

Planetary Phenomena of Uranus from -1400 through -898 (UT), Astrodienst AG 18-Feb-2025 14:23, 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 01:52	6° \mathring{U} 53'44	0°32'12	direct	-1394 Apr 23 j 19:53	3° \mathring{U} 33'09	
min. Earth dist.	-1400 Jan 10 j 03:32	6° \mathring{U} 50'56	17.35065 AU	evening set	-1394 Jul 29 j 03:28	7° \mathring{U} 05'01	
direct	-1400 Mar 24 j 23:08	4° \mathring{U} 47'30		max. Earth dist.	-1394 Aug 13 j 10:45	8° \mathring{U} 02'42	19.23969 AU
evening set	-1400 Jun 28 j 20:01	8° \mathring{U} 16'49					
max. Earth dist.	-1400 Jul 14 j 06:13	9° \mathring{U} 14'17	19.33334 AU	conjunction	-1394 Aug 14 j 12:48	8° \mathring{U} 06'50	0°42'35
				minimum elong	-1394 Aug 14 j 12:48	8° \mathring{U} 06'50	0°42'36
conjunction	-1400 Jul 15 j 11:57	9° \mathring{U} 18'56	0°30'19	morning rise	-1394 Aug 30 j 18:08	9° \mathring{U} 08'03	
minimum elong	-1400 Jul 15 j 11:57	9° \mathring{U} 18'56	0°30'20	retrograde	-1394 Nov 29 j 23:06	12° \mathring{U} 30'39	
morning rise	-1400 Aug 01 j 00:19	10° \mathring{U} 20'34		opposition	-1393 Feb 11 j 09:16	10° \mathring{U} 28'17	0°48'08
retrograde	-1400 Oct 31 j 20:31	13° \mathring{U} 42'48		min. Earth dist.	-1393 Feb 12 j 06:46	10° \mathring{U} 25'57	17.24309 AU
opposition	-1399 Jan 13 j 01:26	11° \mathring{U} 40'21	0°35'18	direct	-1393 Apr 29 j 02:17	8° \mathring{U} 21'23	
min. Earth dist.	-1399 Jan 14 j 02:52	11° \mathring{U} 37'33	17.31804 AU	evening set	-1393 Aug 03 j 07:37	11° \mathring{U} 53'15	
direct	-1399 Mar 30 j 01:55	9° \mathring{U} 33'54					
evening set	-1399 Jul 04 j 01:33	13° \mathring{U} 03'56		conjunction	-1393 Aug 19 j 15:50	12° \mathring{U} 54'56	0°43'39
max. Earth dist.	-1399 Jul 19 j 09:58	14° \mathring{U} 01'17	19.30310 AU	minimum elong	-1393 Aug 19 j 15:50	12° \mathring{U} 54'56	0°43'40
				max. Earth dist.	-1393 Aug 18 j 16:04	12° \mathring{U} 51'10	19.24730 AU
conjunction	-1399 Jul 20 j 16:29	14° \mathring{U} 06'05	0°32'59	morning rise	-1393 Sep 04 j 19:46	13° \mathring{U} 56'00	
minimum elong	-1399 Jul 20 j 16:29	14° \mathring{U} 06'05	0°33'01		-1393 Sep 22 j 18:28	15° \mathring{U}	
morning rise	-1399 Aug 06 j 03:50	15° \mathring{U} 07'44		retrograde	-1393 Dec 04 j 22:19	17° \mathring{U} 18'30	
retrograde	-1399 Nov 05 j 19:56	18° \mathring{U} 30'09		opposition	-1392 Feb 16 j 11:55	15° \mathring{U} 16'16	0°49'10
opposition	-1398 Jan 18 j 01:40	16° \mathring{U} 27'41	0°38'09	min. Earth dist.	-1392 Feb 17 j 09:04	15° \mathring{U} 13'58	17.25412 AU
min. Earth dist.	-1398 Jan 19 j 03:47	16° \mathring{U} 24'49	17.29039 AU		-1392 Feb 22 j 18:09	15° \mathring{U}	
direct	-1398 Apr 04 j 03:22	14° \mathring{U} 21'02		direct	-1392 May 03 j 05:49	13° \mathring{U} 09'30	
evening set	-1398 Jul 09 j 07:06	17° \mathring{U} 51'41			-1392 Jul 08 j 23:35	15° \mathring{U}	
				evening set	-1392 Aug 07 j 11:31	16° \mathring{U} 41'16	
conjunction	-1398 Jul 25 j 21:06	18° \mathring{U} 53'50	0°35'26				
minimum elong	-1398 Jul 25 j 21:06	18° \mathring{U} 53'50	0°35'27	conjunction	-1392 Aug 23 j 18:22	17° \mathring{U} 42'46	0°44'25
max. Earth dist.	-1398 Jul 24 j 15:26	18° \mathring{U} 49'10	19.27806 AU	minimum elong	-1392 Aug 23 j 18:22	17° \mathring{U} 42'46	0°44'26
morning rise	-1398 Aug 11 j 07:15	19° \mathring{U} 55'26		max. Earth dist.	-1392 Aug 22 j 19:23	17° \mathring{U} 39'08	19.26177 AU
retrograde	-1398 Nov 10 j 22:04	23° \mathring{U} 18'00		morning rise	-1392 Sep 08 j 21:15	18° \mathring{U} 43'41	
opposition	-1397 Jan 23 j 02:18	21° \mathring{U} 15'30	0°40'45	retrograde	-1392 Dec 08 j 23:54	22° \mathring{U} 06'03	
min. Earth dist.	-1397 Jan 24 j 03:26	21° \mathring{U} 12'45	17.26804 AU	opposition	-1391 Feb 20 j 14:27	20° \mathring{U} 03'57	0°49'51
direct	-1397 Apr 09 j 07:59	19° \mathring{U} 08'43		min. Earth dist.	-1391 Feb 21 j 09:22	20° \mathring{U} 01'55	17.27173 AU
evening set	-1397 Jul 14 j 12:37	22° \mathring{U} 39'51		direct	-1391 May 08 j 11:23	17° \mathring{U} 57'23	
max. Earth dist.	-1397 Jul 29 j 20:08	23° \mathring{U} 37'19	19.25860 AU	evening set	-1391 Aug 12 j 14:48	21° \mathring{U} 28'55	
conjunction	-1397 Jul 31 j 01:30	23° \mathring{U} 41'57	0°37'37	conjunction	-1391 Aug 28 j 20:34	22° \mathring{U} 30'15	0°44'53
minimum elong	-1397 Jul 31 j 01:30	23° \mathring{U} 41'57	0°37'39	minimum elong	-1391 Aug 28 j 20:34	22° \mathring{U} 30'15	0°44'55
morning rise	-1397 Aug 16 j 10:26	24° \mathring{U} 43'30		max. Earth dist.	-1391 Aug 28 j 00:13	22° \mathring{U} 27'01	19.28238 AU
retrograde	-1397 Nov 15 j 20:58	28° \mathring{U} 06'09		morning rise	-1391 Sep 13 j 22:06	23° \mathring{U} 30'58	
opposition	-1396 Jan 28 j 03:36	26° \mathring{U} 03'38	0°43'04	retrograde	-1391 Dec 13 j 23:32	26° \mathring{U} 53'08	
min. Earth dist.	-1396 Jan 29 j 05:04	26° \mathring{U} 00'51	17.25176 AU	opposition	-1390 Feb 25 j 17:26	24° \mathring{U} 51'13	0°50'12
direct	-1396 Apr 13 j 10:36	23° \mathring{U} 56'43		min. Earth dist.	-1390 Feb 26 j 11:49	24° \mathring{U} 49'14	17.29515 AU
evening set	-1396 Jul 18 j 17:42	27° \mathring{U} 28'13		direct	-1390 May 13 j 15:01	22° \mathring{U} 44'53	
max. Earth dist.	-1396 Aug 03 j 01:09	28° \mathring{U} 25'46	19.24553 AU	evening set	-1390 Aug 17 j 17:41	26° \mathring{U} 16'04	
conjunction	-1396 Aug 04 j 05:27	28° \mathring{U} 30'15	0°39'33	conjunction	-1390 Sep 02 j 21:59	27° \mathring{U} 17'10	0°45'02
minimum elong	-1396 Aug 04 j 05:27	28° \mathring{U} 30'15	0°39'35	minimum elong	-1390 Sep 02 j 21:59	27° \mathring{U} 17'10	0°45'03
morning rise	-1396 Aug 20 j 13:15	29° \mathring{U} 31'43		max. Earth dist.	-1390 Sep 02 j 02:16	27° \mathring{U} 14'02	19.30860 AU
	-1396 Aug 28 j 07:21	0° \mathring{U}		morning rise	-1390 Sep 18 j 22:29	28° \mathring{U} 17'41	
retrograde	-1396 Nov 19 j 22:39	2° \mathring{U} 54'23			-1390 Oct 18 j 20:01	0° \mathring{U}	
opposition	-1395 Feb 01 j 05:07	0° \mathring{U} 51'53	0°45'04	retrograde	-1390 Dec 19 j 00:39	1° \mathring{U} 39'38	
min. Earth dist.	-1395 Feb 02 j 04:50	0° \mathring{U} 49'17	17.24191 AU		-1389 Feb 22 j 05:28	30° \mathring{U}	
	-1395 Feb 21 j 14:39	30° \mathring{U}		opposition	-1389 Mar 02 j 20:25	29° \mathring{U} 37'52	0°50'11
direct	-1395 Apr 18 j 16:41	28° \mathring{U} 44'55		min. Earth dist.	-1389 Mar 03 j 12:37	29° \mathring{U} 36'08	17.32396 AU
	-1395 Jun 11 j 23:07	0° \mathring{U}		direct	-1389 May 18 j 19:57	27° \mathring{U} 31'47	
evening set	-1395 Jul 23 j 22:42	2° \mathring{U} 16'38			-1389 Aug 05 j 07:08	0° \mathring{U}	
max. Earth dist.	-1395 Aug 08 j 06:22	3° \mathring{U} 14'19	19.23904 AU	evening set	-1389 Aug 22 j 19:46	1° \mathring{U} 02'29	
conjunction	-1395 Aug 09 j 09:20	3° \mathring{U} 18'35	0°41'12	conjunction	-1389 Sep 07 j 23:00	2° \mathring{U} 03'21	0°44'53
minimum elong	-1395 Aug 09 j 09:20	3° \mathring{U} 18'35	0°41'13	minimum elong	-1389 Sep 07 j 23:00	2° \mathring{U} 03'21	0°44'54
morning rise	-1395 Aug 25 j 15:47	4° \mathring{U} 19'56		max. Earth dist.	-1389 Sep 07 j 06:09	2° \mathring{U} 00'41	19.33988 AU
retrograde	-1395 Nov 24 j 21:18	7° \mathring{U} 42'35		morning rise	-1389 Sep 23 j 22:12	3° \mathring{U} 03'39	
opposition	-1394 Feb 06 j 07:02	5° \mathring{U} 40'08	0°46'46	retrograde	-1389 Dec 24 j 00:09	6° \mathring{U} 25'17	
min. Earth dist.	-1394 Feb 07 j 06:46	5° \mathring{U} 37'32	17.23897 AU	opposition	-1388 Mar 06 j 23:30	4° \mathring{U} 23'41	0°49'50

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Attention, astronomical year style is used: The year -1388 in astronomical counting style is the year 1389 BCE in historical counting style.

min. Earth dist.	-1388 Mar 07 j 14:41	4° <u>♎</u> 22'04	17.35752 AU	max. Earth dist.	-1382 Oct 10 j 02:45	4° <u>♎</u> 48'38	19.67141 AU
direct	-1388 May 22 j 23:33	2° <u>♎</u> 17'53		morning rise	-1382 Oct 25 j 22:52	5° <u>♎</u> 47'34	
evening set	-1388 Aug 26 j 21:10	5° <u>♎</u> 47'58		retrograde	-1381 Jan 25 j 06:52	9° <u>♎</u> 05'50	
				opposition	-1381 Apr 10 j 12:20	7° <u>♎</u> 04'54	0°38'29
conjunction	-1388 Sep 11 j 23:03	6° <u>♎</u> 48'35	0°44'25	min. Earth dist.	-1381 Apr 10 j 14:03	7° <u>♎</u> 04'43	17.70216 AU
minimum elong	-1388 Sep 11 j 23:03	6° <u>♎</u> 48'35	0°44'25	direct	-1381 Jun 26 j 19:12	5° <u>♎</u> 01'16	
max. Earth dist.	-1388 Sep 11 j 06:52	6° <u>♎</u> 46'01	19.37573 AU	evening set	-1381 Sep 29 j 04:52	8° <u>♎</u> 24'14	
morning rise	-1388 Sep 27 j 21:20	7° <u>♎</u> 48'39					
retrograde	-1388 Dec 28 j 00:24	11° <u>♎</u> 09'57		conjunction	-1381 Oct 14 j 23:36	9° <u>♎</u> 22'45	0°33'24
opposition	-1387 Mar 12 j 02:20	9° <u>♎</u> 08'29	0°49'08	minimum elong	-1381 Oct 14 j 23:36	9° <u>♎</u> 22'45	0°33'24
min. Earth dist.	-1387 Mar 12 j 15:34	9° <u>♎</u> 07'04	17.39548 AU	max. Earth dist.	-1381 Oct 14 j 23:13	9° <u>♎</u> 22'42	19.73395 AU
direct	-1387 May 28 j 03:32	7° <u>♎</u> 02'56		morning rise	-1381 Oct 30 j 16:01	10° <u>♎</u> 20'56	
evening set	-1387 Aug 31 j 21:45	10° <u>♎</u> 32'19		retrograde	-1380 Jan 30 j 02:03	13° <u>♎</u> 38'35	
				opposition	-1380 Apr 14 j 12:00	11° <u>♎</u> 37'47	0°35'49
conjunction	-1387 Sep 16 j 22:36	11° <u>♎</u> 32'40	0°43'39	min. Earth dist.	-1380 Apr 14 j 10:31	11° <u>♎</u> 37'57	17.76644 AU
minimum elong	-1387 Sep 16 j 22:36	11° <u>♎</u> 32'40	0°43'39	direct	-1380 Jun 30 j 20:02	9° <u>♎</u> 34'33	
max. Earth dist.	-1387 Sep 16 j 09:15	11° <u>♎</u> 30'33	19.41569 AU	evening set	-1380 Oct 02 j 22:28	12° <u>♎</u> 56'16	
morning rise	-1387 Oct 02 j 19:41	12° <u>♎</u> 32'28					
retrograde	-1386 Jan 01 j 23:12	15° <u>♎</u> 53'22		conjunction	-1380 Oct 18 j 16:24	13° <u>♎</u> 54'28	0°30'55
opposition	-1386 Mar 17 j 04:58	13° <u>♎</u> 52'02	0°48'06	minimum elong	-1380 Oct 18 j 16:24	13° <u>♎</u> 54'28	0°30'55
min. Earth dist.	-1386 Mar 17 j 16:44	13° <u>♎</u> 50'47	17.43724 AU	max. Earth dist.	-1380 Oct 18 j 18:24	13° <u>♎</u> 54'46	19.79996 AU
direct	-1386 Jun 02 j 07:11	11° <u>♎</u> 46'48		morning rise	-1380 Nov 03 j 08:18	14° <u>♎</u> 52'23	
evening set	-1386 Sep 05 j 21:37	15° <u>♎</u> 15'19		retrograde	-1379 Feb 02 j 19:35	18° <u>♎</u> 09'26	
				opposition	-1379 Apr 19 j 11:15	16° <u>♎</u> 08'47	0°32'56
conjunction	-1386 Sep 21 j 21:09	16° <u>♎</u> 15'23	0°42'35	min. Earth dist.	-1379 Apr 19 j 08:22	16° <u>♎</u> 09'05	17.83406 AU
minimum elong	-1386 Sep 21 j 21:09	16° <u>♎</u> 15'23	0°42'36	direct	-1379 Jul 05 j 17:08	14° <u>♎</u> 05'59	
max. Earth dist.	-1386 Sep 21 j 08:45	16° <u>♎</u> 13'26	19.45943 AU	evening set	-1379 Oct 07 j 15:04	17° <u>♎</u> 26'25	
morning rise	-1386 Oct 07 j 17:24	17° <u>♎</u> 14'56					
retrograde	-1385 Jan 06 j 22:01	20° <u>♎</u> 35'23		conjunction	-1379 Oct 23 j 08:17	18° <u>♎</u> 24'18	0°28'16
opposition	-1385 Mar 22 j 07:25	18° <u>♎</u> 34'08	0°46'45	minimum elong	-1379 Oct 23 j 08:17	18° <u>♎</u> 24'18	0°28'16
min. Earth dist.	-1385 Mar 22 j 17:22	18° <u>♎</u> 33'05	17.48286 AU	max. Earth dist.	-1379 Oct 23 j 12:31	18° <u>♎</u> 24'57	19.86905 AU
direct	-1385 Jun 07 j 10:31	16° <u>♎</u> 29'11		morning rise	-1379 Nov 07 j 23:44	19° <u>♎</u> 21'56	
evening set	-1385 Sep 10 j 20:11	19° <u>♎</u> 56'46		retrograde	-1378 Feb 07 j 14:24	22° <u>♎</u> 38'22	
				opposition	-1378 Apr 24 j 09:42	20° <u>♎</u> 37'54	0°29'53
conjunction	-1385 Sep 26 j 18:47	20° <u>♎</u> 56'32	0°41'15	min. Earth dist.	-1378 Apr 24 j 03:36	20° <u>♎</u> 38'32	17.90424 AU
minimum elong	-1385 Sep 26 j 18:47	20° <u>♎</u> 56'32	0°41'14	direct	-1378 Jul 10 j 16:10	18° <u>♎</u> 35'34	
max. Earth dist.	-1385 Sep 26 j 09:19	20° <u>♎</u> 55'03	19.50694 AU	evening set	-1378 Oct 12 j 06:47	21° <u>♎</u> 54'42	
morning rise	-1385 Oct 12 j 14:03	21° <u>♎</u> 55'50					
retrograde	-1384 Jan 11 j 19:24	25° <u>♎</u> 15'46		conjunction	-1378 Oct 27 j 23:21	22° <u>♎</u> 52'16	0°25'28
opposition	-1384 Mar 26 j 09:25	23° <u>♎</u> 14'37	0°45'05	minimum elong	-1378 Oct 27 j 23:21	22° <u>♎</u> 52'16	0°25'27
min. Earth dist.	-1384 Mar 26 j 17:13	23° <u>♎</u> 13'47	17.53202 AU	max. Earth dist.	-1378 Oct 28 j 06:07	22° <u>♎</u> 53'18	19.94029 AU
direct	-1384 Jun 11 j 14:22	21° <u>♎</u> 09'59		morning rise	-1378 Nov 12 j 14:24	23° <u>♎</u> 49'39	
evening set	-1384 Sep 14 j 18:00	24° <u>♎</u> 36'30		retrograde	-1377 Feb 12 j 06:49	27° <u>♎</u> 05'28	
				opposition	-1377 Apr 29 j 07:44	25° <u>♎</u> 05'11	0°26'40
conjunction	-1384 Sep 30 j 15:28	25° <u>♎</u> 35'58	0°39'38	min. Earth dist.	-1377 Apr 29 j 00:33	25° <u>♎</u> 05'55	17.97640 AU
minimum elong	-1384 Sep 30 j 15:28	25° <u>♎</u> 35'58	0°39'39	direct	-1377 Jul 15 j 11:19	23° <u>♎</u> 03'19	
max. Earth dist.	-1384 Sep 30 j 07:26	25° <u>♎</u> 34'42	19.55799 AU	evening set	-1377 Oct 16 j 21:30	26° <u>♎</u> 21'07	
morning rise	-1384 Oct 16 j 09:59	26° <u>♎</u> 34'59					
retrograde	-1383 Jan 15 j 16:06	29° <u>♎</u> 54'23		conjunction	-1377 Nov 01 j 13:28	27° <u>♎</u> 18'23	0°22'31
opposition	-1383 Mar 31 j 10:48	27° <u>♎</u> 53'18	0°43'09	minimum elong	-1377 Nov 01 j 13:29	27° <u>♎</u> 18'23	0°22'30
min. Earth dist.	-1383 Mar 31 j 17:00	27° <u>♎</u> 52'38	17.58497 AU	max. Earth dist.	-1377 Nov 01 j 21:59	27° <u>♎</u> 19'41	20.01313 AU
direct	-1383 Jun 16 j 16:19	25° <u>♎</u> 48'57		morning rise	-1377 Nov 17 j 04:18	28° <u>♎</u> 15'30	
evening set	-1383 Sep 19 j 14:40	29° <u>♎</u> 14'22			-1377 Dec 19 j 01:30	0° <u>♎</u>	
	-1383 Oct 01 j 21:01	0° <u>♎</u>		retrograde	-1376 Feb 17 j 00:58	1° <u>♎</u> 30'43	
					-1376 Apr 21 j 03:49	30° <u>♎</u>	
conjunction	-1383 Oct 05 j 11:14	0° <u>♎</u> 13'31	0°37'47	opposition	-1376 May 03 j 04:53	29° <u>♎</u> 30'36	0°23'19
minimum elong	-1383 Oct 05 j 11:14	0° <u>♎</u> 13'31	0°37'46	min. Earth dist.	-1376 May 02 j 18:42	29° <u>♎</u> 31'38	18.04958 AU
max. Earth dist.	-1383 Oct 05 j 06:03	0° <u>♎</u> 12'42	19.61285 AU	direct	-1376 Jul 19 j 08:40	27° <u>♎</u> 29'12	
morning rise	-1383 Oct 21 j 04:56	1° <u>♎</u> 12'15			-1376 Oct 07 j 08:16	0° <u>♎</u>	
retrograde	-1382 Jan 20 j 12:02	4° <u>♎</u> 31'05		evening set	-1376 Oct 20 j 11:26	0° <u>♎</u> 45'40	
opposition	-1382 Apr 05 j 11:46	2° <u>♎</u> 30'04	0°40'56				
min. Earth dist.	-1382 Apr 05 j 15:10	2° <u>♎</u> 29'43	17.64158 AU	conjunction	-1376 Nov 05 j 02:57	1° <u>♎</u> 42'39	0°19'27
direct	-1382 Jun 21 j 19:16	0° <u>♎</u> 26'04		minimum elong	-1376 Nov 05 j 02:57	1° <u>♎</u> 42'39	0°19'26
evening set	-1382 Sep 24 j 10:17	3° <u>♎</u> 50'17		max. Earth dist.	-1376 Nov 05 j 13:53	1° <u>♎</u> 44'18	20.08644 AU
				morning rise	-1376 Nov 20 j 17:28	2° <u>♎</u> 39'30	
conjunction	-1382 Oct 10 j 05:49	4° <u>♎</u> 49'07	0°35'42	retrograde	-1375 Feb 20 j 16:14	5° <u>♎</u> 54'06	
minimum elong	-1382 Oct 10 j 05:50	4° <u>♎</u> 49'07	0°35'42	opposition	-1375 May 08 j 01:22	3° <u>♎</u> 54'09	0°19'50

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Attention, astronomical year style is used: The year -1375 in astronomical counting style is the year 1376 BCE in historical counting style.

min. Earth dist.	-1375 May 07 j 14:30	3°M.55'15	18.12296 AU	conjunction	-1370 Nov 30 j 19:18	27°M.27'54	-0°00'14
direct	-1375 Jul 24 j 02:36	1°M.53'12		minimum elong	-1370 Nov 30 j 19:19	27°M.27'54	0°00'15
evening set	-1375 Oct 25 j 00:36	5°M.08'21		behind sun begin	-1370 Nov 30 j 12:50	27°M.26'58	
				behind sun end	-1370 Dec 01 j 01:47	27°M.28'51	
conjunction	-1375 Nov 09 j 15:36	6°M.05'01	0°16'18	max. Earth dist.	-1370 Dec 01 j 15:39	27°M.30'56	20.50279 AU
minimum elong	-1375 Nov 09 j 15:36	6°M.05'01	0°16'17	morning rise	-1370 Dec 16 j 10:06	28°M.23'25	
behind sun begin	-1375 Nov 09 j 15:24	6°M.05'00			-1369 Jan 15 j 12:41	0°Z	
behind sun end	-1375 Nov 09 j 15:49	6°M.05'03		retrograde	-1369 Mar 19 j 03:25	1°Z.34'21	
max. Earth dist.	-1375 Nov 10 j 03:43	6°M.06'52	20.15969 AU		-1369 May 25 j 01:11	30°R.M.	
morning rise	-1375 Nov 25 j 06:04	7°M.01'38		opposition	-1369 Jun 04 j 12:18	29°M.34'53	-0°02'05
retrograde	-1374 Feb 25 j 08:53	10°M.15'36		min. Earth dist.	-1369 Jun 03 j 16:28	29°M.36'53	18.53445 AU
opposition	-1374 May 12 j 21:09	8°M.15'48	0°16'17	direct	-1369 Aug 20 j 06:55	27°M.36'06	
min. Earth dist.	-1374 May 12 j 07:34	8°M.17'11	18.19582 AU		-1369 Nov 06 j 16:20	0°Z	
direct	-1374 Jul 28 j 22:26	6°M.15'18		evening set	-1369 Nov 19 j 13:19	0°Z.43'31	
evening set	-1374 Oct 29 j 12:44	9°M.29'06					
				conjunction	-1369 Dec 05 j 03:21	1°Z.38'41	-0°03'35
conjunction	-1374 Nov 14 j 03:27	10°M.25'30	0°13'04	minimum elong	-1369 Dec 05 j 03:20	1°Z.38'41	0°03'37
minimum elong	-1374 Nov 14 j 03:27	10°M.25'30	0°13'04	behind sun begin	-1369 Dec 04 j 20:51	1°Z.37'45	
behind sun begin	-1374 Nov 13 j 23:24	10°M.24'54		behind sun end	-1369 Dec 05 j 09:48	1°Z.39'37	
behind sun end	-1374 Nov 14 j 07:29	10°M.26'06		max. Earth dist.	-1369 Dec 06 j 00:10	1°Z.41'47	20.56570 AU
max. Earth dist.	-1374 Nov 14 j 17:56	10°M.27'41	20.23192 AU	morning rise	-1369 Dec 20 j 18:34	2°Z.34'01	
morning rise	-1374 Nov 29 j 17:44	11°M.21'52		retrograde	-1368 Mar 22 j 15:49	5°Z.44'24	
retrograde	-1373 Mar 01 j 23:06	14°M.35'14		min. Earth dist.	-1368 Jun 07 j 05:15	3°Z.47'09	18.59656 AU
opposition	-1373 May 17 j 16:22	12°M.35'32	0°12'39	opposition	-1368 Jun 08 j 03:08	3°Z.44'57	-0°05'43
min. Earth dist.	-1373 May 17 j 02:13	12°M.36'59	18.26742 AU	direct	-1368 Aug 23 j 20:05	1°Z.46'28	
direct	-1373 Aug 02 j 15:26	10°M.35'27		evening set	-1368 Nov 22 j 20:42	4°Z.52'45	
evening set	-1373 Nov 03 j 00:12	13°M.47'55					
				conjunction	-1368 Dec 08 j 10:54	5°Z.47'43	-0°06'49
conjunction	-1373 Nov 18 j 14:34	14°M.44'03	0°09'48	minimum elong	-1368 Dec 08 j 10:54	5°Z.47'43	0°06'51
minimum elong	-1373 Nov 18 j 14:34	14°M.44'03	0°09'46	behind sun begin	-1368 Dec 08 j 04:48	5°Z.46'50	
behind sun begin	-1373 Nov 18 j 09:11	14°M.43'15		behind sun end	-1368 Dec 08 j 16:59	5°Z.48'36	
behind sun end	-1373 Nov 18 j 19:58	14°M.44'50		max. Earth dist.	-1368 Dec 09 j 10:02	5°Z.51'08	20.62681 AU
max. Earth dist.	-1373 Nov 19 j 05:47	14°M.46'20	20.30272 AU	morning rise	-1368 Dec 24 j 02:18	6°Z.42'53	
	-1373 Nov 23 j 00:06	15°M.		retrograde	-1367 Mar 27 j 01:39	9°Z.52'45	
morning rise	-1373 Dec 04 j 05:00	15°M.40'11		opposition	-1367 Jun 12 j 17:10	7°Z.53'22	-0°09'17
retrograde	-1372 Mar 05 j 14:06	18°M.52'56		min. Earth dist.	-1367 Jun 11 j 18:36	7°Z.55'38	18.65685 AU
opposition	-1372 May 21 j 10:27	16°M.53'19	0°08'58	direct	-1367 Aug 28 j 08:45	5°Z.55'12	
min. Earth dist.	-1372 May 20 j 17:58	16°M.55'00	18.33730 AU	evening set	-1367 Nov 27 j 03:36	9°Z.00'24	
	-1372 Jul 21 j 10:01	15°R.M.					
direct	-1372 Aug 06 j 09:04	14°M.53'36		conjunction	-1367 Dec 12 j 17:48	9°Z.55'11	-0°10'00
	-1372 Aug 22 j 03:51	15°M.		minimum elong	-1367 Dec 12 j 17:48	9°Z.55'11	0°10'01
evening set	-1372 Nov 06 j 10:43	18°M.04'46		behind sun begin	-1367 Dec 12 j 12:29	9°Z.54'25	
				behind sun end	-1367 Dec 12 j 23:08	9°Z.55'57	
conjunction	-1372 Nov 22 j 01:01	19°M.00'39	0°06'29	max. Earth dist.	-1367 Dec 13 j 17:14	9°Z.58'38	20.68626 AU
minimum elong	-1372 Nov 22 j 01:01	19°M.00'39	0°06'29	morning rise	-1367 Dec 28 j 09:45	10°Z.50'11	
behind sun begin	-1372 Nov 21 j 18:51	18°M.59'44		retrograde	-1366 Mar 31 j 13:26	13°Z.59'36	
behind sun end	-1372 Nov 22 j 07:10	19°M.01'33		min. Earth dist.	-1366 Jun 16 j 06:15	12°Z.02'43	18.71542 AU
max. Earth dist.	-1372 Nov 22 j 18:25	19°M.03'15	20.37148 AU	opposition	-1366 Jun 17 j 06:34	12°Z.00'17	-0°12'46
morning rise	-1372 Dec 07 j 15:25	19°M.56'33		direct	-1366 Sep 01 j 19:50	10°Z.02'25	
retrograde	-1371 Mar 10 j 02:44	23°M.08'41		evening set	-1366 Dec 01 j 09:43	13°Z.06'37	
min. Earth dist.	-1371 May 25 j 10:59	21°M.10'51	18.40500 AU				
opposition	-1371 May 26 j 03:57	21°M.09'08	0°05'17	conjunction	-1366 Dec 17 j 00:18	14°Z.01'14	-0°13'06
direct	-1371 Aug 11 j 00:59	19°M.09'45		minimum elong	-1366 Dec 17 j 00:18	14°Z.01'14	0°13'08
evening set	-1371 Nov 10 j 20:23	22°M.19'38		behind sun begin	-1366 Dec 16 j 20:19	14°Z.00'40	
				behind sun end	-1366 Dec 17 j 04:17	14°Z.01'48	
conjunction	-1371 Nov 26 j 10:26	23°M.15'15	0°03'10	max. Earth dist.	-1366 Dec 18 j 01:57	14°Z.05'00	20.74367 AU
minimum elong	-1371 Nov 26 j 10:26	23°M.15'15	0°03'09	morning rise	-1365 Jan 01 j 16:35	14°Z.56'07	
behind sun begin	-1371 Nov 26 j 03:56	23°M.14'18		retrograde	-1365 Apr 04 j 22:10	18°Z.05'05	
behind sun end	-1371 Nov 26 j 16:56	23°M.16'12		opposition	-1365 Jun 21 j 19:16	16°Z.05'52	-0°16'11
max. Earth dist.	-1371 Nov 27 j 04:24	23°M.17'56	20.43817 AU	min. Earth dist.	-1365 Jun 20 j 18:25	16°Z.08'21	18.77167 AU
morning rise	-1371 Dec 12 j 01:07	24°M.10'58		direct	-1365 Sep 06 j 06:37	14°Z.08'20	
retrograde	-1370 Mar 14 j 16:16	27°M.22'29		evening set	-1365 Dec 05 j 15:39	17°Z.11'35	
opposition	-1370 May 30 j 20:31	25°M.22'59	0°01'35				
min. Earth dist.	-1370 May 30 j 01:20	25°M.24'55	18.47069 AU	conjunction	-1365 Dec 21 j 06:23	18°Z.06'03	-0°16'09
direct	-1370 Aug 15 j 16:25	23°M.23'54		minimum elong	-1365 Dec 21 j 06:23	18°Z.06'03	0°16'09
desc. node	-1370 Nov 06 j 01:26	26°M.01'08		behind sun begin	-1365 Dec 21 j 05:39	18°Z.05'56	
evening set	-1370 Nov 15 j 05:12	26°M.32'31		behind sun end	-1365 Dec 21 j 07:06	18°Z.06'09	

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Attention, astronomical year style is used: The year -1365 in astronomical counting style is the year 1366 BCE in historical counting style.

max. Earth dist.	-1365 Dec 22 j 07:58	18° \mathring{A} 09'47	20.79868 AU	min. Earth dist.	-1358 Jul 19 j 17:06	14° \mathring{Z} 19'38	19.05875 AU
morning rise	-1364 Jan 05 j 23:21	19° \mathring{A} 00'48		direct	-1358 Oct 04 j 13:13	12° \mathring{Z} 20'53	
retrograde	-1364 Apr 08 j 09:17	22° \mathring{A} 09'23		evening set	-1357 Jan 02 j 00:35	15° \mathring{Z} 19'18	
min. Earth dist.	-1364 Jun 24 j 05:10	20° \mathring{A} 12'51	18.82533 AU				
opposition	-1364 Jun 25 j 07:07	20° \mathring{A} 10'16	-0°19'30	conjunction	-1357 Jan 17 j 19:03	16° \mathring{Z} 13'12	-0°34'09
direct	-1364 Sep 09 j 15:50	18° \mathring{A} 13'01		minimum elong	-1357 Jan 17 j 19:03	16° \mathring{Z} 13'12	0°34'10
evening set	-1364 Dec 08 j 21:02	21° \mathring{A} 15'25		max. Earth dist.	-1357 Jan 18 j 23:05	16° \mathring{Z} 17'13	21.06925 AU
				morning rise	-1357 Feb 02 j 16:48	17° \mathring{Z} 07'33	
conjunction	-1364 Dec 24 j 12:14	22° \mathring{A} 09'45	-0°19'05	retrograde	-1357 May 07 j 20:18	20° \mathring{Z} 14'14	
minimum elong	-1364 Dec 24 j 12:14	22° \mathring{A} 09'45	0°19'07	min. Earth dist.	-1357 Jul 24 j 01:33	18° \mathring{Z} 17'51	19.07935 AU
max. Earth dist.	-1364 Dec 25 j 15:41	22° \mathring{A} 13'45	20.85066 AU	opposition	-1357 Jul 25 j 03:32	18° \mathring{Z} 15'15	-0°38'51
morning rise	-1363 Jan 09 j 05:37	23° \mathring{A} 04'24		direct	-1357 Oct 08 j 19:44	16° \mathring{Z} 19'10	
retrograde	-1363 Apr 12 j 17:14	26° \mathring{A} 12'38		evening set	-1356 Jan 06 j 04:42	19° \mathring{Z} 17'07	
opposition	-1363 Jun 29 j 18:32	24° \mathring{A} 13'36	-0°22'42				
min. Earth dist.	-1363 Jun 28 j 16:18	24° \mathring{A} 16'13	18.87561 AU	conjunction	-1356 Jan 21 j 23:45	20° \mathring{Z} 10'59	-0°36'06
direct	-1363 Sep 14 j 01:05	22° \mathring{A} 16'39		minimum elong	-1356 Jan 21 j 23:44	20° \mathring{Z} 10'59	0°36'08
evening set	-1363 Dec 13 j 02:07	25° \mathring{A} 18'14		max. Earth dist.	-1356 Jan 23 j 02:24	20° \mathring{Z} 14'48	21.08740 AU
				morning rise	-1356 Feb 06 j 22:30	21° \mathring{Z} 05'22	
conjunction	-1363 Dec 28 j 17:34	26° \mathring{A} 12'26	-0°21'56	retrograde	-1356 May 11 j 04:18	24° \mathring{Z} 11'52	
minimum elong	-1363 Dec 28 j 17:34	26° \mathring{A} 12'26	0°21'57	min. Earth dist.	-1356 Jul 27 j 09:41	22° \mathring{Z} 15'20	19.09518 AU
max. Earth dist.	-1363 Dec 29 j 20:38	26° \mathring{A} 16'22	20.89913 AU	opposition	-1356 Jul 28 j 11:08	22° \mathring{Z} 12'47	-0°40'54
morning rise	-1362 Jan 13 j 11:43	27° \mathring{A} 07'01		direct	-1356 Oct 12 j 01:11	20° \mathring{Z} 16'41	
	-1362 Mar 23 j 09:58	0° \mathring{Z}		evening set	-1355 Jan 09 j 08:34	23° \mathring{Z} 14'16	
retrograde	-1362 Apr 17 j 03:26	0° \mathring{Z} 14'56					
	-1362 May 12 j 06:26	30° \mathring{R} \mathring{A}		conjunction	-1355 Jan 25 j 04:30	24° \mathring{Z} 08'09	-0°37'53
min. Earth dist.	-1362 Jul 03 j 02:35	28° \mathring{A} 18'39	18.92218 AU	minimum elong	-1355 Jan 25 j 04:30	24° \mathring{Z} 08'09	0°37'54
opposition	-1362 Jul 04 j 05:26	28° \mathring{A} 15'59	-0°25'46	max. Earth dist.	-1355 Jan 26 j 08:03	24° \mathring{Z} 12'05	21.10090 AU
direct	-1362 Sep 18 j 08:48	26° \mathring{A} 19'17		morning rise	-1355 Feb 10 j 03:59	25° \mathring{Z} 02'32	
evening set	-1362 Dec 17 j 06:58	29° \mathring{A} 20'07		retrograde	-1355 May 15 j 11:22	28° \mathring{Z} 08'55	
	-1362 Dec 28 j 20:52	0° \mathring{Z}		opposition	-1355 Aug 01 j 18:23	26° \mathring{Z} 09'45	-0°42'46
				min. Earth dist.	-1355 Jul 31 j 17:04	26° \mathring{Z} 12'17	19.10652 AU
conjunction	-1361 Jan 01 j 23:00	0° \mathring{Z} 14'14	-0°24'39	direct	-1355 Oct 16 j 06:29	24° \mathring{Z} 13'39	
minimum elong	-1361 Jan 01 j 23:00	0° \mathring{Z} 14'14	0°24'40	evening set	-1354 Jan 13 j 12:26	27° \mathring{Z} 10'55	
max. Earth dist.	-1361 Jan 03 j 03:31	0° \mathring{Z} 18'22	20.94343 AU				
morning rise	-1361 Jan 17 j 17:40	1° \mathring{Z} 08'44		conjunction	-1354 Jan 29 j 09:02	28° \mathring{Z} 04'49	-0°39'29
retrograde	-1361 Apr 21 j 11:26	4° \mathring{Z} 16'21		minimum elong	-1354 Jan 29 j 09:02	28° \mathring{Z} 04'49	0°39'30
opposition	-1361 Jul 08 j 15:38	2° \mathring{Z} 17'29	-0°28'43	max. Earth dist.	-1354 Jan 30 j 11:16	28° \mathring{Z} 08'34	21.11025 AU
min. Earth dist.	-1361 Jul 07 j 12:51	2° \mathring{Z} 20'09	18.96419 AU	morning rise	-1354 Feb 14 j 09:35	28° \mathring{Z} 59'15	
direct	-1361 Sep 22 j 17:09	0° \mathring{Z} 21'01			-1354 Mar 05 j 10:15	0° $\mathring{\approx}$	
evening set	-1361 Dec 21 j 11:44	3° \mathring{Z} 21'09		retrograde	-1354 May 19 j 19:10	2° $\mathring{\approx}$ 05'34	
				min. Earth dist.	-1354 Aug 05 j 00:38	0° $\mathring{\approx}$ 08'47	19.11393 AU
conjunction	-1360 Jan 06 j 04:10	4° \mathring{Z} 15'11	-0°27'15	opposition	-1354 Aug 06 j 01:22	0° $\mathring{\approx}$ 06'18	-0°44'26
minimum elong	-1360 Jan 06 j 04:09	4° \mathring{Z} 15'11	0°27'17		-1354 Aug 08 j 16:14	30° \mathring{R} \mathring{Z}	
max. Earth dist.	-1360 Jan 07 j 07:40	4° \mathring{Z} 19'09	20.98300 AU	direct	-1354 Oct 20 j 11:08	28° \mathring{Z} 10'11	
morning rise	-1360 Jan 21 j 23:41	5° \mathring{Z} 09'38			-1354 Dec 27 j 09:44	0° $\mathring{\approx}$	
retrograde	-1360 Apr 24 j 20:39	8° \mathring{Z} 16'59		evening set	-1353 Jan 17 j 16:23	1° $\mathring{\approx}$ 07'15	
min. Earth dist.	-1360 Jul 10 j 22:36	6° \mathring{Z} 20'48	19.00125 AU				
opposition	-1360 Jul 12 j 01:23	6° \mathring{Z} 18'08	-0°31'30	conjunction	-1353 Feb 02 j 13:59	2° $\mathring{\approx}$ 01'12	-0°40'54
direct	-1360 Sep 25 j 23:34	4° \mathring{Z} 21'50		minimum elong	-1353 Feb 02 j 13:59	2° $\mathring{\approx}$ 01'12	0°40'55
evening set	-1360 Dec 24 j 16:10	7° \mathring{Z} 21'21		max. Earth dist.	-1353 Feb 03 j 16:58	2° $\mathring{\approx}$ 05'03	21.11562 AU
				morning rise	-1353 Feb 18 j 15:19	2° $\mathring{\approx}$ 55'41	
conjunction	-1359 Jan 09 j 09:17	8° \mathring{Z} 15'19	-0°29'42	retrograde	-1353 May 24 j 02:29	6° $\mathring{\approx}$ 01'58	
minimum elong	-1359 Jan 09 j 09:17	8° \mathring{Z} 15'19	0°29'43	min. Earth dist.	-1353 Aug 09 j 07:20	4° $\mathring{\approx}$ 05'06	19.11734 AU
max. Earth dist.	-1359 Jan 10 j 13:46	8° \mathring{Z} 19'25	21.01722 AU	opposition	-1353 Aug 10 j 07:48	4° $\mathring{\approx}$ 02'39	-0°45'53
morning rise	-1359 Jan 25 j 05:21	9° \mathring{Z} 09'43		direct	-1353 Oct 24 j 15:56	2° $\mathring{\approx}$ 06'31	
retrograde	-1359 Apr 29 j 04:25	12° \mathring{Z} 16'50		evening set	-1352 Jan 21 j 20:37	5° $\mathring{\approx}$ 03'28	
min. Earth dist.	-1359 Jul 15 j 08:01	10° \mathring{Z} 20'37	19.03269 AU				
opposition	-1359 Jul 16 j 10:35	10° \mathring{Z} 17'59	-0°34'08	conjunction	-1352 Feb 06 j 18:57	5° $\mathring{\approx}$ 57'29	-0°42'07
direct	-1359 Sep 30 j 07:18	8° \mathring{Z} 21'48		minimum elong	-1352 Feb 06 j 18:57	5° $\mathring{\approx}$ 57'29	0°42'07
evening set	-1359 Dec 28 j 20:33	11° \mathring{Z} 20'44		max. Earth dist.	-1352 Feb 07 j 20:19	6° $\mathring{\approx}$ 01'05	21.11715 AU
				morning rise	-1352 Feb 22 j 21:24	6° $\mathring{\approx}$ 52'03	
conjunction	-1358 Jan 13 j 14:10	12° \mathring{Z} 14'39	-0°32'00	retrograde	-1352 May 27 j 10:16	9° $\mathring{\approx}$ 58'22	
minimum elong	-1358 Jan 13 j 14:10	12° \mathring{Z} 14'39	0°32'02	opposition	-1352 Aug 13 j 14:12	7° $\mathring{\approx}$ 58'59	-0°47'07
max. Earth dist.	-1358 Jan 14 j 17:21	12° \mathring{Z} 18'34	21.04596 AU	min. Earth dist.	-1352 Aug 12 j 14:38	8° $\mathring{\approx}$ 01'21	19.11696 AU
morning rise	-1358 Jan 29 j 11:12	13° \mathring{Z} 09'01		direct	-1352 Oct 27 j 19:22	6° $\mathring{\approx}$ 02'50	
retrograde	-1358 May 03 j 12:59	16° \mathring{Z} 15'55		evening set	-1351 Jan 25 j 00:47	8° $\mathring{\approx}$ 59'46	
opposition	-1358 Jul 20 j 19:21	14° \mathring{Z} 17'01	-0°36'35				

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Attention, astronomical year style is used: The year -1351 in astronomical counting style is the year 1352 BCE in historical counting style.

conjunction	-1351 Feb 10 j 00:10	9° \approx 53'52	-0°43'08	minimum elong	-1345 Mar 06 j 17:09	3° \approx 43'12	0°44'53
minimum elong	-1351 Feb 10 j 00:10	9° \approx 53'52	0°43'09	max. Earth dist.	-1345 Mar 07 j 11:02	3° \approx 45'45	21.00344 AU
max. Earth dist.	-1351 Feb 11 j 02:05	9° \approx 57'33	21.11473 AU	morning rise	-1345 Mar 23 j 02:19	4° \approx 38'45	
morning rise	-1351 Feb 26 j 03:24	10° \approx 48'31		retrograde	-1345 Jun 25 j 23:20	7° \approx 46'32	
retrograde	-1351 May 31 j 18:09	13° \approx 54'56		opposition	-1345 Sep 11 j 08:52	5° \approx 46'45	-0°49'22
opposition	-1351 Aug 17 j 20:23	11° \approx 55'31	-0°48'08	min. Earth dist.	-1345 Sep 10 j 17:48	5° \approx 48'17	18.98572 AU
min. Earth dist.	-1351 Aug 16 j 21:11	11° \approx 57'52	19.11247 AU	direct	-1345 Nov 25 j 01:57	3° \approx 49'56	
direct	-1351 Nov 01 j 00:17	9° \approx 59'22		evening set	-1344 Feb 22 j 19:28	6° \approx 48'48	
evening set	-1350 Jan 29 j 05:30	12° \approx 56'21					
conjunction	-1350 Feb 14 j 05:41	13° \approx 50'33	-0°43'57	conjunction	-1344 Mar 10 j 01:45	7° \approx 43'59	-0°44'24
minimum elong	-1350 Feb 14 j 05:41	13° \approx 50'33	0°43'57	minimum elong	-1344 Mar 10 j 01:45	7° \approx 43'59	0°44'25
max. Earth dist.	-1350 Feb 15 j 05:43	13° \approx 53'58	21.10832 AU	max. Earth dist.	-1344 Mar 10 j 16:39	7° \approx 46'07	20.96630 AU
morning rise	-1350 Mar 02 j 10:05	14° \approx 45'19		morning rise	-1344 Mar 26 j 12:03	8° \approx 39'44	
retrograde	-1350 Mar 06 j 20:51	15° \approx		retrograde	-1344 Jun 29 j 09:17	11° \approx 47'50	
min. Earth dist.	-1350 Jun 05 j 02:23	17° \approx 51'53		opposition	-1344 Sep 14 j 15:14	9° \approx 47'52	-0°48'43
opposition	-1350 Aug 21 j 04:37	15° \approx 54'39	19.10397 AU	min. Earth dist.	-1344 Sep 14 j 02:22	9° \approx 49'11	18.94610 AU
direct	-1350 Aug 22 j 02:30	15° \approx 52'26	-0°48'55	direct	-1344 Nov 28 j 07:08	7° \approx 50'47	
evening set	-1350 Sep 13 j 13:28	15° \approx		evening set	-1343 Feb 26 j 03:24	10° \approx 50'10	
conjunction	-1350 Nov 05 j 02:58	13° \approx 56'15		conjunction	-1343 Mar 14 j 10:53	11° \approx 45'35	-0°43'43
minimum elong	-1350 Dec 25 j 20:23	15° \approx		minimum elong	-1343 Mar 14 j 10:53	11° \approx 45'35	0°43'43
max. Earth dist.	-1349 Feb 02 j 10:29	16° \approx 53'22		max. Earth dist.	-1343 Mar 15 j 01:14	11° \approx 47'38	20.92438 AU
morning rise	-1349 Feb 18 j 11:49	17° \approx 47'42	-0°44'34	morning rise	-1343 Mar 30 j 21:58	12° \approx 41'32	
retrograde	-1349 Feb 18 j 11:49	17° \approx 47'42	0°44'36	retrograde	-1343 Jul 03 j 18:29	15° \approx 49'58	
opposition	-1349 Feb 19 j 11:59	17° \approx 51'08	21.09756 AU	opposition	-1343 Sep 18 j 21:38	13° \approx 49'49	-0°47'50
min. Earth dist.	-1349 Mar 06 j 17:03	18° \approx 42'36		min. Earth dist.	-1343 Sep 18 j 09:45	13° \approx 51'02	18.90193 AU
direct	-1349 Jun 09 j 10:57	21° \approx 49'20		direct	-1343 Dec 02 j 13:12	11° \approx 52'27	
evening set	-1349 Aug 25 j 11:22	19° \approx 52'01	19.09081 AU	evening set	-1342 Mar 02 j 12:16	14° \approx 52'25	
conjunction	-1349 Aug 26 j 08:29	19° \approx 49'53	-0°49'29	conjunction	-1342 Mar 18 j 20:38	15° \approx 48'04	-0°42'48
minimum elong	-1349 Nov 09 j 08:05	17° \approx 53'40		minimum elong	-1342 Mar 18 j 20:38	15° \approx 48'04	0°42'49
max. Earth dist.	-1348 Feb 06 j 16:08	20° \approx 51'00		max. Earth dist.	-1342 Mar 19 j 08:07	15° \approx 49'42	20.87835 AU
morning rise	-1348 Feb 22 j 18:15	21° \approx 45'28	-0°44'58	morning rise	-1342 Apr 04 j 08:50	16° \approx 44'14	
retrograde	-1348 Feb 22 j 18:15	21° \approx 45'28	0°44'59	retrograde	-1342 Jul 08 j 04:13	19° \approx 53'02	
opposition	-1348 Feb 23 j 16:01	21° \approx 48'33	21.08204 AU	opposition	-1342 Sep 23 j 04:11	17° \approx 52'41	-0°46'43
min. Earth dist.	-1348 Mar 10 j 00:37	22° \approx 40'30		min. Earth dist.	-1342 Sep 22 j 18:35	17° \approx 53'40	18.85411 AU
direct	-1348 Jun 12 j 19:49	25° \approx 47'29		direct	-1342 Dec 06 j 18:54	15° \approx 54'59	
evening set	-1348 Aug 29 j 14:29	23° \approx 47'59	-0°49'49	evening set	-1341 Mar 06 j 21:38	18° \approx 55'38	
conjunction	-1348 Aug 28 j 19:09	23° \approx 49'56	19.07278 AU	conjunction	-1341 Mar 23 j 07:13	19° \approx 51'32	-0°41'40
minimum elong	-1348 Nov 12 j 11:14	21° \approx 51'40		minimum elong	-1341 Mar 23 j 07:13	19° \approx 51'32	0°41'40
max. Earth dist.	-1347 Feb 09 j 22:07	24° \approx 49'19		max. Earth dist.	-1341 Mar 23 j 18:05	19° \approx 53'05	20.82885 AU
morning rise	-1347 Feb 26 j 01:23	25° \approx 43'57	-0°45'10	morning rise	-1341 Apr 08 j 20:09	20° \approx 47'55	
retrograde	-1347 Feb 26 j 01:24	25° \approx 43'57	0°45'11	retrograde	-1341 Jul 12 j 14:48	23° \approx 57'06	
opposition	-1347 Feb 26 j 22:48	25° \approx 46'59	21.06137 AU	opposition	-1341 Sep 27 j 10:56	21° \approx 56'35	-0°45'22
min. Earth dist.	-1347 Mar 14 j 08:33	26° \approx 39'08		min. Earth dist.	-1341 Sep 27 j 02:14	21° \approx 57'29	18.80299 AU
direct	-1347 Jun 17 j 04:45	29° \approx 46'22		direct	-1341 Dec 11 j 01:52	19° \approx 58'34	
evening set	-1347 Sep 02 j 20:32	27° \approx 46'49	-0°49'54	evening set	-1340 Mar 10 j 07:49	22° \approx 59'57	
conjunction	-1347 Sep 02 j 02:12	27° \approx 48'40	19.04934 AU	conjunction	-1340 Mar 26 j 18:13	23° \approx 56'06	-0°40'20
minimum elong	-1347 Nov 16 j 16:20	25° \approx 50'24		minimum elong	-1340 Mar 26 j 18:13	23° \approx 56'06	0°40'20
max. Earth dist.	-1346 Feb 14 j 04:40	28° \approx 48'23		max. Earth dist.	-1340 Mar 27 j 02:11	23° \approx 57'14	20.77636 AU
morning rise	-1346 Mar 02 j 08:50	29° \approx 43'11	-0°45'08	morning rise	-1340 Apr 12 j 08:08	24° \approx 52'44	
retrograde	-1346 Mar 02 j 08:50	29° \approx 43'11	0°45'08	retrograde	-1340 Jul 16 j 00:37	28° \approx 02'21	
opposition	-1346 Mar 03 j 03:26	29° \approx 45'50	21.03523 AU	opposition	-1340 Sep 30 j 18:05	26° \approx 01'39	-0°43'46
min. Earth dist.	-1346 Mar 07 j 07:00	0° \approx		min. Earth dist.	-1340 Sep 30 j 11:37	26° \approx 02'20	18.74925 AU
direct	-1346 Mar 18 j 17:11	0° \approx 38'33		direct	-1340 Dec 14 j 07:56	24° \approx 03'19	
evening set	-1346 Jun 21 j 14:31	3° \approx 46'04		evening set	-1339 Mar 14 j 18:34	27° \approx 05'31	
conjunction	-1346 Sep 06 j 10:34	1° \approx 48'03	19.02036 AU	conjunction	-1339 Mar 31 j 06:10	28° \approx 01'56	-0°38'47
minimum elong	-1346 Sep 07 j 02:48	1° \approx 46'24	-0°49'45	minimum elong	-1339 Mar 31 j 06:10	28° \approx 01'56	0°38'47
max. Earth dist.	-1346 Oct 31 j 21:58	30° \approx		max. Earth dist.	-1339 Mar 31 j 13:31	28° \approx 02'59	20.72148 AU
morning rise	-1346 Nov 20 j 20:38	29° \approx 49'48		morning rise	-1339 Apr 16 j 20:44	28° \approx 58'49	
retrograde	-1346 Dec 10 j 16:48	0° \approx		retrograde	-1339 May 05 j 20:24	0° \approx	
opposition	-1345 Feb 18 j 11:45	2° \approx 48'12		opposition	-1339 Jul 20 j 12:39	2° \approx 08'54	
conjunction	-1345 Mar 06 j 17:09	3° \approx 43'12	-0°44'53	min. Earth dist.	-1339 Oct 05 j 01:28	0° \approx 08'03	-0°41'57
					-1339 Oct 04 j 19:49	0° \approx 08'39	18.69323 AU

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Attention, astronomical year style is used: The year -1339 in astronomical counting style is the year 1340 BCE in historical counting style.

	-1339 Oct 08 j 06:53	30° \mathbb{R} 8		max. Earth dist.	-1332 Apr 30 j 09:19	27° \mathbb{Y} 29'04	20.28102 AU
direct	-1339 Dec 18 j 15:59	28° \mathbb{X} 09'24		morning rise	-1332 May 17 j 13:00	28° \mathbb{Y} 29'09	
	-1338 Feb 24 j 12:10	0° \mathbb{Y}			-1332 Jun 14 j 22:07	0° \mathbb{B}	
evening set	-1338 Mar 19 j 06:18	1° \mathbb{Y} 12'29		retrograde	-1332 Aug 19 j 13:09	1° \mathbb{B} 43'19	
					-1332 Oct 26 j 16:54	30° \mathbb{R} \mathbb{Y}	
conjunction	-1338 Apr 04 j 18:43	2° \mathbb{Y} 09'11	-0°37'01	opposition	-1332 Nov 02 j 20:45	29° \mathbb{Y} 41'47	-0°23'13
minimum elong	-1338 Apr 04 j 18:43	2° \mathbb{Y} 09'11	0°37'01	min. Earth dist.	-1332 Nov 03 j 04:59	29° \mathbb{Y} 40'54	18.24550 AU
max. Earth dist.	-1338 Apr 04 j 23:07	2° \mathbb{Y} 09'49	20.66451 AU	direct	-1331 Jan 16 j 11:51	27° \mathbb{Y} 40'45	
morning rise	-1338 Apr 21 j 10:16	3° \mathbb{Y} 06'20			-1331 Apr 03 j 06:46	0° \mathbb{B}	
retrograde	-1338 Jul 24 j 23:30	6° \mathbb{Y} 16'56		evening set	-1331 Apr 18 j 19:14	0° \mathbb{B} 51'47	
opposition	-1338 Oct 09 j 09:27	4° \mathbb{Y} 15'58	-0°39'54				
min. Earth dist.	-1338 Oct 09 j 06:11	4° \mathbb{Y} 16'18	18.63529 AU	conjunction	-1331 May 05 j 13:21	1° \mathbb{B} 50'39	-0°19'26
direct	-1338 Dec 22 j 22:37	2° \mathbb{Y} 16'59		minimum elong	-1331 May 05 j 13:21	1° \mathbb{B} 50'39	0°19'25
evening set	-1337 Mar 23 j 18:52	5° \mathbb{Y} 21'03		max. Earth dist.	-1331 May 05 j 02:53	1° \mathbb{B} 49'07	20.20991 AU
				morning rise	-1331 May 22 j 08:28	2° \mathbb{B} 49'43	
conjunction	-1337 Apr 09 j 08:24	6° \mathbb{Y} 18'02	-0°35'04	retrograde	-1331 Aug 24 j 06:57	6° \mathbb{B} 04'29	
minimum elong	-1337 Apr 09 j 08:24	6° \mathbb{Y} 18'02	0°35'04	opposition	-1331 Nov 07 j 08:44	4° \mathbb{B} 02'48	-0°19'48
max. Earth dist.	-1337 Apr 09 j 11:56	6° \mathbb{Y} 18'33	20.60565 AU	min. Earth dist.	-1331 Nov 07 j 17:57	4° \mathbb{B} 01'49	18.17366 AU
morning rise	-1337 Apr 26 j 00:30	7° \mathbb{Y} 15'26		direct	-1330 Jan 21 j 02:12	2° \mathbb{B} 01'20	
retrograde	-1337 Jul 29 j 12:57	10° \mathbb{Y} 26'34		evening set	-1330 Apr 23 j 14:46	5° \mathbb{B} 13'39	
opposition	-1337 Oct 13 j 17:40	8° \mathbb{Y} 25'31	-0°37'38				
min. Earth dist.	-1337 Oct 13 j 15:18	8° \mathbb{Y} 25'46	18.57542 AU	conjunction	-1330 May 10 j 09:22	6° \mathbb{B} 12'50	-0°16'16
direct	-1337 Dec 27 j 07:58	6° \mathbb{Y} 26'14		minimum elong	-1330 May 10 j 09:21	6° \mathbb{B} 12'50	0°16'16
evening set	-1336 Mar 27 j 08:30	9° \mathbb{Y} 31'20		max. Earth dist.	-1330 May 09 j 20:01	6° \mathbb{B} 10'52	20.13756 AU
				morning rise	-1330 May 27 j 04:46	7° \mathbb{B} 12'10	
conjunction	-1336 Apr 12 j 22:45	10° \mathbb{Y} 28'38	-0°32'55	retrograde	-1330 Aug 28 j 22:43	10° \mathbb{B} 27'32	
minimum elong	-1336 Apr 12 j 22:45	10° \mathbb{Y} 28'38	0°32'54	opposition	-1330 Nov 11 j 21:37	8° \mathbb{B} 25'41	-0°16'14
max. Earth dist.	-1336 Apr 12 j 23:13	10° \mathbb{Y} 28'42	20.54494 AU	min. Earth dist.	-1330 Nov 12 j 09:40	8° \mathbb{B} 24'24	18.10105 AU
morning rise	-1336 Apr 29 j 15:40	11° \mathbb{Y} 26'19		direct	-1329 Jan 25 j 14:56	6° \mathbb{B} 23'46	
retrograde	-1336 Aug 02 j 01:13	14° \mathbb{Y} 38'02		evening set	-1329 Apr 28 j 11:06	9° \mathbb{B} 37'23	
opposition	-1336 Oct 17 j 02:41	12° \mathbb{Y} 36'53	-0°35'09				
min. Earth dist.	-1336 Oct 17 j 02:55	12° \mathbb{Y} 36'52	18.51379 AU	conjunction	-1329 May 15 j 06:12	10° \mathbb{B} 36'52	-0°13'00
direct	-1336 Dec 30 j 15:42	10° \mathbb{Y} 37'18		minimum elong	-1329 May 15 j 06:12	10° \mathbb{B} 36'52	0°12'59
evening set	-1335 Mar 31 j 22:49	13° \mathbb{Y} 43'30		behind sun begin	-1329 May 15 j 02:14	10° \mathbb{B} 36'17	
				behind sun end	-1329 May 15 j 10:09	10° \mathbb{B} 37'26	
conjunction	-1335 Apr 17 j 14:06	14° \mathbb{Y} 41'07	-0°30'34	max. Earth dist.	-1329 May 14 j 15:14	10° \mathbb{B} 34'39	20.06488 AU
minimum elong	-1335 Apr 17 j 14:06	14° \mathbb{Y} 41'07	0°30'34	morning rise	-1329 Jun 01 j 01:42	11° \mathbb{B} 36'28	
max. Earth dist.	-1335 Apr 17 j 13:29	14° \mathbb{Y} 41'01	20.48236 AU	retrograde	-1329 Sep 02 j 18:07	14° \mathbb{B} 52'25	
morning rise	-1335 May 04 j 07:30	15° \mathbb{Y} 39'04		opposition	-1329 Nov 16 j 10:56	12° \mathbb{B} 50'25	-0°12'33
retrograde	-1335 Aug 06 j 16:18	18° \mathbb{Y} 51'23		min. Earth dist.	-1329 Nov 16 j 23:41	12° \mathbb{B} 49'03	18.02844 AU
opposition	-1335 Oct 21 j 12:10	16° \mathbb{Y} 50'10	-0°32'28	direct	-1328 Jan 30 j 07:01	10° \mathbb{B} 48'02	
min. Earth dist.	-1335 Oct 21 j 13:26	16° \mathbb{Y} 50'02	18.45008 AU	evening set	-1328 May 02 j 08:22	14° \mathbb{B} 02'58	
direct	-1334 Jan 04 j 02:28	14° \mathbb{Y} 50'17		max. Earth dist.	-1328 May 18 j 10:35	15° \mathbb{B} 00'11	19.99250 AU
evening set	-1334 Apr 05 j 14:34	17° \mathbb{Y} 57'39			-1328 May 18 j 09:19	15° \mathbb{B}	
conjunction	-1334 Apr 22 j 06:30	18° \mathbb{Y} 55'33	-0°28'02	conjunction	-1328 May 19 j 03:46	15° \mathbb{B} 02'45	-0°09'39
minimum elong	-1334 Apr 22 j 06:30	18° \mathbb{Y} 55'33	0°28'01	minimum elong	-1328 May 19 j 03:46	15° \mathbb{B} 02'45	0°09'38
max. Earth dist.	-1334 Apr 22 j 02:32	18° \mathbb{Y} 54'59	20.41754 AU	behind sun begin	-1328 May 18 j 22:13	15° \mathbb{B} 01'56	
morning rise	-1334 May 09 j 00:34	19° \mathbb{Y} 53'48		behind sun end	-1328 May 19 j 09:19	15° \mathbb{B} 03'33	
retrograde	-1334 Aug 11 j 05:58	23° \mathbb{Y} 06'44		morning rise	-1328 Jun 04 j 23:17	16° \mathbb{B} 02'36	
opposition	-1334 Oct 25 j 22:20	21° \mathbb{Y} 05'25	-0°29'34	retrograde	-1328 Sep 06 j 10:58	19° \mathbb{B} 19'08	
min. Earth dist.	-1334 Oct 26 j 02:34	21° \mathbb{Y} 04'58	18.38415 AU	opposition	-1328 Nov 20 j 01:11	17° \mathbb{B} 17'00	-0°08'46
direct	-1333 Jan 08 j 11:59	19° \mathbb{Y} 05'11		min. Earth dist.	-1328 Nov 20 j 16:26	17° \mathbb{B} 15'21	17.95666 AU
evening set	-1333 Apr 10 j 07:11	22° \mathbb{Y} 13'45		direct	-1327 Feb 02 j 21:13	15° \mathbb{B} 14'09	
				evening set	-1327 May 07 j 06:18	18° \mathbb{B} 30'24	
conjunction	-1333 Apr 27 j 00:01	23° \mathbb{Y} 11'59	-0°25'19	max. Earth dist.	-1327 May 23 j 07:16	19° \mathbb{B} 27'40	19.92145 AU
minimum elong	-1333 Apr 27 j 00:01	23° \mathbb{Y} 11'59	0°25'18				
max. Earth dist.	-1333 Apr 26 j 18:28	23° \mathbb{Y} 11'11	20.35045 AU	conjunction	-1327 May 24 j 02:03	19° \mathbb{B} 30'29	-0°06'13
morning rise	-1333 May 13 j 18:26	24° \mathbb{Y} 10'30		minimum elong	-1327 May 24 j 02:02	19° \mathbb{B} 30'29	0°06'12
retrograde	-1333 Aug 15 j 22:24	27° \mathbb{Y} 24'03		behind sun begin	-1327 May 23 j 19:37	19° \mathbb{B} 29'32	
opposition	-1333 Oct 30 j 09:09	25° \mathbb{Y} 22'38	-0°26'29	behind sun end	-1327 May 24 j 08:27	19° \mathbb{B} 31'25	
min. Earth dist.	-1333 Oct 30 j 14:28	25° \mathbb{Y} 22'04	18.31584 AU	morning rise	-1327 Jun 09 j 21:34	20° \mathbb{B} 30'35	
direct	-1332 Jan 13 j 00:29	23° \mathbb{Y} 22'01		retrograde	-1327 Sep 11 j 07:30	23° \mathbb{B} 47'42	
evening set	-1332 Apr 14 j 00:47	26° \mathbb{Y} 31'49		opposition	-1327 Nov 24 j 16:01	21° \mathbb{B} 45'25	-0°04'54
				min. Earth dist.	-1327 Nov 25 j 07:44	21° \mathbb{B} 43'43	17.88645 AU
conjunction	-1332 Apr 30 j 18:08	27° \mathbb{Y} 30'22	-0°22'27	direct	-1326 Feb 07 j 14:43	19° \mathbb{B} 42'09	
minimum elong	-1332 Apr 30 j 18:08	27° \mathbb{Y} 30'22	0°22'27	evening set	-1326 May 12 j 05:20	22° \mathbb{B} 59'43	

Attention, astronomical year style is used: The year -1326 in astronomical counting style is the year 1327 BCE in historical counting style.

max. Earth dist.	-1326 May 28 j 04:53	23° 8 57'01	19.85213 AU	minimum elong	-1321 Jun 22 j 07:53	16° II 57'00	0°15'06
				behind sun begin	-1321 Jun 22 j 05:52	16° II 56'42	
conjunction	-1326 May 29 j 01:16	24° 8 00'05	-0°02'43	behind sun end	-1321 Jun 22 j 09:54	16° II 57'18	
minimum elong	-1326 May 29 j 01:15	24° 8 00'05	0°02'41	morning rise	-1321 Jul 09 j 00:57	17° II 58'15	
behind sun begin	-1326 May 28 j 18:28	23° 8 59'05		retrograde	-1321 Oct 09 j 12:15	21° II 18'42	
behind sun end	-1326 May 29 j 08:01	24° 8 01'05		opposition	-1321 Dec 22 j 02:40	19° II 16'13	0°18'38
morning rise	-1326 Jun 14 j 20:31	25° 8 00'25		min. Earth dist.	-1321 Dec 23 j 01:17	19° II 13'44	17.52549 AU
retrograde	-1326 Sep 16 j 01:36	28° 8 18'06		direct	-1320 Mar 06 j 13:36	17° II 10'59	
opposition	-1326 Nov 29 j 07:43	26° 8 15'43	-0°00'59	evening set	-1320 Jun 09 j 16:31	20° II 36'18	
min. Earth dist.	-1326 Nov 30 j 01:39	26° 8 13'46	17.81841 AU	max. Earth dist.	-1320 Jun 25 j 08:06	21° II 33'48	19.50040 AU
direct	-1325 Feb 12 j 06:54	24° 8 12'02					
asc. node	-1325 Mar 01 j 22:15	24° 8 20'18		conjunction	-1320 Jun 26 j 11:18	21° II 38'00	0°18'28
evening set	-1325 May 17 j 05:13	27° 8 30'57		minimum elong	-1320 Jun 26 j 11:18	21° II 38'00	0°18'29
max. Earth dist.	-1325 Jun 02 j 03:05	28° 8 28'14	19.78547 AU	morning rise	-1320 Jul 13 j 03:26	22° II 39'23	
				retrograde	-1320 Oct 13 j 11:01	26° II 00'16	
conjunction	-1325 Jun 03 j 01:11	28° 8 31'35	0°00'56	opposition	-1320 Dec 25 j 23:27	23° II 57'48	0°22'23
minimum elong	-1325 Jun 03 j 01:09	28° 8 31'34	0°00'56	min. Earth dist.	-1320 Dec 26 j 23:18	23° II 55'11	17.47666 AU
behind sun begin	-1325 Jun 02 j 18:22	28° 8 30'34		direct	-1319 Mar 11 j 12:51	21° II 52'19	
behind sun end	-1325 Jun 03 j 07:56	28° 8 32'34		evening set	-1319 Jun 14 j 20:56	25° II 18'44	
morning rise	-1325 Jun 19 j 20:15	29° 8 32'08		max. Earth dist.	-1319 Jun 30 j 09:40	26° II 16'02	19.45321 AU
	-1325 Jun 27 j 19:50	0° II					
retrograde	-1325 Sep 20 j 22:59	2° II 50'24		conjunction	-1319 Jul 01 j 15:01	26° II 20'34	0°21'46
opposition	-1325 Dec 04 j 00:12	0° II 47'56	0°02'58	minimum elong	-1319 Jul 01 j 15:01	26° II 20'34	0°21'48
min. Earth dist.	-1325 Dec 04 j 18:23	0° II 45'57	17.75324 AU	morning rise	-1319 Jul 18 j 06:30	27° II 22'03	
	-1325 Dec 22 j 20:54	30° 8 8			-1319 Sep 08 j 15:06	0° 8	
direct	-1324 Feb 17 j 02:05	28° 8 43'53		retrograde	-1319 Oct 18 j 10:45	0° 8 43'21	
	-1324 Apr 11 j 23:04	0° II			-1319 Nov 28 j 02:04	30° 8 II	
evening set	-1324 May 21 j 05:43	2° II 04'06		opposition	-1319 Dec 30 j 21:00	28° II 40'52	0°26'00
max. Earth dist.	-1324 Jun 06 j 02:50	3° II 01'32	19.72176 AU	min. Earth dist.	-1319 Dec 31 j 21:29	28° II 38'12	17.43124 AU
				direct	-1318 Mar 16 j 13:29	26° II 35'06	
conjunction	-1324 Jun 07 j 01:42	3° II 05'00	0°04'31		-1318 Jun 19 j 08:49	0° 8	
minimum elong	-1324 Jun 07 j 01:41	3° II 05'00	0°04'33	evening set	-1318 Jun 20 j 01:44	0° 8 02'34	
behind sun begin	-1324 Jun 06 j 19:02	3° II 04'01					
behind sun end	-1324 Jun 07 j 08:20	3° II 05'59		conjunction	-1318 Jul 06 j 19:19	1° 8 04'31	0°24'56
morning rise	-1324 Jun 23 j 20:18	4° II 05'45		minimum elong	-1318 Jul 06 j 19:18	1° 8 04'31	0°24'58
retrograde	-1324 Sep 24 j 18:18	7° II 24'36		max. Earth dist.	-1318 Jul 05 j 14:21	1° 8 00'01	19.40944 AU
opposition	-1324 Dec 07 j 17:38	5° II 22'05	0°06'56	morning rise	-1318 Jul 23 j 09:42	2° 8 06'04	
min. Earth dist.	-1324 Dec 08 j 13:41	5° II 19'54	17.69125 AU	retrograde	-1318 Oct 23 j 10:43	5° 8 27'42	
direct	-1323 Feb 20 j 20:29	3° II 17'43		opposition	-1317 Jan 04 j 19:19	3° 8 25'13	0°29'28
evening set	-1323 May 26 j 07:17	6° II 39'16		min. Earth dist.	-1317 Jan 05 j 20:25	3° 8 22'28	17.38932 AU
max. Earth dist.	-1323 Jun 11 j 02:18	7° II 36'37	19.66152 AU	direct	-1317 Mar 21 j 14:29	1° 8 19'12	
				evening set	-1317 Jun 25 j 07:01	4° 8 47'35	
conjunction	-1323 Jun 12 j 03:02	7° II 40'24	0°08'04				
minimum elong	-1323 Jun 12 j 03:01	7° II 40'24	0°08'05	conjunction	-1317 Jul 11 j 23:40	5° 8 49'38	0°27'57
behind sun begin	-1323 Jun 11 j 21:01	7° II 39'30		minimum elong	-1317 Jul 11 j 23:40	5° 8 49'38	0°27'58
behind sun end	-1323 Jun 12 j 09:02	7° II 41'17		max. Earth dist.	-1317 Jul 10 j 17:05	5° 8 44'51	19.36955 AU
morning rise	-1323 Jun 28 j 21:20	8° II 41'20		morning rise	-1317 Jul 28 j 13:12	6° 8 51'14	
retrograde	-1323 Sep 29 j 16:24	12° II 00'44		retrograde	-1317 Oct 28 j 10:58	10° 8 13'10	
opposition	-1323 Dec 12 j 11:38	9° II 58'13	0°10'53	opposition	-1316 Jan 09 j 18:19	8° 8 10'39	0°32'44
min. Earth dist.	-1323 Dec 13 j 08:04	9° II 55'59	17.63273 AU	min. Earth dist.	-1316 Jan 10 j 19:58	8° 8 07'51	17.35171 AU
direct	-1322 Feb 25 j 17:29	7° II 53'33		direct	-1316 Mar 25 j 16:06	6° 8 04'23	
evening set	-1322 May 31 j 09:39	11° II 16'24		evening set	-1316 Jun 29 j 12:09	9° 8 33'36	
max. Earth dist.	-1322 Jun 16 j 04:09	12° II 13'55	19.60455 AU	max. Earth dist.	-1316 Jul 14 j 22:26	10° 8 31'03	19.33417 AU
conjunction	-1322 Jun 17 j 05:17	12° II 17'45	0°11'35	conjunction	-1316 Jul 16 j 04:08	10° 8 35'42	0°30'47
minimum elong	-1322 Jun 17 j 05:16	12° II 17'45	0°11'36	minimum elong	-1316 Jul 16 j 04:08	10° 8 35'42	0°30'48
behind sun begin	-1322 Jun 17 j 00:31	12° II 17'03		morning rise	-1316 Aug 01 j 16:32	11° 8 37'19	
behind sun end	-1322 Jun 17 j 10:01	12° II 18'28		retrograde	-1316 Nov 01 j 11:42	14° 8 59'29	
morning rise	-1322 Jul 03 j 22:51	13° II 18'52		opposition	-1315 Jan 13 j 17:54	12° 8 56'58	0°35'47
retrograde	-1322 Oct 04 j 13:30	16° II 38'47		min. Earth dist.	-1315 Jan 14 j 19:22	12° 8 54'11	17.31868 AU
opposition	-1322 Dec 17 j 06:46	14° II 36'18	0°14'47	direct	-1315 Mar 30 j 18:28	10° 8 50'29	
min. Earth dist.	-1322 Dec 18 j 04:53	14° II 33'53	17.57745 AU	evening set	-1315 Jul 04 j 17:44	14° 8 20'24	
direct	-1321 Mar 02 j 14:38	12° II 31'21		max. Earth dist.	-1315 Jul 20 j 02:07	15° 8 17'45	19.30369 AU
evening set	-1321 Jun 05 j 12:48	15° II 55'28					
max. Earth dist.	-1321 Jun 21 j 04:40	16° II 52'49	19.55090 AU	conjunction	-1315 Jul 21 j 08:41	15° 8 22'32	0°33'24
				minimum elong	-1315 Jul 21 j 08:41	15° 8 22'32	0°33'24
conjunction	-1321 Jun 22 j 07:53	16° II 57'00	0°15'04	morning rise	-1315 Aug 06 j 20:03	16° 8 24'10	

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

retrograde	-1315 Nov 06 j 12:04	19°♄46'31			-1308 Jun 09 j 01:07	15°♄	
opposition	-1314 Jan 18 j 17:57	17°♄43'58	0°38'35	evening set	-1308 Aug 08 j 03:32	17°♄57'36	
min. Earth dist.	-1314 Jan 19 j 19:55	17°♄41'08	17.29102 AU	max. Earth dist.	-1308 Aug 23 j 11:31	18°♄55'29	19.26859 AU
direct	-1314 Apr 04 j 20:46	15°♄37'16					
evening set	-1314 Jul 09 j 23:12	19°♄07'50		conjunction	-1308 Aug 24 j 10:25	18°♄59'07	0°44'27
max. Earth dist.	-1314 Jul 25 j 07:47	20°♄05'20	19.27885 AU	minimum elong	-1308 Aug 24 j 10:25	18°♄59'07	0°44'28
				morning rise	-1308 Sep 09 j 13:22	20°♄00'01	
conjunction	-1314 Jul 26 j 13:13	20°♄09'58	0°35'47	retrograde	-1308 Dec 09 j 16:32	23°♄22'26	
minimum elong	-1314 Jul 26 j 13:13	20°♄09'58	0°35'49	opposition	-1307 Feb 21 j 06:48	21°♄20'28	0°49'51
morning rise	-1314 Aug 11 j 23:24	21°♄11'33		min. Earth dist.	-1307 Feb 22 j 01:37	21°♄18'26	17.27856 AU
retrograde	-1314 Nov 11 j 13:15	24°♄34'02		direct	-1307 May 09 j 03:19	19°♄14'02	
opposition	-1313 Jan 23 j 18:37	22°♄31'30	0°41'07	evening set	-1307 Aug 13 j 06:56	22°♄45'36	
min. Earth dist.	-1313 Jan 24 j 19:33	22°♄28'46	17.26911 AU				
direct	-1313 Apr 10 j 00:27	20°♄24'40		conjunction	-1307 Aug 29 j 12:42	23°♄46'55	0°44'52
evening set	-1313 Jul 15 j 04:30	23°♄55'42		minimum elong	-1307 Aug 29 j 12:42	23°♄46'55	0°44'52
				max. Earth dist.	-1307 Aug 28 j 16:14	23°♄43'40	19.28909 AU
conjunction	-1313 Jul 31 j 17:23	24°♄57'48	0°37'56	morning rise	-1307 Sep 14 j 14:15	24°♄47'38	
minimum elong	-1313 Jul 31 j 17:23	24°♄57'48	0°37'57	retrograde	-1307 Dec 14 j 16:02	28°♄09'51	
max. Earth dist.	-1313 Jul 30 j 12:15	24°♄53'12	19.26005 AU	opposition	-1306 Feb 26 j 09:46	26°♄08'02	0°50'08
morning rise	-1313 Aug 17 j 02:22	25°♄59'20		min. Earth dist.	-1306 Feb 27 j 04:16	26°♄06'03	17.30166 AU
retrograde	-1313 Nov 16 j 13:22	29°♄21'55		direct	-1306 May 14 j 07:05	24°♄01'49	
opposition	-1312 Jan 28 j 19:51	27°♄19'23	0°43'22	evening set	-1306 Aug 18 j 09:55	27°♄33'01	
min. Earth dist.	-1312 Jan 29 j 20:55	27°♄16'38	17.25372 AU				
direct	-1312 Apr 14 j 03:10	25°♄12'27		conjunction	-1306 Sep 03 j 14:15	28°♄34'06	0°44'57
evening set	-1312 Jul 19 j 09:38	28°♄43'52		minimum elong	-1306 Sep 03 j 14:15	28°♄34'06	0°44'58
				max. Earth dist.	-1306 Sep 02 j 18:20	28°♄30'57	19.31480 AU
conjunction	-1312 Aug 04 j 21:25	29°♄45'54	0°39'48	morning rise	-1306 Sep 19 j 14:47	29°♄34'37	
minimum elong	-1312 Aug 04 j 21:25	29°♄45'54	0°39'49		-1306 Sep 26 j 12:50	0°♄	
max. Earth dist.	-1312 Aug 03 j 17:31	29°♄41'30	19.24806 AU	retrograde	-1306 Dec 09 j 17:12	2°♄56'35	
	-1312 Aug 08 j 14:35	0°♄		opposition	-1305 Mar 03 j 12:47	0°♄54'54	0°50'03
morning rise	-1312 Aug 21 j 05:14	0°♄47'22		min. Earth dist.	-1305 Mar 04 j 05:04	0°♄53'09	17.32976 AU
retrograde	-1312 Nov 20 j 14:37	4°♄10'00			-1305 Mar 25 j 13:22	30°♄	
opposition	-1311 Feb 01 j 21:12	2°♄07'30	0°45'19	direct	-1305 May 19 j 12:01	28°♄48'54	
min. Earth dist.	-1311 Feb 02 j 20:33	2°♄04'57	17.24513 AU		-1305 Jul 11 j 08:17	0°♄	
direct	-1311 Apr 19 j 08:00	0°♄00'34		evening set	-1305 Aug 23 j 11:54	2°♄19'35	
evening set	-1311 Jul 24 j 14:38	3°♄32'15					
max. Earth dist.	-1311 Aug 08 j 22:35	4°♄29'59	19.24296 AU	conjunction	-1305 Sep 08 j 15:10	3°♄20'27	0°44'44
				minimum elong	-1305 Sep 08 j 15:10	3°♄20'27	0°44'43
conjunction	-1311 Aug 10 j 01:18	4°♄34'12	0°41'24	max. Earth dist.	-1305 Sep 07 j 22:03	3°♄17'44	19.34517 AU
minimum elong	-1311 Aug 10 j 01:17	4°♄34'12	0°41'26	morning rise	-1305 Sep 24 j 14:24	4°♄20'44	
morning rise	-1311 Aug 26 j 07:48	5°♄35'33		retrograde	-1305 Dec 24 j 16:47	7°♄42'22	
retrograde	-1311 Nov 25 j 14:23	8°♄58'12		opposition	-1304 Mar 07 j 15:50	5°♄40'49	0°49'37
opposition	-1310 Feb 06 j 23:15	6°♄55'48	0°46'57	min. Earth dist.	-1304 Mar 08 j 07:19	5°♄39'10	17.36226 AU
min. Earth dist.	-1310 Feb 07 j 22:34	6°♄53'15	17.24359 AU	direct	-1304 May 23 j 15:38	3°♄35'03	
direct	-1310 Apr 24 j 11:35	4°♄48'54		evening set	-1304 Aug 27 j 13:24	7°♄05'06	
evening set	-1310 Jul 29 j 19:20	8°♄20'45					
max. Earth dist.	-1310 Aug 14 j 03:03	9°♄18'31	19.24496 AU	conjunction	-1304 Sep 12 j 15:18	8°♄05'42	0°44'12
				minimum elong	-1304 Sep 12 j 15:18	8°♄05'42	0°44'12
conjunction	-1310 Aug 15 j 04:43	9°♄22'35	0°42'43	max. Earth dist.	-1304 Sep 11 j 22:45	8°♄03'05	19.37988 AU
minimum elong	-1310 Aug 15 j 04:42	9°♄22'35	0°42'44	morning rise	-1304 Sep 28 j 13:37	9°♄05'45	
morning rise	-1310 Aug 31 j 10:04	10°♄23'48		retrograde	-1304 Dec 28 j 16:37	12°♄27'00	
retrograde	-1310 Nov 30 j 15:32	13°♄46'25		opposition	-1303 Mar 12 j 18:27	10°♄25'33	0°48'51
opposition	-1309 Feb 12 j 01:28	11°♄44'09	0°48'16	min. Earth dist.	-1303 Mar 13 j 07:56	10°♄24'07	17.39902 AU
min. Earth dist.	-1309 Feb 12 j 22:37	11°♄41'51	17.24890 AU	direct	-1303 May 28 j 19:34	8°♄20'01	
direct	-1309 Apr 29 j 17:26	9°♄37'22		evening set	-1303 Sep 01 j 13:56	11°♄49'19	
evening set	-1309 Aug 03 j 23:38	13°♄09'16					
max. Earth dist.	-1309 Aug 19 j 08:14	14°♄07'11	19.25360 AU	conjunction	-1303 Sep 17 j 14:50	12°♄49'39	0°43'22
				minimum elong	-1303 Sep 17 j 14:50	12°♄49'39	0°43'22
conjunction	-1309 Aug 20 j 07:53	14°♄10'56	0°43'44	max. Earth dist.	-1303 Sep 17 j 01:10	12°♄47'30	19.41868 AU
minimum elong	-1309 Aug 20 j 07:53	14°♄10'56	0°43'46	morning rise	-1303 Oct 03 j 11:57	13°♄49'27	
	-1309 Sep 02 j 06:37	15°♄		retrograde	-1302 Jan 02 j 15:27	17°♄10'15	
morning rise	-1309 Sep 05 j 11:52	15°♄12'00		opposition	-1302 Mar 17 j 21:06	15°♄08'53	0°47'46
retrograde	-1309 Dec 05 j 15:10	18°♄34'33		min. Earth dist.	-1302 Mar 18 j 09:11	15°♄07'36	17.43968 AU
opposition	-1308 Feb 17 j 04:06	16°♄32'26	0°49'14	direct	-1302 Jun 02 j 23:42	13°♄03'36	
min. Earth dist.	-1308 Feb 18 j 01:06	16°♄30'10	17.26076 AU	evening set	-1302 Sep 06 j 13:35	16°♄32'01	
	-1308 Mar 28 j 00:56	15°♄					
direct	-1308 May 03 j 21:20	14°♄25'49		conjunction	-1302 Sep 22 j 13:10	17°♄32'04	0°42'15

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Attention, astronomical year style is used: The year -1302 in astronomical counting style is the year 1303 BCE in historical counting style.

minimum elong	-1302 Sep 22 j 13:10	17° <u>17</u> 32'04	0°42'15	opposition	-1295 Apr 20 j 02:17	17° <u>17</u> 22'32	0°32'16
max. Earth dist.	-1302 Sep 22 j 00:31	17° <u>17</u> 30'04	19.46141 AU	min. Earth dist.	-1295 Apr 19 j 23:23	17° <u>17</u> 22'50	17.83822 AU
morning rise	-1302 Oct 08 j 09:27	18° <u>18</u> 31'36		direct	-1295 Jul 06 j 08:41	15° <u>15</u> 19'45	
retrograde	-1301 Jan 07 j 13:17	21° <u>21</u> 51'57		evening set	-1295 Oct 08 j 06:22	18° <u>18</u> 40'07	
opposition	-1301 Mar 22 j 23:22	19° <u>19</u> 50'38	0°46'21				
min. Earth dist.	-1301 Mar 23 j 09:28	19° <u>19</u> 49'33	17.48444 AU	conjunction	-1295 Oct 23 j 23:39	19° <u>19</u> 38'00	0°27'40
direct	-1301 Jun 08 j 02:51	17° <u>17</u> 45'36		minimum elong	-1295 Oct 23 j 23:39	19° <u>19</u> 38'00	0°27'39
evening set	-1301 Sep 11 j 12:07	21° <u>21</u> 13'02		max. Earth dist.	-1295 Oct 24 j 03:59	19° <u>19</u> 38'40	19.87341 AU
				morning rise	-1295 Nov 08 j 15:08	20° <u>20</u> 35'37	
conjunction	-1301 Sep 27 j 10:46	22° <u>22</u> 12'47	0°40'51	retrograde	-1294 Feb 08 j 05:39	23° <u>23</u> 51'59	
minimum elong	-1301 Sep 27 j 10:46	22° <u>22</u> 12'47	0°40'52	opposition	-1294 Apr 25 j 00:46	21° <u>21</u> 51'32	0°29'11
max. Earth dist.	-1301 Sep 27 j 01:13	22° <u>22</u> 11'17	19.50824 AU	min. Earth dist.	-1294 Apr 24 j 18:46	21° <u>21</u> 52'09	17.90863 AU
morning rise	-1301 Oct 13 j 06:03	23° <u>23</u> 12'03		direct	-1294 Jul 11 j 07:23	19° <u>19</u> 49'14	
retrograde	-1300 Jan 12 j 11:00	26° <u>26</u> 31'51		evening set	-1294 Oct 12 j 21:59	23° <u>23</u> 08'19	
opposition	-1300 Mar 27 j 01:06	24° <u>24</u> 30'36	0°44'38				
min. Earth dist.	-1300 Mar 27 j 09:08	24° <u>24</u> 29'45	17.53319 AU	conjunction	-1294 Oct 28 j 14:35	24° <u>24</u> 05'53	0°24'50
direct	-1300 Jun 12 j 06:45	22° <u>22</u> 25'51		minimum elong	-1294 Oct 28 j 14:36	24° <u>24</u> 05'53	0°24'49
evening set	-1300 Sep 15 j 09:43	25° <u>25</u> 52'13		max. Earth dist.	-1294 Oct 28 j 21:15	24° <u>24</u> 06'54	19.94463 AU
				morning rise	-1294 Nov 13 j 05:42	25° <u>25</u> 03'14	
conjunction	-1300 Oct 01 j 07:13	26° <u>26</u> 51'39	0°39'12	retrograde	-1293 Feb 12 j 21:56	28° <u>28</u> 19'02	
minimum elong	-1300 Oct 01 j 07:13	26° <u>26</u> 51'39	0°39'11	opposition	-1293 Apr 29 j 22:49	26° <u>26</u> 18'46	0°25'57
max. Earth dist.	-1300 Sep 30 j 23:11	26° <u>26</u> 50'24	19.55913 AU	min. Earth dist.	-1293 Apr 29 j 15:47	26° <u>26</u> 19'29	17.98054 AU
morning rise	-1300 Oct 17 j 01:48	27° <u>27</u> 50'40		direct	-1293 Jul 16 j 03:11	24° <u>24</u> 16'56	
	-1300 Nov 26 j 01:11	0° <u>0</u>		evening set	-1293 Oct 17 j 12:50	27° <u>27</u> 34'43	
retrograde	-1299 Jan 16 j 06:43	1° <u>1</u> 09'55					
	-1299 Mar 11 j 04:30	30° <u>30</u> 17		conjunction	-1293 Nov 02 j 04:51	28° <u>28</u> 31'59	0°21'52
opposition	-1299 Apr 01 j 02:27	29° <u>29</u> 08'42	0°42'38	minimum elong	-1293 Nov 02 j 04:51	28° <u>28</u> 31'59	0°21'51
min. Earth dist.	-1299 Apr 01 j 08:35	29° <u>29</u> 08'04	17.58623 AU	max. Earth dist.	-1293 Nov 02 j 13:16	28° <u>28</u> 33'16	20.01697 AU
direct	-1299 Jun 17 j 08:21	27° <u>27</u> 04'15		morning rise	-1293 Nov 17 j 19:42	29° <u>29</u> 29'05	
	-1299 Sep 12 j 01:54	0° <u>0</u>			-1293 Nov 26 j 13:43	0° <u>0</u>	
evening set	-1299 Sep 20 j 06:11	0° <u>0</u> 29'30		retrograde	-1292 Feb 17 j 15:54	2° <u>2</u> 144'16	
				opposition	-1292 May 03 j 19:49	0° <u>0</u> 144'12	0°22'34
conjunction	-1299 Oct 06 j 02:47	1° <u>1</u> 28'38	0°37'18	min. Earth dist.	-1292 May 03 j 09:56	0° <u>0</u> 145'13	18.05304 AU
minimum elong	-1299 Oct 06 j 02:47	1° <u>1</u> 28'38	0°37'18		-1292 May 22 j 04:18	30° <u>30</u> 17	
max. Earth dist.	-1299 Oct 05 j 21:51	1° <u>1</u> 27'52	19.61431 AU	direct	-1292 Jul 19 j 23:51	28° <u>28</u> 42'50	
morning rise	-1299 Oct 21 j 20:30	2° <u>2</u> 27'21			-1292 Sep 13 j 15:49	0° <u>0</u>	
retrograde	-1298 Jan 21 j 03:20	5° <u>5</u> 46'02		evening set	-1292 Oct 21 j 02:48	1° <u>1</u> 159'18	
opposition	-1298 Apr 06 j 03:15	3° <u>3</u> 44'55	0°40'23				
min. Earth dist.	-1298 Apr 06 j 06:36	3° <u>3</u> 44'34	17.64341 AU	conjunction	-1292 Nov 05 j 18:20	2° <u>2</u> 156'17	0°18'47
direct	-1298 Jun 22 j 11:06	1° <u>1</u> 40'49		minimum elong	-1292 Nov 05 j 18:20	2° <u>2</u> 156'17	0°18'46
evening set	-1298 Sep 25 j 01:48	5° <u>5</u> 04'54		max. Earth dist.	-1292 Nov 06 j 04:54	2° <u>2</u> 157'53	20.08941 AU
				morning rise	-1292 Nov 21 j 08:54	3° <u>3</u> 153'08	
conjunction	-1298 Oct 10 j 21:22	6° <u>6</u> 03'42	0°35'11	retrograde	-1291 Feb 21 j 06:57	7° <u>7</u> 107'42	
minimum elong	-1298 Oct 10 j 21:22	6° <u>6</u> 03'42	0°35'10	opposition	-1291 May 08 j 16:27	5° <u>5</u> 107'48	0°19'05
max. Earth dist.	-1298 Oct 10 j 18:24	6° <u>6</u> 03'15	19.67367 AU	min. Earth dist.	-1291 May 08 j 05:53	5° <u>5</u> 108'52	18.12537 AU
morning rise	-1298 Oct 26 j 14:26	7° <u>7</u> 02'09		direct	-1291 Jul 24 j 18:05	3° <u>3</u> 106'53	
retrograde	-1297 Jan 25 j 21:47	10° <u>10</u> 20'16		evening set	-1291 Oct 25 j 15:51	6° <u>6</u> 122'02	
opposition	-1297 Apr 11 j 03:37	8° <u>8</u> 19'16	0°37'53				
min. Earth dist.	-1297 Apr 11 j 05:09	8° <u>8</u> 19'06	17.70491 AU	conjunction	-1291 Nov 10 j 06:54	7° <u>7</u> 118'42	0°15'37
direct	-1297 Jun 27 j 10:24	6° <u>6</u> 15'34		minimum elong	-1291 Nov 10 j 06:54	7° <u>7</u> 118'42	0°15'36
evening set	-1297 Sep 29 j 20:09	9° <u>9</u> 38'25		behind sun begin	-1291 Nov 10 j 04:58	7° <u>7</u> 118'25	
				behind sun end	-1291 Nov 10 j 08:50	7° <u>7</u> 119'00	
conjunction	-1297 Oct 15 j 14:58	10° <u>10</u> 36'55	0°32'51	max. Earth dist.	-1291 Nov 10 j 18:42	7° <u>7</u> 120'30	20.16142 AU
minimum elong	-1297 Oct 15 j 14:58	10° <u>10</u> 36'55	0°32'51	morning rise	-1291 Nov 25 j 21:22	8° <u>8</u> 115'19	
max. Earth dist.	-1297 Oct 15 j 14:50	10° <u>10</u> 36'54	19.73716 AU	retrograde	-1290 Feb 26 j 00:14	11° <u>11</u> 29'17	
morning rise	-1297 Oct 31 j 07:25	11° <u>11</u> 35'05		opposition	-1290 May 13 j 12:13	9° <u>9</u> 129'30	0°15'31
retrograde	-1296 Jan 30 j 17:31	14° <u>14</u> 52'37		min. Earth dist.	-1290 May 12 j 22:55	9° <u>9</u> 130'52	18.19687 AU
opposition	-1296 Apr 15 j 03:13	12° <u>12</u> 51'47	0°35'11	direct	-1290 Jul 29 j 13:17	7° <u>7</u> 129'00	
min. Earth dist.	-1296 Apr 15 j 01:41	12° <u>12</u> 51'57	17.77002 AU	evening set	-1290 Oct 30 j 04:04	10° <u>10</u> 142'50	
direct	-1296 Jul 01 j 11:15	10° <u>10</u> 48'32					
evening set	-1296 Oct 03 j 13:46	14° <u>14</u> 10'09		conjunction	-1290 Nov 14 j 18:49	11° <u>11</u> 139'14	0°12'23
				minimum elong	-1290 Nov 14 j 18:49	11° <u>11</u> 139'14	0°12'22
conjunction	-1296 Oct 19 j 07:44	15° <u>15</u> 08'21	0°30'21	behind sun begin	-1290 Nov 14 j 14:25	11° <u>11</u> 138'35	
minimum elong	-1296 Oct 19 j 07:44	15° <u>15</u> 08'21	0°30'20	behind sun end	-1290 Nov 14 j 23:14	11° <u>11</u> 139'53	
max. Earth dist.	-1296 Oct 19 j 09:45	15° <u>15</u> 08'39	19.80390 AU	max. Earth dist.	-1290 Nov 15 j 08:46	11° <u>11</u> 141'20	20.23225 AU
morning rise	-1296 Nov 03 j 23:41	16° <u>16</u> 06'14		morning rise	-1290 Nov 30 j 09:09	12° <u>12</u> 135'36	
retrograde	-1295 Feb 03 j 10:44	19° <u>19</u> 23'11			-1289 Jan 17 j 17:43	15° <u>15</u> 17	

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Attention, astronomical year style is used: The year -1289 in astronomical counting style is the year 1290 BCE in historical counting style.

retrograde	-1289 Mar 02 j 13:36	15° M 48'57		opposition	-1284 Jun 08 j 17:32	4° 7 58'14	-0°06'26
	-1289 Apr 17 j 07:35	15° R M		min. Earth dist.	-1284 Jun 07 j 19:28	5° 7 00'27	18.59587 AU
opposition	-1289 May 18 j 07:17	13° M 49'16	0°11'52	direct	-1284 Aug 24 j 11:09	2° 7 59'43	
min. Earth dist.	-1289 May 17 j 17:29	13° M 50'40	18.26706 AU	evening set	-1284 Nov 23 j 11:36	6° 7 06'01	
direct	-1289 Aug 03 j 06:12	11° M 49'10					
evening set	-1289 Nov 03 j 15:23	15° M 01'39		conjunction	-1284 Dec 09 j 01:48	7° 7 00'59	-0°07'27
	-1289 Nov 03 j 04:12	15° M		minimum elong	-1284 Dec 09 j 01:48	7° 7 00'59	0°07'28
				behind sun begin	-1284 Dec 08 j 19:49	7° 7 00'08	
conjunction	-1289 Nov 19 j 05:50	15° M 57'47	0°09'06	behind sun end	-1284 Dec 09 j 07:46	7° 7 01'51	
minimum elong	-1289 Nov 19 j 05:49	15° M 57'47	0°09'06	max. Earth dist.	-1284 Dec 10 j 01:08	7° 7 04'26	20.62680 AU
behind sun begin	-1289 Nov 19 j 00:14	15° M 56'57		morning rise	-1284 Dec 24 j 17:12	7° 7 56'09	
behind sun end	-1289 Nov 19 j 11:25	15° M 58'36		retrograde	-1283 Mar 27 j 16:16	11° 7 05'59	
max. Earth dist.	-1289 Nov 19 j 20:37	16° M 00'01	20.30171 AU	min. Earth dist.	-1283 Jun 12 j 09:01	9° 7 08'53	18.65752 AU
morning rise	-1289 Dec 04 j 20:17	16° M 53'55		opposition	-1283 Jun 13 j 07:41	9° 7 06'36	-0°09'59
retrograde	-1288 Mar 06 j 05:38	20° M 06'39		direct	-1283 Aug 28 j 22:59	7° 7 08'26	
min. Earth dist.	-1288 May 21 j 09:05	18° M 08'41	18.33567 AU	evening set	-1283 Nov 27 j 18:21	10° 7 13'38	
opposition	-1288 May 22 j 01:22	18° M 07'02	0°08'12				
direct	-1288 Aug 07 j 00:04	16° M 07'15		conjunction	-1283 Dec 13 j 08:35	11° 7 08'24	-0°10'37
evening set	-1288 Nov 07 j 01:47	19° M 18'26		minimum elong	-1283 Dec 13 j 08:35	11° 7 08'24	0°10'38
				behind sun begin	-1283 Dec 13 j 03:28	11° 7 07'40	
conjunction	-1288 Nov 22 j 16:05	20° M 14'19	0°05'48	behind sun end	-1283 Dec 13 j 13:41	11° 7 09'08	
minimum elong	-1288 Nov 22 j 16:05	20° M 14'19	0°05'46	max. Earth dist.	-1283 Dec 14 j 08:21	11° 7 11'54	20.68761 AU
behind sun begin	-1288 Nov 22 j 09:49	20° M 13'24		morning rise	-1283 Dec 29 j 00:31	12° 7 03'25	
behind sun end	-1288 Nov 22 j 22:21	20° M 15'14		retrograde	-1282 Apr 01 j 03:32	15° 7 12'48	
max. Earth dist.	-1288 Nov 23 j 09:07	20° M 16'52	20.36940 AU	opposition	-1282 Jun 17 j 21:04	13° 7 13'30	-0°13'27
morning rise	-1288 Dec 08 j 06:31	21° M 10'14		min. Earth dist.	-1282 Jun 16 j 20:34	13° 7 15'57	18.71739 AU
retrograde	-1287 Mar 10 j 17:18	24° M 22'20		direct	-1282 Sep 02 j 10:30	11° 7 15'39	
opposition	-1287 May 26 j 18:42	22° M 22'45	0°04'31	evening set	-1282 Dec 02 j 00:36	14° 7 19'51	
min. Earth dist.	-1287 May 26 j 01:55	22° M 24'27	18.40261 AU				
direct	-1287 Aug 11 j 15:23	20° M 23'19		conjunction	-1282 Dec 17 j 15:10	15° 7 14'27	-0°13'43
evening set	-1287 Nov 11 j 11:24	23° M 33'12		minimum elong	-1282 Dec 17 j 15:10	15° 7 14'27	0°13'43
				behind sun begin	-1282 Dec 17 j 11:32	15° 7 13'56	
conjunction	-1287 Nov 27 j 01:30	24° M 28'49	0°02'29	behind sun end	-1282 Dec 17 j 18:48	15° 7 14'58	
minimum elong	-1287 Nov 27 j 01:29	24° M 28'49	0°02'28	max. Earth dist.	-1282 Dec 18 j 17:01	15° 7 18'15	20.74623 AU
behind sun begin	-1287 Nov 26 j 18:58	24° M 27'52		morning rise	-1281 Jan 02 j 07:27	16° 7 09'19	
behind sun end	-1287 Nov 27 j 08:00	24° M 29'46		retrograde	-1281 Apr 05 j 13:03	19° 7 18'15	
max. Earth dist.	-1287 Nov 27 j 19:22	24° M 31'29	20.43569 AU	min. Earth dist.	-1281 Jun 21 j 08:52	17° 7 21'33	18.77474 AU
morning rise	-1287 Dec 12 j 16:10	25° M 24'31		opposition	-1281 Jun 22 j 09:41	17° 7 19'04	-0°16'51
retrograde	-1286 Mar 15 j 07:25	28° M 36'01		direct	-1281 Sep 06 j 20:47	15° 7 21'33	
opposition	-1286 May 31 j 11:11	26° M 36'28	0°00'50	evening set	-1281 Dec 06 j 06:32	18° 7 24'48	
min. Earth dist.	-1286 May 30 j 15:56	26° M 38'24	18.46827 AU				
direct	-1286 Aug 16 j 07:44	24° M 37'20		conjunction	-1281 Dec 21 j 21:16	19° 7 19'15	-0°16'44
desc. node	-1286 Aug 23 j 12:05	24° M 38'39		minimum elong	-1281 Dec 21 j 21:16	19° 7 19'15	0°16'45
evening set	-1286 Nov 15 j 20:04	27° M 45'57		max. Earth dist.	-1281 Dec 22 j 23:00	19° 7 23'01	20.80216 AU
				morning rise	-1280 Jan 06 j 14:12	20° 7 14'00	
conjunction	-1286 Dec 01 j 10:11	28° M 41'21	-0°00'55	retrograde	-1280 Apr 08 j 23:23	23° 7 22'33	
minimum elong	-1286 Dec 01 j 10:11	28° M 41'21	0°00'57	opposition	-1280 Jun 25 j 21:41	21° 7 23'27	-0°20'08
behind sun begin	-1286 Dec 01 j 03:39	28° M 40'24		min. Earth dist.	-1280 Jun 24 j 19:39	21° 7 26'03	18.82912 AU
behind sun end	-1286 Dec 01 j 16:42	28° M 42'17		direct	-1280 Sep 10 j 06:23	19° 7 26'14	
max. Earth dist.	-1286 Dec 02 j 06:33	28° M 44'23	20.50061 AU	evening set	-1280 Dec 09 j 11:55	22° 7 28'37	
morning rise	-1286 Dec 17 j 00:59	29° M 36'51					
	-1286 Dec 23 j 18:10	0° 7		conjunction	-1280 Dec 25 j 03:04	23° 7 22'56	-0°19'39
retrograde	-1285 Mar 19 j 17:59	2° 7 47'46		minimum elong	-1280 Dec 25 j 03:04	23° 7 22'56	0°19'40
min. Earth dist.	-1285 Jun 04 j 07:01	0° 7 50'15	18.53266 AU	max. Earth dist.	-1280 Dec 26 j 06:30	23° 7 26'56	20.85461 AU
opposition	-1285 Jun 05 j 02:55	0° 7 48'15	-0°02'49	morning rise	-1279 Jan 09 j 20:24	24° 7 17'35	
	-1285 Jun 25 j 15:37	30° R M		retrograde	-1279 Apr 13 j 08:22	27° 7 25'46	
direct	-1285 Aug 20 j 21:17	28° M 49'26		min. Earth dist.	-1279 Jun 29 j 07:02	25° 7 29'23	18.87966 AU
	-1285 Oct 13 j 05:48	0° 7		opposition	-1279 Jun 30 j 09:08	25° 7 26'47	-0°23'19
evening set	-1285 Nov 20 j 04:13	1° 7 56'51		direct	-1279 Sep 14 j 15:35	23° 7 29'51	
				evening set	-1279 Dec 13 j 17:13	26° 7 31'25	
conjunction	-1285 Dec 05 j 18:14	2° 7 52'01	-0°04'14				
minimum elong	-1285 Dec 05 j 18:14	2° 7 52'01	0°04'16	conjunction	-1279 Dec 29 j 08:38	27° 7 25'37	-0°22'28
behind sun begin	-1285 Dec 05 j 11:48	2° 7 51'05		minimum elong	-1279 Dec 29 j 08:38	27° 7 25'37	0°22'30
behind sun end	-1285 Dec 06 j 00:40	2° 7 52'56		max. Earth dist.	-1279 Dec 30 j 11:31	27° 7 29'31	20.90312 AU
max. Earth dist.	-1285 Dec 06 j 15:15	2° 7 55'08	20.56440 AU	morning rise	-1278 Jan 14 j 02:43	28° 7 20'10	
morning rise	-1285 Dec 21 j 09:26	3° 7 47'21			-1278 Feb 15 j 07:15	0° 7	
retrograde	-1284 Mar 23 j 06:24	6° 7 57'42		retrograde	-1278 Apr 17 j 18:21	1° 7 28'02	

Attention, astronomical year style is used: The year -1278 in astronomical counting style is the year 1279 BCE in historical counting style.

	-1278 Jun 21 j 18:46	30° \mathbb{R} 27		conjunction	-1271 Jan 25 j 19:15	25° \mathbb{Z} 20'51	-0°38'11
opposition	-1278 Jul 04 j 20:02	29° \mathbb{Z} 29'07	-0°26'22	minimum elong	-1271 Jan 25 j 19:15	25° \mathbb{Z} 20'51	0°38'13
min. Earth dist.	-1278 Jul 03 j 17:18	29° \mathbb{Z} 31'47	18.92601 AU	max. Earth dist.	-1271 Jan 26 j 22:57	25° \mathbb{Z} 24'48	21.10087 AU
direct	-1278 Sep 18 j 23:53	27° \mathbb{Z} 32'26		morning rise	-1271 Feb 10 j 18:41	26° \mathbb{Z} 15'14	
	-1278 Dec 07 j 21:55	0° \mathbb{Z}		retrograde	-1271 May 16 j 01:43	29° \mathbb{Z} 21'38	
evening set	-1278 Dec 17 j 22:05	0° \mathbb{Z} 33'16		min. Earth dist.	-1271 Aug 01 j 07:45	27° \mathbb{Z} 25'03	19.10682 AU
				opposition	-1271 Aug 02 j 09:04	27° \mathbb{Z} 22'30	-0°43'05
conjunction	-1277 Jan 02 j 14:06	1° \mathbb{Z} 27'22	-0°25'10	direct	-1271 Oct 16 j 21:35	25° \mathbb{Z} 26'27	
minimum elong	-1277 Jan 02 j 14:06	1° \mathbb{Z} 27'22	0°25'12	evening set	-1270 Jan 14 j 03:21	28° \mathbb{Z} 23'47	
max. Earth dist.	-1277 Jan 03 j 18:13	1° \mathbb{Z} 31'26	20.94691 AU				
morning rise	-1277 Jan 18 j 08:44	2° \mathbb{Z} 21'51		conjunction	-1270 Jan 29 j 23:55	29° \mathbb{Z} 17'41	-0°39'45
retrograde	-1277 Apr 22 j 02:35	5° \mathbb{Z} 29'25		minimum elong	-1270 Jan 29 j 23:55	29° \mathbb{Z} 17'41	0°39'46
min. Earth dist.	-1277 Jul 08 j 03:55	3° \mathbb{Z} 33'12	18.96724 AU	max. Earth dist.	-1270 Jan 31 j 02:18	29° \mathbb{Z} 21'27	21.11087 AU
opposition	-1277 Jul 09 j 06:22	3° \mathbb{Z} 30'34	-0°29'16				
direct	-1277 Sep 23 j 08:02	1° \mathbb{Z} 34'06		morning rise	-1270 Feb 15 j 00:25	0° \approx 12'07	
evening set	-1277 Dec 22 j 02:56	4° \mathbb{Z} 34'13		retrograde	-1270 May 20 j 09:58	3° \approx 18'29	
				opposition	-1270 Aug 06 j 16:00	1° \approx 19'18	-0°44'42
conjunction	-1276 Jan 06 j 19:20	5° \mathbb{Z} 28'14	-0°27'44	min. Earth dist.	-1270 Aug 05 j 15:07	1° \approx 21'47	19.11496 AU
minimum elong	-1276 Jan 06 j 19:20	5° \mathbb{Z} 28'14	0°27'45				
max. Earth dist.	-1276 Jan 07 j 22:23	5° \mathbb{Z} 32'09	20.98549 AU	direct	-1270 Sep 11 j 22:00	30° \mathbb{R} 28	
morning rise	-1276 Jan 22 j 14:48	6° \mathbb{Z} 22'40			-1270 Oct 21 j 01:14	29° \mathbb{Z} 23'14	
retrograde	-1276 Apr 25 j 12:07	9° \mathbb{Z} 29'58		evening set	-1270 Nov 28 j 04:16	0° \approx	
opposition	-1276 Jul 12 j 16:03	7° \mathbb{Z} 31'07	-0°32'02				
min. Earth dist.	-1276 Jul 11 j 13:29	7° \mathbb{Z} 33'46	19.00314 AU	conjunction	-1269 Feb 03 j 04:51	3° \approx 14'21	-0°41'07
direct	-1276 Sep 26 j 15:19	5° \mathbb{Z} 34'48		minimum elong	-1269 Feb 03 j 04:51	3° \approx 14'21	0°41'08
evening set	-1276 Dec 25 j 07:24	8° \mathbb{Z} 34'19		max. Earth dist.	-1269 Feb 04 j 07:54	3° \approx 18'12	21.11699 AU
				morning rise	-1269 Feb 19 j 06:09	4° \approx 08'50	
conjunction	-1275 Jan 10 j 00:30	9° \mathbb{Z} 28'16	-0°30'10	retrograde	-1269 May 24 j 17:04	7° \approx 15'12	
minimum elong	-1275 Jan 10 j 00:30	9° \mathbb{Z} 28'16	0°30'11	opposition	-1269 Aug 10 j 22:38	5° \approx 15'58	-0°46'06
max. Earth dist.	-1275 Jan 11 j 04:30	9° \mathbb{Z} 32'18	21.01855 AU	min. Earth dist.	-1269 Aug 09 j 22:08	5° \approx 18'25	19.11904 AU
morning rise	-1275 Jan 25 j 20:33	10° \mathbb{Z} 22'39		direct	-1269 Oct 25 j 06:16	3° \approx 19'56	
retrograde	-1275 Apr 29 j 19:17	13° \mathbb{Z} 29'42		evening set	-1268 Jan 22 j 11:32	6° \approx 16'58	
min. Earth dist.	-1275 Jul 15 j 23:06	11° \mathbb{Z} 33'27	19.03344 AU				
opposition	-1275 Jul 17 j 01:19	11° \mathbb{Z} 30'51	-0°34'37	conjunction	-1268 Feb 07 j 09:49	7° \approx 10'59	-0°42'18
direct	-1275 Sep 30 j 22:34	9° \mathbb{Z} 34'38		minimum elong	-1268 Feb 07 j 09:49	7° \approx 10'59	0°42'19
evening set	-1275 Dec 29 j 11:36	12° \mathbb{Z} 33'34		max. Earth dist.	-1268 Feb 08 j 11:16	7° \approx 14'36	21.11914 AU
				morning rise	-1268 Feb 23 j 12:12	8° \approx 05'33	
conjunction	-1274 Jan 14 j 05:13	13° \mathbb{Z} 27'28	-0°32'26	retrograde	-1268 May 28 j 01:41	11° \approx 11'58	
minimum elong	-1274 Jan 14 j 05:13	13° \mathbb{Z} 27'28	0°32'26	min. Earth dist.	-1268 Aug 13 j 05:20	9° \approx 15'05	19.11919 AU
max. Earth dist.	-1274 Jan 15 j 08:09	13° \mathbb{Z} 31'20	21.04627 AU	opposition	-1268 Aug 14 j 05:03	9° \approx 12'42	-0°47'17
morning rise	-1274 Jan 30 j 02:14	14° \mathbb{Z} 21'50		direct	-1268 Oct 28 j 10:08	7° \approx 16'39	
retrograde	-1274 May 04 j 04:09	17° \mathbb{Z} 28'40		evening set	-1267 Jan 25 j 15:54	10° \approx 13'40	
min. Earth dist.	-1274 Jul 20 j 07:58	15° \mathbb{Z} 32'21	19.05864 AU				
opposition	-1274 Jul 21 j 10:04	15° \mathbb{Z} 29'45	-0°37'01	conjunction	-1267 Feb 10 j 15:14	11° \approx 07'47	-0°43'17
direct	-1274 Oct 05 j 04:39	13° \mathbb{Z} 33'36		minimum elong	-1267 Feb 10 j 15:14	11° \approx 07'47	0°43'17
evening set	-1273 Jan 02 j 15:38	16° \mathbb{Z} 32'00		max. Earth dist.	-1267 Feb 11 j 17:06	11° \approx 11'27	21.11717 AU
				morning rise	-1267 Feb 26 j 18:25	12° \approx 02'26	
conjunction	-1273 Jan 18 j 10:04	17° \mathbb{Z} 25'53	-0°34'31		-1267 May 13 j 03:21	15° \approx	
minimum elong	-1273 Jan 18 j 10:04	17° \mathbb{Z} 25'53	0°34'33	retrograde	-1267 Jun 01 j 09:15	15° \approx 08'56	
max. Earth dist.	-1273 Jan 19 j 13:58	17° \mathbb{Z} 29'53	21.06891 AU		-1267 Jun 20 j 20:23	15° \mathbb{R} 22	
morning rise	-1273 Feb 03 j 07:47	18° \mathbb{Z} 20'15		opposition	-1267 Aug 18 j 11:20	13° \approx 09'39	-0°48'16
retrograde	-1273 May 08 j 10:47	21° \mathbb{Z} 26'53		min. Earth dist.	-1267 Aug 17 j 12:13	13° \approx 11'58	19.11501 AU
opposition	-1273 Jul 25 j 18:05	19° \mathbb{Z} 27'54	-0°39'14	direct	-1267 Nov 01 j 14:09	11° \approx 13'36	
min. Earth dist.	-1273 Jul 24 j 16:19	19° \mathbb{Z} 30'28	19.07891 AU	evening set	-1266 Jan 29 j 20:39	14° \approx 10'40	
direct	-1273 Oct 09 j 11:08	17° \mathbb{Z} 31'48			-1266 Feb 13 j 10:35	15° \approx	
evening set	-1272 Jan 06 j 19:39	20° \mathbb{Z} 29'46					
				conjunction	-1266 Feb 14 j 20:48	15° \approx 04'52	-0°44'03
conjunction	-1272 Jan 22 j 14:40	21° \mathbb{Z} 23'38	-0°36'27	minimum elong	-1266 Feb 14 j 20:48	15° \approx 04'52	0°44'05
minimum elong	-1272 Jan 22 j 14:40	21° \mathbb{Z} 23'38	0°36'27	max. Earth dist.	-1266 Feb 15 j 20:45	15° \approx 08'16	21.11085 AU
max. Earth dist.	-1272 Jan 23 j 17:24	21° \mathbb{Z} 27'27	21.08700 AU	morning rise	-1266 Mar 03 j 01:10	15° \approx 59'38	
morning rise	-1272 Feb 07 j 13:23	22° \mathbb{Z} 18'00		retrograde	-1266 Jun 05 j 18:17	19° \approx 06'17	
retrograde	-1272 May 11 j 18:56	25° \mathbb{Z} 24'30		opposition	-1266 Aug 22 j 17:36	17° \approx 06'57	-0°49'00
min. Earth dist.	-1272 Jul 28 j 00:14	23° \mathbb{Z} 27'59	19.09495 AU	min. Earth dist.	-1266 Aug 21 j 19:44	17° \approx 09'09	19.10634 AU
opposition	-1272 Jul 29 j 01:46	23° \mathbb{Z} 25'26	-0°41'16	direct	-1266 Nov 05 j 18:25	15° \approx 10'51	
direct	-1272 Oct 12 j 15:36	21° \mathbb{Z} 29'21		evening set	-1265 Feb 03 j 01:51	18° \approx 08'03	
evening set	-1271 Jan 09 j 23:22	24° \mathbb{Z} 26'58					
				conjunction	-1265 Feb 19 j 03:06	19° \approx 02'24	-0°44'37

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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.

minimum elong	-1265 Feb 19 j 03:06	19°02'24	0°44'37	opposition	-1259 Sep 19 j 12:52	15°03'55	-0°47'33
max. Earth dist.	-1265 Feb 20 j 03:00	19°05'47	21.09965 AU	min. Earth dist.	-1259 Sep 19 j 01:05	15°05'08	18.89780 AU
morning rise	-1265 Mar 07 j 08:16	19°57'17		direct	-1259 Dec 03 j 05:10	13°06'27	
retrograde	-1265 Jun 10 j 02:26	23°04'06		evening set	-1258 Mar 03 j 03:35	16°06'23	
opposition	-1265 Aug 26 j 23:33	21°04'43	-0°49'31				
min. Earth dist.	-1265 Aug 26 j 02:44	21°06'49	19.09249 AU	conjunction	-1258 Mar 19 j 11:56	17°02'01	-0°42'31
direct	-1265 Nov 09 j 22:33	19°08'34		minimum elong	-1258 Mar 19 j 11:56	17°02'01	0°42'30
evening set	-1264 Feb 07 j 07:36	22°05'58		max. Earth dist.	-1258 Mar 19 j 23:30	17°03'40	20.87441 AU
				morning rise	-1258 Apr 05 j 00:05	17°58'11	
conjunction	-1264 Feb 23 j 09:41	23°00'26	-0°44'59	retrograde	-1258 Jul 08 j 18:57	21°06'56	
minimum elong	-1264 Feb 23 j 09:41	23°00'26	0°45'00	opposition	-1258 Sep 23 j 19:29	19°06'30	-0°46'23
max. Earth dist.	-1264 Feb 24 j 07:07	23°03'29	21.08321 AU	min. Earth dist.	-1258 Sep 23 j 09:43	19°07'31	18.85049 AU
morning rise	-1264 Mar 10 j 15:59	23°55'29		direct	-1258 Dec 07 j 10:15	17°08'44	
retrograde	-1264 Jun 13 j 11:22	27°02'29		evening set	-1257 Mar 07 j 12:55	20°09'21	
min. Earth dist.	-1264 Aug 29 j 10:37	25°04'58	19.07331 AU				
opposition	-1264 Aug 30 j 05:45	25°03'02	-0°49'48	conjunction	-1257 Mar 23 j 22:27	21°05'14	-0°41'20
direct	-1264 Nov 13 j 02:51	23°06'46		minimum elong	-1257 Mar 23 j 22:27	21°05'14	0°41'20
evening set	-1263 Feb 10 j 13:33	26°04'26		max. Earth dist.	-1257 Mar 24 j 09:28	21°06'49	20.82557 AU
				morning rise	-1257 Apr 09 j 11:18	22°01'38	
conjunction	-1263 Feb 26 j 16:47	26°59'03	-0°45'07	retrograde	-1257 Jul 13 j 05:24	25°10'47	
minimum elong	-1263 Feb 26 j 16:47	26°59'03	0°45'07	opposition	-1257 Sep 28 j 02:07	23°10'13	-0°44'58
max. Earth dist.	-1263 Feb 27 j 13:49	27°02'03	21.06115 AU	min. Earth dist.	-1257 Sep 27 j 17:17	23°11'08	18.80021 AU
morning rise	-1263 Mar 14 j 23:54	27°54'15		direct	-1257 Dec 11 j 16:57	21°12'10	
	-1263 Apr 27 j 10:41	0°00'		evening set	-1256 Mar 10 j 23:04	24°13'32	
retrograde	-1263 Jun 17 j 20:19	1°01'29					
	-1263 Aug 09 j 13:15	30°00'		conjunction	-1256 Mar 27 j 09:26	25°09'41	-0°39'57
opposition	-1263 Sep 03 j 11:56	29°01'55	-0°49'50	minimum elong	-1256 Mar 27 j 09:26	25°09'41	0°39'57
min. Earth dist.	-1263 Sep 02 j 17:58	29°03'45	19.04831 AU	max. Earth dist.	-1256 Mar 27 j 17:35	25°10'51	20.77412 AU
direct	-1263 Nov 17 j 08:05	27°05'29		morning rise	-1256 Apr 12 j 23:19	26°06'19	
	-1262 Feb 13 j 19:09	0°00'		retrograde	-1256 Jul 16 j 16:29	29°15'57	
evening set	-1262 Feb 14 j 20:14	0°03'28		opposition	-1256 Oct 01 j 09:19	27°15'13	-0°43'20
				min. Earth dist.	-1256 Oct 01 j 02:30	27°15'56	18.74759 AU
conjunction	-1262 Mar 03 j 00:22	0°58'16	-0°45'02	direct	-1256 Dec 14 j 22:55	25°16'52	
minimum elong	-1262 Mar 03 j 00:22	0°58'16	0°45'02	evening set	-1255 Mar 15 j 09:40	28°19'05	
max. Earth dist.	-1262 Mar 03 j 18:37	1°00'51	21.03345 AU				
morning rise	-1262 Mar 19 j 08:40	1°53'38		conjunction	-1255 Mar 31 j 21:15	29°15'31	-0°38'22
retrograde	-1262 Jun 22 j 04:58	5°01'06		minimum elong	-1255 Mar 31 j 21:15	29°15'31	0°38'21
opposition	-1262 Sep 07 j 18:05	3°01'24	-0°49'37	max. Earth dist.	-1255 Apr 01 j 04:51	29°16'36	20.72038 AU
min. Earth dist.	-1262 Sep 07 j 02:07	3°03'01	19.01783 AU		-1255 Apr 13 j 19:55	0°00'	
direct	-1262 Nov 21 j 12:16	1°04'44		morning rise	-1255 Apr 17 j 11:48	0°12'24	
evening set	-1261 Feb 19 j 03:16	4°03'06		retrograde	-1255 Jul 21 j 03:49	3°22'31	
				opposition	-1255 Oct 05 j 16:48	1°21'41	-0°41'29
conjunction	-1261 Mar 07 j 08:38	4°58'05	-0°44'44	min. Earth dist.	-1255 Oct 05 j 10:52	1°22'18	18.69265 AU
minimum elong	-1261 Mar 07 j 08:38	4°58'05	0°44'45		-1255 Nov 10 j 17:55	30°00'	
max. Earth dist.	-1261 Mar 08 j 02:16	5°00'36	21.00031 AU	direct	-1255 Dec 19 j 06:20	29°23'04	
morning rise	-1261 Mar 23 j 17:45	5°53'38			-1254 Jan 26 j 04:23	0°00'	
retrograde	-1261 Jun 26 j 14:30	9°01'22		evening set	-1254 Mar 19 j 21:30	2°26'11	
min. Earth dist.	-1261 Sep 11 j 09:29	7°03'00	18.98208 AU				
opposition	-1261 Sep 12 j 00:16	7°01'30	-0°49'10	conjunction	-1254 Apr 05 j 09:53	3°22'54	-0°36'34
direct	-1261 Nov 25 j 18:20	5°04'36		minimum elong	-1254 Apr 05 j 09:53	3°22'54	0°36'34
evening set	-1260 Feb 23 j 10:50	8°03'24		max. Earth dist.	-1254 Apr 05 j 14:28	3°23'33	20.66447 AU
				morning rise	-1254 Apr 22 j 01:25	4°20'03	
conjunction	-1260 Mar 10 j 17:04	8°58'35	-0°44'13	retrograde	-1254 Jul 25 j 15:52	7°30'42	
minimum elong	-1260 Mar 10 j 17:04	8°58'35	0°44'13	opposition	-1254 Oct 10 j 00:42	5°29'47	-0°39'23
max. Earth dist.	-1260 Mar 11 j 07:55	9°00'42	20.96231 AU	min. Earth dist.	-1254 Oct 09 j 21:09	5°30'09	18.63568 AU
morning rise	-1260 Mar 27 j 03:18	9°54'19		direct	-1254 Dec 23 j 13:38	3°30'52	
retrograde	-1260 Jun 29 j 23:10	13°02'22		evening set	-1253 Mar 24 j 10:06	6°34'59	
opposition	-1260 Sep 15 j 06:34	11°02'18	-0°48'29				
min. Earth dist.	-1260 Sep 14 j 17:46	11°03'37	18.94190 AU	conjunction	-1253 Apr 09 j 23:36	7°32'00	-0°34'35
direct	-1260 Nov 28 j 22:44	9°05'07		minimum elong	-1253 Apr 09 j 23:36	7°32'00	0°34'34
evening set	-1259 Feb 26 j 18:51	12°04'27		max. Earth dist.	-1253 Apr 10 j 03:21	7°32'32	20.60642 AU
				morning rise	-1253 Apr 26 j 15:41	8°29'24	
conjunction	-1259 Mar 15 j 02:17	12°59'51	-0°43'28	retrograde	-1253 Jul 30 j 04:36	11°40'37	
minimum elong	-1259 Mar 15 j 02:17	12°59'51	0°43'29	opposition	-1253 Oct 14 j 09:05	9°39'38	-0°37'05
max. Earth dist.	-1259 Mar 15 j 16:39	13°01'54	20.92013 AU	min. Earth dist.	-1253 Oct 14 j 06:36	9°39'54	18.57640 AU
morning rise	-1259 Mar 31 j 13:19	13°55'47		direct	-1253 Dec 27 j 22:19	7°40'27	
retrograde	-1259 Jul 04 j 09:10	17°04'10		evening set	-1252 Mar 27 j 23:41	10°45'37	

Attention, astronomical year style is used: The year -1252 in astronomical counting style is the year 1253 BCE in historical counting style.

conjunction	-1252 Apr 13 j 13:53	11° Υ 42'55	-0°32'23	behind sun end	-1246 May 11 j 01:10	7° \mathcal{B} 27'29	
minimum elong	-1252 Apr 13 j 13:53	11° Υ 42'55	0°32'24	morning rise	-1246 May 27 j 19:41	8° \mathcal{B} 26'41	
max. Earth dist.	-1252 Apr 13 j 14:27	11° Υ 42'59	20.54602 AU	retrograde	-1246 Aug 29 j 13:41	11° \mathcal{B} 41'59	
morning rise	-1252 Apr 30 j 06:46	12° Υ 40'36		opposition	-1246 Nov 12 j 12:43	9° \mathcal{B} 40'03	-0°15'30
retrograde	-1252 Aug 02 j 17:25	15° Υ 52'25		min. Earth dist.	-1246 Nov 13 j 00:41	9° \mathcal{B} 38'46	18.09830 AU
opposition	-1252 Oct 17 j 18:10	13° Υ 51'20	-0°34'34	direct	-1245 Jan 26 j 06:41	7° \mathcal{B} 38'02	
min. Earth dist.	-1252 Oct 17 j 18:21	13° Υ 51'19	18.51481 AU	evening set	-1245 Apr 29 j 01:56	10° \mathcal{B} 51'33	
direct	-1252 Dec 31 j 07:00	11° Υ 51'51					
evening set	-1251 Apr 01 j 14:14	14° Υ 58'07		conjunction	-1245 May 15 j 21:01	11° \mathcal{B} 51'01	-0°12'21
				minimum elong	-1245 May 15 j 21:01	11° \mathcal{B} 51'01	0°12'21
conjunction	-1251 Apr 18 j 05:28	15° Υ 55'44	-0°30'01	behind sun begin	-1245 May 15 j 16:40	11° \mathcal{B} 50'24	
minimum elong	-1251 Apr 18 j 05:28	15° Υ 55'44	0°30'00	behind sun end	-1245 May 16 j 01:22	11° \mathcal{B} 51'39	
max. Earth dist.	-1251 Apr 18 j 04:50	15° Υ 55'38	20.48315 AU	max. Earth dist.	-1245 May 15 j 06:22	11° \mathcal{B} 48'51	20.06237 AU
morning rise	-1251 May 04 j 22:49	16° Υ 53'41		morning rise	-1245 Jun 01 j 16:30	12° \mathcal{B} 50'37	
retrograde	-1251 Aug 07 j 07:49	20° Υ 06'06			-1245 Jul 13 j 23:52	15° \mathcal{B}	
opposition	-1251 Oct 22 j 03:38	18° Υ 04'55	-0°31'50	retrograde	-1245 Sep 03 j 08:04	16° \mathcal{B} 06'29	
min. Earth dist.	-1251 Oct 22 j 05:05	18° Υ 04'46	18.45055 AU		-1245 Oct 25 j 16:47	15° \mathcal{B}	
direct	-1250 Jan 04 j 17:34	16° Υ 05'06		opposition	-1245 Nov 17 j 02:01	14° \mathcal{B} 04'23	-0°11'49
evening set	-1250 Apr 06 j 05:58	19° Υ 12'30		min. Earth dist.	-1245 Nov 17 j 14:33	14° \mathcal{B} 03'02	18.02628 AU
				direct	-1244 Jan 30 j 22:15	12° \mathcal{B} 01'55	
conjunction	-1250 Apr 22 j 21:52	20° Υ 10'26	-0°27'27		-1244 Apr 28 j 03:01	15° \mathcal{B}	
minimum elong	-1250 Apr 22 j 21:52	20° Υ 10'26	0°27'26	evening set	-1244 May 02 j 22:56	15° \mathcal{B} 16'43	
max. Earth dist.	-1250 Apr 22 j 17:42	20° Υ 09'49	20.41755 AU				
morning rise	-1250 May 09 j 15:54	21° Υ 08'40		conjunction	-1244 May 19 j 18:18	16° \mathcal{B} 16'29	-0°09'00
retrograde	-1250 Aug 11 j 21:35	24° Υ 21'40		minimum elong	-1244 May 19 j 18:19	16° \mathcal{B} 16'29	0°08'59
opposition	-1250 Oct 26 j 13:56	22° Υ 20'23	-0°28'54	behind sun begin	-1244 May 19 j 12:33	16° \mathcal{B} 15'39	
min. Earth dist.	-1250 Oct 26 j 18:17	22° Υ 19'55	18.38365 AU	behind sun end	-1244 May 20 j 00:04	16° \mathcal{B} 17'20	
direct	-1249 Jan 09 j 03:36	20° Υ 20'09		max. Earth dist.	-1244 May 19 j 01:26	16° \mathcal{B} 13'59	19.99081 AU
evening set	-1249 Apr 10 j 22:29	23° Υ 28'45		morning rise	-1244 Jun 05 j 13:50	17° \mathcal{B} 16'20	
				retrograde	-1244 Sep 07 j 01:28	20° \mathcal{B} 32'48	
conjunction	-1249 Apr 27 j 15:16	24° Υ 26'59	-0°24'43	opposition	-1244 Nov 20 j 16:14	18° \mathcal{B} 30'33	-0°08'03
minimum elong	-1249 Apr 27 j 15:16	24° Υ 26'59	0°24'42	min. Earth dist.	-1244 Nov 21 j 07:09	18° \mathcal{B} 28'56	17.95554 AU
max. Earth dist.	-1249 Apr 27 j 09:38	24° Υ 26'09	20.34937 AU	direct	-1243 Feb 03 j 12:44	16° \mathcal{B} 27'38	
morning rise	-1249 May 14 j 09:37	25° Υ 25'29		evening set	-1243 May 07 j 20:55	19° \mathcal{B} 43'45	
retrograde	-1249 Aug 16 j 13:28	28° Υ 39'04					
opposition	-1249 Oct 31 j 00:38	26° Υ 37'38	-0°25'48	conjunction	-1243 May 24 j 16:37	20° \mathcal{B} 43'49	-0°05'35
min. Earth dist.	-1249 Oct 31 j 06:08	26° Υ 37'03	18.31423 AU	minimum elong	-1243 May 24 j 16:37	20° \mathcal{B} 43'49	0°05'34
direct	-1248 Jan 13 j 16:12	24° Υ 37'01		behind sun begin	-1243 May 24 j 10:06	20° \mathcal{B} 42'52	
evening set	-1248 Apr 14 j 16:03	27° Υ 46'47		behind sun end	-1243 May 24 j 23:08	20° \mathcal{B} 44'46	
				max. Earth dist.	-1243 May 23 j 22:21	20° \mathcal{B} 41'05	19.92098 AU
conjunction	-1248 May 01 j 09:22	28° Υ 45'20	-0°21'49	morning rise	-1243 Jun 10 j 12:07	21° \mathcal{B} 43'54	
minimum elong	-1248 May 01 j 09:22	28° Υ 45'20	0°21'48	retrograde	-1243 Sep 11 j 21:14	25° \mathcal{B} 00'56	
max. Earth dist.	-1248 May 01 j 00:24	28° Υ 44'01	20.27899 AU	opposition	-1243 Nov 25 j 06:54	22° \mathcal{B} 58'35	-0°04'12
morning rise	-1248 May 18 j 04:13	29° Υ 44'07		min. Earth dist.	-1243 Nov 25 j 22:11	22° \mathcal{B} 56'55	17.88675 AU
	-1248 May 22 j 19:46	0° \mathcal{B}		direct	-1242 Feb 08 j 06:14	20° \mathcal{B} 55'15	
retrograde	-1248 Aug 20 j 04:14	2° \mathcal{B} 58'17		evening set	-1242 May 12 j 19:54	24° \mathcal{B} 12'43	
opposition	-1248 Nov 03 j 12:06	0° \mathcal{B} 56'41	-0°22'31				
min. Earth dist.	-1248 Nov 03 j 20:27	0° \mathcal{B} 55'48	18.24310 AU	conjunction	-1242 May 29 j 15:46	25° \mathcal{B} 13'04	-0°02'05
	-1248 Nov 26 j 13:50	30° \mathcal{B} 17'		minimum elong	-1242 May 29 j 15:46	25° \mathcal{B} 13'04	0°02'04
direct	-1247 Jan 17 j 03:34	28° Υ 55'36		behind sun begin	-1242 May 29 j 08:58	25° \mathcal{B} 12'04	
	-1247 Mar 08 j 13:46	0° \mathcal{B}		behind sun end	-1242 May 29 j 22:34	25° \mathcal{B} 14'03	
evening set	-1247 Apr 19 j 10:16	2° \mathcal{B} 06'36		max. Earth dist.	-1242 May 28 j 19:48	25° \mathcal{B} 10'04	19.85326 AU
				morning rise	-1242 Jun 15 j 11:03	26° \mathcal{B} 13'23	
conjunction	-1247 May 06 j 04:24	3° \mathcal{B} 05'28	-0°18'47	retrograde	-1242 Sep 16 j 15:47	29° \mathcal{B} 31'00	
minimum elong	-1247 May 06 j 04:23	3° \mathcal{B} 05'28	0°18'47	opposition	-1242 Nov 29 j 22:41	27° \mathcal{B} 28'34	-0°00'17
max. Earth dist.	-1247 May 05 j 18:01	3° \mathcal{B} 03'56	20.20727 AU	min. Earth dist.	-1242 Nov 30 j 16:08	27° \mathcal{B} 26'40	17.82042 AU
morning rise	-1247 May 22 j 23:30	4° \mathcal{B} 04'31		asc. node	-1242 Dec 27 j 05:40	26° \mathcal{B} 21'23	
retrograde	-1247 Aug 24 j 21:30	7° \mathcal{B} 19'15		direct	-1241 Feb 12 j 22:07	25° \mathcal{B} 24'52	
opposition	-1247 Nov 08 j 00:03	5° \mathcal{B} 17'29	-0°19'05	evening set	-1241 May 17 j 19:37	28° \mathcal{B} 43'40	
min. Earth dist.	-1247 Nov 08 j 09:18	5° \mathcal{B} 16'30	18.17083 AU				
direct	-1246 Jan 21 j 17:38	3° \mathcal{B} 15'57		conjunction	-1241 Jun 03 j 15:31	29° \mathcal{B} 44'17	0°01'34
evening set	-1246 Apr 24 j 05:45	6° \mathcal{B} 28'11		minimum elong	-1241 Jun 03 j 15:31	29° \mathcal{B} 44'17	0°01'35
max. Earth dist.	-1246 May 10 j 10:59	7° \mathcal{B} 25'24	20.13472 AU	behind sun begin	-1241 Jun 03 j 08:44	29° \mathcal{B} 43'17	
				behind sun end	-1241 Jun 03 j 22:19	29° \mathcal{B} 45'17	
conjunction	-1246 May 11 j 00:17	7° \mathcal{B} 27'21	-0°15'37	max. Earth dist.	-1241 Jun 02 j 18:04	29° \mathcal{B} 41'02	19.78836 AU
minimum elong	-1246 May 11 j 00:17	7° \mathcal{B} 27'21	0°15'36		-1241 Jun 07 j 23:19	0° \mathcal{B}	
behind sun begin	-1246 May 10 j 23:25	7° \mathcal{B} 27'14		morning rise	-1241 Jun 20 j 10:36	0° \mathcal{B} 44'49	

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Attention, astronomical year style is used: The year -1241 in astronomical counting style is the year 1242 BCE in historical counting style.

retrograde	-1241 Sep 21 j 13:01	4°II03'02		conjunction	-1235 Jul 02 j 05:33	27°II33'04	0°22'17
opposition	-1241 Dec 04 j 15:05	2°II00'34	0°03'39	minimum elong	-1235 Jul 02 j 05:33	27°II33'04	0°22'17
min. Earth dist.	-1241 Dec 05 j 08:43	1°II58'39	17.75700 AU	morning rise	-1235 Jul 18 j 21:03	28°II34'32	
	-1240 Feb 06 j 08:27	30°R8			-1235 Aug 12 j 21:53	0°E	
direct	-1240 Feb 17 j 17:30	29°R56'32		retrograde	-1235 Oct 19 j 01:27	1°E55'47	
	-1240 Feb 29 j 02:01	0°II			-1235 Dec 28 j 22:48	30°RII	
evening set	-1240 May 21 j 20:16	3°II16'41		opposition	-1235 Dec 31 j 11:46	29°II53'20	0°26'33
				min. Earth dist.	-1234 Jan 01 j 12:14	29°II50'40	17.43683 AU
conjunction	-1240 Jun 07 j 16:12	4°II17'34	0°05'08	direct	-1234 Mar 17 j 04:20	27°II47'37	
minimum elong	-1240 Jun 07 j 16:12	4°II17'34	0°05'08		-1234 May 29 j 23:38	0°E	
behind sun begin	-1240 Jun 07 j 09:37	4°II16'35		evening set	-1234 Jun 20 j 16:11	1°E14'59	
behind sun end	-1240 Jun 07 j 22:47	4°II18'32		max. Earth dist.	-1234 Jul 06 j 04:44	2°E12'25	19.41475 AU
max. Earth dist.	-1240 Jun 06 j 17:41	4°II14'09	19.72635 AU				
morning rise	-1240 Jun 24 j 10:49	5°II18'18		conjunction	-1234 Jul 07 j 09:46	2°E16'56	0°25'25
retrograde	-1240 Sep 25 j 09:02	8°II37'06		minimum elong	-1234 Jul 07 j 09:46	2°E16'56	0°25'26
opposition	-1240 Dec 08 j 08:24	6°II34'38	0°07'36	morning rise	-1234 Jul 24 j 00:11	3°E18'28	
min. Earth dist.	-1240 Dec 09 j 04:07	6°II32'29	17.69657 AU	retrograde	-1234 Oct 24 j 01:07	6°E40'03	
direct	-1239 Feb 21 j 10:59	4°II30'18		opposition	-1233 Jan 05 j 10:03	4°E37'35	0°29'58
evening set	-1239 May 26 j 21:50	7°II51'48		min. Earth dist.	-1233 Jan 06 j 11:15	4°E34'50	17.39435 AU
				direct	-1233 Mar 22 j 05:08	2°E31'36	
conjunction	-1239 Jun 12 j 17:34	8°II52'55	0°08'40	evening set	-1233 Jun 25 j 21:09	5°E59'54	
minimum elong	-1239 Jun 12 j 17:34	8°II52'55	0°08'41	max. Earth dist.	-1233 Jul 11 j 07:14	6°E57'09	19.37435 AU
behind sun begin	-1239 Jun 12 j 11:43	8°II52'03					
behind sun end	-1239 Jun 12 j 23:25	8°II53'47		conjunction	-1233 Jul 12 j 13:49	7°E01'55	0°28'23
max. Earth dist.	-1239 Jun 11 j 17:11	8°II49'12	19.66744 AU	minimum elong	-1233 Jul 12 j 13:48	7°E01'55	0°28'24
morning rise	-1239 Jun 29 j 11:53	9°II53'51		morning rise	-1233 Jul 29 j 03:23	8°E03'30	
retrograde	-1239 Sep 30 j 07:32	13°II13'13		retrograde	-1233 Oct 29 j 00:57	11°E25'23	
opposition	-1239 Dec 13 j 02:32	11°II10'45	0°11'32	opposition	-1232 Jan 10 j 08:52	9°E22'53	0°33'12
min. Earth dist.	-1239 Dec 13 j 22:39	11°II08'34	17.63908 AU	min. Earth dist.	-1232 Jan 11 j 10:27	9°E20'06	17.35629 AU
direct	-1238 Feb 26 j 08:31	9°II06'09		direct	-1232 Mar 26 j 06:47	7°E16'38	
evening set	-1238 Jun 01 j 00:15	12°II28'57		evening set	-1232 Jun 30 j 02:15	10°E45'46	
conjunction	-1238 Jun 17 j 19:49	13°II30'17	0°12'10	conjunction	-1232 Jul 16 j 18:15	11°E47'51	0°31'10
minimum elong	-1238 Jun 17 j 19:50	13°II30'17	0°12'12	minimum elong	-1232 Jul 16 j 18:15	11°E47'51	0°31'11
behind sun begin	-1238 Jun 17 j 15:23	13°II29'37		max. Earth dist.	-1232 Jul 15 j 12:40	11°E43'13	19.33862 AU
behind sun end	-1238 Jun 18 j 00:16	13°II30'57		morning rise	-1232 Aug 02 j 06:40	12°E49'27	
max. Earth dist.	-1238 Jun 16 j 18:47	13°II26'27	19.61117 AU	retrograde	-1232 Nov 02 j 02:13	16°E11'34	
morning rise	-1238 Jul 04 j 13:23	14°II31'23		opposition	-1231 Jan 14 j 08:13	14°E09'03	0°36'12
retrograde	-1238 Oct 05 j 04:37	17°II51'16		min. Earth dist.	-1231 Jan 15 j 09:45	14°E06'15	17.32306 AU
opposition	-1238 Dec 17 j 21:39	15°II48'51	0°15'26	direct	-1231 Mar 31 j 09:02	12°E02'34	
min. Earth dist.	-1238 Dec 18 j 19:41	15°II46'27	17.58423 AU	evening set	-1231 Jul 05 j 07:41	15°E32'24	
direct	-1237 Mar 03 j 04:18	13°II43'59					
evening set	-1237 Jun 06 j 03:29	17°II08'03		conjunction	-1231 Jul 21 j 22:38	16°E34'31	0°33'45
				minimum elong	-1231 Jul 21 j 22:38	16°E34'31	0°33'46
conjunction	-1237 Jun 22 j 22:33	18°II09'33	0°15'38	max. Earth dist.	-1231 Jul 20 j 16:12	16°E29'45	19.30808 AU
minimum elong	-1237 Jun 22 j 22:33	18°II09'33	0°15'39	morning rise	-1231 Aug 07 j 10:04	17°E36'08	
behind sun begin	-1237 Jun 22 j 21:42	18°II09'26		retrograde	-1231 Nov 07 j 01:54	20°E58'26	
behind sun end	-1237 Jun 22 j 23:23	18°II09'41		opposition	-1230 Jan 19 j 08:16	18°E55'53	0°38'57
max. Earth dist.	-1237 Jun 21 j 19:21	18°II05'22	19.55769 AU	min. Earth dist.	-1230 Jan 20 j 10:04	18°E53'04	17.29550 AU
morning rise	-1237 Jul 09 j 15:37	19°II10'48		direct	-1230 Apr 05 j 10:43	16°E49'12	
retrograde	-1237 Oct 10 j 03:55	22°II31'12		evening set	-1230 Jul 10 j 12:57	20°E19'40	
opposition	-1237 Dec 22 j 17:35	20°II28'46	0°19'15	max. Earth dist.	-1230 Jul 25 j 21:55	21°E17'12	19.28348 AU
min. Earth dist.	-1237 Dec 23 j 16:04	20°II26'19	17.53220 AU				
direct	-1236 Mar 07 j 04:19	18°II23'37		conjunction	-1230 Jul 27 j 02:59	21°E21'47	0°36'05
evening set	-1236 Jun 10 j 07:03	21°II48'52		minimum elong	-1230 Jul 27 j 02:58	21°E21'47	0°36'06
max. Earth dist.	-1236 Jun 25 j 22:32	22°II46'20	19.50691 AU	morning rise	-1230 Aug 12 j 13:10	22°E23'21	
				retrograde	-1230 Nov 12 j 03:54	25°E45'47	
conjunction	-1236 Jun 27 j 01:50	22°II50'33	0°19'00	opposition	-1229 Jan 24 j 08:50	23°E43'15	0°41'26
minimum elong	-1236 Jun 27 j 01:50	22°II50'33	0°19'02	min. Earth dist.	-1229 Jan 25 j 09:38	23°E40'32	17.27401 AU
morning rise	-1236 Jul 13 j 18:00	23°II51'54		direct	-1229 Apr 10 j 14:30	21°E36'27	
retrograde	-1236 Oct 14 j 01:54	27°II12'45		evening set	-1229 Jul 15 j 18:18	25°E07'24	
opposition	-1236 Dec 26 j 14:25	25°II10'20	0°22'58	max. Earth dist.	-1229 Jul 31 j 02:15	26°E04'55	19.26528 AU
min. Earth dist.	-1236 Dec 27 j 14:20	25°II07'43	17.48289 AU				
direct	-1235 Mar 12 j 02:50	23°II04'54		conjunction	-1229 Aug 01 j 07:11	26°E09'29	0°38'11
evening set	-1235 Jun 15 j 11:28	26°II31'15		minimum elong	-1229 Aug 01 j 07:11	26°E09'29	0°38'12
max. Earth dist.	-1235 Jul 01 j 00:06	27°II28'31	19.45914 AU	morning rise	-1229 Aug 17 j 16:12	27°E11'00	
					-1229 Oct 13 j 12:25	0°E	

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Attention, astronomical year style is used: The year -1229 in astronomical counting style is the year 1230 BCE in historical counting style.

retrograde	-1229 Nov 17 j 03:10	0°Ω33'33		evening set	-1222 Aug 19 j 00:07	28°Ω44'48	
	-1229 Dec 22 j 10:40	30°κϢ		max. Earth dist.	-1222 Sep 03 j 08:18	29°Ω42'41	19.31809 AU
opposition	-1228 Jan 29 j 09:56	28°Ϣ31'02	0°43'38				
min. Earth dist.	-1228 Jan 30 j 10:46	28°Ϣ28'19	17.25936 AU	conjunction	-1222 Sep 04 j 04:29	29°Ω45'53	0°44'53
direct	-1228 Apr 14 j 16:55	26°Ϣ24'08		minimum elong	-1222 Sep 04 j 04:29	29°Ω45'53	0°44'53
evening set	-1228 Jul 19 j 23:21	29°Ϣ55'30			-1222 Sep 07 j 21:28	0°η	
	-1228 Jul 21 j 04:33	0°Ω		morning rise	-1222 Sep 20 j 05:04	0°η46'24	
max. Earth dist.	-1228 Aug 04 j 07:39	0°Ω53'10	19.25409 AU	retrograde	-1222 Dec 20 j 07:40	4°η08'20	
				opposition	-1221 Mar 04 j 03:09	2°η06'39	0°49'57
conjunction	-1228 Aug 05 j 11:12	0°Ω57'31	0°40'01	min. Earth dist.	-1221 Mar 04 j 19:42	2°η04'53	17.33224 AU
minimum elong	-1228 Aug 05 j 11:12	0°Ω57'31	0°40'02	direct	-1221 May 20 j 02:47	0°η00'40	
morning rise	-1228 Aug 21 j 19:03	1°Ω58'57		evening set	-1221 Aug 24 j 02:17	3°η31'19	
retrograde	-1228 Nov 21 j 05:02	5°Ω21'33					
opposition	-1227 Feb 02 j 11:24	3°Ω19'07	0°45'32	conjunction	-1221 Sep 09 j 05:36	4°η32'10	0°44'37
min. Earth dist.	-1227 Feb 03 j 10:34	3°Ω16'35	17.25150 AU	minimum elong	-1221 Sep 09 j 05:36	4°η32'10	0°44'38
direct	-1227 Apr 19 j 22:05	1°Ω12'15		max. Earth dist.	-1221 Sep 08 j 12:06	4°η29'24	19.34680 AU
evening set	-1227 Jul 25 j 04:25	4°Ω43'53		morning rise	-1221 Sep 25 j 04:52	5°η32'27	
				retrograde	-1221 Dec 25 j 06:29	8°η54'03	
conjunction	-1227 Aug 10 j 15:06	5°Ω45'49	0°41'35	opposition	-1220 Mar 08 j 06:04	6°η52'30	0°49'28
minimum elong	-1227 Aug 10 j 15:06	5°Ω45'49	0°41'35	min. Earth dist.	-1220 Mar 08 j 21:58	6°η50'48	17.36310 AU
max. Earth dist.	-1227 Aug 09 j 12:31	5°Ω41'37	19.24965 AU	direct	-1220 May 24 j 06:12	4°η46'43	
morning rise	-1227 Aug 26 j 21:39	6°Ω47'09		evening set	-1220 Aug 28 j 03:47	8°η16'44	
retrograde	-1227 Nov 26 j 04:11	10°Ω09'46					
opposition	-1226 Feb 07 j 13:21	8°Ω07'27	0°47'07	conjunction	-1220 Sep 13 j 05:46	9°η17'20	0°44'02
min. Earth dist.	-1226 Feb 08 j 12:33	8°Ω04'55	17.25048 AU	minimum elong	-1220 Sep 13 j 05:46	9°η17'20	0°44'02
direct	-1226 Apr 25 j 01:15	6°Ω00'38		max. Earth dist.	-1220 Sep 12 j 12:50	9°η14'40	19.37994 AU
evening set	-1226 Jul 30 j 09:13	9°Ω32'27		morning rise	-1220 Sep 29 j 04:09	10°η17'24	
				retrograde	-1220 Dec 29 j 06:50	13°η38'37	
conjunction	-1226 Aug 15 j 18:39	10°Ω34'15	0°42'51	opposition	-1219 Mar 13 j 08:48	11°η37'08	0°48'38
minimum elong	-1226 Aug 15 j 18:39	10°Ω34'15	0°42'52	min. Earth dist.	-1219 Mar 13 j 22:28	11°η35'41	17.39835 AU
max. Earth dist.	-1226 Aug 14 j 17:12	10°Ω30'13	19.25199 AU	direct	-1219 May 29 j 10:43	9°η31'34	
morning rise	-1226 Sep 01 j 00:03	11°Ω35'28		evening set	-1219 Sep 02 j 04:15	13°η00'51	
retrograde	-1226 Dec 01 j 06:13	14°Ω58'03					
opposition	-1225 Feb 12 j 15:38	12°Ω55'52	0°48'23	conjunction	-1219 Sep 18 j 05:13	14°η01'12	0°43'09
min. Earth dist.	-1225 Feb 13 j 12:49	12°Ω53'34	17.25588 AU	minimum elong	-1219 Sep 18 j 05:13	14°η01'12	0°43'09
direct	-1225 Apr 30 j 07:24	10°Ω49'11		max. Earth dist.	-1219 Sep 17 j 15:19	13°η59'00	19.41734 AU
evening set	-1225 Aug 04 j 13:30	14°Ω21'01		morning rise	-1219 Oct 04 j 02:24	15°η01'00	
	-1225 Aug 14 j 22:33	15°Ω		retrograde	-1218 Jan 03 j 04:58	18°η21'47	
				opposition	-1218 Mar 18 j 11:22	16°η20'24	0°47'29
conjunction	-1225 Aug 20 j 21:47	15°Ω22'41	0°43'49	min. Earth dist.	-1218 Mar 18 j 23:44	16°η19'05	17.43780 AU
minimum elong	-1225 Aug 20 j 21:47	15°Ω22'41	0°43'50	direct	-1218 Jun 03 j 13:44	14°η15'04	
max. Earth dist.	-1225 Aug 19 j 22:07	15°Ω18'56	19.26041 AU	evening set	-1218 Sep 07 j 03:54	17°η43'29	
morning rise	-1225 Sep 06 j 01:50	16°Ω23'45					
retrograde	-1225 Dec 06 j 05:32	19°Ω46'16		conjunction	-1218 Sep 23 j 03:34	18°η43'32	0°41'59
opposition	-1224 Feb 17 j 18:21	17°Ω44'13	0°49'18	minimum elong	-1218 Sep 23 j 03:34	18°η43'32	0°42'00
min. Earth dist.	-1224 Feb 18 j 15:31	17°Ω41'56	17.26724 AU	max. Earth dist.	-1218 Sep 22 j 14:43	18°η41'31	19.45913 AU
direct	-1224 May 04 j 11:03	15°Ω37'41		morning rise	-1218 Oct 08 j 23:57	19°η43'05	
evening set	-1224 Aug 08 j 17:37	19°Ω09'26		retrograde	-1217 Jan 08 j 04:00	23°η03'25	
max. Earth dist.	-1224 Aug 24 j 01:34	20°Ω07'17	19.27460 AU	opposition	-1217 Mar 23 j 13:32	21°η02'04	0°46'01
				min. Earth dist.	-1217 Mar 23 j 23:39	21°η00'59	17.48189 AU
conjunction	-1224 Aug 25 j 00:32	20°Ω10'55	0°44'29	direct	-1217 Jun 08 j 17:15	18°η56'59	
minimum elong	-1224 Aug 25 j 00:32	20°Ω10'55	0°44'30	evening set	-1217 Sep 12 j 02:15	22°η24'27	
morning rise	-1224 Sep 10 j 03:31	21°Ω11'49					
retrograde	-1224 Dec 10 j 07:13	24°Ω34'12		conjunction	-1217 Sep 28 j 01:01	23°η24'12	0°40'32
opposition	-1223 Feb 21 j 20:59	22°Ω32'17	0°49'52	minimum elong	-1217 Sep 28 j 01:01	23°η24'12	0°40'32
min. Earth dist.	-1223 Feb 22 j 16:05	22°Ω30'14	17.28402 AU	max. Earth dist.	-1217 Sep 27 j 15:28	23°η22'43	19.50553 AU
direct	-1223 May 09 j 17:12	20°Ω25'55		morning rise	-1217 Oct 13 j 20:23	24°η23'30	
evening set	-1223 Aug 13 j 21:10	23°Ω57'26		retrograde	-1216 Jan 13 j 00:52	27°η43'19	
max. Earth dist.	-1223 Aug 29 j 06:12	24°Ω55'27	19.29390 AU	opposition	-1216 Mar 27 j 15:19	25°η42'02	0°44'15
				min. Earth dist.	-1216 Mar 27 j 23:22	25°η41'11	17.53046 AU
conjunction	-1223 Aug 30 j 02:58	24°Ω58'44	0°44'51	direct	-1216 Jun 12 j 20:03	23°η37'15	
minimum elong	-1223 Aug 30 j 02:58	24°Ω58'44	0°44'51	evening set	-1216 Sep 15 j 23:54	27°η03'40	
morning rise	-1223 Sep 15 j 04:33	25°Ω59'27					
retrograde	-1223 Dec 15 j 06:34	29°Ω21'37		conjunction	-1216 Oct 01 j 21:27	28°η03'07	0°38'50
opposition	-1222 Feb 27 j 00:08	27°Ω19'51	0°50'05	minimum elong	-1216 Oct 01 j 21:27	28°η03'07	0°38'50
min. Earth dist.	-1222 Feb 27 j 18:58	27°Ω17'49	17.30577 AU	max. Earth dist.	-1216 Oct 01 j 13:21	28°η01'51	19.55649 AU
direct	-1222 May 14 j 21:07	25°Ω13'40		morning rise	-1216 Oct 17 j 16:05	29°η02'08	

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Attention, astronomical year style is used: The year -1216 in astronomical counting style is the year 1217 BCE in historical counting style.

	-1216 Nov 02 j 23:47	0° <u>♏</u>	evening set	-1209 Oct 18 j 03:37	28° <u>♏</u> 48'15	
retrograde	-1215 Jan 16 j 22:04	2° <u>♏</u> 21'26				
opposition	-1215 Apr 01 j 16:32	0° <u>♏</u> 20'14 0°42'13	conjunction	-1209 Nov 02 j 19:42	29° <u>♏</u> 45'32 0°21'16	
min. Earth dist.	-1215 Apr 01 j 22:27	0° <u>♏</u> 19'36 17.58383 AU	minimum elong	-1209 Nov 02 j 19:42	29° <u>♏</u> 45'32 0°21'15	
	-1215 Apr 09 j 17:14	30° <u>♏</u> 17	max. Earth dist.	-1209 Nov 03 j 03:48	29° <u>♏</u> 46'46 20.01417 AU	
direct	-1215 Jun 17 j 22:12	28° <u>♏</u> 15'47		-1209 Nov 06 j 17:49	0° <u>♏</u>	
	-1215 Aug 21 j 21:53	0° <u>♏</u>	morning rise	-1209 Nov 18 j 10:34	0° <u>♏</u> 42'39	
evening set	-1215 Sep 20 j 20:25	1° <u>♏</u> 41'06	retrograde	-1208 Feb 18 j 06:44	3° <u>♏</u> 57'52	
			opposition	-1208 May 04 j 10:27	1° <u>♏</u> 57'47 0°21'54	
conjunction	-1215 Oct 06 j 17:05	2° <u>♏</u> 40'16 0°36'54	min. Earth dist.	-1208 May 04 j 00:58	1° <u>♏</u> 58'45 18.04961 AU	
minimum elong	-1215 Oct 06 j 17:05	2° <u>♏</u> 40'16 0°36'53		-1208 Jul 08 j 16:09	30° <u>♏</u> 4	
max. Earth dist.	-1215 Oct 06 j 12:15	2° <u>♏</u> 39'30 19.61222 AU	direct	-1208 Jul 20 j 14:41	29° <u>♏</u> 56'23	
morning rise	-1215 Oct 22 j 10:51	3° <u>♏</u> 39'00		-1208 Aug 01 j 10:09	0° <u>♏</u>	
retrograde	-1214 Jan 21 j 17:42	6° <u>♏</u> 57'44	evening set	-1208 Oct 21 j 17:40	3° <u>♏</u> 12'54	
opposition	-1214 Apr 06 j 17:26	4° <u>♏</u> 56'40 0°39'55				
min. Earth dist.	-1214 Apr 06 j 20:38	4° <u>♏</u> 56'20 17.64166 AU	conjunction	-1208 Nov 06 j 09:13	4° <u>♏</u> 09'53 0°18'10	
direct	-1214 Jun 23 j 00:25	2° <u>♏</u> 52'37	minimum elong	-1208 Nov 06 j 09:13	4° <u>♏</u> 09'53 0°18'09	
evening set	-1214 Sep 25 j 15:56	6° <u>♏</u> 16'47	max. Earth dist.	-1208 Nov 06 j 19:16	4° <u>♏</u> 11'25 20.08526 AU	
			morning rise	-1208 Nov 21 j 23:48	5° <u>♏</u> 06'45	
conjunction	-1214 Oct 11 j 11:35	7° <u>♏</u> 15'37 0°34'45	retrograde	-1207 Feb 21 j 21:55	8° <u>♏</u> 21'20	
minimum elong	-1214 Oct 11 j 11:35	7° <u>♏</u> 15'37 0°34'44	opposition	-1207 May 09 j 07:03	6° <u>♏</u> 21'22 0°18'23	
max. Earth dist.	-1214 Oct 11 j 08:36	7° <u>♏</u> 15'09 19.67226 AU	min. Earth dist.	-1207 May 08 j 20:54	6° <u>♏</u> 22'24 18.12052 AU	
morning rise	-1214 Oct 27 j 04:45	8° <u>♏</u> 14'05	direct	-1207 Jul 25 j 08:54	4° <u>♏</u> 20'23	
retrograde	-1213 Jan 26 j 13:05	11° <u>♏</u> 32'17	evening set	-1207 Oct 26 j 06:49	7° <u>♏</u> 35'33	
opposition	-1213 Apr 11 j 17:49	9° <u>♏</u> 31'21 0°37'23				
min. Earth dist.	-1213 Apr 11 j 19:09	9° <u>♏</u> 31'12 17.70374 AU	conjunction	-1207 Nov 10 j 21:55	8° <u>♏</u> 32'14 0°14'59	
direct	-1213 Jun 28 j 00:30	7° <u>♏</u> 27'43	minimum elong	-1207 Nov 10 j 21:55	8° <u>♏</u> 32'14 0°14'58	
evening set	-1213 Sep 30 j 10:30	10° <u>♏</u> 50'41	behind sun begin	-1207 Nov 10 j 19:15	8° <u>♏</u> 31'50	
			behind sun end	-1207 Nov 11 j 00:35	8° <u>♏</u> 32'38	
conjunction	-1213 Oct 16 j 05:23	11° <u>♏</u> 49'13 0°32'23	max. Earth dist.	-1207 Nov 11 j 09:22	8° <u>♏</u> 33'58 20.15586 AU	
minimum elong	-1213 Oct 16 j 05:23	11° <u>♏</u> 49'13 0°32'23	morning rise	-1207 Nov 26 j 12:24	9° <u>♏</u> 28'51	
max. Earth dist.	-1213 Oct 16 j 05:18	11° <u>♏</u> 49'12 19.73622 AU	retrograde	-1206 Feb 26 j 14:18	12° <u>♏</u> 42'48	
morning rise	-1213 Oct 31 j 21:54	12° <u>♏</u> 47'24	opposition	-1206 May 14 j 02:49	10° <u>♏</u> 42'55 0°14'48	
retrograde	-1212 Jan 31 j 08:02	16° <u>♏</u> 05'01	min. Earth dist.	-1206 May 13 j 13:54	10° <u>♏</u> 44'14 18.19061 AU	
opposition	-1212 Apr 15 j 17:23	14° <u>♏</u> 04'16 0°34'38	direct	-1206 Jul 30 j 04:42	8° <u>♏</u> 42'19	
min. Earth dist.	-1212 Apr 15 j 15:55	14° <u>♏</u> 04'25 17.76917 AU	evening set	-1206 Oct 30 j 18:55	11° <u>♏</u> 56'07	
direct	-1212 Jul 02 j 01:05	12° <u>♏</u> 01'05				
evening set	-1212 Oct 04 j 04:14	15° <u>♏</u> 22'50	conjunction	-1206 Nov 15 j 09:43	12° <u>♏</u> 52'32 0°11'44	
			minimum elong	-1206 Nov 15 j 09:43	12° <u>♏</u> 52'32 0°11'44	
conjunction	-1212 Oct 19 j 22:16	16° <u>♏</u> 21'02 0°29'50	behind sun begin	-1206 Nov 15 j 05:01	12° <u>♏</u> 51'51	
minimum elong	-1212 Oct 19 j 22:16	16° <u>♏</u> 21'02 0°29'50	behind sun end	-1206 Nov 15 j 14:25	12° <u>♏</u> 53'14	
max. Earth dist.	-1212 Oct 20 j 00:06	16° <u>♏</u> 21'19 19.80311 AU	max. Earth dist.	-1206 Nov 15 j 23:16	12° <u>♏</u> 54'35 20.22537 AU	
morning rise	-1212 Nov 04 j 14:17	17° <u>♏</u> 18'57	morning rise	-1206 Dec 01 j 00:06	13° <u>♏</u> 48'55	
retrograde	-1211 Feb 04 j 01:53	20° <u>♏</u> 36'00		-1206 Dec 22 j 02:16	15° <u>♏</u>	
opposition	-1211 Apr 20 j 16:40	18° <u>♏</u> 35'25 0°31'41	retrograde	-1205 Mar 03 j 04:11	17° <u>♏</u> 02'13	
min. Earth dist.	-1211 Apr 20 j 13:50	18° <u>♏</u> 35'43 17.83733 AU	opposition	-1205 May 18 j 21:52	15° <u>♏</u> 02'24 0°11'09	
direct	-1211 Jul 06 j 22:36	16° <u>♏</u> 32'41	min. Earth dist.	-1205 May 18 j 08:26	15° <u>♏</u> 03'47 18.25962 AU	
evening set	-1211 Oct 08 j 20:52	19° <u>♏</u> 53'10		-1205 May 19 j 21:30	15° <u>♏</u>	
			direct	-1205 Aug 03 j 21:37	13° <u>♏</u> 02'09	
conjunction	-1211 Oct 24 j 14:12	20° <u>♏</u> 51'04 0°27'07		-1205 Oct 12 j 22:05	15° <u>♏</u>	
minimum elong	-1211 Oct 24 j 14:12	20° <u>♏</u> 51'04 0°27'07	evening set	-1205 Nov 04 j 06:13	16° <u>♏</u> 14'37	
max. Earth dist.	-1211 Oct 24 j 18:29	20° <u>♏</u> 51'43 19.87231 AU				
morning rise	-1211 Nov 09 j 05:44	21° <u>♏</u> 48'42	conjunction	-1205 Nov 19 j 20:42	17° <u>♏</u> 10'45 0°08'27	
retrograde	-1210 Feb 08 j 20:26	25° <u>♏</u> 05'09	minimum elong	-1205 Nov 19 j 20:43	17° <u>♏</u> 10'45 0°08'26	
opposition	-1210 Apr 25 j 15:16	23° <u>♏</u> 04'45 0°28'34	behind sun begin	-1205 Nov 19 j 14:57	17° <u>♏</u> 09'54	
min. Earth dist.	-1210 Apr 25 j 09:32	23° <u>♏</u> 05'21 17.90724 AU	behind sun end	-1205 Nov 20 j 02:29	17° <u>♏</u> 11'36	
direct	-1210 Jul 11 j 21:49	21° <u>♏</u> 02'29	max. Earth dist.	-1205 Nov 20 j 11:23	17° <u>♏</u> 12'58 20.29386 AU	
evening set	-1210 Oct 13 j 12:45	24° <u>♏</u> 21'40	morning rise	-1205 Dec 05 j 11:11	18° <u>♏</u> 06'54	
			retrograde	-1204 Mar 06 j 18:50	21° <u>♏</u> 19'34	
conjunction	-1210 Oct 29 j 05:23	25° <u>♏</u> 19'15 0°24'15	opposition	-1204 May 22 j 15:44	19° <u>♏</u> 19'48 0°07'29	
minimum elong	-1210 Oct 29 j 05:23	25° <u>♏</u> 19'15 0°24'14	min. Earth dist.	-1204 May 21 j 23:42	19° <u>♏</u> 21'26 18.32754 AU	
max. Earth dist.	-1210 Oct 29 j 11:40	25° <u>♏</u> 20'12 19.94284 AU	direct	-1204 Aug 07 j 15:12	17° <u>♏</u> 19'52	
morning rise	-1210 Nov 13 j 20:32	26° <u>♏</u> 16'38	evening set	-1204 Nov 07 j 16:35	20° <u>♏</u> 31'01	
retrograde	-1209 Feb 13 j 12:56	29° <u>♏</u> 32'28				
opposition	-1209 Apr 30 j 13:16	27° <u>♏</u> 32'14 0°25'18	conjunction	-1204 Nov 23 j 06:55	21° <u>♏</u> 26'54 0°05'10	
min. Earth dist.	-1209 Apr 30 j 06:35	27° <u>♏</u> 32'56 17.97832 AU	minimum elong	-1204 Nov 23 j 06:55	21° <u>♏</u> 26'54 0°05'09	
direct	-1209 Jul 16 j 17:13	25° <u>♏</u> 30'24	behind sun begin	-1204 Nov 23 j 00:34	21° <u>♏</u> 25'58	

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Attention, astronomical year style is used: The year -1204 in astronomical counting style is the year 1205 BCE in historical counting style.

behind sun end	-1204 Nov 23 j 13:16	21° $\overline{\text{M}}$ 27'50		opposition	-1198 Jun 18 j 11:24	14° $\overline{\text{A}}$ 25'51	-0°14'06
max. Earth dist.	-1204 Nov 23 j 23:54	21° $\overline{\text{M}}$ 29'27	20.36121 AU	direct	-1198 Sep 03 j 00:28	12° $\overline{\text{A}}$ 28'02	
morning rise	-1204 Dec 08 j 21:23	22° $\overline{\text{M}}$ 22'50		evening set	-1198 Dec 02 j 15:23	15° $\overline{\text{A}}$ 32'21	
retrograde	-1203 Mar 11 j 07:06	25° $\overline{\text{M}}$ 34'52					
opposition	-1203 May 27 j 09:07	23° $\overline{\text{M}}$ 35'09	0°03'48	conjunction	-1198 Dec 18 j 05:58	16° $\overline{\text{A}}$ 27'00	-0°14'17
min. Earth dist.	-1203 May 26 j 16:25	23° $\overline{\text{M}}$ 36'51	18.39453 AU	minimum elong	-1198 Dec 18 j 05:57	16° $\overline{\text{A}}$ 26'59	0°14'19
direct	-1203 Aug 12 j 06:44	21° $\overline{\text{M}}$ 35'34		behind sun begin	-1198 Dec 18 j 02:45	16° $\overline{\text{A}}$ 26'32	
evening set	-1203 Nov 12 j 02:02	24° $\overline{\text{M}}$ 45'25		behind sun end	-1198 Dec 18 j 09:10	16° $\overline{\text{A}}$ 27'27	
				max. Earth dist.	-1198 Dec 19 j 07:45	16° $\overline{\text{A}}$ 30'47	20.74354 AU
conjunction	-1203 Nov 27 j 16:08	25° $\overline{\text{M}}$ 41'03	0°01'50	morning rise	-1197 Jan 02 j 22:15	17° $\overline{\text{A}}$ 21'53	
minimum elong	-1203 Nov 27 j 16:09	25° $\overline{\text{M}}$ 41'03	0°01'49	retrograde	-1197 Apr 06 j 04:04	20° $\overline{\text{A}}$ 30'55	
behind sun begin	-1203 Nov 27 j 09:37	25° $\overline{\text{M}}$ 40'06		min. Earth dist.	-1197 Jun 21 j 23:25	18° $\overline{\text{A}}$ 34'17	18.77231 AU
behind sun end	-1203 Nov 27 j 22:40	25° $\overline{\text{M}}$ 42'00		opposition	-1197 Jun 23 j 00:13	18° $\overline{\text{A}}$ 31'48	-0°17'28
max. Earth dist.	-1203 Nov 28 j 10:15	25° $\overline{\text{M}}$ 43'45	20.42785 AU	direct	-1197 Sep 07 j 10:59	16° $\overline{\text{A}}$ 34'20	
morning rise	-1203 Dec 13 j 06:50	26° $\overline{\text{M}}$ 36'46		evening set	-1197 Dec 06 j 21:26	19° $\overline{\text{A}}$ 37'43	
retrograde	-1202 Mar 15 j 20:53	29° $\overline{\text{M}}$ 48'13					
min. Earth dist.	-1202 May 31 j 06:08	27° $\overline{\text{M}}$ 50'31	18.46083 AU	conjunction	-1197 Dec 22 j 12:10	20° $\overline{\text{A}}$ 32'12	-0°17'17
opposition	-1202 Jun 01 j 01:31	27° $\overline{\text{M}}$ 48'33	0°00'08	minimum elong	-1197 Dec 22 j 12:10	20° $\overline{\text{A}}$ 32'12	0°17'18
desc. node	-1202 Jun 14 j 14:56	27° $\overline{\text{M}}$ 16'05		max. Earth dist.	-1197 Dec 23 j 13:54	20° $\overline{\text{A}}$ 35'58	20.79991 AU
direct	-1202 Aug 16 j 21:53	25° $\overline{\text{M}}$ 49'18		morning rise	-1196 Jan 07 j 05:04	21° $\overline{\text{A}}$ 26'58	
evening set	-1202 Nov 16 j 10:48	28° $\overline{\text{M}}$ 57'56		retrograde	-1196 Apr 09 j 15:33	24° $\overline{\text{A}}$ 35'36	
				min. Earth dist.	-1196 Jun 25 j 10:13	22° $\overline{\text{A}}$ 39'12	18.82695 AU
conjunction	-1202 Dec 02 j 00:57	29° $\overline{\text{M}}$ 53'20	-0°01'34	opposition	-1196 Jun 26 j 12:14	22° $\overline{\text{A}}$ 36'36	-0°20'45
minimum elong	-1202 Dec 02 j 00:55	29° $\overline{\text{M}}$ 53'20	0°01'34	direct	-1196 Sep 10 j 20:59	20° $\overline{\text{A}}$ 39'27	
behind sun begin	-1202 Dec 01 j 18:23	29° $\overline{\text{M}}$ 52'23		evening set	-1196 Dec 10 j 03:03	23° $\overline{\text{A}}$ 41'58	
behind sun end	-1202 Dec 02 j 07:27	29° $\overline{\text{M}}$ 54'17					
max. Earth dist.	-1202 Dec 02 j 21:22	29° $\overline{\text{M}}$ 56'23	20.49365 AU	conjunction	-1196 Dec 25 j 18:11	24° $\overline{\text{A}}$ 36'19	-0°20'12
	-1202 Dec 03 j 21:32	0° $\overline{\text{A}}$		minimum elong	-1196 Dec 25 j 18:11	24° $\overline{\text{A}}$ 36'19	0°20'14
morning rise	-1202 Dec 17 j 15:44	0° $\overline{\text{A}}$ 48'52		max. Earth dist.	-1196 Dec 26 j 21:28	24° $\overline{\text{A}}$ 40'17	20.85248 AU
retrograde	-1201 Mar 20 j 07:45	3° $\overline{\text{A}}$ 59'45		morning rise	-1195 Jan 10 j 11:31	25° $\overline{\text{A}}$ 30'58	
opposition	-1201 Jun 05 j 17:04	2° $\overline{\text{A}}$ 00'10	-0°03'30	retrograde	-1195 Apr 13 j 23:35	28° $\overline{\text{A}}$ 39'15	
min. Earth dist.	-1201 Jun 04 j 21:03	2° $\overline{\text{A}}$ 02'11	18.52630 AU	opposition	-1195 Jun 30 j 23:52	26° $\overline{\text{A}}$ 40'20	-0°23'54
direct	-1201 Aug 21 j 11:45	0° $\overline{\text{A}}$ 01'16		min. Earth dist.	-1195 Jun 29 j 22:01	26° $\overline{\text{A}}$ 42'55	18.87746 AU
evening set	-1201 Nov 20 j 18:52	3° $\overline{\text{A}}$ 08'44		direct	-1195 Sep 15 j 06:11	24° $\overline{\text{A}}$ 43'28	
				evening set	-1195 Dec 14 j 08:20	27° $\overline{\text{A}}$ 45'09	
conjunction	-1201 Dec 06 j 08:56	4° $\overline{\text{A}}$ 03'56	-0°04'51				
minimum elong	-1201 Dec 06 j 08:56	4° $\overline{\text{A}}$ 03'56	0°04'52	conjunction	-1195 Dec 29 j 23:46	28° $\overline{\text{A}}$ 39'22	-0°23'00
behind sun begin	-1201 Dec 06 j 02:34	4° $\overline{\text{A}}$ 03'00		minimum elong	-1195 Dec 29 j 23:46	28° $\overline{\text{A}}$ 39'22	0°23'00
behind sun end	-1201 Dec 06 j 15:18	4° $\overline{\text{A}}$ 04'51		max. Earth dist.	-1195 Dec 31 j 02:34	28° $\overline{\text{A}}$ 43'16	20.90076 AU
max. Earth dist.	-1201 Dec 07 j 06:07	4° $\overline{\text{A}}$ 07'04	20.55865 AU	morning rise	-1194 Jan 14 j 17:50	29° $\overline{\text{A}}$ 33'57	
morning rise	-1201 Dec 22 j 00:07	4° $\overline{\text{A}}$ 59'16			-1194 Jan 22 j 12:21	0° $\overline{\text{B}}$	
retrograde	-1200 Mar 23 j 20:54	8° $\overline{\text{A}}$ 09'38		retrograde	-1194 Apr 18 j 10:00	2° $\overline{\text{B}}$ 41'54	
min. Earth dist.	-1200 Jun 08 j 09:27	6° $\overline{\text{A}}$ 12'24	18.59072 AU	min. Earth dist.	-1194 Jul 04 j 08:18	0° $\overline{\text{B}}$ 45'41	18.92341 AU
opposition	-1200 Jun 09 j 07:48	6° $\overline{\text{A}}$ 10'09	-0°07'06	opposition	-1194 Jul 05 j 10:52	0° $\overline{\text{B}}$ 43'02	-0°26'55
direct	-1200 Aug 25 j 00:46	4° $\overline{\text{A}}$ 11'37			-1194 Jul 23 j 20:44	30° $\overline{\text{R}}$ $\overline{\text{A}}$	
evening set	-1200 Nov 24 j 02:11	7° $\overline{\text{A}}$ 17'59		direct	-1194 Sep 19 j 14:49	28° $\overline{\text{A}}$ 46'23	
					-1194 Nov 13 j 06:48	0° $\overline{\text{B}}$	
conjunction	-1200 Dec 09 j 16:23	8° $\overline{\text{A}}$ 12'58	-0°08'03	evening set	-1194 Dec 18 j 13:23	1° $\overline{\text{B}}$ 47'18	
minimum elong	-1200 Dec 09 j 16:23	8° $\overline{\text{A}}$ 12'58	0°08'04				
behind sun begin	-1200 Dec 09 j 10:32	8° $\overline{\text{A}}$ 12'07		conjunction	-1193 Jan 03 j 05:23	2° $\overline{\text{B}}$ 41'25	-0°25'40
behind sun end	-1200 Dec 09 j 22:14	8° $\overline{\text{A}}$ 13'48		minimum elong	-1193 Jan 03 j 05:23	2° $\overline{\text{B}}$ 41'25	0°25'41
max. Earth dist.	-1200 Dec 10 j 15:48	8° $\overline{\text{A}}$ 16'26	20.62224 AU	max. Earth dist.	-1193 Jan 04 j 09:16	2° $\overline{\text{B}}$ 45'27	20.94405 AU
morning rise	-1200 Dec 25 j 07:48	9° $\overline{\text{A}}$ 08'09		morning rise	-1193 Jan 18 j 23:59	3° $\overline{\text{B}}$ 35'55	
retrograde	-1199 Mar 28 j 06:45	12° $\overline{\text{A}}$ 18'02		retrograde	-1193 Apr 22 j 17:43	6° $\overline{\text{B}}$ 43'32	
opposition	-1199 Jun 13 j 22:00	10° $\overline{\text{A}}$ 18'40	-0°10'38	opposition	-1193 Jul 09 j 21:07	4° $\overline{\text{B}}$ 44'41	-0°29'48
min. Earth dist.	-1199 Jun 12 j 23:10	10° $\overline{\text{A}}$ 20'58	18.65351 AU	min. Earth dist.	-1193 Jul 08 j 19:00	4° $\overline{\text{B}}$ 47'17	18.96413 AU
direct	-1199 Aug 29 j 13:01	8° $\overline{\text{A}}$ 20'31		direct	-1193 Sep 23 j 23:03	2° $\overline{\text{B}}$ 48'13	
evening set	-1199 Nov 28 j 09:06	11° $\overline{\text{A}}$ 25'49		evening set	-1193 Dec 22 j 18:10	5° $\overline{\text{B}}$ 48'24	
conjunction	-1199 Dec 13 j 23:21	12° $\overline{\text{A}}$ 20'37	-0°11'12	conjunction	-1192 Jan 07 j 10:35	6° $\overline{\text{B}}$ 42'26	-0°28'12
minimum elong	-1199 Dec 13 j 23:21	12° $\overline{\text{A}}$ 20'37	0°11'13	minimum elong	-1192 Jan 07 j 10:35	6° $\overline{\text{B}}$ 42'26	0°28'13
behind sun begin	-1199 Dec 13 j 18:27	12° $\overline{\text{A}}$ 19'55		max. Earth dist.	-1192 Jan 08 j 13:33	6° $\overline{\text{B}}$ 46'20	20.98221 AU
behind sun end	-1199 Dec 14 j 04:15	12° $\overline{\text{A}}$ 21'19		morning rise	-1192 Jan 23 j 06:02	7° $\overline{\text{B}}$ 36'52	
max. Earth dist.	-1199 Dec 14 j 23:11	12° $\overline{\text{A}}$ 24'08	20.68412 AU	retrograde	-1192 Apr 26 j 02:41	10° $\overline{\text{B}}$ 44'11	
morning rise	-1199 Dec 29 j 15:17	13° $\overline{\text{A}}$ 15'39		min. Earth dist.	-1192 Jul 12 j 04:25	8° $\overline{\text{B}}$ 47'57	18.99972 AU
retrograde	-1198 Apr 01 j 19:14	16° $\overline{\text{A}}$ 25'06		opposition	-1192 Jul 13 j 06:54	8° $\overline{\text{B}}$ 45'19	-0°32'31
min. Earth dist.	-1198 Jun 17 j 10:42	14° $\overline{\text{A}}$ 28'19	18.71434 AU	direct	-1192 Sep 27 j 06:19	6° $\overline{\text{B}}$ 48'57	

Attention, astronomical year style is used: The year -1192 in astronomical counting style is the year 1193 BCE in historical counting style.

evening set	-1192 Dec 25 j 22:25	9° $\overline{3}$ 48'29		max. Earth dist.	-1185 Feb 04 j 22:56	4° \approx 31'05	21.12230 AU
				morning rise	-1185 Feb 19 j 20:51	5° \approx 21'40	
conjunction	-1191 Jan 10 j 15:31	10° $\overline{3}$ 42'26	-0°30'35	retrograde	-1185 May 25 j 07:47	8° \approx 27'56	
minimum elong	-1191 Jan 10 j 15:30	10° $\overline{3}$ 42'26	0°30'36	opposition	-1185 Aug 11 j 13:07	6° \approx 28'45	-0°46'18
max. Earth dist.	-1191 Jan 11 j 19:31	10° $\overline{3}$ 46'28	21.01514 AU	min. Earth dist.	-1185 Aug 10 j 12:27	6° \approx 31'14	19.12509 AU
morning rise	-1191 Jan 26 j 11:34	11° $\overline{3}$ 36'49		direct	-1185 Oct 25 j 21:16	4° \approx 32'45	
retrograde	-1191 Apr 30 j 10:04	14° $\overline{3}$ 43'51		evening set	-1184 Jan 23 j 02:25	7° \approx 29'46	
opposition	-1191 Jul 17 j 16:08	12° $\overline{3}$ 44'56	-0°35'04				
min. Earth dist.	-1191 Jul 16 j 14:00	12° $\overline{3}$ 47'33	19.03019 AU	conjunction	-1184 Feb 08 j 00:40	8° \approx 23'45	-0°42'28
direct	-1191 Oct 01 j 13:41	10° $\overline{3}$ 48'40		minimum elong	-1184 Feb 08 j 00:40	8° \approx 23'45	0°42'28
evening set	-1191 Dec 30 j 02:38	13° $\overline{3}$ 47'34		max. Earth dist.	-1184 Feb 09 j 02:23	8° \approx 27'25	21.12587 AU
				morning rise	-1184 Feb 24 j 02:59	9° \approx 18'18	
conjunction	-1190 Jan 14 j 20:14	14° $\overline{3}$ 41'29	-0°32'49	retrograde	-1184 May 28 j 16:15	12° \approx 24'40	
minimum elong	-1190 Jan 14 j 20:14	14° $\overline{3}$ 41'28	0°32'50	opposition	-1184 Aug 14 j 19:39	10° \approx 25'27	-0°47'27
max. Earth dist.	-1190 Jan 15 j 23:21	14° $\overline{3}$ 45'22	21.04336 AU	min. Earth dist.	-1184 Aug 13 j 19:42	10° \approx 27'52	19.12642 AU
morning rise	-1190 Jan 30 j 17:14	15° $\overline{3}$ 35'50		direct	-1184 Oct 29 j 00:49	8° \approx 29'29	
retrograde	-1190 May 04 j 18:19	18° $\overline{3}$ 42'37		evening set	-1183 Jan 26 j 06:43	11° \approx 26'28	
min. Earth dist.	-1190 Jul 20 j 22:22	16° $\overline{3}$ 46'15	19.05624 AU				
opposition	-1190 Jul 22 j 00:42	16° $\overline{3}$ 43'38	-0°37'25	conjunction	-1183 Feb 11 j 05:59	12° \approx 20'34	-0°43'24
direct	-1190 Oct 05 j 19:55	14° $\overline{3}$ 47'24		minimum elong	-1183 Feb 11 j 05:59	12° \approx 20'34	0°43'25
evening set	-1189 Jan 03 j 06:35	17° $\overline{3}$ 45'47		max. Earth dist.	-1183 Feb 12 j 08:02	12° \approx 24'16	21.12478 AU
				morning rise	-1183 Feb 27 j 09:08	13° \approx 15'12	
conjunction	-1189 Jan 19 j 00:58	18° $\overline{3}$ 39'39	-0°34'52		-1183 Apr 03 j 05:44	15° \approx	
minimum elong	-1189 Jan 19 j 00:58	18° $\overline{3}$ 39'39	0°34'53	retrograde	-1183 Jun 01 j 23:54	16° \approx 21'40	
max. Earth dist.	-1189 Jan 20 j 05:03	18° $\overline{3}$ 43'41	21.06712 AU		-1183 Aug 03 j 05:56	15° \approx	
morning rise	-1189 Feb 03 j 22:39	19° $\overline{3}$ 34'00		min. Earth dist.	-1183 Aug 18 j 03:01	14° \approx 24'46	19.12282 AU
retrograde	-1189 May 09 j 01:15	22° $\overline{3}$ 40'34		opposition	-1183 Aug 19 j 02:02	14° \approx 22'28	-0°48'23
min. Earth dist.	-1189 Jul 25 j 06:46	20° $\overline{3}$ 44'07	19.07792 AU	direct	-1183 Nov 02 j 05:38	12° \approx 26'29	
opposition	-1189 Jul 26 j 08:46	20° $\overline{3}$ 41'31	-0°39'36		-1182 Jan 23 j 07:22	15° \approx	
direct	-1189 Oct 10 j 01:50	18° $\overline{3}$ 45'21		evening set	-1182 Jan 30 j 11:41	15° \approx 23'33	
evening set	-1188 Jan 07 j 10:29	21° $\overline{3}$ 43'16					
				conjunction	-1182 Feb 15 j 11:46	16° \approx 17'44	-0°44'09
conjunction	-1188 Jan 23 j 05:27	22° $\overline{3}$ 37'07	-0°36'45	minimum elong	-1182 Feb 15 j 11:46	16° \approx 17'44	0°44'08
minimum elong	-1188 Jan 23 j 05:27	22° $\overline{3}$ 37'07	0°36'47	max. Earth dist.	-1182 Feb 16 j 11:44	16° \approx 21'09	21.11871 AU
max. Earth dist.	-1188 Jan 24 j 08:30	22° $\overline{3}$ 40'59	21.08682 AU	morning rise	-1182 Mar 03 j 16:03	17° \approx 12'30	
morning rise	-1188 Feb 08 j 04:05	23° $\overline{3}$ 31'28		retrograde	-1182 Jun 06 j 08:47	20° \approx 19'07	
retrograde	-1188 May 12 j 09:25	26° $\overline{3}$ 37'53		min. Earth dist.	-1182 Aug 22 j 10:31	18° \approx 22'04	19.11410 AU
opposition	-1188 Jul 29 j 16:22	24° $\overline{3}$ 38'46	-0°41'35	opposition	-1182 Aug 23 j 08:13	18° \approx 19'52	-0°49'05
min. Earth dist.	-1188 Jul 28 j 14:20	24° $\overline{3}$ 41'22	19.09570 AU	direct	-1182 Nov 06 j 08:47	16° \approx 23'52	
direct	-1188 Oct 13 j 07:18	22° $\overline{3}$ 42'38		evening set	-1181 Feb 03 j 16:57	19° \approx 21'04	
evening set	-1187 Jan 10 j 14:17	25° $\overline{3}$ 40'12					
				conjunction	-1181 Feb 19 j 18:08	20° \approx 15'23	-0°44'40
conjunction	-1187 Jan 26 j 10:06	26° $\overline{3}$ 34'04	-0°38'28	minimum elong	-1181 Feb 19 j 18:08	20° \approx 15'23	0°44'41
minimum elong	-1187 Jan 26 j 10:06	26° $\overline{3}$ 34'04	0°38'28	max. Earth dist.	-1181 Feb 20 j 17:48	20° \approx 18'45	21.10711 AU
max. Earth dist.	-1187 Jan 27 j 14:03	26° $\overline{3}$ 38'03	21.10258 AU	morning rise	-1181 Mar 07 j 23:14	21° \approx 10'16	
morning rise	-1187 Feb 11 j 09:28	27° $\overline{3}$ 28'26		retrograde	-1181 Jun 10 j 16:49	24° \approx 17'03	
	-1187 Apr 08 j 10:54	0° \approx		opposition	-1181 Aug 27 j 14:25	22° \approx 17'46	-0°49'33
retrograde	-1187 May 16 j 16:19	0° \approx 34'45		min. Earth dist.	-1181 Aug 26 j 17:58	22° \approx 19'50	19.09954 AU
	-1187 Jun 24 j 20:11	30° \approx $\overline{3}$		direct	-1181 Nov 10 j 13:49	20° \approx 21'42	
opposition	-1187 Aug 02 j 23:39	28° $\overline{3}$ 35'36	-0°43'21	evening set	-1180 Feb 07 j 22:38	23° \approx 19'06	
min. Earth dist.	-1187 Aug 01 j 21:58	28° $\overline{3}$ 38'10	19.10952 AU				
direct	-1187 Oct 17 j 12:08	26° $\overline{3}$ 39'31		conjunction	-1180 Feb 24 j 00:40	24° \approx 13'33	-0°44'59
evening set	-1186 Jan 14 j 18:09	29° $\overline{3}$ 36'48		minimum elong	-1180 Feb 24 j 00:40	24° \approx 13'33	0°44'59
	-1186 Jan 21 j 15:20	0° \approx		max. Earth dist.	-1180 Feb 24 j 21:48	24° \approx 16'33	21.08969 AU
				morning rise	-1180 Mar 11 j 06:53	25° \approx 08'34	
conjunction	-1186 Jan 30 j 14:41	0° \approx 30'41	-0°39'59	retrograde	-1180 Jun 14 j 02:12	28° \approx 15'34	
minimum elong	-1186 Jan 30 j 14:41	0° \approx 30'41	0°40'00	opposition	-1180 Aug 30 j 20:41	26° \approx 16'11	-0°49'46
max. Earth dist.	-1186 Jan 31 j 17:25	0° \approx 34'30	21.11451 AU	min. Earth dist.	-1180 Aug 30 j 01:47	26° \approx 18'06	19.07916 AU
morning rise	-1186 Feb 15 j 15:07	1° \approx 25'06		direct	-1180 Nov 13 j 17:48	24° \approx 19'58	
retrograde	-1186 May 21 j 00:42	4° \approx 31'23		evening set	-1179 Feb 11 j 04:42	27° \approx 17'37	
min. Earth dist.	-1186 Aug 06 j 05:15	2° \approx 34'44	19.11946 AU				
opposition	-1186 Aug 07 j 06:36	2° \approx 32'12	-0°44'56	conjunction	-1179 Feb 27 j 07:53	28° \approx 12'14	-0°45'05
direct	-1186 Oct 21 j 16:44	0° \approx 36'09		minimum elong	-1179 Feb 27 j 07:53	28° \approx 12'14	0°45'06
evening set	-1185 Jan 18 j 22:08	3° \approx 33'15		max. Earth dist.	-1179 Feb 28 j 04:28	28° \approx 15'09	21.06637 AU
				morning rise	-1179 Mar 15 j 14:57	29° \approx 07'25	
conjunction	-1185 Feb 03 j 19:38	4° \approx 27'11	-0°41'19		-1179 Apr 01 j 00:32	0° \approx	
minimum elong	-1185 Feb 03 j 19:38	4° \approx 27'11	0°41'20	retrograde	-1179 Jun 18 j 10:25	2° \approx \overline{H} 14'37	

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Attention, astronomical year style is used: The year -1179 in astronomical counting style is the year 1180 BCE in historical counting style.

min. Earth dist.	-1179 Sep 03 j 09:11	0° $\mathbf{\text{H}}$ 16'54	19.05292 AU	conjunction	-1172 Mar 27 j 23:43	26° $\mathbf{\text{H}}$ 22'41	-0°39'37
opposition	-1179 Sep 04 j 02:48	0° $\mathbf{\text{H}}$ 15'06	-0°49'45	minimum elong	-1172 Mar 27 j 23:43	26° $\mathbf{\text{H}}$ 22'41	0°39'37
	-1179 Sep 10 j 08:02	30° $\mathbf{\text{R}}$		max. Earth dist.	-1172 Mar 28 j 08:09	26° $\mathbf{\text{H}}$ 23'53	20.77897 AU
direct	-1179 Nov 17 j 22:37	28° $\mathbf{\text{R}}$ 18'43		morning rise	-1172 Apr 13 j 13:33	27° $\mathbf{\text{H}}$ 19'18	
	-1178 Jan 21 j 21:43	0° $\mathbf{\text{H}}$			-1172 Jun 12 j 20:53	0° $\mathbf{\text{Y}}$	
evening set	-1178 Feb 15 j 11:14	1° $\mathbf{\text{H}}$ 16'40		retrograde	-1172 Jul 17 j 06:32	0° $\mathbf{\text{Y}}$ 28'55	
					-1172 Aug 20 j 23:18	30° $\mathbf{\text{R}}$	
conjunction	-1178 Mar 03 j 15:22	2° $\mathbf{\text{H}}$ 11'27	-0°44'57	opposition	-1172 Oct 01 j 23:58	28° $\mathbf{\text{H}}$ 28'15	-0°42'57
minimum elong	-1178 Mar 03 j 15:22	2° $\mathbf{\text{H}}$ 11'27	0°44'58	min. Earth dist.	-1172 Oct 01 j 16:56	28° $\mathbf{\text{H}}$ 28'58	18.75270 AU
max. Earth dist.	-1178 Mar 04 j 09:16	2° $\mathbf{\text{H}}$ 14'00	21.03754 AU	direct	-1172 Dec 15 j 13:18	26° $\mathbf{\text{H}}$ 29'57	
morning rise	-1178 Mar 19 j 23:37	3° $\mathbf{\text{H}}$ 06'48		evening set	-1171 Mar 16 j 00:08	29° $\mathbf{\text{H}}$ 32'07	
retrograde	-1178 Jun 22 j 20:14	6° $\mathbf{\text{H}}$ 14'15			-1171 Mar 24 j 04:54	0° $\mathbf{\text{Y}}$	
opposition	-1178 Sep 08 j 08:58	4° $\mathbf{\text{H}}$ 14'34	-0°49'30				
min. Earth dist.	-1178 Sep 07 j 17:07	4° $\mathbf{\text{H}}$ 16'11	19.02145 AU	conjunction	-1171 Apr 01 j 11:39	0° $\mathbf{\text{Y}}$ 28'32	-0°38'00
direct	-1178 Nov 22 j 03:34	2° $\mathbf{\text{H}}$ 17'56		minimum elong	-1171 Apr 01 j 11:39	0° $\mathbf{\text{Y}}$ 28'32	0°38'00
evening set	-1177 Feb 19 j 18:11	5° $\mathbf{\text{H}}$ 16'17		max. Earth dist.	-1171 Apr 01 j 19:28	0° $\mathbf{\text{Y}}$ 29'39	20.72573 AU
				morning rise	-1171 Apr 18 j 02:09	1° $\mathbf{\text{Y}}$ 25'24	
conjunction	-1177 Mar 07 j 23:28	6° $\mathbf{\text{H}}$ 11'15	-0°44'36	retrograde	-1171 Jul 21 j 18:44	4° $\mathbf{\text{Y}}$ 35'30	
minimum elong	-1177 Mar 07 j 23:28	6° $\mathbf{\text{H}}$ 11'15	0°44'36	opposition	-1171 Oct 06 j 07:22	2° $\mathbf{\text{Y}}$ 34'43	-0°41'02
max. Earth dist.	-1177 Mar 08 j 16:53	6° $\mathbf{\text{H}}$ 13'43	21.00359 AU	min. Earth dist.	-1171 Oct 06 j 01:30	2° $\mathbf{\text{Y}}$ 35'20	18.69815 AU
morning rise	-1177 Mar 24 j 08:31	7° $\mathbf{\text{H}}$ 06'46		direct	-1171 Dec 19 j 21:12	0° $\mathbf{\text{Y}}$ 36'10	
retrograde	-1177 Jun 27 j 04:31	10° $\mathbf{\text{H}}$ 14'28		evening set	-1170 Mar 20 j 11:59	3° $\mathbf{\text{Y}}$ 39'15	
opposition	-1177 Sep 12 j 14:57	8° $\mathbf{\text{H}}$ 14'37	-0°49'00				
min. Earth dist.	-1177 Sep 12 j 00:18	8° $\mathbf{\text{H}}$ 16'07	18.98514 AU	conjunction	-1170 Apr 06 j 00:19	4° $\mathbf{\text{Y}}$ 35'56	-0°36'10
direct	-1177 Nov 26 j 08:17	6° $\mathbf{\text{H}}$ 17'45		minimum elong	-1170 Apr 06 j 00:19	4° $\mathbf{\text{Y}}$ 35'56	0°36'09
evening set	-1176 Feb 24 j 01:40	9° $\mathbf{\text{H}}$ 16'32		max. Earth dist.	-1170 Apr 06 j 05:00	4° $\mathbf{\text{Y}}$ 36'36	20.67003 AU
				morning rise	-1170 Apr 22 j 15:48	5° $\mathbf{\text{Y}}$ 33'04	
conjunction	-1176 Mar 11 j 07:51	10° $\mathbf{\text{H}}$ 11'42	-0°44'02	retrograde	-1170 Jul 26 j 05:59	8° $\mathbf{\text{Y}}$ 43'42	
minimum elong	-1176 Mar 11 j 07:51	10° $\mathbf{\text{H}}$ 11'42	0°44'03	opposition	-1170 Oct 10 j 15:25	6° $\mathbf{\text{Y}}$ 42'50	-0°38'55
max. Earth dist.	-1176 Mar 11 j 22:40	10° $\mathbf{\text{H}}$ 13'48	20.96532 AU	min. Earth dist.	-1170 Oct 10 j 11:54	6° $\mathbf{\text{Y}}$ 43'12	18.64113 AU
morning rise	-1176 Mar 27 j 18:03	11° $\mathbf{\text{H}}$ 07'25		direct	-1170 Dec 24 j 04:02	4° $\mathbf{\text{Y}}$ 43'59	
retrograde	-1176 Jun 30 j 14:29	14° $\mathbf{\text{H}}$ 15'26		evening set	-1169 Mar 25 j 00:36	7° $\mathbf{\text{Y}}$ 48'03	
opposition	-1176 Sep 15 j 21:12	12° $\mathbf{\text{H}}$ 15'23	-0°48'16				
min. Earth dist.	-1176 Sep 15 j 08:15	12° $\mathbf{\text{H}}$ 16'42	18.94494 AU	conjunction	-1169 Apr 10 j 14:00	8° $\mathbf{\text{Y}}$ 45'02	-0°34'08
direct	-1176 Nov 29 j 13:41	10° $\mathbf{\text{H}}$ 18'13		minimum elong	-1169 Apr 10 j 14:00	8° $\mathbf{\text{Y}}$ 45'02	0°34'08
evening set	-1175 Feb 27 j 09:28	13° $\mathbf{\text{H}}$ 17'31		max. Earth dist.	-1169 Apr 10 j 17:44	8° $\mathbf{\text{Y}}$ 45'34	20.61160 AU
				morning rise	-1169 Apr 27 j 06:00	9° $\mathbf{\text{Y}}$ 42'26	
conjunction	-1175 Mar 15 j 16:51	14° $\mathbf{\text{H}}$ 12'55	-0°43'15	retrograde	-1169 Jul 30 j 19:20	12° $\mathbf{\text{Y}}$ 53'37	
minimum elong	-1175 Mar 15 j 16:51	14° $\mathbf{\text{H}}$ 12'55	0°43'15	opposition	-1169 Oct 14 j 23:46	10° $\mathbf{\text{Y}}$ 52'40	-0°36'34
max. Earth dist.	-1175 Mar 16 j 07:19	14° $\mathbf{\text{H}}$ 14'58	20.92327 AU	min. Earth dist.	-1169 Oct 14 j 21:34	10° $\mathbf{\text{Y}}$ 52'54	18.58121 AU
morning rise	-1175 Apr 01 j 03:51	15° $\mathbf{\text{H}}$ 08'50		direct	-1169 Dec 28 j 13:18	8° $\mathbf{\text{Y}}$ 53'31	
retrograde	-1175 Jul 04 j 23:40	18° $\mathbf{\text{H}}$ 17'11		evening set	-1168 Mar 28 j 14:20	11° $\mathbf{\text{Y}}$ 58'38	
opposition	-1175 Sep 20 j 03:31	16° $\mathbf{\text{H}}$ 16'58	-0°47'17				
min. Earth dist.	-1175 Sep 19 j 15:37	16° $\mathbf{\text{H}}$ 18'11	18.90113 AU	conjunction	-1168 Apr 14 j 04:28	12° $\mathbf{\text{Y}}$ 55'55	-0°31'54
direct	-1175 Dec 03 j 19:14	14° $\mathbf{\text{H}}$ 19'31		minimum elong	-1168 Apr 14 j 04:28	12° $\mathbf{\text{Y}}$ 55'55	0°31'53
evening set	-1174 Mar 03 j 18:11	17° $\mathbf{\text{H}}$ 19'26		max. Earth dist.	-1168 Apr 14 j 04:43	12° $\mathbf{\text{Y}}$ 55'57	20.55028 AU
				morning rise	-1168 Apr 30 j 21:17	13° $\mathbf{\text{Y}}$ 53'35	
conjunction	-1174 Mar 20 j 02:29	18° $\mathbf{\text{H}}$ 15'03	-0°42'15	retrograde	-1168 Aug 03 j 07:55	17° $\mathbf{\text{Y}}$ 05'22	
minimum elong	-1174 Mar 20 j 02:29	18° $\mathbf{\text{H}}$ 15'03	0°42'15	opposition	-1168 Oct 18 j 08:51	15° $\mathbf{\text{Y}}$ 04'17	-0°34'00
max. Earth dist.	-1174 Mar 20 j 14:13	18° $\mathbf{\text{H}}$ 16'43	20.87798 AU	min. Earth dist.	-1168 Oct 18 j 09:18	15° $\mathbf{\text{Y}}$ 04'15	18.51842 AU
morning rise	-1174 Apr 05 j 14:35	19° $\mathbf{\text{H}}$ 11'12		direct	-1168 Dec 31 j 21:31	13° $\mathbf{\text{Y}}$ 04'48	
retrograde	-1174 Jul 09 j 09:37	22° $\mathbf{\text{H}}$ 19'55		evening set	-1167 Apr 02 j 04:50	16° $\mathbf{\text{Y}}$ 11'00	
opposition	-1174 Sep 24 j 09:58	20° $\mathbf{\text{H}}$ 19'31	-0°46'04				
min. Earth dist.	-1174 Sep 23 j 23:57	20° $\mathbf{\text{H}}$ 20'33	18.85435 AU	conjunction	-1167 Apr 18 j 20:02	17° $\mathbf{\text{Y}}$ 08'36	-0°29'29
direct	-1174 Dec 08 j 00:45	18° $\mathbf{\text{H}}$ 21'47		minimum elong	-1167 Apr 18 j 20:02	17° $\mathbf{\text{Y}}$ 08'36	0°29'29
evening set	-1173 Mar 08 j 03:26	21° $\mathbf{\text{H}}$ 22'23		max. Earth dist.	-1167 Apr 18 j 18:59	17° $\mathbf{\text{Y}}$ 08'27	20.48594 AU
				morning rise	-1167 May 05 j 13:20	18° $\mathbf{\text{Y}}$ 06'32	
conjunction	-1173 Mar 24 j 12:55	22° $\mathbf{\text{H}}$ 18'15	-0°41'02	retrograde	-1167 Aug 07 j 22:32	21° $\mathbf{\text{Y}}$ 18'54	
minimum elong	-1173 Mar 24 j 12:55	22° $\mathbf{\text{H}}$ 18'15	0°41'02	opposition	-1167 Oct 22 j 18:25	19° $\mathbf{\text{Y}}$ 17'42	-0°31'14
max. Earth dist.	-1173 Mar 25 j 00:08	22° $\mathbf{\text{H}}$ 19'51	20.82976 AU	min. Earth dist.	-1167 Oct 22 j 20:12	19° $\mathbf{\text{Y}}$ 17'31	18.45245 AU
morning rise	-1173 Apr 10 j 01:43	23° $\mathbf{\text{H}}$ 14'38		direct	-1166 Jan 05 j 08:21	17° $\mathbf{\text{Y}}$ 17'51	
retrograde	-1173 Jul 13 j 20:19	26° $\mathbf{\text{H}}$ 23'46		evening set	-1166 Apr 06 j 20:35	20° $\mathbf{\text{Y}}$ 25'10	
opposition	-1173 Sep 28 j 16:44	24° $\mathbf{\text{H}}$ 23'14	-0°44'37				
min. Earth dist.	-1173 Sep 28 j 07:45	24° $\mathbf{\text{H}}$ 24'09	18.80473 AU	conjunction	-1166 Apr 23 j 12:25	21° $\mathbf{\text{Y}}$ 23'04	-0°26'53
direct	-1173 Dec 12 j 07:25	22° $\mathbf{\text{H}}$ 25'13		minimum elong	-1166 Apr 23 j 12:25	21° $\mathbf{\text{Y}}$ 23'04	0°26'52
evening set	-1172 Mar 11 j 13:23	25° $\mathbf{\text{H}}$ 26'33		max. Earth dist.	-1166 Apr 23 j 07:43	21° $\mathbf{\text{Y}}$ 22'23	20.41855 AU
				morning rise	-1166 May 10 j 06:24	22° $\mathbf{\text{Y}}$ 21'18	

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Attention, astronomical year style is used: The year -1166 in astronomical counting style is the year 1167 BCE in historical counting style.

retrograde	-1166 Aug 12 j 12:08	25° Υ 34'14	behind sun end	-1160 May 20 j 14:12	17° 8 28'33	
opposition	-1166 Oct 27 j 04:35	23° Υ 32'53 -0°28'16	max. Earth dist.	-1160 May 19 j 15:32	17° 8 25'12	19.98744 AU
min. Earth dist.	-1166 Oct 27 j 09:10	23° Υ 32'24 18.38374 AU	morning rise	-1160 Jun 06 j 03:47	18° 8 27'32	
direct	-1165 Jan 09 j 18:26	21° Υ 32'36	retrograde	-1160 Sep 07 j 15:01	21° 8 44'02	
evening set	-1165 Apr 11 j 13:01	24° Υ 41'06	opposition	-1160 Nov 21 j 06:29	19° 8 41'46 -0°07'20	
			min. Earth dist.	-1160 Nov 21 j 21:13	19° 8 40'10	17.95243 AU
conjunction	-1165 Apr 28 j 05:47	25° Υ 39'20 -0°24'08	direct	-1159 Feb 04 j 03:11	17° 8 38'50	
minimum elong	-1165 Apr 28 j 05:47	25° Υ 39'20 0°24'07	evening set	-1159 May 08 j 10:49	20° 8 55'00	
max. Earth dist.	-1165 Apr 27 j 23:45	25° Υ 38'27 20.34868 AU				
morning rise	-1165 May 15 j 00:06	26° Υ 37'49	conjunction	-1159 May 25 j 06:32	21° 8 55'04 -0°04'56	
retrograde	-1165 Aug 17 j 03:46	29° Υ 51'20	minimum elong	-1159 May 25 j 06:32	21° 8 55'04 0°04'56	
opposition	-1165 Oct 31 j 15:17	27° Υ 49'50 -0°25'08	behind sun begin	-1159 May 24 j 23:55	21° 8 54'06	
min. Earth dist.	-1165 Oct 31 j 20:58	27° Υ 49'14 18.31279 AU	behind sun end	-1159 May 25 j 13:08	21° 8 56'02	
direct	-1164 Jan 14 j 06:46	25° Υ 49'08	max. Earth dist.	-1159 May 24 j 12:37	21° 8 52'23	19.91813 AU
evening set	-1164 Apr 15 j 06:20	28° Υ 58'49	morning rise	-1159 Jun 11 j 02:00	22° 8 55'10	
			retrograde	-1159 Sep 12 j 11:38	26° 8 12'17	
conjunction	-1164 May 01 j 23:38	29° Υ 57'21 -0°21'13	opposition	-1159 Nov 25 j 21:15	24° 8 09'55 -0°03'29	
minimum elong	-1164 May 01 j 23:38	29° Υ 57'21 0°21'12	min. Earth dist.	-1159 Nov 26 j 12:18	24° 8 08'17	17.88418 AU
max. Earth dist.	-1164 May 01 j 14:23	29° Υ 56'00 20.27696 AU	direct	-1158 Feb 08 j 20:11	22° 8 06'37	
	-1164 May 02 j 17:45	0° 8	evening set	-1158 May 13 j 09:47	25° 8 24'08	
morning rise	-1164 May 18 j 18:30	0° 8 56'08	max. Earth dist.	-1158 May 29 j 09:50	26° 8 21'31	19.85098 AU
retrograde	-1164 Aug 20 j 18:22	4° 8 10'14				
opposition	-1164 Nov 04 j 02:43	2° 8 08'33 -0°21'50	conjunction	-1158 May 30 j 05:37	26° 8 24'30 -0°01'25	
min. Earth dist.	-1164 Nov 04 j 11:06	2° 8 07'39 18.24049 AU	minimum elong	-1158 May 30 j 05:37	26° 8 24'30 0°01'24	
direct	-1163 Jan 17 j 18:30	0° 8 07'23	behind sun begin	-1158 May 29 j 22:49	26° 8 23'30	
evening set	-1163 Apr 20 j 00:35	3° 8 18'18	behind sun end	-1158 May 30 j 12:24	26° 8 25'30	
			morning rise	-1158 Jun 16 j 00:53	27° 8 24'50	
conjunction	-1163 May 06 j 18:40	4° 8 17'10 -0°18'10		-1158 Aug 08 j 00:18	0° II	
minimum elong	-1163 May 06 j 18:40	4° 8 17'10 0°18'09	retrograde	-1158 Sep 17 j 06:16	0° II 42'33	
max. Earth dist.	-1163 May 06 j 08:14	4° 8 15'38 20.20426 AU	asc. node	-1158 Oct 21 j 20:16	0° II 11'27	
morning rise	-1163 May 23 j 13:45	5° 8 16'13		-1158 Oct 28 j 01:15	30° R 8	
retrograde	-1163 Aug 25 j 11:24	8° 8 30'54	opposition	-1158 Nov 30 j 12:58	28° 8 40'09 0°00'25	
opposition	-1163 Nov 08 j 14:29	6° 8 29'03 -0°18'23	min. Earth dist.	-1158 Dec 01 j 06:16	28° 8 38'17	17.81838 AU
min. Earth dist.	-1163 Nov 08 j 23:46	6° 8 28'03 18.16751 AU	direct	-1157 Feb 13 j 12:16	26° 8 36'30	
direct	-1162 Jan 22 j 08:30	4° 8 27'26	evening set	-1157 May 18 j 09:35	29° 8 55'24	
evening set	-1162 Apr 24 j 19:56	7° 8 39'38		-1157 May 19 j 16:47	0° II	
			max. Earth dist.	-1157 Jun 03 j 08:21	0° II 52'50	19.78653 AU
conjunction	-1162 May 11 j 14:26	8° 8 38'47 -0°14'59				
minimum elong	-1162 May 11 j 14:26	8° 8 38'47 0°14'59	conjunction	-1157 Jun 04 j 05:31	0° II 56'01 0°02'13	
behind sun begin	-1162 May 11 j 12:18	8° 8 38'29	minimum elong	-1157 Jun 04 j 05:30	0° II 56'01 0°02'13	
behind sun end	-1162 May 11 j 16:33	8° 8 39'06	behind sun begin	-1157 Jun 03 j 22:43	0° II 55'01	
max. Earth dist.	-1162 May 11 j 01:06	8° 8 36'50 20.13121 AU	behind sun end	-1157 Jun 04 j 12:17	0° II 57'01	
morning rise	-1162 May 28 j 09:49	9° 8 38'07	morning rise	-1157 Jun 21 j 00:35	1° II 56'35	
retrograde	-1162 Aug 30 j 03:06	12° 8 53'24	retrograde	-1157 Sep 22 j 03:55	5° II 14'55	
opposition	-1162 Nov 13 j 03:11	10° 8 51'23 -0°14'48	opposition	-1157 Dec 05 j 05:24	3° II 12'30 0°04'21	
min. Earth dist.	-1162 Nov 13 j 15:03	10° 8 50'07 18.09471 AU	min. Earth dist.	-1157 Dec 05 j 22:59	3° II 10'35	17.75524 AU
direct	-1161 Jan 26 j 21:22	8° 8 49'19	direct	-1156 Feb 18 j 06:52	1° II 08'32	
evening set	-1161 Apr 29 j 15:53	12° 8 02'48	evening set	-1156 May 22 j 10:13	4° II 28'46	
			max. Earth dist.	-1156 Jun 07 j 07:41	5° II 26'16	19.72456 AU
conjunction	-1161 May 16 j 10:56	13° 8 02'17 -0°11'43				
minimum elong	-1161 May 16 j 10:56	13° 8 02'17 0°11'42	conjunction	-1156 Jun 08 j 06:09	5° II 29'40 0°05'46	
behind sun begin	-1161 May 16 j 06:14	13° 8 01'36	minimum elong	-1156 Jun 08 j 06:08	5° II 29'40 0°05'47	
behind sun end	-1161 May 16 j 15:37	13° 8 02'58	behind sun begin	-1156 Jun 07 j 23:39	5° II 28'43	
max. Earth dist.	-1161 May 15 j 20:33	13° 8 00'09 20.05874 AU	behind sun end	-1156 Jun 08 j 12:38	5° II 30'38	
morning rise	-1161 Jun 02 j 06:22	14° 8 01'52	morning rise	-1156 Jun 25 j 00:48	6° II 30'26	
	-1161 Jun 19 j 14:04	15° 8	retrograde	-1156 Sep 25 j 23:53	9° II 49'21	
retrograde	-1161 Sep 03 j 22:04	17° 8 17'46	opposition	-1156 Dec 08 j 22:54	7° II 46'56 0°08'18	
opposition	-1161 Nov 17 j 16:24	15° 8 15'36 -0°11'07	min. Earth dist.	-1156 Dec 09 j 18:44	7° II 44'46	17.69456 AU
min. Earth dist.	-1161 Nov 18 j 04:46	15° 8 14'16 18.02275 AU	direct	-1155 Feb 22 j 01:11	5° II 42'40	
	-1161 Nov 23 j 17:42	15° R 8	evening set	-1155 May 27 j 11:57	9° II 04'15	
direct	-1160 Jan 31 j 13:04	13° 8 13'06	max. Earth dist.	-1155 Jun 12 j 07:22	10° II 01'40	19.66509 AU
	-1160 Apr 06 j 13:45	15° 8				
evening set	-1160 May 03 j 12:57	16° 8 27'54	conjunction	-1155 Jun 13 j 07:42	10° II 05'23 0°09'17	
			minimum elong	-1155 Jun 13 j 07:41	10° II 05'23 0°09'18	
conjunction	-1160 May 20 j 08:16	17° 8 27'41 -0°08'22	behind sun begin	-1155 Jun 13 j 02:02	10° II 04'32	
minimum elong	-1160 May 20 j 08:16	17° 8 27'41 0°08'21	behind sun end	-1155 Jun 13 j 13:21	10° II 06'13	
behind sun begin	-1160 May 20 j 02:19	17° 8 26'49	morning rise	-1155 Jun 30 j 02:00	11° II 06'20	

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Attention, astronomical year style is used: The year -1155 in astronomical counting style is the year 1156 BCE in historical counting style.

retrograde	-1155 Sep 30 j 22:16	14° Π 25'48		min. Earth dist.	-1148 Jan 12 j 00:39	10° \mathfrak{S} 32'21	17.34966 AU
opposition	-1155 Dec 13 j 17:02	12° Π 23'23	0°12'14	direct	-1148 Mar 26 j 21:32	8° \mathfrak{S} 28'45	
min. Earth dist.	-1155 Dec 14 j 13:19	12° Π 21'10	17.63630 AU	evening set	-1148 Jun 30 j 16:25	11° \mathfrak{S} 57'50	
direct	-1154 Feb 26 j 22:14	10° Π 18'48		max. Earth dist.	-1148 Jul 16 j 03:13	12° \mathfrak{S} 55'21	19.33238 AU
evening set	-1154 Jun 01 j 14:28	13° Π 41'41					
max. Earth dist.	-1154 Jun 17 j 08:48	14° Π 39'10	19.60784 AU	conjunction	-1148 Jul 17 j 08:28	12° \mathfrak{S} 59'56	0°31'35
				minimum elong	-1148 Jul 17 j 08:28	12° \mathfrak{S} 59'56	0°31'37
conjunction	-1154 Jun 18 j 10:02	14° Π 43'02	0°12'47	morning rise	-1148 Aug 02 j 20:56	14° \mathfrak{S} 01'33	
minimum elong	-1154 Jun 18 j 10:02	14° Π 43'02	0°12'47	retrograde	-1148 Nov 02 j 15:39	17° \mathfrak{S} 23'39	
behind sun begin	-1154 Jun 18 j 05:56	14° Π 42'25		opposition	-1147 Jan 14 j 22:49	15° \mathfrak{S} 21'01	0°36'38
behind sun end	-1154 Jun 18 j 14:08	14° Π 43'39		min. Earth dist.	-1147 Jan 16 j 00:04	15° \mathfrak{S} 18'15	17.31736 AU
morning rise	-1154 Jul 05 j 03:37	15° Π 44'08		direct	-1147 Mar 31 j 23:41	13° \mathfrak{S} 14'26	
retrograde	-1154 Oct 05 j 19:23	19° Π 04'08		evening set	-1147 Jul 05 j 21:52	16° \mathfrak{S} 44'14	
opposition	-1154 Dec 18 j 12:20	17° Π 01'42	0°16'06	max. Earth dist.	-1147 Jul 21 j 06:44	17° \mathfrak{S} 41'38	19.30301 AU
min. Earth dist.	-1154 Dec 19 j 10:34	16° Π 59'16	17.58033 AU				
direct	-1153 Mar 03 j 19:20	14° Π 56'49		conjunction	-1147 Jul 22 j 12:49	17° \mathfrak{S} 46'21	0°34'07
evening set	-1153 Jun 06 j 17:33	18° Π 20'55		minimum elong	-1147 Jul 22 j 12:49	17° \mathfrak{S} 46'21	0°34'08
max. Earth dist.	-1153 Jun 22 j 09:24	19° Π 18'15	19.55315 AU	morning rise	-1147 Aug 08 j 00:17	18° \mathfrak{S} 47'58	
				retrograde	-1147 Nov 07 j 16:09	22° \mathfrak{S} 10'16	
conjunction	-1153 Jun 23 j 12:38	19° Π 22'26	0°16'13	opposition	-1146 Jan 19 j 22:49	20° \mathfrak{S} 07'38	0°39'21
minimum elong	-1153 Jun 23 j 12:38	19° Π 22'26	0°16'14	min. Earth dist.	-1146 Jan 21 j 00:03	20° \mathfrak{S} 04'52	17.29121 AU
morning rise	-1153 Jul 10 j 05:44	20° Π 23'42		direct	-1146 Apr 06 j 01:59	18° \mathfrak{S} 00'53	
retrograde	-1153 Oct 10 j 18:05	23° Π 44'11		evening set	-1146 Jul 11 j 03:10	21° \mathfrak{S} 31'20	
opposition	-1153 Dec 23 j 08:17	21° Π 41'42	0°19'54				
min. Earth dist.	-1153 Dec 24 j 06:51	21° Π 39'14	17.52704 AU	conjunction	-1146 Jul 27 j 17:15	22° \mathfrak{S} 33'27	0°36'25
direct	-1152 Mar 07 j 18:36	19° Π 36'30		minimum elong	-1146 Jul 27 j 17:15	22° \mathfrak{S} 33'27	0°36'26
evening set	-1152 Jun 10 j 21:17	23° Π 01'45		max. Earth dist.	-1146 Jul 26 j 12:40	22° \mathfrak{S} 28'57	19.28005 AU
				morning rise	-1146 Aug 13 j 03:28	23° \mathfrak{S} 35'02	
conjunction	-1152 Jun 27 j 16:05	24° Π 03'27	0°19'34	retrograde	-1146 Nov 12 j 17:25	26° \mathfrak{S} 57'29	
minimum elong	-1152 Jun 27 j 16:05	24° Π 03'27	0°19'34	opposition	-1145 Jan 24 j 23:27	24° \mathfrak{S} 54'54	0°41'47
max. Earth dist.	-1152 Jun 26 j 12:36	23° Π 59'13	19.50117 AU	min. Earth dist.	-1145 Jan 25 j 23:44	24° \mathfrak{S} 52'15	17.27151 AU
morning rise	-1152 Jul 14 j 08:16	25° Π 04'50		direct	-1145 Apr 11 j 05:07	22° \mathfrak{S} 48'04	
retrograde	-1152 Oct 14 j 16:23	28° Π 25'43		evening set	-1145 Jul 16 j 08:25	26° \mathfrak{S} 19'02	
opposition	-1152 Dec 27 j 04:59	26° Π 23'13	0°23'35				
min. Earth dist.	-1152 Dec 28 j 05:04	26° Π 20'35	17.47667 AU	conjunction	-1145 Aug 01 j 21:21	27° \mathfrak{S} 21'07	0°38'28
direct	-1151 Mar 12 j 17:54	24° Π 17'42		minimum elong	-1145 Aug 01 j 21:21	27° \mathfrak{S} 21'07	0°38'29
evening set	-1151 Jun 16 j 01:43	27° Π 44'03		max. Earth dist.	-1145 Jul 31 j 16:48	27° \mathfrak{S} 16'37	19.26371 AU
				morning rise	-1145 Aug 18 j 06:27	28° \mathfrak{S} 22'39	
conjunction	-1151 Jul 02 j 19:49	28° Π 45'53	0°22'49		-1145 Sep 15 j 16:02	0° Ω	
minimum elong	-1151 Jul 02 j 19:49	28° Π 45'53	0°22'50	retrograde	-1145 Nov 17 j 18:03	1° Ω 45'15	
max. Earth dist.	-1151 Jul 01 j 14:20	28° Π 41'19	19.45254 AU		-1144 Jan 23 j 10:01	30° \mathfrak{R} \mathfrak{S}	
morning rise	-1151 Jul 19 j 11:21	29° Π 47'21		opposition	-1144 Jan 30 j 00:35	29° \mathfrak{S} 42'44	0°43'56
	-1151 Jul 22 j 23:23	0° \mathfrak{S}		min. Earth dist.	-1144 Jan 31 j 00:49	29° \mathfrak{S} 40'05	17.25862 AU
retrograde	-1151 Oct 19 j 15:51	3° \mathfrak{S} 08'37		direct	-1144 Apr 15 j 07:23	27° \mathfrak{S} 35'53	
opposition	-1150 Jan 01 j 02:25	1° \mathfrak{S} 06'04	0°27'08		-1144 Jul 01 j 13:32	0° Ω	
min. Earth dist.	-1150 Jan 02 j 02:48	1° \mathfrak{S} 03'24	17.42994 AU	evening set	-1144 Jul 20 j 13:39	1° Ω 07'16	
	-1150 Jan 27 j 14:08	30° \mathfrak{R} Π		max. Earth dist.	-1144 Aug 04 j 22:25	2° Ω 05'01	19.25417 AU
direct	-1150 Mar 17 j 18:52	29° Π 00'15					
	-1150 May 04 j 22:10	0° \mathfrak{S}		conjunction	-1144 Aug 06 j 01:33	2° Ω 09'18	0°40'16
evening set	-1150 Jun 21 j 06:19	2° \mathfrak{S} 27'36		minimum elong	-1144 Aug 06 j 01:33	2° Ω 09'18	0°40'16
				morning rise	-1144 Aug 22 j 09:26	3° Ω 10'46	
conjunction	-1150 Jul 07 j 23:55	3° \mathfrak{S} 29'33	0°25'55	retrograde	-1144 Nov 21 j 19:49	6° Ω 33'26	
minimum elong	-1150 Jul 07 j 23:55	3° \mathfrak{S} 29'33	0°25'56	opposition	-1143 Feb 03 j 01:58	4° Ω 31'03	0°45'47
max. Earth dist.	-1150 Jul 06 j 18:59	3° \mathfrak{S} 25'03	19.40770 AU	min. Earth dist.	-1143 Feb 04 j 00:50	4° Ω 28'33	17.25221 AU
morning rise	-1150 Jul 24 j 14:21	4° \mathfrak{S} 31'05		direct	-1143 Apr 20 j 11:55	2° Ω 24'15	
retrograde	-1150 Oct 24 j 15:12	7° \mathfrak{S} 52'41		evening set	-1143 Jul 25 j 18:51	5° Ω 55'58	
opposition	-1149 Jan 06 j 00:38	5° \mathfrak{S} 50'06	0°30'31	max. Earth dist.	-1143 Aug 10 j 03:08	6° Ω 53'43	19.25093 AU
min. Earth dist.	-1149 Jan 07 j 01:47	5° \mathfrak{S} 47'21	17.38729 AU				
direct	-1149 Mar 22 j 19:44	3° \mathfrak{S} 44'00		conjunction	-1143 Aug 11 j 05:33	6° Ω 57'54	0°41'47
evening set	-1149 Jun 26 j 11:23	7° \mathfrak{S} 12'15		minimum elong	-1143 Aug 11 j 05:33	6° Ω 57'54	0°41'48
max. Earth dist.	-1149 Jul 11 j 21:40	8° \mathfrak{S} 09'32	19.36744 AU	morning rise	-1143 Aug 27 j 12:10	7° Ω 59'15	
				retrograde	-1143 Nov 26 j 19:59	11° Ω 21'58	
conjunction	-1149 Jul 13 j 04:04	8° \mathfrak{S} 14'17	0°28'51	opposition	-1142 Feb 08 j 04:04	9° Ω 19'44	0°47'19
minimum elong	-1149 Jul 13 j 04:04	8° \mathfrak{S} 14'17	0°28'52	min. Earth dist.	-1142 Feb 09 j 03:03	9° Ω 17'14	17.25210 AU
morning rise	-1149 Jul 29 j 17:41	9° \mathfrak{S} 15'53		direct	-1142 Apr 25 j 15:00	7° Ω 13'01	
retrograde	-1149 Oct 29 j 15:17	12° \mathfrak{S} 37'45		evening set	-1142 Jul 30 j 23:39	10° Ω 44'55	
opposition	-1148 Jan 10 j 23:22	10° \mathfrak{S} 35'07	0°33'41	max. Earth dist.	-1142 Aug 15 j 07:52	11° Ω 42'44	19.25379 AU

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Attention, astronomical year style is used: The year -1142 in astronomical counting style is the year 1143 BCE in historical counting style.

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

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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.

min. Earth dist.	-1129 Apr 12 j 10:13	10° <u>♂</u> 45'28	17.70470 AU	conjunction	-1123 Nov 11 j 13:53	9° <u>♂</u> 47'42	0°14'20
direct	-1129 Jun 28 j 14:51	8° <u>♂</u> 42'00		minimum elong	-1123 Nov 11 j 13:53	9° <u>♂</u> 47'42	0°14'19
evening set	-1129 Oct 01 j 01:52	12° <u>♂</u> 05'01		behind sun begin	-1123 Nov 11 j 10:40	9° <u>♂</u> 47'14	
				behind sun end	-1123 Nov 11 j 17:06	9° <u>♂</u> 48'11	
conjunction	-1129 Oct 16 j 20:50	13° <u>♂</u> 03'33	0°31'56	max. Earth dist.	-1123 Nov 12 j 01:05	9° <u>♂</u> 49'24	20.15290 AU
minimum elong	-1129 Oct 16 j 20:51	13° <u>♂</u> 03'33	0°31'55	morning rise	-1123 Nov 27 j 04:24	10° <u>♂</u> 44'20	
max. Earth dist.	-1129 Oct 16 j 20:56	13° <u>♂</u> 03'34	19.73742 AU	retrograde	-1122 Feb 27 j 06:08	13° <u>♂</u> 58'18	
morning rise	-1129 Nov 01 j 13:24	14° <u>♂</u> 01'45		opposition	-1122 May 14 j 18:29	11° <u>♂</u> 58'24	0°14'04
retrograde	-1128 Feb 01 j 00:13	17° <u>♂</u> 19'24		min. Earth dist.	-1122 May 14 j 05:47	11° <u>♂</u> 59'42	18.18719 AU
opposition	-1128 Apr 16 j 08:47	15° <u>♂</u> 18'42	0°34'06	direct	-1122 Jul 30 j 20:38	9° <u>♂</u> 57'45	
min. Earth dist.	-1128 Apr 16 j 07:26	15° <u>♂</u> 18'51	17.77048 AU	evening set	-1122 Oct 31 j 10:51	13° <u>♂</u> 11'36	
direct	-1128 Jul 02 j 16:03	13° <u>♂</u> 15'35					
evening set	-1128 Oct 04 j 19:44	16° <u>♂</u> 37'22		conjunction	-1122 Nov 16 j 01:41	14° <u>♂</u> 08'02	0°11'04
				minimum elong	-1122 Nov 16 j 01:41	14° <u>♂</u> 08'02	0°11'04
conjunction	-1128 Oct 20 j 13:47	17° <u>♂</u> 35'35	0°29'20	behind sun begin	-1122 Nov 15 j 20:43	14° <u>♂</u> 07'18	
minimum elong	-1128 Oct 20 j 13:47	17° <u>♂</u> 35'35	0°29'20	behind sun end	-1122 Nov 16 j 06:39	14° <u>♂</u> 08'46	
max. Earth dist.	-1128 Oct 20 j 15:34	17° <u>♂</u> 35'52	19.80441 AU	max. Earth dist.	-1122 Nov 16 j 14:56	14° <u>♂</u> 10'02	20.22167 AU
morning rise	-1128 Nov 05 j 05:50	18° <u>♂</u> 33'31			-1122 Nov 30 j 10:19	15° <u>♂</u>	
retrograde	-1127 Feb 04 j 17:58	21° <u>♂</u> 50'36		morning rise	-1122 Dec 01 j 16:07	15° <u>♂</u> 04'25	
opposition	-1127 Apr 21 j 08:09	19° <u>♂</u> 50'05	0°31'07	retrograde	-1121 Mar 03 j 19:11	18° <u>♂</u> 17'44	
min. Earth dist.	-1127 Apr 21 j 05:23	19° <u>♂</u> 50'22	17.83854 AU	opposition	-1121 May 19 j 13:18	16° <u>♂</u> 17'53	0°10'25
direct	-1127 Jul 07 j 13:55	17° <u>♂</u> 47'24		min. Earth dist.	-1121 May 19 j 00:01	16° <u>♂</u> 19'14	18.25576 AU
evening set	-1127 Oct 09 j 12:36	21° <u>♂</u> 07'56			-1121 Jun 23 j 04:38	15° <u>♂</u>	
				direct	-1121 Aug 04 j 12:55	14° <u>♂</u> 17'35	
conjunction	-1127 Oct 25 j 05:59	22° <u>♂</u> 05'51	0°26'35		-1121 Sep 14 j 12:06	15° <u>♂</u>	
minimum elong	-1127 Oct 25 j 05:59	22° <u>♂</u> 05'51	0°26'34	evening set	-1121 Nov 04 j 22:01	17° <u>♂</u> 30'04	
max. Earth dist.	-1127 Oct 25 j 10:11	22° <u>♂</u> 06'29	19.87332 AU				
morning rise	-1127 Nov 09 j 21:31	23° <u>♂</u> 03'30		conjunction	-1121 Nov 20 j 12:34	18° <u>♂</u> 26'14	0°07'47
retrograde	-1126 Feb 09 j 12:40	26° <u>♂</u> 19'59		minimum elong	-1121 Nov 20 j 12:34	18° <u>♂</u> 26'14	0°07'47
opposition	-1126 Apr 26 j 06:51	24° <u>♂</u> 19'39	0°27'57	behind sun begin	-1121 Nov 20 j 06:39	18° <u>♂</u> 25'21	
min. Earth dist.	-1126 Apr 26 j 01:20	24° <u>♂</u> 20'13	17.90798 AU	behind sun end	-1121 Nov 20 j 18:28	18° <u>♂</u> 27'06	
direct	-1126 Jul 12 j 13:15	22° <u>♂</u> 17'25		max. Earth dist.	-1121 Nov 21 j 03:14	18° <u>♂</u> 28'26	20.29001 AU
evening set	-1126 Oct 14 j 04:30	25° <u>♂</u> 36'39		morning rise	-1121 Dec 06 j 03:03	19° <u>♂</u> 22'23	
				retrograde	-1120 Mar 07 j 10:45	22° <u>♂</u> 35'02	
conjunction	-1126 Oct 29 j 21:11	26° <u>♂</u> 34'15	0°23'41	opposition	-1120 May 23 j 07:14	20° <u>♂</u> 35'14	0°06'44
minimum elong	-1126 Oct 29 j 21:11	26° <u>♂</u> 34'15	0°23'41	min. Earth dist.	-1120 May 22 j 15:08	20° <u>♂</u> 36'52	18.32385 AU
max. Earth dist.	-1126 Oct 30 j 03:09	26° <u>♂</u> 35'10	19.94317 AU	direct	-1120 Aug 08 j 06:55	18° <u>♂</u> 35'15	
morning rise	-1126 Nov 14 j 12:23	27° <u>♂</u> 31'39		evening set	-1120 Nov 08 j 08:14	21° <u>♂</u> 46'26	
	-1125 Jan 02 j 14:41	0° <u>♂</u>					
retrograde	-1125 Feb 14 j 05:03	0° <u>♂</u> 47'32		conjunction	-1120 Nov 23 j 22:33	22° <u>♂</u> 42'20	0°04'30
	-1125 Mar 30 j 16:11	30° <u>♂</u> 4		minimum elong	-1120 Nov 23 j 22:34	22° <u>♂</u> 42'20	0°04'28
opposition	-1125 May 01 j 04:59	28° <u>♂</u> 47'20	0°24'38	behind sun begin	-1120 Nov 23 j 16:09	22° <u>♂</u> 41'23	
min. Earth dist.	-1125 Apr 30 j 22:28	28° <u>♂</u> 48'00	17.97817 AU	behind sun end	-1120 Nov 24 j 04:59	22° <u>♂</u> 43'16	
direct	-1125 Jul 17 j 09:22	26° <u>♂</u> 45'33		max. Earth dist.	-1120 Nov 24 j 15:33	22° <u>♂</u> 44'53	20.35782 AU
	-1125 Oct 17 j 20:26	0° <u>♂</u>		morning rise	-1120 Dec 09 j 13:03	23° <u>♂</u> 38'16	
evening set	-1125 Oct 18 j 19:33	0° <u>♂</u> 03'27		retrograde	-1119 Mar 11 j 22:28	26° <u>♂</u> 50'18	
				min. Earth dist.	-1119 May 27 j 07:40	24° <u>♂</u> 52'16	18.39161 AU
conjunction	-1125 Nov 03 j 11:41	1° <u>♂</u> 00'45	0°20'39	opposition	-1119 May 28 j 00:32	24° <u>♂</u> 50'33	0°03'04
minimum elong	-1125 Nov 03 j 11:41	1° <u>♂</u> 00'45	0°20'38	direct	-1119 Aug 12 j 21:25	22° <u>♂</u> 50'56	
max. Earth dist.	-1125 Nov 03 j 19:29	1° <u>♂</u> 01'56	20.01344 AU	evening set	-1119 Nov 12 j 17:44	26° <u>♂</u> 00'49	
morning rise	-1125 Nov 19 j 02:33	1° <u>♂</u> 57'52					
retrograde	-1124 Feb 18 j 22:31	5° <u>♂</u> 13'08		conjunction	-1119 Nov 28 j 07:53	26° <u>♂</u> 56'28	0°01'09
opposition	-1124 May 05 j 02:04	3° <u>♂</u> 13'04	0°21'12	minimum elong	-1119 Nov 28 j 07:52	26° <u>♂</u> 56'28	0°01'09
min. Earth dist.	-1124 May 04 j 16:53	3° <u>♂</u> 14'01	18.04829 AU	behind sun begin	-1119 Nov 28 j 01:21	26° <u>♂</u> 55'31	
direct	-1124 Jul 21 j 06:45	1° <u>♂</u> 11'41		behind sun end	-1119 Nov 28 j 14:24	26° <u>♂</u> 57'25	
evening set	-1124 Oct 22 j 09:42	4° <u>♂</u> 28'16		max. Earth dist.	-1119 Nov 29 j 02:09	26° <u>♂</u> 59'12	20.42546 AU
				morning rise	-1119 Dec 13 j 22:33	27° <u>♂</u> 52'11	
conjunction	-1124 Nov 07 j 01:17	5° <u>♂</u> 25'15	0°17'32		-1118 Jan 24 j 18:42	0° <u>♂</u>	
minimum elong	-1124 Nov 07 j 01:17	5° <u>♂</u> 25'15	0°17'31	retrograde	-1118 Mar 16 j 12:29	1° <u>♂</u> 03'38	
max. Earth dist.	-1124 Nov 07 j 10:53	5° <u>♂</u> 26'43	20.08338 AU	desc. node	-1118 Apr 01 j 23:14	0° <u>♂</u> 56'53	
morning rise	-1124 Nov 22 j 15:55	6° <u>♂</u> 22'08			-1118 May 08 j 16:01	30° <u>♂</u>	
retrograde	-1123 Feb 22 j 13:27	9° <u>♂</u> 36'45		opposition	-1118 Jun 01 j 16:49	29° <u>♂</u> 03'58	-0°00'36
opposition	-1123 May 09 j 22:46	7° <u>♂</u> 36'47	0°17'40	min. Earth dist.	-1118 May 31 j 21:13	29° <u>♂</u> 05'57	18.45907 AU
min. Earth dist.	-1123 May 09 j 12:51	7° <u>♂</u> 37'48	18.11806 AU	direct	-1118 Aug 17 j 13:45	27° <u>♂</u> 04'41	
direct	-1123 Jul 26 j 00:54	5° <u>♂</u> 35'47			-1118 Nov 13 j 05:58	0° <u>♂</u>	
evening set	-1123 Oct 26 j 22:43	8° <u>♂</u> 51'00		evening set	-1118 Nov 17 j 02:23	0° <u>♂</u> 13'21	

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Attention, astronomical year style is used: The year -1118 in astronomical counting style is the year 1119 BCE in historical counting style.

conjunction	-1118 Dec 02 j 16:32	1°♏08'46	-0°02'14	direct	-1112 Sep 11 j 12:31	21°♏54'44	
minimum elong	-1118 Dec 02 j 16:32	1°♏08'46	0°02'16	evening set	-1112 Dec 10 j 18:49	24°♏57'12	
behind sun begin	-1118 Dec 02 j 10:00	1°♏07'49					
behind sun end	-1118 Dec 02 j 23:04	1°♏09'43		conjunction	-1112 Dec 26 j 09:56	25°♏51'32	-0°20'46
max. Earth dist.	-1118 Dec 03 j 13:05	1°♏11'50	20.49251 AU	minimum elong	-1112 Dec 26 j 09:55	25°♏51'32	0°20'47
morning rise	-1118 Dec 18 j 07:22	2°♏04'18		max. Earth dist.	-1112 Dec 27 j 12:53	25°♏55'28	20.85359 AU
retrograde	-1117 Mar 20 j 23:35	5°♏15'11		morning rise	-1111 Jan 11 j 03:14	26°♏46'11	
opposition	-1117 Jun 06 j 08:27	3°♏15'36	-0°04'14	retrograde	-1111 Apr 14 j 15:11	29°♏54'24	
min. Earth dist.	-1117 Jun 05 j 12:18	3°♏17'38	18.52575 AU	opposition	-1111 Jul 01 j 15:22	27°♏55'27	-0°24'31
direct	-1117 Aug 22 j 02:28	1°♏16'42		min. Earth dist.	-1111 Jun 30 j 13:48	27°♏58'00	18.87816 AU
evening set	-1117 Nov 21 j 10:27	4°♏24'12		direct	-1111 Sep 15 j 21:51	25°♏58'32	
				evening set	-1111 Dec 15 j 00:12	29°♏00'10	
conjunction	-1117 Dec 07 j 00:32	5°♏19'23	-0°05'30				
minimum elong	-1117 Dec 07 j 00:32	5°♏19'23	0°05'31	conjunction	-1111 Dec 30 j 15:38	29°♏54'22	-0°23'33
behind sun begin	-1117 Dec 06 j 18:14	5°♏18'28		minimum elong	-1111 Dec 30 j 15:37	29°♏54'22	0°23'33
behind sun end	-1117 Dec 07 j 06:49	5°♏20'18		max. Earth dist.	-1111 Dec 31 j 18:03	29°♏58'13	20.90097 AU
max. Earth dist.	-1117 Dec 07 j 21:58	5°♏22'34	20.55867 AU		-1110 Jan 01 j 06:21	0°♏	
morning rise	-1117 Dec 22 j 15:42	6°♏14'44		morning rise	-1110 Jan 15 j 09:39	0°♏48'55	
retrograde	-1116 Mar 24 j 12:08	9°♏25'06		retrograde	-1110 Apr 19 j 01:20	3°♏56'47	
opposition	-1116 Jun 09 j 23:09	7°♏25'38	-0°07'49	min. Earth dist.	-1110 Jul 04 j 23:48	2°♏00'30	18.92314 AU
min. Earth dist.	-1116 Jun 09 j 00:39	7°♏27'54	18.59124 AU	opposition	-1110 Jul 06 j 02:12	1°♏57'52	-0°27'31
direct	-1116 Aug 25 j 16:41	5°♏27'06		direct	-1110 Sep 20 j 06:39	0°♏01'08	
evening set	-1116 Nov 24 j 17:52	8°♏33'29		evening set	-1110 Dec 19 j 05:06	3°♏01'59	
conjunction	-1116 Dec 10 j 08:05	9°♏28'28	-0°08'42	conjunction	-1109 Jan 03 j 21:06	3°♏56'06	-0°26'11
minimum elong	-1116 Dec 10 j 08:04	9°♏28'28	0°08'42	minimum elong	-1109 Jan 03 j 21:06	3°♏56'06	0°26'12
behind sun begin	-1116 Dec 10 j 02:23	9°♏27'39		max. Earth dist.	-1109 Jan 05 j 00:33	4°♏00'04	20.94333 AU
behind sun end	-1116 Dec 10 j 13:46	9°♏29'18		morning rise	-1109 Jan 19 j 15:42	4°♏50'35	
max. Earth dist.	-1116 Dec 11 j 07:37	9°♏31'57	20.62325 AU	retrograde	-1109 Apr 23 j 08:55	7°♏58'05	
morning rise	-1116 Dec 25 j 23:30	10°♏23'39		min. Earth dist.	-1109 Jul 09 j 10:35	6°♏01'46	18.96300 AU
retrograde	-1115 Mar 28 j 22:31	13°♏33'31		opposition	-1109 Jul 10 j 12:30	5°♏59'11	-0°30'21
opposition	-1115 Jun 14 j 13:25	11°♏34'10	-0°11'20	direct	-1109 Sep 24 j 14:53	4°♏02'37	
min. Earth dist.	-1115 Jun 13 j 14:36	11°♏36'28	18.65489 AU	evening set	-1109 Dec 23 j 09:41	7°♏02'44	
direct	-1115 Aug 30 j 04:10	9°♏36'01		conjunction	-1108 Jan 08 j 02:05	7°♏56'44	-0°28'41
evening set	-1115 Nov 29 j 00:42	12°♏41'20		minimum elong	-1108 Jan 08 j 02:05	7°♏56'44	0°28'42
conjunction	-1115 Dec 14 j 14:59	13°♏36'07	-0°11'50	max. Earth dist.	-1108 Jan 09 j 04:54	8°♏00'37	20.98082 AU
minimum elong	-1115 Dec 14 j 14:59	13°♏36'07	0°11'51	morning rise	-1108 Jan 23 j 21:29	8°♏51'10	
behind sun begin	-1115 Dec 14 j 10:22	13°♏35'28		retrograde	-1108 Apr 26 j 18:26	11°♏58'22	
behind sun end	-1115 Dec 14 j 19:37	13°♏36'47		opposition	-1108 Jul 13 j 22:08	9°♏59'25	-0°33'02
max. Earth dist.	-1115 Dec 15 j 15:02	13°♏39'40	20.68580 AU	min. Earth dist.	-1108 Jul 12 j 19:37	10°♏02'04	18.99820 AU
morning rise	-1115 Dec 30 j 06:55	14°♏31'09		direct	-1108 Sep 27 j 22:30	8°♏02'58	
retrograde	-1114 Apr 02 j 10:08	17°♏40'34		evening set	-1108 Dec 26 j 13:57	11°♏02'25	
min. Earth dist.	-1114 Jun 18 j 02:12	15°♏43'49	18.71616 AU	conjunction	-1107 Jan 11 j 06:59	11°♏56'22	-0°31'02
opposition	-1114 Jun 19 j 02:52	15°♏41'21	-0°14'47	minimum elong	-1107 Jan 11 j 06:59	11°♏56'22	0°31'03
direct	-1114 Sep 03 j 16:07	13°♏43'32		max. Earth dist.	-1107 Jan 12 j 10:57	12°♏00'24	21.01371 AU
evening set	-1114 Dec 03 j 07:10	16°♏47'51		morning rise	-1107 Jan 27 j 03:01	12°♏50'45	
conjunction	-1114 Dec 18 j 21:43	17°♏42'28	-0°14'54	retrograde	-1107 May 01 j 00:51	15°♏57'41	
minimum elong	-1114 Dec 18 j 21:43	17°♏42'28	0°14'55	min. Earth dist.	-1107 Jul 17 j 05:05	14°♏01'18	19.02902 AU
behind sun begin	-1114 Dec 18 j 19:01	17°♏42'05		opposition	-1107 Jul 18 j 07:13	13°♏58'42	-0°35'32
behind sun end	-1114 Dec 19 j 00:25	17°♏42'51		direct	-1107 Oct 02 j 05:28	12°♏02'21	
max. Earth dist.	-1114 Dec 19 j 23:27	17°♏46'15	20.74543 AU	evening set	-1107 Dec 30 j 17:58	15°♏01'12	
morning rise	-1113 Jan 03 j 14:00	18°♏37'21		conjunction	-1106 Jan 15 j 11:33	15°♏55'05	-0°33'13
retrograde	-1113 Apr 06 j 19:40	21°♏46'20		minimum elong	-1106 Jan 15 j 11:33	15°♏55'05	0°33'14
opposition	-1113 Jun 23 j 15:33	19°♏47'14	-0°18'09	max. Earth dist.	-1106 Jan 16 j 14:52	15°♏59'01	21.04256 AU
min. Earth dist.	-1113 Jun 22 j 15:01	19°♏49'41	18.77418 AU	morning rise	-1106 Jan 31 j 08:30	16°♏49'26	
direct	-1113 Sep 08 j 02:21	17°♏49'45		retrograde	-1106 May 05 j 09:50	19°♏56'09	
evening set	-1113 Dec 07 j 13:16	20°♏53'07		opposition	-1106 Jul 22 j 15:42	17°♏57'07	-0°37'51
conjunction	-1113 Dec 23 j 04:00	21°♏47'35	-0°17'53	min. Earth dist.	-1106 Jul 21 j 13:07	17°♏59'46	19.05597 AU
minimum elong	-1113 Dec 23 j 04:00	21°♏47'35	0°17'55	direct	-1106 Oct 06 j 11:35	16°♏00'51	
max. Earth dist.	-1113 Dec 24 j 05:37	21°♏51'20	20.80163 AU	evening set	-1105 Jan 03 j 21:53	18°♏59'12	
morning rise	-1112 Jan 07 j 20:52	22°♏42'21		conjunction	-1105 Jan 19 j 16:13	19°♏53'04	-0°35'14
retrograde	-1112 Apr 10 j 06:23	25°♏50'56		minimum elong	-1105 Jan 19 j 16:13	19°♏53'04	0°35'15
min. Earth dist.	-1112 Jun 26 j 01:51	23°♏54'30	18.82843 AU	max. Earth dist.	-1105 Jan 20 j 20:32	19°♏57'08	21.06747 AU
opposition	-1112 Jun 27 j 03:42	23°♏51'55	-0°21'24				

Planetary Phenomena of Uranus from -1400 through -898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 25

Attention, astronomical year style is used: The year -1105 in astronomical counting style is the year 1106 BCE in historical counting style.

morning rise	-1105 Feb 04 j 13:50	20° Z 47'24	min. Earth dist.	-1099 Aug 18 j 17:59	15° \approx 39'04	19.13207 AU
retrograde	-1105 May 09 j 15:58	23° Z 53'55		-1099 Sep 04 j 05:09	15° R \approx	
opposition	-1105 Jul 26 j 23:35	21° Z 54'52 -0°39'59	direct	-1099 Nov 02 j 19:46	13° \approx 40'53	
min. Earth dist.	-1105 Jul 25 j 21:26	21° Z 57'28 19.07902 AU		-1099 Dec 29 j 17:11	15° \approx	
direct	-1105 Oct 10 j 17:27	19° Z 58'41	evening set	-1098 Jan 31 j 02:55	16° \approx 37'56	
evening set	-1104 Jan 08 j 01:43	22° Z 56'37				
			conjunction	-1098 Feb 16 j 02:58	17° \approx 32'06 -0°44'14	
conjunction	-1104 Jan 23 j 20:39	23° Z 50'28 -0°37'05	minimum elong	-1098 Feb 16 j 02:58	17° \approx 32'06 0°44'15	
minimum elong	-1104 Jan 23 j 20:39	23° Z 50'28 0°37'05	max. Earth dist.	-1098 Feb 17 j 02:50	17° \approx 35'29	21.12801 AU
max. Earth dist.	-1104 Jan 25 j 00:06	23° Z 54'23 21.08875 AU	morning rise	-1098 Mar 04 j 07:11	18° \approx 26'50	
morning rise	-1104 Feb 08 j 19:14	24° Z 44'48	retrograde	-1098 Jun 07 j 00:03	21° \approx 33'23	
retrograde	-1104 May 13 j 00:24	27° Z 51'12	opposition	-1098 Aug 23 j 23:15	19° \approx 34'14 -0°49'09	
min. Earth dist.	-1104 Jul 29 j 04:47	25° Z 54'46 19.09850 AU	min. Earth dist.	-1098 Aug 23 j 01:30	19° \approx 36'25 19.12335 AU	
opposition	-1104 Jul 30 j 07:11	25° Z 52'07 -0°41'55	direct	-1098 Nov 07 j 00:30	17° \approx 38'17	
direct	-1104 Oct 13 j 22:05	23° Z 56'01	evening set	-1097 Feb 04 j 08:11	20° \approx 35'26	
evening set	-1103 Jan 11 j 05:20	26° Z 53'36				
			conjunction	-1097 Feb 20 j 09:17	21° \approx 29'43 -0°44'43	
conjunction	-1103 Jan 27 j 01:08	27° Z 47'28 -0°38'45	minimum elong	-1097 Feb 20 j 09:17	21° \approx 29'43 0°44'43	
minimum elong	-1103 Jan 27 j 01:08	27° Z 47'28 0°38'46	max. Earth dist.	-1097 Feb 21 j 08:43	21° \approx 33'03 21.11616 AU	
max. Earth dist.	-1103 Jan 28 j 05:27	27° Z 51'30 21.10624 AU	morning rise	-1097 Mar 08 j 14:18	22° \approx 24'34	
morning rise	-1103 Feb 12 j 00:29	28° Z 41'50	retrograde	-1097 Jun 11 j 07:54	25° \approx 31'16	
	-1103 Mar 08 j 22:48	0° \approx	min. Earth dist.	-1097 Aug 27 j 09:02	23° \approx 34'04 19.10840 AU	
retrograde	-1103 May 17 j 07:09	1° \approx 48'09	opposition	-1097 Aug 28 j 05:22	23° \approx 32'01 -0°49'35	
	-1103 Jul 30 j 00:58	30° R Z	direct	-1097 Nov 11 j 04:42	21° \approx 35'58	
opposition	-1103 Aug 03 j 14:29	29° Z 49'04 -0°43'39	evening set	-1096 Feb 08 j 13:50	24° \approx 33'16	
min. Earth dist.	-1103 Aug 02 j 12:36	29° Z 51'39 19.11405 AU				
direct	-1103 Oct 18 j 03:21	27° Z 53'03	conjunction	-1096 Feb 24 j 15:49	25° \approx 27'41 -0°45'00	
	-1103 Dec 30 j 17:57	0° \approx	minimum elong	-1096 Feb 24 j 15:49	25° \approx 27'41 0°45'00	
evening set	-1102 Jan 15 j 09:16	0° \approx 50'22	max. Earth dist.	-1096 Feb 25 j 12:50	25° \approx 30'40 21.09837 AU	
			morning rise	-1096 Mar 11 j 21:59	26° \approx 22'40	
conjunction	-1102 Jan 31 j 05:46	1° \approx 44'15 -0°40'14	retrograde	-1096 Jun 14 j 16:42	29° \approx 29'32	
minimum elong	-1102 Jan 31 j 05:46	1° \approx 44'15 0°40'14	opposition	-1096 Aug 31 j 11:33	27° \approx 30'09 -0°49'45	
max. Earth dist.	-1102 Feb 01 j 08:52	1° \approx 48'07 21.11989 AU	min. Earth dist.	-1096 Aug 30 j 16:37	27° \approx 32'04 19.08765 AU	
morning rise	-1102 Feb 16 j 06:10	2° \approx 38'39	direct	-1096 Nov 14 j 09:16	25° \approx 33'55	
retrograde	-1102 May 21 j 15:34	5° \approx 44'56	evening set	-1095 Feb 11 j 19:38	28° \approx 31'26	
opposition	-1102 Aug 07 j 21:19	3° \approx 45'52 -0°45'11				
min. Earth dist.	-1102 Aug 06 j 19:40	3° \approx 48'25 19.12566 AU	conjunction	-1095 Feb 27 j 22:47	29° \approx 26'00 -0°45'03	
direct	-1102 Oct 22 j 07:21	1° \approx 49'54	minimum elong	-1095 Feb 27 j 22:47	29° \approx 26'00 0°45'03	
evening set	-1101 Jan 19 j 13:15	4° \approx 47'03	max. Earth dist.	-1095 Feb 28 j 19:21	29° \approx 28'55 21.07479 AU	
				-1095 Mar 09 j 22:32	0° H	
conjunction	-1101 Feb 04 j 10:42	5° \approx 40'59 -0°41'32	morning rise	-1095 Mar 16 j 05:49	0° H 21'08	
minimum elong	-1101 Feb 04 j 10:42	5° \approx 40'59 0°41'33	retrograde	-1095 Jun 19 j 01:01	3° H 28'11	
max. Earth dist.	-1101 Feb 05 j 14:14	5° \approx 44'54 21.12926 AU	opposition	-1095 Sep 04 j 17:36	1° H 28'39 -0°49'42	
morning rise	-1101 Feb 20 j 11:54	6° \approx 35'26	min. Earth dist.	-1095 Sep 04 j 00:04	1° H 30'26 19.06129 AU	
retrograde	-1101 May 25 j 22:38	9° \approx 41'43		-1095 Oct 16 j 01:47	30° R \approx	
min. Earth dist.	-1101 Aug 11 j 03:13	7° \approx 45'08 19.13273 AU	direct	-1095 Nov 18 j 14:22	29° \approx 32'13	
opposition	-1101 Aug 12 j 04:01	7° \approx 42'39 -0°46'31		-1095 Dec 21 j 13:00	0° H	
direct	-1101 Oct 26 j 11:43	5° \approx 46'46	evening set	-1094 Feb 16 j 02:04	2° H 30'01	
evening set	-1100 Jan 23 j 17:26	8° \approx 43'48				
			conjunction	-1094 Mar 04 j 06:09	3° H 24'45 -0°44'53	
conjunction	-1100 Feb 08 j 15:38	9° \approx 37'47 -0°42'38	minimum elong	-1094 Mar 04 j 06:09	3° H 24'45 0°44'53	
minimum elong	-1100 Feb 08 j 15:38	9° \approx 37'47 0°42'39	max. Earth dist.	-1094 Mar 05 j 00:13	3° H 27'19 21.04603 AU	
max. Earth dist.	-1100 Feb 09 j 17:35	9° \approx 41'28 21.13407 AU	morning rise	-1094 Mar 20 j 14:20	4° H 20'03	
morning rise	-1100 Feb 24 j 17:53	10° \approx 32'19	retrograde	-1094 Jun 23 j 09:40	7° H 27'19	
retrograde	-1100 May 29 j 07:29	13° \approx 38'40	opposition	-1094 Sep 08 j 23:30	5° H 27'36 -0°49'23	
min. Earth dist.	-1100 Aug 14 j 10:25	11° \approx 42'01 19.13509 AU	min. Earth dist.	-1094 Sep 08 j 07:31	5° H 29'14 19.03016 AU	
opposition	-1100 Aug 15 j 10:35	11° \approx 39'36 -0°47'37	direct	-1094 Nov 22 j 18:29	3° H 30'56	
direct	-1100 Oct 29 j 16:02	9° \approx 43'43	evening set	-1093 Feb 20 j 08:51	6° H 29'06	
evening set	-1099 Jan 26 j 21:58	12° \approx 40'44				
			conjunction	-1093 Mar 08 j 14:04	7° H 24'02 -0°44'29	
conjunction	-1099 Feb 11 j 21:09	13° \approx 34'48 -0°43'32	minimum elong	-1093 Mar 08 j 14:04	7° H 24'02 0°44'30	
minimum elong	-1099 Feb 11 j 21:09	13° \approx 34'48 0°43'33	max. Earth dist.	-1093 Mar 09 j 07:42	7° H 26'32 21.01264 AU	
max. Earth dist.	-1099 Feb 12 j 23:10	13° \approx 38'30 21.13378 AU	morning rise	-1093 Mar 24 j 23:05	8° H 19'30	
morning rise	-1099 Feb 28 j 00:14	14° \approx 29'25	retrograde	-1093 Jun 27 j 18:23	11° H 27'01	
	-1099 Mar 09 j 09:00	15° \approx	opposition	-1093 Sep 13 j 05:31	9° H 27'09 -0°48'51	
retrograde	-1099 Jun 02 j 14:57	17° \approx 35'52	min. Earth dist.	-1093 Sep 12 j 14:46	9° H 28'39 18.99465 AU	
opposition	-1099 Aug 19 j 16:56	15° \approx 36'46 -0°48'30	direct	-1093 Nov 27 j 00:04	7° H 30'15	

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Attention, astronomical year style is used: The year -1092 in astronomical counting style is the year 1093 BCE in historical counting style.

evening set	-1092 Feb 24 j 16:03	10° H 28'51		max. Earth dist.	-1086 Apr 06 j 19:10	5° Y 47'57	20.68626 AU
				morning rise	-1086 Apr 23 j 05:51	6° Y 44'23	
conjunction	-1092 Mar 11 j 22:10	11° H 23'58	-0°43'53	retrograde	-1086 Jul 26 j 21:25	9° Y 54'57	
minimum elong	-1092 Mar 11 j 22:10	11° H 23'58	0°43'53	opposition	-1086 Oct 11 j 05:34	7° Y 54'15	-0°38'30
max. Earth dist.	-1092 Mar 12 j 13:22	11° H 26'08	20.97533 AU	min. Earth dist.	-1086 Oct 11 j 02:01	7° Y 54'37	18.65727 AU
morning rise	-1092 Mar 28 j 08:18	12° H 19'39		direct	-1086 Dec 24 j 17:57	5° Y 55'34	
retrograde	-1092 Jul 01 j 03:39	15° H 27'29		evening set	-1085 Mar 25 j 14:53	8° Y 59'34	
opposition	-1092 Sep 16 j 11:41	13° H 27'26	-0°48'04				
min. Earth dist.	-1092 Sep 15 j 22:25	13° H 28'47	18.95555 AU	conjunction	-1085 Apr 11 j 04:13	9° Y 56'31	-0°33'45
direct	-1092 Nov 30 j 04:25	11° H 30'16		minimum elong	-1085 Apr 11 j 04:13	9° Y 56'31	0°33'44
evening set	-1091 Feb 27 j 23:52	14° H 29'25		max. Earth dist.	-1085 Apr 11 j 07:48	9° Y 57'02	20.62749 AU
				morning rise	-1085 Apr 27 j 20:08	10° Y 53'52	
conjunction	-1091 Mar 16 j 07:11	15° H 24'45	-0°43'04	retrograde	-1085 Jul 31 j 09:53	14° Y 05'00	
minimum elong	-1091 Mar 16 j 07:11	15° H 24'45	0°43'05	opposition	-1085 Oct 15 j 14:02	12° Y 04'12	-0°36'07
max. Earth dist.	-1091 Mar 16 j 21:55	15° H 26'51	20.93449 AU	min. Earth dist.	-1085 Oct 15 j 11:58	12° Y 04'25	18.59673 AU
morning rise	-1091 Apr 01 j 18:06	16° H 20'38		direct	-1085 Dec 29 j 02:35	10° Y 05'12	
retrograde	-1091 Jul 05 j 13:03	19° H 28'49		evening set	-1084 Mar 29 j 04:27	13° Y 10'13	
opposition	-1091 Sep 20 j 17:50	17° H 28'37	-0°47'03				
min. Earth dist.	-1091 Sep 20 j 05:46	17° H 29'52	18.91305 AU	conjunction	-1084 Apr 14 j 18:31	14° Y 07'28	-0°31'29
direct	-1091 Dec 04 j 10:05	15° H 31'13		minimum elong	-1084 Apr 14 j 18:32	14° Y 07'28	0°31'29
evening set	-1090 Mar 04 j 08:29	18° H 30'59		max. Earth dist.	-1084 Apr 14 j 18:35	14° Y 07'28	20.56531 AU
				morning rise	-1084 May 01 j 11:18	15° Y 05'06	
conjunction	-1090 Mar 20 j 16:43	19° H 26'33	-0°42'02	retrograde	-1084 Aug 03 j 22:44	18° Y 16'48	
minimum elong	-1090 Mar 20 j 16:43	19° H 26'33	0°42'02	opposition	-1084 Oct 18 j 23:08	16° Y 15'51	-0°33'31
max. Earth dist.	-1090 Mar 21 j 04:45	19° H 28'16	20.89057 AU	min. Earth dist.	-1084 Oct 18 j 23:40	16° Y 15'48	18.53285 AU
morning rise	-1090 Apr 06 j 04:44	20° H 22'39		direct	-1083 Jan 01 j 11:40	14° Y 16'29	
retrograde	-1090 Jul 09 j 23:36	23° H 31'14		evening set	-1083 Apr 02 j 18:56	17° Y 22'33	
opposition	-1090 Sep 25 j 00:21	21° H 30'54	-0°45'48				
min. Earth dist.	-1090 Sep 24 j 13:57	21° H 31'59	18.86764 AU	conjunction	-1083 Apr 19 j 10:05	18° Y 20'07	-0°29'02
direct	-1090 Dec 08 j 15:18	19° H 33'15		minimum elong	-1083 Apr 19 j 10:05	18° Y 20'07	0°29'01
evening set	-1089 Mar 08 j 17:35	22° H 33'42		max. Earth dist.	-1083 Apr 19 j 08:51	18° Y 19'56	20.49979 AU
				morning rise	-1083 May 06 j 03:19	19° Y 18'01	
conjunction	-1089 Mar 25 j 02:58	23° H 29'32	-0°40'47	retrograde	-1083 Aug 08 j 12:35	22° Y 30'16	
minimum elong	-1089 Mar 25 j 02:58	23° H 29'32	0°40'48	opposition	-1083 Oct 23 j 08:31	20° Y 29'09	-0°30'43
max. Earth dist.	-1089 Mar 25 j 14:28	23° H 31'10	20.84368 AU	min. Earth dist.	-1083 Oct 23 j 10:32	20° Y 28'56	18.46571 AU
morning rise	-1089 Apr 10 j 15:41	24° H 25'52		direct	-1082 Jan 05 j 22:23	18° Y 29'23	
retrograde	-1089 Jul 14 j 09:46	27° H 34'53		evening set	-1082 Apr 07 j 10:30	21° Y 36'34	
opposition	-1089 Sep 29 j 07:03	25° H 34'27	-0°44'19				
min. Earth dist.	-1089 Sep 28 j 21:48	25° H 35'25	18.81928 AU	conjunction	-1082 Apr 24 j 02:17	22° Y 34'25	-0°26'25
direct	-1089 Dec 12 j 21:05	23° H 36'34		minimum elong	-1082 Apr 24 j 02:17	22° Y 34'26	0°26'25
evening set	-1088 Mar 12 j 03:37	26° H 37'48		max. Earth dist.	-1082 Apr 23 j 21:28	22° Y 33'44	20.43136 AU
				morning rise	-1082 May 10 j 20:14	23° Y 32'36	
conjunction	-1088 Mar 28 j 13:53	27° H 33'53	-0°39'20	retrograde	-1082 Aug 13 j 01:52	26° Y 45'24	
minimum elong	-1088 Mar 28 j 13:53	27° H 33'53	0°39'20	opposition	-1082 Oct 27 j 18:37	24° Y 44'07	-0°27'44
max. Earth dist.	-1088 Mar 28 j 22:33	27° H 35'07	20.79410 AU	min. Earth dist.	-1082 Oct 27 j 23:18	24° Y 43'37	18.39612 AU
morning rise	-1088 Apr 14 j 03:39	28° H 30'28		direct	-1081 Jan 10 j 08:37	22° Y 43'54	
	-1088 May 12 j 22:11	0° Y		evening set	-1081 Apr 12 j 02:36	25° Y 52'12	
retrograde	-1088 Jul 17 j 21:39	1° Y 39'59					
	-1088 Sep 24 j 06:47	30° R H		conjunction	-1081 Apr 28 j 19:17	26° Y 50'23	-0°23'38
opposition	-1088 Oct 02 j 14:11	29° H 39'27	-0°42'36	minimum elong	-1081 Apr 28 j 19:17	26° Y 50'23	0°23'38
min. Earth dist.	-1088 Oct 02 j 06:51	29° H 40'12	18.76832 AU	max. Earth dist.	-1081 Apr 28 j 13:23	26° Y 49'31	20.36075 AU
direct	-1088 Dec 16 j 03:26	27° H 41'18		morning rise	-1081 May 15 j 13:33	27° Y 48'50	
	-1087 Mar 03 j 07:36	0° Y			-1081 Jun 28 j 12:20	0° H	
evening set	-1087 Mar 16 j 14:20	0° Y 43'23		retrograde	-1081 Aug 17 j 17:01	1° H 02'11	
					-1081 Oct 07 j 20:41	30° R Y	
conjunction	-1087 Apr 02 j 01:46	1° Y 39'45	-0°37'41	opposition	-1081 Nov 01 j 05:08	29° Y 00'42	-0°24'35
minimum elong	-1087 Apr 02 j 01:46	1° Y 39'45	0°37'40	min. Earth dist.	-1081 Nov 01 j 10:56	29° Y 00'05	18.32465 AU
max. Earth dist.	-1087 Apr 02 j 09:43	1° Y 40'54	20.74171 AU	direct	-1080 Jan 14 j 21:09	27° Y 00'03	
morning rise	-1087 Apr 18 j 16:13	2° Y 36'35			-1080 Apr 13 j 01:01	0° H	
retrograde	-1087 Jul 22 j 08:50	5° Y 46'37		evening set	-1080 Apr 15 j 19:50	0° H 09'31	
opposition	-1087 Oct 06 j 21:39	3° Y 46'01	-0°40'40				
min. Earth dist.	-1087 Oct 06 j 15:43	3° Y 46'38	18.71433 AU	conjunction	-1080 May 02 j 13:04	1° H 08'00	-0°20'43
direct	-1087 Dec 20 j 10:14	1° Y 47'37		minimum elong	-1080 May 02 j 13:04	1° H 08'00	0°20'42
evening set	-1086 Mar 21 j 02:15	4° Y 50'38		max. Earth dist.	-1080 May 02 j 03:54	1° H 06'40	20.28874 AU
				morning rise	-1080 May 19 j 07:53	2° H 06'44	
conjunction	-1086 Apr 06 j 14:29	5° Y 47'16	-0°35'49	retrograde	-1080 Aug 21 j 07:18	5° H 20'40	
minimum elong	-1086 Apr 06 j 14:29	5° Y 47'16	0°35'48	opposition	-1080 Nov 04 j 16:16	3° H 18'59	-0°21'16

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Attention, astronomical year style is used: The year -1080 in astronomical counting style is the year 1081 BCE in historical counting style.

min. Earth dist.	-1080 Nov 05 j 00:37	3° 8 18'05	18.25230 AU	behind sun begin	-1074 May 30 j 11:01	27° 8 31'01	
direct	-1079 Jan 18 j 08:27	1° 8 17'50		behind sun end	-1074 May 31 j 00:35	27° 8 33'00	
evening set	-1079 Apr 20 j 13:48	4° 8 28'32		max. Earth dist.	-1074 May 29 j 22:08	27° 8 29'03	19.86636 AU
				morning rise	-1074 Jun 16 j 13:05	28° 8 32'17	
conjunction	-1079 May 07 j 07:51	5° 8 27'20	-0°17'39		-1074 Jul 13 j 03:07	0° II	
minimum elong	-1079 May 07 j 07:51	5° 8 27'20	0°17'39	asc. node	-1074 Aug 29 j 20:35	1° II 40'10	
max. Earth dist.	-1079 May 06 j 21:40	5° 8 25'50	20.21615 AU	retrograde	-1074 Sep 17 j 18:04	1° II 49'49	
morning rise	-1079 May 24 j 02:53	6° 8 26'20			-1074 Nov 26 j 05:56	30° R 8	
retrograde	-1079 Aug 26 j 00:03	9° 8 40'49		opposition	-1074 Dec 01 j 01:44	29° 8 47'29	0°00'59
opposition	-1079 Nov 09 j 03:57	7° 8 38'58	-0°17'48	min. Earth dist.	-1074 Dec 01 j 18:52	29° 8 45'37	17.83381 AU
min. Earth dist.	-1079 Nov 09 j 13:08	7° 8 37'59	18.17961 AU	direct	-1073 Feb 14 j 01:00	27° 8 43'55	
direct	-1078 Jan 22 j 22:19	5° 8 37'22			-1073 Apr 30 j 10:50	0° II	
evening set	-1078 Apr 25 j 08:53	8° 8 49'19		evening set	-1073 May 18 j 21:35	1° II 02'34	
conjunction	-1078 May 12 j 03:17	9° 8 48'25	-0°14'29	conjunction	-1073 Jun 04 j 17:28	2° II 03'08	0°02'44
minimum elong	-1078 May 12 j 03:17	9° 8 48'25	0°14'27	minimum elong	-1073 Jun 04 j 17:28	2° II 03'08	0°02'45
behind sun begin	-1078 May 12 j 00:31	9° 8 48'01		behind sun begin	-1073 Jun 04 j 10:42	2° II 02'09	
behind sun end	-1078 May 12 j 06:04	9° 8 48'49		behind sun end	-1073 Jun 05 j 00:14	2° II 04'08	
max. Earth dist.	-1078 May 11 j 14:10	9° 8 46'29	20.14355 AU	max. Earth dist.	-1073 Jun 03 j 20:31	1° II 59'59	19.80187 AU
morning rise	-1078 May 28 j 22:38	10° 8 47'41		morning rise	-1073 Jun 21 j 12:32	3° II 03'39	
retrograde	-1078 Aug 30 j 15:51	14° 8 02'46		retrograde	-1073 Sep 22 j 15:55	6° II 21'49	
opposition	-1078 Nov 13 j 16:24	12° 8 00'44	-0°14'13	opposition	-1073 Dec 05 j 18:05	4° II 19'27	0°04'55
min. Earth dist.	-1078 Nov 14 j 03:59	11° 8 59'30	18.10742 AU	min. Earth dist.	-1073 Dec 06 j 11:38	4° II 17'33	17.77027 AU
direct	-1077 Jan 27 j 11:03	9° 8 58'40		direct	-1072 Feb 18 j 20:21	2° II 15'34	
evening set	-1077 Apr 30 j 04:39	13° 8 11'55		evening set	-1072 May 22 j 22:18	5° II 35'35	
conjunction	-1077 May 16 j 23:39	14° 8 11'20	-0°11'12	conjunction	-1072 Jun 08 j 18:09	6° II 36'25	0°06'15
minimum elong	-1077 May 16 j 23:39	14° 8 11'20	0°11'12	minimum elong	-1072 Jun 08 j 18:09	6° II 36'25	0°06'16
behind sun begin	-1077 May 16 j 18:43	14° 8 10'37		behind sun begin	-1072 Jun 08 j 11:45	6° II 35'28	
behind sun end	-1077 May 17 j 04:35	14° 8 12'03		behind sun end	-1072 Jun 09 j 00:34	6° II 37'22	
max. Earth dist.	-1077 May 16 j 09:37	14° 8 09'15	20.07184 AU	max. Earth dist.	-1072 Jun 07 j 19:28	6° II 32'59	19.73913 AU
	-1077 May 30 j 16:29	15° 8		morning rise	-1072 Jun 25 j 12:48	7° II 37'08	
morning rise	-1077 Jun 02 j 19:03	15° 8 10'51		retrograde	-1072 Sep 26 j 11:41	10° II 55'53	
retrograde	-1077 Sep 04 j 10:06	18° 8 26'32		opposition	-1072 Dec 09 j 11:22	8° II 53'31	0°08'51
opposition	-1077 Nov 18 j 05:29	16° 8 24'23	-0°10'32	min. Earth dist.	-1072 Dec 10 j 07:21	8° II 51'21	17.70855 AU
min. Earth dist.	-1077 Nov 18 j 17:32	16° 8 23'05	18.03632 AU	direct	-1071 Feb 22 j 13:41	6° II 49'19	
	-1077 Dec 24 j 07:27	15° R 8		evening set	-1071 May 27 j 23:56	10° II 10'41	
direct	-1076 Feb 01 j 02:14	14° 8 21'54		conjunction	-1071 Jun 13 j 19:38	11° II 11'45	0°09'46
	-1076 Mar 10 j 08:01	15° 8		minimum elong	-1071 Jun 13 j 19:38	11° II 11'45	0°09'47
evening set	-1076 May 04 j 01:25	17° 8 36'27		behind sun begin	-1071 Jun 13 j 14:09	11° II 10'56	
conjunction	-1076 May 20 j 20:42	18° 8 36'10	-0°07'51	behind sun end	-1071 Jun 14 j 01:08	11° II 12'34	
minimum elong	-1076 May 20 j 20:42	18° 8 36'10	0°07'50	max. Earth dist.	-1071 Jun 12 j 19:07	11° II 08'01	19.67832 AU
behind sun begin	-1076 May 20 j 14:37	18° 8 35'17		morning rise	-1071 Jun 30 j 13:55	12° II 12'39	
behind sun end	-1076 May 21 j 02:47	18° 8 37'03		retrograde	-1071 Oct 01 j 10:37	15° II 31'58	
max. Earth dist.	-1076 May 20 j 04:10	18° 8 33'42	20.00146 AU	opposition	-1071 Dec 14 j 05:30	13° II 29'34	0°12'45
morning rise	-1076 Jun 06 j 16:14	19° 8 35'57		min. Earth dist.	-1071 Dec 15 j 01:54	13° II 27'21	17.64869 AU
retrograde	-1076 Sep 08 j 03:28	22° 8 52'15		direct	-1070 Feb 27 j 11:18	11° II 25'02	
opposition	-1076 Nov 21 j 19:31	20° 8 49'59	-0°06'46	evening set	-1070 Jun 02 j 02:14	14° II 47'41	
min. Earth dist.	-1076 Nov 22 j 09:52	20° 8 48'27	17.96687 AU	conjunction	-1070 Jun 18 j 21:44	15° II 48'59	0°13'15
direct	-1075 Feb 04 j 16:20	18° 8 47'07		minimum elong	-1070 Jun 18 j 21:44	15° II 48'59	0°13'16
evening set	-1075 May 08 j 23:11	22° 8 03'01		behind sun begin	-1070 Jun 18 j 17:56	15° II 48'25	
conjunction	-1075 May 25 j 18:51	23° 8 03'02	-0°04'26	behind sun end	-1070 Jun 19 j 01:31	15° II 49'33	
minimum elong	-1075 May 25 j 18:51	23° 8 03'02	0°04'25	max. Earth dist.	-1070 Jun 17 j 20:04	15° II 45'03	19.61930 AU
behind sun begin	-1075 May 25 j 12:11	23° 8 02'03		morning rise	-1070 Jul 05 j 15:18	16° II 50'03	
behind sun end	-1075 May 26 j 01:31	23° 8 04'00		retrograde	-1070 Oct 06 j 07:11	20° II 09'53	
max. Earth dist.	-1075 May 25 j 01:16	23° 8 00'24	19.93296 AU	opposition	-1070 Dec 19 j 00:35	18° II 07'28	0°16'37
morning rise	-1075 Jun 11 j 14:18	24° 8 03'04		min. Earth dist.	-1070 Dec 19 j 23:04	18° II 05'00	17.59087 AU
retrograde	-1075 Sep 12 j 23:29	27° 8 19'59		direct	-1069 Mar 04 j 06:57	16° II 02'36	
opposition	-1075 Nov 26 j 10:03	25° 8 17'40	-0°02'55	evening set	-1069 Jun 07 j 05:15	19° II 26'29	
min. Earth dist.	-1075 Nov 27 j 00:50	25° 8 16'04	17.89931 AU	max. Earth dist.	-1069 Jun 22 j 20:47	20° II 23'44	19.56277 AU
direct	-1074 Feb 09 j 09:31	23° 8 14'26		conjunction	-1069 Jun 24 j 00:20	20° II 27'58	0°16'40
evening set	-1074 May 13 j 22:02	26° 8 31'42		minimum elong	-1069 Jun 24 j 00:20	20° II 27'58	0°16'40
conjunction	-1074 May 30 j 17:48	27° 8 32'00	-0°00'54	morning rise	-1069 Jul 10 j 17:24	21° II 29'11	
minimum elong	-1074 May 30 j 17:48	27° 8 32'00	0°00'54	retrograde	-1069 Oct 11 j 06:36	24° II 49'30	

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Attention, astronomical year style is used: The year -1069 in astronomical counting style is the year 1070 BCE in historical counting style.

opposition	-1069 Dec 23 j 20:14	22°II47'01	0°20'23	conjunction	-1062 Jul 28 j 03:27	23°☾36'36	0°36'37
min. Earth dist.	-1069 Dec 24 j 18:59	22°II44'32	17.53576 AU	minimum elong	-1062 Jul 28 j 03:27	23°☾36'36	0°36'37
direct	-1068 Mar 08 j 06:53	20°II41'49		morning rise	-1062 Aug 13 j 13:44	24°☾38'11	
evening set	-1068 Jun 11 j 08:44	24°II06'52		retrograde	-1062 Nov 13 j 04:24	28°☾00'37	
max. Earth dist.	-1068 Jun 26 j 23:41	25°II04'14	19.50907 AU	opposition	-1061 Jan 25 j 10:12	25°☾58'04	0°41'59
				min. Earth dist.	-1061 Jan 26 j 10:25	25°☾55'24	17.27669 AU
conjunction	-1068 Jun 28 j 03:33	25°II08'32	0°19'59	direct	-1061 Apr 11 j 15:24	23°☾51'17	
minimum elong	-1068 Jun 28 j 03:32	25°II08'32	0°20'01	evening set	-1061 Jul 16 j 18:41	27°☾22'11	
morning rise	-1068 Jul 14 j 19:45	26°II09'53		max. Earth dist.	-1061 Aug 01 j 03:16	28°☾19'47	19.26910 AU
retrograde	-1068 Oct 15 j 03:44	29°II30'38					
opposition	-1068 Dec 27 j 16:50	27°II28'06	0°24'02	conjunction	-1061 Aug 02 j 07:40	28°☾24'16	0°38'38
min. Earth dist.	-1068 Dec 28 j 17:12	27°II25'26	17.48377 AU	minimum elong	-1061 Aug 02 j 07:40	28°☾24'16	0°38'39
direct	-1067 Mar 13 j 04:56	25°II22'34		morning rise	-1061 Aug 18 j 16:51	29°☾25'47	
evening set	-1067 Jun 16 j 12:56	28°II48'44			-1061 Aug 28 j 03:19	0°♈	
max. Earth dist.	-1067 Jul 02 j 01:25	29°II45'57	19.45895 AU	retrograde	-1061 Nov 18 j 04:38	2°♈48'21	
				opposition	-1060 Jan 30 j 11:07	0°♈45'54	0°44'06
conjunction	-1067 Jul 03 j 07:02	29°II50'32	0°23'11	min. Earth dist.	-1060 Jan 31 j 11:17	0°♈43'16	17.26411 AU
minimum elong	-1067 Jul 03 j 07:02	29°II50'32	0°23'12		-1060 Feb 17 j 08:46	30°♈	
	-1067 Jul 05 j 20:09	0°☾		direct	-1060 Apr 15 j 17:53	28°☾39'07	
morning rise	-1067 Jul 19 j 22:35	0°☾51'58			-1060 Jun 11 j 05:37	0°♈	
retrograde	-1067 Oct 20 j 03:22	4°☾13'07		evening set	-1060 Jul 20 j 23:55	2°♈10'28	
opposition	-1066 Jan 01 j 13:59	2°☾10'32	0°27'32	max. Earth dist.	-1060 Aug 05 j 09:01	3°♈08'15	19.25967 AU
min. Earth dist.	-1066 Jan 02 j 14:26	2°☾07'51	17.43573 AU				
direct	-1066 Mar 18 j 06:41	0°☾04'41		conjunction	-1060 Aug 06 j 11:54	3°♈12'30	0°40'23
evening set	-1066 Jun 21 j 17:20	3°☾31'52		minimum elong	-1060 Aug 06 j 11:54	3°♈12'30	0°40'25
max. Earth dist.	-1066 Jul 07 j 05:55	4°☾29'17	19.41302 AU	morning rise	-1060 Aug 22 j 19:52	4°♈13'57	
				retrograde	-1060 Nov 22 j 06:40	7°♈36'36	
conjunction	-1066 Jul 08 j 10:57	4°☾33'47	0°26'15	opposition	-1059 Feb 03 j 12:37	5°♈34'17	0°45'55
minimum elong	-1066 Jul 08 j 10:57	4°☾33'47	0°26'16	min. Earth dist.	-1059 Feb 04 j 11:38	5°♈31'46	17.25760 AU
morning rise	-1066 Jul 25 j 01:26	5°☾35'18		direct	-1059 Apr 20 j 22:07	3°♈27'33	
retrograde	-1066 Oct 25 j 01:55	8°☾56'47		evening set	-1059 Jul 26 j 05:08	6°♈59'12	
opposition	-1065 Jan 06 j 12:01	6°☾54'09	0°30'52				
min. Earth dist.	-1065 Jan 07 j 13:18	6°☾51'23	17.39223 AU	conjunction	-1059 Aug 11 j 15:52	8°♈01'08	0°41'52
direct	-1065 Mar 23 j 06:59	4°☾48'02		minimum elong	-1059 Aug 11 j 15:52	8°♈01'08	0°41'53
evening set	-1065 Jun 26 j 22:00	8°☾16'08		max. Earth dist.	-1059 Aug 10 j 13:23	7°♈56'57	19.25608 AU
max. Earth dist.	-1065 Jul 12 j 08:26	9°☾13'25	19.37210 AU	morning rise	-1059 Aug 27 j 22:35	9°♈02'29	
				retrograde	-1059 Nov 27 j 06:35	12°♈25'11	
conjunction	-1065 Jul 13 j 14:44	9°☾18'08	0°29'09	opposition	-1058 Feb 08 j 14:44	10°♈22'59	0°47'24
minimum elong	-1065 Jul 13 j 14:44	9°☾18'08	0°29'10	min. Earth dist.	-1058 Feb 09 j 13:48	10°♈20'28	17.25696 AU
morning rise	-1065 Jul 30 j 04:26	10°☾19'43		direct	-1058 Apr 26 j 01:43	8°♈16'19	
retrograde	-1065 Oct 30 j 01:51	13°☾41'30		evening set	-1058 Jul 31 j 10:04	11°♈48'10	
opposition	-1064 Jan 11 j 10:35	11°☾38'50	0°34'00				
min. Earth dist.	-1064 Jan 12 j 11:44	11°☾36'05	17.35412 AU	conjunction	-1058 Aug 16 j 19:38	12°♈49'59	0°43'04
direct	-1064 Mar 27 j 09:07	9°☾32'27		minimum elong	-1058 Aug 16 j 19:38	12°♈49'59	0°43'05
evening set	-1064 Jul 01 j 02:56	13°☾01'24		max. Earth dist.	-1058 Aug 15 j 18:22	12°♈45'58	19.25821 AU
				morning rise	-1058 Sep 02 j 01:08	13°♈51'12	
conjunction	-1064 Jul 17 j 19:00	14°☾03'28	0°31'51		-1058 Sep 21 j 10:37	15°♈	
minimum elong	-1064 Jul 17 j 19:00	14°☾03'28	0°31'51	retrograde	-1058 Dec 02 j 08:30	17°♈13'52	
max. Earth dist.	-1064 Jul 16 j 13:56	13°☾58'55	19.33676 AU	opposition	-1057 Feb 13 j 17:05	15°♈11'47	0°48'34
morning rise	-1064 Aug 03 j 07:31	15°☾05'04		min. Earth dist.	-1057 Feb 14 j 14:30	15°♈09'28	17.26167 AU
retrograde	-1064 Nov 03 j 02:13	18°☾27'05			-1057 Feb 18 j 05:44	15°♈	
opposition	-1063 Jan 15 j 09:47	16°☾24'26	0°36'55	direct	-1057 May 01 j 07:32	13°♈05'14	
min. Earth dist.	-1063 Jan 16 j 11:00	16°☾21'40	17.32179 AU		-1057 Jul 08 j 10:44	15°♈	
direct	-1063 Apr 01 j 10:42	14°☾17'51		evening set	-1057 Aug 05 j 14:37	16°♈37'05	
evening set	-1063 Jul 06 j 08:15	17°☾47'33					
				conjunction	-1057 Aug 21 j 23:00	17°♈38'46	0°43'57
conjunction	-1063 Jul 22 j 23:14	18°☾49'39	0°34'21	minimum elong	-1057 Aug 21 j 23:00	17°♈38'46	0°43'58
minimum elong	-1063 Jul 22 j 23:14	18°☾49'39	0°34'22	max. Earth dist.	-1057 Aug 20 j 22:49	17°♈34'56	19.26547 AU
max. Earth dist.	-1063 Jul 21 j 17:21	18°☾44'58	19.30758 AU	morning rise	-1057 Sep 07 j 03:13	18°♈39'51	
morning rise	-1063 Aug 08 j 10:46	19°☾51'15		retrograde	-1057 Dec 07 j 07:59	22°♈02'25	
retrograde	-1063 Nov 08 j 02:36	23°☾13'30		opposition	-1056 Feb 18 j 19:53	20°♈00'27	0°49'23
opposition	-1062 Jan 20 j 09:42	21°☾10'52	0°39'35	min. Earth dist.	-1056 Feb 19 j 17:22	19°♈58'07	17.27146 AU
min. Earth dist.	-1062 Jan 21 j 10:40	21°☾08'08	17.29597 AU	direct	-1056 May 05 j 11:38	17°♈53'59	
direct	-1062 Apr 06 j 12:42	19°☾04'09		evening set	-1056 Aug 09 j 18:53	21°♈25'45	
evening set	-1062 Jul 11 j 13:19	22°☾34'30		max. Earth dist.	-1056 Aug 25 j 02:38	22°♈23'34	19.27774 AU
max. Earth dist.	-1062 Jul 26 j 23:15	23°☾32'10	19.28503 AU				
				conjunction	-1056 Aug 26 j 01:57	22°♈27'16	0°44'32

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Attention, astronomical year style is used: The year -1056 in astronomical counting style is the year 1057 BCE in historical counting style.

minimum elong	-1056 Aug 26 j 01:57	22° Ω 27'16	0°44'32	min. Earth dist.	-1049 Mar 25 j 00:31	23° \mathbb{N} 16'56	17.47613 AU
morning rise	-1056 Sep 11 j 05:02	23° Ω 28'10		direct	-1049 Jun 09 j 18:36	21° \mathbb{N} 12'51	
retrograde	-1056 Dec 11 j 09:29	26° Ω 50'35		evening set	-1049 Sep 13 j 03:36	24° \mathbb{N} 40'22	
opposition	-1055 Feb 22 j 22:39	24° Ω 48'43	0°49'52				
min. Earth dist.	-1055 Feb 23 j 18:08	24° Ω 46'37	17.28603 AU	conjunction	-1049 Sep 29 j 02:31	25° \mathbb{N} 40'10	0°40'00
direct	-1055 May 10 j 18:06	22° Ω 42'23		minimum elong	-1049 Sep 29 j 02:31	25° \mathbb{N} 40'10	0°39'59
evening set	-1055 Aug 14 j 22:32	26° Ω 13'54		max. Earth dist.	-1049 Sep 28 j 17:12	25° \mathbb{N} 38'43	19.50029 AU
max. Earth dist.	-1055 Aug 30 j 06:59	27° Ω 11'49	19.29468 AU	morning rise	-1049 Oct 14 j 22:00	26° \mathbb{N} 39'30	
				retrograde	-1048 Jan 14 j 02:16	29° \mathbb{N} 59'23	
conjunction	-1055 Aug 31 j 04:27	27° Ω 15'13	0°44'48	opposition	-1048 Mar 28 j 16:35	27° \mathbb{N} 58'06	0°43'37
minimum elong	-1055 Aug 31 j 04:27	27° Ω 15'13	0°44'48	min. Earth dist.	-1048 Mar 29 j 00:34	27° \mathbb{N} 57'15	17.52589 AU
morning rise	-1055 Sep 16 j 06:12	28° Ω 15'57		direct	-1048 Jun 13 j 20:16	25° \mathbb{N} 53'20	
	-1055 Oct 16 j 17:31	0° \mathbb{N}		evening set	-1048 Sep 17 j 01:24	29° \mathbb{N} 19'53	
retrograde	-1055 Dec 16 j 08:35	1° \mathbb{N} 38'09			-1048 Sep 27 j 19:46	0° Ω	
	-1054 Feb 18 j 21:09	30° \mathbb{R} Ω					
opposition	-1054 Feb 28 j 01:48	29° Ω 36'22	0°49'58	conjunction	-1048 Oct 02 j 23:06	0° Ω 19'23	0°38'14
min. Earth dist.	-1054 Feb 28 j 21:05	29° Ω 34'17	17.30537 AU	minimum elong	-1048 Oct 02 j 23:06	0° Ω 19'23	0°38'14
direct	-1054 May 15 j 22:22	27° Ω 30'10		max. Earth dist.	-1048 Oct 02 j 15:05	0° Ω 18'08	19.55261 AU
	-1054 Aug 02 j 21:14	0° \mathbb{N}		morning rise	-1048 Oct 18 j 17:53	1° Ω 18'26	
evening set	-1054 Aug 20 j 01:26	1° \mathbb{N} 01'18		retrograde	-1047 Jan 18 j 00:26	4° Ω 37'51	
max. Earth dist.	-1054 Sep 04 j 09:22	1° \mathbb{N} 59'08	19.31649 AU	opposition	-1047 Apr 02 j 17:59	2° Ω 36'43	0°41'30
				min. Earth dist.	-1047 Apr 02 j 23:30	2° Ω 36'08	17.58056 AU
conjunction	-1054 Sep 05 j 06:01	2° \mathbb{N} 02'24	0°44'45	direct	-1047 Jun 18 j 22:43	0° Ω 32'21	
minimum elong	-1054 Sep 05 j 06:01	2° \mathbb{N} 02'24	0°44'44	evening set	-1047 Sep 21 j 22:08	3° Ω 57'51	
morning rise	-1054 Sep 21 j 06:45	3° \mathbb{N} 02'56					
retrograde	-1054 Dec 21 j 09:23	6° \mathbb{N} 24'52		conjunction	-1047 Oct 07 j 18:59	4° Ω 57'04	0°36'14
opposition	-1053 Mar 05 j 04:42	4° \mathbb{N} 23'09	0°49'44	minimum elong	-1047 Oct 07 j 18:59	4° Ω 57'04	0°36'14
min. Earth dist.	-1053 Mar 05 j 21:37	4° \mathbb{N} 21'20	17.32947 AU	max. Earth dist.	-1047 Oct 07 j 14:22	4° Ω 56'20	19.60952 AU
direct	-1053 May 21 j 04:28	2° \mathbb{N} 17'06		morning rise	-1047 Oct 23 j 12:52	5° Ω 55'51	
evening set	-1053 Aug 25 j 03:36	5° \mathbb{N} 47'44		retrograde	-1046 Jan 22 j 20:30	9° Ω 14'45	
				opposition	-1046 Apr 07 j 19:03	7° Ω 13'48	0°39'09
conjunction	-1053 Sep 10 j 07:07	6° \mathbb{N} 48'36	0°44'23	min. Earth dist.	-1046 Apr 07 j 22:24	7° Ω 13'27	17.63932 AU
minimum elong	-1053 Sep 10 j 07:07	6° \mathbb{N} 48'36	0°44'23	direct	-1046 Jun 24 j 00:19	5° Ω 09'53	
max. Earth dist.	-1053 Sep 09 j 13:01	6° \mathbb{N} 45'44	19.34300 AU	evening set	-1046 Sep 26 j 17:59	8° Ω 34'16	
morning rise	-1053 Sep 26 j 06:34	7° \mathbb{N} 48'54					
retrograde	-1053 Dec 26 j 07:42	11° \mathbb{N} 10'30		conjunction	-1046 Oct 12 j 13:47	9° Ω 33'09	0°34'01
opposition	-1052 Mar 09 j 07:30	9° \mathbb{N} 08'51	0°49'09	minimum elong	-1046 Oct 12 j 13:47	9° Ω 33'09	0°34'01
min. Earth dist.	-1052 Mar 09 j 23:53	9° \mathbb{N} 07'06	17.35837 AU	max. Earth dist.	-1046 Oct 12 j 10:35	9° Ω 32'39	19.67015 AU
direct	-1052 May 25 j 07:54	7° \mathbb{N} 02'59		morning rise	-1046 Oct 28 j 07:07	10° Ω 31'41	
evening set	-1052 Aug 29 j 05:05	10° \mathbb{N} 32'59		retrograde	-1045 Jan 27 j 16:43	13° Ω 50'03	
				opposition	-1045 Apr 12 j 19:36	11° Ω 49'17	0°36'32
conjunction	-1052 Sep 14 j 07:15	11° \mathbb{N} 33'36	0°43'43	min. Earth dist.	-1045 Apr 12 j 21:01	11° Ω 49'08	17.70158 AU
minimum elong	-1052 Sep 14 j 07:15	11° \mathbb{N} 33'36	0°43'42	direct	-1045 Jun 29 j 01:09	9° Ω 45'47	
max. Earth dist.	-1052 Sep 13 j 14:02	11° \mathbb{N} 30'53	19.37448 AU	evening set	-1045 Oct 01 j 12:54	13° Ω 09'01	
morning rise	-1052 Sep 30 j 05:48	12° \mathbb{N} 33'41					
retrograde	-1052 Dec 30 j 07:57	15° \mathbb{N} 54'54		conjunction	-1045 Oct 17 j 07:57	14° Ω 07'36	0°31'35
opposition	-1051 Mar 14 j 10:08	13° \mathbb{N} 53'18	0°48'14	minimum elong	-1045 Oct 17 j 07:57	14° Ω 07'36	0°31'35
min. Earth dist.	-1051 Mar 14 j 23:55	13° \mathbb{N} 51'50	17.39233 AU	max. Earth dist.	-1045 Oct 17 j 07:41	14° Ω 07'33	19.73379 AU
direct	-1051 May 30 j 12:48	11° \mathbb{N} 47'38		morning rise	-1045 Nov 02 j 00:32	15° Ω 05'50	
evening set	-1051 Sep 03 j 05:25	15° \mathbb{N} 16'54		retrograde	-1044 Feb 01 j 11:49	18° Ω 23'39	
				opposition	-1044 Apr 16 j 19:31	16° Ω 23'03	0°33'43
conjunction	-1051 Sep 19 j 06:32	16° \mathbb{N} 17'15	0°42'45	min. Earth dist.	-1044 Apr 16 j 18:38	16° Ω 23'09	17.76627 AU
minimum elong	-1051 Sep 19 j 06:32	16° \mathbb{N} 17'15	0°42'45	direct	-1044 Jul 03 j 01:59	14° Ω 20'01	
max. Earth dist.	-1051 Sep 18 j 16:36	16° \mathbb{N} 15'03	19.41103 AU	evening set	-1044 Oct 05 j 07:04	17° Ω 42'01	
morning rise	-1051 Oct 05 j 03:53	17° \mathbb{N} 17'05					
retrograde	-1050 Jan 04 j 05:42	20° \mathbb{N} 37'53		conjunction	-1044 Oct 21 j 01:11	18° Ω 40'17	0°28'59
opposition	-1050 Mar 19 j 12:44	18° \mathbb{N} 36'22	0°47'00	minimum elong	-1044 Oct 21 j 01:11	18° Ω 40'17	0°28'58
min. Earth dist.	-1050 Mar 20 j 01:13	18° \mathbb{N} 35'03	17.43147 AU	max. Earth dist.	-1044 Oct 21 j 02:22	18° Ω 40'28	19.79953 AU
direct	-1050 Jun 04 j 15:09	16° \mathbb{N} 30'57		morning rise	-1044 Nov 05 j 17:18	19° Ω 38'15	
evening set	-1050 Sep 08 j 05:04	19° \mathbb{N} 59'23		retrograde	-1043 Feb 05 j 06:03	22° Ω 55'30	
				opposition	-1043 Apr 21 j 19:08	20° Ω 55'03	0°30'42
conjunction	-1050 Sep 24 j 04:53	20° \mathbb{N} 59'28	0°41'30	min. Earth dist.	-1043 Apr 21 j 16:45	20° Ω 55'18	17.83292 AU
minimum elong	-1050 Sep 24 j 04:53	20° \mathbb{N} 59'28	0°41'31	direct	-1043 Jul 08 j 00:33	18° Ω 52'26	
max. Earth dist.	-1050 Sep 23 j 16:07	20° \mathbb{N} 57'27	19.45296 AU	evening set	-1043 Oct 10 j 00:02	22° Ω 13'10	
morning rise	-1050 Oct 10 j 01:25	21° \mathbb{N} 59'02					
retrograde	-1049 Jan 09 j 05:10	25° \mathbb{N} 19'24		conjunction	-1043 Oct 25 j 17:30	23° Ω 11'07	0°26'12
opposition	-1049 Mar 24 j 14:45	23° \mathbb{N} 17'59	0°45'27	minimum elong	-1043 Oct 25 j 17:30	23° Ω 11'07	0°26'12

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Attention, astronomical year style is used: The year -1043 in astronomical counting style is the year 1044 BCE in historical counting style.

max. Earth dist.	-1043 Oct 25 j 21:16	23° <u>♂</u> 11'42	19.86684 AU	conjunction	-1037 Nov 21 j 00:51	19° <u>♂</u> 32'47	0°07'19
morning rise	-1043 Nov 10 j 09:05	24° <u>♂</u> 08'49		minimum elong	-1037 Nov 21 j 00:51	19° <u>♂</u> 32'47	0°07'17
retrograde	-1042 Feb 10 j 00:29	27° <u>♂</u> 25'28		behind sun begin	-1037 Nov 20 j 18:50	19° <u>♂</u> 31'54	
opposition	-1042 Apr 26 j 18:01	25° <u>♂</u> 25'09	0°27'31	behind sun end	-1037 Nov 21 j 06:51	19° <u>♂</u> 33'40	
min. Earth dist.	-1042 Apr 26 j 13:07	25° <u>♂</u> 25'40	17.90061 AU	max. Earth dist.	-1037 Nov 21 j 15:37	19° <u>♂</u> 35'00	20.27601 AU
direct	-1042 Jul 13 j 00:08	23° <u>♂</u> 22'57		morning rise	-1037 Dec 06 j 15:20	20° <u>♂</u> 28'58	
evening set	-1042 Oct 14 j 16:16	26° <u>♂</u> 42'22		retrograde	-1036 Mar 07 j 22:04	23° <u>♂</u> 41'44	
				opposition	-1036 May 23 j 19:10	21° <u>♂</u> 41'50	0°06'13
conjunction	-1042 Oct 30 j 09:01	27° <u>♂</u> 40'01	0°23'16	min. Earth dist.	-1036 May 23 j 03:03	21° <u>♂</u> 43'28	18.31006 AU
minimum elong	-1042 Oct 30 j 09:01	27° <u>♂</u> 40'01	0°23'15	direct	-1036 Aug 08 j 19:03	19° <u>♂</u> 41'45	
max. Earth dist.	-1042 Oct 30 j 14:17	27° <u>♂</u> 40'49	19.93485 AU	evening set	-1036 Nov 08 j 20:43	22° <u>♂</u> 53'05	
morning rise	-1042 Nov 15 j 00:16	28° <u>♂</u> 37'27					
	-1042 Dec 09 j 08:37	0° <u>♂</u>		conjunction	-1036 Nov 24 j 11:04	23° <u>♂</u> 49'01	0°04'01
retrograde	-1041 Feb 14 j 17:03	1° <u>♂</u> 53'28		minimum elong	-1036 Nov 24 j 11:04	23° <u>♂</u> 49'01	0°04'01
	-1041 Apr 28 j 22:50	30° <u>♂</u> 3'2		behind sun begin	-1036 Nov 24 j 04:37	23° <u>♂</u> 48'04	
opposition	-1041 May 01 j 16:09	29° <u>♂</u> 53'17	0°24'11	behind sun end	-1036 Nov 24 j 17:31	23° <u>♂</u> 49'57	
min. Earth dist.	-1041 May 01 j 10:14	29° <u>♂</u> 53'53	17.96891 AU	max. Earth dist.	-1036 Nov 25 j 04:02	23° <u>♂</u> 51'33	20.34433 AU
direct	-1041 Jul 17 j 20:20	27° <u>♂</u> 51'27		morning rise	-1036 Dec 10 j 01:35	24° <u>♂</u> 44'59	
	-1041 Sep 28 j 23:47	0° <u>♂</u>		retrograde	-1035 Mar 12 j 10:29	27° <u>♂</u> 57'09	
evening set	-1041 Oct 19 j 07:28	1° <u>♂</u> 09'32		opposition	-1035 May 28 j 12:38	25° <u>♂</u> 57'20	0°02'32
				min. Earth dist.	-1035 May 27 j 19:42	25° <u>♂</u> 59'03	18.37851 AU
conjunction	-1041 Nov 03 j 23:42	2° <u>♂</u> 06'53	0°20'14	direct	-1035 Aug 13 j 10:09	23° <u>♂</u> 57'38	
minimum elong	-1041 Nov 03 j 23:42	2° <u>♂</u> 06'53	0°20'14	evening set	-1035 Nov 13 j 06:15	27° <u>♂</u> 07'42	
max. Earth dist.	-1041 Nov 04 j 07:01	2° <u>♂</u> 08'00	20.00324 AU				
morning rise	-1041 Nov 19 j 14:37	3° <u>♂</u> 04'03		conjunction	-1035 Nov 28 j 20:27	28° <u>♂</u> 03'23	0°00'40
retrograde	-1040 Feb 19 j 10:30	6° <u>♂</u> 19'25		minimum elong	-1035 Nov 28 j 20:28	28° <u>♂</u> 03'23	0°00'38
opposition	-1040 May 05 j 13:33	4° <u>♂</u> 19'19	0°20'43	behind sun begin	-1035 Nov 28 j 13:57	28° <u>♂</u> 02'26	
min. Earth dist.	-1040 May 05 j 05:00	4° <u>♂</u> 20'11	18.03717 AU	behind sun end	-1035 Nov 29 j 02:59	28° <u>♂</u> 04'20	
direct	-1040 Jul 21 j 18:09	2° <u>♂</u> 17'51		max. Earth dist.	-1035 Nov 29 j 14:54	28° <u>♂</u> 06'09	20.41274 AU
evening set	-1040 Oct 22 j 21:39	5° <u>♂</u> 34'35		morning rise	-1035 Dec 14 j 11:11	28° <u>♂</u> 59'09	
					-1034 Jan 01 j 13:16	0° <u>♂</u>	
conjunction	-1040 Nov 07 j 13:18	6° <u>♂</u> 31'37	0°17'05	desc. node	-1034 Feb 08 j 05:48	1° <u>♂</u> 36'39	
minimum elong	-1040 Nov 07 j 13:18	6° <u>♂</u> 31'37	0°17'05	retrograde	-1034 Mar 17 j 00:47	2° <u>♂</u> 10'45	
max. Earth dist.	-1040 Nov 07 j 22:21	6° <u>♂</u> 32'59	20.07143 AU	min. Earth dist.	-1034 Jun 01 j 09:24	0° <u>♂</u> 13'02	18.44668 AU
morning rise	-1040 Nov 23 j 04:01	7° <u>♂</u> 28'32		opposition	-1034 Jun 02 j 05:07	0° <u>♂</u> 11'03	-0°01'08
retrograde	-1039 Feb 23 j 01:35	10° <u>♂</u> 43'15			-1034 Jun 06 j 18:26	30° <u>♂</u> 3'3	
opposition	-1039 May 10 j 10:22	8° <u>♂</u> 43'12	0°17'10	direct	-1034 Aug 18 j 01:18	28° <u>♂</u> 11'44	
min. Earth dist.	-1039 May 10 j 00:55	8° <u>♂</u> 44'10	18.10539 AU		-1034 Oct 24 j 00:26	0° <u>♂</u>	
direct	-1039 Jul 26 j 12:54	6° <u>♂</u> 42'05		evening set	-1034 Nov 17 j 15:11	1° <u>♂</u> 20'36	
evening set	-1039 Oct 27 j 10:49	9° <u>♂</u> 57'26					
				conjunction	-1034 Dec 03 j 05:22	2° <u>♂</u> 16'03	-0°02'43
conjunction	-1039 Nov 12 j 02:06	10° <u>♂</u> 54'11	0°13'52	minimum elong	-1034 Dec 03 j 05:21	2° <u>♂</u> 16'03	0°02'44
minimum elong	-1039 Nov 12 j 02:06	10° <u>♂</u> 54'11	0°13'52	behind sun begin	-1034 Dec 02 j 22:50	2° <u>♂</u> 15'06	
behind sun begin	-1039 Nov 11 j 22:33	10° <u>♂</u> 53'39		behind sun end	-1034 Dec 03 j 11:53	2° <u>♂</u> 17'00	
behind sun end	-1039 Nov 12 j 05:38	10° <u>♂</u> 54'42		max. Earth dist.	-1034 Dec 04 j 01:49	2° <u>♂</u> 19'06	20.48048 AU
max. Earth dist.	-1039 Nov 12 j 13:05	10° <u>♂</u> 55'50	20.13965 AU	morning rise	-1034 Dec 18 j 20:14	3° <u>♂</u> 11'38	
morning rise	-1039 Nov 27 j 16:40	11° <u>♂</u> 50'51		retrograde	-1033 Mar 21 j 11:49	6° <u>♂</u> 22'41	
	-1038 Feb 14 j 01:24	15° <u>♂</u>		opposition	-1033 Jun 06 j 20:48	4° <u>♂</u> 23'07	-0°04'46
retrograde	-1038 Feb 27 j 17:40	15° <u>♂</u> 04'53		min. Earth dist.	-1033 Jun 06 j 00:39	4° <u>♂</u> 25'09	18.51400 AU
	-1038 Mar 13 j 13:54	15° <u>♂</u> 3'3		direct	-1033 Aug 22 j 14:49	2° <u>♂</u> 24'12	
opposition	-1038 May 15 j 06:06	13° <u>♂</u> 04'53	0°13'33	evening set	-1033 Nov 21 j 23:28	5° <u>♂</u> 31'55	
min. Earth dist.	-1038 May 14 j 17:48	13° <u>♂</u> 06'09	18.17352 AU				
direct	-1038 Jul 31 j 08:38	11° <u>♂</u> 04'07		conjunction	-1033 Dec 07 j 13:35	6° <u>♂</u> 27'09	-0°05'59
evening set	-1038 Oct 31 j 22:59	14° <u>♂</u> 18'05		minimum elong	-1033 Dec 07 j 13:35	6° <u>♂</u> 27'09	0°05'59
	-1038 Nov 12 j 14:01	15° <u>♂</u>		behind sun begin	-1033 Dec 07 j 07:21	6° <u>♂</u> 26'15	
conjunction	-1038 Nov 16 j 13:53	15° <u>♂</u> 14'33	0°10'37	behind sun end	-1033 Dec 07 j 19:49	6° <u>♂</u> 28'04	
minimum elong	-1038 Nov 16 j 13:53	15° <u>♂</u> 14'33	0°10'36	max. Earth dist.	-1033 Dec 08 j 11:02	6° <u>♂</u> 30'21	20.54719 AU
behind sun begin	-1038 Nov 16 j 08:45	15° <u>♂</u> 13'47		morning rise	-1033 Dec 23 j 04:46	7° <u>♂</u> 22'33	
behind sun end	-1038 Nov 16 j 19:01	15° <u>♂</u> 15'18		retrograde	-1032 Mar 25 j 01:43	10° <u>♂</u> 33'06	
max. Earth dist.	-1038 Nov 17 j 02:54	15° <u>♂</u> 16'31	20.20773 AU	opposition	-1032 Jun 10 j 11:48	8° <u>♂</u> 33'40	-0°08'21
morning rise	-1038 Dec 02 j 04:24	16° <u>♂</u> 10'58		min. Earth dist.	-1032 Jun 09 j 13:17	8° <u>♂</u> 35'56	18.57990 AU
retrograde	-1037 Mar 04 j 07:21	19° <u>♂</u> 24'22		direct	-1032 Aug 26 j 04:16	6° <u>♂</u> 35'08	
opposition	-1037 May 20 j 01:10	17° <u>♂</u> 24'24	0°09'54	evening set	-1032 Nov 25 j 07:00	9° <u>♂</u> 41'46	
min. Earth dist.	-1037 May 19 j 12:01	17° <u>♂</u> 25'45	18.24173 AU				
direct	-1037 Aug 05 j 01:33	15° <u>♂</u> 23'58		conjunction	-1032 Dec 10 j 21:12	10° <u>♂</u> 36'48	-0°09'10
evening set	-1037 Nov 05 j 10:15	18° <u>♂</u> 36'36		minimum elong	-1032 Dec 10 j 21:13	10° <u>♂</u> 36'48	0°09'11
				behind sun begin	-1032 Dec 10 j 15:39	10° <u>♂</u> 35'59	

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Attention, astronomical year style is used: The year -1032 in astronomical counting style is the year 1033 BCE in historical counting style.

behind sun end	-1032 Dec 11 j 02:47	10° \mathring{A} 37'36		minimum elong	-1025 Jan 04 j 11:07	5° \mathring{B} 07'21	0°26'35
max. Earth dist.	-1032 Dec 11 j 20:34	10° \mathring{A} 40'15	20.61201 AU	max. Earth dist.	-1025 Jan 05 j 14:24	5° \mathring{B} 11'19	20.92842 AU
morning rise	-1032 Dec 26 j 12:40	11° \mathring{A} 32'02		morning rise	-1025 Jan 20 j 05:42	6° \mathring{B} 01'52	
retrograde	-1031 Mar 29 j 11:44	14° \mathring{A} 42'06		retrograde	-1025 Apr 23 j 22:46	9° \mathring{B} 09'30	
min. Earth dist.	-1031 Jun 14 j 03:37	12° \mathring{A} 45'05	18.64366 AU	min. Earth dist.	-1025 Jul 10 j 00:20	7° \mathring{B} 13'03	18.94806 AU
opposition	-1031 Jun 15 j 02:18	12° \mathring{A} 42'48	-0°11'52	opposition	-1025 Jul 11 j 02:00	7° \mathring{B} 10'29	-0°30'46
direct	-1031 Aug 30 j 16:16	10° \mathring{A} 44'40		direct	-1025 Sep 25 j 04:43	5° \mathring{B} 13'48	
evening set	-1031 Nov 29 j 14:11	13° \mathring{A} 50'13		evening set	-1025 Dec 23 j 23:44	8° \mathring{B} 14'04	
conjunction	-1031 Dec 15 j 04:29	14° \mathring{A} 45'04	-0°12'18	conjunction	-1024 Jan 08 j 16:09	9° \mathring{B} 08'06	-0°29'02
minimum elong	-1031 Dec 15 j 04:28	14° \mathring{A} 45'04	0°12'19	minimum elong	-1024 Jan 08 j 16:09	9° \mathring{B} 08'06	0°29'03
behind sun begin	-1031 Dec 15 j 00:03	14° \mathring{A} 44'26		max. Earth dist.	-1024 Jan 09 j 19:05	9° \mathring{B} 12'00	20.96607 AU
behind sun end	-1031 Dec 15 j 08:53	14° \mathring{A} 45'42		morning rise	-1024 Jan 24 j 11:31	10° \mathring{B} 02'33	
max. Earth dist.	-1031 Dec 16 j 04:20	14° \mathring{A} 48'35	20.67449 AU	retrograde	-1024 Apr 27 j 07:30	13° \mathring{B} 09'52	
morning rise	-1031 Dec 30 j 20:22	15° \mathring{A} 40'09		min. Earth dist.	-1024 Jul 13 j 09:04	11° \mathring{B} 13'27	18.98379 AU
retrograde	-1030 Apr 03 j 00:39	18° \mathring{A} 49'46		opposition	-1024 Jul 14 j 11:41	11° \mathring{B} 10'48	-0°33'24
opposition	-1030 Jun 19 j 15:48	16° \mathring{A} 50'35	-0°15'19	direct	-1024 Sep 28 j 12:32	9° \mathring{B} 14'13	
min. Earth dist.	-1030 Jun 18 j 15:19	16° \mathring{A} 53'02	18.70469 AU	evening set	-1024 Dec 27 j 03:53	12° \mathring{B} 13'47	
direct	-1030 Sep 04 j 04:31	14° \mathring{A} 52'48		conjunction	-1023 Jan 11 j 20:55	13° \mathring{B} 07'46	-0°31'21
evening set	-1030 Dec 03 j 20:49	17° \mathring{A} 57'21		minimum elong	-1023 Jan 11 j 20:55	13° \mathring{B} 07'46	0°31'21
conjunction	-1030 Dec 19 j 11:22	18° \mathring{A} 52'02	-0°15'22	max. Earth dist.	-1023 Jan 13 j 01:02	13° \mathring{B} 11'49	20.99978 AU
minimum elong	-1030 Dec 19 j 11:22	18° \mathring{A} 52'02	0°15'24	morning rise	-1023 Jan 27 j 16:57	14° \mathring{B} 02'10	
behind sun begin	-1030 Dec 19 j 09:11	18° \mathring{A} 51'43		retrograde	-1023 May 01 j 14:42	17° \mathring{B} 09'11	
behind sun end	-1030 Dec 19 j 13:32	18° \mathring{A} 52'21		opposition	-1023 Jul 18 j 20:50	15° \mathring{B} 10'05	-0°35'52
max. Earth dist.	-1030 Dec 20 j 12:42	18° \mathring{A} 55'46	20.73369 AU	min. Earth dist.	-1023 Jul 17 j 18:34	15° \mathring{B} 12'42	19.01573 AU
morning rise	-1029 Jan 04 j 03:38	19° \mathring{A} 46'58		direct	-1023 Oct 02 j 19:15	13° \mathring{B} 13'37	
retrograde	-1029 Apr 07 j 09:38	22° \mathring{A} 56'10		evening set	-1023 Dec 31 j 08:01	16° \mathring{B} 12'34	
min. Earth dist.	-1029 Jun 23 j 04:36	20° \mathring{A} 59'31	18.76211 AU	conjunction	-1022 Jan 16 j 01:36	17° \mathring{B} 06'29	-0°33'30
opposition	-1029 Jun 24 j 04:49	20° \mathring{A} 57'05	-0°18'39	minimum elong	-1022 Jan 16 j 01:35	17° \mathring{B} 06'29	0°33'31
direct	-1029 Sep 08 j 14:50	18° \mathring{A} 59'37		max. Earth dist.	-1022 Jan 17 j 05:10	17° \mathring{B} 10'27	21.03000 AU
evening set	-1029 Dec 08 j 03:02	22° \mathring{A} 03'14		morning rise	-1022 Jan 31 j 22:29	18° \mathring{B} 00'51	
conjunction	-1029 Dec 23 j 17:45	22° \mathring{A} 57'44	-0°18'21	retrograde	-1022 May 05 j 22:58	21° \mathring{B} 07'38	
minimum elong	-1029 Dec 23 j 17:45	22° \mathring{A} 57'44	0°18'21	min. Earth dist.	-1022 Jul 22 j 02:16	19° \mathring{B} 11'11	19.04425 AU
max. Earth dist.	-1029 Dec 24 j 19:06	23° \mathring{A} 01'27	20.78911 AU	opposition	-1022 Jul 23 j 05:13	19° \mathring{B} 08'30	-0°38'09
morning rise	-1028 Jan 08 j 10:35	23° \mathring{A} 52'33		direct	-1022 Oct 07 j 01:37	17° \mathring{B} 12'07	
retrograde	-1028 Apr 10 j 21:10	27° \mathring{A} 01'20		evening set	-1021 Jan 04 j 11:55	20° \mathring{B} 10'35	
opposition	-1028 Jun 27 j 17:06	25° \mathring{A} 02'19	-0°21'53	conjunction	-1021 Jan 20 j 06:14	21° \mathring{B} 04'28	-0°35'29
min. Earth dist.	-1028 Jun 26 j 15:30	25° \mathring{A} 04'53	18.81546 AU	minimum elong	-1021 Jan 20 j 06:13	21° \mathring{B} 04'28	0°35'29
direct	-1028 Sep 12 j 02:00	23° \mathring{A} 05'07		max. Earth dist.	-1021 Jan 21 j 10:44	21° \mathring{B} 08'33	21.05662 AU
evening set	-1028 Dec 11 j 08:49	26° \mathring{A} 07'49		morning rise	-1021 Feb 05 j 03:50	21° \mathring{B} 58'49	
conjunction	-1028 Dec 26 j 23:56	27° \mathring{A} 02'12	-0°21'12	retrograde	-1021 May 10 j 05:50	25° \mathring{B} 05'23	
minimum elong	-1028 Dec 26 j 23:56	27° \mathring{A} 02'12	0°21'14	min. Earth dist.	-1021 Jul 26 j 10:51	23° \mathring{B} 08'54	19.06910 AU
max. Earth dist.	-1028 Dec 28 j 02:28	27° \mathring{A} 06'04	20.84012 AU	opposition	-1021 Jul 27 j 13:19	23° \mathring{B} 06'15	-0°40'14
morning rise	-1027 Jan 11 j 17:13	27° \mathring{A} 56'53		direct	-1021 Oct 11 j 06:59	21° \mathring{B} 10'00	
retrograde	-1027 Feb 21 j 21:10	0° \mathring{B}		evening set	-1020 Jan 08 j 15:40	24° \mathring{B} 08'00	
retrograde	-1027 Apr 15 j 05:15	1° \mathring{B} 05'17		conjunction	-1020 Jan 24 j 10:36	25° \mathring{B} 01'52	-0°37'18
min. Earth dist.	-1027 Jun 08 j 22:39	30° \mathring{R} \mathring{A}		minimum elong	-1020 Jan 24 j 10:36	25° \mathring{B} 01'52	0°37'19
opposition	-1027 Jul 01 j 03:41	29° \mathring{A} 08'49	18.86423 AU	max. Earth dist.	-1020 Jan 25 j 14:23	25° \mathring{B} 05'51	21.07973 AU
direct	-1027 Jul 02 j 04:50	29° \mathring{A} 06'18	-0°25'00	morning rise	-1020 Feb 09 j 09:08	25° \mathring{B} 56'13	
evening set	-1027 Sep 16 j 11:09	27° \mathring{A} 09'19		retrograde	-1020 May 13 j 14:29	29° \mathring{B} 02'40	
evening set	-1027 Dec 12 j 07:13	0° \mathring{B}		opposition	-1020 Jul 30 j 21:01	27° \mathring{B} 03'32	-0°42'08
evening set	-1027 Dec 15 j 14:11	0° \mathring{B} 11'09		min. Earth dist.	-1020 Jul 29 j 18:08	27° \mathring{B} 06'13	19.09037 AU
conjunction	-1027 Dec 31 j 05:39	1° \mathring{B} 05'24	-0°23'57	direct	-1020 Oct 14 j 12:30	25° \mathring{B} 07'22	
minimum elong	-1027 Dec 31 j 05:39	1° \mathring{B} 05'24	0°23'58	evening set	-1019 Jan 11 j 19:29	28° \mathring{B} 05'02	
max. Earth dist.	-1026 Jan 01 j 07:53	1° \mathring{B} 09'13	20.88663 AU	conjunction	-1019 Jan 27 j 15:15	28° \mathring{B} 58'54	-0°38'56
morning rise	-1026 Jan 15 j 23:41	2° \mathring{B} 00'00		minimum elong	-1019 Jan 27 j 15:15	28° \mathring{B} 58'54	0°38'56
retrograde	-1026 Apr 19 j 15:24	5° \mathring{B} 08'00		max. Earth dist.	-1019 Jan 28 j 19:46	29° \mathring{B} 02'58	21.09898 AU
opposition	-1026 Jul 06 j 15:47	3° \mathring{B} 09'01	-0°27'57	morning rise	-1019 Feb 12 j 14:34	29° \mathring{B} 53'16	
min. Earth dist.	-1026 Jul 05 j 13:37	3° \mathring{B} 11'37	18.90842 AU	retrograde	-1019 Feb 14 j 15:01	0° \mathring{B}	
direct	-1026 Sep 20 j 20:42	1° \mathring{B} 12'12		retrograde	-1019 May 17 j 21:14	2° \mathring{B} 59'38	
evening set	-1026 Dec 19 j 19:08	4° \mathring{B} 13'12		min. Earth dist.	-1019 Aug 03 j 02:14	1° \mathring{B} 03'08	19.10762 AU
conjunction	-1025 Jan 04 j 11:07	5° \mathring{B} 07'21	-0°26'34	opposition	-1019 Aug 04 j 04:20	1° \mathring{B} 00'31	-0°43'51

Attention, astronomical year style is used: The year -1019 in astronomical counting style is the year 1020 BCE in historical counting style.

	-1019 Aug 30 j 16:09	30° \approx 30	conjunction	-1012 Feb 25 j 06:06	26° \approx 39'25	-0°44'55
direct	-1019 Oct 18 j 17:07	29° \approx 30'428	minimum elong	-1012 Feb 25 j 06:06	26° \approx 39'25	0°44'55
	-1019 Dec 04 j 21:21	0° \approx	max. Earth dist.	-1012 Feb 26 j 03:17	26° \approx 42'25	21.09543 AU
evening set	-1018 Jan 15 j 23:27	2° \approx 01'51	morning rise	-1012 Mar 12 j 12:14	27° \approx 34'24	
				-1012 May 04 j 11:45	0° \approx	
conjunction	-1018 Jan 31 j 19:57	2° \approx 55'44 -0°40'23	retrograde	-1012 Jun 15 j 06:34	0° \approx 41'15	
minimum elong	-1018 Jan 31 j 19:57	2° \approx 55'44 0°40'24		-1012 Jul 27 j 20:54	30° \approx	
max. Earth dist.	-1018 Feb 01 j 23:22	2° \approx 59'39 21.11422 AU	min. Earth dist.	-1012 Aug 31 j 06:39	28° \approx 43'46	19.08507 AU
morning rise	-1018 Feb 16 j 20:18	3° \approx 50'09	opposition	-1012 Sep 01 j 01:49	28° \approx 41'50	-0°49'39
retrograde	-1018 May 22 j 06:13	6° \approx 56'29	direct	-1012 Nov 15 j 00:11	26° \approx 45'34	
min. Earth dist.	-1018 Aug 07 j 09:25	4° \approx 59'59 19.12063 AU	evening set	-1011 Feb 12 j 09:59	29° \approx 43'05	
opposition	-1018 Aug 08 j 11:23	4° \approx 57'23 -0°45'20		-1011 Feb 17 j 11:16	0° \approx	
direct	-1018 Oct 22 j 21:51	3° \approx 01'24				
evening set	-1017 Jan 20 j 03:32	5° \approx 58'36	conjunction	-1011 Feb 28 j 13:04	0° \approx 37'39	-0°44'56
			minimum elong	-1011 Feb 28 j 13:04	0° \approx 37'39	0°44'57
conjunction	-1017 Feb 05 j 00:55	6° \approx 52'33 -0°41'39	max. Earth dist.	-1011 Mar 01 j 09:49	0° \approx 40'35	21.07273 AU
minimum elong	-1017 Feb 05 j 00:55	6° \approx 52'33 0°41'40	morning rise	-1011 Mar 16 j 20:03	1° \approx 32'46	
max. Earth dist.	-1017 Feb 06 j 04:39	6° \approx 56'30 21.12478 AU	retrograde	-1011 Jun 19 j 14:00	4° \approx 39'48	
morning rise	-1017 Feb 21 j 02:03	7° \approx 47'01	opposition	-1011 Sep 05 j 07:40	2° \approx 40'14	-0°49'33
retrograde	-1017 May 26 j 12:59	10° \approx 53'21	min. Earth dist.	-1011 Sep 04 j 13:56	2° \approx 42'02	19.05996 AU
opposition	-1017 Aug 12 j 18:08	8° \approx 54'16 -0°46'38	direct	-1011 Nov 19 j 04:16	0° \approx 43'47	
min. Earth dist.	-1017 Aug 11 j 17:18	8° \approx 56'46 19.12872 AU	evening set	-1010 Feb 16 j 16:17	3° \approx 41'34	
direct	-1017 Oct 27 j 02:20	6° \approx 58'22				
evening set	-1016 Jan 24 j 07:56	9° \approx 55'28	conjunction	-1010 Mar 04 j 20:18	4° \approx 36'18	-0°44'44
			minimum elong	-1010 Mar 04 j 20:18	4° \approx 36'18	0°44'44
conjunction	-1016 Feb 09 j 06:06	10° \approx 49'27 -0°42'43	max. Earth dist.	-1010 Mar 05 j 14:47	4° \approx 38'55	21.04553 AU
minimum elong	-1016 Feb 09 j 06:06	10° \approx 49'27 0°42'44	morning rise	-1010 Mar 21 j 04:25	5° \approx 31'35	
max. Earth dist.	-1016 Feb 10 j 08:15	10° \approx 53'11 21.13043 AU	retrograde	-1010 Jun 23 j 23:39	8° \approx 38'50	
morning rise	-1016 Feb 25 j 08:16	11° \approx 44'00	opposition	-1010 Sep 09 j 13:34	6° \approx 39'06	-0°49'13
retrograde	-1016 May 29 j 21:58	14° \approx 50'24	min. Earth dist.	-1010 Sep 08 j 21:04	6° \approx 40'47	19.03064 AU
min. Earth dist.	-1016 Aug 15 j 00:34	12° \approx 53'44 19.13171 AU	direct	-1010 Nov 23 j 09:16	4° \approx 42'26	
opposition	-1016 Aug 16 j 00:47	12° \approx 51'18 -0°47'42	evening set	-1009 Feb 20 j 22:53	7° \approx 40'36	
direct	-1016 Oct 30 j 06:23	10° \approx 55'25				
evening set	-1015 Jan 27 j 12:29	13° \approx 52'29	conjunction	-1009 Mar 09 j 04:00	8° \approx 35'30	-0°44'19
			minimum elong	-1009 Mar 09 j 04:01	8° \approx 35'30	0°44'19
conjunction	-1015 Feb 12 j 11:38	14° \approx 46'34 -0°43'35	max. Earth dist.	-1009 Mar 09 j 22:07	8° \approx 38'05	21.01414 AU
minimum elong	-1015 Feb 12 j 11:38	14° \approx 46'34 0°43'36	morning rise	-1009 Mar 25 j 12:56	9° \approx 30'58	
max. Earth dist.	-1015 Feb 13 j 13:39	14° \approx 50'15 21.13050 AU	retrograde	-1009 Jun 28 j 07:44	12° \approx 38'28	
	-1015 Feb 16 j 10:08	15° \approx	opposition	-1009 Sep 13 j 19:30	10° \approx 38'36	-0°48'38
morning rise	-1015 Feb 28 j 14:41	15° \approx 41'11	min. Earth dist.	-1009 Sep 13 j 04:16	10° \approx 40'10	18.99733 AU
retrograde	-1015 Jun 03 j 05:10	18° \approx 47'40	direct	-1009 Nov 27 j 13:16	8° \approx 41'43	
min. Earth dist.	-1015 Aug 19 j 08:30	16° \approx 50'51 19.12882 AU	evening set	-1008 Feb 25 j 06:08	11° \approx 40'19	
opposition	-1015 Aug 20 j 07:18	16° \approx 48'33 -0°48'32				
	-1015 Oct 17 j 10:22	15° \approx	conjunction	-1008 Mar 12 j 12:11	12° \approx 35'25	-0°43'40
direct	-1015 Nov 03 j 11:07	14° \approx 52'40	minimum elong	-1008 Mar 12 j 12:11	12° \approx 35'25	0°43'41
	-1015 Nov 20 j 07:22	15° \approx	max. Earth dist.	-1008 Mar 13 j 03:57	12° \approx 37'40	20.97919 AU
evening set	-1014 Jan 31 j 17:32	17° \approx 49'44	morning rise	-1008 Mar 28 j 22:13	13° \approx 31'04	
			retrograde	-1008 Jul 01 j 17:43	16° \approx 38'53	
conjunction	-1014 Feb 16 j 17:33	18° \approx 43'55 -0°44'15	min. Earth dist.	-1008 Sep 16 j 11:39	14° \approx 40'18	18.96069 AU
minimum elong	-1014 Feb 16 j 17:33	18° \approx 43'55 0°44'14	opposition	-1008 Sep 17 j 01:33	14° \approx 38'52	-0°47'49
max. Earth dist.	-1014 Feb 17 j 17:23	18° \approx 47'18 21.12473 AU	direct	-1008 Nov 30 j 18:33	12° \approx 41'46	
morning rise	-1014 Mar 04 j 21:41	19° \approx 38'39	evening set	-1007 Feb 28 j 13:50	15° \approx 40'52	
retrograde	-1014 Jun 07 j 14:06	22° \approx 45'13				
opposition	-1014 Aug 24 j 13:31	20° \approx 46'03 -0°49'09	conjunction	-1007 Mar 16 j 21:04	16° \approx 36'12	-0°42'50
min. Earth dist.	-1014 Aug 23 j 15:46	20° \approx 48'14 19.12003 AU	minimum elong	-1007 Mar 16 j 21:05	16° \approx 36'12	0°42'49
direct	-1014 Nov 07 j 15:02	18° \approx 50'04	max. Earth dist.	-1007 Mar 17 j 12:22	16° \approx 38'23	20.94083 AU
evening set	-1013 Feb 04 j 22:45	21° \approx 47'14	morning rise	-1007 Apr 02 j 07:56	17° \approx 32'03	
			retrograde	-1007 Jul 06 j 03:07	20° \approx 40'12	
conjunction	-1013 Feb 20 j 23:48	22° \approx 41'32 -0°44'42	opposition	-1007 Sep 21 j 07:47	18° \approx 40'05	-0°46'46
minimum elong	-1013 Feb 20 j 23:48	22° \approx 41'32 0°44'42	min. Earth dist.	-1007 Sep 20 j 19:13	18° \approx 41'22	18.92060 AU
max. Earth dist.	-1013 Feb 21 j 23:09	22° \approx 44'50 21.11288 AU	direct	-1007 Dec 04 j 23:32	16° \approx 42'45	
morning rise	-1013 Mar 09 j 04:48	23° \approx 36'22	evening set	-1006 Mar 04 j 22:23	19° \approx 42'28	
retrograde	-1013 Jun 11 j 21:20	26° \approx 43'04				
opposition	-1013 Aug 28 j 19:42	24° \approx 43'48 -0°49'31	conjunction	-1006 Mar 21 j 06:32	20° \approx 38'01	-0°41'46
min. Earth dist.	-1013 Aug 27 j 23:25	24° \approx 45'50 19.10520 AU	minimum elong	-1006 Mar 21 j 06:32	20° \approx 38'01	0°41'46
direct	-1013 Nov 11 j 19:44	22° \approx 47'42	max. Earth dist.	-1006 Mar 21 j 19:12	20° \approx 39'49	20.89927 AU
evening set	-1012 Feb 09 j 04:08	25° \approx 45'00	morning rise	-1006 Apr 06 j 18:28	21° \approx 34'06	

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Attention, astronomical year style is used: The year -1006 in astronomical counting style is the year 1007 BCE in historical counting style.

retrograde	-1006 Jul 10 j 13:23	24° H 42'38		evening set	-999 Apr 03 j 08:33	18° Y 33'02	
opposition	-1006 Sep 25 j 14:10	22° H 42'24	-0°45'29				
min. Earth dist.	-1006 Sep 25 j 03:12	22° H 43'31	18.87743 AU	conjunction	-999 Apr 19 j 23:38	19° Y 30'32	-0°28'35
direct	-1006 Dec 09 j 04:45	20° H 44'50		minimum elong	-999 Apr 19 j 23:38	19° Y 30'32	0°28'35
evening set	-1005 Mar 09 j 07:29	23° H 45'15		max. Earth dist.	-999 Apr 19 j 22:15	19° Y 30'20	20.51118 AU
				morning rise	-999 May 06 j 16:50	20° Y 28'23	
conjunction	-1005 Mar 25 j 16:48	24° H 41'02	-0°40'30	retrograde	-999 Aug 09 j 01:46	23° Y 40'26	
minimum elong	-1005 Mar 25 j 16:48	24° H 41'02	0°40'29	opposition	-999 Oct 23 j 22:19	21° Y 39'19	-0°30'12
max. Earth dist.	-1005 Mar 26 j 04:49	24° H 42'45	20.85449 AU	min. Earth dist.	-999 Oct 24 j 00:24	21° Y 39'06	18.47680 AU
morning rise	-1005 Apr 11 j 05:28	25° H 37'21		direct	-998 Jan 06 j 12:07	19° Y 39'33	
retrograde	-1005 Jul 15 j 00:12	28° H 46'19		evening set	-998 Apr 07 j 23:52	22° Y 46'30	
opposition	-1005 Sep 29 j 20:56	26° H 45'59	-0°43'59				
min. Earth dist.	-1005 Sep 29 j 11:24	26° H 46'58	18.83097 AU	conjunction	-998 Apr 24 j 15:34	23° Y 44'18	-0°25'57
direct	-1005 Dec 13 j 11:06	24° H 48'13		minimum elong	-998 Apr 24 j 15:34	23° Y 44'18	0°25'56
evening set	-1004 Mar 12 j 17:23	27° H 49'22		max. Earth dist.	-998 Apr 24 j 10:43	23° Y 43'36	20.44224 AU
				morning rise	-998 May 11 j 09:28	24° Y 42'26	
conjunction	-1004 Mar 29 j 03:36	28° H 45'25	-0°39'01	retrograde	-998 Aug 13 j 15:22	27° Y 55'02	
minimum elong	-1004 Mar 29 j 03:36	28° H 45'25	0°39'01	opposition	-998 Oct 28 j 08:10	25° Y 53'43	-0°27'12
max. Earth dist.	-1004 Mar 29 j 12:44	28° H 46'44	20.80653 AU	min. Earth dist.	-998 Oct 28 j 12:41	25° Y 53'14	18.40689 AU
morning rise	-1004 Apr 14 j 17:19	29° H 41'58		direct	-997 Jan 10 j 22:29	23° Y 53'30	
	-1004 Apr 20 j 03:37	0° Y		evening set	-997 Apr 12 j 15:50	27° Y 01'35	
retrograde	-1004 Jul 18 j 10:59	2° Y 51'25					
opposition	-1004 Oct 03 j 04:06	0° Y 51'00	-0°42'14	conjunction	-997 Apr 29 j 08:29	27° Y 59'43	-0°23'09
min. Earth dist.	-1004 Oct 02 j 20:33	0° Y 51'47	18.78127 AU	minimum elong	-997 Apr 29 j 08:29	27° Y 59'43	0°23'08
	-1004 Oct 24 j 09:13	30° R H		max. Earth dist.	-997 Apr 29 j 02:39	27° Y 58'52	20.37154 AU
direct	-1004 Dec 16 j 16:55	28° H 52'58		morning rise	-997 May 16 j 02:41	28° Y 58'07	
	-1003 Feb 06 j 13:57	0° Y			-997 Jun 03 j 23:09	0° R	
evening set	-1003 Mar 17 j 04:15	1° Y 54'58		retrograde	-997 Aug 18 j 05:57	2° R 11'17	
				opposition	-997 Nov 01 j 18:32	0° R 09'47	-0°24'01
conjunction	-1003 Apr 02 j 15:36	2° Y 51'18	-0°37'19	min. Earth dist.	-997 Nov 02 j 00:10	0° R 09'11	18.33554 AU
minimum elong	-1003 Apr 02 j 15:36	2° Y 51'18	0°37'19		-997 Nov 05 j 14:48	30° R Y	
max. Earth dist.	-1003 Apr 02 j 23:43	2° Y 52'27	20.75500 AU	direct	-996 Jan 15 j 10:06	28° Y 09'07	
morning rise	-1003 Apr 19 j 05:59	3° Y 48'06			-996 Mar 23 j 02:29	0° R	
retrograde	-1003 Jul 22 j 23:02	6° Y 58'01		evening set	-996 Apr 16 j 08:47	1° R 18'23	
opposition	-1003 Oct 07 j 11:30	4° Y 57'31	-0°40'15				
min. Earth dist.	-1003 Oct 07 j 05:41	4° Y 58'08	18.72781 AU	conjunction	-996 May 03 j 01:58	2° R 16'49	-0°20'13
direct	-1003 Dec 21 j 00:40	2° Y 59'14		minimum elong	-996 May 03 j 01:58	2° R 16'49	0°20'12
evening set	-1002 Mar 21 j 16:09	6° Y 02'08		max. Earth dist.	-996 May 02 j 16:58	2° R 15'30	20.29981 AU
				morning rise	-996 May 19 j 20:46	3° R 15'30	
conjunction	-1002 Apr 07 j 04:19	6° Y 58'44	-0°35'26	retrograde	-996 Aug 21 j 20:31	6° R 29'15	
minimum elong	-1002 Apr 07 j 04:19	6° Y 58'44	0°35'25	opposition	-996 Nov 05 j 05:34	4° R 27'34	-0°20'42
max. Earth dist.	-1002 Apr 07 j 09:01	6° Y 59'24	20.69972 AU	min. Earth dist.	-996 Nov 05 j 13:35	4° R 26'43	18.26361 AU
morning rise	-1002 Apr 23 j 19:38	7° Y 55'47		direct	-995 Jan 18 j 21:55	2° R 26'28	
retrograde	-1002 Jul 27 j 10:39	11° Y 06'15		evening set	-995 Apr 21 j 02:37	5° R 36'58	
opposition	-1002 Oct 11 j 19:33	9° Y 05'37	-0°38'03				
min. Earth dist.	-1002 Oct 11 j 16:03	9° Y 05'59	18.67057 AU	conjunction	-995 May 07 j 20:35	6° R 35'43	-0°17'09
direct	-1002 Dec 25 j 07:55	7° Y 07'01		minimum elong	-995 May 07 j 20:35	6° R 35'43	0°17'07
evening set	-1001 Mar 26 j 04:38	10° Y 10'51		max. Earth dist.	-995 May 07 j 10:43	6° R 34'16	20.22775 AU
				morning rise	-995 May 24 j 15:33	7° R 34'40	
conjunction	-1001 Apr 11 j 17:53	11° Y 07'45	-0°33'20	retrograde	-995 Aug 26 j 12:37	10° R 49'00	
minimum elong	-1001 Apr 11 j 17:53	11° Y 07'45	0°33'20	opposition	-995 Nov 09 j 17:03	8° R 47'10	-0°17'14
max. Earth dist.	-1001 Apr 11 j 21:20	11° Y 08'15	20.64045 AU	min. Earth dist.	-995 Nov 10 j 01:58	8° R 46'13	18.19160 AU
morning rise	-1001 Apr 28 j 09:44	12° Y 05'04		direct	-994 Jan 23 j 11:14	6° R 45'38	
retrograde	-1001 Jul 31 j 23:28	15° Y 16'03		evening set	-994 Apr 25 j 21:33	9° R 57'25	
opposition	-1001 Oct 16 j 04:02	13° Y 15'17	-0°35'39				
min. Earth dist.	-1001 Oct 16 j 02:10	13° Y 15'29	18.60930 AU	conjunction	-994 May 12 j 15:53	10° R 56'28	-0°13'58
direct	-1001 Dec 29 j 16:59	11° Y 16'20		minimum elong	-994 May 12 j 15:53	10° R 56'28	0°13'58
evening set	-1000 Mar 29 j 18:14	14° Y 21'09		behind sun begin	-994 May 12 j 12:39	10° R 56'00	
				behind sun end	-994 May 12 j 19:07	10° R 56'56	
conjunction	-1000 Apr 15 j 08:15	15° Y 18'21	-0°31'03	max. Earth dist.	-994 May 12 j 03:04	10° R 54'35	20.15599 AU
minimum elong	-1000 Apr 15 j 08:15	15° Y 18'21	0°31'02	morning rise	-994 May 29 j 11:11	11° R 55'42	
max. Earth dist.	-1000 Apr 15 j 08:06	15° Y 18'20	20.57747 AU		-994 Aug 11 j 02:21	15° R	
morning rise	-1000 May 02 j 00:58	16° Y 15'56		retrograde	-994 Aug 31 j 04:22	15° R 10'39	
retrograde	-1000 Aug 04 j 12:11	19° Y 27'27			-994 Sep 20 j 10:57	15° R R	
opposition	-1000 Oct 19 j 12:57	17° Y 26'31	-0°33'01	opposition	-994 Nov 14 j 05:29	13° R 08'41	-0°13'39
min. Earth dist.	-1000 Oct 19 j 13:33	17° Y 26'27	18.54459 AU	min. Earth dist.	-994 Nov 14 j 16:40	13° R 07'30	18.12033 AU
direct	-999 Jan 02 j 01:49	15° Y 27'09		direct	-993 Jan 28 j 00:06	11° R 06'44	

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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.

evening set	-993 Apr 30 j 17:02	14° 8 19'49		conjunction	-988 Jun 09 j 06:28	7° II 44'30	0°06'46
	-993 May 12 j 02:53	15° 8		minimum elong	-988 Jun 09 j 06:27	7° II 44'30	0°06'48
				behind sun begin	-988 Jun 09 j 00:09	7° II 43'34	
conjunction	-993 May 17 j 11:59	15° 8 19'11	-0°10'41	behind sun end	-988 Jun 09 j 12:46	7° II 45'26	
minimum elong	-993 May 17 j 11:59	15° 8 19'11	0°10'40	morning rise	-988 Jun 26 j 01:06	8° II 45'10	
behind sun begin	-993 May 17 j 06:50	15° 8 18'26		retrograde	-988 Sep 27 j 00:43	12° II 03'50	
behind sun end	-993 May 17 j 17:09	15° 8 19'56		opposition	-988 Dec 10 j 00:05	10° II 01'33	0°09'25
max. Earth dist.	-993 May 16 j 22:29	15° 8 17'11	20.08523 AU	min. Earth dist.	-988 Dec 10 j 20:21	9° II 59'21	17.72072 AU
morning rise	-993 Jun 03 j 07:20	16° 8 18'40		direct	-987 Feb 23 j 02:38	7° II 57'26	
retrograde	-993 Sep 04 j 22:39	19° 8 34'16		evening set	-987 May 28 j 12:08	11° II 18'39	
opposition	-993 Nov 18 j 18:31	17° 8 32'12	-0°09'58	max. Earth dist.	-987 Jun 13 j 07:06	12° II 15'55	19.68961 AU
min. Earth dist.	-993 Nov 19 j 06:17	17° 8 30'56	18.05014 AU				
direct	-992 Feb 01 j 15:11	15° 8 29'52		conjunction	-987 Jun 14 j 07:49	12° II 19'41	0°10'16
evening set	-992 May 04 j 13:52	18° 8 44'17		minimum elong	-987 Jun 14 j 07:48	12° II 19'41	0°10'17
				behind sun begin	-987 Jun 14 j 02:30	12° II 18'53	
conjunction	-992 May 21 j 09:05	19° 8 43'57	-0°07'20	behind sun end	-987 Jun 14 j 13:07	12° II 20'28	
minimum elong	-992 May 21 j 09:05	19° 8 43'57	0°07'20	morning rise	-987 Jul 01 j 02:03	13° II 20'33	
behind sun begin	-992 May 21 j 02:53	19° 8 43'03		retrograde	-987 Oct 01 j 22:41	16° II 39'45	
behind sun end	-992 May 21 j 15:16	19° 8 44'51		opposition	-987 Dec 14 j 18:02	14° II 37'24	0°13'18
max. Earth dist.	-992 May 20 j 16:54	19° 8 41'33	20.01572 AU	min. Earth dist.	-987 Dec 15 j 14:41	14° II 35'09	17.65911 AU
morning rise	-992 Jun 07 j 04:35	20° 8 43'43		direct	-986 Feb 27 j 23:34	12° II 32'54	
retrograde	-992 Sep 08 j 15:52	23° 8 59'56		evening set	-986 Jun 02 j 14:19	15° II 55'22	
opposition	-992 Nov 22 j 08:20	21° 8 57'49	-0°06'11	max. Earth dist.	-986 Jun 18 j 07:46	16° II 52'39	19.62891 AU
min. Earth dist.	-992 Nov 22 j 22:30	21° 8 56'17	17.98145 AU				
direct	-991 Feb 05 j 05:18	19° 8 55'06		conjunction	-986 Jun 19 j 09:49	16° II 56'38	0°13'43
evening set	-991 May 09 j 11:35	23° 8 10'54		minimum elong	-986 Jun 19 j 09:48	16° II 56'38	0°13'44
				behind sun begin	-986 Jun 19 j 06:22	16° II 56'07	
conjunction	-991 May 26 j 07:14	24° 8 10'53	-0°03'54	behind sun end	-986 Jun 19 j 13:15	16° II 57'08	
minimum elong	-991 May 26 j 07:13	24° 8 10'52	0°03'54	morning rise	-986 Jul 06 j 03:24	17° II 57'39	
behind sun begin	-991 May 26 j 00:31	24° 8 09'54		retrograde	-986 Oct 06 j 19:25	21° II 17'21	
behind sun end	-991 May 26 j 13:55	24° 8 11'51		opposition	-986 Dec 19 j 13:00	19° II 14'55	0°17'08
max. Earth dist.	-991 May 25 j 14:02	24° 8 08'19	19.94779 AU	min. Earth dist.	-986 Dec 20 j 11:44	19° II 12'26	17.59967 AU
morning rise	-991 Jun 12 j 02:37	25° 8 10'53		direct	-985 Mar 04 j 20:06	17° II 10'03	
retrograde	-991 Sep 13 j 12:11	28° 8 27'44		evening set	-985 Jun 07 j 17:00	20° II 33'44	
opposition	-991 Nov 26 j 22:56	26° 8 25'35	-0°02'20	max. Earth dist.	-985 Jun 23 j 08:29	21° II 30'55	19.57083 AU
min. Earth dist.	-991 Nov 27 j 13:40	26° 8 23'59	17.91421 AU				
direct	-990 Feb 09 j 21:52	24° 8 22'32		conjunction	-985 Jun 24 j 12:07	21° II 35'10	0°17'07
evening set	-990 May 14 j 10:21	27° 8 39'42		minimum elong	-985 Jun 24 j 12:07	21° II 35'10	0°17'08
max. Earth dist.	-990 May 30 j 10:27	28° 8 37'02	19.88118 AU	morning rise	-985 Jul 11 j 05:14	22° II 36'21	
				retrograde	-985 Oct 11 j 17:46	25° II 56'31	
conjunction	-990 May 31 j 06:03	28° 8 39'58	-0°00'22	opposition	-985 Dec 24 j 08:31	23° II 53'59	0°20'52
minimum elong	-990 May 31 j 06:02	28° 8 39'58	0°00'20	min. Earth dist.	-985 Dec 25 j 07:23	23° II 51'29	17.54308 AU
behind sun begin	-990 May 30 j 23:16	28° 8 38'59		direct	-984 Mar 08 j 19:13	21° II 48'45	
behind sun end	-990 May 31 j 12:48	28° 8 40'57		evening set	-984 Jun 11 j 20:24	25° II 13'34	
morning rise	-990 Jun 17 j 01:17	29° 8 40'13		max. Earth dist.	-984 Jun 27 j 11:06	26° II 10'52	19.51578 AU
	-990 Jun 22 j 17:21	0° II					
asc. node	-990 Jul 06 j 13:30	0° II 46'01		conjunction	-984 Jun 28 j 15:11	26° II 15'12	0°20'25
retrograde	-990 Sep 18 j 07:10	2° II 57'42		minimum elong	-984 Jun 28 j 15:11	26° II 15'11	0°20'25
opposition	-990 Dec 01 j 14:30	0° II 55'31	0°01'34	morning rise	-984 Jul 15 j 07:26	27° II 16'29	
min. Earth dist.	-990 Dec 02 j 07:44	0° II 53'39	17.84840 AU		-984 Sep 08 j 18:53	0° III	
	-990 Dec 23 j 18:29	30° 8 8		retrograde	-984 Oct 15 j 15:24	0° III 37'03	
direct	-989 Feb 14 j 13:58	28° 8 52'07			-984 Nov 22 j 02:27	30° 8 II	
	-989 Apr 07 j 06:24	0° II		opposition	-984 Dec 28 j 04:50	28° II 34'28	0°24'29
evening set	-989 May 19 j 10:00	2° II 10'40		min. Earth dist.	-984 Dec 29 j 05:21	28° II 31'47	17.48994 AU
max. Earth dist.	-989 Jun 04 j 08:55	3° II 08'03	19.81604 AU	direct	-983 Mar 13 j 17:51	26° II 28'52	
				evening set	-983 Jun 17 j 00:21	29° II 54'47	
conjunction	-989 Jun 05 j 05:51	3° II 11'12	0°03'15		-983 Jun 18 j 10:50	0° III	
minimum elong	-989 Jun 05 j 05:50	3° II 11'12	0°03'15				
behind sun begin	-989 Jun 04 j 23:05	3° II 10'13		conjunction	-983 Jul 03 j 18:29	0° III 56'33	0°23'35
behind sun end	-989 Jun 05 j 12:35	3° II 12'12		minimum elong	-983 Jul 03 j 18:29	0° III 56'33	0°23'36
morning rise	-989 Jun 22 j 00:50	4° II 11'41		max. Earth dist.	-983 Jul 02 j 12:52	0° III 51'58	19.46470 AU
retrograde	-989 Sep 23 j 04:32	7° II 29'46		morning rise	-983 Jul 20 j 10:05	1° III 57'57	
opposition	-989 Dec 06 j 06:45	5° II 27'33	0°05'30	retrograde	-983 Oct 20 j 14:26	5° III 18'54	
min. Earth dist.	-989 Dec 07 j 00:32	5° II 25'37	17.78391 AU	opposition	-982 Jan 02 j 01:51	3° III 16'14	0°27'57
direct	-988 Feb 19 j 08:18	3° II 23'48		min. Earth dist.	-982 Jan 03 j 02:12	3° III 13'34	17.44113 AU
evening set	-988 May 23 j 10:39	6° II 43'42		direct	-982 Mar 18 j 18:40	1° III 10'18	
max. Earth dist.	-988 Jun 08 j 07:25	7° II 41'00	19.75207 AU	evening set	-982 Jun 22 j 04:24	4° III 37'14	

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Attention, astronomical year style is used: The year -982 in astronomical counting style is the year 983 BCE in historical counting style.

conjunction	-982 Jul 08 j 22:01	5° $\overline{53}$ 9'07	0°26'37	retrograde	-976 Nov 22 j 17:54	8° $\overline{29}$ 39'58	
minimum elong	-982 Jul 08 j 22:01	5° $\overline{53}$ 9'07	0°26'37	opposition	-975 Feb 03 j 23:45	6° $\overline{29}$ 37'42	0°46'02
max. Earth dist.	-982 Jul 07 j 17:02	5° $\overline{53}$ 34'37	19.41815 AU	min. Earth dist.	-975 Feb 04 j 23:00	6° $\overline{29}$ 35'10	17.26096 AU
morning rise	-982 Jul 25 j 12:33	6° $\overline{54}$ 40'36		direct	-975 Apr 21 j 09:08	4° $\overline{29}$ 31'01	
retrograde	-982 Oct 25 j 13:03	10° $\overline{50}$ 01'54		evening set	-975 Jul 26 j 15:55	8° $\overline{29}$ 02'40	
opposition	-981 Jan 06 j 23:42	7° $\overline{55}$ 59'11	0°31'15	max. Earth dist.	-975 Aug 10 j 23:45	9° $\overline{29}$ 00'21	19.25870 AU
min. Earth dist.	-981 Jan 08 j 00:55	7° $\overline{55}$ 56'25	17.39722 AU				
direct	-981 Mar 23 j 18:42	5° $\overline{55}$ 52'58		conjunction	-975 Aug 12 j 02:42	9° $\overline{29}$ 04'36	0°41'58
evening set	-981 Jun 27 j 09:00	9° $\overline{56}$ 20'51		minimum elong	-975 Aug 12 j 02:42	9° $\overline{29}$ 04'36	0°41'59
max. Earth dist.	-981 Jul 12 j 19:33	10° $\overline{56}$ 18'06	19.37699 AU	morning rise	-975 Aug 28 j 09:30	10° $\overline{29}$ 05'58	
				retrograde	-975 Nov 27 j 18:17	13° $\overline{29}$ 028'41	
conjunction	-981 Jul 14 j 01:44	10° $\overline{56}$ 22'49	0°29'28	opposition	-974 Feb 09 j 01:53	11° $\overline{29}$ 026'32	0°47'29
minimum elong	-981 Jul 14 j 01:44	10° $\overline{56}$ 22'49	0°29'28	min. Earth dist.	-974 Feb 10 j 01:08	11° $\overline{29}$ 024'00	17.25876 AU
morning rise	-981 Jul 30 j 15:29	11° $\overline{56}$ 24'21		direct	-974 Apr 26 j 11:52	9° $\overline{29}$ 19'54	
retrograde	-981 Oct 30 j 12:53	14° $\overline{56}$ 45'58		evening set	-974 Jul 31 j 20:44	12° $\overline{29}$ 051'44	
opposition	-980 Jan 11 j 21:58	12° $\overline{56}$ 43'13	0°34'20	max. Earth dist.	-974 Aug 16 j 04:49	13° $\overline{29}$ 049'31	19.25909 AU
min. Earth dist.	-980 Jan 12 j 22:51	12° $\overline{56}$ 40'30	17.35905 AU				
direct	-980 Mar 27 j 20:31	10° $\overline{56}$ 36'46		conjunction	-974 Aug 17 j 06:23	13° $\overline{29}$ 053'34	0°43'07
evening set	-980 Jul 01 j 13:46	14° $\overline{56}$ 05'32		minimum elong	-974 Aug 17 j 06:23	13° $\overline{29}$ 053'34	0°43'07
max. Earth dist.	-980 Jul 17 j 00:55	15° $\overline{56}$ 03'02	19.34174 AU	morning rise	-974 Sep 02 j 11:58	14° $\overline{29}$ 054'48	
					-974 Sep 03 j 21:42	15° $\overline{29}$	
conjunction	-980 Jul 18 j 05:53	15° $\overline{56}$ 07'34	0°32'08	retrograde	-974 Dec 02 j 20:17	18° $\overline{29}$ 017'31	
minimum elong	-980 Jul 18 j 05:53	15° $\overline{56}$ 07'34	0°32'09	opposition	-973 Feb 14 j 04:14	16° $\overline{29}$ 015'28	0°48'36
morning rise	-980 Aug 03 j 18:26	16° $\overline{56}$ 09'08		min. Earth dist.	-973 Feb 15 j 02:00	16° $\overline{29}$ 013'05	17.26158 AU
retrograde	-980 Nov 03 j 12:45	19° $\overline{56}$ 31'02			-973 Mar 17 j 05:04	15° $\overline{29}$ 00	
opposition	-979 Jan 15 j 21:10	17° $\overline{56}$ 28'19	0°37'12	direct	-973 May 01 j 17:56	14° $\overline{29}$ 008'55	
min. Earth dist.	-979 Jan 16 j 22:14	17° $\overline{56}$ 25'34	17.32689 AU		-973 Jun 15 j 04:27	15° $\overline{29}$	
direct	-979 Apr 01 j 21:56	15° $\overline{56}$ 21'43		evening set	-973 Aug 06 j 01:26	17° $\overline{29}$ 040'48	
evening set	-979 Jul 06 j 18:54	18° $\overline{56}$ 51'15		max. Earth dist.	-973 Aug 21 j 09:05	18° $\overline{29}$ 038'34	19.26440 AU
max. Earth dist.	-979 Jul 22 j 04:08	19° $\overline{56}$ 48'39	19.31278 AU				
				conjunction	-973 Aug 22 j 09:52	18° $\overline{29}$ 042'30	0°43'58
conjunction	-979 Jul 23 j 09:55	19° $\overline{56}$ 53'19	0°34'36	minimum elong	-973 Aug 22 j 09:52	18° $\overline{29}$ 042'30	0°43'58
minimum elong	-979 Jul 23 j 09:55	19° $\overline{56}$ 53'19	0°34'36	morning rise	-973 Sep 07 j 14:10	19° $\overline{29}$ 043'35	
morning rise	-979 Aug 08 j 21:30	20° $\overline{56}$ 54'54		retrograde	-973 Dec 07 j 19:32	23° $\overline{29}$ 006'13	
retrograde	-979 Nov 08 j 13:22	24° $\overline{56}$ 17'04		opposition	-972 Feb 19 j 06:49	21° $\overline{29}$ 004'15	0°49'23
opposition	-978 Jan 20 j 20:55	22° $\overline{56}$ 14'25	0°39'50	min. Earth dist.	-972 Feb 20 j 04:40	21° $\overline{29}$ 001'53	17.26945 AU
min. Earth dist.	-978 Jan 21 j 21:35	22° $\overline{56}$ 11'43	17.30123 AU	direct	-972 May 05 j 21:47	18° $\overline{29}$ 057'47	
direct	-978 Apr 07 j 00:10	20° $\overline{56}$ 07'42		evening set	-972 Aug 10 j 05:42	22° $\overline{29}$ 029'35	
evening set	-978 Jul 11 j 24:00	23° $\overline{56}$ 37'57					
max. Earth dist.	-978 Jul 27 j 10:04	24° $\overline{56}$ 35'36	19.29031 AU	conjunction	-972 Aug 26 j 12:53	23° $\overline{29}$ 031'07	0°44'30
				minimum elong	-972 Aug 26 j 12:53	23° $\overline{29}$ 031'07	0°44'30
conjunction	-978 Jul 28 j 14:12	24° $\overline{56}$ 40'02	0°36'49	max. Earth dist.	-972 Aug 25 j 13:11	23° $\overline{29}$ 027'21	19.27480 AU
minimum elong	-978 Jul 28 j 14:12	24° $\overline{56}$ 40'02	0°36'50	morning rise	-972 Sep 11 j 16:02	24° $\overline{29}$ 032'02	
morning rise	-978 Aug 14 j 00:33	25° $\overline{56}$ 41'35		retrograde	-972 Dec 11 j 20:52	27° $\overline{29}$ 054'31	
retrograde	-978 Nov 13 j 14:38	29° $\overline{56}$ 03'58		opposition	-971 Feb 23 j 09:37	25° $\overline{29}$ 052'37	0°49'48
opposition	-977 Jan 25 j 21:18	27° $\overline{56}$ 01'26	0°42'11	min. Earth dist.	-971 Feb 24 j 05:28	25° $\overline{29}$ 050'28	17.28223 AU
min. Earth dist.	-977 Jan 26 j 21:32	26° $\overline{56}$ 58'47	17.28187 AU	direct	-971 May 11 j 04:57	23° $\overline{29}$ 046'16	
direct	-977 Apr 12 j 02:39	24° $\overline{56}$ 54'42		evening set	-971 Aug 15 j 09:15	27° $\overline{29}$ 017'49	
evening set	-977 Jul 17 j 05:18	28° $\overline{56}$ 25'32					
				conjunction	-971 Aug 31 j 15:14	28° $\overline{29}$ 019'09	0°44'43
conjunction	-977 Aug 02 j 18:21	29° $\overline{56}$ 27'35	0°38'48	minimum elong	-971 Aug 31 j 15:15	28° $\overline{29}$ 019'09	0°44'43
minimum elong	-977 Aug 02 j 18:21	29° $\overline{56}$ 27'35	0°38'49	max. Earth dist.	-971 Aug 30 j 17:19	28° $\overline{29}$ 015'41	19.29011 AU
max. Earth dist.	-977 Aug 01 j 13:46	29° $\overline{56}$ 23'05	19.27405 AU	morning rise	-971 Sep 16 j 17:05	29° $\overline{29}$ 019'54	
	-977 Aug 11 j 08:18	0° $\overline{29}$			-971 Sep 27 j 18:01	0° $\overline{29}$	
morning rise	-977 Aug 19 j 03:39	0° $\overline{29}$ 29'07		retrograde	-971 Dec 16 j 19:24	2° $\overline{29}$ 42'10	
retrograde	-977 Nov 18 j 15:44	3° $\overline{29}$ 51'40		opposition	-970 Feb 28 j 12:40	0° $\overline{29}$ 40'20	0°49'52
opposition	-976 Jan 30 j 22:17	1° $\overline{29}$ 49'16	0°44'16	min. Earth dist.	-970 Mar 01 j 08:15	0° $\overline{29}$ 38'13	17.30012 AU
min. Earth dist.	-976 Jan 31 j 22:25	1° $\overline{29}$ 46'37	17.26865 AU		-970 Mar 16 j 09:01	30° $\overline{29}$ 00	
	-976 Mar 21 j 07:31	30° $\overline{29}$		direct	-970 May 16 j 08:59	28° $\overline{29}$ 034'05	
direct	-976 Apr 16 j 04:52	29° $\overline{56}$ 42'32			-970 Jul 13 j 18:19	0° $\overline{29}$	
	-976 May 11 j 21:23	0° $\overline{29}$		evening set	-970 Aug 20 j 12:13	2° $\overline{29}$ 05'16	
evening set	-976 Jul 21 j 10:35	3° $\overline{29}$ 13'50					
				conjunction	-970 Sep 05 j 16:54	3° $\overline{29}$ 06'23	0°44'38
conjunction	-976 Aug 06 j 22:38	4° $\overline{29}$ 15'52	0°40'32	minimum elong	-970 Sep 05 j 16:54	3° $\overline{29}$ 06'23	0°44'39
minimum elong	-976 Aug 06 j 22:38	4° $\overline{29}$ 15'52	0°40'32	max. Earth dist.	-970 Sep 04 j 20:04	3° $\overline{29}$ 03'05	19.31072 AU
max. Earth dist.	-976 Aug 05 j 19:35	4° $\overline{29}$ 11'35	19.26367 AU	morning rise	-970 Sep 21 j 17:44	4° $\overline{29}$ 06'56	
morning rise	-976 Aug 23 j 06:39	5° $\overline{29}$ 17'19		retrograde	-970 Dec 21 j 20:13	7° $\overline{29}$ 28'54	

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Attention, astronomical year style is used: The year -969 in astronomical counting style is the year 970 BCE in historical counting style.

opposition	-969 Mar 05 j 15:22	5° <u>൬</u> 27'07	0°49'36	conjunction	-963 Oct 08 j 06:03	6° <u>0</u> 01'12	0°35'54
min. Earth dist.	-969 Mar 06 j 08:31	5° <u>൬</u> 25'16	17.32331 AU	minimum elong	-963 Oct 08 j 06:03	6° <u>0</u> 01'12	0°35'54
direct	-969 May 21 j 15:15	3° <u>൬</u> 21'00		max. Earth dist.	-963 Oct 08 j 01:36	6° <u>0</u> 00'31	19.60820 AU
evening set	-969 Aug 25 j 14:20	6° <u>൬</u> 51'40		morning rise	-963 Oct 24 j 00:01	7° <u>0</u> 00'01	
				retrograde	-962 Jan 23 j 07:44	10° <u>0</u> 18'56	
conjunction	-969 Sep 10 j 17:57	7° <u>൬</u> 52'34	0°44'14	opposition	-962 Apr 08 j 05:59	8° <u>0</u> 18'01	0°38'45
minimum elong	-969 Sep 10 j 17:57	7° <u>൬</u> 52'34	0°44'14	min. Earth dist.	-962 Apr 08 j 09:30	8° <u>0</u> 17'38	17.63813 AU
max. Earth dist.	-969 Sep 09 j 23:42	7° <u>൬</u> 49'41	19.33661 AU	direct	-962 Jun 24 j 11:16	6° <u>0</u> 14'05	
morning rise	-969 Sep 26 j 17:32	8° <u>൬</u> 52'54		evening set	-962 Sep 27 j 05:13	9° <u>0</u> 38'31	
retrograde	-969 Dec 26 j 18:33	12° <u>൬</u> 14'31					
opposition	-968 Mar 09 j 18:16	10° <u>൬</u> 12'47	0°48'58	conjunction	-962 Oct 13 j 01:05	10° <u>0</u> 37'26	0°33'39
min. Earth dist.	-968 Mar 10 j 10:45	10° <u>൬</u> 11'01	17.35192 AU	minimum elong	-962 Oct 13 j 01:05	10° <u>0</u> 37'26	0°33'38
direct	-968 May 25 j 18:48	8° <u>൬</u> 06'50		max. Earth dist.	-962 Oct 12 j 21:48	10° <u>0</u> 36'55	19.66897 AU
evening set	-968 Aug 29 j 15:44	11° <u>൬</u> 36'52		morning rise	-962 Oct 28 j 18:31	11° <u>0</u> 35'58	
				retrograde	-961 Jan 28 j 03:52	14° <u>0</u> 54'22	
conjunction	-968 Sep 14 j 17:59	12° <u>൬</u> 37'31	0°43'31	opposition	-961 Apr 13 j 06:29	12° <u>0</u> 53'37	0°36'06
minimum elong	-968 Sep 14 j 17:59	12° <u>൬</u> 37'31	0°43'32	min. Earth dist.	-961 Apr 13 j 08:02	12° <u>0</u> 53'27	17.70029 AU
max. Earth dist.	-968 Sep 14 j 00:57	12° <u>൬</u> 34'49	19.36813 AU	direct	-961 Jun 29 j 11:24	10° <u>0</u> 50'07	
morning rise	-968 Sep 30 j 16:37	13° <u>൬</u> 37'37		evening set	-961 Oct 02 j 00:18	14° <u>0</u> 13'24	
retrograde	-968 Dec 30 j 18:29	16° <u>൬</u> 58'51					
opposition	-967 Mar 14 j 20:51	14° <u>൬</u> 57'11	0°48'01	conjunction	-961 Oct 17 j 19:27	15° <u>0</u> 12'00	0°31'11
min. Earth dist.	-967 Mar 15 j 10:29	14° <u>൬</u> 55'44	17.38628 AU	minimum elong	-961 Oct 17 j 19:27	15° <u>0</u> 12'00	0°31'11
direct	-967 May 30 j 23:16	12° <u>൬</u> 51'26		max. Earth dist.	-961 Oct 17 j 19:05	15° <u>0</u> 11'57	19.73226 AU
evening set	-967 Sep 03 j 16:10	16° <u>൬</u> 20'44		morning rise	-961 Nov 02 j 12:06	16° <u>0</u> 10'16	
				retrograde	-960 Feb 01 j 23:30	19° <u>0</u> 28'06	
conjunction	-967 Sep 19 j 17:23	17° <u>൬</u> 21'07	0°42'32	opposition	-960 Apr 17 j 06:40	17° <u>0</u> 27'31	0°33'15
minimum elong	-967 Sep 19 j 17:23	17° <u>൬</u> 21'07	0°42'32	min. Earth dist.	-960 Apr 17 j 06:10	17° <u>0</u> 27'34	17.76440 AU
max. Earth dist.	-967 Sep 19 j 03:38	17° <u>൬</u> 18'57	19.40542 AU	direct	-960 Jul 03 j 12:51	15° <u>0</u> 24'28	
morning rise	-967 Oct 05 j 14:49	18° <u>൬</u> 20'58		evening set	-960 Oct 05 j 18:32	18° <u>0</u> 46'32	
retrograde	-966 Jan 04 j 16:45	21° <u>൬</u> 41'47					
opposition	-966 Mar 19 j 23:24	19° <u>൬</u> 40'13	0°46'44	conjunction	-960 Oct 21 j 12:42	19° <u>0</u> 44'49	0°28'33
min. Earth dist.	-966 Mar 20 j 11:45	19° <u>൬</u> 38'54	17.42646 AU	minimum elong	-960 Oct 21 j 12:42	19° <u>0</u> 44'49	0°28'33
direct	-966 Jun 05 j 02:07	17° <u>൬</u> 34'44		max. Earth dist.	-960 Oct 21 j 13:32	19° <u>0</u> 44'56	19.79717 AU
evening set	-966 Sep 08 j 15:45	21° <u>൬</u> 03'13		morning rise	-960 Nov 06 j 04:54	20° <u>0</u> 42'48	
				retrograde	-959 Feb 05 j 18:12	24° <u>0</u> 00'05	
conjunction	-966 Sep 24 j 15:41	22° <u>൬</u> 03'19	0°41'15	opposition	-959 Apr 22 j 06:21	21° <u>0</u> 59'38	0°30'13
minimum elong	-966 Sep 24 j 15:41	22° <u>൬</u> 03'19	0°41'15	min. Earth dist.	-959 Apr 22 j 04:14	21° <u>0</u> 59'51	17.83002 AU
max. Earth dist.	-966 Sep 24 j 03:11	22° <u>൬</u> 01'21	19.44859 AU	direct	-959 Jul 08 j 11:30	19° <u>0</u> 57'00	
morning rise	-966 Oct 10 j 12:20	23° <u>൬</u> 02'55		evening set	-959 Oct 10 j 11:43	23° <u>0</u> 17'48	
retrograde	-965 Jan 09 j 15:40	26° <u>൬</u> 23'18					
opposition	-965 Mar 25 j 01:28	24° <u>൬</u> 21'51	0°45'09	conjunction	-959 Oct 26 j 05:17	24° <u>0</u> 15'47	0°25'45
min. Earth dist.	-965 Mar 25 j 10:56	24° <u>൬</u> 20'51	17.47238 AU	minimum elong	-959 Oct 26 j 05:17	24° <u>0</u> 15'47	0°25'44
direct	-965 Jun 10 j 04:54	22° <u>൬</u> 16'41		max. Earth dist.	-959 Oct 26 j 08:41	24° <u>0</u> 16'18	19.86329 AU
evening set	-965 Sep 13 j 14:25	25° <u>൬</u> 44'16		morning rise	-959 Nov 10 j 20:54	25° <u>0</u> 13'30	
				retrograde	-958 Feb 10 j 12:21	28° <u>0</u> 30'10	
conjunction	-965 Sep 29 j 13:26	26° <u>൬</u> 44'05	0°39'43	opposition	-958 Apr 27 j 05:14	26° <u>0</u> 29'52	0°27'00
minimum elong	-965 Sep 29 j 13:26	26° <u>൬</u> 44'05	0°39'43	min. Earth dist.	-958 Apr 27 j 00:47	26° <u>0</u> 30'19	17.89641 AU
max. Earth dist.	-965 Sep 29 j 04:22	26° <u>൬</u> 42'40	19.49719 AU	direct	-958 Jul 13 j 11:26	24° <u>0</u> 27'38	
morning rise	-965 Oct 15 j 09:00	27° <u>൬</u> 43'26		evening set	-958 Oct 15 j 03:59	27° <u>0</u> 47'08	
	-965 Nov 27 j 00:26	0° <u>0</u>					
retrograde	-964 Jan 14 j 13:13	1° <u>0</u> 03'20		conjunction	-958 Oct 30 j 20:48	28° <u>0</u> 44'48	0°22'48
	-964 Mar 05 j 08:49	30° <u>8</u> <u>൬</u>		minimum elong	-958 Oct 30 j 20:48	28° <u>0</u> 44'48	0°22'49
opposition	-964 Mar 29 j 03:16	29° <u>൬</u> 02'03	0°43'17	max. Earth dist.	-958 Oct 31 j 01:28	28° <u>0</u> 45'31	19.92995 AU
min. Earth dist.	-964 Mar 29 j 11:11	29° <u>൬</u> 01'13	17.52336 AU	morning rise	-958 Nov 15 j 12:09	29° <u>0</u> 42'15	
direct	-964 Jun 14 j 07:34	26° <u>൬</u> 57'17			-958 Nov 20 j 11:05	0° <u>൬</u>	
	-964 Sep 10 j 22:26	0° <u>0</u>		retrograde	-957 Feb 15 j 05:15	2° <u>൬</u> 58'19	
evening set	-964 Sep 17 j 12:21	0° <u>0</u> 23'53		opposition	-957 May 02 j 03:30	0° <u>൬</u> 58'06	0°23'39
				min. Earth dist.	-957 May 01 j 21:51	0° <u>൬</u> 58'41	17.96331 AU
conjunction	-964 Oct 03 j 10:09	1° <u>0</u> 23'24	0°37'55		-957 May 26 j 14:43	30° <u>8</u> <u>0</u>	
minimum elong	-964 Oct 03 j 10:09	1° <u>0</u> 23'24	0°37'55	direct	-957 Jul 18 j 08:07	28° <u>0</u> 56'14	
max. Earth dist.	-964 Oct 03 j 02:18	1° <u>0</u> 22'10	19.55064 AU		-957 Sep 06 j 15:57	0° <u>൬</u>	
morning rise	-964 Oct 19 j 05:02	2° <u>0</u> 22'29		evening set	-957 Oct 19 j 19:09	2° <u>൬</u> 14'25	
retrograde	-963 Jan 18 j 10:52	5° <u>0</u> 41'55					
opposition	-963 Apr 03 j 04:47	3° <u>0</u> 40'48	0°41'09	conjunction	-957 Nov 04 j 11:28	3° <u>൬</u> 11'47	0°19'45
min. Earth dist.	-963 Apr 03 j 10:08	3° <u>0</u> 40'14	17.57895 AU	minimum elong	-957 Nov 04 j 11:28	3° <u>൬</u> 11'47	0°19'44
direct	-963 Jun 19 j 09:03	1° <u>0</u> 36'26		max. Earth dist.	-957 Nov 04 j 18:27	3° <u>൬</u> 12'51	19.99700 AU
evening set	-963 Sep 22 j 09:05	5° <u>0</u> 01'59		morning rise	-957 Nov 20 j 02:25	4° <u>൬</u> 08'59	

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Attention, astronomical year style is used: The year -956 in astronomical counting style is the year 957 BCE in historical counting style.

retrograde	-956 Feb 19 j 22:01	7°M.24'24		conjunction	-951 Nov 29 j 08:43	29°M.10'06	0°00'09
opposition	-956 May 06 j 00:53	5°M.24'16	0°20'11	minimum elong	-951 Nov 29 j 08:43	29°M.10'06	0°00'09
min. Earth dist.	-956 May 05 j 16:38	5°M.25'07	18.03037 AU	behind sun begin	-951 Nov 29 j 02:17	29°M.09'10	
direct	-956 Jul 22 j 06:09	3°M.22'46		behind sun end	-951 Nov 29 j 15:09	29°M.11'03	
evening set	-956 Oct 23 j 09:25	6°M.39'35		max. Earth dist.	-951 Nov 30 j 03:11	29°M.12'52	20.40725 AU
					-951 Dec 13 j 07:10	0°J.00'00	
conjunction	-956 Nov 08 j 01:08	7°M.36'39	0°16'36	morning rise	-951 Dec 14 j 23:25	0°J.05'54	
minimum elong	-956 Nov 08 j 01:08	7°M.36'39	0°16'36	desc. node	-951 Dec 15 j 01:57	0°J.06'17	
max. Earth dist.	-956 Nov 08 j 09:46	7°M.37'58	20.06424 AU	retrograde	-950 Mar 17 j 13:00	3°J.17'38	
morning rise	-956 Nov 23 j 15:55	8°M.33'36		opposition	-950 Jun 02 j 16:42	1°J.18'01	-0°01'41
retrograde	-955 Feb 23 j 13:11	11°M.48'22		min. Earth dist.	-950 Jun 01 j 21:08	1°J.20'00	18.44140 AU
opposition	-955 May 10 j 21:42	9°M.48'17	0°16'38		-950 Jul 07 j 17:09	30°R.M.	
min. Earth dist.	-955 May 10 j 12:21	9°M.49'15	18.09792 AU	direct	-950 Aug 18 j 13:02	29°M.18'45	
direct	-955 Jul 27 j 00:23	7°M.47'08			-950 Sep 27 j 21:43	0°J.00'00	
evening set	-955 Oct 27 j 22:28	11°M.02'35		evening set	-950 Nov 18 j 03:33	2°J.27'49	
conjunction	-955 Nov 12 j 13:49	11°M.59'22	0°13'23	conjunction	-950 Dec 03 j 17:44	3°J.23'19	-0°03'13
minimum elong	-955 Nov 12 j 13:49	11°M.59'22	0°13'22	minimum elong	-950 Dec 03 j 17:44	3°J.23'19	0°03'14
behind sun begin	-955 Nov 12 j 09:58	11°M.58'48		behind sun begin	-950 Dec 03 j 11:14	3°J.22'23	
behind sun end	-955 Nov 12 j 17:41	11°M.59'56		behind sun end	-950 Dec 04 j 00:14	3°J.24'16	
max. Earth dist.	-955 Nov 13 j 00:45	12°M.01'01	20.13204 AU	max. Earth dist.	-950 Dec 04 j 14:01	3°J.26'21	20.47535 AU
morning rise	-955 Nov 28 j 04:26	12°M.56'04		morning rise	-950 Dec 19 j 08:38	4°J.18'56	
	-954 Jan 06 j 13:46	15°M.		retrograde	-949 Mar 22 j 01:01	7°J.30'07	
retrograde	-954 Feb 28 j 05:11	16°M.10'11		opposition	-949 Jun 07 j 08:43	5°J.30'38	-0°05'19
	-954 Apr 24 j 18:56	15°R.M.		min. Earth dist.	-949 Jun 06 j 12:47	5°J.32'38	18.50891 AU
opposition	-954 May 15 j 17:29	14°M.10'10	0°13'01	direct	-949 Aug 23 j 01:42	3°J.31'46	
min. Earth dist.	-954 May 15 j 05:16	14°M.11'25	18.16591 AU	evening set	-949 Nov 22 j 11:54	6°J.39'40	
direct	-954 Jul 31 j 20:29	12°M.09'21					
	-954 Oct 25 j 18:13	15°M.		conjunction	-949 Dec 08 j 02:03	7°J.34'56	-0°06'28
evening set	-954 Nov 01 j 10:48	15°M.23'28		minimum elong	-949 Dec 08 j 02:03	7°J.34'56	0°06'29
				behind sun begin	-949 Dec 07 j 19:53	7°J.34'03	
conjunction	-954 Nov 17 j 01:43	16°M.19'58	0°10'07	behind sun end	-949 Dec 08 j 08:12	7°J.35'50	
minimum elong	-954 Nov 17 j 01:43	16°M.19'58	0°10'06	max. Earth dist.	-949 Dec 08 j 23:29	7°J.38'07	20.54202 AU
behind sun begin	-954 Nov 16 j 20:25	16°M.19'11		morning rise	-949 Dec 23 j 17:12	8°J.30'22	
behind sun end	-954 Nov 17 j 07:01	16°M.20'45		retrograde	-948 Mar 25 j 13:54	11°J.41'03	
max. Earth dist.	-954 Nov 17 j 14:33	16°M.21'54	20.20025 AU	opposition	-948 Jun 10 j 23:53	9°J.41'41	-0°08'54
morning rise	-954 Dec 02 j 16:15	17°M.16'26		min. Earth dist.	-948 Jun 10 j 01:38	9°J.43'55	18.57456 AU
retrograde	-953 Mar 04 j 18:42	20°M.29'55		direct	-948 Aug 26 j 16:33	7°J.43'12	
opposition	-953 May 20 j 12:27	18°M.29'58	0°09'21	evening set	-948 Nov 25 j 19:47	10°J.49'59	
min. Earth dist.	-953 May 19 j 23:16	18°M.31'19	18.23452 AU				
direct	-953 Aug 05 j 12:19	16°M.29'31		conjunction	-948 Dec 11 j 10:00	11°J.45'03	-0°09'40
evening set	-953 Nov 05 j 22:12	19°M.42'19		minimum elong	-948 Dec 11 j 09:59	11°J.45'03	0°09'41
				behind sun begin	-948 Dec 11 j 04:34	11°J.44'16	
conjunction	-953 Nov 21 j 12:50	20°M.38'33	0°06'50	behind sun end	-948 Dec 11 j 15:25	11°J.45'50	
minimum elong	-953 Nov 21 j 12:50	20°M.38'33	0°06'49	max. Earth dist.	-948 Dec 12 j 09:02	11°J.48'28	20.60639 AU
behind sun begin	-953 Nov 21 j 06:44	20°M.37'39		morning rise	-948 Dec 27 j 01:26	12°J.40'18	
behind sun end	-953 Nov 21 j 18:56	20°M.39'27		retrograde	-947 Mar 30 j 00:58	15°J.50'30	
max. Earth dist.	-953 Nov 22 j 03:39	20°M.40'47	20.26914 AU	opposition	-947 Jun 15 j 14:31	13°J.51'14	-0°12'25
morning rise	-953 Dec 07 j 03:20	21°M.34'46		min. Earth dist.	-947 Jun 14 j 16:17	13°J.53'29	18.63769 AU
retrograde	-952 Mar 08 j 10:07	24°M.47'39		direct	-947 Aug 31 j 04:15	11°J.53'07	
opposition	-952 May 24 j 06:38	22°M.47'48	0°05'40	evening set	-947 Nov 30 j 03:04	14°J.58'50	
min. Earth dist.	-952 May 23 j 14:29	22°M.49'26	18.30356 AU				
direct	-952 Aug 09 j 06:28	20°M.47'44		conjunction	-947 Dec 15 j 17:24	15°J.53'42	-0°12'48
evening set	-952 Nov 09 j 08:41	23°M.59'15		minimum elong	-947 Dec 15 j 17:24	15°J.53'42	0°12'49
				behind sun begin	-947 Dec 15 j 13:15	15°J.53'06	
conjunction	-952 Nov 24 j 23:03	24°M.55'13	0°03'32	behind sun end	-947 Dec 15 j 21:34	15°J.54'18	
minimum elong	-952 Nov 24 j 23:04	24°M.55'13	0°03'30	max. Earth dist.	-947 Dec 16 j 17:00	15°J.57'11	20.66799 AU
behind sun begin	-952 Nov 24 j 16:34	24°M.54'16		morning rise	-947 Dec 31 j 09:18	16°J.48'49	
behind sun end	-952 Nov 25 j 05:33	24°M.56'10		retrograde	-946 Apr 03 j 12:55	19°J.58'32	
max. Earth dist.	-952 Nov 25 j 15:56	24°M.57'45	20.33822 AU	min. Earth dist.	-946 Jun 19 j 04:13	18°J.01'46	18.69758 AU
morning rise	-952 Dec 10 j 13:37	25°M.51'14		opposition	-946 Jun 20 j 04:17	17°J.59'22	-0°15'51
retrograde	-951 Mar 12 j 22:45	29°M.03'32		direct	-946 Sep 04 j 16:55	16°J.01'33	
min. Earth dist.	-951 May 28 j 07:17	27°M.05'30	18.37272 AU	evening set	-946 Dec 04 j 09:57	19°J.06'15	
opposition	-951 May 29 j 00:14	27°M.03'47	0°01'59				
direct	-951 Aug 13 j 20:34	25°M.04'07		conjunction	-946 Dec 20 j 00:29	20°J.00'57	-0°15'51
evening set	-951 Nov 13 j 18:27	28°M.14'23		minimum elong	-946 Dec 20 j 00:29	20°J.00'57	0°15'52
				behind sun begin	-946 Dec 19 j 23:00	20°J.00'44	

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Attention, astronomical year style is used: The year -946 in astronomical counting style is the year 947 BCE in historical counting style.

behind sun end	-946 Dec 20 j 01:57	20° \mathring{A} 01'10	min. Earth dist.	-939 Jul 18 j 07:30	16° \mathring{Z} 21'36	19.00436 AU
max. Earth dist.	-946 Dec 21 j 01:16	20° \mathring{A} 04'36	20.72585 AU	opposition	-939 Jul 19 j 09:49	16° \mathring{Z} 18'59 -0°36'13
morning rise	-945 Jan 04 j 16:44	20° \mathring{A} 55'54		direct	-939 Oct 03 j 08:20	14° \mathring{Z} 22'27
retrograde	-945 Apr 07 j 22:30	24° \mathring{A} 05'10		evening set	-939 Dec 31 j 21:26	17° \mathring{Z} 21'32
opposition	-945 Jun 24 j 17:25	22° \mathring{A} 06'04	-0°19'11			
min. Earth dist.	-945 Jun 23 j 17:42	22° \mathring{A} 08'27	18.75352 AU	conjunction	-938 Jan 16 j 15:01	18° \mathring{Z} 15'29 -0°33'48
direct	-945 Sep 09 j 03:44	20° \mathring{A} 08'33		minimum elong	-938 Jan 16 j 15:01	18° \mathring{Z} 15'29 0°33'48
evening set	-945 Dec 08 j 16:22	23° \mathring{A} 12'16		max. Earth dist.	-938 Jan 17 j 18:49	18° \mathring{Z} 19'29 21.01911 AU
				morning rise	-938 Feb 01 j 11:52	19° \mathring{Z} 09'53
conjunction	-945 Dec 24 j 07:07	24° \mathring{A} 06'48	-0°18'49	retrograde	-938 May 06 j 13:13	22° \mathring{Z} 16'46
minimum elong	-945 Dec 24 j 07:07	24° \mathring{A} 06'48	0°18'50	opposition	-938 Jul 23 j 18:23	20° \mathring{Z} 17'37 -0°38'28
max. Earth dist.	-945 Dec 25 j 07:59	24° \mathring{A} 10'27	20.77974 AU	min. Earth dist.	-938 Jul 22 j 15:14	20° \mathring{Z} 20'20 19.03388 AU
morning rise	-944 Jan 08 j 23:54	25° \mathring{A} 01'38		direct	-938 Oct 07 j 14:53	18° \mathring{Z} 21'13
retrograde	-944 Apr 11 j 09:40	28° \mathring{A} 10'28		evening set	-937 Jan 05 j 01:22	21° \mathring{Z} 19'49
min. Earth dist.	-944 Jun 27 j 04:39	26° \mathring{A} 13'55	18.80528 AU			
opposition	-944 Jun 28 j 05:53	26° \mathring{A} 11'24	-0°22'24	conjunction	-937 Jan 20 j 19:37	22° \mathring{Z} 13'45 -0°35'45
direct	-944 Sep 12 j 14:38	24° \mathring{A} 14'06		minimum elong	-937 Jan 20 j 19:37	22° \mathring{Z} 13'45 0°35'46
evening set	-944 Dec 11 j 22:08	27° \mathring{A} 16'53		max. Earth dist.	-937 Jan 22 j 00:17	22° \mathring{Z} 17'52 21.04674 AU
				morning rise	-937 Feb 05 j 17:11	23° \mathring{Z} 08'08
conjunction	-944 Dec 27 j 13:15	28° \mathring{A} 11'17	-0°21'40	retrograde	-937 May 10 j 19:33	26° \mathring{Z} 14'51
minimum elong	-944 Dec 27 j 13:15	28° \mathring{A} 11'17	0°21'40	min. Earth dist.	-937 Jul 27 j 00:03	24° \mathring{Z} 18'22 19.05973 AU
max. Earth dist.	-944 Dec 28 j 15:13	28° \mathring{A} 15'04	20.82923 AU	opposition	-937 Jul 28 j 02:34	24° \mathring{Z} 15'43 -0°40'31
morning rise	-943 Jan 12 j 06:34	29° \mathring{A} 06'00		direct	-937 Oct 11 j 20:25	22° \mathring{Z} 19'28
	-943 Jan 28 j 16:07	0° \mathring{Z}		evening set	-936 Jan 09 j 05:17	25° \mathring{Z} 17'39
retrograde	-943 Apr 15 j 18:05	2° \mathring{Z} 14'25				
opposition	-943 Jul 02 j 17:45	0° \mathring{Z} 15'21	-0°25'29	conjunction	-936 Jan 25 j 00:12	26° \mathring{Z} 11'33 -0°37'32
min. Earth dist.	-943 Jul 01 j 16:58	0° \mathring{Z} 17'50	18.85265 AU	minimum elong	-936 Jan 25 j 00:12	26° \mathring{Z} 11'33 0°37'32
	-943 Jul 09 j 03:44	30° \mathring{R} \mathring{A}		max. Earth dist.	-936 Jan 26 j 04:15	26° \mathring{Z} 15'34 21.07084 AU
direct	-943 Sep 17 j 00:19	28° \mathring{A} 18'15		morning rise	-936 Feb 09 j 22:41	27° \mathring{Z} 05'56
	-943 Nov 20 j 23:47	0° \mathring{Z}			-936 Apr 21 j 08:57	0° \approx
evening set	-943 Dec 16 j 03:34	1° \mathring{Z} 20'08		retrograde	-936 May 14 j 04:26	0° \approx 12'33
					-936 Jun 06 j 06:25	30° \mathring{R} \mathring{Z}
conjunction	-943 Dec 31 j 19:03	2° \mathring{Z} 14'25	-0°24'23	min. Earth dist.	-936 Jul 30 j 07:22	28° \mathring{Z} 16'08 19.08190 AU
minimum elong	-943 Dec 31 j 19:03	2° \mathring{Z} 14'25	0°24'24	opposition	-936 Jul 31 j 10:22	28° \mathring{Z} 13'27 -0°42'23
max. Earth dist.	-942 Jan 01 j 20:58	2° \mathring{Z} 18'11	20.87455 AU	direct	-936 Oct 15 j 01:49	26° \mathring{Z} 17'19
morning rise	-942 Jan 16 j 13:04	3° \mathring{Z} 09'02		evening set	-935 Jan 12 j 09:10	29° \mathring{Z} 15'09
retrograde	-942 Apr 20 j 04:25	6° \mathring{Z} 17'03			-935 Jan 25 j 13:36	0° \approx
min. Earth dist.	-942 Jul 06 j 02:34	4° \mathring{Z} 20'33	18.89596 AU			
opposition	-942 Jul 07 j 04:34	4° \mathring{Z} 17'57	-0°28'25	conjunction	-935 Jan 28 j 04:53	0° \approx 09'04 -0°39'08
direct	-942 Sep 21 j 09:42	2° \mathring{Z} 21'00		minimum elong	-935 Jan 28 j 04:53	0° \approx 09'04 0°39'09
evening set	-942 Dec 20 j 08:31	5° \mathring{Z} 22'05		max. Earth dist.	-935 Jan 29 j 09:29	0° \approx 13'09 21.09086 AU
				morning rise	-935 Feb 13 j 04:12	1° \approx 03'28
conjunction	-941 Jan 05 j 00:29	6° \mathring{Z} 16'15	-0°26'58	retrograde	-935 May 18 j 11:27	4° \approx 10'00
minimum elong	-941 Jan 05 j 00:29	6° \mathring{Z} 16'15	0°26'59	opposition	-935 Aug 04 j 17:54	2° \approx 10'56 -0°44'03
max. Earth dist.	-941 Jan 06 j 03:30	6° \mathring{Z} 20'10	20.91580 AU	min. Earth dist.	-935 Aug 03 j 15:52	2° \approx 13'32 19.09972 AU
morning rise	-941 Jan 20 j 19:04	7° \mathring{Z} 10'48		direct	-935 Oct 19 j 06:40	0° \approx 14'56
retrograde	-941 Apr 24 j 11:35	10° \mathring{Z} 18'27		evening set	-934 Jan 16 j 13:19	3° \approx 12'30
opposition	-941 Jul 11 j 14:58	8° \mathring{Z} 19'20	-0°31'11			
min. Earth dist.	-941 Jul 10 j 13:23	8° \mathring{Z} 21'53	18.93543 AU	conjunction	-934 Feb 01 j 09:47	4° \approx 06'25 -0°40'33
direct	-941 Sep 25 j 17:47	6° \mathring{Z} 22'31		minimum elong	-934 Feb 01 j 09:46	4° \approx 06'25 0°40'34
evening set	-941 Dec 24 j 13:01	9° \mathring{Z} 22'51		max. Earth dist.	-934 Feb 02 j 13:13	4° \approx 10'20 21.10646 AU
				morning rise	-934 Feb 17 j 10:03	5° \approx 00'52
conjunction	-940 Jan 09 j 05:25	10° \mathring{Z} 16'56	-0°29'24	retrograde	-934 May 22 j 19:57	8° \approx 07'22
minimum elong	-940 Jan 09 j 05:25	10° \mathring{Z} 16'56	0°29'25	min. Earth dist.	-934 Aug 07 j 22:58	6° \approx 10'55 19.11291 AU
max. Earth dist.	-940 Jan 10 j 08:25	10° \mathring{Z} 20'50	20.95356 AU	opposition	-934 Aug 09 j 00:53	6° \approx 08'19 -0°45'30
morning rise	-940 Jan 25 j 00:45	11° \mathring{Z} 11'24		direct	-934 Oct 23 j 11:31	4° \approx 12'23
retrograde	-940 Apr 27 j 21:26	14° \mathring{Z} 18'46		evening set	-933 Jan 20 j 17:35	7° \approx 09'46
min. Earth dist.	-940 Jul 13 j 21:55	12° \mathring{Z} 22'17	18.97157 AU			
opposition	-940 Jul 15 j 00:41	12° \mathring{Z} 19'36	-0°33'47	conjunction	-933 Feb 05 j 14:53	8° \approx 03'45 -0°41'47
direct	-940 Sep 29 j 01:48	10° \mathring{Z} 22'56		minimum elong	-933 Feb 05 j 14:53	8° \approx 03'45 0°41'47
evening set	-940 Dec 27 j 17:20	13° \mathring{Z} 22'36		max. Earth dist.	-933 Feb 06 j 18:23	8° \approx 07'40 21.11699 AU
				morning rise	-933 Feb 21 j 15:59	8° \approx 58'15
conjunction	-939 Jan 12 j 10:19	14° \mathring{Z} 16'37	-0°31'41	retrograde	-933 May 27 j 03:06	12° \approx 04'44
minimum elong	-939 Jan 12 j 10:19	14° \mathring{Z} 16'37	0°31'42	min. Earth dist.	-933 Aug 12 j 07:15	10° \approx 08'10 19.12076 AU
max. Earth dist.	-939 Jan 13 j 14:27	14° \mathring{Z} 20'40	20.98792 AU	opposition	-933 Aug 13 j 07:52	10° \approx 05'42 -0°46'45
morning rise	-939 Jan 28 j 06:19	15° \mathring{Z} 11'03		direct	-933 Oct 27 j 15:42	8° \approx 09'49
retrograde	-939 May 02 j 03:48	18° \mathring{Z} 18'08		evening set	-932 Jan 24 j 21:59	11° \approx 07'04

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Attention, astronomical year style is used: The year -932 in astronomical counting style is the year 933 BCE in historical counting style.

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

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Attention, astronomical year style is used: The year -920 in astronomical counting style is the year 921 BCE in historical counting style.

direct	-920 Dec 17 j 07:23	0° Υ 04'35	morning rise	-913 May 16 j 16:15	0° \mathcal{B} 09'40
evening set	-919 Mar 17 j 18:35	3° Υ 06'37	retrograde	-913 Aug 18 j 19:41	3° \mathcal{B} 22'45
			opposition	-913 Nov 02 j 08:32	1° \mathcal{B} 21'16 -0°23'27
conjunction	-919 Apr 03 j 05:52	4° Υ 02'57 -0°36'55	min. Earth dist.	-913 Nov 02 j 13:52	1° \mathcal{B} 20'42 18.34433 AU
minimum elong	-919 Apr 03 j 05:52	4° Υ 02'57 0°36'55		-913 Dec 07 j 09:42	30° $\mathcal{R}\Upsilon$
max. Earth dist.	-919 Apr 03 j 14:07	4° Υ 04'08 20.75827 AU	direct	-912 Jan 16 j 00:32	29° Υ 20'40
morning rise	-919 Apr 19 j 20:12	4° Υ 59'44		-912 Feb 24 j 01:01	0° \mathcal{B}
retrograde	-919 Jul 23 j 13:12	8° Υ 09'43	evening set	-912 Apr 16 j 22:27	2° \mathcal{B} 29'47
opposition	-919 Oct 08 j 01:58	6° Υ 09'17 -0°39'48			
min. Earth dist.	-919 Oct 07 j 20:02	6° Υ 09'54 18.73139 AU	conjunction	-912 May 03 j 15:33	3° \mathcal{B} 28'11 -0°19'42
direct	-919 Dec 21 j 13:56	4° Υ 11'05	minimum elong	-912 May 03 j 15:33	3° \mathcal{B} 28'11 0°19'41
evening set	-918 Mar 22 j 06:27	7° Υ 13'59	max. Earth dist.	-912 May 03 j 07:07	3° \mathcal{B} 26'57 20.30950 AU
			morning rise	-912 May 20 j 10:18	4° \mathcal{B} 26'49
conjunction	-918 Apr 07 j 18:32	8° Υ 10'35 -0°35'00	retrograde	-912 Aug 22 j 09:46	7° \mathcal{B} 40'28
minimum elong	-918 Apr 07 j 18:33	8° Υ 10'35 0°35'00	opposition	-912 Nov 05 j 19:24	5° \mathcal{B} 38'49 -0°20'07
max. Earth dist.	-918 Apr 07 j 23:24	8° Υ 11'17 20.70347 AU	min. Earth dist.	-912 Nov 06 j 02:57	5° \mathcal{B} 38'01 18.27428 AU
morning rise	-918 Apr 24 j 09:47	9° Υ 07'38	direct	-911 Jan 19 j 11:47	3° \mathcal{B} 37'45
retrograde	-918 Jul 28 j 01:56	12° Υ 18'07	evening set	-911 Apr 21 j 16:11	6° \mathcal{B} 48'06
opposition	-918 Oct 12 j 10:00	10° Υ 17'33 -0°37'34			
min. Earth dist.	-918 Oct 12 j 06:13	10° Υ 17'56 18.67448 AU	conjunction	-911 May 08 j 10:06	7° \mathcal{B} 46'49 -0°16'37
direct	-918 Dec 25 j 22:07	8° Υ 19'00	minimum elong	-911 May 08 j 10:06	7° \mathcal{B} 46'49 0°16'38
evening set	-917 Mar 26 j 18:58	11° Υ 22'50	max. Earth dist.	-911 May 08 j 00:50	7° \mathcal{B} 45'28 20.23940 AU
			morning rise	-911 May 25 j 05:00	8° \mathcal{B} 45'43
conjunction	-917 Apr 12 j 08:09	12° Υ 19'43 -0°32'53	retrograde	-911 Aug 27 j 02:07	11° \mathcal{B} 59'56
minimum elong	-917 Apr 12 j 08:09	12° Υ 19'43 0°32'52	opposition	-911 Nov 10 j 06:57	9° \mathcal{B} 58'09 -0°16'40
max. Earth dist.	-917 Apr 12 j 11:43	12° Υ 20'14 20.64454 AU	min. Earth dist.	-911 Nov 10 j 15:25	9° \mathcal{B} 57'15 18.20427 AU
morning rise	-917 Apr 28 j 23:58	13° Υ 17'01	direct	-910 Jan 24 j 01:13	7° \mathcal{B} 56'42
retrograde	-917 Aug 01 j 14:00	16° Υ 28'00	evening set	-910 Apr 26 j 10:54	11° \mathcal{B} 08'17
opposition	-917 Oct 16 j 18:23	14° Υ 27'17 -0°35'07			
min. Earth dist.	-917 Oct 16 j 16:24	14° Υ 27'29 18.61359 AU	conjunction	-910 May 13 j 05:09	12° \mathcal{B} 07'18 -0°13'27
direct	-917 Dec 30 j 06:42	12° Υ 28'23	minimum elong	-910 May 13 j 05:09	12° \mathcal{B} 07'18 0°13'26
evening set	-916 Mar 30 j 08:22	15° Υ 33'10	behind sun begin	-910 May 13 j 01:30	12° \mathcal{B} 06'46
			behind sun end	-910 May 13 j 08:49	12° \mathcal{B} 07'49
conjunction	-916 Apr 15 j 22:21	16° Υ 30'20 -0°30'34	max. Earth dist.	-910 May 12 j 16:54	12° \mathcal{B} 05'30 20.16967 AU
minimum elong	-916 Apr 15 j 22:21	16° Υ 30'20 0°30'34	morning rise	-910 May 30 j 00:25	13° \mathcal{B} 06'28
max. Earth dist.	-916 Apr 15 j 22:28	16° Υ 30'21 20.58204 AU		-910 Jul 05 j 09:28	15° \mathcal{B}
morning rise	-916 May 02 j 15:03	17° Υ 27'55	retrograde	-910 Aug 31 j 17:50	16° \mathcal{B} 21'18
retrograde	-916 Aug 05 j 02:38	20° Υ 39'24		-910 Oct 29 j 16:34	15° $\mathcal{R}\mathcal{B}$
opposition	-916 Oct 20 j 03:15	18° Υ 38'29 -0°32'29	opposition	-910 Nov 14 j 19:17	14° \mathcal{B} 19'24 -0°13'04
min. Earth dist.	-916 Oct 20 j 03:34	18° Υ 38'27 18.54947 AU	min. Earth dist.	-910 Nov 15 j 05:53	14° \mathcal{B} 18'16 18.13500 AU
direct	-915 Jan 02 j 15:46	16° Υ 39'10	direct	-909 Jan 28 j 13:49	12° \mathcal{B} 17'33
evening set	-915 Apr 03 j 22:37	19° Υ 44'58		-909 Apr 22 j 08:20	15° \mathcal{B}
			evening set	-909 May 01 j 06:27	15° \mathcal{B} 30'27
conjunction	-915 Apr 20 j 13:37	20° Υ 42'27 -0°28'05			
minimum elong	-915 Apr 20 j 13:37	20° Υ 42'27 0°28'04	conjunction	-909 May 18 j 01:22	16° \mathcal{B} 29'46 -0°10'10
max. Earth dist.	-915 Apr 20 j 12:34	20° Υ 42'18 20.51648 AU	minimum elong	-909 May 18 j 01:21	16° \mathcal{B} 29'46 0°10'11
morning rise	-915 May 07 j 06:45	21° Υ 40'17	behind sun begin	-909 May 17 j 20:00	16° \mathcal{B} 28'59
retrograde	-915 Aug 09 j 16:01	24° Υ 52'16	behind sun end	-909 May 18 j 06:42	16° \mathcal{B} 30'32
opposition	-915 Oct 24 j 12:24	22° Υ 51'11 -0°29'39	max. Earth dist.	-909 May 17 j 12:22	16° \mathcal{B} 27'51 20.10083 AU
min. Earth dist.	-915 Oct 24 j 14:20	22° Υ 50'59 18.48262 AU	morning rise	-909 Jun 03 j 20:39	17° \mathcal{B} 29'12
direct	-914 Jan 07 j 02:19	20° Υ 51'27	retrograde	-909 Sep 05 j 12:00	20° \mathcal{B} 44'38
evening set	-914 Apr 08 j 13:47	23° Υ 58'18	opposition	-909 Nov 19 j 08:10	18° \mathcal{B} 42'40 -0°09'23
			min. Earth dist.	-909 Nov 19 j 19:33	18° \mathcal{B} 41'27 18.06660 AU
conjunction	-914 Apr 25 j 05:26	24° Υ 56'05 -0°25'26	direct	-908 Feb 02 j 04:37	16° \mathcal{B} 40'27
minimum elong	-914 Apr 25 j 05:26	24° Υ 56'05 0°25'26	evening set	-908 May 05 j 03:13	19° \mathcal{B} 54'41
max. Earth dist.	-914 Apr 25 j 01:02	24° Υ 55'27 20.44871 AU			
morning rise	-914 May 11 j 23:17	25° Υ 54'12	conjunction	-908 May 21 j 22:22	20° \mathcal{B} 54'18 -0°06'49
retrograde	-914 Aug 14 j 04:56	29° Υ 06'43	minimum elong	-908 May 21 j 22:22	20° \mathcal{B} 54'18 0°06'48
opposition	-914 Oct 28 j 22:13	27° Υ 05'25 -0°26'38	behind sun begin	-908 May 21 j 16:04	20° \mathcal{B} 53'23
min. Earth dist.	-914 Oct 29 j 02:20	27° Υ 04'59 18.41408 AU	behind sun end	-908 May 22 j 04:41	20° \mathcal{B} 55'13
direct	-913 Jan 11 j 12:22	25° Υ 05'14	max. Earth dist.	-908 May 21 j 06:29	20° \mathcal{B} 51'56 20.03293 AU
evening set	-913 Apr 13 j 05:29	28° Υ 13'13	morning rise	-908 Jun 07 j 17:51	21° \mathcal{B} 54'00
			retrograde	-908 Sep 09 j 05:26	25° \mathcal{B} 10'04
conjunction	-913 Apr 29 j 22:04	29° Υ 11'18 -0°22'38	opposition	-908 Nov 22 j 22:01	23° \mathcal{B} 08'03 -0°05'36
minimum elong	-913 Apr 29 j 22:04	29° Υ 11'18 0°22'37	min. Earth dist.	-908 Nov 23 j 11:49	23° \mathcal{B} 06'34 17.99921 AU
max. Earth dist.	-913 Apr 29 j 16:50	29° Υ 10'33 20.37948 AU	direct	-907 Feb 05 j 18:45	21° \mathcal{B} 05'28
	-913 May 13 j 20:40	0° \mathcal{B}	evening set	-907 May 10 j 00:53	24° \mathcal{B} 21'04

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Attention, astronomical year style is used: The year -907 in astronomical counting style is the year 908 BCE in historical counting style.

conjunction	-907 May 26 j 20:26	25° 8 20'59	-0°03'23	morning rise	-902 Jul 06 j 15:52	19° II 05'33	
minimum elong	-907 May 26 j 20:27	25° 8 20'59	0°03'22	retrograde	-902 Oct 07 j 07:41	22° II 25'01	
behind sun begin	-907 May 26 j 13:42	25° 8 20'00		opposition	-902 Dec 20 j 01:59	20° II 22'37	0°17'37
behind sun end	-907 May 27 j 03:11	25° 8 21'58		min. Earth dist.	-902 Dec 21 j 00:41	20° II 20'09	17.61565 AU
max. Earth dist.	-907 May 26 j 03:33	25° 8 18'28	19.96593 AU	direct	-901 Mar 05 j 08:56	18° II 17'48	
morning rise	-907 Jun 12 j 15:46	26° 8 20'55		evening set	-901 Jun 08 j 05:20	21° II 41'11	
retrograde	-907 Sep 14 j 01:26	29° 8 37'36		max. Earth dist.	-901 Jun 23 j 21:00	22° II 38'21	19.58670 AU
opposition	-907 Nov 27 j 12:31	27° 8 35'34	-0°01'45				
min. Earth dist.	-907 Nov 28 j 03:06	27° 8 33'59	17.93259 AU	conjunction	-901 Jun 25 j 00:27	22° II 42'34	0°17'32
direct	-906 Feb 10 j 11:41	25° 8 32'39		minimum elong	-901 Jun 25 j 00:27	22° II 42'34	0°17'32
asc. node	-906 May 13 j 21:07	28° 8 45'43		morning rise	-901 Jul 11 j 17:33	23° II 43'41	
evening set	-906 May 14 j 23:41	28° 8 49'36		retrograde	-901 Oct 12 j 06:52	27° II 03'36	
				opposition	-901 Dec 24 j 21:08	25° II 01'07	0°21'19
conjunction	-906 May 31 j 19:17	29° 8 49'48	0°00'11	min. Earth dist.	-901 Dec 25 j 19:53	24° II 58'38	17.55889 AU
minimum elong	-906 May 31 j 19:17	29° 8 49'48	0°00'11	direct	-900 Mar 09 j 08:09	22° II 55'56	
behind sun begin	-906 May 31 j 12:34	29° 8 48'49		evening set	-900 Jun 12 j 08:27	26° II 20'28	
behind sun end	-906 Jun 01 j 02:00	29° 8 50'46		max. Earth dist.	-900 Jun 27 j 23:15	27° II 17'43	19.53163 AU
max. Earth dist.	-906 May 30 j 23:40	29° 8 46'51	19.89963 AU				
	-906 Jun 03 j 15:09	0° II		conjunction	-900 Jun 29 j 03:13	27° II 22'02	0°20'47
morning rise	-906 Jun 17 j 14:31	0° II 49'59		minimum elong	-900 Jun 29 j 03:13	27° II 22'02	0°20'49
retrograde	-906 Sep 18 j 19:56	4° II 07'17		morning rise	-900 Jul 15 j 19:29	28° II 23'16	
opposition	-906 Dec 02 j 04:05	2° II 05'11	0°02'08		-900 Aug 13 j 16:59	0° II	
min. Earth dist.	-906 Dec 02 j 21:12	2° II 03'20	17.86680 AU	retrograde	-900 Oct 16 j 03:17	1° II 43'36	
direct	-905 Feb 15 j 03:23	0° II 01'54			-900 Dec 21 j 11:14	30° R II	
evening set	-905 May 19 j 23:07	3° II 20'12		opposition	-900 Dec 28 j 17:17	29° II 41'03	0°24'53
				min. Earth dist.	-900 Dec 29 j 17:42	29° II 38'22	17.50591 AU
conjunction	-905 Jun 05 j 18:56	4° II 20'40	0°03'45	direct	-899 Mar 14 j 05:35	27° II 35'30	
minimum elong	-905 Jun 05 j 18:57	4° II 20'40	0°03'47		-899 May 30 j 22:12	0° II	
behind sun begin	-905 Jun 05 j 12:14	4° II 19'41		evening set	-899 Jun 17 j 12:00	1° II 01'09	
behind sun end	-905 Jun 06 j 01:40	4° II 21'40		max. Earth dist.	-899 Jul 03 j 00:56	1° II 58'20	19.48084 AU
max. Earth dist.	-905 Jun 04 j 22:03	4° II 17'31	19.83420 AU				
morning rise	-905 Jun 22 j 13:56	5° II 21'05		conjunction	-899 Jul 04 j 06:07	2° II 02'50	0°23'56
retrograde	-905 Sep 23 j 17:43	8° II 38'58		minimum elong	-899 Jul 04 j 06:06	2° II 02'50	0°23'56
opposition	-905 Dec 06 j 20:20	6° II 36'49	0°06'03	morning rise	-899 Jul 20 j 21:42	3° II 04'11	
min. Earth dist.	-905 Dec 07 j 14:05	6° II 34'54	17.80174 AU	retrograde	-899 Oct 21 j 02:49	6° II 24'55	
direct	-904 Feb 19 j 22:45	4° II 33'10		opposition	-898 Jan 02 j 14:01	4° II 22'18	0°28'19
evening set	-904 May 23 j 23:43	7° II 52'47		min. Earth dist.	-898 Jan 03 j 14:05	4° II 19'39	17.45754 AU
conjunction	-904 Jun 09 j 19:28	8° II 53'31	0°07'15				
minimum elong	-904 Jun 09 j 19:29	8° II 53'31	0°07'16				
behind sun begin	-904 Jun 09 j 13:16	8° II 52'36					
behind sun end	-904 Jun 10 j 01:41	8° II 54'26					
max. Earth dist.	-904 Jun 08 j 20:14	8° II 50'00	19.76955 AU				
morning rise	-904 Jun 26 j 14:06	9° II 54'08					
retrograde	-904 Sep 27 j 12:56	13° II 12'34					
opposition	-904 Dec 10 j 13:26	11° II 10'21	0°09'57				
min. Earth dist.	-904 Dec 11 j 09:42	11° II 08'09	17.73781 AU				
direct	-903 Feb 23 j 16:14	9° II 06'18					
evening set	-903 May 29 j 01:00	12° II 27'14					
conjunction	-903 Jun 14 j 20:40	13° II 28'12	0°10'44				
minimum elong	-903 Jun 14 j 20:41	13° II 28'12	0°10'45				
behind sun begin	-903 Jun 14 j 15:33	13° II 27'26					
behind sun end	-903 Jun 15 j 01:49	13° II 28'57					
max. Earth dist.	-903 Jun 13 j 20:01	13° II 24'26	19.70638 AU				
morning rise	-903 Jul 01 j 14:54	14° II 28'59					
retrograde	-903 Oct 02 j 11:46	17° II 47'57					
opposition	-903 Dec 15 j 07:17	15° II 45'39	0°13'49				
min. Earth dist.	-903 Dec 16 j 03:52	15° II 43'25	17.67554 AU				
direct	-902 Feb 28 j 13:31	13° II 41'13					
evening set	-902 Jun 03 j 02:49	17° II 03'24					
conjunction	-902 Jun 19 j 22:15	18° II 04'35	0°14'10				
minimum elong	-902 Jun 19 j 22:16	18° II 04'35	0°14'11				
behind sun begin	-902 Jun 19 j 19:12	18° II 04'07					
behind sun end	-902 Jun 20 j 01:19	18° II 05'02					
max. Earth dist.	-902 Jun 18 j 20:11	18° II 00'36	19.64510 AU				