opposition	-1194 Jul 04 j 08:21	0°Z.45'41	18.92341 AU
opposition	-1201 Jun 05 j 17:08	2°Z.00'10	0°-3'-29	opposition	-1194 Jul 05 j 10:56	0°Z.43'02	0°-26'-54
min. Earth dist.	-1201 Jun 04 j 21:07	2°Z.02'11	18.52630 AU	direct	-1194 Jul 23 j 20:48	30°R.Z	
direct	-1201 Aug 21 j 11:49	0°Z.01'16			-1194 Sep 19 j 14:52	28°Z.46'23	
					-1194 Nov 13 j 06:51	0°Z	
conjunction	-1201 Dec 06 j 09:00	4°Z.03'56	0°-4'-50	conjunction	-1193 Jan 03 j 05:26	2°Z.41'25	0°-25'-39
minimum elong	-1201 Dec 06 j 08:59	4°Z.03'56	0°04'52	minimum elong	-1193 Jan 03 j 05:26	2°Z.41'25	0°25'41
behind sun begin	-1201 Dec 06 j 02:37	4°Z.03'00		max. Earth dist.	-1193 Jan 04 j 09:20	2°Z.45'27	20.94405 AU
behind sun end	-1201 Dec 06 j 15:22	4°Z.04'51		retrograde	-1193 Apr 22 j 17:47	6°Z.43'32	
max. Earth dist.	-1201 Dec 07 j 06:10	4°Z.07'04	20.55865 AU	opposition	-1193 Jul 09 j 21:11	4°Z.44'41	0°-29'-47
retrograde	-1200 Mar 23 j 20:57	8°Z.09'38		min. Earth dist.	-1193 Jul 08 j 19:03	4°Z.47'17	18.96413 AU
min. Earth dist.	-1200 Jun 08 j 09:30	6°Z.12'24	18.59072 AU	direct	-1193 Sep 23 j 23:06	2°Z.48'13	
opposition	-1200 Jun 09 j 07:52	6°Z.10'09	0°-7'-5				
direct	-1200 Aug 25 j 00:50	4°Z.11'37		conjunction	-1192 Jan 07 j 10:39	6°Z.42'26	0°-28'-11
				minimum elong	-1192 Jan 07 j 10:38	6°Z.42'26	0°28'13
conjunction	-1200 Dec 09 j 16:27	8°Z.12'58	0°-8'-2	max. Earth dist.	-1192 Jan 08 j 13:36	6°Z.46'20	20.98221 AU
minimum elong	-1200 Dec 09 j 16:27	8°Z.12'58	0°08'04	retrograde	-1192 Apr 26 j 02:44	10°Z.44'11	
behind sun begin	-1200 Dec 09 j 10:36	8°Z.12'07		min. Earth dist.	-1192 Jul 12 j 04:28	8°Z.47'57	18.99972 AU
behind sun end	-1200 Dec 09 j 22:18	8°Z.13'48		opposition	-1192 Jul 13 j 06:57	8°Z.45'19	0°-32'-30
max. Earth dist.	-1200 Dec 10 j 15:51	8°Z.16'26	20.62224 AU	direct	-1192 Sep 27 j 06:23	6°Z.48'57	
retrograde	-1199 Mar 28 j 06:49	12°Z.18'02					
opposition	-1199 Jun 13 j 22:04	10°Z.18'40	0°-10'-37	conjunction	-1191 Jan 10 j 15:34	10°Z.42'26	0°-30'-34
min. Earth dist.	-1199 Jun 12 j 23:13	10°Z.20'58	18.65351 AU	minimum elong	-1191 Jan 10 j 15:34	10°Z.42'26	0°30'36
direct	-1199 Aug 29 j 13:05	8°Z.20'31		max. Earth dist.	-1191 Jan 11 j 19:35	10°Z.46'28	21.01514 AU
				retrograde	-1191 Apr 30 j 10:08	14°Z.43'51	
conjunction	-1199 Dec 13 j 23:24	12°Z.20'37	0°-11'-11	opposition	-1191 Jul 17 j 16:12	12°Z.44'56	0°-35'-3
minimum elong	-1199 Dec 13 j 23:24	12°Z.20'37	0°11'13	min. Earth dist.	-1191 Jul 16 j 14:03	12°Z.47'33	19.03019 AU
behind sun begin	-1199 Dec 13 j 18:31	12°Z.19'55		direct	-1191 Oct 01 j 13:44	10°Z.48'40	
behind sun end	-1199 Dec 14 j 04:18	12°Z.21'19					
max. Earth dist.	-1199 Dec 14 j 23:15	12°Z.24'08	20.68412 AU	conjunction	-1190 Jan 14 j 20:18	14°Z.41'29	0°-32'-48
retrograde	-1198 Apr 01 j 19:18	16°Z.25'06		minimum elong	-1190 Jan 14 j 20:18	14°Z.41'28	0°32'50

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Attention, astronomical year style is used: The year -1190 in astronomical counting style is the year 1191 BCE in historical counting style.

max. Earth dist.	-1190 Jan 15 j 23:24	14°☾45'22	21.04336 AU	conjunction	-1182 Feb 15 j 11:50	16°☾17'44	0°-44'-8
retrograde	-1190 May 04 j 18:22	18°☾42'37		minimum elong	-1182 Feb 15 j 11:49	16°☾17'44	0°44'08
min. Earth dist.	-1190 Jul 20 j 22:26	16°☾46'15	19.05624 AU	max. Earth dist.	-1182 Feb 16 j 11:47	16°☾21'09	21.11871 AU
opposition	-1190 Jul 22 j 00:45	16°☾43'38	0°-37'-24	retrograde	-1182 Jun 06 j 08:50	20°☾19'07	
direct	-1190 Oct 05 j 19:59	14°☾47'24		min. Earth dist.	-1182 Aug 22 j 10:35	18°☾22'04	19.11410 AU
conjunction	-1189 Jan 19 j 01:02	18°☾39'39	0°-34'-51	opposition	-1182 Aug 23 j 08:17	18°☾19'52	0°-49'-4
minimum elong	-1189 Jan 19 j 01:02	18°☾39'39	0°34'53	direct	-1182 Nov 06 j 08:50	16°☾23'52	
max. Earth dist.	-1189 Jan 20 j 05:07	18°☾43'41	21.06712 AU	conjunction	-1181 Feb 19 j 18:12	20°☾15'23	0°-44'-39
retrograde	-1189 May 09 j 01:19	22°☾40'34		minimum elong	-1181 Feb 19 j 18:12	20°☾15'23	0°44'41
min. Earth dist.	-1189 Jul 25 j 06:50	20°☾44'07	19.07792 AU	max. Earth dist.	-1181 Feb 20 j 17:52	20°☾18'45	21.10711 AU
opposition	-1189 Jul 26 j 08:50	20°☾41'31	0°-39'-35	retrograde	-1181 Jun 10 j 16:53	24°☾17'03	
direct	-1189 Oct 10 j 01:54	18°☾45'21		opposition	-1181 Aug 27 j 14:29	22°☾17'46	0°-49'-32
conjunction	-1188 Jan 23 j 05:30	22°☾37'07	0°-36'-44	min. Earth dist.	-1181 Aug 26 j 18:01	22°☾19'50	19.09954 AU
minimum elong	-1188 Jan 23 j 05:30	22°☾37'07	0°36'47	direct	-1181 Nov 10 j 13:53	20°☾21'42	
max. Earth dist.	-1188 Jan 24 j 08:34	22°☾40'59	21.08682 AU	conjunction	-1180 Feb 24 j 00:43	24°☾13'33	0°-44'-58
retrograde	-1188 May 12 j 09:28	26°☾37'53		minimum elong	-1180 Feb 24 j 00:43	24°☾13'33	0°44'59
opposition	-1188 Jul 29 j 16:25	24°☾38'46	0°-41'-34	max. Earth dist.	-1180 Feb 24 j 21:51	24°☾16'33	21.08969 AU
min. Earth dist.	-1188 Jul 28 j 14:23	24°☾41'22	19.09570 AU	retrograde	-1180 Jun 14 j 02:15	28°☾15'34	
direct	-1188 Oct 13 j 07:22	22°☾42'38		opposition	-1180 Aug 30 j 20:44	26°☾16'11	0°-49'-45
conjunction	-1187 Jan 26 j 10:10	26°☾34'04	0°-38'-27	min. Earth dist.	-1180 Aug 30 j 01:50	26°☾18'06	19.07916 AU
minimum elong	-1187 Jan 26 j 10:09	26°☾34'04	0°38'28	direct	-1180 Nov 13 j 17:51	24°☾19'58	
max. Earth dist.	-1187 Jan 27 j 14:07	26°☾38'03	21.10258 AU	conjunction	-1179 Feb 27 j 07:56	28°☾12'14	0°-45'-4
retrograde	-1187 Apr 08 j 10:57	0°☾		minimum elong	-1179 Feb 27 j 07:56	28°☾12'14	0°45'06
opposition	-1187 May 16 j 16:23	0°☾34'45		max. Earth dist.	-1179 Feb 28 j 04:32	28°☾15'09	21.06637 AU
min. Earth dist.	-1187 Jun 24 j 20:15	30°☾☾		retrograde	-1179 Apr 01 j 00:35	0°☾	
direct	-1187 Aug 02 j 23:42	28°☾35'36	0°-43'-20	retrograde	-1179 Jun 18 j 10:29	2°☾14'37	
conjunction	-1187 Aug 01 j 22:02	28°☾38'10	19.10952 AU	min. Earth dist.	-1179 Sep 03 j 09:15	0°☾16'54	19.05292 AU
retrograde	-1187 Oct 17 j 12:12	26°☾39'31		opposition	-1179 Sep 04 j 02:51	0°☾15'06	0°-49'-44
direct	-1186 Jan 21 j 15:24	0°☾		retrograde	-1179 Sep 10 j 08:05	30°☾☾	
conjunction	-1186 Jan 30 j 14:44	0°☾30'41	0°-39'-58	direct	-1179 Nov 17 j 22:40	28°☾18'43	
minimum elong	-1186 Jan 30 j 14:44	0°☾30'41	0°40'00	conjunction	-1178 Jan 21 j 21:46	0°☾	
max. Earth dist.	-1186 Jan 31 j 17:28	0°☾34'30	21.11451 AU	conjunction	-1178 Mar 03 j 15:25	2°☾11'27	0°-44'-56
retrograde	-1186 May 21 j 00:45	4°☾31'23		minimum elong	-1178 Mar 03 j 15:25	2°☾11'27	0°44'58
min. Earth dist.	-1186 Aug 06 j 05:19	2°☾34'44	19.11946 AU	max. Earth dist.	-1178 Mar 04 j 09:20	2°☾14'00	21.03754 AU
opposition	-1186 Aug 07 j 06:40	2°☾32'12	0°-44'-55	retrograde	-1178 Jun 22 j 20:18	6°☾14'15	
direct	-1186 Oct 21 j 16:47	0°☾36'09		opposition	-1178 Sep 08 j 09:01	4°☾14'34	0°-49'-29
conjunction	-1185 Feb 03 j 19:41	4°☾27'11	0°-41'-18	min. Earth dist.	-1178 Sep 07 j 17:10	4°☾16'11	19.02145 AU
minimum elong	-1185 Feb 03 j 19:41	4°☾27'11	0°41'20	direct	-1178 Nov 22 j 03:37	2°☾17'56	
max. Earth dist.	-1185 Feb 04 j 23:00	4°☾31'05	21.12230 AU	conjunction	-1177 Mar 07 j 23:31	6°☾11'15	0°-44'-35
retrograde	-1185 May 25 j 07:50	8°☾27'56		minimum elong	-1177 Mar 07 j 23:31	6°☾11'15	0°44'36
opposition	-1185 Aug 11 j 13:11	6°☾28'45	0°-46'-17	max. Earth dist.	-1177 Mar 08 j 16:56	6°☾13'43	21.00359 AU
min. Earth dist.	-1185 Aug 10 j 12:30	6°☾31'14	19.12509 AU	retrograde	-1177 Jun 27 j 04:35	10°☾14'28	
direct	-1185 Oct 25 j 21:19	4°☾32'45		opposition	-1177 Sep 12 j 15:01	8°☾14'37	0°-48'-59
conjunction	-1184 Feb 08 j 00:43	8°☾23'45	0°-42'-27	min. Earth dist.	-1177 Sep 12 j 00:22	8°☾16'07	18.98514 AU
minimum elong	-1184 Feb 08 j 00:43	8°☾23'45	0°42'28	direct	-1177 Nov 26 j 08:20	6°☾17'45	
max. Earth dist.	-1184 Feb 09 j 02:27	8°☾27'25	21.12587 AU	conjunction	-1176 Mar 11 j 07:54	10°☾11'42	0°-44'-1
retrograde	-1184 May 28 j 16:18	12°☾24'40		minimum elong	-1176 Mar 11 j 07:54	10°☾11'42	0°44'03
opposition	-1184 Aug 14 j 19:43	10°☾25'27	0°-47'-26	max. Earth dist.	-1176 Mar 11 j 22:43	10°☾13'48	20.96532 AU
min. Earth dist.	-1184 Aug 13 j 19:46	10°☾27'52	19.12642 AU	retrograde	-1176 Jun 30 j 14:32	14°☾15'26	
direct	-1184 Oct 29 j 00:52	8°☾29'29		opposition	-1176 Sep 15 j 21:15	12°☾15'23	0°-48'-15
conjunction	-1183 Feb 11 j 06:02	12°☾20'34	0°-43'-23	min. Earth dist.	-1176 Sep 15 j 08:18	12°☾16'42	18.94494 AU
minimum elong	-1183 Feb 11 j 06:02	12°☾20'34	0°43'25	direct	-1176 Nov 29 j 13:44	10°☾18'13	
max. Earth dist.	-1183 Feb 12 j 08:05	12°☾24'16	21.12478 AU	conjunction	-1175 Mar 15 j 16:55	14°☾12'55	0°-43'-14
retrograde	-1183 Apr 03 j 05:47	15°☾		minimum elong	-1175 Mar 15 j 16:55	14°☾12'55	0°43'15
min. Earth dist.	-1183 Jun 01 j 23:58	16°☾21'40		max. Earth dist.	-1175 Mar 16 j 07:22	14°☾14'58	20.92327 AU
opposition	-1183 Aug 03 j 06:00	15°☾☾		retrograde	-1175 Jul 04 j 23:43	18°☾17'11	
direct	-1183 Aug 18 j 03:04	14°☾24'46	19.12282 AU	opposition	-1175 Sep 20 j 03:34	16°☾16'58	0°-47'-16
conjunction	-1183 Aug 19 j 02:05	14°☾22'28	0°-48'-22	min. Earth dist.	-1175 Sep 19 j 15:41	16°☾18'11	18.90113 AU
retrograde	-1183 Nov 02 j 05:41	12°☾26'29		direct	-1175 Dec 03 j 19:18	14°☾19'31	
direct	-1182 Jan 23 j 07:25	15°☾					

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Attention, astronomical year style is used: The year -1174 in astronomical counting style is the year 1175 BCE in historical counting style.

conjunction	-1174 Mar 20 j 02:32	18° ✕ 15'03	0°-42'-14	conjunction	-1166 Apr 23 j 12:28	21° ∇ 23'04	0°-26'-52
minimum elong	-1174 Mar 20 j 02:32	18° ✕ 15'03	0°42'15	minimum elong	-1166 Apr 23 j 12:28	21° ∇ 23'04	0°26'52
max. Earth dist.	-1174 Mar 20 j 14:16	18° ✕ 16'43	20.87798 AU	max. Earth dist.	-1166 Apr 23 j 07:46	21° ∇ 22'23	20.41855 AU
retrograde	-1174 Jul 09 j 09:40	22° ✕ 19'55		retrograde	-1166 Aug 12 j 12:11	25° ∇ 34'14	
opposition	-1174 Sep 24 j 10:02	20° ✕ 19'31	0°-46'-3	opposition	-1166 Oct 27 j 04:38	23° ∇ 32'53	0°-28'-15
min. Earth dist.	-1174 Sep 24 j 00:01	20° ✕ 20'33	18.85435 AU	min. Earth dist.	-1166 Oct 27 j 09:13	23° ∇ 32'24	18.38374 AU
direct	-1174 Dec 08 j 00:48	18° ✕ 21'47		direct	-1165 Jan 09 j 18:29	21° ∇ 32'36	
conjunction	-1173 Mar 24 j 12:58	22° ✕ 18'15	0°-41'-1	conjunction	-1165 Apr 28 j 05:50	25° ∇ 39'20	0°-24'-7
minimum elong	-1173 Mar 24 j 12:58	22° ✕ 18'15	0°41'02	minimum elong	-1165 Apr 28 j 05:50	25° ∇ 39'20	0°24'07
max. Earth dist.	-1173 Mar 25 j 00:12	22° ✕ 19'51	20.82976 AU	max. Earth dist.	-1165 Apr 27 j 23:49	25° ∇ 38'27	20.34868 AU
retrograde	-1173 Jul 13 j 20:22	26° ✕ 23'46		retrograde	-1165 Aug 17 j 03:49	29° ∇ 51'20	
opposition	-1173 Sep 28 j 16:48	24° ✕ 23'14	0°-44'-36	opposition	-1165 Oct 31 j 15:20	27° ∇ 49'50	0°-25'-7
min. Earth dist.	-1173 Sep 28 j 07:48	24° ✕ 24'09	18.80473 AU	min. Earth dist.	-1165 Oct 31 j 21:02	27° ∇ 49'14	18.31279 AU
direct	-1173 Dec 12 j 07:28	22° ✕ 25'13		direct	-1164 Jan 14 j 06:49	25° ∇ 49'08	
conjunction	-1172 Mar 27 j 23:46	26° ✕ 22'41	0°-39'-36	conjunction	-1164 May 01 j 23:41	29° ∇ 57'21	0°-21'-12
minimum elong	-1172 Mar 27 j 23:46	26° ✕ 22'41	0°39'37	minimum elong	-1164 May 01 j 23:41	29° ∇ 57'21	0°21'12
max. Earth dist.	-1172 Mar 28 j 08:13	26° ✕ 23'53	20.77897 AU	max. Earth dist.	-1164 May 01 j 14:26	29° ∇ 56'00	20.27696 AU
	-1172 Jun 12 j 20:56	0° ∇			-1164 May 02 j 17:47	0° ∇	
retrograde	-1172 Jul 17 j 06:35	0° ∇ 28'55		retrograde	-1164 Aug 20 j 18:25	4° ∇ 10'14	
	-1172 Aug 20 j 23:21	30° ∇		opposition	-1164 Nov 04 j 02:46	2° ∇ 08'33	0°-21'-49
opposition	-1172 Oct 02 j 00:02	28° ✕ 28'15	0°-42'-56	min. Earth dist.	-1164 Nov 04 j 11:10	2° ∇ 07'39	18.24049 AU
min. Earth dist.	-1172 Oct 01 j 17:00	28° ✕ 28'58	18.75270 AU	direct	-1163 Jan 17 j 18:33	0° ∇ 07'23	
direct	-1172 Dec 15 j 13:21	26° ✕ 29'57					
	-1171 Mar 24 j 04:57	0° ∇					
conjunction	-1171 Apr 01 j 11:42	0° ∇ 28'32	0°-37'-59	conjunction	-1163 May 06 j 18:43	4° ∇ 17'10	0°-18'-9
minimum elong	-1171 Apr 01 j 11:42	0° ∇ 28'32	0°38'00	minimum elong	-1163 May 06 j 18:43	4° ∇ 17'10	0°18'09
max. Earth dist.	-1171 Apr 01 j 19:31	0° ∇ 29'39	20.72573 AU	max. Earth dist.	-1163 May 06 j 08:17	4° ∇ 15'38	20.20426 AU
retrograde	-1171 Jul 21 j 18:47	4° ∇ 35'30		retrograde	-1163 Aug 25 j 11:28	8° ∇ 30'54	
opposition	-1171 Oct 06 j 07:26	2° ∇ 34'43	0°-41'-1	opposition	-1163 Nov 08 j 14:32	6° ∇ 29'03	0°-18'-22
min. Earth dist.	-1171 Oct 06 j 01:33	2° ∇ 35'20	18.69815 AU	min. Earth dist.	-1163 Nov 08 j 23:50	6° ∇ 28'03	18.16751 AU
direct	-1171 Dec 19 j 21:15	0° ∇ 36'10		direct	-1162 Jan 22 j 08:34	4° ∇ 27'26	
conjunction	-1170 Apr 06 j 00:22	4° ∇ 35'56	0°-36'-9	conjunction	-1162 May 11 j 14:29	8° ∇ 38'47	0°-14'-58
minimum elong	-1170 Apr 06 j 00:22	4° ∇ 35'56	0°36'09	minimum elong	-1162 May 11 j 14:29	8° ∇ 38'47	0°14'59
max. Earth dist.	-1170 Apr 06 j 05:03	4° ∇ 36'36	20.67003 AU	behind sun begin	-1162 May 11 j 12:22	8° ∇ 38'29	
retrograde	-1170 Jul 26 j 06:02	8° ∇ 43'42		behind sun end	-1162 May 11 j 16:36	8° ∇ 39'06	
opposition	-1170 Oct 10 j 15:28	6° ∇ 42'50	0°-38'-54	max. Earth dist.	-1162 May 11 j 01:09	8° ∇ 36'50	20.13121 AU
min. Earth dist.	-1170 Oct 10 j 11:58	6° ∇ 43'12	18.64113 AU	retrograde	-1162 Aug 30 j 03:09	12° ∇ 53'24	
direct	-1170 Dec 24 j 04:05	4° ∇ 43'59		opposition	-1162 Nov 13 j 03:14	10° ∇ 51'23	0°-14'-47
				min. Earth dist.	-1162 Nov 13 j 15:06	10° ∇ 50'07	18.09471 AU
				direct	-1161 Jan 26 j 21:26	8° ∇ 49'19	
conjunction	-1169 Apr 10 j 14:03	8° ∇ 45'02	0°-34'-7	conjunction	-1161 May 16 j 10:59	13° ∇ 02'17	0°-11'-42
minimum elong	-1169 Apr 10 j 14:04	8° ∇ 45'02	0°34'08	minimum elong	-1161 May 16 j 10:59	13° ∇ 02'17	0°11'42
max. Earth dist.	-1169 Apr 10 j 17:47	8° ∇ 45'34	20.61160 AU	behind sun begin	-1161 May 16 j 06:17	13° ∇ 01'36	
retrograde	-1169 Jul 30 j 19:23	12° ∇ 53'37		behind sun end	-1161 May 16 j 15:41	13° ∇ 02'58	
opposition	-1169 Oct 14 j 23:49	10° ∇ 52'40	0°-36'-33	max. Earth dist.	-1161 May 15 j 20:36	13° ∇ 00'09	20.05874 AU
min. Earth dist.	-1169 Oct 14 j 21:37	10° ∇ 52'54	18.58121 AU		-1161 Jun 19 j 14:08	15° ∇	
direct	-1169 Dec 28 j 13:21	8° ∇ 53'31		retrograde	-1161 Sep 03 j 22:07	17° ∇ 17'46	
				opposition	-1161 Nov 17 j 16:28	15° ∇ 15'36	0°-11'-6
				min. Earth dist.	-1161 Nov 18 j 04:50	15° ∇ 14'16	18.02275 AU
					-1161 Nov 23 j 17:46	15° ∇	
conjunction	-1168 Apr 14 j 04:31	12° ∇ 55'55	0°-31'-53	direct	-1160 Jan 31 j 13:07	13° ∇ 13'06	
minimum elong	-1168 Apr 14 j 04:31	12° ∇ 55'55	0°31'53		-1160 Apr 06 j 13:48	15° ∇	
max. Earth dist.	-1168 Apr 14 j 04:46	12° ∇ 55'57	20.55028 AU				
retrograde	-1168 Aug 03 j 07:58	17° ∇ 05'22					
opposition	-1168 Oct 18 j 08:54	15° ∇ 04'17	0°-33'-59				
min. Earth dist.	-1168 Oct 18 j 09:21	15° ∇ 04'15	18.51842 AU	conjunction	-1160 May 20 j 08:19	17° ∇ 27'41	0°-8'-21
direct	-1168 Dec 31 j 21:35	13° ∇ 04'48		minimum elong	-1160 May 20 j 08:19	17° ∇ 27'41	0°08'21
				behind sun begin	-1160 May 20 j 02:22	17° ∇ 26'49	
				behind sun end	-1160 May 20 j 14:15	17° ∇ 28'33	
conjunction	-1167 Apr 18 j 20:05	17° ∇ 08'36	0°-29'-28	max. Earth dist.	-1160 May 19 j 15:35	17° ∇ 25'12	19.98744 AU
minimum elong	-1167 Apr 18 j 20:05	17° ∇ 08'36	0°29'29	retrograde	-1160 Sep 07 j 15:04	21° ∇ 44'02	
max. Earth dist.	-1167 Apr 18 j 19:03	17° ∇ 08'27	20.48594 AU	opposition	-1160 Nov 21 j 06:32	19° ∇ 41'46	0°-7'-19
retrograde	-1167 Aug 07 j 22:35	21° ∇ 18'54		min. Earth dist.	-1160 Nov 21 j 21:16	19° ∇ 40'10	17.95243 AU
opposition	-1167 Oct 22 j 18:29	19° ∇ 17'42	0°-31'-13	direct	-1159 Feb 04 j 03:15	17° ∇ 38'50	
min. Earth dist.	-1167 Oct 22 j 20:15	19° ∇ 17'31	18.45245 AU				
direct	-1166 Jan 05 j 08:25	17° ∇ 17'51		conjunction	-1159 May 25 j 06:35	21° ∇ 55'04	0°-4'-55

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Attention, astronomical year style is used: The year -1159 in astronomical counting style is the year 1160 BCE in historical counting style.

minimum elong	-1159 May 25 j 06:35	21°♄55'04	0°04'56	opposition	-1153 Dec 23 j 08:20	21°♁41'42	0°19'54
behind sun begin	-1159 May 24 j 23:59	21°♄54'06		min. Earth dist.	-1153 Dec 24 j 06:54	21°♁39'14	17.52704 AU
behind sun end	-1159 May 25 j 13:11	21°♄56'02		direct	-1152 Mar 07 j 18:39	19°♁36'30	
max. Earth dist.	-1159 May 24 j 12:40	21°♄52'23	19.91813 AU				
retrograde	-1159 Sep 12 j 11:41	26°♄12'17		conjunction	-1152 Jun 27 j 16:08	24°♁03'27	0°19'34
opposition	-1159 Nov 25 j 21:19	24°♄09'55	0°-3'-28	minimum elong	-1152 Jun 27 j 16:08	24°♁03'27	0°19'34
min. Earth dist.	-1159 Nov 26 j 12:22	24°♄08'17	17.88418 AU	max. Earth dist.	-1152 Jun 26 j 12:39	23°♁59'13	19.50117 AU
direct	-1158 Feb 08 j 20:15	22°♄06'37		retrograde	-1152 Oct 14 j 16:26	28°♁25'43	
max. Earth dist.	-1158 May 29 j 09:53	26°♄21'31	19.85098 AU	opposition	-1152 Dec 27 j 05:02	26°♁23'13	0°23'35
				min. Earth dist.	-1152 Dec 28 j 05:07	26°♁20'35	17.47667 AU
conjunction	-1158 May 30 j 05:41	26°♄24'30	0°-1'-24	direct	-1151 Mar 12 j 17:57	24°♁17'42	
minimum elong	-1158 May 30 j 05:40	26°♄24'30	0°01'24				
behind sun begin	-1158 May 29 j 22:52	26°♄23'30		conjunction	-1151 Jul 02 j 19:52	28°♁45'53	0°22'49
behind sun end	-1158 May 30 j 12:28	26°♄25'30		minimum elong	-1151 Jul 02 j 19:52	28°♁45'53	0°22'50
	-1158 Aug 08 j 00:21	0°♁		max. Earth dist.	-1151 Jul 01 j 14:23	28°♁41'19	19.45254 AU
retrograde	-1158 Sep 17 j 06:19	0°♁42'33			-1151 Jul 22 j 23:26	0°♁	
asc. node	-1158 Oct 21 j 20:20	0°♁11'27		retrograde	-1151 Oct 19 j 15:54	3°♁08'37	
	-1158 Oct 28 j 01:18	30°♁		opposition	-1150 Jan 01 j 02:28	1°♁06'04	0°27'08
opposition	-1158 Nov 30 j 13:01	28°♄40'09	0°00'25	min. Earth dist.	-1150 Jan 02 j 02:51	1°♁03'24	17.42994 AU
min. Earth dist.	-1158 Dec 01 j 06:19	28°♄38'17	17.81838 AU		-1150 Jan 27 j 14:11	30°♁	
direct	-1157 Feb 13 j 12:19	26°♄36'30		direct	-1150 Mar 17 j 18:56	29°♁00'15	
	-1157 May 19 j 16:50	0°♁			-1150 May 04 j 22:13	0°♁	
max. Earth dist.	-1157 Jun 03 j 08:24	0°♁52'50	19.78653 AU				
				conjunction	-1150 Jul 07 j 23:58	3°♁29'33	0°25'55
conjunction	-1157 Jun 04 j 05:34	0°♁56'01	0°02'13	minimum elong	-1150 Jul 07 j 23:58	3°♁29'33	0°25'56
minimum elong	-1157 Jun 04 j 05:33	0°♁56'01	0°02'13	max. Earth dist.	-1150 Jul 06 j 19:02	3°♁25'03	19.40770 AU
behind sun begin	-1157 Jun 03 j 22:46	0°♁55'01		retrograde	-1150 Oct 24 j 15:15	7°♁52'41	
behind sun end	-1157 Jun 04 j 12:20	0°♁57'01		opposition	-1149 Jan 06 j 00:41	5°♁50'06	0°30'31
retrograde	-1157 Sep 22 j 03:58	5°♁14'55		min. Earth dist.	-1149 Jan 07 j 01:50	5°♁47'21	17.38729 AU
opposition	-1157 Dec 05 j 05:28	3°♁12'30	0°04'21	direct	-1149 Mar 22 j 19:47	3°♁44'00	
min. Earth dist.	-1157 Dec 05 j 23:02	3°♁10'35	17.75524 AU	max. Earth dist.	-1149 Jul 11 j 21:43	8°♁09'32	19.36744 AU
direct	-1156 Feb 18 j 06:55	1°♁08'32					
max. Earth dist.	-1156 Jun 07 j 07:45	5°♁26'16	19.72456 AU	conjunction	-1149 Jul 13 j 04:07	8°♁14'17	0°28'51
				minimum elong	-1149 Jul 13 j 04:07	8°♁14'17	0°28'52
conjunction	-1156 Jun 08 j 06:12	5°♁29'40	0°05'46	retrograde	-1149 Oct 29 j 15:20	12°♁37'45	
minimum elong	-1156 Jun 08 j 06:12	5°♁29'40	0°05'47	opposition	-1148 Jan 10 j 23:25	10°♁35'07	0°33'41
behind sun begin	-1156 Jun 07 j 23:42	5°♁28'43		min. Earth dist.	-1148 Jan 12 j 00:42	10°♁32'21	17.34966 AU
behind sun end	-1156 Jun 08 j 12:41	5°♁30'38		direct	-1148 Mar 26 j 21:36	8°♁28'45	
retrograde	-1156 Sep 25 j 23:56	9°♁49'21		max. Earth dist.	-1148 Jul 16 j 03:16	12°♁55'21	19.33238 AU
opposition	-1156 Dec 08 j 22:57	7°♁46'56	0°08'18				
min. Earth dist.	-1156 Dec 09 j 18:47	7°♁44'46	17.69456 AU	conjunction	-1148 Jul 17 j 08:31	12°♁59'56	0°31'35
direct	-1155 Feb 22 j 01:14	5°♁42'40		minimum elong	-1148 Jul 17 j 08:31	12°♁59'56	0°31'37
max. Earth dist.	-1155 Jun 12 j 07:25	10°♁01'40	19.66509 AU	retrograde	-1148 Nov 02 j 15:42	17°♁23'39	
				opposition	-1147 Jan 14 j 22:52	15°♁21'01	0°36'38
conjunction	-1155 Jun 13 j 07:45	10°♁05'23	0°09'17	min. Earth dist.	-1147 Jan 16 j 00:07	15°♁18'15	17.31736 AU
minimum elong	-1155 Jun 13 j 07:44	10°♁05'23	0°09'18	direct	-1147 Mar 31 j 23:44	13°♁14'26	
behind sun begin	-1155 Jun 13 j 02:05	10°♁04'32		max. Earth dist.	-1147 Jul 21 j 06:47	17°♁41'38	19.30301 AU
behind sun end	-1155 Jun 13 j 13:24	10°♁06'13					
retrograde	-1155 Sep 30 j 22:19	14°♁25'48		conjunction	-1147 Jul 22 j 12:52	17°♁46'21	0°34'07
opposition	-1155 Dec 13 j 17:05	12°♁23'23	0°12'14	minimum elong	-1147 Jul 22 j 12:52	17°♁46'21	0°34'08
min. Earth dist.	-1155 Dec 14 j 13:22	12°♁21'10	17.63630 AU	retrograde	-1147 Nov 07 j 16:12	22°♁10'16	
direct	-1154 Feb 26 j 22:17	10°♁18'48		opposition	-1146 Jan 19 j 22:52	20°♁07'38	0°39'21
max. Earth dist.	-1154 Jun 17 j 08:52	14°♁39'10	19.60784 AU	min. Earth dist.	-1146 Jan 21 j 00:07	20°♁04'52	17.29121 AU
				direct	-1146 Apr 06 j 02:02	18°♁00'53	
conjunction	-1154 Jun 18 j 10:05	14°♁43'02	0°12'47				
minimum elong	-1154 Jun 18 j 10:05	14°♁43'02	0°12'47	conjunction	-1146 Jul 27 j 17:18	22°♁33'27	0°36'25
behind sun begin	-1154 Jun 18 j 05:59	14°♁42'25		minimum elong	-1146 Jul 27 j 17:18	22°♁33'27	0°36'26
behind sun end	-1154 Jun 18 j 14:11	14°♁43'39		max. Earth dist.	-1146 Jul 26 j 12:44	22°♁28'57	19.28005 AU
retrograde	-1154 Oct 05 j 19:26	19°♁04'08		retrograde	-1146 Nov 12 j 17:28	26°♁57'29	
opposition	-1154 Dec 18 j 12:23	17°♁01'42	0°16'06	opposition	-1145 Jan 24 j 23:30	24°♁54'54	0°41'47
min. Earth dist.	-1154 Dec 19 j 10:38	16°♁59'16	17.58033 AU	min. Earth dist.	-1145 Jan 25 j 23:47	24°♁52'15	17.27151 AU
direct	-1153 Mar 03 j 19:23	14°♁56'49		direct	-1145 Apr 11 j 05:10	22°♁48'04	
max. Earth dist.	-1153 Jun 22 j 09:27	19°♁18'15	19.55315 AU				
				conjunction	-1145 Aug 01 j 21:24	27°♁21'07	0°38'28
conjunction	-1153 Jun 23 j 12:42	19°♁22'26	0°16'13	minimum elong	-1145 Aug 01 j 21:24	27°♁21'07	0°38'29
minimum elong	-1153 Jun 23 j 12:41	19°♁22'26	0°16'14	max. Earth dist.	-1145 Jul 31 j 16:51	27°♁16'37	19.26371 AU
retrograde	-1153 Oct 10 j 18:08	23°♁44'11			-1145 Sep 15 j 16:05	0°♁	

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

retrograde	-1145 Nov 17 j 18:06	1°♈45'15		direct	-1137 May 20 j 17:30	1°♏14'49	
	-1144 Jan 23 j 10:04	30°♌☾					
opposition	-1144 Jan 30 j 00:38	29°♌42'44	0°43'56	conjunction	-1137 Sep 09 j 20:39	5°♏46'23	0°44'30
min. Earth dist.	-1144 Jan 31 j 00:52	29°♌40'05	17.25862 AU	minimum elong	-1137 Sep 09 j 20:39	5°♏46'23	0°44'30
direct	-1144 Apr 15 j 07:26	27°♌35'53		max. Earth dist.	-1137 Sep 09 j 02:49	5°♏43'34	19.34471 AU
	-1144 Jul 01 j 13:35	0°♈		retrograde	-1137 Dec 25 j 22:00	10°♏08'20	
max. Earth dist.	-1144 Aug 04 j 22:29	2°♈05'01	19.25417 AU	opposition	-1136 Mar 08 j 21:11	8°♏06'47	0°49'19
				min. Earth dist.	-1136 Mar 09 j 13:20	8°♏05'03	17.36052 AU
conjunction	-1144 Aug 06 j 01:36	2°♈09'18	0°40'16	direct	-1136 May 24 j 21:12	6°♏00'59	
minimum elong	-1144 Aug 06 j 01:36	2°♈09'18	0°40'16				
retrograde	-1144 Nov 21 j 19:52	6°♈33'26		conjunction	-1136 Sep 13 j 20:48	10°♏31'39	0°43'52
opposition	-1143 Feb 03 j 02:01	4°♈31'03	0°45'47	minimum elong	-1136 Sep 13 j 20:48	10°♏31'39	0°43'53
min. Earth dist.	-1143 Feb 04 j 00:53	4°♈28'33	17.25221 AU	max. Earth dist.	-1136 Sep 13 j 03:42	10°♏28'57	19.37698 AU
direct	-1143 Apr 20 j 11:58	2°♈24'15		retrograde	-1136 Dec 29 j 21:48	14°♏52'59	
max. Earth dist.	-1143 Aug 10 j 03:11	6°♈53'43	19.25093 AU	opposition	-1135 Mar 13 j 23:49	12°♏51'28	0°48'26
				min. Earth dist.	-1135 Mar 14 j 13:36	12°♏49'59	17.39508 AU
conjunction	-1143 Aug 11 j 05:36	6°♈57'54	0°41'47	direct	-1135 May 30 j 01:24	10°♏45'51	
minimum elong	-1143 Aug 11 j 05:36	6°♈57'54	0°41'48				
retrograde	-1143 Nov 26 j 20:02	11°♈21'58		conjunction	-1135 Sep 18 j 20:15	15°♏15'30	0°42'56
opposition	-1142 Feb 08 j 04:07	9°♈19'44	0°47'19	minimum elong	-1135 Sep 18 j 20:15	15°♏15'30	0°42'57
min. Earth dist.	-1142 Feb 09 j 03:06	9°♈17'14	17.25210 AU	max. Earth dist.	-1135 Sep 18 j 06:20	15°♏13'18	19.41396 AU
direct	-1142 Apr 25 j 15:04	7°♈13'01		retrograde	-1134 Jan 03 j 20:22	19°♏36'07	
max. Earth dist.	-1142 Aug 15 j 07:55	11°♈42'44	19.25379 AU	opposition	-1134 Mar 19 j 02:27	17°♏34'40	0°47'14
				min. Earth dist.	-1134 Mar 19 j 14:54	17°♏33'20	17.43441 AU
conjunction	-1142 Aug 16 j 09:11	11°♈46'44	0°43'00	direct	-1134 Jun 04 j 05:08	15°♏29'17	
minimum elong	-1142 Aug 16 j 09:11	11°♈46'44	0°43'01				
	-1142 Oct 11 j 23:47	15°♈		conjunction	-1134 Sep 23 j 18:27	19°♏57'45	0°41'44
retrograde	-1142 Dec 01 j 21:41	16°♈10'40		minimum elong	-1134 Sep 23 j 18:27	19°♏57'45	0°41'43
	-1141 Jan 23 j 21:50	15°♌♈		max. Earth dist.	-1134 Sep 23 j 05:44	19°♏55'44	19.45587 AU
opposition	-1141 Feb 13 j 06:29	14°♈08'34	0°48'31	retrograde	-1133 Jan 08 j 18:31	24°♏17'39	
min. Earth dist.	-1141 Feb 14 j 03:40	14°♈06'16	17.25770 AU	opposition	-1133 Mar 24 j 04:38	22°♏16'14	0°45'43
direct	-1141 Apr 30 j 21:05	12°♈02'00		min. Earth dist.	-1133 Mar 24 j 14:33	22°♏15'10	17.47888 AU
	-1141 Jul 26 j 20:46	15°♈		direct	-1133 Jun 09 j 08:03	20°♏11'06	
conjunction	-1141 Aug 21 j 12:34	16°♈35'36	0°43'56	conjunction	-1133 Sep 28 j 16:02	24°♏38'19	0°40'14
minimum elong	-1141 Aug 21 j 12:34	16°♈35'36	0°43'57	minimum elong	-1133 Sep 28 j 16:02	24°♏38'19	0°40'15
max. Earth dist.	-1141 Aug 20 j 12:42	16°♈31'50	19.26209 AU	max. Earth dist.	-1133 Sep 28 j 06:45	24°♏36'52	19.50290 AU
retrograde	-1141 Dec 06 j 21:16	20°♈59'19		retrograde	-1132 Jan 13 j 16:05	28°♏57'25	
opposition	-1140 Feb 18 j 09:10	18°♈57'21	0°49'23	opposition	-1132 Mar 28 j 06:18	26°♏56'06	0°43'54
min. Earth dist.	-1140 Feb 19 j 06:29	18°♈55'03	17.26870 AU	min. Earth dist.	-1132 Mar 28 j 14:15	26°♏55'15	17.52834 AU
direct	-1140 May 05 j 01:04	16°♈50'55		direct	-1132 Jun 13 j 11:30	24°♏51'17	
conjunction	-1140 Aug 25 j 15:29	21°♈24'16	0°44'33	conjunction	-1132 Oct 02 j 12:36	29°♏17'10	0°38'30
minimum elong	-1140 Aug 25 j 15:29	21°♈24'16	0°44'33	minimum elong	-1132 Oct 02 j 12:36	29°♏17'10	0°38'29
max. Earth dist.	-1140 Aug 24 j 16:18	21°♈20'35	19.27567 AU	max. Earth dist.	-1132 Oct 02 j 04:43	29°♏15'56	19.55495 AU
retrograde	-1140 Dec 10 j 22:41	25°♈47'39			-1132 Oct 13 j 22:19	0°♌	
opposition	-1139 Feb 22 j 12:02	23°♈45'49	0°49'54	retrograde	-1131 Jan 17 j 12:30	3°♌35'29	
min. Earth dist.	-1139 Feb 23 j 07:17	23°♈43'44	17.28465 AU	opposition	-1131 Apr 02 j 07:41	1°♌34'17	0°41'49
direct	-1139 May 10 j 07:49	21°♈39'31		min. Earth dist.	-1131 Apr 02 j 13:17	1°♌33'41	17.58287 AU
					-1131 May 14 j 14:30	30°♌♏	
conjunction	-1139 Aug 30 j 17:55	26°♈12'27	0°44'51	direct	-1131 Jun 18 j 12:55	29°♏29'50	
minimum elong	-1139 Aug 30 j 17:55	26°♈12'27	0°44'51		-1131 Jul 22 j 17:06	0°♌	
max. Earth dist.	-1139 Aug 29 j 20:47	26°♈09'06	19.29397 AU				
	-1139 Nov 10 j 08:00	0°♏		conjunction	-1131 Oct 07 j 08:16	3°♌54'19	0°36'31
retrograde	-1139 Dec 15 j 21:50	0°♏35'26		minimum elong	-1131 Oct 07 j 08:16	3°♌54'19	0°36'32
	-1138 Jan 21 j 13:46	30°♌♏		max. Earth dist.	-1131 Oct 07 j 03:47	3°♌53'38	19.61185 AU
opposition	-1138 Feb 27 j 15:11	28°♈33'43	0°50'03	retrograde	-1130 Jan 22 j 09:21	8°♌11'50	
min. Earth dist.	-1138 Feb 28 j 10:15	28°♈31'40	17.30530 AU	opposition	-1130 Apr 07 j 08:39	6°♌10'47	0°39'29
direct	-1138 May 15 j 11:54	26°♈27'35		min. Earth dist.	-1130 Apr 07 j 11:46	6°♌10'27	17.64178 AU
	-1138 Aug 19 j 22:54	0°♏		direct	-1130 Jun 23 j 15:27	4°♌06'45	
conjunction	-1138 Sep 04 j 19:37	0°♏59'54	0°44'50	conjunction	-1130 Oct 12 j 02:59	8°♌29'47	0°34'20
minimum elong	-1138 Sep 04 j 19:37	0°♏59'54	0°44'51	minimum elong	-1130 Oct 12 j 02:59	8°♌29'47	0°34'20
max. Earth dist.	-1138 Sep 03 j 23:07	0°♏56'39	19.31706 AU	max. Earth dist.	-1130 Oct 12 j 00:09	8°♌29'21	19.67287 AU
retrograde	-1138 Dec 20 j 22:55	5°♏22'25		retrograde	-1129 Jan 27 j 04:29	12°♌46'29	
opposition	-1137 Mar 04 j 18:11	3°♏20'47	0°49'52	opposition	-1129 Apr 12 j 09:01	10°♌45'36	0°36'54
min. Earth dist.	-1137 Mar 05 j 10:56	3°♏18'59	17.33066 AU	min. Earth dist.	-1129 Apr 12 j 10:16	10°♌45'28	17.70470 AU

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Attention, astronomical year style is used: The year -1129 in astronomical counting style is the year 1130 BCE in historical counting style.

direct	-1129 Jun 28 j 14:54	8°♄42'00		max. Earth dist.	-1122 Nov 16 j 14:59	14°♁10'02	20.22167 AU
					-1122 Nov 30 j 10:22	15°♁	
conjunction	-1129 Oct 16 j 20:53	13°♄03'33	0°31'56	retrograde	-1121 Mar 03 j 19:14	18°♁17'44	
minimum elong	-1129 Oct 16 j 20:54	13°♄03'33	0°31'55	opposition	-1121 May 19 j 13:21	16°♁17'53	0°10'25
max. Earth dist.	-1129 Oct 16 j 20:59	13°♄03'34	19.73742 AU	min. Earth dist.	-1121 May 19 j 00:04	16°♁19'14	18.25576 AU
retrograde	-1128 Feb 01 j 00:15	17°♄19'24			-1121 Jun 23 j 04:41	15°♁	
opposition	-1128 Apr 16 j 08:50	15°♄18'42	0°34'06	direct	-1121 Aug 04 j 12:58	14°♁17'35	
min. Earth dist.	-1128 Apr 16 j 07:29	15°♄18'51	17.77048 AU		-1121 Sep 14 j 12:09	15°♁	
direct	-1128 Jul 02 j 16:06	13°♄15'35					
				conjunction	-1121 Nov 20 j 12:37	18°♁26'14	0°07'47
conjunction	-1128 Oct 20 j 13:50	17°♄35'35	0°29'20	minimum elong	-1121 Nov 20 j 12:37	18°♁26'14	0°07'47
minimum elong	-1128 Oct 20 j 13:50	17°♄35'35	0°29'20	behind sun begin	-1121 Nov 20 j 06:42	18°♁25'21	
max. Earth dist.	-1128 Oct 20 j 15:37	17°♄35'52	19.80441 AU	behind sun end	-1121 Nov 20 j 18:31	18°♁27'06	
retrograde	-1127 Feb 04 j 18:01	21°♄50'36		max. Earth dist.	-1121 Nov 21 j 03:17	18°♁28'26	20.29001 AU
opposition	-1127 Apr 21 j 08:12	19°♄50'05	0°31'07	retrograde	-1120 Mar 07 j 10:47	22°♁35'02	
min. Earth dist.	-1127 Apr 21 j 05:26	19°♄50'22	17.83854 AU	opposition	-1120 May 23 j 07:17	20°♁35'14	0°06'44
direct	-1127 Jul 07 j 13:58	17°♄47'24		min. Earth dist.	-1120 May 22 j 15:11	20°♁36'52	18.32385 AU
				direct	-1120 Aug 08 j 06:58	18°♁35'15	
conjunction	-1127 Oct 25 j 06:02	22°♄05'51	0°26'35				
minimum elong	-1127 Oct 25 j 06:02	22°♄05'51	0°26'34	conjunction	-1120 Nov 23 j 22:36	22°♁42'20	0°04'30
max. Earth dist.	-1127 Oct 25 j 10:14	22°♄06'29	19.87332 AU	minimum elong	-1120 Nov 23 j 22:37	22°♁42'20	0°04'28
retrograde	-1126 Feb 09 j 12:43	26°♄19'59		behind sun begin	-1120 Nov 23 j 16:12	22°♁41'23	
opposition	-1126 Apr 26 j 06:54	24°♄19'39	0°27'57	behind sun end	-1120 Nov 24 j 05:02	22°♁43'16	
min. Earth dist.	-1126 Apr 26 j 01:23	24°♄20'13	17.90798 AU	max. Earth dist.	-1120 Nov 24 j 15:36	22°♁44'53	20.35782 AU
direct	-1126 Jul 12 j 13:18	22°♄17'25		retrograde	-1119 Mar 11 j 22:31	26°♁50'18	
				min. Earth dist.	-1119 May 27 j 07:43	24°♁52'16	18.39161 AU
conjunction	-1126 Oct 29 j 21:14	26°♄34'15	0°23'41	opposition	-1119 May 28 j 00:35	24°♁50'33	0°03'04
minimum elong	-1126 Oct 29 j 21:14	26°♄34'15	0°23'41	direct	-1119 Aug 12 j 21:28	22°♁50'56	
max. Earth dist.	-1126 Oct 30 j 03:12	26°♄35'10	19.94317 AU				
retrograde	-1125 Jan 02 j 14:44	0°♁		conjunction	-1119 Nov 28 j 07:56	26°♁56'28	0°01'09
	-1125 Feb 14 j 05:06	0°♁47'32		minimum elong	-1119 Nov 28 j 07:55	26°♁56'28	0°01'09
	-1125 Mar 30 j 16:14	30°♁		behind sun begin	-1119 Nov 28 j 01:24	26°♁55'31	
opposition	-1125 May 01 j 05:01	28°♄47'20	0°24'38	behind sun end	-1119 Nov 28 j 14:27	26°♁57'25	
min. Earth dist.	-1125 Apr 30 j 22:31	28°♄48'00	17.97817 AU	max. Earth dist.	-1119 Nov 29 j 02:12	26°♁59'12	20.42546 AU
direct	-1125 Jul 17 j 09:25	26°♄45'33			-1118 Jan 24 j 18:45	0°♁	
	-1125 Oct 17 j 20:29	0°♁		retrograde	-1118 Mar 16 j 12:32	1°♁03'38	
				desc. node	-1118 Apr 01 j 23:17	0°♁56'53	
conjunction	-1125 Nov 03 j 11:44	1°♁00'45	0°20'39		-1118 May 08 j 16:04	30°♁	
minimum elong	-1125 Nov 03 j 11:44	1°♁00'45	0°20'38	opposition	-1118 Jun 01 j 16:52	29°♁03'58	0°00'-35
max. Earth dist.	-1125 Nov 03 j 19:32	1°♁01'56	20.01344 AU	min. Earth dist.	-1118 May 31 j 21:16	29°♁05'57	18.45907 AU
retrograde	-1124 Feb 18 j 22:33	5°♁13'08		direct	-1118 Aug 17 j 13:48	27°♁04'41	
opposition	-1124 May 05 j 02:07	3°♁13'04	0°21'12		-1118 Nov 13 j 06:01	0°♁	
min. Earth dist.	-1124 May 04 j 16:56	3°♁14'01	18.04829 AU				
direct	-1124 Jul 21 j 06:48	1°♁11'41		conjunction	-1118 Dec 02 j 16:35	1°♁08'46	0°-2'-13
				minimum elong	-1118 Dec 02 j 16:35	1°♁08'46	0°02'16
conjunction	-1124 Nov 07 j 01:20	5°♁25'15	0°17'32	behind sun begin	-1118 Dec 02 j 10:03	1°♁07'49	
minimum elong	-1124 Nov 07 j 01:20	5°♁25'15	0°17'31	behind sun end	-1118 Dec 02 j 23:07	1°♁09'43	
max. Earth dist.	-1124 Nov 07 j 10:56	5°♁26'43	20.08338 AU	max. Earth dist.	-1118 Dec 03 j 13:08	1°♁11'50	20.49251 AU
retrograde	-1123 Feb 22 j 13:30	9°♁36'45		retrograde	-1117 Mar 20 j 23:38	5°♁15'11	
opposition	-1123 May 09 j 22:49	7°♁36'47	0°17'40	opposition	-1117 Jun 06 j 08:30	3°♁15'36	0°-4'-13
min. Earth dist.	-1123 May 09 j 12:54	7°♁37'48	18.11806 AU	min. Earth dist.	-1117 Jun 05 j 12:21	3°♁17'38	18.52575 AU
direct	-1123 Jul 26 j 00:57	5°♁35'47		direct	-1117 Aug 22 j 02:31	1°♁16'42	
conjunction	-1123 Nov 11 j 13:56	9°♁47'42	0°14'20	conjunction	-1117 Dec 07 j 00:35	5°♁19'23	0°-5'-29
minimum elong	-1123 Nov 11 j 13:56	9°♁47'42	0°14'19	minimum elong	-1117 Dec 07 j 00:34	5°♁19'23	0°05'31
behind sun begin	-1123 Nov 11 j 10:43	9°♁47'14		behind sun begin	-1117 Dec 06 j 18:17	5°♁18'28	
behind sun end	-1123 Nov 11 j 17:09	9°♁48'11		behind sun end	-1117 Dec 07 j 06:52	5°♁20'18	
max. Earth dist.	-1123 Nov 12 j 01:08	9°♁49'24	20.15290 AU	max. Earth dist.	-1117 Dec 07 j 22:01	5°♁22'34	20.55867 AU
retrograde	-1122 Feb 27 j 06:11	13°♁58'18		retrograde	-1116 Mar 24 j 12:10	9°♁25'06	
opposition	-1122 May 14 j 18:31	11°♁58'24	0°14'04	opposition	-1116 Jun 09 j 23:12	7°♁25'38	0°-7'-48
min. Earth dist.	-1122 May 14 j 05:50	11°♁59'42	18.18719 AU	min. Earth dist.	-1116 Jun 09 j 00:42	7°♁27'54	18.59124 AU
direct	-1122 Jul 30 j 20:41	9°♁57'45		direct	-1116 Aug 25 j 16:44	5°♁27'06	
conjunction	-1122 Nov 16 j 01:44	14°♁08'02	0°11'04	conjunction	-1116 Dec 10 j 08:08	9°♁28'28	0°-8'-41
minimum elong	-1122 Nov 16 j 01:44	14°♁08'02	0°11'04	minimum elong	-1116 Dec 10 j 08:07	9°♁28'28	0°08'42
behind sun begin	-1122 Nov 15 j 20:46	14°♁07'18		behind sun begin	-1116 Dec 10 j 02:26	9°♁27'39	
behind sun end	-1122 Nov 16 j 06:42	14°♁08'46		behind sun end	-1116 Dec 10 j 13:49	9°♁29'18	

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Attention, astronomical year style is used: The year -1116 in astronomical counting style is the year 1117 BCE in historical counting style.

max. Earth dist.	-1116 Dec 11 j 07:40	9°♃31'57	20.62325 AU	conjunction	-1107 Jan 11 j 07:02	11°♃56'22	0°-31'-1
retrograde	-1115 Mar 28 j 22:34	13°♃33'31		minimum elong	-1107 Jan 11 j 07:02	11°♃56'22	0°31'03
opposition	-1115 Jun 14 j 13:28	11°♃34'10	0°-11'-19	max. Earth dist.	-1107 Jan 12 j 11:00	12°♃00'24	21.01371 AU
min. Earth dist.	-1115 Jun 13 j 14:39	11°♃36'28	18.65489 AU	retrograde	-1107 May 01 j 00:54	15°♃57'41	
direct	-1115 Aug 30 j 04:13	9°♃36'01		min. Earth dist.	-1107 Jul 17 j 05:07	14°♃01'18	19.02902 AU
conjunction	-1115 Dec 14 j 15:02	13°♃36'07	0°-11'-49	opposition	-1107 Jul 18 j 07:16	13°♃58'42	0°-35'-31
minimum elong	-1115 Dec 14 j 15:02	13°♃36'07	0°11'51	direct	-1107 Oct 02 j 05:31	12°♃02'21	
behind sun begin	-1115 Dec 14 j 10:25	13°♃35'28		conjunction	-1106 Jan 15 j 11:36	15°♃55'05	0°-33'-12
behind sun end	-1115 Dec 14 j 19:40	13°♃36'47		minimum elong	-1106 Jan 15 j 11:36	15°♃55'05	0°33'14
max. Earth dist.	-1115 Dec 15 j 15:04	13°♃39'40	20.68580 AU	max. Earth dist.	-1106 Jan 16 j 14:55	15°♃59'01	21.04256 AU
retrograde	-1114 Apr 02 j 10:11	17°♃40'34		retrograde	-1106 May 05 j 09:53	19°♃56'09	
min. Earth dist.	-1114 Jun 18 j 02:15	15°♃43'49	18.71616 AU	opposition	-1106 Jul 22 j 15:45	17°♃57'07	0°-37'-50
opposition	-1114 Jun 19 j 02:54	15°♃41'21	0°-14'-46	min. Earth dist.	-1106 Jul 21 j 13:10	17°♃59'46	19.05597 AU
direct	-1114 Sep 03 j 16:10	13°♃43'32		direct	-1106 Oct 06 j 11:38	16°♃00'51	
conjunction	-1114 Dec 18 j 21:46	17°♃42'28	0°-14'-53	conjunction	-1105 Jan 19 j 16:16	19°♃53'04	0°-35'-13
minimum elong	-1114 Dec 18 j 21:46	17°♃42'28	0°14'55	minimum elong	-1105 Jan 19 j 16:16	19°♃53'04	0°35'15
behind sun begin	-1114 Dec 18 j 19:04	17°♃42'05		max. Earth dist.	-1105 Jan 20 j 20:35	19°♃57'08	21.06747 AU
behind sun end	-1114 Dec 19 j 00:28	17°♃42'51		retrograde	-1105 May 09 j 16:01	23°♃53'55	
max. Earth dist.	-1114 Dec 19 j 23:30	17°♃46'15	20.74543 AU	opposition	-1105 Jul 26 j 23:37	21°♃54'52	0°-39'-58
retrograde	-1113 Apr 06 j 19:43	21°♃46'20		min. Earth dist.	-1105 Jul 25 j 21:29	21°♃57'28	19.07902 AU
opposition	-1113 Jun 23 j 15:36	19°♃47'14	0°-18'-8	direct	-1105 Oct 10 j 17:30	19°♃58'41	
min. Earth dist.	-1113 Jun 22 j 15:04	19°♃49'41	18.77418 AU	conjunction	-1104 Jan 23 j 20:42	23°♃50'28	0°-37'-4
direct	-1113 Sep 08 j 02:24	17°♃49'45		minimum elong	-1104 Jan 23 j 20:42	23°♃50'28	0°37'05
conjunction	-1113 Dec 23 j 04:03	21°♃47'35	0°-17'-52	max. Earth dist.	-1104 Jan 25 j 00:09	23°♃54'23	21.08875 AU
minimum elong	-1113 Dec 23 j 04:03	21°♃47'35	0°17'55	retrograde	-1104 May 13 j 00:27	27°♃51'12	
max. Earth dist.	-1113 Dec 24 j 05:40	21°♃51'20	20.80163 AU	min. Earth dist.	-1104 Jul 29 j 04:50	25°♃54'46	19.09850 AU
retrograde	-1112 Apr 10 j 06:26	25°♃50'56		opposition	-1104 Jul 30 j 07:14	25°♃52'07	0°-41'-54
min. Earth dist.	-1112 Jun 26 j 01:54	23°♃54'30	18.82843 AU	direct	-1104 Oct 13 j 22:08	23°♃56'01	
opposition	-1112 Jun 27 j 03:45	23°♃51'55	0°-21'-23	conjunction	-1103 Jan 27 j 01:11	27°♃47'28	0°-38'-44
direct	-1112 Sep 11 j 12:34	21°♃54'44		minimum elong	-1103 Jan 27 j 01:11	27°♃47'28	0°38'46
conjunction	-1112 Dec 26 j 09:59	25°♃51'32	0°-20'-45	max. Earth dist.	-1103 Jan 28 j 05:30	27°♃51'30	21.10624 AU
minimum elong	-1112 Dec 26 j 09:58	25°♃51'32	0°20'47	-1103 Mar 08 j 22:51	0°≈		
max. Earth dist.	-1112 Dec 27 j 12:56	25°♃55'28	20.85359 AU	retrograde	-1103 May 17 j 07:12	1°≈48'09	
retrograde	-1111 Apr 14 j 15:14	29°♃54'24		-1103 Jul 30 j 01:00	30°R♃		
opposition	-1111 Jul 01 j 15:25	27°♃55'27	0°-24'-30	opposition	-1103 Aug 03 j 14:32	29°♃49'04	0°-43'-38
min. Earth dist.	-1111 Jun 30 j 13:50	27°♃58'00	18.87816 AU	min. Earth dist.	-1103 Aug 02 j 12:39	29°♃51'39	19.11405 AU
direct	-1111 Sep 15 j 21:54	25°♃58'32		direct	-1103 Oct 18 j 03:23	27°♃53'03	
conjunction	-1111 Dec 30 j 15:40	29°♃54'22	0°-23'-32	-1103 Dec 30 j 18:00	0°≈		
minimum elong	-1111 Dec 30 j 15:40	29°♃54'22	0°23'33	conjunction	-1102 Jan 31 j 05:49	1°≈44'15	0°-40'-13
max. Earth dist.	-1111 Dec 31 j 18:06	29°♃58'13	20.90097 AU	minimum elong	-1102 Jan 31 j 05:49	1°≈44'15	0°40'14
retrograde	-1110 Jan 01 j 06:24	0°♃		max. Earth dist.	-1102 Feb 01 j 08:55	1°≈48'07	21.11989 AU
min. Earth dist.	-1110 Apr 19 j 01:23	3°♃56'47		retrograde	-1102 May 21 j 15:37	5°≈44'56	
opposition	-1110 Jul 04 j 23:51	2°♃00'30	18.92314 AU	opposition	-1102 Aug 07 j 21:22	3°≈45'52	0°-45'-10
direct	-1110 Jul 06 j 02:15	1°♃57'52	0°-27'-30	min. Earth dist.	-1102 Aug 06 j 19:43	3°≈48'25	19.12566 AU
conjunction	-1109 Jan 03 j 21:09	3°♃56'06	0°-26'-10	direct	-1102 Oct 22 j 07:23	1°≈49'54	
minimum elong	-1109 Jan 03 j 21:09	3°♃56'06	0°26'12	conjunction	-1101 Feb 04 j 10:45	5°≈40'59	0°-41'-31
max. Earth dist.	-1109 Jan 05 j 00:36	4°♃00'04	20.94333 AU	minimum elong	-1101 Feb 04 j 10:45	5°≈40'59	0°41'33
retrograde	-1109 Apr 23 j 08:58	7°♃58'05		max. Earth dist.	-1101 Feb 05 j 14:17	5°≈44'54	21.12926 AU
min. Earth dist.	-1109 Jul 09 j 10:38	6°♃01'46	18.96300 AU	retrograde	-1101 May 25 j 22:41	9°≈41'43	
opposition	-1109 Jul 10 j 12:33	5°♃59'11	0°-30'-20	min. Earth dist.	-1101 Aug 11 j 03:15	7°≈45'08	19.13273 AU
direct	-1109 Sep 24 j 14:56	4°♃02'37		opposition	-1101 Aug 12 j 04:04	7°≈42'39	0°-46'-30
conjunction	-1108 Jan 08 j 02:08	7°♃56'44	0°-28'-40	direct	-1101 Oct 26 j 11:46	5°≈46'46	
minimum elong	-1108 Jan 08 j 02:08	7°♃56'44	0°28'42	conjunction	-1100 Feb 08 j 15:41	9°≈37'47	0°-42'-37
max. Earth dist.	-1108 Jan 09 j 04:57	8°♃00'37	20.98082 AU	minimum elong	-1100 Feb 08 j 15:41	9°≈37'47	0°42'39
retrograde	-1108 Apr 26 j 18:29	11°♃58'22		max. Earth dist.	-1100 Feb 09 j 17:38	9°≈41'28	21.13407 AU
opposition	-1108 Jul 13 j 22:11	9°♃59'25	0°-33'-1	retrograde	-1100 May 29 j 07:32	13°≈38'40	
min. Earth dist.	-1108 Jul 12 j 19:40	10°♃02'04	18.99820 AU	min. Earth dist.	-1100 Aug 14 j 10:28	11°≈42'01	19.13509 AU
direct	-1108 Sep 27 j 22:33	8°♃02'58		opposition	-1100 Aug 15 j 10:38	11°≈39'36	0°-47'-36
				direct	-1100 Oct 29 j 16:05	9°≈43'43	

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Attention, astronomical year style is used: The year -1099 in astronomical counting style is the year 1100 BCE in historical counting style.

conjunction	-1099 Feb 11 j 21:12	13°≈34'48	0°-43'-31	min. Earth dist.	-1092 Sep 15 j 22:28	13°≈28'47	18.95555 AU
minimum elong	-1099 Feb 11 j 21:12	13°≈34'48	0°43'33	direct	-1092 Nov 30 j 04:28	11°≈30'16	
max. Earth dist.	-1099 Feb 12 j 23:13	13°≈38'30	21.13378 AU				
	-1099 Mar 09 j 09:03	15°≈		conjunction	-1091 Mar 16 j 07:13	15°≈24'45	0°-43'-3
retrograde	-1099 Jun 02 j 15:00	17°≈35'52		minimum elong	-1091 Mar 16 j 07:13	15°≈24'45	0°43'05
opposition	-1099 Aug 19 j 16:59	15°≈36'46	0°-48'-29	max. Earth dist.	-1091 Mar 16 j 21:58	15°≈26'51	20.93449 AU
min. Earth dist.	-1099 Aug 18 j 18:02	15°≈39'04	19.13207 AU	retrograde	-1091 Jul 05 j 13:06	19°≈28'49	
	-1099 Sep 04 j 05:12	15°≈		opposition	-1091 Sep 20 j 17:53	17°≈28'37	0°-47'-2
direct	-1099 Nov 02 j 19:49	13°≈40'53		min. Earth dist.	-1091 Sep 20 j 05:49	17°≈29'52	18.91305 AU
	-1099 Dec 29 j 17:14	15°≈		direct	-1091 Dec 04 j 10:08	15°≈31'13	
conjunction	-1098 Feb 16 j 03:01	17°≈32'06	0°-44'-13	conjunction	-1090 Mar 20 j 16:45	19°≈26'33	0°-42'-1
minimum elong	-1098 Feb 16 j 03:01	17°≈32'06	0°44'15	minimum elong	-1090 Mar 20 j 16:45	19°≈26'33	0°42'02
max. Earth dist.	-1098 Feb 17 j 02:53	17°≈35'29	21.12801 AU	max. Earth dist.	-1090 Mar 21 j 04:48	19°≈28'16	20.89057 AU
retrograde	-1098 Jun 07 j 00:07	21°≈33'23		retrograde	-1090 Jul 09 j 23:39	23°≈31'14	
opposition	-1098 Aug 23 j 23:18	19°≈34'14	0°-49'-8	opposition	-1090 Sep 25 j 00:24	21°≈30'54	0°-45'-47
min. Earth dist.	-1098 Aug 23 j 01:33	19°≈36'25	19.12335 AU	min. Earth dist.	-1090 Sep 24 j 13:59	21°≈31'59	18.86764 AU
direct	-1098 Nov 07 j 00:33	17°≈38'17		direct	-1090 Dec 08 j 15:20	19°≈33'15	
conjunction	-1097 Feb 20 j 09:20	21°≈29'43	0°-44'-42	conjunction	-1089 Mar 25 j 03:00	23°≈29'32	0°-40'-46
minimum elong	-1097 Feb 20 j 09:20	21°≈29'43	0°44'43	minimum elong	-1089 Mar 25 j 03:00	23°≈29'32	0°40'48
max. Earth dist.	-1097 Feb 21 j 08:46	21°≈33'03	21.11616 AU	max. Earth dist.	-1089 Mar 25 j 14:31	23°≈31'10	20.84368 AU
retrograde	-1097 Jun 11 j 07:57	25°≈31'16		retrograde	-1089 Jul 14 j 09:48	27°≈34'53	
min. Earth dist.	-1097 Aug 27 j 09:05	23°≈34'04	19.10840 AU	opposition	-1089 Sep 29 j 07:05	25°≈34'27	0°-44'-18
opposition	-1097 Aug 28 j 05:25	23°≈32'01	0°-49'-34	min. Earth dist.	-1089 Sep 28 j 21:51	25°≈35'25	18.81928 AU
direct	-1097 Nov 11 j 04:44	21°≈35'58		direct	-1089 Dec 12 j 21:08	23°≈36'34	
conjunction	-1096 Feb 24 j 15:52	25°≈27'41	0°-44'-59	conjunction	-1088 Mar 28 j 13:55	27°≈33'53	0°-39'-19
minimum elong	-1096 Feb 24 j 15:52	25°≈27'41	0°45'00	minimum elong	-1088 Mar 28 j 13:55	27°≈33'53	0°39'20
max. Earth dist.	-1096 Feb 25 j 12:53	25°≈30'40	21.09837 AU	max. Earth dist.	-1088 Mar 28 j 22:36	27°≈35'07	20.79410 AU
retrograde	-1096 Jun 14 j 16:45	29°≈29'32			-1088 May 12 j 22:13	0°≈	
opposition	-1096 Aug 31 j 11:35	27°≈30'09	0°-49'-44	retrograde	-1088 Jul 17 j 21:42	1°≈39'59	
min. Earth dist.	-1096 Aug 30 j 16:39	27°≈32'04	19.08765 AU		-1088 Sep 24 j 06:50	30°≈	
direct	-1096 Nov 14 j 09:19	25°≈33'55		opposition	-1088 Oct 02 j 14:13	29°≈39'27	0°-42'-35
conjunction	-1095 Feb 27 j 22:50	29°≈26'00	0°-45'-2	min. Earth dist.	-1088 Oct 02 j 06:54	29°≈40'12	18.76832 AU
minimum elong	-1095 Feb 27 j 22:50	29°≈26'00	0°45'03	direct	-1088 Dec 16 j 03:29	27°≈41'18	
max. Earth dist.	-1095 Feb 28 j 19:24	29°≈28'55	21.07479 AU		-1087 Mar 03 j 07:38	0°≈	
	-1095 Mar 09 j 22:35	0°≈		conjunction	-1087 Apr 02 j 01:49	1°≈39'45	0°-37'-40
retrograde	-1095 Jun 19 j 01:04	3°≈28'11		minimum elong	-1087 Apr 02 j 01:49	1°≈39'45	0°37'40
opposition	-1095 Sep 04 j 17:39	1°≈28'39	0°-49'-41	max. Earth dist.	-1087 Apr 02 j 09:46	1°≈40'54	20.74171 AU
min. Earth dist.	-1095 Sep 04 j 00:07	1°≈30'26	19.06129 AU	retrograde	-1087 Jul 22 j 08:52	5°≈46'37	
	-1095 Oct 16 j 01:49	30°≈		opposition	-1087 Oct 06 j 21:42	3°≈46'01	0°-40'-39
direct	-1095 Nov 18 j 14:25	29°≈32'13		min. Earth dist.	-1087 Oct 06 j 15:46	3°≈46'38	18.71433 AU
	-1095 Dec 21 j 13:03	0°≈		direct	-1087 Dec 20 j 10:17	1°≈47'37	
conjunction	-1094 Mar 04 j 06:12	3°≈24'45	0°-44'-52	conjunction	-1086 Apr 06 j 14:31	5°≈47'16	0°-35'-48
minimum elong	-1094 Mar 04 j 06:12	3°≈24'45	0°44'53	minimum elong	-1086 Apr 06 j 14:31	5°≈47'16	0°35'48
max. Earth dist.	-1094 Mar 05 j 00:16	3°≈27'19	21.04603 AU	max. Earth dist.	-1086 Apr 06 j 19:12	5°≈47'57	20.68626 AU
retrograde	-1094 Jun 23 j 09:43	7°≈27'19		retrograde	-1086 Jul 26 j 21:27	9°≈54'57	
opposition	-1094 Sep 08 j 23:32	5°≈27'36	0°-49'-22	opposition	-1086 Oct 11 j 05:37	7°≈54'15	0°-38'-29
min. Earth dist.	-1094 Sep 08 j 07:33	5°≈29'14	19.03016 AU	min. Earth dist.	-1086 Oct 11 j 02:04	7°≈54'37	18.65727 AU
direct	-1094 Nov 22 j 18:32	3°≈30'56		direct	-1086 Dec 24 j 18:00	5°≈55'34	
conjunction	-1093 Mar 08 j 14:07	7°≈24'02	0°-44'-28	conjunction	-1085 Apr 11 j 04:15	9°≈56'31	0°-33'-44
minimum elong	-1093 Mar 08 j 14:07	7°≈24'02	0°44'30	minimum elong	-1085 Apr 11 j 04:16	9°≈56'31	0°33'44
max. Earth dist.	-1093 Mar 09 j 07:45	7°≈26'32	21.01264 AU	max. Earth dist.	-1085 Apr 11 j 07:50	9°≈57'02	20.62749 AU
retrograde	-1093 Jun 27 j 18:26	11°≈27'01		retrograde	-1085 Jul 31 j 09:55	14°≈05'00	
opposition	-1093 Sep 13 j 05:33	9°≈27'09	0°-48'-50	opposition	-1085 Oct 15 j 14:05	12°≈04'12	0°-36'-6
min. Earth dist.	-1093 Sep 12 j 14:48	9°≈28'39	18.99465 AU	min. Earth dist.	-1085 Oct 15 j 12:01	12°≈04'25	18.59673 AU
direct	-1093 Nov 27 j 00:07	7°≈30'15		direct	-1085 Dec 29 j 02:38	10°≈05'12	
conjunction	-1092 Mar 11 j 22:13	11°≈23'58	0°-43'-52	conjunction	-1084 Apr 14 j 18:34	14°≈07'28	0°-31'-28
minimum elong	-1092 Mar 11 j 22:13	11°≈23'58	0°43'53	minimum elong	-1084 Apr 14 j 18:34	14°≈07'28	0°31'29
max. Earth dist.	-1092 Mar 12 j 13:25	11°≈26'08	20.97533 AU	max. Earth dist.	-1084 Apr 14 j 18:38	14°≈07'28	20.56531 AU
retrograde	-1092 Jul 01 j 03:42	15°≈27'29		retrograde	-1084 Aug 03 j 22:46	18°≈16'48	
opposition	-1092 Sep 16 j 11:43	13°≈27'26	0°-48'-3	opposition	-1084 Oct 18 j 23:11	16°≈15'51	0°-33'-30

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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.

min. Earth dist.	-1084 Oct 18 j 23:43	16° Υ 15'48	18.53285 AU					-1076 Mar 10 j 08:03	15° Υ		
direct	-1083 Jan 01 j 11:43	14° Υ 16'29									
conjunction	-1083 Apr 19 j 10:07	18° Υ 20'07	0°-29'-1					conjunction	-1076 May 20 j 20:44	18° Υ 36'10	0°-7'-50
minimum elong	-1083 Apr 19 j 10:07	18° Υ 20'07	0°29'01					minimum elong	-1076 May 20 j 20:45	18° Υ 36'10	0°07'50
max. Earth dist.	-1083 Apr 19 j 08:53	18° Υ 19'56	20.49979 AU					behind sun begin	-1076 May 20 j 14:40	18° Υ 35'17	
retrograde	-1083 Aug 08 j 12:37	22° Υ 30'16						behind sun end	-1076 May 21 j 02:49	18° Υ 37'03	
opposition	-1083 Oct 23 j 08:34	20° Υ 29'09	0°-30'-42					max. Earth dist.	-1076 May 20 j 04:13	18° Υ 33'42	20.00146 AU
min. Earth dist.	-1083 Oct 23 j 10:35	20° Υ 28'56	18.46571 AU					retrograde	-1076 Sep 08 j 03:31	22° Υ 52'15	
direct	-1082 Jan 05 j 22:26	18° Υ 29'23						opposition	-1076 Nov 21 j 19:33	20° Υ 49'59	0°-6'-45
conjunction	-1082 Apr 24 j 02:20	22° Υ 34'25	0°-26'-24					min. Earth dist.	-1076 Nov 22 j 09:55	20° Υ 48'27	17.96687 AU
minimum elong	-1082 Apr 24 j 02:20	22° Υ 34'26	0°26'25					direct	-1075 Feb 04 j 16:23	18° Υ 47'07	
max. Earth dist.	-1082 Apr 23 j 21:31	22° Υ 33'44	20.43136 AU					conjunction	-1075 May 25 j 18:53	23° Υ 03'02	0°-4'-25
retrograde	-1082 Aug 13 j 01:55	26° Υ 45'24						minimum elong	-1075 May 25 j 18:54	23° Υ 03'02	0°04'25
opposition	-1082 Oct 27 j 18:40	24° Υ 44'07	0°-27'-43					behind sun begin	-1075 May 25 j 12:14	23° Υ 02'03	
min. Earth dist.	-1082 Oct 27 j 23:21	24° Υ 43'37	18.39612 AU					behind sun end	-1075 May 26 j 01:33	23° Υ 04'00	
direct	-1081 Jan 10 j 08:40	22° Υ 43'54						max. Earth dist.	-1075 May 25 j 01:19	23° Υ 00'24	19.93296 AU
conjunction	-1081 Apr 28 j 19:20	26° Υ 50'23	0°-23'-37					retrograde	-1075 Sep 12 j 23:32	27° Υ 19'59	
minimum elong	-1081 Apr 28 j 19:20	26° Υ 50'23	0°23'38					opposition	-1075 Nov 26 j 10:06	25° Υ 17'40	0°-2'-54
max. Earth dist.	-1081 Apr 28 j 13:26	26° Υ 49'31	20.36075 AU					min. Earth dist.	-1075 Nov 27 j 00:53	25° Υ 16'04	17.89931 AU
retrograde	-1081 Jun 28 j 12:23	0° Υ						direct	-1074 Feb 09 j 09:33	23° Υ 14'26	
opposition	-1081 Aug 17 j 17:04	1° Υ 02'11						conjunction	-1074 May 30 j 17:50	27° Υ 32'00	0°00'-53
min. Earth dist.	-1081 Oct 07 j 20:44	30° Υ						minimum elong	-1074 May 30 j 17:51	27° Υ 32'00	0°00'54
direct	-1080 Apr 13 j 01:03	0° Υ						behind sun begin	-1074 May 30 j 11:04	27° Υ 31'01	
conjunction	-1080 May 02 j 13:06	1° Υ 08'00	0°-20'-42					behind sun end	-1074 May 31 j 00:38	27° Υ 33'00	
minimum elong	-1080 May 02 j 13:06	1° Υ 08'00	0°20'42					max. Earth dist.	-1074 May 29 j 22:10	27° Υ 29'03	19.86636 AU
max. Earth dist.	-1080 May 02 j 03:57	1° Υ 06'40	20.28874 AU					asc. node	-1074 Jul 13 j 03:10	0° Υ	
retrograde	-1080 Aug 21 j 07:21	5° Υ 20'40						retrograde	-1074 Aug 29 j 20:38	1° Υ 40'10	
opposition	-1080 Nov 04 j 16:18	3° Υ 18'59	0°-21'-15					conjunction	-1074 Sep 17 j 18:07	1° Υ 49'49	
min. Earth dist.	-1080 Nov 05 j 00:40	3° Υ 18'05	18.25230 AU					minimum elong	-1074 Nov 26 j 05:59	30° Υ	
direct	-1079 Jan 18 j 08:30	1° Υ 17'50						opposition	-1074 Dec 01 j 01:46	29° Υ 47'29	0°00'59
conjunction	-1079 May 07 j 07:54	5° Υ 27'20	0°-17'-38					min. Earth dist.	-1074 Dec 01 j 18:55	29° Υ 45'37	17.83381 AU
minimum elong	-1079 May 07 j 07:54	5° Υ 27'20	0°17'39					direct	-1073 Feb 14 j 01:03	27° Υ 43'55	
max. Earth dist.	-1079 May 06 j 21:43	5° Υ 25'50	20.21615 AU					conjunction	-1073 Jun 04 j 17:30	2° Υ 03'08	0°02'44
retrograde	-1079 Aug 26 j 00:06	9° Υ 40'49						minimum elong	-1073 Jun 04 j 17:31	2° Υ 03'08	0°02'45
opposition	-1079 Nov 09 j 04:00	7° Υ 38'58	0°-17'-47					behind sun begin	-1073 Jun 04 j 10:44	2° Υ 02'09	
min. Earth dist.	-1079 Nov 09 j 13:11	7° Υ 37'59	18.17961 AU					behind sun end	-1073 Jun 05 j 00:17	2° Υ 04'08	
direct	-1078 Jan 22 j 22:22	5° Υ 37'22						max. Earth dist.	-1073 Jun 03 j 20:34	1° Υ 59'59	19.80187 AU
conjunction	-1078 May 12 j 03:20	9° Υ 48'25	0°-14'-28					retrograde	-1073 Sep 22 j 15:57	6° Υ 21'49	
minimum elong	-1078 May 12 j 03:20	9° Υ 48'25	0°14'27					opposition	-1073 Dec 05 j 18:07	4° Υ 19'27	0°04'55
behind sun begin	-1078 May 12 j 00:34	9° Υ 48'01						min. Earth dist.	-1073 Dec 06 j 11:41	4° Υ 17'33	17.77027 AU
behind sun end	-1078 May 12 j 06:06	9° Υ 48'49						direct	-1072 Feb 18 j 20:24	2° Υ 15'34	
max. Earth dist.	-1078 May 11 j 14:13	9° Υ 46'29	20.14355 AU					conjunction	-1072 Jun 08 j 18:12	6° Υ 36'25	0°06'15
retrograde	-1078 Aug 30 j 15:54	14° Υ 02'46						minimum elong	-1072 Jun 08 j 18:12	6° Υ 36'25	0°06'16
opposition	-1078 Nov 13 j 16:27	12° Υ 00'44	0°-14'-12					behind sun begin	-1072 Jun 08 j 11:47	6° Υ 35'28	
min. Earth dist.	-1078 Nov 14 j 04:02	11° Υ 59'30	18.10742 AU					behind sun end	-1072 Jun 09 j 00:37	6° Υ 37'22	
direct	-1077 Jan 27 j 11:06	9° Υ 58'40						max. Earth dist.	-1072 Jun 07 j 19:31	6° Υ 32'59	19.73913 AU
conjunction	-1077 May 16 j 23:42	14° Υ 11'20	0°-11'-11					retrograde	-1072 Sep 26 j 11:43	10° Υ 55'53	
minimum elong	-1077 May 16 j 23:42	14° Υ 11'20	0°11'12					opposition	-1072 Dec 09 j 11:25	8° Υ 53'31	0°08'51
behind sun begin	-1077 May 16 j 18:46	14° Υ 10'37						min. Earth dist.	-1072 Dec 10 j 07:24	8° Υ 51'21	17.70855 AU
behind sun end	-1077 May 17 j 04:38	14° Υ 12'03						direct	-1071 Feb 22 j 13:44	6° Υ 49'19	
max. Earth dist.	-1077 May 16 j 09:40	14° Υ 09'15	20.07184 AU					conjunction	-1071 Jun 13 j 19:41	11° Υ 11'45	0°09'46
retrograde	-1077 May 30 j 16:31	15° Υ						minimum elong	-1071 Jun 13 j 19:41	11° Υ 11'45	0°09'47
opposition	-1077 Sep 04 j 10:09	18° Υ 26'32						behind sun begin	-1071 Jun 13 j 14:11	11° Υ 10'56	
min. Earth dist.	-1077 Nov 18 j 05:31	16° Υ 24'23	0°-10'-31					behind sun end	-1071 Jun 14 j 01:11	11° Υ 12'34	
direct	-1077 Dec 24 j 07:30	15° Υ						max. Earth dist.	-1071 Jun 12 j 19:10	11° Υ 08'01	19.67832 AU
conjunction	-1076 Feb 01 j 02:16	14° Υ 21'54						retrograde	-1071 Oct 01 j 10:40	15° Υ 31'58	
minimum elong	-1076 Feb 01 j 02:16	14° Υ 21'54						opposition	-1071 Dec 14 j 05:32	13° Υ 29'34	0°12'45
behind sun begin	-1076 Feb 01 j 02:16	14° Υ 21'54						min. Earth dist.	-1071 Dec 15 j 01:56	13° Υ 27'21	17.64869 AU
behind sun end	-1076 Feb 01 j 02:16	14° Υ 21'54						direct	-1070 Feb 27 j 11:21	11° Υ 25'02	
max. Earth dist.	-1076 Feb 01 j 02:16	14° Υ 21'54						conjunction	-1070 Jun 18 j 21:46	15° Υ 48'59	0°13'15

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Attention, astronomical year style is used: The year -1070 in astronomical counting style is the year 1071 BCE in historical counting style.

minimum elong	-1070 Jun 18 j 21:46	15°II48'59	0°13'16	conjunction	-1062 Jul 28 j 03:30	23°☾36'36	0°36'37
behind sun begin	-1070 Jun 18 j 17:59	15°II48'25		minimum elong	-1062 Jul 28 j 03:30	23°☾36'36	0°36'37
behind sun end	-1070 Jun 19 j 01:34	15°II49'33		retrograde	-1062 Nov 13 j 04:27	28°☾00'37	
max. Earth dist.	-1070 Jun 17 j 20:07	15°II45'03	19.61930 AU	opposition	-1061 Jan 25 j 10:15	25°☾58'04	0°41'59
retrograde	-1070 Oct 06 j 07:14	20°II09'53		min. Earth dist.	-1061 Jan 26 j 10:28	25°☾55'24	17.27669 AU
opposition	-1070 Dec 19 j 00:38	18°II07'28	0°16'37	direct	-1061 Apr 11 j 15:27	23°☾51'17	
min. Earth dist.	-1070 Dec 19 j 23:07	18°II05'00	17.59087 AU	max. Earth dist.	-1061 Aug 01 j 03:19	28°☾19'47	19.26910 AU
direct	-1069 Mar 04 j 06:59	16°II02'36					
max. Earth dist.	-1069 Jun 22 j 20:50	20°II23'44	19.56277 AU	conjunction	-1061 Aug 02 j 07:42	28°☾24'16	0°38'38
				minimum elong	-1061 Aug 02 j 07:42	28°☾24'16	0°38'39
conjunction	-1069 Jun 24 j 00:22	20°II27'58	0°16'40				
minimum elong	-1069 Jun 24 j 00:22	20°II27'58	0°16'40	retrograde	-1061 Nov 18 j 04:41	2°♁48'21	
retrograde	-1069 Oct 11 j 06:38	24°II49'30		opposition	-1060 Jan 30 j 11:09	0°♁45'54	0°44'06
opposition	-1069 Dec 23 j 20:17	22°II47'01	0°20'23	min. Earth dist.	-1060 Jan 31 j 11:19	0°♁43'16	17.26411 AU
min. Earth dist.	-1069 Dec 24 j 19:02	22°II44'32	17.53576 AU		-1060 Feb 17 j 08:49	30°R☾	
direct	-1068 Mar 08 j 06:55	20°II41'49		direct	-1060 Apr 15 j 17:55	28°☾39'07	
max. Earth dist.	-1068 Jun 26 j 23:43	25°II04'14	19.50907 AU		-1060 Jun 11 j 05:39	0°♁	
				max. Earth dist.	-1060 Aug 05 j 09:03	3°♁08'15	19.25967 AU
conjunction	-1068 Jun 28 j 03:35	25°II08'32	0°19'59				
minimum elong	-1068 Jun 28 j 03:35	25°II08'32	0°20'01	conjunction	-1060 Aug 06 j 11:57	3°♁12'30	0°40'23
retrograde	-1068 Oct 15 j 03:46	29°II30'38		minimum elong	-1060 Aug 06 j 11:57	3°♁12'30	0°40'25
opposition	-1068 Dec 27 j 16:53	27°II28'06	0°24'02	retrograde	-1060 Nov 22 j 06:43	7°♁36'36	
min. Earth dist.	-1068 Dec 28 j 17:15	27°II25'26	17.48377 AU	opposition	-1059 Feb 03 j 12:40	5°♁34'17	0°45'55
direct	-1067 Mar 13 j 04:59	25°II22'34		min. Earth dist.	-1059 Feb 04 j 11:40	5°♁31'46	17.25760 AU
max. Earth dist.	-1067 Jul 02 j 01:28	29°II45'57	19.45895 AU	direct	-1059 Apr 20 j 22:10	3°♁27'33	
conjunction	-1067 Jul 03 j 07:04	29°II50'32	0°23'11	conjunction	-1059 Aug 11 j 15:55	8°♁01'08	0°41'52
minimum elong	-1067 Jul 03 j 07:04	29°II50'32	0°23'12	minimum elong	-1059 Aug 11 j 15:55	8°♁01'08	0°41'53
	-1067 Jul 05 j 20:11	0°☾		max. Earth dist.	-1059 Aug 10 j 13:26	7°♁56'57	19.25608 AU
retrograde	-1067 Oct 20 j 03:25	4°☾13'07		retrograde	-1059 Nov 27 j 06:38	12°♁25'11	
opposition	-1066 Jan 01 j 14:01	2°☾10'32	0°27'32	opposition	-1058 Feb 08 j 14:47	10°♁22'59	0°47'24
min. Earth dist.	-1066 Jan 02 j 14:29	2°☾07'51	17.43573 AU	min. Earth dist.	-1058 Feb 09 j 13:51	10°♁20'28	17.25696 AU
direct	-1066 Mar 18 j 06:44	0°☾04'41		direct	-1058 Apr 26 j 01:45	8°♁16'19	
max. Earth dist.	-1066 Jul 07 j 05:58	4°☾29'17	19.41302 AU				
				conjunction	-1058 Aug 16 j 19:41	12°♁49'59	0°43'04
conjunction	-1066 Jul 08 j 10:59	4°☾33'47	0°26'15	minimum elong	-1058 Aug 16 j 19:41	12°♁49'59	0°43'05
minimum elong	-1066 Jul 08 j 10:59	4°☾33'47	0°26'16	max. Earth dist.	-1058 Aug 15 j 18:24	12°♁45'58	19.25821 AU
retrograde	-1066 Oct 25 j 01:57	8°☾56'47			-1058 Sep 21 j 10:40	15°♁	
opposition	-1065 Jan 06 j 12:04	6°☾54'09	0°30'52	retrograde	-1058 Dec 02 j 08:33	17°♁13'52	
min. Earth dist.	-1065 Jan 07 j 13:21	6°☾51'23	17.39223 AU	opposition	-1057 Feb 13 j 17:08	15°♁11'47	0°48'34
direct	-1065 Mar 23 j 07:02	4°☾48'02		min. Earth dist.	-1057 Feb 14 j 14:32	15°♁09'28	17.26167 AU
max. Earth dist.	-1065 Jul 12 j 08:28	9°☾13'25	19.37210 AU		-1057 Feb 18 j 05:46	15°R♁	
				direct	-1057 May 01 j 07:35	13°♁05'14	
conjunction	-1065 Jul 13 j 14:46	9°☾18'08	0°29'09		-1057 Jul 08 j 10:46	15°♁	
minimum elong	-1065 Jul 13 j 14:46	9°☾18'08	0°29'10				
retrograde	-1065 Oct 30 j 01:54	13°☾41'30		conjunction	-1057 Aug 21 j 23:02	17°♁38'46	0°43'57
opposition	-1064 Jan 11 j 10:38	11°☾38'50	0°34'00	minimum elong	-1057 Aug 21 j 23:02	17°♁38'46	0°43'58
min. Earth dist.	-1064 Jan 12 j 11:47	11°☾36'05	17.35412 AU	max. Earth dist.	-1057 Aug 20 j 22:51	17°♁34'56	19.26547 AU
direct	-1064 Mar 27 j 09:09	9°☾32'27		retrograde	-1057 Dec 07 j 08:01	22°♁02'25	
				opposition	-1056 Feb 18 j 19:56	20°♁00'27	0°49'23
conjunction	-1064 Jul 17 j 19:03	14°☾03'28	0°31'51	min. Earth dist.	-1056 Feb 19 j 17:24	19°♁58'07	17.27146 AU
minimum elong	-1064 Jul 17 j 19:03	14°☾03'28	0°31'51	direct	-1056 May 05 j 11:41	17°♁53'59	
max. Earth dist.	-1064 Jul 16 j 13:59	13°☾58'55	19.33676 AU	max. Earth dist.	-1056 Aug 25 j 02:40	22°♁23'34	19.27774 AU
retrograde	-1064 Nov 03 j 02:15	18°☾27'05					
opposition	-1063 Jan 15 j 09:49	16°☾24'26	0°36'55	conjunction	-1056 Aug 26 j 02:00	22°♁27'16	0°44'32
min. Earth dist.	-1063 Jan 16 j 11:02	16°☾21'40	17.32179 AU	minimum elong	-1056 Aug 26 j 02:00	22°♁27'16	0°44'32
direct	-1063 Apr 01 j 10:45	14°☾17'51		retrograde	-1056 Dec 11 j 09:32	26°♁50'35	
				opposition	-1055 Feb 22 j 22:41	24°♁48'43	0°49'52
conjunction	-1063 Jul 22 j 23:17	18°☾49'39	0°34'21	min. Earth dist.	-1055 Feb 23 j 18:10	24°♁46'37	17.28603 AU
minimum elong	-1063 Jul 22 j 23:16	18°☾49'39	0°34'22	direct	-1055 May 10 j 18:08	22°♁42'23	
max. Earth dist.	-1063 Jul 21 j 17:24	18°☾44'58	19.30758 AU	max. Earth dist.	-1055 Aug 30 j 07:01	27°♁11'49	19.29468 AU
retrograde	-1063 Nov 08 j 02:39	23°☾13'30					
opposition	-1062 Jan 20 j 09:45	21°☾10'52	0°39'35	conjunction	-1055 Aug 31 j 04:30	27°♁15'13	0°44'48
min. Earth dist.	-1062 Jan 21 j 10:42	21°☾08'08	17.29597 AU	minimum elong	-1055 Aug 31 j 04:30	27°♁15'13	0°44'48
direct	-1062 Apr 06 j 12:44	19°☾04'09			-1055 Oct 16 j 17:33	0°♁	
max. Earth dist.	-1062 Jul 26 j 23:18	23°☾32'10	19.28503 AU	retrograde	-1055 Dec 16 j 08:38	1°♁38'09	
					-1054 Feb 18 j 21:12	30°R♁	

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Attention, astronomical year style is used: The year -1054 in astronomical counting style is the year 1055 BCE in historical counting style.

opposition	-1054 Feb 28 j 01:50	29°♃36'22	0°49'58	min. Earth dist.	-1046 Apr 07 j 22:27	7°♁13'27	17.63932 AU
min. Earth dist.	-1054 Feb 28 j 21:07	29°♃34'17	17.30537 AU	direct	-1046 Jun 24 j 00:22	5°♁09'53	
direct	-1054 May 15 j 22:24	27°♃30'10					
	-1054 Aug 02 j 21:16	0°♃		conjunction	-1046 Oct 12 j 13:49	9°♁33'09	0°34'01
max. Earth dist.	-1054 Sep 04 j 09:24	1°♃59'08	19.31649 AU	minimum elong	-1046 Oct 12 j 13:49	9°♁33'09	0°34'01
				max. Earth dist.	-1046 Oct 12 j 10:37	9°♁32'39	19.67015 AU
conjunction	-1054 Sep 05 j 06:03	2°♃02'24	0°44'45	retrograde	-1045 Jan 27 j 16:45	13°♁50'03	
minimum elong	-1054 Sep 05 j 06:03	2°♃02'24	0°44'44	opposition	-1045 Apr 12 j 19:39	11°♁49'17	0°36'32
retrograde	-1054 Dec 21 j 09:26	6°♃24'52		min. Earth dist.	-1045 Apr 12 j 21:03	11°♁49'08	17.70158 AU
opposition	-1053 Mar 05 j 04:44	4°♃23'09	0°49'44	direct	-1045 Jun 29 j 01:11	9°♁45'47	
min. Earth dist.	-1053 Mar 05 j 21:39	4°♃21'20	17.32947 AU				
direct	-1053 May 21 j 04:30	2°♃17'06		conjunction	-1045 Oct 17 j 07:59	14°♁07'36	0°31'35
				minimum elong	-1045 Oct 17 j 07:59	14°♁07'36	0°31'35
conjunction	-1053 Sep 10 j 07:09	6°♃48'36	0°44'23	max. Earth dist.	-1045 Oct 17 j 07:44	14°♁07'33	19.73379 AU
minimum elong	-1053 Sep 10 j 07:09	6°♃48'36	0°44'23	retrograde	-1044 Feb 01 j 11:51	18°♁23'39	
max. Earth dist.	-1053 Sep 09 j 13:04	6°♃45'44	19.34300 AU	opposition	-1044 Apr 16 j 19:33	16°♁23'03	0°33'43
retrograde	-1053 Dec 26 j 07:44	11°♃10'30		min. Earth dist.	-1044 Apr 16 j 18:41	16°♁23'09	17.76627 AU
opposition	-1052 Mar 09 j 07:32	9°♃08'51	0°49'09	direct	-1044 Jul 03 j 02:01	14°♁20'01	
min. Earth dist.	-1052 Mar 09 j 23:55	9°♃07'06	17.35837 AU				
direct	-1052 May 25 j 07:56	7°♃02'59		conjunction	-1044 Oct 21 j 01:13	18°♁40'17	0°28'59
				minimum elong	-1044 Oct 21 j 01:13	18°♁40'17	0°28'58
conjunction	-1052 Sep 14 j 07:17	11°♃33'36	0°43'43	max. Earth dist.	-1044 Oct 21 j 02:25	18°♁40'28	19.79953 AU
minimum elong	-1052 Sep 14 j 07:17	11°♃33'36	0°43'42	retrograde	-1043 Feb 05 j 06:05	22°♁55'30	
max. Earth dist.	-1052 Sep 13 j 14:04	11°♃30'53	19.37448 AU	opposition	-1043 Apr 21 j 19:10	20°♁55'03	0°30'42
retrograde	-1052 Dec 30 j 08:00	15°♃54'54		min. Earth dist.	-1043 Apr 21 j 16:48	20°♁55'18	17.83292 AU
opposition	-1051 Mar 14 j 10:11	13°♃53'18	0°48'14	direct	-1043 Jul 08 j 00:36	18°♁52'26	
min. Earth dist.	-1051 Mar 14 j 23:57	13°♃51'50	17.39233 AU				
direct	-1051 May 30 j 12:50	11°♃47'38		conjunction	-1043 Oct 25 j 17:32	23°♁11'07	0°26'12
				minimum elong	-1043 Oct 25 j 17:32	23°♁11'07	0°26'12
conjunction	-1051 Sep 19 j 06:35	16°♃17'15	0°42'45	max. Earth dist.	-1043 Oct 25 j 21:19	23°♁11'42	19.86684 AU
minimum elong	-1051 Sep 19 j 06:35	16°♃17'15	0°42'45	retrograde	-1042 Feb 10 j 00:31	27°♁25'28	
max. Earth dist.	-1051 Sep 18 j 16:38	16°♃15'03	19.41103 AU	opposition	-1042 Apr 26 j 18:03	25°♁25'09	0°27'31
retrograde	-1050 Jan 04 j 05:44	20°♃37'53		min. Earth dist.	-1042 Apr 26 j 13:10	25°♁25'40	17.90061 AU
opposition	-1050 Mar 19 j 12:46	18°♃36'22	0°47'00	direct	-1042 Jul 13 j 00:10	23°♁22'57	
min. Earth dist.	-1050 Mar 20 j 01:15	18°♃35'03	17.43147 AU				
direct	-1050 Jun 04 j 15:12	16°♃30'57		conjunction	-1042 Oct 30 j 09:03	27°♁40'01	0°23'16
				minimum elong	-1042 Oct 30 j 09:03	27°♁40'01	0°23'15
conjunction	-1050 Sep 24 j 04:55	20°♃59'28	0°41'30	max. Earth dist.	-1042 Oct 30 j 14:19	27°♁40'49	19.93485 AU
minimum elong	-1050 Sep 24 j 04:55	20°♃59'28	0°41'31	retrograde	-1042 Dec 09 j 08:40	0°♃	
max. Earth dist.	-1050 Sep 23 j 16:10	20°♃57'27	19.45296 AU	opposition	-1041 Feb 14 j 17:05	1°♃53'28	
retrograde	-1049 Jan 09 j 05:13	25°♃19'24			-1041 Apr 28 j 22:53	30°♃	
opposition	-1049 Mar 24 j 14:47	23°♃17'59	0°45'27	opposition	-1041 May 01 j 16:12	29°♁53'17	0°24'11
min. Earth dist.	-1049 Mar 25 j 00:34	23°♃16'56	17.47613 AU	min. Earth dist.	-1041 May 01 j 10:17	29°♁53'53	17.96891 AU
direct	-1049 Jun 09 j 18:39	21°♃12'51		direct	-1041 Jul 17 j 20:23	27°♁51'27	
					-1041 Sep 28 j 23:49	0°♃	
conjunction	-1049 Sep 29 j 02:33	25°♃40'10	0°40'00	conjunction	-1041 Nov 03 j 23:44	2°♃06'53	0°20'14
minimum elong	-1049 Sep 29 j 02:33	25°♃40'10	0°39'59	minimum elong	-1041 Nov 03 j 23:45	2°♃06'53	0°20'14
max. Earth dist.	-1049 Sep 28 j 17:14	25°♃38'43	19.50029 AU	max. Earth dist.	-1041 Nov 04 j 07:04	2°♃08'00	20.00324 AU
retrograde	-1048 Jan 14 j 02:19	29°♃59'23		retrograde	-1040 Feb 19 j 10:33	6°♃19'25	
opposition	-1048 Mar 28 j 16:38	27°♃58'06	0°43'37	opposition	-1040 May 05 j 13:36	4°♃19'19	0°20'43
min. Earth dist.	-1048 Mar 29 j 00:36	27°♃57'15	17.52589 AU	min. Earth dist.	-1040 May 05 j 05:02	4°♃20'11	18.03717 AU
direct	-1048 Jun 13 j 20:18	25°♃53'20		direct	-1040 Jul 21 j 18:11	2°♃17'51	
	-1048 Sep 27 j 19:48	0°♁					
conjunction	-1048 Oct 02 j 23:08	0°♁19'23	0°38'14	conjunction	-1040 Nov 07 j 13:21	6°♃31'37	0°17'05
minimum elong	-1048 Oct 02 j 23:08	0°♁19'23	0°38'14	minimum elong	-1040 Nov 07 j 13:21	6°♃31'37	0°17'05
max. Earth dist.	-1048 Oct 02 j 15:08	0°♁18'08	19.55261 AU	max. Earth dist.	-1040 Nov 07 j 22:24	6°♃32'59	20.07143 AU
retrograde	-1047 Jan 18 j 00:29	4°♁37'51		retrograde	-1039 Feb 23 j 01:38	10°♃43'15	
opposition	-1047 Apr 02 j 18:01	2°♁36'43	0°41'30	opposition	-1039 May 10 j 10:25	8°♃43'12	0°17'10
min. Earth dist.	-1047 Apr 02 j 23:32	2°♁36'08	17.58056 AU	min. Earth dist.	-1039 May 10 j 00:58	8°♃44'10	18.10539 AU
direct	-1047 Jun 18 j 22:45	0°♁32'21		direct	-1039 Jul 26 j 12:56	6°♃42'05	
conjunction	-1047 Oct 07 j 19:02	4°♁57'04	0°36'14	conjunction	-1039 Nov 12 j 02:08	10°♃54'11	0°13'52
minimum elong	-1047 Oct 07 j 19:02	4°♁57'04	0°36'14	minimum elong	-1039 Nov 12 j 02:08	10°♃54'11	0°13'52
max. Earth dist.	-1047 Oct 07 j 14:24	4°♁56'20	19.60952 AU	behind sun begin	-1039 Nov 11 j 22:35	10°♃53'39	
retrograde	-1046 Jan 22 j 20:32	9°♁14'45		behind sun end	-1039 Nov 12 j 05:41	10°♃54'42	
opposition	-1046 Apr 07 j 19:06	7°♁13'48	0°39'09	max. Earth dist.	-1039 Nov 12 j 13:07	10°♃55'50	20.13965 AU

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Attention, astronomical year style is used: The year -1038 in astronomical counting style is the year 1039 BCE in historical counting style.

	-1038 Feb 14 j 01:26	15°♄		retrograde	-1032 Mar 25 j 01:45	10°♄33'06	
retrograde	-1038 Feb 27 j 17:43	15°♄04'53		opposition	-1032 Jun 10 j 11:51	8°♄33'40	0°-8'-20
	-1038 Mar 13 j 13:56	15°♄		min. Earth dist.	-1032 Jun 09 j 13:19	8°♄35'56	18.57990 AU
opposition	-1038 May 15 j 06:09	13°♄04'53	0°13'33	direct	-1032 Aug 26 j 04:18	6°♄35'08	
min. Earth dist.	-1038 May 14 j 17:51	13°♄06'09	18.17352 AU				
direct	-1038 Jul 31 j 08:41	11°♄04'07		conjunction	-1032 Dec 10 j 21:15	10°♄36'48	0°-9'-9
	-1038 Nov 12 j 14:04	15°♄		minimum elong	-1032 Dec 10 j 21:15	10°♄36'48	0°09'11
				behind sun begin	-1032 Dec 10 j 15:41	10°♄35'59	
conjunction	-1038 Nov 16 j 13:55	15°♄14'33	0°10'37	behind sun end	-1032 Dec 11 j 02:49	10°♄37'36	
minimum elong	-1038 Nov 16 j 13:55	15°♄14'33	0°10'36	max. Earth dist.	-1032 Dec 11 j 20:36	10°♄40'15	20.61201 AU
behind sun begin	-1038 Nov 16 j 08:48	15°♄13'47		retrograde	-1031 Mar 29 j 11:47	14°♄42'06	
behind sun end	-1038 Nov 16 j 19:03	15°♄15'18		min. Earth dist.	-1031 Jun 14 j 03:39	12°♄45'05	18.64366 AU
max. Earth dist.	-1038 Nov 17 j 02:57	15°♄16'31	20.20773 AU	opposition	-1031 Jun 15 j 02:20	12°♄42'48	0°-11'-51
retrograde	-1037 Mar 04 j 07:23	19°♄24'22		direct	-1031 Aug 30 j 16:18	10°♄44'40	
opposition	-1037 May 20 j 01:12	17°♄24'24	0°09'54				
min. Earth dist.	-1037 May 19 j 12:03	17°♄25'45	18.24173 AU	conjunction	-1031 Dec 15 j 04:31	14°♄45'04	0°-12'-17
direct	-1037 Aug 05 j 01:36	15°♄23'58		minimum elong	-1031 Dec 15 j 04:31	14°♄45'04	0°12'19
				behind sun begin	-1031 Dec 15 j 00:06	14°♄44'26	
conjunction	-1037 Nov 21 j 00:53	19°♄32'47	0°07'19	behind sun end	-1031 Dec 15 j 08:56	14°♄45'42	
minimum elong	-1037 Nov 21 j 00:53	19°♄32'47	0°07'17	max. Earth dist.	-1031 Dec 16 j 04:23	14°♄48'35	20.67449 AU
behind sun begin	-1037 Nov 20 j 18:52	19°♄31'54		retrograde	-1030 Apr 03 j 00:41	18°♄49'46	
behind sun end	-1037 Nov 21 j 06:54	19°♄33'40		opposition	-1030 Jun 19 j 15:50	16°♄50'35	0°-15'-18
max. Earth dist.	-1037 Nov 21 j 15:39	19°♄35'00	20.27601 AU	min. Earth dist.	-1030 Jun 18 j 15:21	16°♄53'02	18.70469 AU
retrograde	-1036 Mar 07 j 22:06	23°♄41'44		direct	-1030 Sep 04 j 04:33	14°♄52'48	
opposition	-1036 May 23 j 19:12	21°♄41'50	0°06'13				
min. Earth dist.	-1036 May 23 j 03:06	21°♄43'28	18.31006 AU	conjunction	-1030 Dec 19 j 11:24	18°♄52'02	0°-15'-21
direct	-1036 Aug 08 j 19:06	19°♄41'45		minimum elong	-1030 Dec 19 j 11:24	18°♄52'02	0°15'24
				behind sun begin	-1030 Dec 19 j 09:14	18°♄51'43	
conjunction	-1036 Nov 24 j 11:07	23°♄49'01	0°04'01	behind sun end	-1030 Dec 19 j 13:35	18°♄52'21	
minimum elong	-1036 Nov 24 j 11:07	23°♄49'01	0°04'01	max. Earth dist.	-1030 Dec 20 j 12:45	18°♄55'46	20.73369 AU
behind sun begin	-1036 Nov 24 j 04:39	23°♄48'04		retrograde	-1029 Apr 07 j 09:40	22°♄56'10	
behind sun end	-1036 Nov 24 j 17:34	23°♄49'57		min. Earth dist.	-1029 Jun 23 j 04:38	20°♄59'31	18.76211 AU
max. Earth dist.	-1036 Nov 25 j 04:04	23°♄51'33	20.34433 AU	opposition	-1029 Jun 24 j 04:52	20°♄57'05	0°-18'-38
retrograde	-1035 Mar 12 j 10:31	27°♄57'09		direct	-1029 Sep 08 j 14:52	18°♄59'37	
opposition	-1035 May 28 j 12:41	25°♄57'20	0°02'32				
min. Earth dist.	-1035 May 27 j 19:44	25°♄59'03	18.37851 AU	conjunction	-1029 Dec 23 j 17:48	22°♄57'44	0°-18'-20
direct	-1035 Aug 13 j 10:11	23°♄57'38		minimum elong	-1029 Dec 23 j 17:48	22°♄57'44	0°18'21
				max. Earth dist.	-1029 Dec 24 j 19:09	23°♄01'27	20.78911 AU
conjunction	-1035 Nov 28 j 20:29	28°♄03'23	0°00'40	retrograde	-1028 Apr 10 j 21:12	27°♄01'20	
minimum elong	-1035 Nov 28 j 20:30	28°♄03'23	0°00'38	opposition	-1028 Jun 27 j 17:08	25°♄02'19	0°-21'-52
behind sun begin	-1035 Nov 28 j 14:00	28°♄02'26		min. Earth dist.	-1028 Jun 26 j 15:32	25°♄04'53	18.81546 AU
behind sun end	-1035 Nov 29 j 03:01	28°♄04'20		direct	-1028 Sep 12 j 02:02	23°♄05'07	
max. Earth dist.	-1035 Nov 29 j 14:56	28°♄06'09	20.41274 AU				
	-1034 Jan 01 j 13:18	0°♄		conjunction	-1028 Dec 26 j 23:58	27°♄02'12	0°-21'-11
desc. node	-1034 Feb 08 j 05:50	1°♄36'39		minimum elong	-1028 Dec 26 j 23:58	27°♄02'12	0°21'14
retrograde	-1034 Mar 17 j 00:49	2°♄10'45		max. Earth dist.	-1028 Dec 28 j 02:30	27°♄06'04	20.84012 AU
min. Earth dist.	-1034 Jun 01 j 09:26	0°♄13'02	18.44668 AU				
opposition	-1034 Jun 02 j 05:09	0°♄11'03	0°-1'-7	retrograde	-1027 Feb 21 j 21:12	0°♄	
	-1034 Jun 06 j 18:29	30°♄					
direct	-1034 Aug 18 j 01:20	28°♄11'44		min. Earth dist.	-1027 Jul 01 j 03:43	29°♄08'49	18.86423 AU
	-1034 Oct 24 j 00:29	0°♄		opposition	-1027 Jul 02 j 04:52	29°♄06'18	0°-24'-59
				direct	-1027 Sep 16 j 11:11	27°♄09'19	
conjunction	-1034 Dec 03 j 05:25	2°♄16'03	0°-2'-42		-1027 Dec 12 j 07:15	0°♄	
minimum elong	-1034 Dec 03 j 05:24	2°♄16'03	0°02'44	conjunction	-1027 Dec 31 j 05:42	1°♄05'24	0°-23'-56
behind sun begin	-1034 Dec 02 j 22:53	2°♄15'06		minimum elong	-1027 Dec 31 j 05:41	1°♄05'24	0°23'58
behind sun end	-1034 Dec 03 j 11:55	2°♄17'00		max. Earth dist.	-1026 Jan 01 j 07:55	1°♄09'13	20.88663 AU
max. Earth dist.	-1034 Dec 04 j 01:52	2°♄19'06	20.48048 AU	retrograde	-1026 Apr 19 j 15:26	5°♄08'00	
retrograde	-1033 Mar 21 j 11:51	6°♄22'41		opposition	-1026 Jul 06 j 15:49	3°♄09'01	0°-27'-56
opposition	-1033 Jun 06 j 20:51	4°♄23'07	0°-4'-45	min. Earth dist.	-1026 Jul 05 j 13:39	3°♄11'37	18.90842 AU
min. Earth dist.	-1033 Jun 06 j 00:42	4°♄25'09	18.51400 AU	direct	-1026 Sep 20 j 20:44	1°♄12'12	
direct	-1033 Aug 22 j 14:52	2°♄24'12					
				conjunction	-1025 Jan 04 j 11:09	5°♄07'21	0°-26'-33
conjunction	-1033 Dec 07 j 13:38	6°♄27'09	0°-5'-58	minimum elong	-1025 Jan 04 j 11:09	5°♄07'21	0°26'35
minimum elong	-1033 Dec 07 j 13:38	6°♄27'09	0°05'59	max. Earth dist.	-1025 Jan 05 j 14:27	5°♄11'19	20.92842 AU
behind sun begin	-1033 Dec 07 j 07:24	6°♄26'15		retrograde	-1025 Apr 23 j 22:49	9°♄09'30	
behind sun end	-1033 Dec 07 j 19:51	6°♄28'04		min. Earth dist.	-1025 Jul 10 j 00:22	7°♄13'03	18.94806 AU
max. Earth dist.	-1033 Dec 08 j 11:05	6°♄30'21	20.54719 AU				

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Attention, astronomical year style is used: The year -1025 in astronomical counting style is the year 1026 BCE in historical counting style.

opposition	-1025 Jul 11 j 02:02	7°☾10'29	0°-30'-45	min. Earth dist.	-1017 Aug 11 j 17:20	8°≈56'46	19.12872 AU
direct	-1025 Sep 25 j 04:45	5°☾13'48		direct	-1017 Oct 27 j 02:22	6°≈58'22	
conjunction	-1024 Jan 08 j 16:11	9°☾08'06	0°-29'-1	conjunction	-1016 Feb 09 j 06:08	10°≈49'27	0°-42'-42
minimum elong	-1024 Jan 08 j 16:11	9°☾08'06	0°29'03	minimum elong	-1016 Feb 09 j 06:08	10°≈49'27	0°42'44
max. Earth dist.	-1024 Jan 09 j 19:07	9°☾12'00	20.96607 AU	max. Earth dist.	-1016 Feb 10 j 08:17	10°≈53'11	21.13043 AU
retrograde	-1024 Apr 27 j 07:32	13°☾09'52		retrograde	-1016 May 29 j 22:00	14°≈50'24	
min. Earth dist.	-1024 Jul 13 j 09:06	11°☾13'27	18.98379 AU	min. Earth dist.	-1016 Aug 15 j 00:36	12°≈53'44	19.13171 AU
opposition	-1024 Jul 14 j 11:44	11°☾10'48	0°-33'-23	opposition	-1016 Aug 16 j 00:49	12°≈51'18	0°-47'-41
direct	-1024 Sep 28 j 12:34	9°☾14'13		direct	-1016 Oct 30 j 06:25	10°≈55'25	
conjunction	-1023 Jan 11 j 20:57	13°☾07'46	0°-31'-20	conjunction	-1015 Feb 12 j 11:41	14°≈46'34	0°-43'-34
minimum elong	-1023 Jan 11 j 20:57	13°☾07'46	0°31'21	minimum elong	-1015 Feb 12 j 11:41	14°≈46'34	0°43'36
max. Earth dist.	-1023 Jan 13 j 01:04	13°☾11'49	20.99978 AU	max. Earth dist.	-1015 Feb 13 j 13:41	14°≈50'15	21.13050 AU
retrograde	-1023 May 01 j 14:45	17°☾09'11			-1015 Feb 16 j 10:10	15°≈	
opposition	-1023 Jul 18 j 20:53	15°☾10'05	0°-35'-51	retrograde	-1015 Jun 03 j 05:13	18°≈47'40	
min. Earth dist.	-1023 Jul 17 j 18:37	15°☾12'42	19.01573 AU	min. Earth dist.	-1015 Aug 19 j 08:32	16°≈50'51	19.12882 AU
direct	-1023 Oct 02 j 19:17	13°☾13'37		opposition	-1015 Aug 20 j 07:20	16°≈48'33	0°-48'-31
conjunction	-1022 Jan 16 j 01:38	17°☾06'29	0°-33'-29		-1015 Oct 17 j 10:24	15°R≈	
minimum elong	-1022 Jan 16 j 01:38	17°☾06'29	0°33'31	direct	-1015 Nov 03 j 11:09	14°≈52'40	
max. Earth dist.	-1022 Jan 17 j 05:13	17°☾10'27	21.03000 AU		-1015 Nov 20 j 07:24	15°≈	
retrograde	-1022 May 05 j 23:00	21°☾07'38		conjunction	-1014 Feb 16 j 17:35	18°≈43'55	0°-44'-14
min. Earth dist.	-1022 Jul 22 j 02:19	19°☾11'11	19.04425 AU	minimum elong	-1014 Feb 16 j 17:35	18°≈43'55	0°44'14
opposition	-1022 Jul 23 j 05:16	19°☾08'30	0°-38'-8	max. Earth dist.	-1014 Feb 17 j 17:26	18°≈47'18	21.12473 AU
direct	-1022 Oct 07 j 01:39	17°☾12'07		retrograde	-1014 Jun 07 j 14:08	22°≈45'13	
conjunction	-1021 Jan 20 j 06:16	21°☾04'28	0°-35'-28	opposition	-1014 Aug 24 j 13:33	20°≈46'03	0°-49'-8
minimum elong	-1021 Jan 20 j 06:16	21°☾04'28	0°35'29	min. Earth dist.	-1014 Aug 23 j 15:48	20°≈48'14	19.12003 AU
max. Earth dist.	-1021 Jan 21 j 10:46	21°☾08'33	21.05662 AU	direct	-1014 Nov 07 j 15:04	18°≈50'04	
retrograde	-1021 May 10 j 05:52	25°☾05'23		conjunction	-1013 Feb 20 j 23:51	22°≈41'32	0°-44'-41
min. Earth dist.	-1021 Jul 26 j 10:53	23°☾08'54	19.06910 AU	minimum elong	-1013 Feb 20 j 23:51	22°≈41'32	0°44'42
opposition	-1021 Jul 27 j 13:21	23°☾06'15	0°-40'-13	max. Earth dist.	-1013 Feb 21 j 23:12	22°≈44'50	21.11288 AU
direct	-1021 Oct 11 j 07:01	21°☾10'00		retrograde	-1013 Jun 11 j 21:22	26°≈43'04	
conjunction	-1020 Jan 24 j 10:38	25°☾01'52	0°-37'-17	opposition	-1013 Aug 28 j 19:45	24°≈43'48	0°-49'-30
minimum elong	-1020 Jan 24 j 10:38	25°☾01'52	0°37'19	min. Earth dist.	-1013 Aug 27 j 23:28	24°≈45'50	19.10520 AU
max. Earth dist.	-1020 Jan 25 j 14:25	25°☾05'51	21.07973 AU	direct	-1013 Nov 11 j 19:46	22°≈47'42	
retrograde	-1020 May 13 j 14:31	29°☾02'40		conjunction	-1012 Feb 25 j 06:09	26°≈39'25	0°-44'-54
opposition	-1020 Jul 30 j 21:04	27°☾03'32	0°-42'-7	minimum elong	-1012 Feb 25 j 06:09	26°≈39'25	0°44'55
min. Earth dist.	-1020 Jul 29 j 18:11	27°☾06'13	19.09037 AU	max. Earth dist.	-1012 Feb 26 j 03:19	26°≈42'25	21.09543 AU
direct	-1020 Oct 14 j 12:33	25°☾07'22			-1012 May 04 j 11:47	0°✠	
conjunction	-1019 Jan 27 j 15:17	28°☾58'54	0°-38'-55	retrograde	-1012 Jun 15 j 06:37	0°✠41'15	
minimum elong	-1019 Jan 27 j 15:17	28°☾58'54	0°38'56		-1012 Jul 27 j 20:57	30°R≈	
max. Earth dist.	-1019 Jan 28 j 19:49	29°☾02'58	21.09898 AU	min. Earth dist.	-1012 Aug 31 j 06:42	28°≈43'46	19.08507 AU
retrograde	-1019 Feb 14 j 15:03	0°≈		opposition	-1012 Sep 01 j 01:51	28°≈41'50	0°-49'-38
min. Earth dist.	-1019 May 17 j 21:16	2°≈59'38		direct	-1012 Nov 15 j 00:13	26°≈45'34	
opposition	-1019 Aug 03 j 02:16	1°≈03'08	19.10762 AU		-1011 Feb 17 j 11:18	0°✠	
direct	-1019 Aug 04 j 04:23	1°≈00'31	0°-43'-50	conjunction	-1011 Feb 28 j 13:06	0°✠37'39	0°-44'-55
conjunction	-1019 Oct 18 j 17:09	29°☾04'28		minimum elong	-1011 Feb 28 j 13:06	0°✠37'39	0°44'57
minimum elong	-1019 Dec 04 j 21:23	0°≈		max. Earth dist.	-1011 Mar 01 j 09:51	0°✠40'35	21.07273 AU
max. Earth dist.	-1018 Jan 31 j 19:59	2°≈55'44	0°-40'-22	retrograde	-1011 Jun 19 j 14:02	4°✠39'48	
retrograde	-1018 Jan 31 j 19:59	2°≈55'44	0°40'24	opposition	-1011 Sep 05 j 07:42	2°✠40'14	0°-49'-32
max. Earth dist.	-1018 Feb 01 j 23:24	2°≈59'39	21.11422 AU	min. Earth dist.	-1011 Sep 04 j 13:58	2°✠42'02	19.05996 AU
retrograde	-1018 May 22 j 06:15	6°≈56'29		direct	-1011 Nov 19 j 04:18	0°✠43'47	
min. Earth dist.	-1018 Aug 07 j 09:27	4°≈59'59	19.12063 AU	conjunction	-1010 Mar 04 j 20:20	4°✠36'18	0°-44'-43
opposition	-1018 Aug 08 j 11:25	4°≈57'23	0°-45'-19	minimum elong	-1010 Mar 04 j 20:20	4°✠36'18	0°44'44
direct	-1018 Oct 22 j 21:53	3°≈01'24		max. Earth dist.	-1010 Mar 05 j 14:49	4°✠38'55	21.04553 AU
conjunction	-1017 Feb 05 j 00:57	6°≈52'33	0°-41'-38	retrograde	-1010 Jun 23 j 23:42	8°✠38'50	
minimum elong	-1017 Feb 05 j 00:57	6°≈52'33	0°41'40	opposition	-1010 Sep 09 j 13:37	6°✠39'06	0°-49'-12
max. Earth dist.	-1017 Feb 06 j 04:41	6°≈56'30	21.12478 AU	min. Earth dist.	-1010 Sep 08 j 21:06	6°✠40'47	19.03064 AU
retrograde	-1017 May 26 j 13:02	10°≈53'21		direct	-1010 Nov 23 j 09:18	4°✠42'26	
opposition	-1017 Aug 12 j 18:10	8°≈54'16	0°-46'-37	conjunction	-1009 Mar 09 j 04:03	8°✠35'30	0°-44'-18
				minimum elong	-1009 Mar 09 j 04:03	8°✠35'30	0°44'19

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Attention, astronomical year style is used: The year -1009 in astronomical counting style is the year 1010 BCE in historical counting style.

max. Earth dist.	-1009 Mar 09 j 22:09	8°♃38'05	21.01414 AU	max. Earth dist.	-1001 Apr 11 j 21:22	11°♃08'15	20.64045 AU
retrograde	-1009 Jun 28 j 07:47	12°♃38'28		retrograde	-1001 Jul 31 j 23:30	15°♃16'03	
opposition	-1009 Sep 13 j 19:32	10°♃38'36	0°-48'-37	opposition	-1001 Oct 16 j 04:04	13°♃15'17	0°-35'-38
min. Earth dist.	-1009 Sep 13 j 04:19	10°♃40'10	18.99733 AU	min. Earth dist.	-1001 Oct 16 j 02:12	13°♃15'29	18.60930 AU
direct	-1009 Nov 27 j 13:18	8°♃41'43		direct	-1001 Dec 29 j 17:01	11°♃16'20	
conjunction	-1008 Mar 12 j 12:13	12°♃35'25	0°-43'-39	conjunction	-1000 Apr 15 j 08:17	15°♃18'21	0°-31'-2
minimum elong	-1008 Mar 12 j 12:13	12°♃35'25	0°43'41	minimum elong	-1000 Apr 15 j 08:17	15°♃18'21	0°31'02
max. Earth dist.	-1008 Mar 13 j 03:59	12°♃37'40	20.97919 AU	max. Earth dist.	-1000 Apr 15 j 08:08	15°♃18'20	20.57747 AU
retrograde	-1008 Jul 01 j 17:46	16°♃38'53		retrograde	-1000 Aug 04 j 12:13	19°♃27'27	
min. Earth dist.	-1008 Sep 16 j 11:41	14°♃40'18	18.96069 AU	opposition	-1000 Oct 19 j 12:59	17°♃26'31	0°-33'00
opposition	-1008 Sep 17 j 01:35	14°♃38'52	0°-47'-48	min. Earth dist.	-1000 Oct 19 j 13:35	17°♃26'27	18.54459 AU
direct	-1008 Nov 30 j 18:35	12°♃41'46		direct	-999 Jan 02 j 01:52	15°♃27'09	
conjunction	-1007 Mar 16 j 21:07	16°♃36'12	0°-42'-49	conjunction	-999 Apr 19 j 23:40	19°♃30'32	0°-28'-34
minimum elong	-1007 Mar 16 j 21:07	16°♃36'12	0°42'49	minimum elong	-999 Apr 19 j 23:41	19°♃30'32	0°28'35
max. Earth dist.	-1007 Mar 17 j 12:24	16°♃38'23	20.94083 AU	max. Earth dist.	-999 Apr 19 j 22:17	19°♃30'20	20.51118 AU
retrograde	-1007 Jul 06 j 03:09	20°♃40'12		retrograde	-999 Aug 09 j 01:48	23°♃40'26	
opposition	-1007 Sep 21 j 07:49	18°♃40'05	0°-46'-45	opposition	-999 Oct 23 j 22:21	21°♃39'19	0°-30'-11
min. Earth dist.	-1007 Sep 20 j 19:15	18°♃41'22	18.92060 AU	min. Earth dist.	-999 Oct 24 j 00:26	21°♃39'06	18.47680 AU
direct	-1007 Dec 04 j 23:34	16°♃42'45		direct	-998 Jan 06 j 12:09	19°♃39'33	
conjunction	-1006 Mar 21 j 06:34	20°♃38'01	0°-41'-45	conjunction	-998 Apr 24 j 15:36	23°♃44'18	0°-25'-56
minimum elong	-1006 Mar 21 j 06:34	20°♃38'01	0°41'46	minimum elong	-998 Apr 24 j 15:37	23°♃44'18	0°25'56
max. Earth dist.	-1006 Mar 21 j 19:14	20°♃39'49	20.89927 AU	max. Earth dist.	-998 Apr 24 j 10:45	23°♃43'36	20.44224 AU
retrograde	-1006 Jul 10 j 13:25	24°♃42'38		retrograde	-998 Aug 13 j 15:24	27°♃55'02	
opposition	-1006 Sep 25 j 14:12	22°♃42'24	0°-45'-28	opposition	-998 Oct 28 j 08:12	25°♃53'43	0°-27'-11
min. Earth dist.	-1006 Sep 25 j 03:15	22°♃43'31	18.87743 AU	min. Earth dist.	-998 Oct 28 j 12:43	25°♃53'14	18.40689 AU
direct	-1006 Dec 09 j 04:47	20°♃44'50		direct	-997 Jan 10 j 22:32	23°♃53'30	
conjunction	-1005 Mar 25 j 16:50	24°♃41'02	0°-40'-29	conjunction	-997 Apr 29 j 08:31	27°♃59'43	0°-23'-8
minimum elong	-1005 Mar 25 j 16:50	24°♃41'02	0°40'29	minimum elong	-997 Apr 29 j 08:31	27°♃59'43	0°23'08
max. Earth dist.	-1005 Mar 26 j 04:51	24°♃42'45	20.85449 AU	max. Earth dist.	-997 Apr 29 j 02:41	27°♃58'52	20.37154 AU
retrograde	-1005 Jul 15 j 00:14	28°♃46'19			-997 Jun 03 j 23:12	0°♃	
opposition	-1005 Sep 29 j 20:58	26°♃45'59	0°-43'-58	retrograde	-997 Aug 18 j 05:59	2°♃11'17	
min. Earth dist.	-1005 Sep 29 j 11:27	26°♃46'58	18.83097 AU	opposition	-997 Nov 01 j 18:34	0°♃09'47	0°-24'00
direct	-1005 Dec 13 j 11:08	24°♃48'13		min. Earth dist.	-997 Nov 02 j 00:13	0°♃09'11	18.33554 AU
conjunction	-1004 Mar 29 j 03:38	28°♃45'25	0°-39'00	direct	-997 Nov 05 j 14:50	30°♃	
minimum elong	-1004 Mar 29 j 03:38	28°♃45'25	0°39'01		-996 Jan 15 j 10:08	28°♃09'07	
max. Earth dist.	-1004 Mar 29 j 12:46	28°♃46'44	20.80653 AU		-996 Mar 23 j 02:31	0°♃	
	-1004 Apr 20 j 03:39	0°♃		conjunction	-996 May 03 j 02:00	2°♃16'49	0°-20'-12
retrograde	-1004 Jul 18 j 11:01	2°♃51'25		minimum elong	-996 May 03 j 02:00	2°♃16'49	0°20'12
opposition	-1004 Oct 03 j 04:09	0°♃51'00	0°-42'-13	max. Earth dist.	-996 May 02 j 17:00	2°♃15'30	20.29981 AU
min. Earth dist.	-1004 Oct 02 j 20:35	0°♃51'47	18.78127 AU	retrograde	-996 Aug 21 j 20:33	6°♃29'15	
	-1004 Oct 24 j 09:16	30°♃		opposition	-996 Nov 05 j 05:36	4°♃27'34	0°-20'-41
direct	-1004 Dec 16 j 16:57	28°♃52'58		min. Earth dist.	-996 Nov 05 j 13:37	4°♃26'43	18.26361 AU
	-1003 Feb 06 j 13:59	0°♃		direct	-995 Jan 18 j 21:57	2°♃26'28	
conjunction	-1003 Apr 02 j 15:38	2°♃51'18	0°-37'-18	conjunction	-995 May 07 j 20:37	6°♃35'43	0°-17'-8
minimum elong	-1003 Apr 02 j 15:38	2°♃51'18	0°37'19	minimum elong	-995 May 07 j 20:37	6°♃35'43	0°17'07
max. Earth dist.	-1003 Apr 02 j 23:45	2°♃52'27	20.75500 AU	max. Earth dist.	-995 May 07 j 10:45	6°♃34'16	20.22775 AU
retrograde	-1003 Jul 22 j 23:04	6°♃58'01		retrograde	-995 Aug 26 j 12:39	10°♃49'00	
opposition	-1003 Oct 07 j 11:32	4°♃57'31	0°-40'-14	opposition	-995 Nov 09 j 17:05	8°♃47'10	0°-17'-13
min. Earth dist.	-1003 Oct 07 j 05:43	4°♃58'08	18.72781 AU	min. Earth dist.	-995 Nov 10 j 02:00	8°♃46'13	18.19160 AU
direct	-1003 Dec 21 j 00:42	2°♃59'14		direct	-994 Jan 23 j 11:16	6°♃45'38	
conjunction	-1002 Apr 07 j 04:22	6°♃58'44	0°-35'-25	conjunction	-994 May 12 j 15:55	10°♃56'28	0°-13'-57
minimum elong	-1002 Apr 07 j 04:22	6°♃58'44	0°35'25	minimum elong	-994 May 12 j 15:55	10°♃56'28	0°13'58
max. Earth dist.	-1002 Apr 07 j 09:03	6°♃59'24	20.69972 AU	behind sun begin	-994 May 12 j 12:41	10°♃56'00	
retrograde	-1002 Jul 27 j 10:41	11°♃06'15		behind sun end	-994 May 12 j 19:09	10°♃56'56	
opposition	-1002 Oct 11 j 19:35	9°♃05'37	0°-38'-2	max. Earth dist.	-994 May 12 j 03:07	10°♃54'35	20.15599 AU
min. Earth dist.	-1002 Oct 11 j 16:05	9°♃05'59	18.67057 AU		-994 Aug 11 j 02:23	15°♃	
direct	-1002 Dec 25 j 07:57	7°♃07'01		retrograde	-994 Aug 31 j 04:24	15°♃10'39	
conjunction	-1001 Apr 11 j 17:55	11°♃07'45	0°-33'-19	opposition	-994 Nov 14 j 05:31	13°♃08'41	0°-13'-38
minimum elong	-1001 Apr 11 j 17:55	11°♃07'45	0°33'20	min. Earth dist.	-994 Nov 14 j 16:42	13°♃07'30	18.12033 AU

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Attention, astronomical year style is used: The year -993 in astronomical counting style is the year 994 BCE in historical counting style.

direct	-993 Jan 28 j 00:09	11°♄06'44		conjunction	-987 Jun 14 j 07:51	12°♄19'41	0°10'16
	-993 May 12 j 02:55	15°♄		minimum elong	-987 Jun 14 j 07:51	12°♄19'41	0°10'17
conjunction	-993 May 17 j 12:01	15°♄19'11	0°-10'-40	behind sun begin	-987 Jun 14 j 02:32	12°♄18'53	
minimum elong	-993 May 17 j 12:01	15°♄19'11	0°10'40	behind sun end	-987 Jun 14 j 13:09	12°♄20'28	
behind sun begin	-993 May 17 j 06:52	15°♄18'26		retrograde	-987 Oct 01 j 22:43	16°♄39'45	
behind sun end	-993 May 17 j 17:11	15°♄19'56		opposition	-987 Dec 14 j 18:04	14°♄37'24	0°13'18
max. Earth dist.	-993 May 16 j 22:31	15°♄17'11	20.08523 AU	min. Earth dist.	-987 Dec 15 j 14:43	14°♄35'09	17.65911 AU
retrograde	-993 Sep 04 j 22:41	19°♄34'16		direct	-986 Feb 27 j 23:36	12°♄32'54	
opposition	-993 Nov 18 j 18:33	17°♄32'12	0°-9'-57	max. Earth dist.	-986 Jun 18 j 07:48	16°♄52'39	19.62891 AU
min. Earth dist.	-993 Nov 19 j 06:19	17°♄30'56	18.05014 AU	conjunction	-986 Jun 19 j 09:51	16°♄56'38	0°13'43
direct	-992 Feb 01 j 15:13	15°♄29'52		minimum elong	-986 Jun 19 j 09:51	16°♄56'38	0°13'44
conjunction	-992 May 21 j 09:07	19°♄43'57	0°-7'-19	behind sun begin	-986 Jun 19 j 06:24	16°♄56'07	
minimum elong	-992 May 21 j 09:07	19°♄43'57	0°07'20	behind sun end	-986 Jun 19 j 13:17	16°♄57'08	
behind sun begin	-992 May 21 j 02:55	19°♄43'03		retrograde	-986 Oct 06 j 19:27	21°♄17'21	
behind sun end	-992 May 21 j 15:18	19°♄44'51		opposition	-986 Dec 19 j 13:02	19°♄14'55	0°17'08
max. Earth dist.	-992 May 20 j 16:56	19°♄41'33	20.01572 AU	min. Earth dist.	-986 Dec 20 j 11:46	19°♄12'26	17.59967 AU
retrograde	-992 Sep 08 j 15:54	23°♄59'56		direct	-985 Mar 04 j 20:08	17°♄10'03	
opposition	-992 Nov 22 j 08:22	21°♄57'49	0°-6'-10	max. Earth dist.	-985 Jun 23 j 08:31	21°♄30'55	19.57083 AU
min. Earth dist.	-992 Nov 22 j 22:32	21°♄56'17	17.98145 AU	conjunction	-985 Jun 24 j 12:09	21°♄35'10	0°17'07
direct	-991 Feb 05 j 05:20	19°♄55'06		minimum elong	-985 Jun 24 j 12:09	21°♄35'10	0°17'08
conjunction	-991 May 26 j 07:16	24°♄10'53	0°-3'-53	retrograde	-985 Oct 11 j 17:48	25°♄56'31	
minimum elong	-991 May 26 j 07:15	24°♄10'52	0°03'54	opposition	-985 Dec 24 j 08:34	23°♄53'59	0°20'52
behind sun begin	-991 May 26 j 00:33	24°♄09'54		min. Earth dist.	-985 Dec 25 j 07:25	23°♄51'29	17.54308 AU
behind sun end	-991 May 26 j 13:58	24°♄11'51		direct	-984 Mar 08 j 19:15	21°♄48'45	
max. Earth dist.	-991 May 25 j 14:04	24°♄08'19	19.94779 AU	max. Earth dist.	-984 Jun 27 j 11:08	26°♄10'52	19.51578 AU
retrograde	-991 Sep 13 j 12:13	28°♄27'44		conjunction	-984 Jun 28 j 15:13	26°♄15'12	0°20'25
opposition	-991 Nov 26 j 22:58	26°♄25'35	0°-2'-19	minimum elong	-984 Jun 28 j 15:13	26°♄15'11	0°20'25
min. Earth dist.	-991 Nov 27 j 13:43	26°♄23'59	17.91421 AU		-984 Sep 08 j 18:55	0°♄	
direct	-990 Feb 09 j 21:54	24°♄22'32		retrograde	-984 Oct 15 j 15:26	0°♄37'03	
max. Earth dist.	-990 May 30 j 10:29	28°♄37'02	19.88118 AU		-984 Nov 22 j 02:29	30°♄♄	
conjunction	-990 May 31 j 06:05	28°♄39'58	0°00'-21	opposition	-984 Dec 28 j 04:52	28°♄34'28	0°24'29
minimum elong	-990 May 31 j 06:04	28°♄39'58	0°00'20	min. Earth dist.	-984 Dec 29 j 05:23	28°♄31'47	17.48994 AU
behind sun begin	-990 May 30 j 23:18	28°♄38'59		direct	-983 Mar 13 j 17:53	26°♄28'52	
behind sun end	-990 May 31 j 12:50	28°♄40'57		-983 Jun 18 j 10:52	0°♄		
asc. node	-990 Jun 22 j 17:23	0°♄		conjunction	-983 Jul 03 j 18:31	0°♄56'33	0°23'35
retrograde	-990 Jul 06 j 13:32	0°♄46'01		minimum elong	-983 Jul 03 j 18:31	0°♄56'33	0°23'36
opposition	-990 Sep 18 j 07:12	2°♄57'42		max. Earth dist.	-983 Jul 02 j 12:54	0°♄51'58	19.46470 AU
min. Earth dist.	-990 Dec 01 j 14:33	0°♄55'31	0°01'34	retrograde	-983 Oct 20 j 14:28	5°♄18'54	
direct	-990 Dec 02 j 07:46	0°♄53'39	17.84840 AU	opposition	-982 Jan 02 j 01:53	3°♄16'14	0°27'57
max. Earth dist.	-989 Feb 14 j 14:00	30°♄♄		min. Earth dist.	-982 Jan 03 j 02:14	3°♄13'34	17.44113 AU
conjunction	-989 Apr 07 j 06:26	0°♄		direct	-982 Mar 18 j 18:42	1°♄10'18	
retrograde	-989 Jun 04 j 08:57	3°♄08'03	19.81604 AU	conjunction	-982 Jul 08 j 22:03	5°♄39'07	0°26'37
conjunction	-989 Jun 05 j 05:53	3°♄11'12	0°03'15	minimum elong	-982 Jul 08 j 22:03	5°♄39'07	0°26'37
minimum elong	-989 Jun 05 j 05:52	3°♄11'12	0°03'15	max. Earth dist.	-982 Jul 07 j 17:04	5°♄34'37	19.41815 AU
behind sun begin	-989 Jun 04 j 23:07	3°♄10'13		retrograde	-982 Oct 25 j 13:05	10°♄01'54	
behind sun end	-989 Jun 05 j 12:37	3°♄12'12		opposition	-981 Jan 06 j 23:44	7°♄59'11	0°31'15
retrograde	-989 Sep 23 j 04:34	7°♄29'46		min. Earth dist.	-981 Jan 08 j 00:57	7°♄56'25	17.39722 AU
opposition	-989 Dec 06 j 06:47	5°♄27'33	0°05'30	direct	-981 Mar 23 j 18:44	5°♄52'58	
min. Earth dist.	-989 Dec 07 j 00:34	5°♄25'37	17.78391 AU	max. Earth dist.	-981 Jul 12 j 19:35	10°♄18'06	19.37699 AU
direct	-988 Feb 19 j 08:20	3°♄23'48		conjunction	-981 Jul 14 j 01:46	10°♄22'49	0°29'28
max. Earth dist.	-988 Jun 08 j 07:27	7°♄41'00	19.75207 AU	minimum elong	-981 Jul 14 j 01:46	10°♄22'49	0°29'28
conjunction	-988 Jun 09 j 06:30	7°♄44'30	0°06'46	retrograde	-981 Oct 30 j 12:55	14°♄45'58	
minimum elong	-988 Jun 09 j 06:30	7°♄44'30	0°06'48	opposition	-980 Jan 11 j 22:00	12°♄43'13	0°34'20
behind sun begin	-988 Jun 09 j 00:11	7°♄43'34		min. Earth dist.	-980 Jan 12 j 22:53	12°♄40'30	17.35905 AU
behind sun end	-988 Jun 09 j 12:48	7°♄45'26		direct	-980 Mar 27 j 20:33	10°♄36'46	
retrograde	-988 Sep 27 j 00:45	12°♄03'50		max. Earth dist.	-980 Jul 17 j 00:57	15°♄03'02	19.34174 AU
opposition	-988 Dec 10 j 00:08	10°♄01'33	0°09'25	conjunction	-980 Jul 18 j 05:55	15°♄07'34	0°32'08
min. Earth dist.	-988 Dec 10 j 20:23	9°♄59'21	17.72072 AU	minimum elong	-980 Jul 18 j 05:55	15°♄07'34	0°32'09
direct	-987 Feb 23 j 02:40	7°♄57'26		retrograde	-980 Nov 03 j 12:48	19°♄31'02	
max. Earth dist.	-987 Jun 13 j 07:08	12°♄15'55	19.68961 AU	opposition	-979 Jan 15 j 21:12	17°♄28'19	0°37'12

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Attention, astronomical year style is used: The year -979 in astronomical counting style is the year 980 BCE in historical counting style.

min. Earth dist.	-979 Jan 16 j 22:16	17°♄25'34	17.32689 AU	max. Earth dist.	-972 Aug 25 j 13:13	23°♃27'21	19.27480 AU
direct	-979 Apr 01 j 21:58	15°♄21'43		retrograde	-972 Dec 11 j 20:54	27°♃54'31	
max. Earth dist.	-979 Jul 22 j 04:10	19°♄48'39	19.31278 AU	opposition	-971 Feb 23 j 09:39	25°♃52'37	0°49'48
conjunction	-979 Jul 23 j 09:57	19°♄53'19	0°34'36	min. Earth dist.	-971 Feb 24 j 05:30	25°♃50'28	17.28223 AU
minimum elong	-979 Jul 23 j 09:57	19°♄53'19	0°34'36	direct	-971 May 11 j 04:59	23°♃46'16	
retrograde	-979 Nov 08 j 13:24	24°♄17'04		conjunction	-971 Aug 31 j 15:16	28°♃19'09	0°44'43
opposition	-978 Jan 20 j 20:57	22°♄14'25	0°39'50	minimum elong	-971 Aug 31 j 15:16	28°♃19'09	0°44'43
min. Earth dist.	-978 Jan 21 j 21:37	22°♄11'43	17.30123 AU	max. Earth dist.	-971 Aug 30 j 17:21	28°♃15'41	19.29011 AU
direct	-978 Apr 07 j 00:12	20°♄07'42			-971 Sep 27 j 18:03	0°♄	
max. Earth dist.	-978 Jul 27 j 10:06	24°♄35'36	19.29031 AU	retrograde	-971 Dec 16 j 19:26	2°♄42'10	
conjunction	-978 Jul 28 j 14:14	24°♄40'02	0°36'49	opposition	-970 Feb 28 j 12:42	0°♄40'20	0°49'52
minimum elong	-978 Jul 28 j 14:14	24°♄40'02	0°36'50	min. Earth dist.	-970 Mar 01 j 08:17	0°♄38'13	17.30012 AU
retrograde	-978 Nov 13 j 14:40	29°♄03'58			-970 Mar 16 j 09:03	30°♃♄	
opposition	-977 Jan 25 j 21:20	27°♄01'26	0°42'11	direct	-970 May 16 j 09:01	28°♃34'05	
min. Earth dist.	-977 Jan 26 j 21:34	26°♄58'47	17.28187 AU		-970 Jul 13 j 18:21	0°♄	
direct	-977 Apr 12 j 02:41	24°♄54'42		conjunction	-970 Sep 05 j 16:56	3°♄06'23	0°44'38
conjunction	-977 Aug 02 j 18:23	29°♄27'35	0°38'48	minimum elong	-970 Sep 05 j 16:56	3°♄06'23	0°44'39
minimum elong	-977 Aug 02 j 18:23	29°♄27'35	0°38'49	max. Earth dist.	-970 Sep 04 j 20:06	3°♄03'05	19.31072 AU
max. Earth dist.	-977 Aug 01 j 13:48	29°♄23'05	19.27405 AU	retrograde	-970 Dec 21 j 20:15	7°♄28'54	
retrograde	-977 Aug 11 j 08:20	0°♃		opposition	-969 Mar 05 j 15:24	5°♄27'07	0°49'36
opposition	-977 Nov 18 j 15:47	3°♃51'40		min. Earth dist.	-969 Mar 06 j 08:33	5°♄25'16	17.32331 AU
min. Earth dist.	-976 Jan 30 j 22:19	1°♃49'16	0°44'16	direct	-969 May 21 j 15:17	3°♄21'00	
max. Earth dist.	-976 Jan 31 j 22:27	1°♃46'37	17.26865 AU	conjunction	-969 Sep 10 j 17:59	7°♄52'34	0°44'14
direct	-976 Mar 21 j 07:33	30°♃♄		minimum elong	-969 Sep 10 j 17:59	7°♄52'34	0°44'14
conjunction	-976 Aug 06 j 22:40	4°♃15'52	0°40'32	max. Earth dist.	-969 Sep 09 j 23:44	7°♄49'41	19.33661 AU
minimum elong	-976 Aug 06 j 22:40	4°♃15'52	0°40'32	retrograde	-969 Dec 26 j 18:35	12°♄14'31	
max. Earth dist.	-976 Aug 05 j 19:37	4°♃11'35	19.26367 AU	opposition	-968 Mar 09 j 18:18	10°♄12'47	0°48'58
retrograde	-976 Nov 22 j 17:56	8°♃39'58		min. Earth dist.	-968 Mar 10 j 10:47	10°♄11'01	17.35192 AU
opposition	-975 Feb 03 j 23:47	6°♃37'42	0°46'02	direct	-968 May 25 j 18:49	8°♄06'50	
min. Earth dist.	-975 Feb 04 j 23:02	6°♃35'10	17.26096 AU	conjunction	-968 Sep 14 j 18:01	12°♄37'31	0°43'31
direct	-975 Apr 21 j 09:10	4°♃31'01		minimum elong	-968 Sep 14 j 18:01	12°♄37'31	0°43'32
max. Earth dist.	-975 Aug 10 j 23:47	9°♃00'21	19.25870 AU	max. Earth dist.	-968 Sep 14 j 00:58	12°♄34'49	19.36813 AU
conjunction	-975 Aug 12 j 02:44	9°♃04'36	0°41'58	retrograde	-968 Dec 30 j 18:31	16°♄58'51	
minimum elong	-975 Aug 12 j 02:44	9°♃04'36	0°41'59	opposition	-967 Mar 14 j 20:53	14°♄57'11	0°48'01
retrograde	-975 Nov 27 j 18:19	13°♃28'41		min. Earth dist.	-967 Mar 15 j 10:31	14°♄55'44	17.38628 AU
opposition	-974 Feb 09 j 01:55	11°♃26'32	0°47'29	direct	-967 May 30 j 23:17	12°♄51'26	
min. Earth dist.	-974 Feb 10 j 01:10	11°♃24'00	17.25876 AU	conjunction	-967 Sep 19 j 17:25	17°♄21'07	0°42'32
direct	-974 Apr 26 j 11:54	9°♃19'54		minimum elong	-967 Sep 19 j 17:25	17°♄21'07	0°42'32
max. Earth dist.	-974 Aug 16 j 04:51	13°♃49'31	19.25909 AU	max. Earth dist.	-967 Sep 19 j 03:40	17°♄18'57	19.40542 AU
conjunction	-974 Aug 17 j 06:25	13°♃53'34	0°43'07	retrograde	-966 Jan 04 j 16:47	21°♄41'47	
minimum elong	-974 Aug 17 j 06:25	13°♃53'34	0°43'07	opposition	-966 Mar 19 j 23:26	19°♄40'13	0°46'44
retrograde	-974 Sep 03 j 21:44	15°♃		min. Earth dist.	-966 Mar 20 j 11:47	19°♄38'54	17.42646 AU
opposition	-974 Dec 02 j 20:19	18°♃17'31		direct	-966 Jun 05 j 02:09	17°♄34'44	
min. Earth dist.	-973 Feb 14 j 04:16	16°♃15'28	0°48'36	conjunction	-966 Sep 24 j 15:43	22°♄03'19	0°41'15
direct	-973 Mar 17 j 05:06	15°♃♄		minimum elong	-966 Sep 24 j 15:43	22°♄03'19	0°41'15
conjunction	-973 May 01 j 17:58	14°♃08'55		max. Earth dist.	-966 Sep 24 j 03:13	22°♄01'21	19.44859 AU
minimum elong	-973 Jun 15 j 04:29	15°♃		retrograde	-965 Jan 09 j 15:42	26°♄23'18	
max. Earth dist.	-973 Aug 21 j 09:07	18°♃38'34	19.26440 AU	opposition	-965 Mar 25 j 01:30	24°♄21'51	0°45'09
conjunction	-973 Aug 22 j 09:54	18°♃42'30	0°43'58	min. Earth dist.	-965 Mar 25 j 10:58	24°♄20'51	17.47238 AU
minimum elong	-973 Aug 22 j 09:54	18°♃42'30	0°43'58	direct	-965 Jun 10 j 04:55	22°♄16'41	
retrograde	-973 Dec 07 j 19:34	23°♃06'13		conjunction	-965 Sep 29 j 13:28	26°♄44'05	0°39'43
opposition	-972 Feb 19 j 06:51	21°♃04'15	0°49'23	minimum elong	-965 Sep 29 j 13:28	26°♄44'05	0°39'43
min. Earth dist.	-972 Feb 20 j 04:42	21°♃01'53	17.26945 AU	max. Earth dist.	-965 Sep 29 j 04:24	26°♄42'40	19.49719 AU
direct	-972 May 05 j 21:49	18°♃57'47			-965 Nov 27 j 00:28	0°♄	
conjunction	-972 Aug 26 j 12:55	23°♃31'07	0°44'30	retrograde	-964 Jan 14 j 13:15	1°♄03'20	
minimum elong	-972 Aug 26 j 12:55	23°♃31'07	0°44'30		-964 Mar 05 j 08:51	30°♃♄	
				opposition	-964 Mar 29 j 03:18	29°♄02'03	0°43'17
				min. Earth dist.	-964 Mar 29 j 11:13	29°♄01'13	17.52336 AU
				direct	-964 Jun 14 j 07:36	26°♄57'17	
					-964 Sep 10 j 22:28	0°♄	

Planetary Phenomena of Uranus from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 30

Attention, astronomical year style is used: The year -964 in astronomical counting style is the year 965 BCE in historical counting style.

conjunction	-964 Oct 03 j 10:11	1°♄23'24	0°37'55	conjunction	-956 Nov 08 j 01:10	7°♃36'39	0°16'36
minimum elong	-964 Oct 03 j 10:11	1°♄23'24	0°37'55	minimum elong	-956 Nov 08 j 01:10	7°♃36'39	0°16'36
max. Earth dist.	-964 Oct 03 j 02:20	1°♄22'10	19.55064 AU	max. Earth dist.	-956 Nov 08 j 09:48	7°♃37'58	20.06424 AU
retrograde	-963 Jan 18 j 10:54	5°♄41'55		retrograde	-955 Feb 23 j 13:13	11°♃48'22	
opposition	-963 Apr 03 j 04:49	3°♄40'48	0°41'09	opposition	-955 May 10 j 21:44	9°♃48'17	0°16'38
min. Earth dist.	-963 Apr 03 j 10:10	3°♄40'14	17.57895 AU	min. Earth dist.	-955 May 10 j 12:23	9°♃49'15	18.09792 AU
direct	-963 Jun 19 j 09:05	1°♄36'26		direct	-955 Jul 27 j 00:25	7°♃47'08	
conjunction	-963 Oct 08 j 06:05	6°♄01'12	0°35'54	conjunction	-955 Nov 12 j 13:51	11°♃59'22	0°13'23
minimum elong	-963 Oct 08 j 06:05	6°♄01'12	0°35'54	minimum elong	-955 Nov 12 j 13:51	11°♃59'22	0°13'22
max. Earth dist.	-963 Oct 08 j 01:38	6°♄00'31	19.60820 AU	behind sun begin	-955 Nov 12 j 09:59	11°♃58'48	
retrograde	-962 Jan 23 j 07:46	10°♄18'56		behind sun end	-955 Nov 12 j 17:43	11°♃59'56	
opposition	-962 Apr 08 j 06:00	8°♄18'01	0°38'45	max. Earth dist.	-955 Nov 13 j 00:47	12°♃01'01	20.13204 AU
min. Earth dist.	-962 Apr 08 j 09:32	8°♄17'38	17.63813 AU		-954 Jan 06 j 13:48	15°♃	
direct	-962 Jun 24 j 11:19	6°♄14'05		retrograde	-954 Feb 28 j 05:13	16°♃10'11	
conjunction	-962 Oct 13 j 01:07	10°♄37'26	0°33'39		-954 Apr 24 j 18:58	15°♃	
minimum elong	-962 Oct 13 j 01:07	10°♄37'26	0°33'38	opposition	-954 May 15 j 17:31	14°♃10'10	0°13'01
max. Earth dist.	-962 Oct 12 j 21:50	10°♄36'55	19.66897 AU	min. Earth dist.	-954 May 15 j 05:17	14°♃11'25	18.16591 AU
retrograde	-961 Jan 28 j 03:54	14°♄54'22		direct	-954 Jul 31 j 20:31	12°♃09'21	
opposition	-961 Apr 13 j 06:31	12°♄53'37	0°36'06		-954 Oct 25 j 18:15	15°♃	
min. Earth dist.	-961 Apr 13 j 08:04	12°♄53'27	17.70029 AU	conjunction	-954 Nov 17 j 01:45	16°♃19'58	0°10'07
direct	-961 Jun 29 j 11:26	10°♄50'07		minimum elong	-954 Nov 17 j 01:45	16°♃19'58	0°10'06
conjunction	-961 Oct 17 j 19:29	15°♄12'00	0°31'11	behind sun begin	-954 Nov 16 j 20:27	16°♃19'11	
minimum elong	-961 Oct 17 j 19:29	15°♄12'00	0°31'11	behind sun end	-954 Nov 17 j 07:03	16°♃20'45	
max. Earth dist.	-961 Oct 17 j 19:07	15°♄11'57	19.73226 AU	max. Earth dist.	-954 Nov 17 j 14:35	16°♃21'54	20.20025 AU
retrograde	-960 Feb 01 j 23:32	19°♄28'06		retrograde	-953 Mar 04 j 18:43	20°♃29'55	
opposition	-960 Apr 17 j 06:42	17°♄27'31	0°33'15	opposition	-953 May 20 j 12:29	18°♃29'58	0°09'21
min. Earth dist.	-960 Apr 17 j 06:12	17°♄27'34	17.76440 AU	min. Earth dist.	-953 May 19 j 23:18	18°♃31'19	18.23452 AU
direct	-960 Jul 03 j 12:54	15°♄24'28		direct	-953 Aug 05 j 12:21	16°♃29'31	
conjunction	-960 Oct 21 j 12:44	19°♄44'49	0°28'33	conjunction	-953 Nov 21 j 12:52	20°♃38'33	0°06'50
minimum elong	-960 Oct 21 j 12:44	19°♄44'49	0°28'33	minimum elong	-953 Nov 21 j 12:52	20°♃38'33	0°06'49
max. Earth dist.	-960 Oct 21 j 13:34	19°♄44'56	19.79717 AU	behind sun begin	-953 Nov 21 j 06:46	20°♃37'39	
retrograde	-959 Feb 05 j 18:14	24°♄00'05		behind sun end	-953 Nov 21 j 18:58	20°♃39'27	
opposition	-959 Apr 22 j 06:23	21°♄59'38	0°30'13	max. Earth dist.	-953 Nov 22 j 03:41	20°♃40'47	20.26914 AU
min. Earth dist.	-959 Apr 22 j 04:16	21°♄59'51	17.83002 AU	retrograde	-952 Mar 08 j 10:09	24°♃47'39	
direct	-959 Jul 08 j 11:32	19°♄57'00		opposition	-952 May 24 j 06:40	22°♃47'48	0°05'40
conjunction	-959 Oct 26 j 05:19	24°♄15'47	0°25'45	min. Earth dist.	-952 May 23 j 14:31	22°♃49'26	18.30356 AU
minimum elong	-959 Oct 26 j 05:19	24°♄15'47	0°25'44	direct	-952 Aug 09 j 06:29	20°♃47'44	
max. Earth dist.	-959 Oct 26 j 08:43	24°♄16'18	19.86329 AU	conjunction	-952 Nov 24 j 23:05	24°♃55'13	0°03'32
retrograde	-958 Feb 10 j 12:23	28°♄30'10		minimum elong	-952 Nov 24 j 23:06	24°♃55'13	0°03'30
opposition	-958 Apr 27 j 05:16	26°♄29'52	0°27'00	behind sun begin	-952 Nov 24 j 16:36	24°♃54'16	
min. Earth dist.	-958 Apr 27 j 00:49	26°♄30'19	17.89641 AU	behind sun end	-952 Nov 25 j 05:35	24°♃56'10	
direct	-958 Jul 13 j 11:28	24°♄27'38		max. Earth dist.	-952 Nov 25 j 15:58	24°♃57'45	20.33822 AU
conjunction	-958 Oct 30 j 20:50	28°♄44'48	0°22'48	retrograde	-951 Mar 12 j 22:46	29°♃03'32	
minimum elong	-958 Oct 30 j 20:50	28°♄44'48	0°22'49	min. Earth dist.	-951 May 28 j 07:19	27°♃05'30	18.37272 AU
max. Earth dist.	-958 Oct 31 j 01:30	28°♄45'31	19.92995 AU	opposition	-951 May 29 j 00:16	27°♃03'47	0°01'59
retrograde	-958 Nov 20 j 11:07	0°♃		direct	-951 Aug 13 j 20:36	25°♃04'07	
opposition	-957 Feb 15 j 05:16	2°♃58'19		conjunction	-951 Nov 29 j 08:45	29°♃10'06	0°00'09
min. Earth dist.	-957 May 02 j 03:32	0°♃58'06	0°23'39	minimum elong	-951 Nov 29 j 08:45	29°♃10'06	0°00'09
direct	-957 May 01 j 21:53	0°♃58'41	17.96331 AU	behind sun begin	-951 Nov 29 j 02:19	29°♃09'10	
retrograde	-957 May 26 j 14:45	30°♃		behind sun end	-951 Nov 29 j 15:11	29°♃11'03	
conjunction	-957 Jul 18 j 08:09	28°♄56'14		max. Earth dist.	-951 Nov 30 j 03:13	29°♃12'52	20.40725 AU
minimum elong	-957 Sep 06 j 15:59	0°♃			-951 Dec 13 j 07:12	0°♃	
max. Earth dist.	-957 Nov 04 j 11:30	3°♃11'47	0°19'45	desc. node	-951 Dec 15 j 01:59	0°♃06'17	
retrograde	-957 Nov 04 j 11:30	3°♃11'47	0°19'44	retrograde	-950 Mar 17 j 13:02	3°♃17'38	
opposition	-957 Nov 04 j 18:29	3°♃12'51	19.99700 AU	opposition	-950 Jun 02 j 16:44	1°♃18'01	0°-1'-40
min. Earth dist.	-956 Feb 19 j 22:02	7°♃24'24		min. Earth dist.	-950 Jun 01 j 21:09	1°♃20'00	18.44140 AU
retrograde	-956 May 06 j 00:55	5°♃24'16	0°20'11	direct	-950 Jul 07 j 17:11	30°♃	
opposition	-956 May 05 j 16:40	5°♃25'07	18.03037 AU		-950 Aug 18 j 13:04	29°♃18'45	
direct	-956 Jul 22 j 06:11	3°♃22'46			-950 Sep 27 j 21:45	0°♃	
conjunction				conjunction	-950 Dec 03 j 17:45	3°♃23'19	0°-3'-12
minimum elong				minimum elong	-950 Dec 03 j 17:46	3°♃23'19	0°03'14

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Attention, astronomical year style is used: The year -950 in astronomical counting style is the year 951 BCE in historical counting style.

behind sun begin	-950 Dec 03 j 11:16	3°♂22'23		conjunction	-943 Dec 31 j 19:05	2°♁14'25	0°-24'-22
behind sun end	-950 Dec 04 j 00:16	3°♂24'16		minimum elong	-943 Dec 31 j 19:05	2°♁14'25	0°24'24
max. Earth dist.	-950 Dec 04 j 14:03	3°♂26'21	20.47535 AU	max. Earth dist.	-942 Jan 01 j 20:59	2°♁18'11	20.87455 AU
retrograde	-949 Mar 22 j 01:03	7°♂30'07		retrograde	-942 Apr 20 j 04:27	6°♁17'03	
opposition	-949 Jun 07 j 08:45	5°♂30'38	0°-5'-18	min. Earth dist.	-942 Jul 06 j 02:36	4°♁20'33	18.89596 AU
min. Earth dist.	-949 Jun 06 j 12:49	5°♂32'38	18.50891 AU	opposition	-942 Jul 07 j 04:36	4°♁17'57	0°-28'-24
direct	-949 Aug 23 j 01:44	3°♂31'46		direct	-942 Sep 21 j 09:44	2°♁21'00	
conjunction	-949 Dec 08 j 02:05	7°♂34'56	0°-6'-27	conjunction	-941 Jan 05 j 00:31	6°♁16'15	0°-26'-57
minimum elong	-949 Dec 08 j 02:04	7°♂34'56	0°06'29	minimum elong	-941 Jan 05 j 00:31	6°♁16'15	0°26'59
behind sun begin	-949 Dec 07 j 19:55	7°♂34'03		max. Earth dist.	-941 Jan 06 j 03:32	6°♁20'10	20.91580 AU
behind sun end	-949 Dec 08 j 08:14	7°♂35'50		retrograde	-941 Apr 24 j 11:37	10°♁18'27	
max. Earth dist.	-949 Dec 08 j 23:30	7°♂38'07	20.54202 AU	opposition	-941 Jul 11 j 15:00	8°♁19'20	0°-31'-10
retrograde	-948 Mar 25 j 13:56	11°♂41'03		min. Earth dist.	-941 Jul 10 j 13:25	8°♁21'53	18.93543 AU
opposition	-948 Jun 10 j 23:55	9°♂41'41	0°-8'-53	direct	-941 Sep 25 j 17:49	6°♁22'31	
min. Earth dist.	-948 Jun 10 j 01:40	9°♂43'55	18.57456 AU	conjunction	-940 Jan 09 j 05:27	10°♁16'56	0°-29'-23
direct	-948 Aug 26 j 16:34	7°♂43'12		minimum elong	-940 Jan 09 j 05:27	10°♁16'56	0°29'25
conjunction	-948 Dec 11 j 10:01	11°♂45'03	0°-9'-39	max. Earth dist.	-940 Jan 10 j 08:27	10°♁20'50	20.95356 AU
minimum elong	-948 Dec 11 j 10:01	11°♂45'03	0°09'41	retrograde	-940 Apr 27 j 21:28	14°♁18'46	
behind sun begin	-948 Dec 11 j 04:36	11°♂44'16		min. Earth dist.	-940 Jul 13 j 21:56	12°♁22'17	18.97157 AU
behind sun end	-948 Dec 11 j 15:27	11°♂45'50		opposition	-940 Jul 15 j 00:43	12°♁19'36	0°-33'-46
max. Earth dist.	-948 Dec 12 j 09:04	11°♂48'28	20.60639 AU	direct	-940 Sep 29 j 01:50	10°♁22'56	
retrograde	-947 Mar 30 j 00:59	15°♂50'30		conjunction	-939 Jan 12 j 10:21	14°♁16'37	0°-31'-40
opposition	-947 Jun 15 j 14:33	13°♂51'14	0°-12'-24	minimum elong	-939 Jan 12 j 10:21	14°♁16'37	0°31'42
min. Earth dist.	-947 Jun 14 j 16:19	13°♂53'29	18.63769 AU	max. Earth dist.	-939 Jan 13 j 14:28	14°♁20'40	20.98792 AU
direct	-947 Aug 31 j 04:17	11°♂53'07		retrograde	-939 May 02 j 03:50	18°♁18'08	
conjunction	-947 Dec 15 j 17:26	15°♂53'42	0°-12'-47	min. Earth dist.	-939 Jul 18 j 07:32	16°♁21'36	19.00436 AU
minimum elong	-947 Dec 15 j 17:26	15°♂53'42	0°12'49	opposition	-939 Jul 19 j 09:50	16°♁18'59	0°-36'-12
behind sun begin	-947 Dec 15 j 13:17	15°♂53'06		direct	-939 Oct 03 j 08:22	14°♁22'27	
behind sun end	-947 Dec 15 j 21:35	15°♂54'18		conjunction	-938 Jan 16 j 15:02	18°♁15'29	0°-33'-47
max. Earth dist.	-947 Dec 16 j 17:02	15°♂57'11	20.66799 AU	minimum elong	-938 Jan 16 j 15:02	18°♁15'29	0°33'48
retrograde	-946 Apr 03 j 12:57	19°♂58'32		max. Earth dist.	-938 Jan 17 j 18:51	18°♁19'29	21.01911 AU
min. Earth dist.	-946 Jun 19 j 04:15	18°♂01'46	18.69758 AU	retrograde	-938 May 06 j 13:15	22°♁16'46	
opposition	-946 Jun 20 j 04:19	17°♂59'22	0°-15'-50	opposition	-938 Jul 23 j 18:25	20°♁17'37	0°-38'-27
direct	-946 Sep 04 j 16:57	16°♂01'33		min. Earth dist.	-938 Jul 22 j 15:16	20°♁20'20	19.03388 AU
conjunction	-946 Dec 20 j 00:31	20°♂00'57	0°-15'-50	direct	-938 Oct 07 j 14:55	18°♁21'13	
minimum elong	-946 Dec 20 j 00:31	20°♂00'57	0°15'52	conjunction	-937 Jan 20 j 19:39	22°♁13'45	0°-35'-44
behind sun begin	-946 Dec 19 j 23:02	20°♂00'44		minimum elong	-937 Jan 20 j 19:39	22°♁13'45	0°35'46
behind sun end	-946 Dec 20 j 01:59	20°♂01'10		max. Earth dist.	-937 Jan 22 j 00:19	22°♁17'52	21.04674 AU
max. Earth dist.	-946 Dec 21 j 01:18	20°♂04'36	20.72585 AU	retrograde	-937 May 10 j 19:35	26°♁14'51	
retrograde	-945 Apr 07 j 22:32	24°♂05'10		min. Earth dist.	-937 Jul 27 j 00:05	24°♁18'22	19.05973 AU
opposition	-945 Jun 24 j 17:27	22°♂06'04	0°-19'-10	opposition	-937 Jul 28 j 02:36	24°♁15'43	0°-40'-30
min. Earth dist.	-945 Jun 23 j 17:44	22°♂08'27	18.75352 AU	direct	-937 Oct 11 j 20:27	22°♁19'28	
direct	-945 Sep 09 j 03:46	20°♂08'33		conjunction	-936 Jan 25 j 00:14	26°♁11'33	0°-37'-31
conjunction	-945 Dec 24 j 07:09	24°♂06'48	0°-18'-48	minimum elong	-936 Jan 25 j 00:14	26°♁11'33	0°37'32
minimum elong	-945 Dec 24 j 07:08	24°♂06'48	0°18'50	max. Earth dist.	-936 Jan 26 j 04:16	26°♁15'34	21.07084 AU
max. Earth dist.	-945 Dec 25 j 08:01	24°♂10'27	20.77974 AU		-936 Apr 21 j 08:59	0°≈	
retrograde	-944 Apr 11 j 09:41	28°♂10'28		retrograde	-936 May 14 j 04:27	0°≈12'33	
min. Earth dist.	-944 Jun 27 j 04:41	26°♂13'55	18.80528 AU		-936 Jun 06 j 06:27	30°R♁	
opposition	-944 Jun 28 j 05:55	26°♂11'24	0°-22'-23	min. Earth dist.	-936 Jul 30 j 07:24	28°♁16'08	19.08190 AU
direct	-944 Sep 12 j 14:40	24°♂14'06		opposition	-936 Jul 31 j 10:24	28°♁13'27	0°-42'-22
conjunction	-944 Dec 27 j 13:17	28°♂11'17	0°-21'-39	direct	-936 Oct 15 j 01:50	26°♁17'19	
minimum elong	-944 Dec 27 j 13:17	28°♂11'17	0°21'40		-935 Jan 25 j 13:38	0°≈	
max. Earth dist.	-944 Dec 28 j 15:15	28°♂15'04	20.82923 AU	conjunction	-935 Jan 28 j 04:55	0°≈09'04	0°-39'-7
	-943 Jan 28 j 16:09	0°♁		minimum elong	-935 Jan 28 j 04:55	0°≈09'04	0°39'09
retrograde	-943 Apr 15 j 18:07	2°♁14'25		max. Earth dist.	-935 Jan 29 j 09:31	0°≈13'09	21.09086 AU
opposition	-943 Jul 02 j 17:47	0°♁15'21	0°-25'-28	retrograde	-935 May 18 j 11:28	4°≈10'00	
min. Earth dist.	-943 Jul 01 j 17:00	0°♁17'50	18.85265 AU	opposition	-935 Aug 04 j 17:55	2°≈10'56	0°-44'-2
	-943 Jul 09 j 03:45	30°R♁		min. Earth dist.	-935 Aug 03 j 15:53	2°≈13'32	19.09972 AU
direct	-943 Sep 17 j 00:21	28°♂18'15		direct	-935 Oct 19 j 06:41	0°≈14'56	
	-943 Nov 20 j 23:49	0°♁					

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Attention, astronomical year style is used: The year -934 in astronomical counting style is the year 935 BCE in historical counting style.

conjunction	-934 Feb 01 j 09:48	4°≈06'25	0°-40'-32	min. Earth dist.	-927 Sep 05 j 03:47	3°≈53'33	19.05069 AU
minimum elong	-934 Feb 01 j 09:48	4°≈06'25	0°40'34	direct	-927 Nov 19 j 19:15	1°≈55'10	
max. Earth dist.	-934 Feb 02 j 13:15	4°≈10'20	21.10646 AU				
retrograde	-934 May 22 j 19:58	8°≈07'22		conjunction	-926 Mar 05 j 10:18	5°≈47'41	0°-44'-33
min. Earth dist.	-934 Aug 07 j 23:00	6°≈10'55	19.11291 AU	minimum elong	-926 Mar 05 j 10:18	5°≈47'41	0°44'34
opposition	-934 Aug 09 j 00:55	6°≈08'19	0°-45'-29	max. Earth dist.	-926 Mar 06 j 05:13	5°≈50'22	21.03689 AU
direct	-934 Oct 23 j 11:33	4°≈12'23		retrograde	-926 Jun 24 j 12:46	9°≈50'13	
				min. Earth dist.	-926 Sep 09 j 10:33	7°≈52'06	19.02280 AU
conjunction	-933 Feb 05 j 14:55	8°≈03'45	0°-41'-46	opposition	-926 Sep 10 j 03:28	7°≈50'23	0°-48'-59
minimum elong	-933 Feb 05 j 14:55	8°≈03'45	0°41'47	direct	-926 Nov 23 j 23:24	5°≈53'36	
max. Earth dist.	-933 Feb 06 j 18:24	8°≈07'40	21.11699 AU				
retrograde	-933 May 27 j 03:07	12°≈04'44		conjunction	-925 Mar 09 j 18:01	9°≈46'41	0°-44'-5
min. Earth dist.	-933 Aug 12 j 07:16	10°≈08'10	19.12076 AU	minimum elong	-925 Mar 09 j 18:01	9°≈46'41	0°44'07
opposition	-933 Aug 13 j 07:53	10°≈05'42	0°-46'-44	max. Earth dist.	-925 Mar 10 j 12:30	9°≈49'18	21.00717 AU
direct	-933 Oct 27 j 15:44	8°≈09'49		retrograde	-925 Jun 28 j 20:59	13°≈49'38	
				opposition	-925 Sep 14 j 09:28	11°≈49'41	0°-48'-22
conjunction	-932 Feb 09 j 20:08	12°≈01'05	0°-42'-48	min. Earth dist.	-925 Sep 13 j 17:55	11°≈51'16	18.99134 AU
minimum elong	-932 Feb 09 j 20:08	12°≈01'05	0°42'49	direct	-925 Nov 28 j 04:19	9°≈52'44	
max. Earth dist.	-932 Feb 10 j 22:03	12°≈04'47	21.12215 AU				
	-932 Apr 08 j 18:13	15°≈		conjunction	-924 Mar 13 j 02:05	13°≈46'26	0°-43'-25
retrograde	-932 May 30 j 12:01	16°≈02'12		minimum elong	-924 Mar 13 j 02:06	13°≈46'26	0°43'25
	-932 Jul 22 j 22:47	15°≈		max. Earth dist.	-924 Mar 13 j 18:24	13°≈48'45	20.97419 AU
opposition	-932 Aug 16 j 14:39	14°≈03'07	0°-47'-45	retrograde	-924 Jul 02 j 07:06	17°≈49'55	
min. Earth dist.	-932 Aug 15 j 14:33	14°≈05'32	19.12304 AU	opposition	-924 Sep 17 j 15:36	15°≈49'51	0°-47'-31
direct	-932 Oct 30 j 20:44	12°≈07'13		min. Earth dist.	-924 Sep 17 j 01:10	15°≈51'20	18.95669 AU
	-931 Jan 26 j 18:59	15°≈		direct	-924 Dec 01 j 08:52	13°≈52'42	
conjunction	-931 Feb 13 j 01:51	15°≈58'30	0°-43'-37	conjunction	-923 Mar 17 j 11:03	17°≈47'10	0°-42'-32
minimum elong	-931 Feb 13 j 01:51	15°≈58'30	0°43'38	minimum elong	-923 Mar 17 j 11:03	17°≈47'10	0°42'34
max. Earth dist.	-931 Feb 14 j 03:24	16°≈02'08	21.12137 AU	max. Earth dist.	-923 Mar 18 j 02:44	17°≈49'24	20.93786 AU
retrograde	-931 Jun 03 j 19:06	19°≈59'44		retrograde	-923 Jul 06 j 16:09	21°≈51'11	
opposition	-931 Aug 20 j 21:07	18°≈00'35	0°-48'-33	opposition	-923 Sep 21 j 21:47	19°≈51'03	0°-46'-26
min. Earth dist.	-931 Aug 19 j 22:36	18°≈02'51	19.11924 AU	min. Earth dist.	-923 Sep 21 j 08:53	19°≈52'23	18.91867 AU
direct	-931 Nov 04 j 00:37	16°≈04'37		direct	-923 Dec 05 j 13:45	17°≈53'44	
conjunction	-930 Feb 17 j 07:46	19°≈55'59	0°-44'-14	conjunction	-922 Mar 21 j 20:34	21°≈49'02	0°-41'-27
minimum elong	-930 Feb 17 j 07:46	19°≈55'59	0°44'16	minimum elong	-922 Mar 21 j 20:34	21°≈49'02	0°41'27
max. Earth dist.	-930 Feb 18 j 07:21	19°≈59'21	21.11474 AU	max. Earth dist.	-922 Mar 22 j 09:42	21°≈50'54	20.89837 AU
retrograde	-930 Jun 08 j 04:01	23°≈57'23		retrograde	-922 Jul 11 j 03:32	25°≈53'41	
min. Earth dist.	-930 Aug 24 j 05:46	22°≈00'18	19.10967 AU	opposition	-922 Sep 26 j 04:21	23°≈53'29	0°-45'-7
opposition	-930 Aug 25 j 03:28	21°≈58'07	0°-49'-6	min. Earth dist.	-922 Sep 25 j 16:53	23°≈54'40	18.87748 AU
direct	-930 Nov 08 j 05:43	20°≈02'03		direct	-922 Dec 09 j 19:18	21°≈55'58	
conjunction	-929 Feb 21 j 13:51	23°≈53'34	0°-44'-38	conjunction	-921 Mar 26 j 06:45	25°≈52'12	0°-40'-8
minimum elong	-929 Feb 21 j 13:51	23°≈53'34	0°44'39	minimum elong	-921 Mar 26 j 06:45	25°≈52'12	0°40'10
max. Earth dist.	-929 Feb 22 j 13:03	23°≈56'52	21.10233 AU	max. Earth dist.	-921 Mar 26 j 19:09	25°≈53'59	20.85541 AU
retrograde	-929 Jun 12 j 11:13	27°≈55'09		retrograde	-921 Jul 15 j 13:40	29°≈57'32	
opposition	-929 Aug 29 j 09:40	25°≈55'46	0°-49'-26	opposition	-921 Sep 30 j 11:14	27°≈57'16	0°-43'-34
min. Earth dist.	-929 Aug 28 j 13:28	25°≈57'48	19.09457 AU	min. Earth dist.	-921 Sep 30 j 01:27	27°≈58'17	18.83266 AU
direct	-929 Nov 12 j 09:58	23°≈59'33		direct	-921 Dec 14 j 00:28	25°≈59'34	
conjunction	-928 Feb 25 j 20:15	27°≈51'18	0°-44'-49	conjunction	-920 Mar 29 j 17:49	29°≈56'49	0°-38'-38
minimum elong	-928 Feb 25 j 20:15	27°≈51'18	0°44'51	minimum elong	-920 Mar 29 j 17:49	29°≈56'49	0°38'39
max. Earth dist.	-928 Feb 26 j 17:35	27°≈54'19	21.08492 AU	max. Earth dist.	-920 Mar 30 j 03:17	29°≈58'10	20.80887 AU
	-928 Apr 05 j 14:12	0°≈			-920 Mar 30 j 16:01	0°≈	
retrograde	-928 Jun 15 j 20:00	1°≈53'09		retrograde	-920 Jul 19 j 02:08	4°≈02'52	
	-928 Aug 30 j 00:18	30°≈		opposition	-920 Oct 03 j 18:23	2°≈02'32	0°-41'-47
opposition	-928 Sep 01 j 15:41	29°≈53'35	0°-49'-31	min. Earth dist.	-920 Oct 03 j 10:32	2°≈03'20	18.78417 AU
min. Earth dist.	-928 Aug 31 j 20:22	29°≈55'33	19.07483 AU	direct	-920 Dec 17 j 07:24	0°≈04'35	
direct	-928 Nov 15 j 14:34	27°≈57'11					
	-927 Jan 26 j 21:08	0°≈		conjunction	-919 Apr 03 j 05:54	4°≈02'57	0°-36'-54
				minimum elong	-919 Apr 03 j 05:54	4°≈02'57	0°36'55
conjunction	-927 Mar 01 j 03:06	1°≈49'17	0°-44'-47	max. Earth dist.	-919 Apr 03 j 14:09	4°≈04'08	20.75827 AU
minimum elong	-927 Mar 01 j 03:06	1°≈49'17	0°44'49	retrograde	-919 Jul 23 j 13:13	8°≈09'43	
max. Earth dist.	-927 Mar 02 j 00:04	1°≈52'16	21.06290 AU	opposition	-919 Oct 08 j 02:00	6°≈09'17	0°-39'-47
retrograde	-927 Jun 20 j 03:45	5°≈51'26		min. Earth dist.	-919 Oct 07 j 20:03	6°≈09'54	18.73139 AU
opposition	-927 Sep 05 j 21:38	3°≈51'44	0°-49'-22	direct	-919 Dec 21 j 13:58	4°≈11'05	

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Attention, astronomical year style is used: The year -918 in astronomical counting style is the year 919 BCE in historical counting style.

conjunction	-918 Apr 07 j 18:34	8°♃10'35	0°-34'-59	conjunction	-910 May 13 j 05:11	12°♃07'18	0°-13'-26
minimum elong	-918 Apr 07 j 18:34	8°♃10'35	0°35'00	minimum elong	-910 May 13 j 05:11	12°♃07'18	0°13'26
max. Earth dist.	-918 Apr 07 j 23:26	8°♃11'17	20.70347 AU	behind sun begin	-910 May 13 j 01:31	12°♃06'46	
retrograde	-918 Jul 28 j 01:57	12°♃18'07		behind sun end	-910 May 13 j 08:50	12°♃07'49	
opposition	-918 Oct 12 j 10:01	10°♃17'33	0°-37'-33	max. Earth dist.	-910 May 12 j 16:56	12°♃05'30	20.16967 AU
min. Earth dist.	-918 Oct 12 j 06:15	10°♃17'56	18.67448 AU		-910 Jul 05 j 09:30	15°♃	
direct	-918 Dec 25 j 22:08	8°♃19'00		retrograde	-910 Aug 31 j 17:52	16°♃21'18	
					-910 Oct 29 j 16:35	15°♃	
conjunction	-917 Apr 12 j 08:11	12°♃19'43	0°-32'-52	opposition	-910 Nov 14 j 19:19	14°♃19'24	0°-13'-3
minimum elong	-917 Apr 12 j 08:11	12°♃19'43	0°32'52	min. Earth dist.	-910 Nov 15 j 05:55	14°♃18'16	18.13500 AU
max. Earth dist.	-917 Apr 12 j 11:45	12°♃20'14	20.64454 AU	direct	-909 Jan 28 j 13:51	12°♃17'33	
retrograde	-917 Aug 01 j 14:01	16°♃28'00			-909 Apr 22 j 08:22	15°♃	
opposition	-917 Oct 16 j 18:25	14°♃27'17	0°-35'-6				
min. Earth dist.	-917 Oct 16 j 16:26	14°♃27'29	18.61359 AU	conjunction	-909 May 18 j 01:23	16°♃29'46	0°-10'-9
direct	-917 Dec 30 j 06:44	12°♃28'23		minimum elong	-909 May 18 j 01:23	16°♃29'46	0°10'11
				behind sun begin	-909 May 17 j 20:02	16°♃28'59	
conjunction	-916 Apr 15 j 22:22	16°♃30'20	0°-30'-33	behind sun end	-909 May 18 j 06:44	16°♃30'32	
minimum elong	-916 Apr 15 j 22:22	16°♃30'20	0°30'34	max. Earth dist.	-909 May 17 j 12:23	16°♃27'51	20.10083 AU
max. Earth dist.	-916 Apr 15 j 22:29	16°♃30'21	20.58204 AU	retrograde	-909 Sep 05 j 12:01	20°♃44'38	
retrograde	-916 Aug 05 j 02:39	20°♃39'24		opposition	-909 Nov 19 j 08:12	18°♃42'40	0°-9'-22
opposition	-916 Oct 20 j 03:17	18°♃38'29	0°-32'-28	min. Earth dist.	-909 Nov 19 j 19:34	18°♃41'27	18.06660 AU
min. Earth dist.	-916 Oct 20 j 03:36	18°♃38'27	18.54947 AU	direct	-908 Feb 02 j 04:38	16°♃40'27	
direct	-915 Jan 02 j 15:48	16°♃39'10					
				conjunction	-908 May 21 j 22:23	20°♃54'18	0°-6'-48
conjunction	-915 Apr 20 j 13:39	20°♃42'27	0°-28'-4	minimum elong	-908 May 21 j 22:24	20°♃54'18	0°06'48
minimum elong	-915 Apr 20 j 13:39	20°♃42'27	0°28'04	behind sun begin	-908 May 21 j 16:06	20°♃53'23	
max. Earth dist.	-915 Apr 20 j 12:35	20°♃42'18	20.51648 AU	behind sun end	-908 May 22 j 04:42	20°♃55'13	
retrograde	-915 Aug 09 j 16:02	24°♃52'16		max. Earth dist.	-908 May 21 j 06:30	20°♃51'56	20.03293 AU
opposition	-915 Oct 24 j 12:26	22°♃51'11	0°-29'-38	retrograde	-908 Sep 09 j 05:27	25°♃10'04	
min. Earth dist.	-915 Oct 24 j 14:21	22°♃50'59	18.48262 AU	opposition	-908 Nov 22 j 22:03	23°♃08'03	0°-5'-35
direct	-914 Jan 07 j 02:21	20°♃51'27		min. Earth dist.	-908 Nov 23 j 11:51	23°♃06'34	17.99921 AU
				direct	-907 Feb 05 j 18:47	21°♃05'28	
conjunction	-914 Apr 25 j 05:28	24°♃56'05	0°-25'-25				
minimum elong	-914 Apr 25 j 05:28	24°♃56'05	0°25'26	conjunction	-907 May 26 j 20:27	25°♃20'59	0°-3'-22
max. Earth dist.	-914 Apr 25 j 01:04	24°♃55'27	20.44871 AU	minimum elong	-907 May 26 j 20:28	25°♃20'59	0°03'22
retrograde	-914 Aug 14 j 04:57	29°♃06'43		behind sun begin	-907 May 26 j 13:44	25°♃20'00	
opposition	-914 Oct 28 j 22:15	27°♃05'25	0°-26'-37	behind sun end	-907 May 27 j 03:13	25°♃21'58	
min. Earth dist.	-914 Oct 29 j 02:22	27°♃04'59	18.41408 AU	max. Earth dist.	-907 May 26 j 03:34	25°♃18'28	19.96593 AU
direct	-913 Jan 11 j 12:24	25°♃05'14		retrograde	-907 Sep 14 j 01:27	29°♃37'36	
				opposition	-907 Nov 27 j 12:32	27°♃35'34	0°-1'-44
conjunction	-913 Apr 29 j 22:06	29°♃11'18	0°-22'-37	min. Earth dist.	-907 Nov 28 j 03:08	27°♃33'59	17.93259 AU
minimum elong	-913 Apr 29 j 22:06	29°♃11'18	0°22'37	direct	-906 Feb 10 j 11:43	25°♃32'39	
max. Earth dist.	-913 Apr 29 j 16:51	29°♃10'33	20.37948 AU	asc. node	-906 May 13 j 21:09	28°♃45'43	
	-913 May 13 j 20:41	0°♃					
retrograde	-913 Aug 18 j 19:42	3°♃22'45		conjunction	-906 May 31 j 19:18	29°♃49'48	0°00'11
opposition	-913 Nov 02 j 08:34	1°♃21'16	0°-23'-26	minimum elong	-906 May 31 j 19:19	29°♃49'48	0°00'11
min. Earth dist.	-913 Nov 02 j 13:54	1°♃20'42	18.34433 AU	behind sun begin	-906 May 31 j 12:36	29°♃48'49	
	-913 Dec 07 j 09:44	30°♃		behind sun end	-906 Jun 01 j 02:02	29°♃50'46	
direct	-912 Jan 16 j 00:33	29°♃20'40		max. Earth dist.	-906 May 30 j 23:41	29°♃46'51	19.89963 AU
	-912 Feb 24 j 01:03	0°♃			-906 Jun 03 j 15:11	0°♃	
				retrograde	-906 Sep 18 j 19:57	4°♃07'17	
conjunction	-912 May 03 j 15:35	3°♃28'11	0°-19'-41	opposition	-906 Dec 02 j 04:06	2°♃05'11	0°02'08
minimum elong	-912 May 03 j 15:35	3°♃28'11	0°19'41	min. Earth dist.	-906 Dec 02 j 21:13	2°♃03'20	17.86680 AU
max. Earth dist.	-912 May 03 j 07:09	3°♃26'57	20.30950 AU	direct	-905 Feb 15 j 03:24	0°♃01'54	
retrograde	-912 Aug 22 j 09:47	7°♃40'28					
opposition	-912 Nov 05 j 19:26	5°♃38'49	0°-20'-6	conjunction	-905 Jun 05 j 18:58	4°♃20'40	0°03'45
min. Earth dist.	-912 Nov 06 j 02:58	5°♃38'01	18.27428 AU	minimum elong	-905 Jun 05 j 18:58	4°♃20'40	0°03'47
direct	-911 Jan 19 j 11:49	3°♃37'45		behind sun begin	-905 Jun 05 j 12:15	4°♃19'41	
				behind sun end	-905 Jun 06 j 01:41	4°♃21'40	
conjunction	-911 May 08 j 10:07	7°♃46'49	0°-16'-36	max. Earth dist.	-905 Jun 04 j 22:05	4°♃17'31	19.83420 AU
minimum elong	-911 May 08 j 10:07	7°♃46'49	0°16'38	retrograde	-905 Sep 23 j 17:45	8°♃38'58	
max. Earth dist.	-911 May 08 j 00:52	7°♃45'28	20.23940 AU	opposition	-905 Dec 06 j 20:21	6°♃36'49	0°06'03
retrograde	-911 Aug 27 j 02:09	11°♃59'56		min. Earth dist.	-905 Dec 07 j 14:07	6°♃34'54	17.80174 AU
opposition	-911 Nov 10 j 06:59	9°♃58'09	0°-16'-39	direct	-904 Feb 19 j 22:46	4°♃33'10	
min. Earth dist.	-911 Nov 10 j 15:27	9°♃57'15	18.20427 AU				
direct	-910 Jan 24 j 01:15	7°♃56'42		conjunction	-904 Jun 09 j 19:30	8°♃53'31	0°07'15
				minimum elong	-904 Jun 09 j 19:30	8°♃53'31	0°07'16

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Attention, astronomical year style is used: The year -904 in astronomical counting style is the year 905 BCE in historical counting style.

behind sun begin	-904 Jun 09 j 13:17	8° II 52'36	
behind sun end	-904 Jun 10 j 01:43	8° II 54'26	
max. Earth dist.	-904 Jun 08 j 20:15	8° II 50'00	19.76955 AU
retrograde	-904 Sep 27 j 12:57	13° II 12'34	
opposition	-904 Dec 10 j 13:28	11° II 10'21	0°09'57
min. Earth dist.	-904 Dec 11 j 09:44	11° II 08'09	17.73781 AU
direct	-903 Feb 23 j 16:15	9° II 06'18	
conjunction	-903 Jun 14 j 20:42	13° II 28'12	0°10'44
minimum elong	-903 Jun 14 j 20:42	13° II 28'12	0°10'45
behind sun begin	-903 Jun 14 j 15:34	13° II 27'26	
behind sun end	-903 Jun 15 j 01:50	13° II 28'57	
max. Earth dist.	-903 Jun 13 j 20:02	13° II 24'26	19.70638 AU
retrograde	-903 Oct 02 j 11:47	17° II 47'57	
opposition	-903 Dec 15 j 07:18	15° II 45'39	0°13'49
min. Earth dist.	-903 Dec 16 j 03:54	15° II 43'25	17.67554 AU
direct	-902 Feb 28 j 13:32	13° II 41'13	
conjunction	-902 Jun 19 j 22:17	18° II 04'35	0°14'10
minimum elong	-902 Jun 19 j 22:17	18° II 04'35	0°14'11
behind sun begin	-902 Jun 19 j 19:14	18° II 04'07	
behind sun end	-902 Jun 20 j 01:21	18° II 05'02	
max. Earth dist.	-902 Jun 18 j 20:13	18° II 00'36	19.64510 AU
retrograde	-902 Oct 07 j 07:42	22° II 25'01	
opposition	-902 Dec 20 j 02:00	20° II 22'37	0°17'37
min. Earth dist.	-902 Dec 21 j 00:42	20° II 20'09	17.61565 AU
direct	-901 Mar 05 j 08:57	18° II 17'48	
max. Earth dist.	-901 Jun 23 j 21:02	22° II 38'21	19.58670 AU
conjunction	-901 Jun 25 j 00:28	22° II 42'34	0°17'32
minimum elong	-901 Jun 25 j 00:28	22° II 42'34	0°17'32
retrograde	-901 Oct 12 j 06:54	27° II 03'36	
opposition	-901 Dec 24 j 21:09	25° II 01'07	0°21'19
min. Earth dist.	-901 Dec 25 j 19:55	24° II 58'38	17.55889 AU
direct	-900 Mar 09 j 08:10	22° II 55'56	
max. Earth dist.	-900 Jun 27 j 23:17	27° II 17'43	19.53163 AU
conjunction	-900 Jun 29 j 03:15	27° II 22'02	0°20'47
minimum elong	-900 Jun 29 j 03:14	27° II 22'02	0°20'49
	-900 Aug 13 j 17:01	0° ☿	
retrograde	-900 Oct 16 j 03:18	1° ☿ 43'36	
	-900 Dec 21 j 11:15	30° R II	
opposition	-900 Dec 28 j 17:19	29° II 41'03	0°24'53
min. Earth dist.	-900 Dec 29 j 17:44	29° II 38'22	17.50591 AU