

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 1

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
| superior conj       | -7400 Feb 10 j 19:12 | 27°♄19'16 | -1°21'48   | morning rise        | -7398 Jul 03 j 21:51 | 8°♄10'54  |            |
| minimum elong       | -7400 Feb 10 j 20:04 | 27°♄21'56 | 1°22'17    | direct              | -7398 Jul 20 j 06:02 | 3°♄06'21  |            |
|                     | -7400 Feb 12 j 23:36 | 0°♄       |            | greatest brilliancy | -7398 Jul 31 j 04:51 | 5°♄20'13  | -4.9m      |
|                     | -7400 Mar 08 j 10:09 | 0°♄       |            |                     | -7398 Sep 02 j 14:13 | 0°♄       |            |
| evening rise        | -7400 Mar 17 j 21:25 | 11°♄37'35 |            | morning max el      | -7398 Sep 08 j 23:14 | 6°♄21'33  | 46°48'00   |
|                     | -7400 Apr 01 j 20:28 | 0°♄       |            | asc. node           | -7398 Sep 20 j 14:52 | 18°♄41'36 |            |
| asc. node           | -7400 Apr 04 j 15:00 | 3°♄24'12  |            |                     | -7398 Sep 30 j 18:45 | 0°♄       |            |
|                     | -7400 Apr 26 j 07:13 | 0°♄       |            |                     | -7398 Oct 26 j 13:15 | 0°♄       |            |
|                     | -7400 May 20 j 19:08 | 0°♄       |            |                     | -7398 Nov 20 j 14:09 | 0°♄       |            |
|                     | -7400 Jun 14 j 09:35 | 0°♄       |            |                     | -7398 Dec 15 j 10:37 | 0°♄       |            |
|                     | -7400 Jul 09 j 05:24 | 0°♄       |            |                     | -7397 Jan 09 j 06:32 | 0°♄       |            |
| desc. node          | -7400 Jul 26 j 00:05 | 19°♄59'33 |            | desc. node          | -7397 Jan 11 j 00:25 | 2°♄06'32  |            |
|                     | -7400 Aug 03 j 12:17 | 0°♄       |            |                     | -7397 Feb 03 j 01:37 | 0°♄       |            |
|                     | -7400 Aug 29 j 19:19 | 0°♄       |            |                     | -7397 Feb 27 j 18:17 | 0°♄       |            |
| evening max el      | -7400 Sep 15 j 17:50 | 18°♄04'18 | 47°34'41   | morning set         | -7397 Mar 13 j 23:05 | 17°♄19'44 |            |
|                     | -7400 Sep 27 j 22:48 | 0°♄       |            |                     | -7397 Mar 24 j 07:24 | 0°♄       |            |
| greatest brilliancy | -7400 Oct 26 j 10:01 | 20°♄06'05 | -4.9m      | max. Earth dist.    | -7397 Apr 14 j 18:40 | 26°♄24'05 | 1.73312 AU |
| retrograde          | -7400 Nov 05 j 22:57 | 22°♄15'10 |            |                     | -7397 Apr 17 j 16:40 | 0°♄       |            |
| asc. node           | -7400 Nov 15 j 09:55 | 20°♄22'10 |            |                     |                      |           |            |
| evening set         | -7400 Nov 20 j 19:16 | 17°♄45'20 |            | superior conj       | -7397 Apr 18 j 09:51 | 0°♄53'01  | -0°33'21   |
| min. Earth dist.    | -7400 Nov 26 j 00:09 | 14°♄34'37 | 0.27771 AU | minimum elong       | -7397 Apr 18 j 15:46 | 1°♄11'16  | 0°33'23    |
| inferior conj       | -7400 Nov 26 j 22:28 | 13°♄58'57 | 2°45'02    | asc. node           | -7397 May 03 j 04:00 | 19°♄07'51 |            |
| minimum elong       | -7400 Nov 26 j 16:57 | 14°♄07'45 | 2°43'24    |                     | -7397 May 11 j 22:28 | 0°♄       |            |
| morning rise        | -7400 Dec 02 j 15:31 | 10°♄28'34 |            | evening rise        | -7397 May 23 j 23:10 | 14°♄56'30 |            |
| direct              | -7400 Dec 17 j 15:50 | 5°♄57'19  |            |                     | -7397 Jun 05 j 01:37 | 0°♄       |            |
| greatest brilliancy | -7400 Dec 26 j 14:10 | 7°♄26'40  | -4.8m      |                     | -7397 Jun 29 j 03:29 | 0°♄       |            |
|                     | -7399 Jan 28 j 22:49 | 0°♄       |            |                     | -7397 Jul 23 j 06:01 | 0°♄       |            |
| morning max el      | -7399 Feb 04 j 12:30 | 6°♄06'44  | 45°58'32   |                     | -7397 Aug 16 j 11:37 | 0°♄       |            |
|                     | -7399 Feb 28 j 00:42 | 0°♄       |            | desc. node          | -7397 Aug 23 j 11:51 | 8°♄37'52  |            |
| desc. node          | -7399 Mar 07 j 22:43 | 8°♄31'47  |            |                     | -7397 Sep 09 j 23:08 | 0°♄       |            |
|                     | -7399 Mar 27 j 05:47 | 0°♄       |            |                     | -7397 Oct 04 j 21:01 | 0°♄       |            |
|                     | -7399 Apr 22 j 04:31 | 0°♄       |            |                     | -7397 Oct 30 j 15:33 | 0°♄       |            |
|                     | -7399 May 17 j 08:02 | 0°♄       |            | evening max el      | -7397 Nov 26 j 10:06 | 28°♄49'12 | 46°06'31   |
|                     | -7399 Jun 10 j 21:33 | 0°♄       |            |                     | -7397 Nov 27 j 14:29 | 0°♄       |            |
| asc. node           | -7399 Jun 28 j 04:16 | 21°♄26'16 |            | asc. node           | -7397 Dec 13 j 20:34 | 14°♄55'15 |            |
|                     | -7399 Jul 05 j 00:42 | 0°♄       |            | greatest brilliancy | -7396 Jan 03 j 21:28 | 28°♄20'38 | -4.8m      |
| greatest brilliancy | -7399 Jul 25 j 16:45 | 25°♄59'20 | -3.9m      |                     | -7396 Jan 09 j 07:13 | 0°♄       |            |
|                     | -7399 Jul 28 j 21:01 | 0°♄       |            | retrograde          | -7396 Jan 15 j 01:00 | 0°♄38'05  |            |
| morning set         | -7399 Jul 31 j 07:56 | 3°♄06'02  |            |                     | -7396 Jan 20 j 14:45 | 30°♄31'47 |            |
|                     | -7399 Aug 21 j 14:14 | 0°♄       |            | evening set         | -7396 Feb 01 j 14:35 | 24°♄38'28 |            |
|                     |                      |           |            | inferior conj       | -7396 Feb 05 j 10:39 | 22°♄13'05 | 8°06'26    |
| superior conj       | -7399 Sep 09 j 15:47 | 24°♄06'14 | 1°13'20    | minimum elong       | -7396 Feb 05 j 09:32 | 22°♄14'54 | 8°05'55    |
| minimum elong       | -7399 Sep 10 j 01:34 | 24°♄37'09 | 1°13'35    | min. Earth dist.    | -7396 Feb 05 j 10:04 | 22°♄14'02 | 0.29512 AU |
| max. Earth dist.    | -7399 Sep 13 j 19:24 | 29°♄20'36 | 1.70846 AU | morning rise        | -7396 Feb 09 j 04:37 | 19°♄51'09 |            |
|                     | -7399 Sep 14 j 07:54 | 0°♄       |            | direct              | -7396 Feb 27 j 05:24 | 13°♄43'00 |            |
|                     | -7399 Oct 08 j 04:34 | 0°♄       |            | greatest brilliancy | -7396 Mar 07 j 19:01 | 15°♄22'40 | -4.7m      |
| desc. node          | -7399 Oct 18 j 10:57 | 12°♄50'42 |            |                     | -7396 Mar 31 j 22:07 | 0°♄       |            |
| evening rise        | -7399 Oct 22 j 16:48 | 18°♄08'32 |            | desc. node          | -7396 Apr 04 j 09:46 | 2°♄53'32  |            |
|                     | -7399 Nov 01 j 05:17 | 0°♄       |            | morning max el      | -7396 Apr 16 j 03:54 | 13°♄31'47 | 45°56'46   |
|                     | -7399 Nov 25 j 10:14 | 0°♄       |            |                     | -7396 May 02 j 13:24 | 0°♄       |            |
|                     | -7399 Dec 19 j 19:53 | 0°♄       |            |                     | -7396 May 29 j 19:42 | 0°♄       |            |
|                     | -7398 Jan 13 j 12:20 | 0°♄       |            |                     | -7396 Jun 24 j 10:02 | 0°♄       |            |
| asc. node           | -7398 Feb 07 j 16:29 | 0°♄01'22  |            |                     | -7396 Jul 19 j 02:03 | 0°♄       |            |
|                     | -7398 Feb 07 j 16:01 | 0°♄       |            | asc. node           | -7396 Jul 25 j 17:14 | 8°♄11'50  |            |
|                     | -7398 Mar 05 j 14:36 | 0°♄       |            |                     | -7396 Aug 12 j 04:45 | 0°♄       |            |
|                     | -7398 Apr 01 j 23:44 | 0°♄       |            |                     | -7396 Sep 05 j 00:46 | 0°♄       |            |
| evening max el      | -7398 Apr 20 j 08:33 | 18°♄29'21 | 45°36'19   |                     | -7396 Sep 28 j 19:28 | 0°♄       |            |
|                     | -7398 May 03 j 03:13 | 0°♄       |            | morning set         | -7396 Oct 16 j 02:44 | 21°♄45'33 |            |
| greatest brilliancy | -7398 May 29 j 13:50 | 16°♄42'35 | -4.8m      |                     | -7396 Oct 22 j 16:33 | 0°♄       |            |
| desc. node          | -7398 May 31 j 04:47 | 17°♄13'23 |            | desc. node          | -7396 Nov 15 j 00:04 | 29°♄05'21 |            |
| retrograde          | -7398 Jun 08 j 11:34 | 18°♄28'24 |            |                     | -7396 Nov 15 j 17:39 | 0°♄       |            |
| evening set         | -7398 Jun 23 j 22:47 | 13°♄57'36 |            |                     |                      |           |            |
| inferior conj       | -7398 Jun 29 j 09:04 | 10°♄49'49 | -6°22'28   | superior conj       | -7396 Nov 27 j 08:13 | 14°♄24'24 | -0°27'39   |
| minimum elong       | -7398 Jun 28 j 22:29 | 11°♄05'35 | 6°19'55    | minimum elong       | -7396 Nov 27 j 01:24 | 14°♄03'17 | 0°27'25    |
| min. Earth dist.    | -7398 Jun 29 j 11:37 | 10°♄46'00 | 0.27096 AU | max. Earth dist.    | -7396 Dec 01 j 23:12 | 20°♄08'10 | 1.72464 AU |

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|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7396 Dec 09 j 22:32 | 0°♌       |            | greatest brilliancy | -7393 May 18 j 18:57 | 22°≈14'06 | -4.8m      |
|                     | -7395 Jan 03 j 06:17 | 0°♊       |            |                     | -7393 Jun 01 j 16:56 | 0°♋       |            |
| evening rise        | -7395 Jan 06 j 07:23 | 3°♊44'54  |            | morning max el      | -7393 Jun 26 j 03:01 | 21°♋04'51 | 46°25'16   |
|                     | -7395 Jan 27 j 16:34 | 0°♊       |            |                     | -7393 Jul 04 j 21:38 | 0°♌       |            |
|                     | -7395 Feb 21 j 06:11 | 0°♋       |            |                     | -7393 Aug 01 j 00:02 | 0°♍       |            |
| asc. node           | -7395 Mar 07 j 04:35 | 16°≈54'28 |            | asc. node           | -7393 Aug 23 j 05:33 | 26°♍20'30 |            |
|                     | -7395 Mar 18 j 00:55 | 0°♋       |            |                     | -7393 Aug 26 j 06:05 | 0°♎       |            |
|                     | -7395 Apr 12 j 03:02 | 0°♌       |            |                     | -7393 Sep 19 j 16:31 | 0°♏       |            |
|                     | -7395 May 07 j 15:54 | 0°♍       |            |                     | -7393 Oct 13 j 19:32 | 0°♐       |            |
|                     | -7395 Jun 02 j 23:19 | 0°♎       |            |                     | -7393 Nov 06 j 22:15 | 0°♑       |            |
| desc. node          | -7395 Jun 27 j 15:21 | 26°♎31'01 |            |                     | -7393 Dec 01 j 03:59 | 0°♒       |            |
|                     | -7395 Jul 01 j 01:42 | 0°♏       |            | desc. node          | -7393 Dec 13 j 13:30 | 15°♒16'37 |            |
| evening max el      | -7395 Jul 03 j 04:58 | 2°♏08'01  | 47°14'22   |                     | -7393 Dec 25 j 12:55 | 0°♓       |            |
|                     | -7395 Aug 06 j 12:38 | 0°♐       |            | morning set         | -7392 Jan 01 j 04:39 | 8°♓10'29  |            |
| greatest brilliancy | -7395 Aug 13 j 13:34 | 3°♐04'22  | -4.9m      |                     | -7392 Jan 18 j 23:35 | 0°♊       |            |
| retrograde          | -7395 Aug 22 j 17:11 | 4°♐39'09  |            | max. Earth dist.    | -7392 Feb 07 j 23:47 | 24°♊32'42 | 1.73700 AU |
|                     | -7395 Sep 07 j 02:00 | 30°♑      |            |                     |                      |           |            |
| evening set         | -7395 Sep 08 j 15:51 | 29°♑05'40 |            | superior conj       | -7392 Feb 08 j 12:41 | 25°♊12'15 | -1°21'54   |
| inferior conj       | -7395 Sep 12 j 07:58 | 26°♑52'11 | -7°37'53   | minimum elong       | -7392 Feb 08 j 12:53 | 25°♊12'52 | 1°22'24    |
| minimum elong       | -7395 Sep 12 j 17:42 | 26°♑37'14 | 7°35'44    |                     | -7392 Feb 12 j 10:30 | 0°♋       |            |
| min. Earth dist.    | -7395 Sep 12 j 04:35 | 26°♑57'22 | 0.26545 AU |                     | -7392 Mar 07 j 21:04 | 0°♌       |            |
| morning rise        | -7395 Sep 16 j 19:42 | 24°♑11'06 |            | evening rise        | -7392 Mar 15 j 16:35 | 9°≈35'30  |            |
| direct              | -7395 Oct 02 j 13:29 | 19°♑17'40 |            |                     | -7392 Apr 01 j 07:32 | 0°♋       |            |
| greatest brilliancy | -7395 Oct 12 j 14:10 | 21°♑13'31 | -4.9m      | asc. node           | -7392 Apr 03 j 17:04 | 2°♋56'32  |            |
| asc. node           | -7395 Oct 18 j 01:32 | 23°♑41'41 |            |                     | -7392 Apr 25 j 18:32 | 0°♌       |            |
|                     | -7395 Oct 27 j 22:22 | 0°♐       |            |                     | -7392 May 20 j 06:53 | 0°♍       |            |
| morning max el      | -7395 Nov 21 j 19:18 | 22°♐11'56 | 46°29'28   |                     | -7392 Jun 13 j 21:57 | 0°♎       |            |
|                     | -7395 Nov 29 j 09:49 | 0°♑       |            |                     | -7392 Jul 08 j 18:42 | 0°♏       |            |
|                     | -7395 Dec 26 j 21:09 | 0°♒       |            | desc. node          | -7392 Jul 25 j 02:19 | 19°♏24'03 |            |
|                     | -7394 Jan 22 j 02:46 | 0°♓       |            |                     | -7392 Aug 03 j 03:11 | 0°♐       |            |
| desc. node          | -7394 Feb 07 j 12:59 | 19°♓07'52 |            |                     | -7392 Aug 29 j 13:28 | 0°♑       |            |
|                     | -7394 Feb 16 j 18:59 | 0°♊       |            | evening max el      | -7392 Sep 13 j 09:00 | 15°♑43'43 | 47°36'22   |
|                     | -7394 Mar 14 j 01:29 | 0°♋       |            |                     | -7392 Sep 28 j 03:51 | 0°♒       |            |
|                     | -7394 Apr 07 j 23:08 | 0°≈       |            | greatest brilliancy | -7392 Oct 24 j 02:33 | 17°♒46'53 | -4.9m      |
|                     | -7394 May 02 j 12:34 | 0°♋       |            | retrograde          | -7392 Nov 03 j 14:46 | 19°♒55'35 |            |
| morning set         | -7394 May 19 j 09:58 | 20°♋51'13 |            | asc. node           | -7392 Nov 14 j 12:11 | 17°♒25'51 |            |
|                     | -7394 May 26 j 18:47 | 0°♌       |            | evening set         | -7392 Nov 18 j 09:54 | 15°♒26'42 |            |
| asc. node           | -7394 May 30 j 17:16 | 4°♌53'53  |            | min. Earth dist.    | -7392 Nov 23 j 15:36 | 12°♒15'16 | 0.27700 AU |
|                     | -7394 Jun 19 j 19:16 | 0°♍       |            | inferior conj       | -7392 Nov 24 j 13:40 | 11°♒40'04 | 2°25'03    |
| max. Earth dist.    | -7394 Jun 21 j 00:35 | 1°♍31'55  | 1.71632 AU | minimum elong       | -7392 Nov 24 j 08:46 | 11°♒47'55 | 2°23'35    |
|                     |                      |           |            | morning rise        | -7392 Nov 30 j 08:29 | 8°♒07'45  |            |
| superior conj       | -7394 Jun 25 j 01:09 | 6°♍34'51  | 0°54'31    | direct              | -7392 Dec 15 j 06:03 | 3°♒39'28  |            |
| minimum elong       | -7394 Jun 24 j 16:09 | 6°♍06'38  | 0°54'26    | greatest brilliancy | -7392 Dec 24 j 05:18 | 5°♒09'59  | -4.8m      |
|                     | -7394 Jul 13 j 16:04 | 0°♎       |            |                     | -7391 Jan 29 j 00:20 | 0°♓       |            |
| evening rise        | -7394 Aug 02 j 05:08 | 24°♎37'21 |            | morning max el      | -7391 Feb 02 j 04:19 | 3°♓55'04  | 45°59'14   |
|                     | -7394 Aug 06 j 11:37 | 0°♏       |            |                     | -7391 Feb 27 j 17:20 | 0°♊       |            |
|                     | -7394 Aug 30 j 08:30 | 0°♐       |            | desc. node          | -7391 Mar 07 j 00:52 | 7°♊55'07  |            |
| desc. node          | -7394 Sep 20 j 00:07 | 25°♐48'54 |            |                     | -7391 Mar 26 j 19:32 | 0°♋       |            |
|                     | -7394 Sep 23 j 08:46 | 0°♑       |            |                     | -7391 Apr 21 j 16:56 | 0°≈       |            |
|                     | -7394 Oct 17 j 13:58 | 0°♒       |            |                     | -7391 May 16 j 19:46 | 0°♋       |            |
|                     | -7394 Nov 11 j 01:57 | 0°♓       |            |                     | -7391 Jun 10 j 08:54 | 0°♌       |            |
|                     | -7394 Dec 06 j 01:10 | 0°♊       |            | asc. node           | -7391 Jun 27 j 06:32 | 20°♌58'28 |            |
|                     | -7394 Dec 31 j 22:09 | 0°♋       |            |                     | -7391 Jul 04 j 11:52 | 0°♍       |            |
| asc. node           | -7393 Jan 10 j 07:20 | 10°♋26'22 |            | greatest brilliancy | -7391 Jul 24 j 23:14 | 25°♍44'54 | -3.9m      |
|                     | -7393 Jan 28 j 20:19 | 0°≈       |            |                     | -7391 Jul 28 j 08:05 | 0°♎       |            |
| evening max el      | -7393 Feb 05 j 04:12 | 7°≈11'24  | 45°00'34   | morning set         | -7391 Jul 28 j 21:04 | 0°♎40'58  |            |
|                     | -7393 Mar 05 j 18:06 | 0°♋       |            |                     | -7391 Aug 21 j 01:18 | 0°♏       |            |
| greatest brilliancy | -7393 Mar 14 j 19:21 | 4°♋16'53  | -4.7m      |                     |                      |           |            |
| retrograde          | -7393 Mar 25 j 04:23 | 6°♋12'10  |            | superior conj       | -7391 Sep 07 j 01:34 | 21°♏30'31 | 1°15'07    |
| evening set         | -7393 Apr 09 j 21:15 | 1°♋35'08  |            | minimum elong       | -7391 Sep 07 j 10:40 | 21°♏59'15 | 1°15'25    |
|                     | -7393 Apr 12 j 15:35 | 30°♑      |            | max. Earth dist.    | -7391 Sep 11 j 01:39 | 26°♏33'49 | 1.70825 AU |
| inferior conj       | -7393 Apr 15 j 13:50 | 28°≈13'10 | 3°48'58    |                     | -7391 Sep 13 j 19:01 | 0°♐       |            |
| minimum elong       | -7393 Apr 15 j 21:14 | 28°≈01'45 | 3°46'48    |                     | -7391 Oct 07 j 15:43 | 0°♑       |            |
| min. Earth dist.    | -7393 Apr 16 j 16:15 | 27°≈32'29 | 0.28742 AU | desc. node          | -7391 Oct 17 j 12:59 | 12°♑22'11 |            |
| morning rise        | -7393 Apr 21 j 20:17 | 24°≈29'19 |            | evening rise        | -7391 Oct 20 j 01:10 | 15°♑30'03 |            |
| desc. node          | -7393 May 02 j 20:21 | 20°≈18'43 |            |                     | -7391 Oct 31 j 16:29 | 0°♒       |            |
| direct              | -7393 May 07 j 08:33 | 19°≈54'52 |            |                     | -7391 Nov 24 j 21:30 | 0°♓       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7391 Dec 19 j 07:20 | 0°♈       |            |                     | -7388 Aug 11 j 16:21 | 0°♊       |            |
|                     | -7390 Jan 13 j 00:10 | 0°♊       |            |                     | -7388 Sep 04 j 12:10 | 0°♋       |            |
| asc. node           | -7390 Feb 06 j 18:42 | 29°♌30'40 |            |                     | -7388 Sep 28 j 06:43 | 0°♌       |            |
|                     | -7390 Feb 07 j 04:40 | 0°♋       |            | morning set         | -7388 Oct 13 j 12:38 | 19°♌11'00 |            |
|                     | -7390 Mar 05 j 04:57 | 0°♈       |            |                     | -7388 Oct 22 j 03:40 | 0°♎       |            |
|                     | -7390 Apr 01 j 18:03 | 0°♍       |            | desc. node          | -7388 Nov 14 j 02:17 | 28°♎38'04 |            |
| evening max el      | -7390 Apr 17 j 23:25 | 16°♍13'56 | 45°33'29   |                     | -7388 Nov 15 j 04:38 | 0°♏       |            |
|                     | -7390 May 03 j 12:31 | 0°♎       |            |                     |                      |           |            |
| greatest brilliancy | -7390 May 27 j 00:59 | 14°♏18'35 | -4.8m      | superior conj       | -7388 Nov 24 j 19:16 | 11°♏55'53 | -0°24'08   |
| desc. node          | -7390 May 30 j 07:06 | 15°♏15'27 |            | minimum elong       | -7388 Nov 24 j 13:13 | 11°♏37'07 | 0°23'54    |
| retrograde          | -7390 Jun 06 j 00:14 | 16°♏05'02 |            | max. Earth dist.    | -7388 Nov 29 j 16:51 | 18°♏00'18 | 1.72399 AU |
| evening set         | -7390 Jun 21 j 08:08 | 11°♏38'54 |            |                     | -7388 Dec 09 j 09:27 | 0°♐       |            |
| inferior conj       | -7390 Jun 26 j 21:40 | 8°♏26'22  | -6°05'37   |                     | -7387 Jan 02 j 17:11 | 0°♈       |            |
| minimum elong       | -7390 Jun 26 j 11:10 | 8°♏42'03  | 6°03'01    | evening rise        | -7387 Jan 03 j 22:39 | 1°♈30'42  |            |
| min. Earth dist.    | -7390 Jun 27 j 00:38 | 8°♏21'55  | 0.27130 AU |                     | -7387 Jan 27 j 03:31 | 0°♊       |            |
| morning rise        | -7390 Jul 01 j 13:52 | 5°♏42'36  |            |                     | -7387 Feb 20 j 17:22 | 0°♋       |            |
| direct              | -7390 Jul 17 j 20:06 | 0°♏42'21  |            | asc. node           | -7387 Mar 06 j 06:38 | 16°♋26'05 |            |
| greatest brilliancy | -7390 Jul 28 j 18:23 | 2°♏55'46  | -4.9m      |                     | -7387 Mar 17 j 12:35 | 0°♈       |            |
|                     | -7390 Sep 02 j 15:05 | 0°♊       |            |                     | -7387 Apr 11 j 15:32 | 0°♍       |            |
| morning max el      | -7390 Sep 06 j 12:39 | 3°♊55'36  | 46°47'58   |                     | -7387 May 07 j 05:51 | 0°♎       |            |
| asc. node           | -7390 Sep 19 j 16:58 | 17°♊55'34 |            |                     | -7387 Jun 02 j 15:59 | 0°♋       |            |
|                     | -7390 Sep 30 j 11:43 | 0°♋       |            | desc. node          | -7387 Jun 26 j 17:34 | 25°♋40'28 |            |
|                     | -7390 Oct 26 j 03:33 | 0°♌       |            | evening max el      | -7387 Jun 30 j 17:04 | 29°♋39'53 | 47°11'16   |
|                     | -7390 Nov 20 j 03:07 | 0°♎       |            |                     | -7387 Jul 01 j 01:12 | 0°♋       |            |
|                     | -7390 Dec 14 j 22:45 | 0°♏       |            |                     | -7387 Aug 09 j 11:36 | 0°♌       |            |
|                     | -7389 Jan 08 j 18:08 | 0°♐       |            | greatest brilliancy | -7387 Aug 11 j 02:51 | 0°♌35'00  | -4.9m      |
| desc. node          | -7389 Jan 10 j 02:35 | 1°♐38'06  |            | retrograde          | -7387 Aug 20 j 04:35 | 2°♌08'28  |            |
|                     | -7389 Feb 02 j 12:49 | 0°♈       |            |                     | -7387 Aug 30 j 11:27 | 30°♌      |            |
|                     | -7389 Feb 27 j 05:13 | 0°♊       |            | evening set         | -7387 Sep 06 j 07:18 | 26°♌30'56 |            |
| morning set         | -7389 Mar 11 j 17:49 | 15°♊17'15 |            | inferior conj       | -7387 Sep 09 j 20:11 | 24°♌22'28 | -7°50'23   |
|                     | -7389 Mar 23 j 18:11 | 0°♋       |            | minimum elong       | -7387 Sep 10 j 05:31 | 24°♌08'10 | 7°48'25    |
| max. Earth dist.    | -7389 Apr 12 j 15:06 | 24°♋26'03 | 1.73352 AU | min. Earth dist.    | -7387 Sep 09 j 17:36 | 24°♌26'27 | 0.26543 AU |
|                     |                      |           |            | morning rise        | -7387 Sep 14 j 03:48 | 21°♌47'16 |            |
| superior conj       | -7389 Apr 16 j 05:05 | 28°♋51'07 | -0°36'04   | direct              | -7387 Sep 30 j 01:15 | 16°♌48'04 |            |
| minimum elong       | -7389 Apr 16 j 11:22 | 29°♋10'28 | 0°36'05    | greatest brilliancy | -7387 Oct 10 j 03:56 | 18°♌45'22 | -4.9m      |
|                     | -7389 Apr 17 j 03:25 | 0°♈       |            | asc. node           | -7387 Oct 17 j 03:48 | 22°♌03'54 |            |
| asc. node           | -7389 May 02 j 06:10 | 18°♈41'09 |            |                     | -7387 Oct 28 j 16:53 | 0°♌       |            |
|                     | -7389 May 11 j 09:18 | 0°♍       |            | morning max el      | -7387 Nov 19 j 07:41 | 19°♌44'19 | 46°30'49   |
| evening rise        | -7389 May 21 j 17:47 | 12°♍51'13 |            |                     | -7387 Nov 29 j 05:58 | 0°♎       |            |
|                     | -7389 Jun 04 j 12:39 | 0°♎       |            |                     | -7387 Dec 26 j 12:33 | 0°♏       |            |
|                     | -7389 Jun 28 j 14:48 | 0°♊       |            |                     | -7386 Jan 21 j 16:05 | 0°♐       |            |
|                     | -7389 Jul 22 j 17:41 | 0°♋       |            | desc. node          | -7386 Feb 06 j 15:05 | 18°♐37'20 |            |
|                     | -7389 Aug 15 j 23:41 | 0°♌       |            |                     | -7386 Feb 16 j 07:10 | 0°♈       |            |
| desc. node          | -7389 Aug 22 j 13:57 | 8°♌06'48  |            |                     | -7386 Mar 13 j 13:01 | 0°♊       |            |
|                     | -7389 Sep 09 j 11:46 | 0°♎       |            |                     | -7386 Apr 07 j 10:17 | 0°♋       |            |
|                     | -7389 Oct 04 j 10:38 | 0°♏       |            |                     | -7386 May 01 j 23:30 | 0°♈       |            |
|                     | -7389 Oct 30 j 07:15 | 0°♐       |            | morning set         | -7386 May 17 j 04:21 | 18°♈45'43 |            |
| evening max el      | -7389 Nov 24 j 02:09 | 26°♐36'10 | 46°09'45   |                     | -7386 May 26 j 05:40 | 0°♍       |            |
|                     | -7389 Nov 27 j 12:25 | 0°♈       |            | asc. node           | -7386 May 29 j 19:30 | 4°♍27'00  |            |
| asc. node           | -7389 Dec 12 j 22:51 | 13°♈54'08 |            | max. Earth dist.    | -7386 Jun 18 j 16:50 | 29°♍18'04 | 1.71696 AU |
| greatest brilliancy | -7388 Jan 01 j 15:24 | 26°♈14'28 | -4.8m      |                     | -7386 Jun 19 j 06:12 | 0°♎       |            |
| retrograde          | -7388 Jan 12 j 18:18 | 28°♈31'29 |            |                     |                      |           |            |
| evening set         | -7388 Jan 30 j 07:09 | 22°♈33'25 |            | superior conj       | -7386 Jun 22 j 17:19 | 4°♎20'41  | 0°51'57    |
| inferior conj       | -7388 Feb 03 j 04:08 | 20°♈06'17 | 8°05'14    | minimum elong       | -7386 Jun 22 j 08:32 | 3°♎53'06  | 0°51'51    |
| minimum elong       | -7388 Feb 03 j 02:22 | 20°♈09'09 | 8°04'43    |                     | -7386 Jul 13 j 03:06 | 0°♊       |            |
| min. Earth dist.    | -7388 Feb 03 j 02:11 | 20°♈09'26 | 0.29489 AU | evening rise        | -7386 Jul 30 j 17:30 | 22°♊10'05 |            |
| morning rise        | -7388 Feb 06 j 21:44 | 17°♈44'35 |            |                     | -7386 Aug 05 j 22:48 | 0°♋       |            |
| direct              | -7388 Feb 24 j 22:32 | 11°♈36'47 |            |                     | -7386 Aug 29 j 19:53 | 0°♌       |            |
| greatest brilliancy | -7388 Mar 05 j 10:10 | 13°♈14'40 | -4.7m      | desc. node          | -7386 Sep 19 j 02:12 | 25°♌19'20 |            |
|                     | -7388 Apr 01 j 04:24 | 0°♊       |            |                     | -7386 Sep 22 j 20:22 | 0°♎       |            |
| desc. node          | -7388 Apr 03 j 11:51 | 1°♊57'59  |            |                     | -7386 Oct 17 j 01:49 | 0°♏       |            |
| morning max el      | -7388 Apr 13 j 19:26 | 11°♊21'45 | 45°56'06   |                     | -7386 Nov 10 j 14:13 | 0°♐       |            |
|                     | -7388 May 02 j 06:46 | 0°♋       |            |                     | -7386 Dec 05 j 14:12 | 0°♈       |            |
|                     | -7388 May 29 j 09:45 | 0°♈       |            |                     | -7386 Dec 31 j 12:57 | 0°♊       |            |
|                     | -7388 Jun 23 j 22:40 | 0°♍       |            | asc. node           | -7385 Jan 09 j 09:33 | 9°♊48'50  |            |
|                     | -7388 Jul 18 j 14:00 | 0°♎       |            |                     | -7385 Jan 28 j 16:14 | 0°♋       |            |
| asc. node           | -7388 Jul 24 j 19:22 | 7°♎41'47  |            | evening max el      | -7385 Feb 02 j 19:07 | 4°♋59'27  | 45°01'23   |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 4

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |            |                     |                      |                           |            |  |
|---------------------|----------------------|----------------------|------------|---------------------|----------------------|---------------------------|------------|--|
|                     | -7385 Mar 07 j 09:49 | 0° $\text{H}$        |            |                     | -7383 Aug 20 j 12:36 | 0° $\text{G}$             |            |  |
| greatest brilliancy | -7385 Mar 12 j 10:00 | 2° $\text{H}$ 07'30  | -4.7m      |                     |                      |                           |            |  |
| retrograde          | -7385 Mar 22 j 20:40 | 4° $\text{H}$ 04'15  |            | superior conj       | -7383 Sep 04 j 11:12 | 18° $\text{G}$ 53'33      | 1°16'45    |  |
|                     | -7385 Apr 06 j 11:59 | 30° $\text{R}$       |            | minimum elong       | -7383 Sep 04 j 19:31 | 19° $\text{G}$ 19'51      | 1°17'05    |  |
| evening set         | -7385 Apr 07 j 15:24 | 29° $\approx$ 23'09  |            | max. Earth dist.    | -7383 Sep 08 j 07:00 | 23° $\text{G}$ 43'26      | 1.70803 AU |  |
| inferior conj       | -7385 Apr 13 j 05:53 | 26° $\approx$ 03'52  | 4°05'42    |                     | -7383 Sep 13 j 06:22 | 0° $\Omega$               |            |  |
| minimum elong       | -7385 Apr 13 j 13:40 | 25° $\approx$ 51'53  | 4°03'28    |                     | -7383 Oct 07 j 03:06 | 0° $\text{M}$             |            |  |
| min. Earth dist.    | -7385 Apr 14 j 08:17 | 25° $\approx$ 23'14  | 0.28806 AU | desc. node          | -7383 Oct 16 j 15:13 | 11° $\text{M}$ 53'33      |            |  |
| morning rise        | -7385 Apr 19 j 11:04 | 22° $\approx$ 21'48  |            | evening rise        | -7383 Oct 17 j 09:05 | 12° $\text{M}$ 49'20      |            |  |
| desc. node          | -7385 May 01 j 22:43 | 17° $\approx$ 55'34  |            |                     | -7383 Oct 31 j 03:54 | 0° $\text{L}$             |            |  |
| direct              | -7385 May 05 j 01:03 | 17° $\approx$ 44'18  |            |                     | -7383 Nov 24 j 09:00 | 0° $\text{M}$             |            |  |
| greatest brilliancy | -7385 May 16 j 11:13 | 20° $\approx$ 03'33  | -4.8m      |                     | -7383 Dec 18 j 19:01 | 0° $\text{J}$             |            |  |
|                     | -7385 Jun 02 j 09:36 | 0° $\text{H}$        |            |                     | -7382 Jan 12 j 12:16 | 0° $\text{Z}$             |            |  |
| morning max el      | -7385 Jun 23 j 19:33 | 18° $\text{H}$ 52'27 | 46°24'08   | asc. node           | -7382 Feb 05 j 20:50 | 28° $\text{Z}$ 59'00      |            |  |
|                     | -7385 Jul 04 j 16:55 | 0° $\text{Y}$        |            |                     | -7382 Feb 06 j 17:37 | 0° $\approx$              |            |  |
|                     | -7385 Jul 31 j 15:06 | 0° $\text{B}$        |            |                     | -7382 Mar 04 j 19:38 | 0° $\text{H}$             |            |  |
| asc. node           | -7385 Aug 22 j 07:39 | 25° $\text{B}$ 45'59 |            |                     | -7382 Apr 01 j 12:55 | 0° $\text{Y}$             |            |  |
|                     | -7385 Aug 25 j 19:27 | 0° $\text{II}$       |            | evening max el      | -7382 Apr 15 j 14:08 | 13° $\text{Y}$ 58'07      | 45°30'46   |  |
|                     | -7385 Sep 19 j 05:02 | 0° $\text{G}$        |            |                     | -7382 May 04 j 00:57 | 0° $\text{B}$             |            |  |
|                     | -7385 Oct 13 j 07:33 | 0° $\Omega$          |            | greatest brilliancy | -7382 May 24 j 12:56 | 11° $\text{B}$ 55'58      | -4.8m      |  |
|                     | -7385 Nov 06 j 09:57 | 0° $\text{M}$        |            | desc. node          | -7382 May 29 j 09:14 | 13° $\text{B}$ 13'06      |            |  |
|                     | -7385 Nov 30 j 15:24 | 0° $\text{L}$        |            | retrograde          | -7382 Jun 03 j 12:35 | 13° $\text{B}$ 42'22      |            |  |
| desc. node          | -7385 Dec 12 j 15:35 | 14° $\text{L}$ 48'18 |            | evening set         | -7382 Jun 18 j 18:02 | 9° $\text{B}$ 20'36       |            |  |
|                     | -7385 Dec 25 j 00:06 | 0° $\text{M}$        |            | inferior conj       | -7382 Jun 24 j 10:37 | 6° $\text{B}$ 03'37       | -5°48'20   |  |
| morning set         | -7385 Dec 29 j 18:18 | 5° $\text{M}$ 50'49  |            | minimum elong       | -7382 Jun 24 j 00:14 | 6° $\text{B}$ 19'09       | 5°45'41    |  |
|                     | -7384 Jan 18 j 10:34 | 0° $\text{J}$        |            | min. Earth dist.    | -7382 Jun 24 j 14:15 | 5° $\text{B}$ 58'10       | 0.27169 AU |  |
|                     |                      |                      |            | morning rise        | -7382 Jun 29 j 06:06 | 3° $\text{B}$ 14'57       |            |  |
| superior conj       | -7384 Feb 06 j 06:20 | 23° $\text{J}$ 05'46 | -1°21'54   |                     | -7382 Jul 06 j 04:53 | 30° $\text{R}$ $\text{Y}$ |            |  |
| minimum elong       | -7384 Feb 06 j 05:52 | 23° $\text{J}$ 04'21 | 1°22'24    | direct              | -7382 Jul 15 j 10:06 | 28° $\text{Y}$ 18'55      |            |  |
| max. Earth dist.    | -7384 Feb 05 j 20:45 | 22° $\text{J}$ 36'24 | 1.73681 AU |                     | -7382 Jul 24 j 21:34 | 0° $\text{B}$             |            |  |
|                     | -7384 Feb 11 j 21:22 | 0° $\text{Z}$        |            | greatest brilliancy | -7382 Jul 26 j 08:34 | 0° $\text{B}$ 32'01       | -4.9m      |  |
|                     | -7384 Mar 07 j 07:56 | 0° $\approx$         |            |                     | -7382 Sep 02 j 15:08 | 0° $\text{II}$            |            |  |
| evening rise        | -7384 Mar 13 j 12:03 | 7° $\approx$ 34'35   |            | morning max el      | -7382 Sep 04 j 01:21 | 1° $\text{II}$ 26'53      | 46°47'38   |  |
|                     | -7384 Mar 31 j 18:33 | 0° $\text{H}$        |            | asc. node           | -7382 Sep 18 j 19:14 | 17° $\text{II}$ 09'37     |            |  |
| asc. node           | -7384 Apr 02 j 19:17 | 2° $\text{H}$ 29'29  |            |                     | -7382 Sep 30 j 04:46 | 0° $\text{G}$             |            |  |
|                     | -7384 Apr 25 j 05:53 | 0° $\text{Y}$        |            |                     | -7382 Oct 25 j 18:05 | 0° $\Omega$               |            |  |
|                     | -7384 May 19 j 18:42 | 0° $\text{B}$        |            |                     | -7382 Nov 19 j 16:21 | 0° $\text{M}$             |            |  |
|                     | -7384 Jun 13 j 10:27 | 0° $\text{II}$       |            |                     | -7382 Dec 14 j 11:11 | 0° $\text{L}$             |            |  |
|                     | -7384 Jul 08 j 08:13 | 0° $\text{G}$        |            |                     | -7381 Jan 08 j 06:00 | 0° $\text{M}$             |            |  |
| desc. node          | -7384 Jul 24 j 04:25 | 18° $\text{G}$ 47'35 |            | desc. node          | -7381 Jan 09 j 04:36 | 1° $\text{M}$ 08'23       |            |  |
|                     | -7384 Aug 02 j 18:24 | 0° $\Omega$          |            |                     | -7381 Feb 02 j 00:18 | 0° $\text{J}$             |            |  |
|                     | -7384 Aug 29 j 08:12 | 0° $\text{M}$        |            |                     | -7381 Feb 26 j 16:27 | 0° $\text{Z}$             |            |  |
| evening max el      | -7384 Sep 11 j 00:56 | 13° $\text{M}$ 24'48 | 47°37'59   | morning set         | -7381 Mar 09 j 12:35 | 13° $\text{Z}$ 13'54      |            |  |
|                     | -7384 Sep 28 j 11:12 | 0° $\text{L}$        |            |                     | -7381 Mar 23 j 05:15 | 0° $\approx$              |            |  |
| greatest brilliancy | -7384 Oct 21 j 18:32 | 15° $\text{L}$ 26'27 | -4.9m      | max. Earth dist.    | -7381 Apr 10 j 10:38 | 22° $\approx$ 24'26       | 1.73386 AU |  |
| retrograde          | -7384 Nov 01 j 06:49 | 17° $\text{L}$ 35'04 |            |                     |                      |                           |            |  |
| asc. node           | -7384 Nov 13 j 14:30 | 14° $\text{L}$ 24'12 |            | superior conj       | -7381 Apr 14 j 00:38 | 26° $\approx$ 49'24       | -0°38'41   |  |
| evening set         | -7384 Nov 16 j 00:37 | 13° $\text{L}$ 07'02 |            | minimum elong       | -7381 Apr 14 j 07:14 | 27° $\approx$ 09'47       | 0°38'44    |  |
| min. Earth dist.    | -7384 Nov 21 j 06:38 | 9° $\text{L}$ 55'19  | 0.27629 AU |                     | -7381 Apr 16 j 14:26 | 0° $\text{H}$             |            |  |
| inferior conj       | -7384 Nov 22 j 04:43 | 9° $\text{L}$ 20'12  | 2°04'43    | asc. node           | -7381 May 01 j 08:25 | 18° $\text{H}$ 13'56      |            |  |
| minimum elong       | -7384 Nov 22 j 00:26 | 9° $\text{L}$ 27'01  | 2°03'25    |                     | -7381 May 10 j 20:23 | 0° $\text{Y}$             |            |  |
| morning rise        | -7384 Nov 28 j 01:13 | 5° $\text{L}$ 46'10  |            | evening rise        | -7381 May 19 j 12:49 | 10° $\text{Y}$ 46'35      |            |  |
| direct              | -7384 Dec 12 j 20:39 | 1° $\text{L}$ 20'47  |            |                     | -7381 Jun 03 j 23:55 | 0° $\text{B}$             |            |  |
| greatest brilliancy | -7384 Dec 21 j 19:50 | 2° $\text{L}$ 51'50  | -4.8m      |                     | -7381 Jun 28 j 02:22 | 0° $\text{II}$            |            |  |
|                     | -7383 Jan 29 j 00:48 | 0° $\text{M}$        |            |                     | -7381 Jul 22 j 05:38 | 0° $\text{G}$             |            |  |
| morning max el      | -7383 Jan 30 j 20:27 | 1° $\text{M}$ 43'41  | 46°00'02   |                     | -7381 Aug 15 j 12:07 | 0° $\Omega$               |            |  |
|                     | -7383 Feb 27 j 09:46 | 0° $\text{J}$        |            | desc. node          | -7381 Aug 21 j 16:03 | 7° $\Omega$ 34'35         |            |  |
| desc. node          | -7383 Mar 06 j 02:55 | 7° $\text{J}$ 18'16  |            |                     | -7381 Sep 09 j 00:52 | 0° $\text{M}$             |            |  |
|                     | -7383 Mar 26 j 09:14 | 0° $\text{Z}$        |            |                     | -7381 Oct 04 j 00:51 | 0° $\text{L}$             |            |  |
|                     | -7383 Apr 21 j 05:21 | 0° $\approx$         |            |                     | -7381 Oct 29 j 23:46 | 0° $\text{M}$             |            |  |
|                     | -7383 May 16 j 07:31 | 0° $\text{H}$        |            | evening max el      | -7381 Nov 21 j 17:07 | 24° $\text{M}$ 18'38      | 46°13'07   |  |
|                     | -7383 Jun 09 j 20:20 | 0° $\text{Y}$        |            |                     | -7381 Nov 27 j 11:57 | 0° $\text{J}$             |            |  |
| asc. node           | -7383 Jun 26 j 08:37 | 20° $\text{Y}$ 29'42 |            | asc. node           | -7381 Dec 12 j 01:01 | 12° $\text{J}$ 49'40      |            |  |
|                     | -7383 Jul 03 j 23:09 | 0° $\text{B}$        |            | greatest brilliancy | -7381 Dec 30 j 09:25 | 24° $\text{J}$ 06'27      | -4.8m      |  |
| greatest brilliancy | -7383 Jul 24 j 04:32 | 25° $\text{B}$ 26'01 | -3.9m      | retrograde          | -7380 Jan 10 j 11:16 | 26° $\text{J}$ 23'03      |            |  |
| morning set         | -7383 Jul 26 j 10:07 | 28° $\text{B}$ 15'06 |            | evening set         | -7380 Jan 27 j 23:17 | 20° $\text{J}$ 26'47      |            |  |
|                     | -7383 Jul 27 j 19:21 | 0° $\text{II}$       |            | inferior conj       | -7380 Jan 31 j 21:27 | 17° $\text{J}$ 57'41      | 8°03'29    |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 5

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                          |            |                     |                      |                                   |            |
|---------------------|----------------------|--------------------------|------------|---------------------|----------------------|-----------------------------------|------------|
| minimum elong       | -7380 Jan 31 j 19:01 | 18° $\mathbb{A}$ 01'37   | 8°02'55    |                     | -7378 Aug 05 j 10:13 | 0° $\mathfrak{C}$                 |            |
| min. Earth dist.    | -7380 Jan 31 j 18:23 | 18° $\mathbb{A}$ 02'38   | 0.29460 AU |                     | -7378 Aug 29 j 07:26 | 0° $\mathcal{O}$                  |            |
| morning rise        | -7380 Feb 04 j 14:53 | 15° $\mathbb{A}$ 35'58   |            | desc. node          | -7378 Sep 18 j 04:27 | 24° $\mathcal{O}$ 49'49           |            |
| direct              | -7380 Feb 22 j 15:00 | 9° $\mathbb{A}$ 28'41    |            |                     | -7378 Sep 22 j 08:08 | 0° $\mathfrak{M}$                 |            |
| greatest brilliancy | -7380 Mar 03 j 01:40 | 11° $\mathbb{A}$ 05'27   | -4.7m      |                     | -7378 Oct 16 j 13:52 | 0° $\mathfrak{L}$                 |            |
|                     | -7380 Apr 01 j 09:16 | 0° $\mathfrak{Z}$        |            |                     | -7378 Nov 10 j 02:43 | 0° $\mathfrak{M}$                 |            |
| desc. node          | -7380 Apr 02 j 14:11 | 1° $\mathfrak{Z}$ 02'57  |            |                     | -7378 Dec 05 j 03:35 | 0° $\mathbb{A}$                   |            |
| morning max el      | -7380 Apr 11 j 10:25 | 9° $\mathfrak{Z}$ 09'12  | 45°55'41   |                     | -7378 Dec 31 j 04:18 | 0° $\mathfrak{Z}$                 |            |
|                     | -7380 May 02 j 00:09 | 0° $\mathfrak{X}$        |            | asc. node           | -7377 Jan 08 j 11:42 | 9° $\mathfrak{Z}$ 09'45           |            |
|                     | -7380 May 28 j 23:58 | 0° $\mathfrak{X}$        |            |                     | -7377 Jan 28 j 13:17 | 0° $\mathfrak{X}$                 |            |
|                     | -7380 Jun 23 j 11:30 | 0° $\mathbb{Y}$          |            | evening max el      | -7377 Jan 31 j 10:44 | 2° $\mathfrak{X}$ 48'03           | 45°02'20   |
|                     | -7380 Jul 18 j 02:09 | 0° $\mathfrak{B}$        |            | greatest brilliancy | -7377 Mar 10 j 00:31 | 29° $\mathfrak{X}$ 56'47          | -4.7m      |
| asc. node           | -7380 Jul 23 j 21:30 | 7° $\mathfrak{B}$ 11'04  |            |                     | -7377 Mar 10 j 04:10 | 0° $\mathfrak{X}$                 |            |
|                     | -7380 Aug 11 j 04:09 | 0° $\mathfrak{I}$        |            | retrograde          | -7377 Mar 20 j 12:55 | 1° $\mathfrak{X}$ 54'48           |            |
|                     | -7380 Sep 03 j 23:48 | 0° $\mathfrak{C}$        |            |                     | -7377 Mar 30 j 10:17 | 30° $\mathfrak{R}$ $\mathfrak{X}$ |            |
|                     | -7380 Sep 27 j 18:16 | 0° $\mathcal{O}$         |            | evening set         | -7377 Apr 05 j 09:30 | 27° $\mathfrak{X}$ 09'50          |            |
| morning set         | -7380 Oct 10 j 22:13 | 16° $\mathcal{O}$ 34'15  |            | inferior conj       | -7377 Apr 10 j 21:46 | 23° $\mathfrak{X}$ 53'10          | 4°22'02    |
|                     | -7380 Oct 21 j 15:08 | 0° $\mathfrak{M}$        |            | minimum elong       | -7377 Apr 11 j 05:52 | 23° $\mathfrak{X}$ 40'40          | 4°19'47    |
| desc. node          | -7380 Nov 13 j 04:23 | 28° $\mathfrak{M}$ 09'05 |            | min. Earth dist.    | -7377 Apr 11 j 23:48 | 23° $\mathfrak{X}$ 13'03          | 0.28866 AU |
|                     | -7380 Nov 14 j 16:03 | 0° $\mathfrak{L}$        |            | morning rise        | -7377 Apr 17 j 01:29 | 20° $\mathfrak{X}$ 13'05          |            |
|                     |                      |                          |            | desc. node          | -7377 May 01 j 00:50 | 15° $\mathfrak{X}$ 35'59          |            |
| superior conj       | -7380 Nov 22 j 05:39 | 9° $\mathfrak{L}$ 23'56  | -0°20'30   | direct              | -7377 May 02 j 17:47 | 15° $\mathfrak{X}$ 32'34          |            |
| minimum elong       | -7380 Nov 22 j 00:25 | 9° $\mathfrak{L}$ 07'42  | 0°20'16    | greatest brilliancy | -7377 May 14 j 02:30 | 17° $\mathfrak{X}$ 50'56          | -4.8m      |
| max. Earth dist.    | -7380 Nov 27 j 07:21 | 15° $\mathfrak{L}$ 41'15 | 1.72333 AU |                     | -7377 Jun 02 j 22:32 | 0° $\mathfrak{X}$                 |            |
|                     | -7380 Dec 08 j 20:48 | 0° $\mathfrak{M}$        |            | morning max el      | -7377 Jun 21 j 12:13 | 16° $\mathfrak{X}$ 39'57          | 46°22'57   |
| evening rise        | -7379 Jan 01 j 13:11 | 29° $\mathfrak{M}$ 12'53 |            |                     | -7377 Jul 04 j 11:55 | 0° $\mathbb{Y}$                   |            |
|                     | -7379 Jan 02 j 04:29 | 0° $\mathbb{A}$          |            |                     | -7377 Jul 31 j 06:11 | 0° $\mathfrak{B}$                 |            |
|                     | -7379 Jan 26 j 14:53 | 0° $\mathfrak{Z}$        |            | asc. node           | -7377 Aug 21 j 09:51 | 25° $\mathfrak{B}$ 11'29          |            |
|                     | -7379 Feb 20 j 04:58 | 0° $\mathfrak{X}$        |            |                     | -7377 Aug 25 j 08:53 | 0° $\mathfrak{I}$                 |            |
| asc. node           | -7379 Mar 05 j 08:53 | 15° $\mathfrak{X}$ 57'05 |            |                     | -7377 Sep 18 j 17:36 | 0° $\mathfrak{C}$                 |            |
|                     | -7379 Mar 17 j 00:40 | 0° $\mathfrak{X}$        |            |                     | -7377 Oct 12 j 19:37 | 0° $\mathcal{O}$                  |            |
|                     | -7379 Apr 11 j 04:30 | 0° $\mathbb{Y}$          |            |                     | -7377 Nov 05 j 21:40 | 0° $\mathfrak{M}$                 |            |
|                     | -7379 May 06 j 20:17 | 0° $\mathfrak{B}$        |            |                     | -7377 Nov 30 j 02:52 | 0° $\mathfrak{L}$                 |            |
|                     | -7379 Jun 02 j 09:15 | 0° $\mathfrak{I}$        |            | desc. node          | -7377 Dec 11 j 17:36 | 14° $\mathfrak{L}$ 19'34          |            |
| desc. node          | -7379 Jun 25 j 19:43 | 24° $\mathfrak{I}$ 48'15 |            |                     | -7377 Dec 24 j 11:21 | 0° $\mathfrak{M}$                 |            |
| evening max el      | -7379 Jun 28 j 04:44 | 27° $\mathfrak{I}$ 10'19 | 47°08'20   | morning set         | -7377 Dec 27 j 07:48 | 3° $\mathfrak{M}$ 30'21           |            |
|                     | -7379 Jul 01 j 02:00 | 0° $\mathfrak{C}$        |            |                     | -7376 Jan 17 j 21:40 | 0° $\mathbb{A}$                   |            |
| greatest brilliancy | -7379 Aug 08 j 15:46 | 28° $\mathfrak{C}$ 05'06 | -4.9m      |                     |                      |                                   |            |
| retrograde          | -7379 Aug 17 j 16:25 | 29° $\mathfrak{C}$ 37'57 |            | superior conj       | -7376 Feb 03 j 23:32 | 20° $\mathbb{A}$ 57'24            | -1°21'47   |
| evening set         | -7379 Sep 03 j 22:39 | 23° $\mathfrak{C}$ 56'11 |            | minimum elong       | -7376 Feb 03 j 22:22 | 20° $\mathbb{A}$ 53'52            | 1°22'15    |
| inferior conj       | -7379 Sep 07 j 08:31 | 21° $\mathfrak{C}$ 52'35 | -8°01'48   | max. Earth dist.    | -7376 Feb 03 j 18:17 | 20° $\mathbb{A}$ 41'20            | 1.73666 AU |
| minimum elong       | -7379 Sep 07 j 17:21 | 21° $\mathfrak{C}$ 39'04 | 8°00'02    |                     | -7376 Feb 11 j 08:23 | 0° $\mathfrak{Z}$                 |            |
| min. Earth dist.    | -7379 Sep 07 j 06:26 | 21° $\mathfrak{C}$ 55'46 | 0.26547 AU |                     | -7376 Mar 06 j 18:58 | 0° $\mathfrak{X}$                 |            |
| morning rise        | -7379 Sep 11 j 12:02 | 19° $\mathfrak{C}$ 23'30 |            | evening rise        | -7376 Mar 11 j 07:02 | 5° $\mathfrak{X}$ 31'37           |            |
| direct              | -7379 Sep 27 j 13:11 | 14° $\mathfrak{C}$ 18'06 |            | greatest brilliancy | -7376 Mar 11 j 21:17 | 6° $\mathfrak{X}$ 15'22           | -3.9m      |
| greatest brilliancy | -7379 Oct 07 j 17:46 | 16° $\mathfrak{C}$ 17'00 | -4.9m      |                     | -7376 Mar 31 j 05:44 | 0° $\mathfrak{X}$                 |            |
| asc. node           | -7379 Oct 16 j 06:07 | 20° $\mathfrak{C}$ 29'24 |            | asc. node           | -7376 Apr 01 j 21:28 | 2° $\mathfrak{X}$ 01'50           |            |
|                     | -7379 Oct 29 j 07:02 | 0° $\mathcal{O}$         |            |                     | -7376 Apr 24 j 17:22 | 0° $\mathbb{Y}$                   |            |
| morning max el      | -7379 Nov 16 j 20:48 | 17° $\mathcal{O}$ 17'29  | 46°31'52   |                     | -7376 May 19 j 06:40 | 0° $\mathfrak{B}$                 |            |
|                     | -7379 Nov 29 j 01:55 | 0° $\mathfrak{M}$        |            |                     | -7376 Jun 12 j 23:08 | 0° $\mathfrak{I}$                 |            |
|                     | -7379 Dec 26 j 04:10 | 0° $\mathfrak{L}$        |            |                     | -7376 Jul 07 j 21:57 | 0° $\mathfrak{C}$                 |            |
|                     | -7378 Jan 21 j 05:45 | 0° $\mathfrak{M}$        |            | desc. node          | -7376 Jul 23 j 06:35 | 18° $\mathfrak{C}$ 10'44          |            |
| desc. node          | -7378 Feb 05 j 17:13 | 18° $\mathfrak{M}$ 05'45 |            |                     | -7376 Aug 02 j 09:53 | 0° $\mathcal{O}$                  |            |
|                     | -7378 Feb 15 j 19:44 | 0° $\mathbb{A}$          |            |                     | -7376 Aug 29 j 03:27 | 0° $\mathfrak{M}$                 |            |
|                     | -7378 Mar 13 j 00:53 | 0° $\mathfrak{Z}$        |            | evening max el      | -7376 Sep 08 j 17:31 | 11° $\mathfrak{M}$ 07'25          | 47°39'33   |
|                     | -7378 Apr 06 j 21:43 | 0° $\mathfrak{X}$        |            |                     | -7376 Sep 28 j 21:06 | 0° $\mathfrak{L}$                 |            |
|                     | -7378 May 01 j 10:44 | 0° $\mathfrak{X}$        |            | greatest brilliancy | -7376 Oct 19 j 10:39 | 13° $\mathfrak{L}$ 06'24          | -4.9m      |
| morning set         | -7378 May 14 j 22:38 | 16° $\mathfrak{X}$ 39'04 |            | retrograde          | -7376 Oct 29 j 22:55 | 15° $\mathfrak{L}$ 14'31          |            |
|                     | -7378 May 25 j 16:50 | 0° $\mathbb{Y}$          |            | asc. node           | -7376 Nov 12 j 16:35 | 11° $\mathfrak{L}$ 19'13          |            |
| asc. node           | -7378 May 28 j 21:31 | 3° $\mathbb{Y}$ 58'31    |            | evening set         | -7376 Nov 13 j 15:35 | 10° $\mathfrak{L}$ 47'30          |            |
| max. Earth dist.    | -7378 Jun 16 j 09:05 | 27° $\mathbb{Y}$ 03'31   | 1.71755 AU | min. Earth dist.    | -7376 Nov 18 j 21:38 | 7° $\mathfrak{L}$ 35'40           | 0.27556 AU |
|                     | -7378 Jun 18 j 17:24 | 0° $\mathfrak{B}$        |            | inferior conj       | -7376 Nov 19 j 19:46 | 7° $\mathfrak{L}$ 00'30           | 1°44'06    |
|                     |                      |                          |            | minimum elong       | -7376 Nov 19 j 16:09 | 7° $\mathfrak{L}$ 06'14           | 1°43'00    |
| superior conj       | -7378 Jun 20 j 09:36 | 2° $\mathfrak{B}$ 06'01  | 0°49'19    | morning rise        | -7376 Nov 25 j 17:48 | 3° $\mathfrak{L}$ 24'51           |            |
| minimum elong       | -7378 Jun 20 j 01:04 | 1° $\mathfrak{B}$ 39'14  | 0°49'12    |                     | -7376 Dec 03 j 16:29 | 30° $\mathfrak{R}$ $\mathfrak{M}$ |            |
|                     | -7378 Jul 12 j 14:23 | 0° $\mathfrak{I}$        |            | direct              | -7376 Dec 10 j 11:29 | 29° $\mathfrak{M}$ 02'35          |            |
| evening rise        | -7378 Jul 28 j 06:18 | 19° $\mathfrak{I}$ 43'32 |            |                     | -7376 Dec 17 j 12:28 | 0° $\mathfrak{L}$                 |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 6

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
| greatest brilliancy | -7376 Dec 19 j 10:02 | 0°♄33'35  | -4.8m      |                     | -7373 Jun 27 j 13:46 | 0°♄       |            |
| morning max el      | -7375 Jan 28 j 12:04 | 29°♄31'18 | 46°00'37   |                     | -7373 Jul 21 j 17:24 | 0°♄       |            |
|                     | -7375 Jan 29 j 00:02 | 0°♄       |            |                     | -7373 Aug 15 j 00:21 | 0°♄       |            |
|                     | -7375 Feb 27 j 01:53 | 0°♄       |            | desc. node          | -7373 Aug 20 j 18:18 | 7°♄03'28  |            |
| desc. node          | -7375 Mar 05 j 05:12 | 6°♄42'25  |            |                     | -7373 Sep 08 j 13:46 | 0°♄       |            |
|                     | -7375 Mar 25 j 22:50 | 0°♄       |            |                     | -7373 Oct 03 j 14:54 | 0°♄       |            |
|                     | -7375 Apr 20 j 17:45 | 0°♄       |            |                     | -7373 Oct 29 j 16:13 | 0°♄       |            |
|                     | -7375 May 15 j 19:17 | 0°♄       |            | evening max el      | -7373 Nov 19 j 07:45 | 22°♄01'08 | 46°16'39   |
|                     | -7375 Jun 09 j 07:45 | 0°♄       |            |                     | -7373 Nov 27 j 12:07 | 0°♄       |            |
| asc. node           | -7375 Jun 25 j 10:44 | 20°♄01'09 |            | asc. node           | -7373 Dec 11 j 03:16 | 11°♄44'55 |            |
|                     | -7375 Jul 03 j 10:24 | 0°♄       |            | greatest brilliancy | -7373 Dec 28 j 03:21 | 21°♄59'28 | -4.8m      |
| greatest brilliancy | -7375 Jul 23 j 03:59 | 24°♄48'58 | -3.9m      | retrograde          | -7372 Jan 08 j 04:36 | 24°♄16'13 |            |
| morning set         | -7375 Jul 23 j 23:07 | 25°♄49'18 |            | evening set         | -7372 Jan 25 j 15:23 | 18°♄21'49 |            |
|                     | -7375 Jul 27 j 06:33 | 0°♄       |            | inferior conj       | -7372 Jan 29 j 14:55 | 15°♄50'39 | 8°01'05    |
|                     | -7375 Aug 19 j 23:50 | 0°♄       |            | minimum elong       | -7372 Jan 29 j 11:51 | 15°♄55'35 | 8°00'27    |
|                     |                      |           |            | min. Earth dist.    | -7372 Jan 29 j 10:47 | 15°♄57'19 | 0.29427 AU |
| superior conj       | -7375 Sep 01 j 20:59 | 16°♄17'19 | 1°18'11    | morning rise        | -7372 Feb 02 j 08:28 | 13°♄28'39 |            |
| minimum elong       | -7375 Sep 02 j 04:29 | 16°♄41'02 | 1°18'34    | direct              | -7372 Feb 20 j 07:12 | 7°♄22'07  |            |
| max. Earth dist.    | -7375 Sep 05 j 09:33 | 20°♄44'22 | 1.70782 AU | greatest brilliancy | -7372 Feb 29 j 17:31 | 8°♄58'18  | -4.7m      |
|                     | -7375 Sep 12 j 17:38 | 0°♄       |            |                     | -7372 Apr 01 j 11:46 | 0°♄       |            |
|                     | -7375 Oct 06 j 14:24 | 0°♄       |            | desc. node          | -7372 Apr 01 j 16:17 | 0°♄10'02  |            |
| evening rise        | -7375 Oct 14 j 16:54 | 10°♄08'32 |            | morning max el      | -7372 Apr 09 j 01:55 | 6°♄59'16  | 45°55'14   |
| desc. node          | -7375 Oct 15 j 17:16 | 11°♄24'38 |            |                     | -7372 May 01 j 16:43 | 0°♄       |            |
|                     | -7375 Oct 30 j 15:12 | 0°♄       |            |                     | -7372 May 28 j 13:41 | 0°♄       |            |
|                     | -7375 Nov 23 j 20:21 | 0°♄       |            |                     | -7372 Jun 22 j 23:59 | 0°♄       |            |
|                     | -7375 Dec 18 j 06:32 | 0°♄       |            |                     | -7372 Jul 17 j 14:02 | 0°♄       |            |
|                     | -7374 Jan 12 j 00:13 | 0°♄       |            | asc. node           | -7372 Jul 22 j 23:43 | 6°♄41'26  |            |
| asc. node           | -7374 Feb 04 j 23:04 | 28°♄28'02 |            |                     | -7372 Aug 10 j 15:43 | 0°♄       |            |
|                     | -7374 Feb 06 j 06:27 | 0°♄       |            |                     | -7372 Sep 03 j 11:11 | 0°♄       |            |
|                     | -7374 Mar 04 j 10:22 | 0°♄       |            |                     | -7372 Sep 27 j 05:30 | 0°♄       |            |
|                     | -7374 Apr 01 j 08:15 | 0°♄       |            | morning set         | -7372 Oct 08 j 07:41 | 13°♄57'57 |            |
| evening max el      | -7374 Apr 13 j 04:04 | 11°♄40'33 | 45°27'59   |                     | -7372 Oct 21 j 02:17 | 0°♄       |            |
|                     | -7374 May 04 j 17:30 | 0°♄       |            | desc. node          | -7372 Nov 12 j 06:22 | 27°♄40'49 |            |
| greatest brilliancy | -7374 May 22 j 01:29 | 9°♄34'02  | -4.8m      |                     | -7372 Nov 14 j 03:07 | 0°♄       |            |
| desc. node          | -7374 May 28 j 11:22 | 11°♄05'49 |            |                     |                      |           |            |
| retrograde          | -7374 Jun 01 j 00:32 | 11°♄19'54 |            | superior conj       | -7372 Nov 19 j 15:52 | 6°♄52'28  | -0°16'48   |
| evening set         | -7374 Jun 16 j 04:01 | 7°♄02'05  |            | minimum elong       | -7372 Nov 19 j 11:31 | 6°♄38'56  | 0°16'36    |
| inferior conj       | -7374 Jun 21 j 23:29 | 3°♄41'12  | -5°30'26   | max. Earth dist.    | -7372 Nov 24 j 19:32 | 13°♄16'06 | 1.72267 AU |
| minimum elong       | -7374 Jun 21 j 13:20 | 3°♄56'26  | 5°27'46    |                     | -7372 Dec 08 j 07:47 | 0°♄       |            |
| min. Earth dist.    | -7374 Jun 22 j 04:15 | 3°♄34'03  | 0.27208 AU | evening rise        | -7372 Dec 30 j 03:41 | 26°♄56'03 |            |
| morning rise        | -7374 Jun 26 j 22:11 | 0°♄47'40  |            |                     | -7371 Jan 01 j 15:27 | 0°♄       |            |
|                     | -7374 Jun 28 j 09:35 | 30°♄      |            |                     | -7371 Jan 26 j 01:53 | 0°♄       |            |
| direct              | -7374 Jul 12 j 23:22 | 25°♄55'36 |            |                     | -7371 Feb 19 j 16:10 | 0°♄       |            |
| greatest brilliancy | -7374 Jul 23 j 23:15 | 28°♄09'11 | -4.9m      | asc. node           | -7371 Mar 04 j 11:06 | 15°♄29'17 |            |
|                     | -7374 Jul 28 j 02:13 | 0°♄       |            |                     | -7371 Mar 16 j 12:21 | 0°♄       |            |
| morning max el      | -7374 Sep 01 j 13:19 | 28°♄56'47 | 46°47'22   |                     | -7371 Apr 10 j 17:04 | 0°♄       |            |
|                     | -7374 Sep 02 j 14:01 | 0°♄       |            |                     | -7371 May 06 j 10:27 | 0°♄       |            |
| asc. node           | -7374 Sep 17 j 21:31 | 16°♄24'57 |            |                     | -7371 Jun 02 j 02:31 | 0°♄       |            |
|                     | -7374 Sep 29 j 21:18 | 0°♄       |            | desc. node          | -7371 Jun 24 j 21:55 | 23°♄55'56 |            |
|                     | -7374 Oct 25 j 08:15 | 0°♄       |            | evening max el      | -7371 Jun 25 j 16:54 | 24°♄42'55 | 47°05'06   |
|                     | -7374 Nov 19 j 05:17 | 0°♄       |            |                     | -7371 Jul 01 j 03:47 | 0°♄       |            |
|                     | -7374 Dec 13 j 23:19 | 0°♄       |            | greatest brilliancy | -7371 Aug 06 j 03:51 | 25°♄34'20 | -4.9m      |
|                     | -7373 Jan 07 j 17:34 | 0°♄       |            | retrograde          | -7371 Aug 15 j 04:29 | 27°♄07'17 |            |
| desc. node          | -7373 Jan 08 j 06:47 | 0°♄40'00  |            | evening set         | -7371 Sep 01 j 13:35 | 21°♄21'13 |            |
|                     | -7373 Feb 01 j 11:28 | 0°♄       |            | inferior conj       | -7371 Sep 04 j 20:30 | 19°♄22'21 | -8°12'22   |
|                     | -7373 Feb 26 j 03:21 | 0°♄       |            | minimum elong       | -7371 Sep 05 j 04:47 | 19°♄09'44 | 8°10'46    |
| morning set         | -7373 Mar 07 j 07:24 | 11°♄11'39 |            | min. Earth dist.    | -7371 Sep 04 j 18:41 | 19°♄25'08 | 0.26553 AU |
|                     | -7373 Mar 22 j 16:02 | 0°♄       |            | morning rise        | -7371 Sep 08 j 19:58 | 16°♄59'33 |            |
| max. Earth dist.    | -7373 Apr 08 j 06:28 | 20°♄24'35 | 1.73428 AU | direct              | -7371 Sep 25 j 01:15 | 11°♄47'49 |            |
|                     |                      |           |            | greatest brilliancy | -7371 Oct 05 j 06:50 | 13°♄47'56 | -4.9m      |
| superior conj       | -7373 Apr 11 j 20:13 | 24°♄48'40 | -0°41'15   | asc. node           | -7371 Oct 15 j 08:11 | 18°♄58'15 |            |
| minimum elong       | -7373 Apr 12 j 03:08 | 25°♄09'58 | 0°41'19    |                     | -7371 Oct 29 j 17:24 | 0°♄       |            |
|                     | -7373 Apr 16 j 01:12 | 0°♄       |            | morning max el      | -7371 Nov 14 j 10:38 | 14°♄53'06 | 46°33'04   |
| asc. node           | -7373 Apr 30 j 10:26 | 17°♄46'37 |            |                     | -7371 Nov 28 j 21:00 | 0°♄       |            |
|                     | -7373 May 10 j 07:16 | 0°♄       |            |                     | -7371 Dec 25 j 19:13 | 0°♄       |            |
| evening rise        | -7373 May 17 j 07:46 | 8°♄42'29  |            |                     | -7370 Jan 20 j 18:56 | 0°♄       |            |
|                     | -7373 Jun 03 j 11:01 | 0°♄       |            | desc. node          | -7370 Feb 04 j 19:22 | 17°♄35'30 |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 7

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7370 Feb 15 j 07:50 | 0°♁       |            |                     | -7368 Sep 29 j 10:22 | 0°♁       |            |
|                     | -7370 Mar 12 j 12:19 | 0°♁       |            | greatest brilliancy | -7368 Oct 17 j 03:07 | 10°♁46'04 | -4.9m      |
|                     | -7370 Apr 06 j 08:45 | 0°♁       |            | retrograde          | -7368 Oct 27 j 14:22 | 12°♁52'39 |            |
|                     | -7370 Apr 30 j 21:33 | 0°♁       |            | evening set         | -7368 Nov 11 j 06:25 | 8°♁26'43  |            |
| morning set         | -7370 May 12 j 17:28 | 14°♁35'32 |            | asc. node           | -7368 Nov 11 j 18:52 | 8°♁09'00  |            |
|                     | -7370 May 25 j 03:36 | 0°♁       |            | min. Earth dist.    | -7368 Nov 16 j 12:44 | 5°♁14'20  | 0.27485 AU |
| asc. node           | -7370 May 27 j 23:42 | 3°♁31'51  |            | inferior conj       | -7368 Nov 17 j 10:30 | 4°♁39'44  | 1°22'51    |
| max. Earth dist.    | -7370 Jun 14 j 01:07 | 24°♁49'34 | 1.71819 AU | minimum elong       | -7368 Nov 17 j 07:36 | 4°♁44'21  | 1°22'00    |
|                     |                      |           |            | morning rise        | -7368 Nov 23 j 09:54 | 1°♁02'23  |            |
| superior conj       | -7370 Jun 18 j 02:19 | 29°♁53'59 | 0°46'38    |                     | -7368 Nov 25 j 09:20 | 30°♁      |            |
| minimum elong       | -7370 Jun 17 j 18:05 | 29°♁28'11 | 0°46'30    | direct              | -7368 Dec 08 j 01:56 | 26°♁43'22 |            |
|                     | -7370 Jun 18 j 04:14 | 0°♁       |            | greatest brilliancy | -7368 Dec 17 j 00:24 | 28°♁14'25 | -4.8m      |
|                     | -7370 Jul 12 j 01:21 | 0°♁       |            |                     | -7368 Dec 21 j 11:50 | 0°♁       |            |
| evening rise        | -7370 Jul 25 j 19:24 | 17°♁18'45 |            | morning max el      | -7367 Jan 26 j 02:39 | 27°♁16'00 | 46°01'22   |
|                     | -7370 Aug 04 j 21:22 | 0°♁       |            |                     | -7367 Jan 28 j 22:25 | 0°♁       |            |
|                     | -7370 Aug 28 j 18:48 | 0°♁       |            |                     | -7367 Feb 26 j 17:42 | 0°♁       |            |
| desc. node          | -7370 Sep 17 j 06:29 | 24°♁20'12 |            | desc. node          | -7367 Mar 04 j 07:18 | 6°♁06'33  |            |
|                     | -7370 Sep 21 j 19:43 | 0°♁       |            |                     | -7367 Mar 25 j 12:14 | 0°♁       |            |
|                     | -7370 Oct 16 j 01:44 | 0°♁       |            |                     | -7367 Apr 20 j 05:59 | 0°♁       |            |
|                     | -7370 Nov 09 j 15:01 | 0°♁       |            |                     | -7367 May 15 j 06:53 | 0°♁       |            |
|                     | -7370 Dec 04 j 16:46 | 0°♁       |            |                     | -7367 Jun 08 j 19:01 | 0°♁       |            |
|                     | -7370 Dec 30 j 19:33 | 0°♁       |            | asc. node           | -7367 Jun 24 j 12:57 | 19°♁33'18 |            |
| asc. node           | -7369 Jan 07 j 13:59 | 8°♁31'38  |            |                     | -7367 Jul 02 j 21:30 | 0°♁       |            |
|                     | -7369 Jan 28 j 10:39 | 0°♁       |            | morning set         | -7367 Jul 21 j 12:48 | 23°♁26'10 |            |
| evening max el      | -7369 Jan 29 j 03:15 | 0°♁39'52  | 45°03'27   |                     | -7367 Jul 26 j 17:37 | 0°♁       |            |
| greatest brilliancy | -7369 Mar 07 j 15:49 | 27°♁48'37 | -4.7m      |                     | -7367 Aug 19 j 10:55 | 0°♁       |            |
| retrograde          | -7369 Mar 18 j 05:17 | 29°♁47'15 |            |                     |                      |           |            |
| evening set         | -7369 Apr 03 j 04:01 | 24°♁58'41 |            | superior conj       | -7367 Aug 30 j 07:31 | 13°♁43'53 | 1°19'27    |
| inferior conj       | -7369 Apr 08 j 13:59 | 21°♁44'34 | 4°37'54    | minimum elong       | -7367 Aug 30 j 14:09 | 14°♁04'50 | 1°19'51    |
| minimum elong       | -7369 Apr 08 j 22:20 | 21°♁31'39 | 4°35'37    | max. Earth dist.    | -7367 Sep 02 j 10:32 | 17°♁40'49 | 1.70769 AU |
| min. Earth dist.    | -7369 Apr 09 j 15:31 | 21°♁05'08 | 0.28919 AU |                     | -7367 Sep 12 j 04:48 | 0°♁       |            |
| morning rise        | -7369 Apr 14 j 16:03 | 18°♁06'32 |            |                     | -7367 Oct 06 j 01:37 | 0°♁       |            |
| direct              | -7369 Apr 30 j 10:58 | 13°♁23'14 |            | evening rise        | -7367 Oct 12 j 00:50 | 7°♁28'08  |            |
| desc. node          | -7369 Apr 30 j 02:55 | 13°♁23'22 |            | desc. node          | -7367 Oct 14 j 19:20 | 10°♁55'57 |            |
| greatest brilliancy | -7369 May 11 j 17:24 | 15°♁39'43 | -4.8m      |                     | -7367 Oct 30 j 02:29 | 0°♁       |            |
|                     | -7369 Jun 03 j 07:28 | 0°♁       |            |                     | -7367 Nov 23 j 07:45 | 0°♁       |            |
| morning max el      | -7369 Jun 19 j 04:43 | 14°♁28'41 | 46°21'43   |                     | -7367 Dec 17 j 18:09 | 0°♁       |            |
|                     | -7369 Jul 04 j 05:58 | 0°♁       |            |                     | -7366 Jan 11 j 12:17 | 0°♁       |            |
|                     | -7369 Jul 30 j 20:41 | 0°♁       |            | asc. node           | -7366 Feb 04 j 01:16 | 27°♁56'41 |            |
| asc. node           | -7369 Aug 20 j 12:04 | 24°♁38'12 |            |                     | -7366 Feb 05 j 19:27 | 0°♁       |            |
|                     | -7369 Aug 24 j 21:55 | 0°♁       |            |                     | -7366 Mar 04 j 01:19 | 0°♁       |            |
|                     | -7369 Sep 18 j 05:54 | 0°♁       |            |                     | -7366 Apr 01 j 04:10 | 0°♁       |            |
|                     | -7369 Oct 12 j 07:30 | 0°♁       |            | evening max el      | -7366 Apr 10 j 17:18 | 9°♁21'30  | 45°25'26   |
|                     | -7369 Nov 05 j 09:15 | 0°♁       |            |                     | -7366 May 05 j 15:32 | 0°♁       |            |
|                     | -7369 Nov 29 j 14:11 | 0°♁       |            | greatest brilliancy | -7366 May 19 j 14:10 | 7°♁12'39  | -4.8m      |
| desc. node          | -7369 Dec 10 j 19:49 | 13°♁51'52 |            | desc. node          | -7366 May 27 j 13:40 | 8°♁54'01  |            |
|                     | -7369 Dec 23 j 22:26 | 0°♁       |            | retrograde          | -7366 May 29 j 12:36 | 8°♁58'20  |            |
| morning set         | -7369 Dec 24 j 20:52 | 1°♁08'58  |            | evening set         | -7366 Jun 13 j 14:20 | 4°♁43'41  |            |
|                     | -7368 Jan 17 j 08:34 | 0°♁       |            | inferior conj       | -7366 Jun 19 j 12:32 | 1°♁19'29  | -5°11'59   |
|                     |                      |           |            | minimum elong       | -7366 Jun 19 j 02:39 | 1°♁34'18  | 5°09'20    |
| superior conj       | -7368 Feb 01 j 16:27 | 18°♁48'46 | -1°21'31   | min. Earth dist.    | -7366 Jun 19 j 18:39 | 1°♁10'19  | 0.27249 AU |
| minimum elong       | -7368 Feb 01 j 14:35 | 18°♁43'05 | 1°22'00    |                     | -7366 Jun 21 j 17:44 | 30°♁      |            |
| max. Earth dist.    | -7368 Feb 01 j 16:49 | 18°♁49'55 | 1.73643 AU | morning rise        | -7366 Jun 24 j 14:22 | 28°♁21'19 |            |
|                     | -7368 Feb 10 j 19:11 | 0°♁       |            | direct              | -7366 Jul 10 j 12:32 | 23°♁32'39 |            |
|                     | -7368 Mar 06 j 05:48 | 0°♁       |            | greatest brilliancy | -7366 Jul 21 j 14:39 | 25°♁47'42 | -4.9m      |
| evening rise        | -7368 Mar 09 j 02:01 | 3°♁29'21  |            |                     | -7366 Jul 29 j 23:02 | 0°♁       |            |
| greatest brilliancy | -7368 Mar 10 j 11:20 | 5°♁11'32  | -3.9m      | morning max el      | -7366 Aug 30 j 01:39 | 26°♁27'56 | 46°47'17   |
|                     | -7368 Mar 30 j 16:44 | 0°♁       |            |                     | -7366 Sep 02 j 11:56 | 0°♁       |            |
| asc. node           | -7368 Mar 31 j 23:32 | 1°♁34'24  |            | asc. node           | -7366 Sep 16 j 23:33 | 15°♁40'26 |            |
|                     | -7368 Apr 24 j 04:39 | 0°♁       |            |                     | -7366 Sep 29 j 13:30 | 0°♁       |            |
|                     | -7368 May 18 j 18:25 | 0°♁       |            |                     | -7366 Oct 24 j 22:16 | 0°♁       |            |
|                     | -7368 Jun 12 j 11:35 | 0°♁       |            |                     | -7366 Nov 18 j 18:09 | 0°♁       |            |
|                     | -7368 Jul 07 j 11:30 | 0°♁       |            |                     | -7366 Dec 13 j 11:30 | 0°♁       |            |
| desc. node          | -7368 Jul 22 j 08:50 | 17°♁34'48 |            | desc. node          | -7365 Jan 07 j 08:54 | 0°♁11'02  |            |
|                     | -7368 Aug 02 j 01:19 | 0°♁       |            |                     | -7365 Jan 07 j 05:16 | 0°♁       |            |
|                     | -7368 Aug 28 j 23:03 | 0°♁       |            |                     | -7365 Jan 31 j 22:49 | 0°♁       |            |
| evening max el      | -7368 Sep 06 j 09:47 | 8°♁49'27  | 47°40'34   |                     | -7365 Feb 25 j 14:27 | 0°♁       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 8

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |     |       |            |                     |                      |     |       |            |
|---------------------|----------------------|-----|-------|------------|---------------------|----------------------|-----|-------|------------|
| morning set         | -7365 Mar 05 j 01:43 | 9°  | 07'20 |            | inferior conj       | -7363 Sep 02 j 08:28 | 16° | 51'13 | -8°21'55   |
|                     | -7365 Mar 22 j 02:58 | 0°  |       |            | minimum elong       | -7363 Sep 02 j 16:08 | 16° | 39'34 | 8°20'30    |
| max. Earth dist.    | -7365 Apr 06 j 03:24 | 18° | 27'39 | 1.73465 AU | min. Earth dist.    | -7363 Sep 02 j 06:33 | 16° | 54'08 | 0.26559 AU |
|                     |                      |     |       |            | morning rise        | -7363 Sep 06 j 03:55 | 14° | 34'38 |            |
| superior conj       | -7365 Apr 09 j 15:32 | 22° | 46'44 | -0°43'48   | direct              | -7363 Sep 22 j 13:52 | 9°  | 16'47 |            |
| minimum elong       | -7365 Apr 09 j 22:43 | 23° | 08'52 | 0°43'51    | greatest brilliancy | -7363 Oct 02 j 19:22 | 11° | 17'20 | -4.9m      |
|                     | -7365 Apr 15 j 12:07 | 0°  |       |            | asc. node           | -7363 Oct 14 j 10:29 | 17° | 29'53 |            |
| asc. node           | -7365 Apr 29 j 12:37 | 17° | 19'27 |            |                     | -7363 Oct 30 j 01:23 | 0°  |       |            |
|                     | -7365 May 09 j 18:17 | 0°  |       |            | morning max el      | -7363 Nov 12 j 01:10 | 12° | 29'37 | 46°34'15   |
| evening rise        | -7365 May 15 j 02:46 | 6°  | 38'13 |            |                     | -7363 Nov 28 j 15:53 | 0°  |       |            |
|                     | -7365 Jun 02 j 22:16 | 0°  |       |            |                     | -7363 Dec 25 j 10:20 | 0°  |       |            |
|                     | -7365 Jun 27 j 01:20 | 0°  |       |            |                     | -7362 Jan 20 j 08:16 | 0°  |       |            |
|                     | -7365 Jul 21 j 05:19 | 0°  |       |            | desc. node          | -7362 Feb 03 j 21:28 | 17° | 04'21 |            |
|                     | -7365 Aug 14 j 12:44 | 0°  |       |            |                     | -7362 Feb 14 j 20:10 | 0°  |       |            |
| desc. node          | -7365 Aug 19 j 20:23 | 6°  | 31'29 |            |                     | -7362 Mar 12 j 00:02 | 0°  |       |            |
|                     | -7365 Sep 08 j 02:49 | 0°  |       |            |                     | -7362 Apr 05 j 20:07 | 0°  |       |            |
|                     | -7365 Oct 03 j 05:08 | 0°  |       |            |                     | -7362 Apr 30 j 08:45 | 0°  |       |            |
|                     | -7365 Oct 29 j 09:03 | 0°  |       |            | morning set         | -7362 May 10 j 12:09 | 12° | 30'24 |            |
| evening max el      | -7365 Nov 16 j 22:30 | 19° | 43'32 | 46°20'03   |                     | -7362 May 24 j 14:45 | 0°  |       |            |
|                     | -7365 Nov 27 j 13:43 | 0°  |       |            | asc. node           | -7362 May 27 j 01:55 | 3°  | 04'01 |            |
| asc. node           | -7365 Dec 10 j 05:31 | 10° | 37'55 |            | max. Earth dist.    | -7362 Jun 11 j 14:52 | 22° | 27'28 | 1.71880 AU |
| greatest brilliancy | -7365 Dec 25 j 20:34 | 19° | 50'36 | -4.8m      |                     |                      |     |       |            |
| retrograde          | -7364 Jan 05 j 22:06 | 22° | 08'16 |            | superior conj       | -7362 Jun 15 j 18:57 | 27° | 40'40 | 0°43'53    |
| evening set         | -7364 Jan 23 j 07:05 | 16° | 15'48 |            | minimum elong       | -7362 Jun 15 j 11:03 | 27° | 15'58 | 0°43'44    |
| inferior conj       | -7364 Jan 27 j 08:16 | 13° | 42'16 | 7°57'50    |                     | -7362 Jun 17 j 15:26 | 0°  |       |            |
| minimum elong       | -7364 Jan 27 j 04:35 | 13° | 48'11 | 7°57'10    |                     | -7362 Jul 11 j 12:39 | 0°  |       |            |
| min. Earth dist.    | -7364 Jan 27 j 02:56 | 13° | 50'50 | 0.29398 AU | evening rise        | -7362 Jul 23 j 08:32 | 14° | 53'10 |            |
| morning rise        | -7364 Jan 31 j 02:13 | 11° | 19'41 |            |                     | -7362 Aug 04 j 08:49 | 0°  |       |            |
| direct              | -7364 Feb 17 j 23:19 | 5°  | 14'01 |            |                     | -7362 Aug 28 j 06:28 | 0°  |       |            |
| greatest brilliancy | -7364 Feb 27 j 09:22 | 6°  | 49'55 | -4.7m      | desc. node          | -7362 Sep 16 j 08:35 | 23° | 49'47 |            |
| desc. node          | -7364 Mar 31 j 18:23 | 29° | 17'04 |            |                     | -7362 Sep 21 j 07:38 | 0°  |       |            |
|                     | -7364 Apr 01 j 13:21 | 0°  |       |            |                     | -7362 Oct 15 j 13:56 | 0°  |       |            |
| morning max el      | -7364 Apr 06 j 18:17 | 4°  | 50'26 | 45°54'52   |                     | -7362 Nov 09 j 03:42 | 0°  |       |            |
|                     | -7364 May 01 j 09:21 | 0°  |       |            |                     | -7362 Dec 04 j 06:22 | 0°  |       |            |
|                     | -7364 May 28 j 03:33 | 0°  |       |            |                     | -7362 Dec 30 j 11:19 | 0°  |       |            |
|                     | -7364 Jun 22 j 12:38 | 0°  |       |            | asc. node           | -7361 Jan 06 j 16:11 | 7°  | 52'04 |            |
|                     | -7364 Jul 17 j 02:05 | 0°  |       |            | evening max el      | -7361 Jan 26 j 19:35 | 28° | 30'18 | 45°04'33   |
| asc. node           | -7364 Jul 22 j 01:50 | 6°  | 10'55 |            |                     | -7361 Jan 28 j 09:14 | 0°  |       |            |
|                     | -7364 Aug 10 j 03:28 | 0°  |       |            | greatest brilliancy | -7361 Mar 05 j 07:31 | 25° | 40'01 | -4.7m      |
|                     | -7364 Sep 02 j 22:45 | 0°  |       |            | retrograde          | -7361 Mar 15 j 21:09 | 27° | 38'37 |            |
|                     | -7364 Sep 26 j 16:57 | 0°  |       |            | evening set         | -7361 Mar 31 j 22:34 | 22° | 46'31 |            |
| morning set         | -7364 Oct 05 j 17:28 | 11° | 21'49 |            | inferior conj       | -7361 Apr 06 j 06:12 | 19° | 35'00 | 4°53'18    |
|                     | -7364 Oct 20 j 13:38 | 0°  |       |            | minimum elong       | -7361 Apr 06 j 14:46 | 19° | 21'43 | 4°51'00    |
| desc. node          | -7364 Nov 11 j 08:37 | 27° | 12'42 |            | min. Earth dist.    | -7361 Apr 07 j 07:23 | 18° | 55'58 | 0.28975 AU |
|                     | -7364 Nov 13 j 14:23 | 0°  |       |            | morning rise        | -7361 Apr 12 j 06:24 | 15° | 58'56 |            |
|                     |                      |     |       |            | direct              | -7361 Apr 28 j 03:58 | 11° | 12'52 |            |
| superior conj       | -7364 Nov 17 j 02:11 | 4°  | 20'30 | -0°13'04   | desc. node          | -7361 Apr 29 j 05:16 | 11° | 14'09 |            |
| minimum elong       | -7364 Nov 16 j 22:45 | 4°  | 09'49 | 0°12'54    | greatest brilliancy | -7361 May 09 j 08:21 | 13° | 27'18 | -4.7m      |
| behind sun begin    | -7364 Nov 16 j 06:18 | 3°  | 18'43 |            |                     | -7361 Jun 03 j 14:34 | 0°  |       |            |
| behind sun end      | -7364 Nov 17 j 15:12 | 5°  | 00'55 |            | morning max el      | -7361 Jun 16 j 20:29 | 12° | 14'16 | 46°20'27   |
| max. Earth dist.    | -7364 Nov 22 j 07:12 | 10° | 48'36 | 1.72202 AU |                     | -7361 Jul 04 j 00:06 | 0°  |       |            |
|                     | -7364 Dec 07 j 19:00 | 0°  |       |            |                     | -7361 Jul 30 j 11:27 | 0°  |       |            |
| evening rise        | -7364 Dec 27 j 18:14 | 24° | 38'39 |            | asc. node           | -7361 Aug 19 j 14:11 | 24° | 03'37 |            |
|                     | -7363 Jan 01 j 02:38 | 0°  |       |            |                     | -7361 Aug 24 j 11:14 | 0°  |       |            |
|                     | -7363 Jan 25 j 13:09 | 0°  |       |            |                     | -7361 Sep 17 j 18:28 | 0°  |       |            |
|                     | -7363 Feb 19 j 03:43 | 0°  |       |            |                     | -7361 Oct 11 j 19:37 | 0°  |       |            |
| asc. node           | -7363 Mar 03 j 13:09 | 14° | 59'51 |            |                     | -7361 Nov 04 j 21:05 | 0°  |       |            |
|                     | -7363 Mar 16 j 00:27 | 0°  |       |            |                     | -7361 Nov 29 j 01:46 | 0°  |       |            |
|                     | -7363 Apr 10 j 06:07 | 0°  |       |            | desc. node          | -7361 Dec 09 j 21:53 | 13° | 22'51 |            |
|                     | -7363 May 06 j 01:09 | 0°  |       |            | morning set         | -7361 Dec 22 j 09:53 | 28° | 46'30 |            |
|                     | -7363 Jun 01 j 20:30 | 0°  |       |            |                     | -7361 Dec 23 j 09:47 | 0°  |       |            |
| evening max el      | -7363 Jun 23 j 06:00 | 22° | 17'10 | 47°01'57   |                     | -7360 Jan 16 j 19:44 | 0°  |       |            |
| desc. node          | -7363 Jun 24 j 00:07 | 23° | 01'44 |            |                     |                      |     |       |            |
|                     | -7363 Jul 01 j 07:23 | 0°  |       |            | superior conj       | -7360 Jan 30 j 09:22 | 16° | 39'16 | -1°21'09   |
| greatest brilliancy | -7363 Aug 03 j 15:16 | 23° | 02'16 | -4.9m      | minimum elong       | -7360 Jan 30 j 06:50 | 16° | 31'29 | 1°21'37    |
| retrograde          | -7363 Aug 12 j 16:58 | 24° | 35'50 |            | max. Earth dist.    | -7360 Jan 30 j 15:13 | 16° | 57'12 | 1.73616 AU |
| evening set         | -7363 Aug 30 j 04:22 | 18° | 45'41 |            |                     | -7360 Feb 10 j 06:16 | 0°  |       |            |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7360 Mar 05 j 16:54 | 0°♊       |            | greatest brilliancy | -7358 Jul 19 j 06:18 | 23°♊26'38 | -4.9m      |
| evening rise        | -7360 Mar 06 j 21:03 | 1°♊26'20  |            |                     | -7358 Jul 31 j 05:49 | 0°♋       |            |
| greatest brilliancy | -7360 Mar 08 j 20:36 | 3°♊52'14  | -3.9m      | morning max el      | -7358 Aug 27 j 15:02 | 24°♋01'17 | 46°46'59   |
|                     | -7360 Mar 30 j 04:00 | 0°♌       |            |                     | -7358 Sep 02 j 09:18 | 0°♍       |            |
| asc. node           | -7360 Mar 31 j 01:46 | 1°♌06'40  |            | asc. node           | -7358 Sep 16 j 01:52 | 14°♍56'35 |            |
|                     | -7360 Apr 23 j 16:16 | 0°♎       |            |                     | -7358 Sep 29 j 05:41 | 0°♏       |            |
|                     | -7360 May 18 j 06:33 | 0°♐       |            |                     | -7358 Oct 24 j 12:22 | 0°♑       |            |
|                     | -7360 Jun 12 j 00:29 | 0°♒       |            |                     | -7358 Nov 18 j 07:07 | 0°♓       |            |
|                     | -7360 Jul 07 j 01:34 | 0°♈       |            |                     | -7358 Dec 12 j 23:43 | 0°♉       |            |
| desc. node          | -7360 Jul 21 j 10:54 | 16°♈56'58 |            | desc. node          | -7357 Jan 06 j 10:57 | 29°♉41'42 |            |
|                     | -7360 Aug 01 j 17:22 | 0°♊       |            |                     | -7357 Jan 06 j 16:59 | 0°♋       |            |
|                     | -7360 Aug 28 j 19:35 | 0°♌       |            |                     | -7357 Jan 31 j 10:11 | 0°♍       |            |
| evening max el      | -7360 Sep 04 j 01:16 | 6°♌28'29  | 47°41'38   |                     | -7357 Feb 25 j 01:33 | 0°♎       |            |
|                     | -7360 Sep 30 j 04:27 | 0°♏       |            | morning set         | -7357 Mar 02 j 20:05 | 7°♎02'57  |            |
| greatest brilliancy | -7360 Oct 14 j 20:05 | 8°♏25'31  | -4.9m      |                     | -7357 Mar 21 j 13:56 | 0°♐       |            |
| retrograde          | -7360 Oct 25 j 05:20 | 10°♏29'56 |            | max. Earth dist.    | -7357 Apr 04 j 01:36 | 16°♐34'33 | 1.73500 AU |
| evening set         | -7360 Nov 08 j 21:28 | 6°♐04'53  |            |                     |                      |           |            |
| asc. node           | -7360 Nov 10 j 21:10 | 4°♐55'10  |            | superior conj       | -7357 Apr 07 j 11:05 | 20°♐45'25 | -0°46'16   |
| min. Earth dist.    | -7360 Nov 14 j 04:13 | 2°♐51'50  | 0.27415 AU | minimum elong       | -7357 Apr 07 j 18:31 | 21°♐08'17 | 0°46'20    |
| inferior conj       | -7360 Nov 15 j 01:17 | 2°♑18'17  | 1°01'29    |                     | -7357 Apr 14 j 23:03 | 0°♒       |            |
| minimum elong       | -7360 Nov 14 j 23:07 | 2°♑21'45  | 1°00'52    | asc. node           | -7357 Apr 28 j 14:51 | 16°♒52'21 |            |
|                     | -7360 Nov 18 j 17:59 | 30°♒      |            |                     | -7357 May 09 j 05:19 | 0°♓       |            |
| morning rise        | -7360 Nov 21 j 01:52 | 28°♒39'17 |            | evening rise        | -7357 May 12 j 22:08 | 4°♓35'10  |            |
| direct              | -7360 Dec 05 j 15:54 | 24°♒23'23 |            |                     | -7357 Jun 02 j 09:31 | 0°♋       |            |
| greatest brilliancy | -7360 Dec 14 j 15:19 | 25°♒54'57 | -4.8m      |                     | -7357 Jun 26 j 12:52 | 0°♍       |            |
|                     | -7360 Dec 23 j 14:48 | 0°♌       |            |                     | -7357 Jul 20 j 17:15 | 0°♏       |            |
| morning max el      | -7359 Jan 23 j 16:39 | 24°♌58'25 | 46°02'10   |                     | -7357 Aug 14 j 01:11 | 0°♊       |            |
|                     | -7359 Jan 28 j 20:13 | 0°♍       |            | desc. node          | -7357 Aug 18 j 22:30 | 5°♊59'26  |            |
|                     | -7359 Feb 26 j 09:31 | 0°♎       |            |                     | -7357 Sep 07 j 16:02 | 0°♌       |            |
| desc. node          | -7359 Mar 03 j 09:24 | 5°♎30'18  |            |                     | -7357 Oct 02 j 19:37 | 0°♏       |            |
|                     | -7359 Mar 25 j 01:45 | 0°♐       |            |                     | -7357 Oct 29 j 02:20 | 0°♐       |            |
|                     | -7359 Apr 19 j 18:22 | 0°♒       |            | evening max el      | -7357 Nov 14 j 14:14 | 17°♐28'04 | 46°23'42   |
|                     | -7359 May 14 j 18:40 | 0°♌       |            |                     | -7357 Nov 27 j 16:52 | 0°♎       |            |
|                     | -7359 Jun 08 j 06:29 | 0°♎       |            | asc. node           | -7357 Dec 09 j 07:42 | 9°♎28'49  |            |
| asc. node           | -7359 Jun 23 j 15:03 | 19°♎04'19 |            | greatest brilliancy | -7357 Dec 23 j 13:21 | 17°♎41'04 | -4.8m      |
|                     | -7359 Jul 02 j 08:51 | 0°♋       |            | retrograde          | -7356 Jan 03 j 16:03 | 20°♎00'14 |            |
| morning set         | -7359 Jul 19 j 02:20 | 21°♋01'43 |            | evening set         | -7356 Jan 20 j 22:37 | 14°♎09'56 |            |
|                     | -7359 Jul 26 j 04:57 | 0°♍       |            | inferior conj       | -7356 Jan 25 j 01:35 | 11°♎33'48 | 7°54'00    |
|                     | -7359 Aug 18 j 22:18 | 0°♏       |            | minimum elong       | -7356 Jan 24 j 21:19 | 11°♎40'41 | 7°53'15    |
|                     |                      |           |            | min. Earth dist.    | -7356 Jan 24 j 18:45 | 11°♎44'47 | 0.29363 AU |
| superior conj       | -7359 Aug 27 j 17:50 | 11°♏08'50 | 1°20'33    | morning rise        | -7356 Jan 28 j 20:11 | 9°♎10'27  |            |
| minimum elong       | -7359 Aug 27 j 23:31 | 11°♏26'49 | 1°20'58    | direct              | -7356 Feb 15 j 15:52 | 3°♎05'59  |            |
| max. Earth dist.    | -7359 Aug 30 j 08:34 | 14°♏27'03 | 1.70758 AU | greatest brilliancy | -7356 Feb 25 j 00:42 | 4°♎41'17  | -4.7m      |
|                     | -7359 Sep 11 j 16:13 | 0°♊       |            | desc. node          | -7356 Mar 30 j 20:44 | 28°♎26'01 |            |
|                     | -7359 Oct 05 j 13:03 | 0°♌       |            |                     | -7356 Apr 01 j 13:34 | 0°♐       |            |
| evening rise        | -7359 Oct 09 j 08:23 | 4°♌45'48  |            | morning max el      | -7356 Apr 04 j 11:28 | 2°♐44'01  | 45°54'31   |
| desc. node          | -7359 Oct 13 j 21:33 | 10°♌27'02 |            |                     | -7356 May 01 j 01:33 | 0°♒       |            |
|                     | -7359 Oct 29 j 13:58 | 0°♏       |            |                     | -7356 May 27 j 17:11 | 0°♌       |            |
|                     | -7359 Nov 22 j 19:20 | 0°♐       |            |                     | -7356 Jun 22 j 01:06 | 0°♎       |            |
|                     | -7359 Dec 17 j 05:58 | 0°♎       |            |                     | -7356 Jul 16 j 13:58 | 0°♋       |            |
|                     | -7358 Jan 11 j 00:34 | 0°♐       |            | asc. node           | -7356 Jul 21 j 03:59 | 5°♋40'59  |            |
| asc. node           | -7358 Feb 03 j 03:24 | 27°♐24'33 |            |                     | -7356 Aug 09 j 15:02 | 0°♍       |            |
|                     | -7358 Feb 05 j 08:41 | 0°♒       |            |                     | -7356 Sep 02 j 10:09 | 0°♏       |            |
|                     | -7358 Mar 03 j 16:37 | 0°♌       |            |                     | -7356 Sep 26 j 04:16 | 0°♊       |            |
|                     | -7358 Apr 01 j 00:48 | 0°♎       |            | morning set         | -7356 Oct 03 j 03:14 | 8°♊45'53  |            |
| evening max el      | -7358 Apr 08 j 06:30 | 7°♎02'24  | 45°23'04   |                     | -7356 Oct 20 j 00:54 | 0°♌       |            |
|                     | -7358 May 06 j 21:43 | 0°♋       |            | desc. node          | -7356 Nov 10 j 10:41 | 26°♌44'13 |            |
| greatest brilliancy | -7358 May 17 j 02:16 | 4°♋50'54  | -4.8m      |                     | -7356 Nov 13 j 01:36 | 0°♏       |            |
| desc. node          | -7358 May 26 j 15:47 | 6°♋37'11  |            |                     |                      |           |            |
| retrograde          | -7358 May 27 j 01:06 | 6°♋37'21  |            | superior conj       | -7356 Nov 14 j 11:55 | 1°♏46'45  | -0°09'17   |
| evening set         | -7358 Jun 11 j 00:58 | 2°♋25'08  |            | minimum elong       | -7356 Nov 14 j 09:28 | 1°♏39'07  | 0°09'07    |
|                     | -7358 Jun 15 j 08:05 | 30°♋      |            | behind sun begin    | -7356 Nov 13 j 10:59 | 0°♏29'11  |            |
| inferior conj       | -7358 Jun 17 j 01:42 | 28°♎58'00 | -4°53'02   | behind sun end      | -7356 Nov 15 j 07:57 | 2°♏49'02  |            |
| minimum elong       | -7358 Jun 16 j 16:09 | 29°♎12'17 | 4°50'25    | max. Earth dist.    | -7356 Nov 19 j 18:14 | 8°♏19'14  | 1.72139 AU |
| min. Earth dist.    | -7358 Jun 17 j 08:56 | 28°♎47'09 | 0.27297 AU |                     | -7356 Dec 07 j 06:08 | 0°♐       |            |
| morning rise        | -7358 Jun 22 j 06:38 | 25°♎55'34 |            | evening rise        | -7356 Dec 25 j 08:14 | 22°♐19'51 |            |
| direct              | -7358 Jul 08 j 02:04 | 21°♎09'46 |            |                     | -7356 Dec 31 j 13:43 | 0°♎       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|--|---------------------|----------------------|-----------|------------|--|
|                     | -7355 Jan 25 j 00:19 | 0°☾       |            |  |                     | -7353 Sep 17 j 06:38 | 0°☾       |            |  |
|                     | -7355 Feb 18 j 15:08 | 0°☾       |            |  |                     | -7353 Oct 11 j 07:22 | 0°♌       |            |  |
| asc. node           | -7355 Mar 02 j 15:26 | 14°☾31'36 |            |  |                     | -7353 Nov 04 j 08:30 | 0°♍       |            |  |
|                     | -7355 Mar 15 j 12:25 | 0°☾       |            |  |                     | -7353 Nov 28 j 12:56 | 0°♎       |            |  |
|                     | -7355 Apr 09 j 19:04 | 0°♍       |            |  | desc. node          | -7353 Dec 08 j 23:55 | 12°♎54'57 |            |  |
|                     | -7355 May 05 j 15:48 | 0°♍       |            |  | morning set         | -7353 Dec 19 j 22:59 | 26°♎25'22 |            |  |
|                     | -7355 Jun 01 j 14:38 | 0°♍       |            |  |                     | -7353 Dec 22 j 20:45 | 0°♏       |            |  |
| evening max el      | -7355 Jun 20 j 20:10 | 19°♍55'06 | 46°58'47   |  |                     | -7352 Jan 16 j 06:34 | 0°♐       |            |  |
| desc. node          | -7355 Jun 23 j 02:17 | 22°♍07'15 |            |  |                     |                      |           |            |  |
|                     | -7355 Jul 01 j 12:17 | 0°☾       |            |  | superior conj       | -7352 Jan 28 j 02:13 | 14°♐30'33 | -1°20'40   |  |
| greatest brilliancy | -7355 Aug 01 j 02:33 | 20°☾31'38 | -4.9m      |  | minimum elong       | -7352 Jan 27 j 23:00 | 14°♐20'41 | 1°21'06    |  |
| retrograde          | -7355 Aug 10 j 05:37 | 22°☾05'47 |            |  | max. Earth dist.    | -7352 Jan 28 j 12:07 | 15°♐00'58 | 1.73590 AU |  |
| evening set         | -7355 Aug 27 j 19:03 | 16°☾12'16 |            |  |                     | -7352 Feb 09 j 17:02 | 0°♑       |            |  |
| inferior conj       | -7355 Aug 30 j 20:35 | 14°☾21'37 | -8°30'20   |  | evening rise        | -7352 Mar 04 j 15:52 | 29°♑23'40 |            |  |
| minimum elong       | -7355 Aug 31 j 03:33 | 14°☾11'03 | 8°29'07    |  |                     | -7352 Mar 05 j 03:42 | 0°♑       |            |  |
| min. Earth dist.    | -7355 Aug 30 j 18:22 | 14°☾24'59 | 0.26565 AU |  | greatest brilliancy | -7352 Mar 07 j 03:24 | 2°♑26'18  | -3.9m      |  |
| morning rise        | -7355 Sep 03 j 12:06 | 12°☾10'58 |            |  |                     | -7352 Mar 29 j 14:58 | 0°♒       |            |  |
| direct              | -7355 Sep 20 j 02:59 | 6°☾47'34  |            |  | asc. node           | -7352 Mar 30 j 03:58 | 0°♒39'49  |            |  |
| greatest brilliancy | -7355 Sep 30 j 07:43 | 8°☾47'46  | -4.9m      |  |                     | -7352 Apr 23 j 03:32 | 0°♓       |            |  |
| asc. node           | -7355 Oct 13 j 12:46 | 16°☾05'44 |            |  |                     | -7352 May 17 j 18:22 | 0°♓       |            |  |
|                     | -7355 Oct 30 j 06:43 | 0°♌       |            |  |                     | -7352 Jun 11 j 13:06 | 0°♌       |            |  |
| morning max el      | -7355 Nov 09 j 15:25 | 10°♌06'09 | 46°35'09   |  |                     | -7352 Jul 06 j 15:23 | 0°☾       |            |  |
|                     | -7355 Nov 28 j 10:03 | 0°♍       |            |  | desc. node          | -7352 Jul 20 j 13:06 | 16°☾20'14 |            |  |
|                     | -7355 Dec 25 j 01:05 | 0°♎       |            |  |                     | -7352 Aug 01 j 09:18 | 0°♌       |            |  |
|                     | -7354 Jan 19 j 21:21 | 0°♏       |            |  |                     | -7352 Aug 28 j 16:23 | 0°♍       |            |  |
| desc. node          | -7354 Feb 02 j 23:36 | 16°♏33'59 |            |  | evening max el      | -7352 Sep 01 j 15:55 | 4°♍06'18  | 47°42'31   |  |
|                     | -7354 Feb 14 j 08:14 | 0°♐       |            |  |                     | -7352 Oct 01 j 04:09 | 0°♎       |            |  |
|                     | -7354 Mar 11 j 11:29 | 0°♑       |            |  | greatest brilliancy | -7352 Oct 12 j 13:22 | 6°♎06'13  | -4.9m      |  |
|                     | -7354 Apr 05 j 07:12 | 0°♑       |            |  | retrograde          | -7352 Oct 22 j 20:00 | 8°♎08'19  |            |  |
|                     | -7354 Apr 29 j 19:40 | 0°♒       |            |  | evening set         | -7352 Nov 06 j 12:39 | 3°♎43'43  |            |  |
| morning set         | -7354 May 08 j 06:55 | 10°♒26'34 |            |  | asc. node           | -7352 Nov 09 j 23:15 | 1°♎40'35  |            |  |
|                     | -7354 May 24 j 01:38 | 0°♓       |            |  | min. Earth dist.    | -7352 Nov 11 j 19:59 | 0°♎30'02  | 0.27346 AU |  |
| asc. node           | -7354 May 26 j 03:57 | 2°♓36'29  |            |  | inferior conj       | -7352 Nov 12 j 16:05 | 29°♍58'03 | 0°39'58    |  |
| max. Earth dist.    | -7354 Jun 09 j 03:37 | 20°♓03'15 | 1.71943 AU |  | minimum elong       | -7352 Nov 12 j 14:39 | 0°♎00'19  | 0°39'34    |  |
|                     |                      |           |            |  |                     | -7352 Nov 12 j 14:51 | 30°♎      |            |  |
| superior conj       | -7354 Jun 13 j 11:54 | 25°♓29'20 | 0°41'05    |  | morning rise        | -7352 Nov 18 j 17:40 | 26°♍17'32 |            |  |
| minimum elong       | -7354 Jun 13 j 04:24 | 25°♓05'52 | 0°40'56    |  | direct              | -7352 Dec 03 j 05:24 | 22°♍04'20 |            |  |
|                     | -7354 Jun 17 j 02:22 | 0°♓       |            |  | greatest brilliancy | -7352 Dec 12 j 06:43 | 23°♍37'10 | -4.8m      |  |
|                     | -7354 Jul 10 j 23:41 | 0°♌       |            |  |                     | -7352 Dec 24 j 23:54 | 0°♎       |            |  |
| evening rise        | -7354 Jul 20 j 22:10 | 12°♌30'03 |            |  | morning max el      | -7351 Jan 21 j 06:29 | 22°♎41'27 | 46°03'02   |  |
|                     | -7354 Aug 03 j 20:00 | 0°☾       |            |  |                     | -7351 Jan 28 j 16:46 | 0°♏       |            |  |
|                     | -7354 Aug 27 j 17:50 | 0°♌       |            |  |                     | -7351 Feb 26 j 00:42 | 0°♐       |            |  |
| desc. node          | -7354 Sep 15 j 10:51 | 23°♌21'01 |            |  | desc. node          | -7351 Mar 02 j 11:40 | 4°♐55'55  |            |  |
|                     | -7354 Sep 20 j 19:13 | 0°♍       |            |  |                     | -7351 Mar 24 j 14:49 | 0°♑       |            |  |
|                     | -7354 Oct 15 j 01:49 | 0°♎       |            |  |                     | -7351 Apr 19 j 06:23 | 0°♑       |            |  |
|                     | -7354 Nov 08 j 16:04 | 0°♏       |            |  |                     | -7351 May 14 j 06:07 | 0°♒       |            |  |
|                     | -7354 Dec 03 j 19:45 | 0°♐       |            |  |                     | -7351 Jun 07 j 17:37 | 0°♓       |            |  |
|                     | -7354 Dec 30 j 03:03 | 0°♑       |            |  | asc. node           | -7351 Jun 22 j 17:12 | 18°♓36'34 |            |  |
| asc. node           | -7353 Jan 05 j 18:22 | 7°♑12'50  |            |  |                     | -7351 Jul 01 j 19:51 | 0°♓       |            |  |
| evening max el      | -7353 Jan 24 j 11:23 | 26°♑20'01 | 45°05'43   |  | morning set         | -7351 Jul 16 j 16:02 | 18°♓38'56 |            |  |
|                     | -7353 Jan 28 j 08:29 | 0°♑       |            |  |                     | -7351 Jul 25 j 15:57 | 0°♌       |            |  |
| greatest brilliancy | -7353 Mar 02 j 23:55 | 23°♑33'07 | -4.7m      |  |                     | -7351 Aug 18 j 09:22 | 0°☾       |            |  |
| retrograde          | -7353 Mar 13 j 12:47 | 25°♑31'19 |            |  |                     |                      |           |            |  |
| evening set         | -7353 Mar 29 j 17:18 | 20°♑35'37 |            |  | superior conj       | -7351 Aug 25 j 04:17 | 8°☾35'11  | 1°21'27    |  |
| inferior conj       | -7353 Apr 03 j 22:37 | 17°♑26'55 | 5°08'01    |  | minimum elong       | -7351 Aug 25 j 09:02 | 8°☾50'11  | 1°21'55    |  |
| minimum elong       | -7353 Apr 04 j 07:20 | 17°♑13'21 | 5°05'45    |  | max. Earth dist.    | -7351 Aug 27 j 08:13 | 11°☾19'18 | 1.70757 AU |  |
| min. Earth dist.    | -7353 Apr 04 j 23:41 | 16°♑47'56 | 0.29027 AU |  |                     | -7351 Sep 11 j 03:20 | 0°♌       |            |  |
| morning rise        | -7353 Apr 09 j 20:48 | 13°♑52'57 |            |  |                     | -7351 Oct 05 j 00:13 | 0°♍       |            |  |
| direct              | -7353 Apr 25 j 20:38 | 9°♑04'00  |            |  | evening rise        | -7351 Oct 06 j 16:00 | 2°♍04'30  |            |  |
| desc. node          | -7353 Apr 28 j 07:21 | 9°♑10'48  |            |  | desc. node          | -7351 Oct 12 j 23:36 | 9°♍58'28  |            |  |
| greatest brilliancy | -7353 May 06 j 23:53 | 11°♑16'51 | -4.7m      |  |                     | -7351 Oct 29 j 01:11 | 0°♎       |            |  |
|                     | -7353 Jun 03 j 19:04 | 0°♒       |            |  |                     | -7351 Nov 22 j 06:38 | 0°♏       |            |  |
| morning max el      | -7353 Jun 14 j 11:24 | 9°♒59'00  | 46°19'10   |  |                     | -7351 Dec 16 j 17:28 | 0°♐       |            |  |
|                     | -7353 Jul 03 j 17:26 | 0°♓       |            |  |                     | -7350 Jan 10 j 12:32 | 0°♑       |            |  |
|                     | -7353 Jul 30 j 01:42 | 0°♓       |            |  | asc. node           | -7350 Feb 02 j 05:41 | 26°♑53'45 |            |  |
| asc. node           | -7353 Aug 18 j 16:24 | 23°♓30'33 |            |  |                     | -7350 Feb 04 j 21:38 | 0°♑       |            |  |
|                     | -7353 Aug 24 j 00:07 | 0°♌       |            |  |                     | -7350 Mar 03 j 07:46 | 0°♒       |            |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 11

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7350 Mar 31 j 21:50 | 0°♿       |            | morning set         | -7348 Sep 30 j 12:54 | 6°♂09'44  |            |
| evening max el      | -7350 Apr 05 j 20:18 | 4°♿45'45  | 45°20'46   |                     | -7348 Oct 19 j 12:08 | 0°♈       |            |
|                     | -7350 May 08 j 16:40 | 0°♄       |            | desc. node          | -7348 Nov 09 j 12:42 | 26°♈15'41 |            |
| greatest brilliancy | -7350 May 14 j 13:59 | 2°♄29'48  | -4.8m      |                     |                      |           |            |
| retrograde          | -7350 May 24 j 14:18 | 4°♄17'36  |            | superior conj       | -7348 Nov 11 j 21:23 | 29°♈12'06 | -0°05'26   |
| desc. node          | -7350 May 25 j 17:56 | 4°♄16'04  |            | minimum elong       | -7348 Nov 11 j 19:57 | 29°♈07'38 | 0°05'18    |
| evening set         | -7350 Jun 08 j 11:57 | 0°♄07'27  |            | behind sun begin    | -7348 Nov 10 j 18:17 | 27°♈47'44 |            |
|                     | -7350 Jun 08 j 17:38 | 30°♈♿     |            | behind sun end      | -7348 Nov 12 j 21:37 | 0°♄27'31  |            |
| inferior conj       | -7350 Jun 14 j 14:55 | 26°♿37'32 | -4°33'42   |                     | -7348 Nov 12 j 12:46 | 0°♄       |            |
| minimum elong       | -7350 Jun 14 j 05:47 | 26°♿51'12 | 4°31'08    | max. Earth dist.    | -7348 Nov 17 j 07:33 | 5°♄56'51  | 1.72078 AU |
| min. Earth dist.    | -7350 Jun 14 j 22:57 | 26°♿25'31 | 0.27344 AU |                     | -7348 Dec 06 j 17:16 | 0°♈       |            |
| morning rise        | -7350 Jun 19 j 22:54 | 23°♿31'12 |            | evening rise        | -7348 Dec 22 j 22:05 | 20°♈00'23 |            |
| direct              | -7350 Jul 05 j 16:10 | 18°♿48'05 |            |                     | -7348 Dec 31 j 00:51 | 0°♄       |            |
| greatest brilliancy | -7350 Jul 16 j 21:34 | 21°♿06'23 | -4.9m      |                     | -7347 Jan 24 j 11:31 | 0°♄       |            |
|                     | -7350 Aug 01 j 03:41 | 0°♄       |            |                     | -7347 Feb 18 j 02:36 | 0°♈       |            |
| morning max el      | -7350 Aug 25 j 05:16 | 21°♄37'59 | 46°46'36   | asc. node           | -7347 Mar 01 j 17:39 | 14°♈03'04 |            |
|                     | -7350 Sep 02 j 05:38 | 0°♈       |            |                     | -7347 Mar 15 j 00:26 | 0°♈       |            |
| asc. node           | -7350 Sep 15 j 04:07 | 14°♈13'59 |            |                     | -7347 Apr 09 j 08:05 | 0°♿       |            |
|                     | -7350 Sep 28 j 21:18 | 0°♄       |            |                     | -7347 May 05 j 06:38 | 0°♄       |            |
|                     | -7350 Oct 24 j 02:03 | 0°♂       |            |                     | -7347 Jun 01 j 09:16 | 0°♈       |            |
|                     | -7350 Nov 17 j 19:46 | 0°♈       |            | evening max el      | -7347 Jun 18 j 10:13 | 17°♈32'25 | 46°55'16   |
|                     | -7350 Dec 12 j 11:42 | 0°♄       |            | desc. node          | -7347 Jun 22 j 04:30 | 21°♈11'18 |            |
| desc. node          | -7349 Jan 05 j 13:08 | 29°♄13'25 |            |                     | -7347 Jul 01 j 19:28 | 0°♄       |            |
|                     | -7349 Jan 06 j 04:29 | 0°♈       |            | greatest brilliancy | -7347 Jul 29 j 13:51 | 18°♄00'13 | -4.9m      |
|                     | -7349 Jan 30 j 21:18 | 0°♄       |            | retrograde          | -7347 Aug 07 j 17:37 | 19°♄34'19 |            |
|                     | -7349 Feb 24 j 12:25 | 0°♄       |            | evening set         | -7347 Aug 25 j 09:16 | 13°♄38'08 |            |
| morning set         | -7349 Feb 28 j 14:29 | 4°♄59'27  |            | inferior conj       | -7347 Aug 28 j 08:29 | 11°♄50'51 | -8°37'52   |
|                     | -7349 Mar 21 j 00:40 | 0°♈       |            | minimum elong       | -7347 Aug 28 j 14:40 | 11°♄41'27 | 8°36'48    |
| max. Earth dist.    | -7349 Apr 02 j 01:06 | 14°♈46'08 | 1.73534 AU | min. Earth dist.    | -7347 Aug 28 j 06:09 | 11°♄54'24 | 0.26572 AU |
|                     |                      |           |            | morning rise        | -7347 Aug 31 j 20:08 | 9°♄45'48  |            |
| superior conj       | -7349 Apr 05 j 06:39 | 18°♈44'49 | -0°48'40   | direct              | -7347 Sep 17 j 15:41 | 4°♄17'13  |            |
| minimum elong       | -7349 Apr 05 j 14:17 | 19°♈08'19 | 0°48'45    | greatest brilliancy | -7347 Sep 27 j 20:03 | 6°♄17'00  | -4.9m      |
|                     | -7349 Apr 14 j 09:48 | 0°♈       |            | asc. node           | -7347 Oct 12 j 14:51 | 14°♄43'06 |            |
| asc. node           | -7349 Apr 27 j 16:53 | 16°♈25'11 |            |                     | -7347 Oct 30 j 10:32 | 0°♂       |            |
|                     | -7349 May 08 j 16:12 | 0°♿       |            | morning max el      | -7347 Nov 07 j 04:28 | 7°♂38'49  | 46°36'04   |
| evening rise        | -7349 May 10 j 17:29 | 2°♿32'39  |            |                     | -7347 Nov 28 j 04:00 | 0°♈       |            |
|                     | -7349 Jun 01 j 20:38 | 0°♄       |            |                     | -7347 Dec 24 j 15:49 | 0°♄       |            |
|                     | -7349 Jun 26 j 00:18 | 0°♈       |            |                     | -7346 Jan 19 j 10:29 | 0°♈       |            |
|                     | -7349 Jul 20 j 05:04 | 0°♄       |            | desc. node          | -7346 Feb 02 j 01:46 | 16°♈03'18 |            |
|                     | -7349 Aug 13 j 13:32 | 0°♂       |            |                     | -7346 Feb 13 j 20:26 | 0°♄       |            |
| desc. node          | -7349 Aug 18 j 00:45 | 5°♂28'10  |            |                     | -7346 Mar 10 j 23:05 | 0°♄       |            |
|                     | -7349 Sep 07 j 05:10 | 0°♈       |            |                     | -7346 Apr 04 j 18:27 | 0°♈       |            |
|                     | -7349 Oct 02 j 10:08 | 0°♄       |            |                     | -7346 Apr 29 j 06:43 | 0°♈       |            |
|                     | -7349 Oct 28 j 19:52 | 0°♈       |            | morning set         | -7346 May 06 j 01:56 | 8°♈23'04  |            |
| evening max el      | -7349 Nov 12 j 06:46 | 15°♈14'44 | 46°27'14   |                     | -7346 May 23 j 12:38 | 0°♿       |            |
|                     | -7349 Nov 27 j 21:42 | 0°♄       |            | asc. node           | -7346 May 25 j 06:10 | 2°♿09'10  |            |
| asc. node           | -7349 Dec 08 j 09:58 | 8°♄18'00  |            | max. Earth dist.    | -7346 Jun 06 j 18:03 | 17°♿43'58 | 1.72009 AU |
| greatest brilliancy | -7349 Dec 21 j 06:00 | 15°♄31'18 | -4.8m      |                     |                      |           |            |
| retrograde          | -7348 Jan 01 j 10:06 | 17°♄51'47 |            | superior conj       | -7346 Jun 11 j 05:10 | 23°♿18'42 | 0°38'15    |
| evening set         | -7348 Jan 18 j 13:54 | 12°♄04'06 |            | minimum elong       | -7346 Jun 10 j 22:05 | 22°♿56'35 | 0°38'06    |
| inferior conj       | -7348 Jan 22 j 18:46 | 9°♄25'01  | 7°49'32    |                     | -7346 Jun 16 j 13:25 | 0°♄       |            |
| minimum elong       | -7348 Jan 22 j 13:55 | 9°♄32'47  | 7°48'42    |                     | -7346 Jul 10 j 10:53 | 0°♈       |            |
| min. Earth dist.    | -7348 Jan 22 j 10:12 | 9°♄38'45  | 0.29321 AU | evening rise        | -7346 Jul 18 j 12:05 | 10°♈07'23 |            |
| morning rise        | -7348 Jan 26 j 14:10 | 7°♄00'35  |            |                     | -7346 Aug 03 j 07:24 | 0°♄       |            |
| direct              | -7348 Feb 13 j 08:43 | 0°♄57'55  |            |                     | -7346 Aug 27 j 05:28 | 0°♂       |            |
| greatest brilliancy | -7348 Feb 22 j 15:19 | 2°♄31'56  | -4.7m      | desc. node          | -7346 Sep 14 j 12:51 | 22°♂50'30 |            |
| desc. node          | -7348 Mar 29 j 22:47 | 27°♄35'38 |            |                     | -7346 Sep 20 j 07:06 | 0°♈       |            |
|                     | -7348 Apr 01 j 12:35 | 0°♄       |            |                     | -7346 Oct 14 j 14:00 | 0°♄       |            |
| morning max el      | -7348 Apr 02 j 04:41 | 0°♄38'06  | 45°54'11   |                     | -7346 Nov 08 j 04:47 | 0°♈       |            |
|                     | -7348 Apr 30 j 17:21 | 0°♈       |            |                     | -7346 Dec 03 j 09:32 | 0°♄       |            |
|                     | -7348 May 27 j 06:37 | 0°♈       |            |                     | -7346 Dec 29 j 19:21 | 0°♄       |            |
|                     | -7348 Jun 21 j 13:29 | 0°♿       |            | asc. node           | -7345 Jan 04 j 20:39 | 6°♄32'36  |            |
|                     | -7348 Jul 16 j 01:49 | 0°♄       |            | evening max el      | -7345 Jan 22 j 02:10 | 24°♄06'18 | 45°07'01   |
| asc. node           | -7348 Jul 20 j 06:12 | 5°♄11'19  |            |                     | -7345 Jan 28 j 09:13 | 0°♈       |            |
|                     | -7348 Aug 09 j 02:36 | 0°♈       |            | greatest brilliancy | -7345 Feb 28 j 16:18 | 21°♈25'15 | -4.7m      |
|                     | -7348 Sep 01 j 21:33 | 0°♄       |            | retrograde          | -7345 Mar 11 j 04:22 | 23°♈23'22 |            |
|                     | -7348 Sep 25 j 15:34 | 0°♂       |            | evening set         | -7345 Mar 27 j 12:00 | 18°♈23'43 |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 12

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                                |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|--------------------------------|------------|
| inferior conj       | -7345 Apr 01 j 15:02 | 15° $\approx$ 18'04            | 5°22'21    | minimum elong       | -7343 Aug 22 j 19:02 | 6° $\approx$ 14'11             | 1°22'40    |
| minimum elong       | -7345 Apr 01 j 23:50 | 15° $\approx$ 04'21            | 5°20'07    | max. Earth dist.    | -7343 Aug 24 j 12:16 | 8° $\approx$ 24'34             | 1.70757 AU |
| min. Earth dist.    | -7345 Apr 02 j 16:08 | 14° $\approx$ 38'57            | 0.29076 AU |                     | -7343 Sep 10 j 14:43 | 0° $\Omega$                    |            |
| morning rise        | -7345 Apr 07 j 11:05 | 11° $\approx$ 46'31            |            | evening rise        | -7343 Oct 03 j 23:56 | 29° $\Omega$ 23'17             |            |
| direct              | -7345 Apr 23 j 12:52 | 6° $\approx$ 54'13             |            |                     | -7343 Oct 04 j 11:40 | 0° $\mathbb{M}$                |            |
| desc. node          | -7345 Apr 27 j 09:29 | 7° $\approx$ 10'58             |            | desc. node          | -7343 Oct 12 j 01:40 | 9° $\mathbb{M}$ 29'05          |            |
| greatest brilliancy | -7345 May 04 j 15:54 | 9° $\approx$ 06'18             | -4.7m      |                     | -7343 Oct 28 j 12:43 | 0° $\underline{\Omega}$        |            |
|                     | -7345 Jun 03 j 22:11 | 0° $\mathbb{X}$                |            |                     | -7343 Nov 21 j 18:18 | 0° $\mathbb{M}$                |            |
| morning max el      | -7345 Jun 12 j 02:04 | 7° $\mathbb{X}$ 42'32          | 46°18'07   |                     | -7343 Dec 16 j 05:23 | 0° $\mathbb{X}$                |            |
|                     | -7345 Jul 03 j 10:38 | 0° $\mathbb{Y}$                |            |                     | -7342 Jan 10 j 00:56 | 0° $\mathbb{Z}$                |            |
|                     | -7345 Jul 29 j 16:00 | 0° $\mathbb{B}$                |            | asc. node           | -7342 Feb 01 j 07:51 | 26° $\mathbb{Z}$ 21'16         |            |
| asc. node           | -7345 Aug 17 j 18:37 | 22° $\mathbb{B}$ 56'58         |            |                     | -7342 Feb 04 j 11:07 | 0° $\approx$                   |            |
|                     | -7345 Aug 23 j 13:09 | 0° $\mathbb{II}$               |            |                     | -7342 Mar 02 j 23:36 | 0° $\mathbb{X}$                |            |
|                     | -7345 Sep 16 j 19:02 | 0° $\mathbb{C}$                |            |                     | -7342 Mar 31 j 20:09 | 0° $\mathbb{Y}$                |            |
|                     | -7345 Oct 10 j 19:24 | 0° $\Omega$                    |            | evening max el      | -7342 Apr 03 j 10:45 | 2° $\mathbb{Y}$ 29'40          | 45°18'37   |
|                     | -7345 Nov 03 j 20:17 | 0° $\mathbb{M}$                |            |                     | -7342 May 11 j 16:52 | 0° $\mathbb{B}$                |            |
|                     | -7345 Nov 28 j 00:28 | 0° $\underline{\Omega}$        |            | greatest brilliancy | -7342 May 12 j 01:24 | 0° $\mathbb{B}$ 07'27          | -4.8m      |
| desc. node          | -7345 Dec 08 j 02:07 | 12° $\underline{\Omega}$ 26'26 |            | retrograde          | -7342 May 22 j 03:46 | 1° $\mathbb{B}$ 56'35          |            |
| morning set         | -7345 Dec 17 j 11:24 | 24° $\underline{\Omega}$ 00'54 |            | desc. node          | -7342 May 24 j 20:15 | 1° $\mathbb{B}$ 48'11          |            |
|                     | -7345 Dec 22 j 08:04 | 0° $\mathbb{M}$                |            |                     | -7342 Jun 01 j 03:53 | 30° $\mathbb{R}$ $\mathbb{Y}$  |            |
|                     | -7344 Jan 15 j 17:44 | 0° $\mathbb{X}$                |            | evening set         | -7342 Jun 05 j 23:09 | 27° $\mathbb{Y}$ 48'28         |            |
|                     |                      |                                |            | inferior conj       | -7342 Jun 12 j 04:02 | 24° $\mathbb{Y}$ 15'49         | -4°13'52   |
| superior conj       | -7344 Jan 25 j 18:36 | 12° $\mathbb{X}$ 19'25         | -1°20'03   | minimum elong       | -7342 Jun 11 j 19:23 | 24° $\mathbb{Y}$ 28'45         | 4°11'24    |
| minimum elong       | -7344 Jan 25 j 14:42 | 12° $\mathbb{X}$ 07'25         | 1°20'28    | min. Earth dist.    | -7342 Jun 12 j 12:38 | 24° $\mathbb{Y}$ 02'57         | 0.27391 AU |
| max. Earth dist.    | -7344 Jan 26 j 07:31 | 12° $\mathbb{X}$ 59'02         | 1.73560 AU | morning rise        | -7342 Jun 17 j 14:58 | 21° $\mathbb{Y}$ 05'39         |            |
|                     | -7344 Feb 09 j 04:08 | 0° $\mathbb{Z}$                |            | direct              | -7342 Jul 03 j 06:37 | 16° $\mathbb{Y}$ 25'18         |            |
| evening rise        | -7344 Mar 02 j 10:26 | 27° $\mathbb{Z}$ 19'14         |            | greatest brilliancy | -7342 Jul 14 j 12:07 | 18° $\mathbb{Y}$ 44'08         | -4.9m      |
|                     | -7344 Mar 04 j 14:51 | 0° $\approx$                   |            |                     | -7342 Aug 01 j 20:31 | 0° $\mathbb{B}$                |            |
| greatest brilliancy | -7344 Mar 05 j 09:46 | 0° $\approx$ 58'00             | -3.9m      | morning max el      | -7342 Aug 22 j 19:54 | 19° $\mathbb{B}$ 14'56         | 46°46'21   |
| asc. node           | -7344 Mar 29 j 06:00 | 0° $\mathbb{X}$ 11'23          |            |                     | -7342 Sep 02 j 01:41 | 0° $\mathbb{II}$               |            |
|                     | -7344 Mar 29 j 02:17 | 0° $\mathbb{X}$                |            | asc. node           | -7342 Sep 14 j 06:10 | 13° $\mathbb{II}$ 30'32        |            |
|                     | -7344 Apr 22 j 15:11 | 0° $\mathbb{Y}$                |            |                     | -7342 Sep 28 j 12:58 | 0° $\mathbb{C}$                |            |
|                     | -7344 May 17 j 06:32 | 0° $\mathbb{B}$                |            |                     | -7342 Oct 23 j 15:51 | 0° $\Omega$                    |            |
|                     | -7344 Jun 11 j 02:04 | 0° $\mathbb{II}$               |            |                     | -7342 Nov 17 j 08:34 | 0° $\mathbb{M}$                |            |
|                     | -7344 Jul 06 j 05:36 | 0° $\mathbb{C}$                |            |                     | -7342 Dec 11 j 23:53 | 0° $\underline{\Omega}$        |            |
| desc. node          | -7344 Jul 19 j 15:20 | 15° $\mathbb{C}$ 42'36         |            | desc. node          | -7341 Jan 04 j 15:14 | 28° $\underline{\Omega}$ 44'05 |            |
|                     | -7344 Aug 01 j 01:44 | 0° $\Omega$                    |            |                     | -7341 Jan 05 j 16:14 | 0° $\mathbb{M}$                |            |
|                     | -7344 Aug 28 j 14:15 | 0° $\mathbb{M}$                |            |                     | -7341 Jan 30 j 08:43 | 0° $\mathbb{X}$                |            |
| evening max el      | -7344 Aug 30 j 05:42 | 1° $\mathbb{M}$ 40'56          | 47°43'08   |                     | -7341 Feb 23 j 23:36 | 0° $\mathbb{Z}$                |            |
|                     | -7344 Oct 02 j 14:13 | 0° $\underline{\Omega}$        |            | morning set         | -7341 Feb 26 j 08:33 | 2° $\mathbb{Z}$ 53'55          |            |
| greatest brilliancy | -7344 Oct 10 j 06:08 | 3° $\underline{\Omega}$ 44'19  | -4.9m      |                     | -7341 Mar 20 j 11:42 | 0° $\approx$                   |            |
| retrograde          | -7344 Oct 20 j 10:18 | 5° $\underline{\Omega}$ 44'36  |            | max. Earth dist.    | -7341 Mar 31 j 00:27 | 12° $\approx$ 56'22            | 1.73564 AU |
| evening set         | -7344 Nov 04 j 03:39 | 1° $\underline{\Omega}$ 19'44  |            |                     |                      |                                |            |
|                     | -7344 Nov 06 j 10:13 | 30° $\mathbb{R}$ $\mathbb{M}$  |            | superior conj       | -7341 Apr 03 j 01:55 | 16° $\approx$ 42'24            | -0°51'02   |
| asc. node           | -7344 Nov 09 j 01:34 | 28° $\mathbb{M}$ 21'31         |            | minimum elong       | -7341 Apr 03 j 09:43 | 17° $\approx$ 06'24            | 0°51'06    |
| min. Earth dist.    | -7344 Nov 09 j 11:31 | 28° $\mathbb{M}$ 05'45         | 0.27285 AU |                     | -7341 Apr 13 j 20:50 | 0° $\mathbb{X}$                |            |
| inferior conj       | -7344 Nov 10 j 06:34 | 27° $\mathbb{M}$ 35'30         | 0°17'55    | asc. node           | -7341 Apr 26 j 19:04 | 15° $\mathbb{X}$ 57'38         |            |
| minimum elong       | -7344 Nov 10 j 05:56 | 27° $\mathbb{M}$ 36'31         | 0°17'48    |                     | -7341 May 08 j 03:22 | 0° $\mathbb{Y}$                |            |
| morning rise        | -7344 Nov 16 j 09:04 | 23° $\mathbb{M}$ 53'48         |            | evening rise        | -7341 May 08 j 12:39 | 0° $\mathbb{Y}$ 28'46          |            |
| direct              | -7344 Nov 30 j 18:35 | 19° $\mathbb{M}$ 42'39         |            |                     | -7341 Jun 01 j 08:03 | 0° $\mathbb{B}$                |            |
| greatest brilliancy | -7344 Dec 09 j 22:11 | 21° $\mathbb{M}$ 17'20         | -4.8m      |                     | -7341 Jun 25 j 12:02 | 0° $\mathbb{II}$               |            |
|                     | -7344 Dec 26 j 00:34 | 0° $\underline{\Omega}$        |            |                     | -7341 Jul 19 j 17:13 | 0° $\mathbb{C}$                |            |
| morning max el      | -7343 Jan 18 j 20:38 | 20° $\underline{\Omega}$ 23'29 | 46°04'01   |                     | -7341 Aug 13 j 02:12 | 0° $\Omega$                    |            |
|                     | -7343 Jan 28 j 13:16 | 0° $\mathbb{M}$                |            | desc. node          | -7341 Aug 17 j 02:49 | 4° $\Omega$ 55'24              |            |
|                     | -7343 Feb 25 j 16:09 | 0° $\mathbb{X}$                |            |                     | -7341 Sep 06 j 18:37 | 0° $\mathbb{M}$                |            |
| desc. node          | -7343 Mar 01 j 13:45 | 4° $\mathbb{X}$ 19'58          |            |                     | -7341 Oct 02 j 00:58 | 0° $\underline{\Omega}$        |            |
|                     | -7343 Mar 24 j 04:13 | 0° $\mathbb{Z}$                |            |                     | -7341 Oct 28 j 13:54 | 0° $\mathbb{M}$                |            |
|                     | -7343 Apr 18 j 18:44 | 0° $\approx$                   |            | evening max el      | -7341 Nov 09 j 23:38 | 13° $\mathbb{M}$ 01'51         | 46°30'43   |
|                     | -7343 May 13 j 17:54 | 0° $\mathbb{X}$                |            |                     | -7341 Nov 28 j 04:45 | 0° $\mathbb{X}$                |            |
|                     | -7343 Jun 07 j 05:06 | 0° $\mathbb{Y}$                |            | asc. node           | -7341 Dec 07 j 12:12 | 7° $\mathbb{X}$ 04'48          |            |
| asc. node           | -7343 Jun 21 j 19:23 | 18° $\mathbb{Y}$ 07'50         |            | greatest brilliancy | -7341 Dec 18 j 23:06 | 13° $\mathbb{X}$ 21'44         | -4.8m      |
|                     | -7343 Jul 01 j 07:12 | 0° $\mathbb{B}$                |            | retrograde          | -7341 Dec 30 j 04:06 | 15° $\mathbb{X}$ 42'47         |            |
| morning set         | -7343 Jul 14 j 06:11 | 16° $\mathbb{B}$ 16'42         |            | evening set         | -7340 Jan 16 j 05:11 | 9° $\mathbb{X}$ 58'12          |            |
|                     | -7343 Jul 25 j 03:16 | 0° $\mathbb{II}$               |            | min. Earth dist.    | -7340 Jan 20 j 01:46 | 7° $\mathbb{X}$ 32'17          | 0.29279 AU |
|                     | -7343 Aug 17 j 20:42 | 0° $\mathbb{C}$                |            | inferior conj       | -7340 Jan 20 j 12:01 | 7° $\mathbb{X}$ 15'49          | 7°44'24    |
|                     |                      |                                |            | minimum elong       | -7340 Jan 20 j 06:39 | 7° $\mathbb{X}$ 24'26          | 7°43'29    |
| superior conj       | -7343 Aug 22 j 15:15 | 6° $\mathbb{C}$ 02'14          | 1°22'11    | morning rise        | -7340 Jan 24 j 08:26 | 4° $\mathbb{X}$ 49'51          |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                          |            |                     |                      |                               |            |
|---------------------|----------------------|--------------------------|------------|---------------------|----------------------|-------------------------------|------------|
|                     | -7340 Feb 03 j 10:35 | 30° $\mathbb{M}$         |            | evening rise        | -7338 Jul 16 j 02:10 | 7° $\mathbb{H}$ 45'31         |            |
| direct              | -7340 Feb 11 j 01:52 | 28° $\mathbb{M}$ 49'37   |            |                     | -7338 Aug 02 j 18:45 | 0° $\mathfrak{C}$             |            |
|                     | -7340 Feb 19 j 00:58 | 0° $\mathfrak{A}$        |            |                     | -7338 Aug 26 j 17:02 | 0° $\Omega$                   |            |
| greatest brilliancy | -7340 Feb 20 j 05:55 | 0° $\mathfrak{A}$ 21'56  | -4.7m      | desc. node          | -7338 Sep 13 j 14:59 | 22° $\Omega$ 20'36            |            |
| desc. node          | -7340 Mar 29 j 00:55 | 26° $\mathfrak{A}$ 45'37 |            |                     | -7338 Sep 19 j 18:55 | 0° $\mathbb{M}$               |            |
| morning max el      | -7340 Mar 30 j 21:25 | 28° $\mathfrak{A}$ 30'26 | 45°53'45   |                     | -7338 Oct 14 j 02:10 | 0° $\Omega$                   |            |
|                     | -7340 Apr 01 j 10:57 | 0° $\mathfrak{C}$        |            |                     | -7338 Nov 07 j 17:29 | 0° $\mathbb{M}$               |            |
|                     | -7340 Apr 30 j 09:10 | 0° $\approx$             |            |                     | -7338 Dec 02 j 23:19 | 0° $\mathfrak{A}$             |            |
|                     | -7340 May 26 j 20:10 | 0° $\mathfrak{H}$        |            |                     | -7338 Dec 29 j 11:44 | 0° $\mathfrak{C}$             |            |
|                     | -7340 Jun 21 j 01:59 | 0° $\mathbb{Y}$          |            | asc. node           | -7337 Jan 03 j 22:50 | 5° $\mathfrak{C}$ 52'16       |            |
|                     | -7340 Jul 15 j 13:47 | 0° $\mathfrak{C}$        |            | evening max el      | -7337 Jan 19 j 16:28 | 21° $\mathfrak{C}$ 52'09      | 45°08'35   |
| asc. node           | -7340 Jul 19 j 08:18 | 4° $\mathfrak{C}$ 40'48  |            |                     | -7337 Jan 28 j 10:52 | 0° $\approx$                  |            |
|                     | -7340 Aug 08 j 14:17 | 0° $\mathbb{H}$          |            | greatest brilliancy | -7337 Feb 26 j 08:24 | 19° $\approx$ 18'19           | -4.7m      |
|                     | -7340 Sep 01 j 09:05 | 0° $\mathfrak{C}$        |            | retrograde          | -7337 Mar 08 j 20:35 | 21° $\approx$ 17'08           |            |
|                     | -7340 Sep 25 j 03:00 | 0° $\Omega$              |            | evening set         | -7337 Mar 25 j 06:57 | 16° $\approx$ 13'11           |            |
| morning set         | -7340 Sep 27 j 22:45 | 3° $\Omega$ 33'32        |            | inferior conj       | -7337 Mar 30 j 07:44 | 13° $\approx$ 10'43           | 5°36'02    |
|                     | -7340 Oct 18 j 23:30 | 0° $\mathbb{M}$          |            | minimum elong       | -7337 Mar 30 j 16:35 | 12° $\approx$ 56'54           | 5°33'50    |
| desc. node          | -7340 Nov 08 j 14:55 | 25° $\mathbb{M}$ 47'26   |            | min. Earth dist.    | -7337 Mar 31 j 08:45 | 12° $\approx$ 31'41           | 0.29128 AU |
|                     |                      |                          |            | morning rise        | -7337 Apr 05 j 01:36 | 9° $\approx$ 41'55            |            |
| superior conj       | -7340 Nov 09 j 07:02 | 26° $\mathbb{M}$ 37'37   | -0°01'33   | direct              | -7337 Apr 21 j 05:14 | 4° $\approx$ 45'50            |            |
| minimum elong       | -7340 Nov 09 j 06:37 | 26° $\mathbb{M}$ 36'21   | 0°01'28    | desc. node          | -7337 Apr 26 j 11:48 | 5° $\approx$ 16'46            |            |
| behind sun begin    | -7340 Nov 08 j 03:45 | 25° $\mathbb{M}$ 12'40   |            | greatest brilliancy | -7337 May 02 j 08:28 | 6° $\approx$ 57'42            | -4.7m      |
| behind sun end      | -7340 Nov 10 j 09:30 | 28° $\mathbb{M}$ 00'01   |            |                     | -7337 Jun 03 j 23:35 | 0° $\mathfrak{H}$             |            |
|                     | -7340 Nov 12 j 00:03 | 0° $\Omega$              |            | morning max el      | -7337 Jun 09 j 17:35 | 5° $\mathfrak{H}$ 28'53       | 46°16'57   |
| max. Earth dist.    | -7340 Nov 14 j 23:12 | 3° $\Omega$ 41'19        | 1.72011 AU |                     | -7337 Jul 03 j 03:21 | 0° $\mathbb{Y}$               |            |
|                     | -7340 Dec 06 j 04:27 | 0° $\mathbb{M}$          |            |                     | -7337 Jul 29 j 06:02 | 0° $\mathfrak{C}$             |            |
| evening rise        | -7340 Dec 20 j 12:03 | 17° $\mathbb{M}$ 41'03   |            | asc. node           | -7337 Aug 16 j 20:42 | 22° $\mathfrak{C}$ 23'30      |            |
|                     | -7340 Dec 30 j 12:00 | 0° $\mathfrak{A}$        |            |                     | -7337 Aug 23 j 01:59 | 0° $\mathbb{H}$               |            |
|                     | -7339 Jan 23 j 22:47 | 0° $\mathfrak{C}$        |            |                     | -7337 Sep 16 j 07:14 | 0° $\mathfrak{C}$             |            |
|                     | -7339 Feb 17 j 14:10 | 0° $\approx$             |            |                     | -7337 Oct 10 j 07:13 | 0° $\Omega$                   |            |
| asc. node           | -7339 Feb 28 j 19:41 | 13° $\approx$ 33'46      |            |                     | -7337 Nov 03 j 07:49 | 0° $\mathbb{M}$               |            |
|                     | -7339 Mar 14 j 12:36 | 0° $\mathfrak{H}$        |            |                     | -7337 Nov 27 j 11:47 | 0° $\Omega$                   |            |
|                     | -7339 Apr 08 j 21:18 | 0° $\mathbb{Y}$          |            | desc. node          | -7337 Dec 07 j 04:11 | 11° $\Omega$ 58'05            |            |
|                     | -7339 May 04 j 21:46 | 0° $\mathfrak{C}$        |            | morning set         | -7337 Dec 14 j 23:39 | 21° $\Omega$ 36'22            |            |
|                     | -7339 Jun 01 j 04:29 | 0° $\mathbb{H}$          |            |                     | -7337 Dec 21 j 19:11 | 0° $\mathbb{M}$               |            |
| evening max el      | -7339 Jun 15 j 23:19 | 15° $\mathbb{H}$ 07'12   | 46°51'43   |                     | -7336 Jan 15 j 04:41 | 0° $\mathfrak{A}$             |            |
| desc. node          | -7339 Jun 21 j 06:41 | 20° $\mathbb{H}$ 13'53   |            |                     |                      |                               |            |
|                     | -7339 Jul 02 j 05:16 | 0° $\mathfrak{C}$        |            | superior conj       | -7336 Jan 23 j 11:02 | 10° $\mathfrak{A}$ 09'04      | -1°19'18   |
| greatest brilliancy | -7339 Jul 27 j 01:36 | 15° $\mathfrak{C}$ 29'19 | -4.9m      | minimum elong       | -7336 Jan 23 j 06:27 | 9° $\mathfrak{A}$ 55'00       | 1°19'42    |
| retrograde          | -7339 Aug 05 j 05:02 | 17° $\mathfrak{C}$ 02'46 |            | max. Earth dist.    | -7336 Jan 24 j 01:38 | 10° $\mathfrak{A}$ 53'55      | 1.73525 AU |
| evening set         | -7339 Aug 22 j 23:09 | 11° $\mathfrak{C}$ 04'33 |            |                     | -7336 Feb 08 j 14:59 | 0° $\mathfrak{C}$             |            |
| inferior conj       | -7339 Aug 25 j 20:22 | 9° $\mathfrak{C}$ 20'09  | -8°44'20   | evening rise        | -7336 Feb 29 j 05:12 | 25° $\mathfrak{C}$ 16'18      |            |
| minimum elong       | -7339 Aug 26 j 01:45 | 9° $\mathfrak{C}$ 11'59  | 8°43'24    | greatest brilliancy | -7336 Mar 03 j 16:34 | 29° $\mathfrak{C}$ 31'59      | -3.9m      |
| min. Earth dist.    | -7339 Aug 25 j 18:16 | 9° $\mathfrak{C}$ 23'22  | 0.26580 AU |                     | -7336 Mar 04 j 01:43 | 0° $\approx$                  |            |
| morning rise        | -7339 Aug 29 j 04:22 | 7° $\mathfrak{C}$ 20'17  |            | asc. node           | -7336 Mar 28 j 08:16 | 29° $\approx$ 44'37           |            |
| direct              | -7339 Sep 15 j 03:54 | 1° $\mathfrak{C}$ 46'43  |            |                     | -7336 Mar 28 j 13:18 | 0° $\mathfrak{H}$             |            |
| greatest brilliancy | -7339 Sep 25 j 08:57 | 3° $\mathfrak{C}$ 46'39  | -4.9m      |                     | -7336 Apr 22 j 02:34 | 0° $\mathbb{Y}$               |            |
| asc. node           | -7339 Oct 11 j 17:10 | 13° $\mathfrak{C}$ 23'19 |            |                     | -7336 May 16 j 18:31 | 0° $\mathfrak{C}$             |            |
|                     | -7339 Oct 30 j 12:51 | 0° $\Omega$              |            |                     | -7336 Jun 10 j 14:55 | 0° $\mathbb{H}$               |            |
| morning max el      | -7339 Nov 04 j 16:36 | 5° $\Omega$ 08'46        | 46°37'08   |                     | -7336 Jul 05 j 19:46 | 0° $\mathfrak{C}$             |            |
|                     | -7339 Nov 27 j 21:34 | 0° $\mathbb{M}$          |            | desc. node          | -7336 Jul 18 j 17:25 | 15° $\mathfrak{C}$ 04'40      |            |
|                     | -7339 Dec 24 j 06:20 | 0° $\Omega$              |            |                     | -7336 Jul 31 j 18:17 | 0° $\Omega$                   |            |
|                     | -7338 Jan 18 j 23:26 | 0° $\mathbb{M}$          |            | evening max el      | -7336 Aug 27 j 19:44 | 29° $\Omega$ 16'50            | 47°43'46   |
| desc. node          | -7338 Feb 01 j 03:50 | 15° $\mathbb{M}$ 32'40   |            |                     | -7336 Aug 28 j 12:44 | 0° $\mathbb{M}$               |            |
|                     | -7338 Feb 13 j 08:27 | 0° $\mathfrak{A}$        |            |                     | -7336 Oct 04 j 17:02 | 0° $\Omega$                   |            |
|                     | -7338 Mar 10 j 10:34 | 0° $\mathfrak{C}$        |            | greatest brilliancy | -7336 Oct 07 j 22:13 | 1° $\Omega$ 22'00             | -4.9m      |
|                     | -7338 Apr 04 j 05:36 | 0° $\approx$             |            | retrograde          | -7336 Oct 18 j 00:51 | 3° $\Omega$ 21'20             |            |
|                     | -7338 Apr 28 j 17:43 | 0° $\mathfrak{H}$        |            |                     | -7336 Oct 30 j 18:26 | 30° $\mathbb{R}$ $\mathbb{M}$ |            |
| morning set         | -7338 May 03 j 20:54 | 6° $\mathfrak{H}$ 19'36  |            | evening set         | -7336 Nov 01 j 18:43 | 28° $\mathbb{M}$ 55'40        |            |
|                     | -7338 May 22 j 23:36 | 0° $\mathbb{Y}$          |            | min. Earth dist.    | -7336 Nov 07 j 02:37 | 25° $\mathbb{M}$ 42'05        | 0.27225 AU |
| asc. node           | -7338 May 24 j 08:21 | 1° $\mathbb{Y}$ 41'49    |            | inferior conj       | -7336 Nov 07 j 20:55 | 25° $\mathbb{M}$ 13'07        | -0°04'16   |
| max. Earth dist.    | -7338 Jun 04 j 09:50 | 15° $\mathbb{Y}$ 29'06   | 1.72077 AU | minimum elong       | -7336 Nov 07 j 21:04 | 25° $\mathbb{M}$ 12'53        | 0°04'07    |
|                     |                      |                          |            | transit middle      | -7336 Nov 07 j 21:04 | 25° $\mathbb{M}$ 12'53        | 0°04'07    |
| superior conj       | -7338 Jun 08 j 22:26 | 21° $\mathbb{Y}$ 08'16   | 0°35'22    | transit begin       | -7336 Nov 07 j 17:11 | 25° $\mathbb{M}$ 19'03        |            |
| minimum elong       | -7338 Jun 08 j 15:48 | 20° $\mathbb{Y}$ 47'32   | 0°35'12    | transit end         | -7336 Nov 08 j 00:58 | 25° $\mathbb{M}$ 06'43        |            |
|                     | -7338 Jun 16 j 00:26 | 0° $\mathfrak{C}$        |            | asc. node           | -7336 Nov 08 j 03:48 | 25° $\mathbb{M}$ 02'14        |            |
|                     | -7338 Jul 09 j 22:02 | 0° $\mathbb{H}$          |            | morning rise        | -7336 Nov 14 j 00:14 | 21° $\mathbb{M}$ 30'48        |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 14

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                      |            |                      |                      |  |
|---------------------|----------------------|--------------------------------------|------------|----------------------|----------------------|--|
| direct              | -7336 Nov 28 j 07:54 | 17° $\mathbb{M}$ 21'07               |            | -7333 Jul 19 j 05:01 | 0° $\mathfrak{G}$    |  |
| greatest brilliancy | -7336 Dec 07 j 13:10 | 18° $\mathbb{M}$ 57'29               | -4.8m      | -7333 Aug 12 j 14:35 | 0° $\mathcal{O}$     |  |
|                     | -7336 Dec 26 j 18:30 | 0° $\underline{\mathfrak{A}}$        |            | desc. node           | -7333 Aug 16 j 04:58 | 4° $\mathcal{O}$ 23'48                         |
| morning max el      | -7335 Jan 16 j 11:43 | 18° $\underline{\mathfrak{A}}$ 08'27 | 46°05'04   |                      | -7333 Sep 06 j 07:54 | 0° $\mathbb{M}$                                |
|                     | -7335 Jan 28 j 08:50 | 0° $\mathbb{M}$                      |            |                      | -7333 Oct 01 j 15:46 | 0° $\underline{\mathfrak{A}}$                  |
|                     | -7335 Feb 25 j 07:04 | 0° $\mathfrak{A}$                    |            |                      | -7333 Oct 28 j 08:12 | 0° $\mathbb{M}$                                |
| desc. node          | -7335 Feb 28 j 15:51 | 3° $\mathfrak{A}$ 45'14              |            | evening max el       | -7333 Nov 07 j 16:08 | 10° $\mathbb{M}$ 48'07 46°34'07                |
|                     | -7335 Mar 23 j 17:10 | 0° $\mathfrak{Z}$                    |            |                      | -7333 Nov 28 j 14:23 | 0° $\mathfrak{A}$                              |
|                     | -7335 Apr 18 j 06:40 | 0° $\mathfrak{H}$                    |            | asc. node            | -7333 Dec 06 j 14:21 | 5° $\mathfrak{A}$ 49'16                        |
|                     | -7335 May 13 j 05:16 | 0° $\mathfrak{H}$                    |            | greatest brilliancy  | -7333 Dec 16 j 16:45 | 11° $\mathfrak{A}$ 12'36 -4.8m                 |
|                     | -7335 Jun 06 j 16:12 | 0° $\mathfrak{Y}$                    |            | retrograde           | -7333 Dec 27 j 21:30 | 13° $\mathfrak{A}$ 33'15                       |
| asc. node           | -7335 Jun 20 j 21:29 | 17° $\mathfrak{Y}$ 39'56             |            | evening set          | -7332 Jan 13 j 20:07 | 7° $\mathfrak{A}$ 52'19                        |
|                     | -7335 Jun 30 j 18:13 | 0° $\mathfrak{B}$                    |            | min. Earth dist.     | -7332 Jan 17 j 17:23 | 5° $\mathfrak{A}$ 25'10 0.29229 AU             |
| morning set         | -7335 Jul 11 j 20:35 | 13° $\mathfrak{B}$ 56'15             |            | inferior conj        | -7332 Jan 18 j 05:03 | 5° $\mathfrak{A}$ 06'22 7°38'33                |
|                     | -7335 Jul 24 j 14:19 | 0° $\mathbb{I}$                      |            | minimum elong        | -7332 Jan 17 j 23:11 | 5° $\mathfrak{A}$ 15'50 7°37'33                |
|                     | -7335 Aug 17 j 07:48 | 0° $\mathfrak{G}$                    |            | morning rise         | -7332 Jan 22 j 02:36 | 2° $\mathfrak{A}$ 38'30                        |
|                     |                      |                                      |            |                      | -7332 Jan 26 j 20:05 | 30° $\mathfrak{R}$ $\mathbb{M}$                |
| superior conj       | -7335 Aug 20 j 02:10 | 3° $\mathfrak{G}$ 29'52              | 1°22'45    | direct               | -7332 Feb 08 j 18:38 | 26° $\mathbb{M}$ 41'13                         |
| minimum elong       | -7335 Aug 20 j 04:56 | 3° $\mathfrak{G}$ 38'36              | 1°23'14    | greatest brilliancy  | -7332 Feb 17 j 20:27 | 28° $\mathbb{M}$ 11'50 -4.7m                   |
| max. Earth dist.    | -7335 Aug 21 j 17:31 | 5° $\mathfrak{G}$ 34'16              | 1.70762 AU |                      | -7332 Feb 22 j 12:18 | 0° $\mathfrak{A}$                              |
|                     | -7335 Sep 10 j 01:52 | 0° $\mathcal{O}$                     |            | desc. node           | -7332 Mar 28 j 03:15 | 25° $\mathfrak{A}$ 57'25                       |
| evening rise        | -7335 Oct 01 j 07:29 | 26° $\mathcal{O}$ 41'29              |            | morning max el       | -7332 Mar 28 j 13:06 | 26° $\mathfrak{A}$ 20'46 45°53'25              |
|                     | -7335 Oct 03 j 22:52 | 0° $\mathbb{M}$                      |            |                      | -7332 Apr 01 j 08:17 | 0° $\mathfrak{Z}$                              |
| desc. node          | -7335 Oct 11 j 03:54 | 9° $\mathbb{M}$ 00'58                |            |                      | -7332 Apr 30 j 00:31 | 0° $\mathfrak{H}$                              |
|                     | -7335 Oct 28 j 00:00 | 0° $\underline{\mathfrak{A}}$        |            |                      | -7332 May 26 j 09:21 | 0° $\mathfrak{H}$                              |
|                     | -7335 Nov 21 j 05:42 | 0° $\mathbb{M}$                      |            |                      | -7332 Jun 20 j 14:09 | 0° $\mathfrak{Y}$                              |
|                     | -7335 Dec 15 j 17:02 | 0° $\mathfrak{A}$                    |            |                      | -7332 Jul 15 j 01:25 | 0° $\mathfrak{B}$                              |
|                     | -7334 Jan 09 j 13:07 | 0° $\mathfrak{Z}$                    |            | asc. node            | -7332 Jul 18 j 10:27 | 4° $\mathfrak{B}$ 11'30                        |
| asc. node           | -7334 Jan 31 j 09:59 | 25° $\mathfrak{Z}$ 49'25             |            |                      | -7332 Aug 08 j 01:38 | 0° $\mathbb{I}$                                |
|                     | -7334 Feb 04 j 00:23 | 0° $\mathfrak{H}$                    |            |                      | -7332 Aug 31 j 20:18 | 0° $\mathfrak{G}$                              |
|                     | -7334 Mar 02 j 15:18 | 0° $\mathfrak{H}$                    |            |                      | -7332 Sep 24 j 14:10 | 0° $\mathcal{O}$                               |
|                     | -7334 Mar 31 j 18:49 | 0° $\mathfrak{Y}$                    |            | morning set          | -7332 Sep 25 j 08:43 | 0° $\mathcal{O}$ 58'29                         |
| evening max el      | -7334 Apr 01 j 02:09 | 0° $\mathfrak{Y}$ 17'24              | 45°16'42   |                      | -7332 Oct 18 j 10:39 | 0° $\mathbb{M}$                                |
| greatest brilliancy | -7334 May 09 j 13:25 | 27° $\mathfrak{Y}$ 48'06             | -4.7m      |                      |                      |  |
| retrograde          | -7334 May 19 j 17:27 | 29° $\mathfrak{Y}$ 38'02             |            | superior conj        | -7332 Nov 06 j 16:16 | 24° $\mathbb{M}$ 02'18 0°02'23                 |
| desc. node          | -7334 May 23 j 22:19 | 29° $\mathfrak{Y}$ 17'27             |            | minimum elong        | -7332 Nov 06 j 16:55 | 24° $\mathbb{M}$ 04'21 0°02'28                 |
| evening set         | -7334 Jun 03 j 11:01 | 25° $\mathfrak{Y}$ 31'57             |            | behind sun begin     | -7332 Nov 05 j 14:08 | 22° $\mathbb{M}$ 40'50                         |
| inferior conj       | -7334 Jun 09 j 17:31 | 21° $\mathfrak{Y}$ 56'41             | -3°53'52   | behind sun end       | -7332 Nov 07 j 19:43 | 25° $\mathbb{M}$ 27'50                         |
| minimum elong       | -7334 Jun 09 j 09:24 | 22° $\mathfrak{Y}$ 08'50             | 3°51'31    | desc. node           | -7332 Nov 07 j 16:58 | 25° $\mathbb{M}$ 19'17                         |
| min. Earth dist.    | -7334 Jun 10 j 02:33 | 21° $\mathfrak{Y}$ 43'10             | 0.27439 AU |                      | -7332 Nov 11 j 11:09 | 0° $\underline{\mathfrak{A}}$                  |
| morning rise        | -7334 Jun 15 j 07:12 | 18° $\mathfrak{Y}$ 42'44             |            | max. Earth dist.     | -7332 Nov 12 j 13:55 | 1° $\underline{\mathfrak{A}}$ 23'16 1.71948 AU |
| direct              | -7334 Jun 30 j 21:35 | 14° $\mathfrak{Y}$ 05'19             |            |                      | -7332 Dec 05 j 15:30 | 0° $\mathbb{M}$                                |
| greatest brilliancy | -7334 Jul 12 j 02:19 | 16° $\mathfrak{Y}$ 23'36             | -4.9m      | evening rise         | -7332 Dec 18 j 01:10 | 15° $\mathbb{M}$ 19'25                         |
|                     | -7334 Aug 02 j 08:26 | 0° $\mathfrak{B}$                    |            |                      | -7332 Dec 29 j 23:02 | 0° $\mathfrak{A}$                              |
| morning max el      | -7334 Aug 20 j 10:24 | 16° $\mathfrak{B}$ 52'56             | 46°45'38   |                      | -7331 Jan 23 j 09:56 | 0° $\mathfrak{Z}$                              |
|                     | -7334 Sep 01 j 20:47 | 0° $\mathbb{I}$                      |            |                      | -7331 Feb 17 j 01:38 | 0° $\mathfrak{H}$                              |
| asc. node           | -7334 Sep 13 j 08:29 | 12° $\mathbb{I}$ 49'09               |            | asc. node            | -7331 Feb 27 j 21:58 | 13° $\mathfrak{H}$ 05'29                       |
|                     | -7334 Sep 28 j 04:09 | 0° $\mathfrak{G}$                    |            |                      | -7331 Mar 14 j 00:41 | 0° $\mathfrak{H}$                              |
|                     | -7334 Oct 23 j 05:21 | 0° $\mathcal{O}$                     |            |                      | -7331 Apr 08 j 10:29 | 0° $\mathfrak{Y}$                              |
|                     | -7334 Nov 16 j 21:07 | 0° $\mathbb{M}$                      |            |                      | -7331 May 04 j 12:56 | 0° $\mathfrak{B}$                              |
|                     | -7334 Dec 11 j 11:49 | 0° $\underline{\mathfrak{A}}$        |            |                      | -7331 Jun 01 j 00:01 | 0° $\mathbb{I}$                                |
| desc. node          | -7333 Jan 03 j 17:18 | 28° $\underline{\mathfrak{A}}$ 15'28 |            | evening max el       | -7331 Jun 13 j 11:36 | 12° $\mathbb{I}$ 40'50 46°48'18                |
|                     | -7333 Jan 05 j 03:41 | 0° $\mathbb{M}$                      |            | desc. node           | -7331 Jun 20 j 08:51 | 19° $\mathbb{I}$ 15'51                         |
|                     | -7333 Jan 29 j 19:50 | 0° $\mathfrak{A}$                    |            |                      | -7331 Jul 02 j 17:49 | 0° $\mathfrak{G}$                              |
|                     | -7333 Feb 23 j 10:28 | 0° $\mathfrak{Z}$                    |            | greatest brilliancy  | -7331 Jul 24 j 13:56 | 13° $\mathfrak{G}$ 00'20 -4.9m                 |
| morning set         | -7333 Feb 24 j 02:27 | 0° $\mathfrak{Z}$ 48'46              |            | retrograde           | -7331 Aug 02 j 16:19 | 14° $\mathfrak{G}$ 32'59                       |
|                     | -7333 Mar 19 j 22:28 | 0° $\mathfrak{H}$                    |            | evening set          | -7331 Aug 20 j 12:47 | 8° $\mathfrak{G}$ 33'16                        |
| max. Earth dist.    | -7333 Mar 28 j 22:41 | 11° $\mathfrak{H}$ 04'04             | 1.73587 AU | inferior conj        | -7331 Aug 23 j 08:30 | 6° $\mathfrak{G}$ 51'12 -8°49'35               |
|                     |                      |                                      |            | minimum elong        | -7331 Aug 23 j 12:59 | 6° $\mathfrak{G}$ 44'23 8°48'48                |
| superior conj       | -7333 Mar 31 j 21:16 | 14° $\mathfrak{H}$ 41'10             | -0°53'19   | min. Earth dist.     | -7331 Aug 23 j 06:47 | 6° $\mathfrak{G}$ 53'49 0.26588 AU             |
| minimum elong       | -7333 Apr 01 j 05:11 | 15° $\mathfrak{H}$ 05'31             | 0°53'25    | morning rise         | -7331 Aug 26 j 13:11 | 4° $\mathfrak{G}$ 56'07                        |
|                     | -7333 Apr 13 j 07:35 | 0° $\mathfrak{H}$                    |            |                      | -7331 Sep 06 j 19:24 | 30° $\mathfrak{R}$ $\mathbb{I}$                |
| asc. node           | -7333 Apr 25 j 21:17 | 15° $\mathfrak{H}$ 31'08             |            | direct               | -7331 Sep 12 j 15:52 | 29° $\mathbb{I}$ 17'45                         |
| evening rise        | -7333 May 06 j 08:04 | 28° $\mathfrak{H}$ 26'40             |            |                      | -7331 Sep 18 j 15:28 | 0° $\mathfrak{G}$                              |
|                     | -7333 May 07 j 14:13 | 0° $\mathfrak{Y}$                    |            | greatest brilliancy  | -7331 Sep 22 j 22:27 | 1° $\mathfrak{G}$ 18'31 -4.9m                  |
|                     | -7333 May 31 j 19:06 | 0° $\mathfrak{B}$                    |            | asc. node            | -7331 Oct 10 j 19:25 | 12° $\mathfrak{G}$ 07'03                       |
|                     | -7333 Jun 24 j 23:24 | 0° $\mathbb{I}$                      |            |                      | -7331 Oct 30 j 13:29 | 0° $\mathcal{O}$                               |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 15

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
| morning max el      | -7331 Nov 02 j 04:23 | 2°Ω38'29  | 46°38'01   |                     |  | -7328 Jul 05 j 10:14 | 0°☿       |            |
|                     | -7331 Nov 27 j 14:35 | 0°♊       |            | desc. node          |  | -7328 Jul 17 j 19:37 | 14°☿26'20 |            |
|                     | -7331 Dec 23 j 20:35 | 0°♈       |            |                     |  | -7328 Jul 31 j 11:16 | 0°♈       |            |
|                     | -7330 Jan 18 j 12:16 | 0°♊       |            | evening max el      |  | -7328 Aug 25 j 10:43 | 26°♈54'51 | 47°44'22   |
| desc. node          | -7330 Jan 31 j 06:00 | 15°♊02'30 |            |                     |  | -7328 Aug 28 j 12:18 | 0°♊       |            |
|                     | -7330 Feb 12 j 20:26 | 0°♊       |            | greatest brilliancy |  | -7328 Oct 05 j 13:53 | 28°♊58'53 | -4.9m      |
|                     | -7330 Mar 09 j 21:59 | 0°♊       |            |                     |  | -7328 Oct 08 j 17:31 | 0°♈       |            |
|                     | -7330 Apr 03 j 16:42 | 0°♊       |            | retrograde          |  | -7328 Oct 15 j 16:03 | 0°♈57'47  |            |
|                     | -7330 Apr 28 j 04:40 | 0°♊       |            |                     |  | -7328 Oct 22 j 09:36 | 30°♊      |            |
| morning set         | -7330 May 01 j 15:39 | 4°♊15'40  |            | evening set         |  | -7328 Oct 30 j 09:59 | 26°♊31'07 |            |
|                     | -7330 May 22 j 10:31 | 0°♊       |            | min. Earth dist.    |  | -7328 Nov 04 j 17:25 | 23°♊18'31 | 0.27163 AU |
| asc. node           | -7330 May 23 j 10:22 | 1°♊14'09  |            | inferior conj       |  | -7328 Nov 05 j 11:16 | 22°♊50'21 | -0°26'30   |
| max. Earth dist.    | -7330 Jun 02 j 03:19 | 13°♊19'44 | 1.72143 AU | minimum elong       |  | -7328 Nov 05 j 12:13 | 22°♊48'52 | 0°26'05    |
|                     |                      |           |            | asc. node           |  | -7328 Nov 07 j 05:55 | 21°♊43'24 |            |
| superior conj       | -7330 Jun 06 j 15:41 | 18°♊58'00 | 0°32'26    | morning rise        |  | -7328 Nov 11 j 15:16 | 19°♊07'50 |            |
| minimum elong       | -7330 Jun 06 j 09:32 | 18°♊38'47 | 0°32'16    | direct              |  | -7328 Nov 25 j 21:38 | 14°♊59'24 |            |
|                     | -7330 Jun 15 j 11:24 | 0°♊       |            | greatest brilliancy |  | -7328 Dec 05 j 03:33 | 16°♊36'50 | -4.8m      |
|                     | -7330 Jul 09 j 09:08 | 0°♊       |            |                     |  | -7328 Dec 27 j 07:53 | 0°♈       |            |
| evening rise        | -7330 Jul 13 j 16:37 | 5°♊25'07  |            | morning max el      |  | -7327 Jan 14 j 03:21 | 15°♈54'39 | 46°06'01   |
|                     | -7330 Aug 02 j 06:02 | 0°☿       |            |                     |  | -7327 Jan 28 j 03:54 | 0°♊       |            |
|                     | -7330 Aug 26 j 04:30 | 0°♈       |            |                     |  | -7327 Feb 24 j 21:54 | 0°♊       |            |
| desc. node          | -7330 Sep 12 j 17:14 | 21°♈51'30 |            | desc. node          |  | -7327 Feb 27 j 18:07 | 3°♊10'50  |            |
|                     | -7330 Sep 19 j 06:37 | 0°♊       |            |                     |  | -7327 Mar 23 j 06:12 | 0°♊       |            |
|                     | -7330 Oct 13 j 14:11 | 0°♈       |            |                     |  | -7327 Apr 17 j 18:47 | 0°♊       |            |
|                     | -7330 Nov 07 j 06:06 | 0°♊       |            |                     |  | -7327 May 12 j 16:52 | 0°♊       |            |
|                     | -7330 Dec 02 j 13:09 | 0°♊       |            |                     |  | -7327 Jun 06 j 03:32 | 0°♊       |            |
|                     | -7330 Dec 29 j 04:27 | 0°♊       |            | asc. node           |  | -7327 Jun 19 j 23:38 | 17°♊11'28 |            |
| asc. node           | -7329 Jan 03 j 01:02 | 5°♊11'17  |            |                     |  | -7327 Jun 30 j 05:27 | 0°♊       |            |
| evening max el      | -7329 Jan 17 j 07:01 | 19°♊38'17 | 45°10'09   | morning set         |  | -7327 Jul 09 j 10:57 | 11°♊35'12 |            |
|                     | -7329 Jan 28 j 14:16 | 0°♊       |            |                     |  | -7327 Jul 24 j 01:33 | 0°♊       |            |
| greatest brilliancy | -7329 Feb 23 j 23:52 | 17°♊09'55 | -4.7m      |                     |  | -7327 Aug 16 j 19:06 | 0°☿       |            |
| retrograde          | -7329 Mar 06 j 13:06 | 19°♊10'04 |            |                     |  |                      |           |            |
| evening set         | -7329 Mar 23 j 01:44 | 14°♊01'39 |            | superior conj       |  | -7327 Aug 17 j 13:12 | 0°☿57'15  | 1°23'08    |
| inferior conj       | -7329 Mar 28 j 00:14 | 11°♊02'23 | 5°49'10    | minimum elong       |  | -7327 Aug 17 j 14:57 | 1°☿02'48  | 1°23'38    |
| minimum elong       | -7329 Mar 28 j 09:06 | 10°♊48'34 | 5°47'03    | max. Earth dist.    |  | -7327 Aug 18 j 23:03 | 2°☿44'16  | 1.70768 AU |
| min. Earth dist.    | -7329 Mar 29 j 00:57 | 10°♊23'51 | 0.29180 AU |                     |  | -7327 Sep 09 j 13:14 | 0°♈       |            |
| morning rise        | -7329 Apr 02 j 15:53 | 7°♊36'42  |            | evening rise        |  | -7327 Sep 28 j 15:03 | 23°♈58'57 |            |
| direct              | -7329 Apr 18 j 21:34 | 2°♊36'29  |            |                     |  | -7327 Oct 03 j 10:18 | 0°♊       |            |
| desc. node          | -7329 Apr 25 j 13:53 | 3°♊25'40  |            | desc. node          |  | -7327 Oct 10 j 05:54 | 8°♊31'29  |            |
| greatest brilliancy | -7329 Apr 30 j 00:39 | 4°♊48'11  | -4.7m      |                     |  | -7327 Oct 27 j 11:30 | 0°♈       |            |
|                     | -7329 Jun 03 j 23:55 | 0°♊       |            |                     |  | -7327 Nov 20 j 17:19 | 0°♊       |            |
| morning max el      | -7329 Jun 07 j 09:47 | 3°♊16'47  | 46°15'51   |                     |  | -7327 Dec 15 j 04:52 | 0°♊       |            |
|                     | -7329 Jul 02 j 19:50 | 0°♊       |            |                     |  | -7326 Jan 09 j 01:28 | 0°♊       |            |
|                     | -7329 Jul 28 j 20:00 | 0°♊       |            | asc. node           |  | -7326 Jan 30 j 12:17 | 25°♊17'27 |            |
| asc. node           | -7329 Aug 15 j 22:56 | 21°♊50'29 |            |                     |  | -7326 Feb 03 j 13:54 | 0°♊       |            |
|                     | -7329 Aug 22 j 14:48 | 0°♊       |            |                     |  | -7326 Mar 02 j 07:30 | 0°♊       |            |
|                     | -7329 Sep 15 j 19:26 | 0°☿       |            | evening max el      |  | -7326 Mar 29 j 17:34 | 28°♊04'15 | 45°14'33   |
|                     | -7329 Oct 09 j 19:01 | 0°♈       |            |                     |  | -7326 Mar 31 j 18:54 | 0°♊       |            |
|                     | -7329 Nov 02 j 19:19 | 0°♊       |            | greatest brilliancy |  | -7326 May 07 j 02:04 | 25°♊28'20 | -4.7m      |
|                     | -7329 Nov 26 j 23:03 | 0°♈       |            | retrograde          |  | -7326 May 17 j 06:31 | 27°♊18'05 |            |
| desc. node          | -7329 Dec 06 j 06:13 | 11°♈29'47 |            | desc. node          |  | -7326 May 23 j 00:31 | 26°♊39'42 |            |
| morning set         | -7329 Dec 12 j 12:03 | 19°♈12'11 |            | evening set         |  | -7326 May 31 j 23:01 | 23°♊14'02 |            |
|                     | -7329 Dec 21 j 06:16 | 0°♊       |            | inferior conj       |  | -7326 Jun 07 j 06:55 | 19°♊36'26 | -3°33'25   |
|                     | -7328 Jan 14 j 15:40 | 0°♊       |            | minimum elong       |  | -7326 Jun 06 j 23:24 | 19°♊47'44 | 3°31'13    |
|                     |                      |           |            | min. Earth dist.    |  | -7326 Jun 07 j 16:47 | 19°♊21'38 | 0.27488 AU |
| superior conj       | -7328 Jan 21 j 03:20 | 7°♊58'06  | -1°18'26   | morning rise        |  | -7326 Jun 12 j 23:10 | 16°♊18'36 |            |
| minimum elong       | -7328 Jan 20 j 22:06 | 7°♊42'03  | 1°18'48    | direct              |  | -7326 Jun 28 j 12:15 | 11°♊44'12 |            |
| max. Earth dist.    | -7328 Jan 21 j 19:57 | 8°♊49'09  | 1.73499 AU | greatest brilliancy |  | -7326 Jul 09 j 16:35 | 14°♊01'51 | -4.9m      |
|                     | -7328 Feb 08 j 01:56 | 0°♊       |            |                     |  | -7326 Aug 02 j 17:48 | 0°♊       |            |
| evening rise        | -7328 Feb 26 j 23:44 | 23°♊12'20 |            | morning max el      |  | -7326 Aug 17 j 23:56 | 14°♊27'28 | 46°45'01   |
| greatest brilliancy | -7328 Mar 02 j 04:47 | 28°♊22'06 | -3.9m      |                     |  | -7326 Sep 01 j 15:45 | 0°♊       |            |
|                     | -7328 Mar 03 j 12:43 | 0°♊       |            | asc. node           |  | -7326 Sep 12 j 10:43 | 12°♊07'02 |            |
| asc. node           | -7328 Mar 27 j 10:25 | 29°♊16'58 |            |                     |  | -7326 Sep 27 j 19:26 | 0°☿       |            |
|                     | -7328 Mar 28 j 00:30 | 0°♊       |            |                     |  | -7326 Oct 22 j 19:00 | 0°♈       |            |
|                     | -7328 Apr 21 j 14:09 | 0°♊       |            |                     |  | -7326 Nov 16 j 09:51 | 0°♊       |            |
|                     | -7328 May 16 j 06:41 | 0°♊       |            |                     |  | -7326 Dec 10 j 23:57 | 0°♈       |            |
|                     | -7328 Jun 10 j 03:59 | 0°♊       |            | desc. node          |  | -7325 Jan 02 j 19:28 | 27°♈46'27 |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 16

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7325 Jan 04 j 15:22 | 0°♍       |            | desc. node          | -7323 Jun 19 j 11:05 | 18°♊15'38 |            |
|                     | -7325 Jan 29 j 07:09 | 0°♈       |            |                     | -7323 Jul 03 j 11:04 | 0°♋       |            |
| morning set         | -7325 Feb 21 j 20:38 | 28°♈43'54 |            | greatest brilliancy | -7323 Jul 22 j 02:00 | 10°♋29'40 | -4.9m      |
|                     | -7325 Feb 22 j 21:33 | 0°♊       |            | retrograde          | -7323 Jul 31 j 03:32 | 12°♋01'51 |            |
|                     | -7325 Mar 19 j 09:26 | 0°♋       |            | evening set         | -7323 Aug 18 j 01:43 | 6°♋00'59  |            |
| max. Earth dist.    | -7325 Mar 26 j 20:26 | 9°♋09'40  | 1.73614 AU | inferior conj       | -7323 Aug 20 j 20:27 | 4°♋20'38  | -8°53'43   |
|                     |                      |           |            | minimum elong       | -7323 Aug 20 j 24:00 | 4°♋15'14  | 8°53'03    |
| superior conj       | -7325 Mar 29 j 16:54 | 12°♋40'08 | -0°55'30   | min. Earth dist.    | -7323 Aug 20 j 19:13 | 4°♋22'30  | 0.26603 AU |
| minimum elong       | -7325 Mar 30 j 00:54 | 13°♋04'43 | 0°55'38    | morning rise        | -7323 Aug 23 j 22:14 | 2°♋29'53  |            |
|                     | -7325 Apr 12 j 18:35 | 0°♌       |            |                     | -7323 Aug 28 j 12:33 | 30°♌      |            |
| asc. node           | -7325 Apr 24 j 23:19 | 15°♌03'15 |            | direct              | -7323 Sep 10 j 03:30 | 26°♌46'48 |            |
| evening rise        | -7325 May 04 j 03:36 | 26°♌24'03 |            | greatest brilliancy | -7323 Sep 20 j 12:10 | 28°♌49'03 | -4.9m      |
|                     | -7325 May 07 j 01:24 | 0°♍       |            |                     | -7323 Sep 23 j 07:44 | 0°♍       |            |
|                     | -7325 May 31 j 06:32 | 0°♎       |            | asc. node           | -7323 Oct 09 j 21:31 | 10°♍51'19 |            |
|                     | -7325 Jun 24 j 11:10 | 0°♏       |            | morning max el      | -7323 Oct 30 j 16:47 | 0°♏08'22  | 46°39'05   |
|                     | -7325 Jul 18 j 17:13 | 0°♐       |            |                     | -7323 Oct 30 j 13:30 | 0°♏       |            |
|                     | -7325 Aug 12 j 03:23 | 0°♑       |            |                     | -7323 Nov 27 j 07:37 | 0°♐       |            |
| desc. node          | -7325 Aug 15 j 07:13 | 3°♑51'21  |            |                     | -7323 Dec 23 j 10:58 | 0°♑       |            |
|                     | -7325 Sep 05 j 21:35 | 0°♒       |            |                     | -7322 Jan 18 j 01:15 | 0°♒       |            |
|                     | -7325 Oct 01 j 07:03 | 0°♓       |            | desc. node          | -7322 Jan 30 j 08:09 | 14°♒31'44 |            |
|                     | -7325 Oct 28 j 03:17 | 0°♓       |            |                     | -7322 Feb 12 j 08:34 | 0°♓       |            |
| evening max el      | -7325 Nov 05 j 07:59 | 8°♓31'40  | 46°37'32   |                     | -7322 Mar 09 j 09:35 | 0°♔       |            |
|                     | -7325 Nov 29 j 03:44 | 0°♈       |            |                     | -7322 Apr 03 j 03:58 | 0°♔       |            |
| asc. node           | -7325 Dec 05 j 16:39 | 4°♈31'00  |            |                     | -7322 Apr 27 j 15:45 | 0°♕       |            |
| greatest brilliancy | -7325 Dec 14 j 11:11 | 9°♈03'39  | -4.8m      | morning set         | -7322 Apr 29 j 10:57 | 2°♕13'02  |            |
| retrograde          | -7325 Dec 25 j 14:43 | 11°♈23'20 |            |                     | -7322 May 21 j 21:33 | 0°♖       |            |
| evening set         | -7324 Jan 11 j 11:09 | 5°♈46'16  |            | asc. node           | -7322 May 22 j 12:37 | 0°♖46'49  |            |
| inferior conj       | -7324 Jan 15 j 22:18 | 2°♈56'44  | 7°32'09    | max. Earth dist.    | -7322 May 30 j 23:01 | 11°♖16'58 | 1.72207 AU |
| minimum elong       | -7324 Jan 15 j 15:56 | 3°♈06'59  | 7°31'02    |                     |                      |           |            |
| min. Earth dist.    | -7324 Jan 15 j 09:34 | 3°♈17'16  | 0.29175 AU | superior conj       | -7322 Jun 04 j 09:29 | 16°♖49'05 | 0°29'29    |
| morning rise        | -7324 Jan 19 j 21:05 | 0°♈26'42  |            | minimum elong       | -7322 Jun 04 j 03:50 | 16°♖31'27 | 0°29'20    |
|                     | -7324 Jan 20 j 14:47 | 30°♌      |            |                     | -7322 Jun 14 j 22:31 | 0°♎       |            |
| direct              | -7324 Feb 06 j 11:05 | 24°♌32'37 |            |                     | -7322 Jul 08 j 20:25 | 0°♏       |            |
| greatest brilliancy | -7324 Feb 15 j 11:39 | 26°♌02'01 | -4.7m      | evening rise        | -7322 Jul 11 j 07:38 | 3°♏06'00  |            |
|                     | -7324 Feb 24 j 11:14 | 0°♈       |            |                     | -7322 Aug 01 j 17:32 | 0°♋       |            |
| morning max el      | -7324 Mar 26 j 04:15 | 24°♈09'18 | 45°53'12   |                     | -7322 Aug 25 j 16:15 | 0°♑       |            |
| desc. node          | -7324 Mar 27 j 05:17 | 25°♈08'54 |            | desc. node          | -7322 Sep 11 j 19:15 | 21°♑20'42 |            |
|                     | -7324 Apr 01 j 05:04 | 0°♊       |            |                     | -7322 Sep 18 j 18:38 | 0°♒       |            |
|                     | -7324 Apr 29 j 15:50 | 0°♋       |            |                     | -7322 Oct 13 j 02:33 | 0°♓       |            |
|                     | -7324 May 25 j 22:42 | 0°♌       |            |                     | -7322 Nov 06 j 19:05 | 0°♔       |            |
|                     | -7324 Jun 20 j 02:35 | 0°♍       |            |                     | -7322 Dec 02 j 03:23 | 0°♕       |            |
|                     | -7324 Jul 14 j 13:23 | 0°♎       |            |                     | -7322 Dec 28 j 21:45 | 0°♖       |            |
| asc. node           | -7324 Jul 17 j 12:41 | 3°♎41'22  |            | asc. node           | -7321 Jan 02 j 03:20 | 4°♖29'30  |            |
|                     | -7324 Aug 07 j 13:21 | 0°♏       |            | evening max el      | -7321 Jan 14 j 22:30 | 17°♖26'12 | 45°12'00   |
|                     | -7324 Aug 31 j 07:53 | 0°♐       |            |                     | -7321 Jan 28 j 19:40 | 0°♗       |            |
| morning set         | -7324 Sep 22 j 18:28 | 28°♐21'33 |            | greatest brilliancy | -7321 Feb 21 j 15:08 | 15°♗01'21 | -4.7m      |
|                     | -7324 Sep 24 j 01:40 | 0°♑       |            | retrograde          | -7321 Mar 04 j 06:11 | 17°♗03'10 |            |
|                     | -7324 Oct 17 j 22:05 | 0°♒       |            | evening set         | -7321 Mar 20 j 20:43 | 11°♗50'25 |            |
|                     |                      |           |            | inferior conj       | -7321 Mar 25 j 16:56 | 8°♗54'15  | 6°01'46    |
| superior conj       | -7324 Nov 04 j 01:22 | 21°♒25'36 | 0°06'18    | minimum elong       | -7321 Mar 26 j 01:45 | 8°♗40'30  | 5°59'44    |
| minimum elong       | -7324 Nov 04 j 03:06 | 21°♒31'02 | 0°06'21    | min. Earth dist.    | -7321 Mar 26 j 16:56 | 8°♗16'49  | 0.29225 AU |
| behind sun begin    | -7324 Nov 03 j 01:54 | 20°♒12'25 |            | morning rise        | -7321 Mar 31 j 06:16 | 5°♗31'54  |            |
| behind sun end      | -7324 Nov 05 j 04:19 | 22°♒49'37 |            | direct              | -7321 Apr 16 j 14:30 | 0°♗27'31  |            |
| desc. node          | -7324 Nov 06 j 19:02 | 24°♒50'15 |            | desc. node          | -7321 Apr 24 j 16:03 | 1°♗38'42  |            |
| max. Earth dist.    | -7324 Nov 10 j 03:05 | 28°♒59'29 | 1.71880 AU | greatest brilliancy | -7321 Apr 27 j 16:21 | 2°♗38'25  | -4.7m      |
|                     | -7324 Nov 10 j 22:32 | 0°♓       |            |                     | -7321 Jun 03 j 23:09 | 0°♕       |            |
|                     | -7324 Dec 05 j 02:50 | 0°♔       |            | morning max el      | -7321 Jun 05 j 03:00 | 1°♕07'29  | 46°14'50   |
| evening rise        | -7324 Dec 15 j 14:14 | 12°♔56'40 |            |                     | -7321 Jul 02 j 12:02 | 0°♖       |            |
|                     | -7324 Dec 29 j 10:22 | 0°♕       |            |                     | -7321 Jul 28 j 09:50 | 0°♎       |            |
|                     | -7323 Jan 22 j 21:22 | 0°♖       |            | asc. node           | -7321 Aug 15 j 01:08 | 21°♎17'24 |            |
|                     | -7323 Feb 16 j 13:23 | 0°♗       |            |                     | -7321 Aug 22 j 03:35 | 0°♏       |            |
| asc. node           | -7323 Feb 27 j 00:10 | 12°♗36'15 |            |                     | -7321 Sep 15 j 07:41 | 0°♐       |            |
|                     | -7323 Mar 13 j 13:01 | 0°♕       |            |                     | -7321 Oct 09 j 06:56 | 0°♑       |            |
|                     | -7323 Apr 07 j 23:56 | 0°♖       |            |                     | -7321 Nov 02 j 07:00 | 0°♒       |            |
|                     | -7323 May 04 j 04:30 | 0°♎       |            |                     | -7321 Nov 26 j 10:30 | 0°♓       |            |
|                     | -7323 May 31 j 20:24 | 0°♏       |            | desc. node          | -7321 Dec 05 j 08:26 | 11°♓01'28 |            |
| evening max el      | -7323 Jun 10 j 23:12 | 10°♏12'04 | 46°44'36   | morning set         | -7321 Dec 09 j 23:52 | 16°♓45'31 |            |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7321 Dec 20 j 17:32 | 0°♌       |            | min. Earth dist.    | -7318 Jun 05 j 07:36 | 17°♑01'02 | 0.27535 AU |
|                     | -7320 Jan 14 j 02:47 | 0°♊       |            | morning rise        | -7318 Jun 10 j 15:11 | 13°♑56'00 |            |
|                     |                      |           |            | direct              | -7318 Jun 26 j 02:35 | 9°♑24'23  |            |
| superior conj       | -7320 Jan 18 j 19:09 | 5°♊45'15  | -1°17'26   | greatest brilliancy | -7318 Jul 07 j 07:36 | 11°♑42'01 | -4.9m      |
| minimum elong       | -7320 Jan 18 j 13:16 | 5°♊27'10  | 1°17'46    |                     | -7318 Aug 03 j 00:18 | 0°♋       |            |
| max. Earth dist.    | -7320 Jan 19 j 15:15 | 6°♊47'00  | 1.73466 AU | morning max el      | -7318 Aug 15 j 12:51 | 12°♋01'22 | 46°44'29   |
|                     | -7320 Feb 07 j 12:59 | 0°♋       |            |                     | -7318 Sep 01 j 09:56 | 0°♌       |            |
| evening rise        | -7320 Feb 24 j 18:11 | 21°♋07'50 |            | asc. node           | -7318 Sep 11 j 12:47 | 11°♌25'45 |            |
| greatest brilliancy | -7320 Feb 29 j 21:10 | 27°♋24'51 | -3.9m      |                     | -7318 Sep 27 j 10:12 | 0°♍       |            |
|                     | -7320 Mar 02 j 23:48 | 0°♎       |            |                     | -7318 Oct 22 j 08:15 | 0°♎       |            |
| asc. node           | -7320 Mar 26 j 12:30 | 28°♎48'54 |            |                     | -7318 Nov 15 j 22:16 | 0°♏       |            |
|                     | -7320 Mar 27 j 11:46 | 0°♐       |            |                     | -7318 Dec 10 j 11:48 | 0°♐       |            |
|                     | -7320 Apr 21 j 01:47 | 0°♑       |            | desc. node          | -7317 Jan 01 j 21:35 | 27°♐17'58 |            |
|                     | -7320 May 15 j 18:55 | 0°♒       |            |                     | -7317 Jan 04 j 02:49 | 0°♑       |            |
|                     | -7320 Jun 09 j 17:05 | 0°♌       |            |                     | -7317 Jan 28 j 18:18 | 0°♊       |            |
|                     | -7320 Jul 05 j 00:43 | 0°♍       |            | morning set         | -7317 Feb 19 j 14:21 | 26°♊38'02 |            |
| desc. node          | -7320 Jul 16 j 21:52 | 13°♍48'06 |            |                     | -7317 Feb 22 j 08:28 | 0°♋       |            |
|                     | -7320 Jul 31 j 04:27 | 0°♎       |            |                     | -7317 Mar 18 j 20:14 | 0°♌       |            |
| evening max el      | -7320 Aug 23 j 02:30 | 24°♎35'07 | 47°44'34   | max. Earth dist.    | -7317 Mar 24 j 16:24 | 7°♌10'23  | 1.73636 AU |
|                     | -7320 Aug 28 j 12:51 | 0°♏       |            |                     |                      |           |            |
| greatest brilliancy | -7320 Oct 03 j 05:05 | 26°♏34'46 | -4.9m      | superior conj       | -7317 Mar 27 j 12:11 | 10°♌38'42 | -0°57'40   |
| retrograde          | -7320 Oct 13 j 07:11 | 28°♏33'09 |            | minimum elong       | -7317 Mar 27 j 20:14 | 11°♌03'24 | 0°57'48    |
| evening set         | -7320 Oct 28 j 01:15 | 24°♏05'27 |            |                     | -7317 Apr 12 j 05:24 | 0°♐       |            |
| min. Earth dist.    | -7320 Nov 02 j 07:53 | 20°♏54'01 | 0.27109 AU | asc. node           | -7317 Apr 24 j 01:33 | 14°♐36'37 |            |
| inferior conj       | -7320 Nov 03 j 01:22 | 20°♏26'30 | -0°49'00   | evening rise        | -7317 May 01 j 22:54 | 24°♐21'34 |            |
| minimum elong       | -7320 Nov 03 j 03:07 | 20°♏23'44 | 0°48'19    |                     | -7317 May 06 j 12:20 | 0°♑       |            |
| asc. node           | -7320 Nov 06 j 08:15 | 18°♏24'11 |            |                     | -7317 May 30 j 17:43 | 0°♒       |            |
| morning rise        | -7320 Nov 09 j 05:53 | 16°♏43'57 |            |                     | -7317 Jun 23 j 22:42 | 0°♌       |            |
| direct              | -7320 Nov 23 j 11:38 | 12°♏36'42 |            |                     | -7317 Jul 18 j 05:12 | 0°♍       |            |
| greatest brilliancy | -7320 Dec 02 j 17:31 | 14°♏14'38 | -4.8m      |                     | -7317 Aug 11 j 15:59 | 0°♎       |            |
|                     | -7320 Dec 27 j 18:11 | 0°♐       |            | desc. node          | -7317 Aug 14 j 09:15 | 3°♎18'58  |            |
| morning max el      | -7319 Jan 11 j 18:56 | 13°♐40'01 | 46°06'58   |                     | -7317 Sep 05 j 11:04 | 0°♏       |            |
|                     | -7319 Jan 27 j 22:39 | 0°♑       |            |                     | -7317 Sep 30 j 22:10 | 0°♐       |            |
|                     | -7319 Feb 24 j 12:39 | 0°♊       |            |                     | -7317 Oct 27 j 22:27 | 0°♑       |            |
| desc. node          | -7319 Feb 26 j 20:12 | 2°♊35'54  |            | evening max el      | -7317 Nov 02 j 22:52 | 6°♑13'43  | 46°40'53   |
|                     | -7319 Mar 22 j 19:10 | 0°♋       |            |                     | -7317 Nov 29 j 21:06 | 0°♊       |            |
|                     | -7319 Apr 17 j 06:47 | 0°♌       |            | asc. node           | -7317 Dec 04 j 18:53 | 3°♊10'59  |            |
|                     | -7319 May 12 j 04:22 | 0°♐       |            | greatest brilliancy | -7317 Dec 12 j 05:25 | 6°♊55'00  | -4.8m      |
|                     | -7319 Jun 05 j 14:47 | 0°♑       |            | retrograde          | -7317 Dec 23 j 07:38 | 9°♊13'57  |            |
| asc. node           | -7319 Jun 19 j 01:50 | 16°♑43'30 |            | evening set         | -7316 Jan 09 j 01:57 | 3°♊40'39  |            |
|                     | -7319 Jun 29 j 16:36 | 0°♒       |            | min. Earth dist.    | -7316 Jan 13 j 01:58 | 1°♊09'19  | 0.29124 AU |
| morning set         | -7319 Jul 07 j 01:50 | 9°♒16'14  |            | inferior conj       | -7316 Jan 13 j 15:26 | 0°♊47'33  | 7°25'02    |
|                     | -7319 Jul 23 j 12:41 | 0°♌       |            | minimum elong       | -7316 Jan 13 j 08:38 | 0°♊58'33  | 7°23'48    |
|                     |                      |           |            |                     | -7316 Jan 14 j 20:56 | 30°♌      |            |
| superior conj       | -7319 Aug 15 j 00:58 | 28°♌27'29 | 1°23'21    | morning rise        | -7316 Jan 17 j 15:39 | 28°♌15'08 |            |
| minimum elong       | -7319 Aug 15 j 01:45 | 28°♌29'56 | 1°23'51    | direct              | -7316 Feb 04 j 02:59 | 22°♌24'14 |            |
| max. Earth dist.    | -7319 Aug 16 j 03:21 | 29°♌50'50 | 1.70774 AU | greatest brilliancy | -7316 Feb 13 j 03:29 | 23°♌53'13 | -4.7m      |
|                     | -7319 Aug 16 j 06:14 | 0°♍       |            |                     | -7316 Feb 25 j 18:36 | 0°♊       |            |
|                     | -7319 Sep 09 j 00:26 | 0°♎       |            | morning max el      | -7316 Mar 23 j 19:18 | 21°♊58'00 | 45°53'02   |
| evening rise        | -7319 Sep 25 j 23:00 | 21°♎18'01 |            | desc. node          | -7316 Mar 26 j 07:28 | 24°♊21'58 |            |
|                     | -7319 Oct 02 j 21:35 | 0°♏       |            |                     | -7316 Apr 01 j 01:01 | 0°♋       |            |
| desc. node          | -7319 Oct 09 j 08:02 | 8°♏02'51  |            |                     | -7316 Apr 29 j 06:46 | 0°♌       |            |
|                     | -7319 Oct 26 j 22:54 | 0°♐       |            |                     | -7316 May 25 j 11:43 | 0°♐       |            |
|                     | -7319 Nov 20 j 04:51 | 0°♑       |            |                     | -7316 Jun 19 j 14:40 | 0°♑       |            |
|                     | -7319 Dec 14 j 16:41 | 0°♊       |            |                     | -7316 Jul 14 j 00:59 | 0°♒       |            |
|                     | -7318 Jan 08 j 13:52 | 0°♋       |            | asc. node           | -7316 Jul 16 j 14:47 | 3°♒11'57  |            |
| asc. node           | -7318 Jan 29 j 14:27 | 24°♋45'00 |            |                     | -7316 Aug 07 j 00:42 | 0°♌       |            |
|                     | -7318 Feb 03 j 03:31 | 0°♌       |            |                     | -7316 Aug 30 j 19:07 | 0°♍       |            |
|                     | -7318 Mar 01 j 23:55 | 0°♐       |            | morning set         | -7316 Sep 20 j 04:15 | 25°♍45'38 |            |
| evening max el      | -7318 Mar 27 j 08:28 | 25°♐50'19 | 45°12'38   |                     | -7316 Sep 23 j 12:51 | 0°♎       |            |
|                     | -7318 Mar 31 j 20:00 | 0°♑       |            |                     | -7316 Oct 17 j 09:12 | 0°♏       |            |
| greatest brilliancy | -7318 May 04 j 15:25 | 23°♑10'21 | -4.7m      |                     |                      |           |            |
| retrograde          | -7318 May 14 j 19:14 | 24°♑59'31 |            | superior conj       | -7316 Nov 01 j 10:32 | 18°♑50'05 | 0°10'11    |
| desc. node          | -7318 May 22 j 02:49 | 23°♑57'43 |            | minimum elong       | -7316 Nov 01 j 13:21 | 18°♑58'51 | 0°10'12    |
| evening set         | -7318 May 29 j 11:27 | 20°♑57'04 |            | behind sun begin    | -7316 Oct 31 j 15:53 | 17°♑51'52 |            |
| inferior conj       | -7318 Jun 04 j 20:34 | 17°♑17'38 | -3°12'54   | behind sun end      | -7316 Nov 02 j 10:49 | 20°♑05'49 |            |
| minimum elong       | -7318 Jun 04 j 13:40 | 17°♑28'00 | 3°10'51    | desc. node          | -7316 Nov 05 j 21:15 | 24°♑22'45 |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 18

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                  |            |                     |                      |                          |            |
|---------------------|----------------------|----------------------------------|------------|---------------------|----------------------|--------------------------|------------|
| max. Earth dist.    | -7316 Nov 07 j 13:25 | 26° $\mathbb{M}$ 27'52           | 1.71811 AU | desc. node          | -7313 Apr 23 j 18:21 | 29° $\mathcal{Z}$ 56'24  |            |
|                     | -7316 Nov 10 j 09:34 | 0° $\mathfrak{L}$                |            |                     | -7313 Apr 23 j 22:43 | 0° $\approx$             |            |
|                     | -7316 Dec 04 j 13:47 | 0° $\mathbb{M}$                  |            | greatest brilliancy | -7313 Apr 25 j 07:26 | 0° $\approx$ 28'55       | -4.7m      |
| evening rise        | -7316 Dec 13 j 03:17 | 10° $\mathbb{M}$ 34'55           |            | morning max el      | -7313 Jun 02 j 20:16 | 28° $\approx$ 59'03      | 46°13'36   |
|                     | -7316 Dec 28 j 21:20 | 0° $\mathfrak{J}$                |            |                     | -7313 Jun 03 j 21:14 | 0° $\mathfrak{H}$        |            |
|                     | -7315 Jan 22 j 08:29 | 0° $\mathcal{Z}$                 |            |                     | -7313 Jul 02 j 03:49 | 0° $\mathcal{Y}$         |            |
|                     | -7315 Feb 16 j 00:50 | 0° $\approx$                     |            |                     | -7313 Jul 27 j 23:26 | 0° $\mathcal{B}$         |            |
| asc. node           | -7315 Feb 26 j 02:14 | 12° $\approx$ 07'23              |            | asc. node           | -7313 Aug 14 j 03:14 | 20° $\mathcal{B}$ 44'39  |            |
|                     | -7315 Mar 13 j 01:08 | 0° $\mathfrak{H}$                |            |                     | -7313 Aug 21 j 16:09 | 0° $\mathbb{I}$          |            |
|                     | -7315 Apr 07 j 13:13 | 0° $\mathcal{Y}$                 |            |                     | -7313 Sep 14 j 19:41 | 0° $\mathcal{G}$         |            |
|                     | -7315 May 03 j 20:02 | 0° $\mathcal{B}$                 |            |                     | -7313 Oct 08 j 18:35 | 0° $\mathcal{Q}$         |            |
|                     | -7315 May 31 j 17:07 | 0° $\mathbb{I}$                  |            |                     | -7313 Nov 01 j 18:23 | 0° $\mathbb{M}$          |            |
| evening max el      | -7315 Jun 08 j 10:59 | 7° $\mathbb{I}$ 44'59            | 46°41'09   |                     | -7313 Nov 25 j 21:42 | 0° $\mathfrak{L}$        |            |
| desc. node          | -7315 Jun 18 j 13:15 | 17° $\mathbb{I}$ 14'48           |            | desc. node          | -7313 Dec 04 j 10:28 | 10° $\mathfrak{L}$ 33'19 |            |
|                     | -7315 Jul 04 j 09:25 | 0° $\mathcal{G}$                 |            | morning set         | -7313 Dec 07 j 11:35 | 14° $\mathfrak{L}$ 19'11 |            |
| greatest brilliancy | -7315 Jul 19 j 13:28 | 7° $\mathcal{G}$ 59'34           | -4.9m      |                     | -7313 Dec 20 j 04:34 | 0° $\mathbb{M}$          |            |
| retrograde          | -7315 Jul 28 j 15:12 | 9° $\mathcal{G}$ 32'06           |            |                     | -7312 Jan 13 j 13:41 | 0° $\mathfrak{J}$        |            |
| evening set         | -7315 Aug 15 j 14:09 | 3° $\mathcal{G}$ 30'24           |            |                     |                      |                          |            |
| inferior conj       | -7315 Aug 18 j 08:22 | 1° $\mathcal{G}$ 51'08           | -8°56'51   | superior conj       | -7312 Jan 16 j 10:49 | 3° $\mathfrak{J}$ 32'28  | -1°16'18   |
| minimum elong       | -7315 Aug 18 j 10:58 | 1° $\mathcal{G}$ 47'11           | 8°56'15    | minimum elong       | -7312 Jan 16 j 04:19 | 3° $\mathfrak{J}$ 12'28  | 1°16'37    |
| min. Earth dist.    | -7315 Aug 18 j 07:20 | 1° $\mathcal{G}$ 52'42           | 0.26620 AU | max. Earth dist.    | -7312 Jan 17 j 11:46 | 4° $\mathfrak{J}$ 49'08  | 1.73431 AU |
| morning rise        | -7315 Aug 21 j 07:44 | 0° $\mathcal{G}$ 04'11           |            |                     | -7312 Feb 06 j 23:48 | 0° $\mathcal{Z}$         |            |
|                     | -7315 Aug 21 j 10:36 | 30° $\mathfrak{K}$ $\mathbb{I}$  |            | evening rise        | -7312 Feb 22 j 12:37 | 19° $\mathcal{Z}$ 03'59  |            |
| direct              | -7315 Sep 07 j 15:31 | 24° $\mathbb{I}$ 16'50           |            | greatest brilliancy | -7312 Feb 28 j 15:35 | 26° $\mathcal{Z}$ 34'31  | -3.9m      |
| greatest brilliancy | -7315 Sep 18 j 01:39 | 26° $\mathbb{I}$ 20'31           | -4.9m      |                     | -7312 Mar 02 j 10:39 | 0° $\approx$             |            |
|                     | -7315 Sep 25 j 14:06 | 0° $\mathcal{G}$                 |            | asc. node           | -7312 Mar 25 j 14:46 | 28° $\approx$ 22'06      |            |
| asc. node           | -7315 Oct 08 j 23:52 | 9° $\mathcal{G}$ 39'19           |            |                     | -7312 Mar 26 j 22:49 | 0° $\mathfrak{H}$        |            |
| morning max el      | -7315 Oct 28 j 06:15 | 27° $\mathcal{G}$ 41'55          | 46°40'05   |                     | -7312 Apr 20 j 13:15 | 0° $\mathcal{Y}$         |            |
|                     | -7315 Oct 30 j 12:06 | 0° $\mathcal{Q}$                 |            |                     | -7312 May 15 j 07:02 | 0° $\mathcal{B}$         |            |
|                     | -7315 Nov 26 j 23:59 | 0° $\mathbb{M}$                  |            |                     | -7312 Jun 09 j 06:10 | 0° $\mathbb{I}$          |            |
|                     | -7315 Dec 23 j 00:50 | 0° $\mathfrak{L}$                |            |                     | -7312 Jul 04 j 15:19 | 0° $\mathcal{G}$         |            |
|                     | -7314 Jan 17 j 13:47 | 0° $\mathbb{M}$                  |            | desc. node          | -7312 Jul 15 j 23:56 | 13° $\mathcal{G}$ 09'04  |            |
| desc. node          | -7314 Jan 29 j 10:13 | 14° $\mathbb{M}$ 01'53           |            |                     | -7312 Jul 30 j 21:57 | 0° $\mathcal{Q}$         |            |
|                     | -7314 Feb 11 j 20:18 | 0° $\mathfrak{J}$                |            | evening max el      | -7312 Aug 20 j 18:39 | 22° $\mathcal{Q}$ 16'22  | 47°44'41   |
|                     | -7314 Mar 08 j 20:50 | 0° $\mathcal{Z}$                 |            |                     | -7312 Aug 28 j 14:35 | 0° $\mathbb{M}$          |            |
|                     | -7314 Apr 02 j 14:56 | 0° $\approx$                     |            | greatest brilliancy | -7312 Sep 30 j 20:24 | 24° $\mathbb{M}$ 10'49   | -4.9m      |
| morning set         | -7314 Apr 27 j 06:04 | 0° $\mathfrak{H}$ 10'43          |            | retrograde          | -7312 Oct 10 j 21:58 | 26° $\mathbb{M}$ 08'06   |            |
|                     | -7314 Apr 27 j 02:35 | 0° $\mathfrak{H}$                |            | evening set         | -7312 Oct 25 j 16:36 | 21° $\mathbb{M}$ 39'31   |            |
|                     | -7314 May 21 j 08:21 | 0° $\mathcal{Y}$                 |            | min. Earth dist.    | -7312 Oct 30 j 22:19 | 18° $\mathbb{M}$ 29'15   | 0.27052 AU |
| asc. node           | -7314 May 21 j 14:47 | 0° $\mathcal{Y}$ 19'57           |            | inferior conj       | -7312 Oct 31 j 15:19 | 18° $\mathbb{M}$ 02'29   | -1°11'37   |
| max. Earth dist.    | -7314 May 28 j 17:34 | 9° $\mathcal{Y}$ 11'25           | 1.72269 AU | minimum elong       | -7312 Oct 31 j 17:53 | 17° $\mathbb{M}$ 58'27   | 1°10'39    |
|                     |                      |                                  |            | asc. node           | -7312 Nov 05 j 10:29 | 15° $\mathbb{M}$ 06'56   |            |
| superior conj       | -7314 Jun 02 j 03:02 | 14° $\mathcal{Y}$ 40'14          | 0°26'30    | morning rise        | -7312 Nov 06 j 20:07 | 14° $\mathbb{M}$ 19'58   |            |
| minimum elong       | -7314 Jun 01 j 21:55 | 14° $\mathcal{Y}$ 24'17          | 0°26'19    | direct              | -7312 Nov 21 j 01:34 | 10° $\mathbb{M}$ 14'04   |            |
|                     | -7314 Jun 14 j 09:23 | 0° $\mathcal{B}$                 |            | greatest brilliancy | -7312 Nov 30 j 07:19 | 11° $\mathbb{M}$ 52'10   | -4.8m      |
|                     | -7314 Jul 08 j 07:26 | 0° $\mathbb{I}$                  |            |                     | -7312 Dec 28 j 01:37 | 0° $\mathfrak{L}$        |            |
| evening rise        | -7314 Jul 08 j 22:31 | 0° $\mathbb{I}$ 47'21            |            | morning max el      | -7311 Jan 09 j 09:50 | 11° $\mathfrak{L}$ 23'59 | 46°07'53   |
|                     | -7314 Aug 01 j 04:45 | 0° $\mathcal{G}$                 |            |                     | -7311 Jan 27 j 16:47 | 0° $\mathbb{M}$          |            |
|                     | -7314 Aug 25 j 03:42 | 0° $\mathcal{Q}$                 |            |                     | -7311 Feb 24 j 03:04 | 0° $\mathfrak{J}$        |            |
| desc. node          | -7314 Sep 10 j 21:23 | 20° $\mathcal{Q}$ 51'12          |            | desc. node          | -7311 Feb 25 j 22:19 | 2° $\mathfrak{J}$ 01'43  |            |
|                     | -7314 Sep 18 j 06:21 | 0° $\mathbb{M}$                  |            |                     | -7311 Mar 22 j 07:54 | 0° $\mathcal{Z}$         |            |
|                     | -7314 Oct 12 j 14:40 | 0° $\mathfrak{L}$                |            |                     | -7311 Apr 16 j 18:38 | 0° $\approx$             |            |
|                     | -7314 Nov 06 j 07:51 | 0° $\mathbb{M}$                  |            |                     | -7311 May 11 j 15:43 | 0° $\mathfrak{H}$        |            |
|                     | -7314 Dec 01 j 17:26 | 0° $\mathfrak{J}$                |            |                     | -7311 Jun 05 j 01:55 | 0° $\mathcal{Y}$         |            |
|                     | -7314 Dec 28 j 15:02 | 0° $\mathcal{Z}$                 |            | asc. node           | -7311 Jun 18 j 03:54 | 16° $\mathcal{Y}$ 15'23  |            |
| asc. node           | -7313 Jan 01 j 05:31 | 3° $\mathcal{Z}$ 47'51           |            |                     | -7311 Jun 29 j 03:41 | 0° $\mathcal{B}$         |            |
| evening max el      | -7313 Jan 12 j 14:44 | 15° $\mathcal{Z}$ 16'53          | 45°13'57   | morning set         | -7311 Jul 04 j 16:42 | 6° $\mathcal{B}$ 57'21   |            |
|                     | -7313 Jan 29 j 02:46 | 0° $\approx$                     |            |                     | -7311 Jul 22 j 23:47 | 0° $\mathbb{I}$          |            |
| greatest brilliancy | -7313 Feb 19 j 06:26 | 12° $\approx$ 53'58              | -4.7m      |                     |                      |                          |            |
| retrograde          | -7313 Mar 01 j 23:16 | 14° $\approx$ 57'10              |            | superior conj       | -7311 Aug 12 j 12:38 | 25° $\mathbb{I}$ 57'19   | 1°23'24    |
| evening set         | -7313 Mar 18 j 15:45 | 9° $\approx$ 40'20               |            | minimum elong       | -7311 Aug 12 j 12:25 | 25° $\mathbb{I}$ 56'39   | 1°23'53    |
| inferior conj       | -7313 Mar 23 j 09:39 | 6° $\approx$ 47'04               | 6°13'52    | max. Earth dist.    | -7311 Aug 13 j 03:04 | 26° $\mathbb{I}$ 42'57   | 1.70788 AU |
| minimum elong       | -7313 Mar 23 j 18:21 | 6° $\approx$ 33'27               | 6°11'54    |                     | -7311 Aug 15 j 17:25 | 0° $\mathcal{G}$         |            |
| min. Earth dist.    | -7313 Mar 24 j 08:37 | 6° $\approx$ 11'11               | 0.29271 AU |                     | -7311 Sep 08 j 11:41 | 0° $\mathcal{Q}$         |            |
| morning rise        | -7313 Mar 28 j 20:34 | 3° $\approx$ 28'05               |            | evening rise        | -7311 Sep 23 j 06:27 | 18° $\mathcal{Q}$ 35'17  |            |
|                     | -7313 Apr 05 j 03:07 | 30° $\mathfrak{K}$ $\mathcal{Z}$ |            |                     | -7311 Oct 02 j 08:55 | 0° $\mathbb{M}$          |            |
| direct              | -7313 Apr 14 j 07:54 | 28° $\mathcal{Z}$ 19'41          |            | desc. node          | -7311 Oct 08 j 10:14 | 7° $\mathbb{M}$ 34'19    |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|--|---------------------|----------------------|-----------|------------|--|
|                     | -7311 Oct 26 j 10:19 | 0°♊       |            |  |                     | -7308 May 25 j 00:51 | 0°♋       |            |  |
|                     | -7311 Nov 19 j 16:24 | 0°♌       |            |  |                     | -7308 Jun 19 j 02:55 | 0°♍       |            |  |
|                     | -7311 Dec 14 j 04:31 | 0°♎       |            |  |                     | -7308 Jul 13 j 12:45 | 0°♏       |            |  |
|                     | -7310 Jan 08 j 02:17 | 0°♐       |            |  | asc. node           | -7308 Jul 15 j 16:54 | 2°♏42'03  |            |  |
| asc. node           | -7310 Jan 28 j 16:36 | 24°♐12'21 |            |  |                     | -7308 Aug 06 j 12:14 | 0°♑       |            |  |
|                     | -7310 Feb 02 j 17:14 | 0°♒       |            |  |                     | -7308 Aug 30 j 06:32 | 0°♑       |            |  |
|                     | -7310 Mar 01 j 16:36 | 0°♋       |            |  | morning set         | -7308 Sep 17 j 14:23 | 23°♑10'05 |            |  |
| evening max el      | -7310 Mar 24 j 22:41 | 23°♋34'59 | 45°10'53   |  |                     | -7308 Sep 23 j 00:14 | 0°♒       |            |  |
|                     | -7310 Mar 31 j 22:23 | 0°♍       |            |  |                     | -7308 Oct 16 j 20:34 | 0°♓       |            |  |
| greatest brilliancy | -7310 May 02 j 05:01 | 20°♍53'12 | -4.7m      |  |                     |                      |           |            |  |
| retrograde          | -7310 May 12 j 07:59 | 22°♍42'00 |            |  | superior conj       | -7308 Oct 29 j 19:29 | 16°♓12'49 | 0°14'05    |  |
| desc. node          | -7310 May 21 j 04:53 | 21°♍11'30 |            |  | minimum elong       | -7308 Oct 29 j 23:21 | 16°♓24'53 | 0°14'04    |  |
| evening set         | -7310 May 27 j 00:15 | 18°♍40'27 |            |  | behind sun begin    | -7308 Oct 29 j 09:22 | 15°♓41'10 |            |  |
| inferior conj       | -7310 Jun 02 j 10:24 | 14°♍59'44 | -2°52'10   |  | behind sun end      | -7308 Oct 30 j 13:21 | 17°♓08'35 |            |  |
| minimum elong       | -7310 Jun 02 j 04:10 | 15°♍09'06 | 2°50'19    |  | desc. node          | -7308 Nov 04 j 23:17 | 23°♓53'48 |            |  |
| min. Earth dist.    | -7310 Jun 02 j 22:47 | 14°♍41'04 | 0.27587 AU |  | max. Earth dist.    | -7308 Nov 04 j 20:34 | 23°♓45'21 | 1.71749 AU |  |
| morning rise        | -7310 Jun 08 j 07:15 | 11°♍34'33 |            |  |                     | -7308 Nov 09 j 20:53 | 0°♊       |            |  |
| direct              | -7310 Jun 23 j 16:41 | 7°♍05'12  |            |  |                     | -7308 Dec 04 j 01:05 | 0°♌       |            |  |
| greatest brilliancy | -7310 Jul 04 j 23:21 | 9°♍23'39  | -4.8m      |  | evening rise        | -7308 Dec 10 j 15:47 | 8°♌10'27  |            |  |
|                     | -7310 Aug 03 j 04:47 | 0°♎       |            |  |                     | -7308 Dec 28 j 08:39 | 0°♎       |            |  |
| morning max el      | -7310 Aug 13 j 01:35 | 9°♎34'43  | 46°43'46   |  |                     | -7307 Jan 21 j 19:55 | 0°♐       |            |  |
|                     | -7310 Sep 01 j 03:49 | 0°♑       |            |  |                     | -7307 Feb 15 j 12:37 | 0°♒       |            |  |
| asc. node           | -7310 Sep 10 j 15:06 | 10°♑45'15 |            |  | asc. node           | -7307 Feb 25 j 04:32 | 11°♒38'19 |            |  |
|                     | -7310 Sep 27 j 00:59 | 0°♓       |            |  |                     | -7307 Mar 12 j 13:35 | 0°♋       |            |  |
|                     | -7310 Oct 21 j 21:37 | 0°♒       |            |  |                     | -7307 Apr 07 j 02:54 | 0°♍       |            |  |
|                     | -7310 Nov 15 j 10:48 | 0°♓       |            |  |                     | -7307 May 03 j 12:06 | 0°♏       |            |  |
|                     | -7310 Dec 09 j 23:47 | 0°♊       |            |  |                     | -7307 May 31 j 14:53 | 0°♑       |            |  |
| desc. node          | -7310 Dec 31 j 23:38 | 26°♊48'58 |            |  | evening max el      | -7307 Jun 05 j 23:53 | 5°♑20'09  | 46°37'44   |  |
|                     | -7309 Jan 03 j 14:21 | 0°♌       |            |  | desc. node          | -7307 Jun 17 j 15:26 | 16°♑11'44 |            |  |
|                     | -7309 Jan 28 j 05:30 | 0°♎       |            |  |                     | -7307 Jul 05 j 16:22 | 0°♓       |            |  |
| morning set         | -7309 Feb 17 j 07:52 | 24°♎31'19 |            |  | greatest brilliancy | -7307 Jul 17 j 00:20 | 5°♓28'34  | -4.9m      |  |
|                     | -7309 Feb 21 j 19:28 | 0°♐       |            |  | retrograde          | -7307 Jul 26 j 03:25 | 7°♓02'10  |            |  |
|                     | -7309 Mar 18 j 07:09 | 0°♒       |            |  | evening set         | -7307 Aug 13 j 02:05 | 1°♓00'25  |            |  |
| max. Earth dist.    | -7309 Mar 22 j 12:14 | 5°♒10'21  | 1.73658 AU |  |                     | -7307 Aug 14 j 18:42 | 30°♒♑     |            |  |
|                     |                      |           |            |  | inferior conj       | -7307 Aug 15 j 20:22 | 29°♑21'21 | -8°58'44   |  |
| superior conj       | -7309 Mar 25 j 07:35 | 8°♒37'17  | -0°59'44   |  | minimum elong       | -7307 Aug 15 j 22:01 | 29°♑18'52 | 8°58'13    |  |
| minimum elong       | -7309 Mar 25 j 15:37 | 9°♒01'59  | 0°59'53    |  | min. Earth dist.    | -7307 Aug 15 j 19:08 | 29°♑23'12 | 0.26636 AU |  |
|                     | -7309 Apr 11 j 16:20 | 0°♋       |            |  | morning rise        | -7307 Aug 18 j 17:54 | 27°♑37'27 |            |  |
| asc. node           | -7309 Apr 23 j 03:43 | 14°♋09'27 |            |  | direct              | -7307 Sep 05 j 04:18 | 21°♑46'48 |            |  |
| evening rise        | -7309 Apr 29 j 18:28 | 22°♋19'38 |            |  | greatest brilliancy | -7307 Sep 15 j 14:35 | 23°♑51'10 | -4.9m      |  |
|                     | -7309 May 05 j 23:24 | 0°♍       |            |  |                     | -7307 Sep 27 j 01:48 | 0°♓       |            |  |
|                     | -7309 May 30 j 05:01 | 0°♏       |            |  | asc. node           | -7307 Oct 08 j 02:03 | 8°♓28'33  |            |  |
|                     | -7309 Jun 23 j 10:21 | 0°♑       |            |  | morning max el      | -7307 Oct 25 j 20:23 | 25°♓16'38 | 46°40'56   |  |
|                     | -7309 Jul 17 j 17:19 | 0°♓       |            |  |                     | -7307 Oct 30 j 10:04 | 0°♒       |            |  |
| desc. node          | -7309 Aug 11 j 04:46 | 0°♒       |            |  |                     | -7307 Nov 26 j 16:21 | 0°♓       |            |  |
|                     | -7309 Aug 13 j 11:26 | 2°♒46'26  |            |  |                     | -7307 Dec 22 j 14:56 | 0°♊       |            |  |
|                     | -7309 Sep 05 j 00:52 | 0°♓       |            |  |                     | -7306 Jan 17 j 02:38 | 0°♌       |            |  |
|                     | -7309 Sep 30 j 13:47 | 0°♊       |            |  | desc. node          | -7306 Jan 28 j 12:23 | 13°♌31'17 |            |  |
|                     | -7309 Oct 27 j 18:35 | 0°♌       |            |  |                     | -7306 Feb 11 j 08:23 | 0°♎       |            |  |
| evening max el      | -7309 Oct 31 j 13:35 | 3°♌54'08  | 46°44'18   |  |                     | -7306 Mar 08 j 08:25 | 0°♐       |            |  |
|                     | -7309 Nov 30 j 21:32 | 0°♎       |            |  |                     | -7306 Apr 02 j 02:12 | 0°♒       |            |  |
| asc. node           | -7309 Dec 03 j 21:02 | 1°♎47'05  |            |  | morning set         | -7306 Apr 25 j 01:10 | 28°♒07'34 |            |  |
| greatest brilliancy | -7309 Dec 09 j 23:12 | 4°♎44'21  | -4.8m      |  |                     | -7306 Apr 26 j 13:41 | 0°♋       |            |  |
| retrograde          | -7309 Dec 21 j 00:37 | 7°♎03'17  |            |  | asc. node           | -7306 May 20 j 16:48 | 29°♋51'48 |            |  |
| evening set         | -7308 Jan 06 j 16:32 | 1°♎33'36  |            |  |                     | -7306 May 20 j 19:26 | 0°♍       |            |  |
|                     | -7308 Jan 09 j 04:50 | 30°♒♌     |            |  | max. Earth dist.    | -7306 May 26 j 11:23 | 7°♍02'47  | 1.72331 AU |  |
| inferior conj       | -7308 Jan 11 j 08:28 | 28°♌37'03 | 7°17'09    |  |                     |                      |           |            |  |
| minimum elong       | -7308 Jan 11 j 01:15 | 28°♌48'42 | 7°15'50    |  | superior conj       | -7306 May 30 j 20:43 | 12°♍30'58 | 0°23'28    |  |
| min. Earth dist.    | -7308 Jan 10 j 18:12 | 29°♌00'04 | 0.29068 AU |  | minimum elong       | -7306 May 30 j 16:10 | 12°♍16'46 | 0°23'19    |  |
| morning rise        | -7308 Jan 15 j 10:17 | 26°♌02'10 |            |  |                     | -7306 Jun 13 j 20:34 | 0°♏       |            |  |
| direct              | -7308 Feb 01 j 18:31 | 20°♌14'26 |            |  | evening rise        | -7306 Jul 06 j 13:44 | 28°♏28'46 |            |  |
| greatest brilliancy | -7308 Feb 10 j 19:21 | 21°♌43'30 | -4.7m      |  |                     | -7306 Jul 07 j 18:48 | 0°♑       |            |  |
|                     | -7308 Feb 26 j 17:41 | 0°♎       |            |  |                     | -7306 Jul 31 j 16:18 | 0°♓       |            |  |
| morning max el      | -7308 Mar 21 j 10:50 | 19°♎47'15 | 45°52'58   |  |                     | -7306 Aug 24 j 15:27 | 0°♒       |            |  |
| desc. node          | -7308 Mar 25 j 09:46 | 23°♎35'26 |            |  | desc. node          | -7306 Sep 09 j 23:38 | 20°♒21'09 |            |  |
|                     | -7308 Mar 31 j 20:37 | 0°♐       |            |  |                     | -7306 Sep 17 j 18:22 | 0°♓       |            |  |
|                     | -7308 Apr 28 j 21:43 | 0°♒       |            |  |                     | -7306 Oct 12 j 03:04 | 0°♊       |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|--|
|                     | -7306 Nov 05 j 20:57 | 0°♌       |            |                     | -7303 May 11 j 03:16 | 0°♐       |            |  |
|                     | -7306 Dec 01 j 07:56 | 0°♏       |            |                     | -7303 Jun 04 j 13:14 | 0°♑       |            |  |
|                     | -7306 Dec 28 j 09:05 | 0°♐       |            | asc. node           | -7303 Jun 17 j 06:06 | 15°♑47'08 |            |  |
| asc. node           | -7306 Dec 31 j 07:41 | 3°♐04'35  |            |                     | -7303 Jun 28 j 14:55 | 0°♒       |            |  |
| evening max el      | -7305 Jan 10 j 07:26 | 13°♐07'29 | 45°15'49   | morning set         | -7303 Jul 02 j 07:43 | 4°♒38'33  |            |  |
|                     | -7305 Jan 29 j 13:13 | 0°♑       |            |                     | -7303 Jul 22 j 11:01 | 0°♓       |            |  |
| greatest brilliancy | -7305 Feb 16 j 22:27 | 10°♑46'16 | -4.7m      |                     |                      |           |            |  |
| retrograde          | -7305 Feb 27 j 16:10 | 12°♑50'01 |            | superior conj       | -7303 Aug 10 j 00:33 | 23°♓27'39 | 1°23'16    |  |
| evening set         | -7305 Mar 16 j 10:53 | 7°♑29'27  |            | minimum elong       | -7303 Aug 09 j 23:22 | 23°♓23'55 | 1°23'45    |  |
| inferior conj       | -7305 Mar 21 j 02:27 | 4°♑38'59  | 6°25'22    | max. Earth dist.    | -7303 Aug 10 j 03:03 | 23°♓35'31 | 1.70809 AU |  |
| minimum elong       | -7305 Mar 21 j 11:01 | 4°♑25'34  | 6°23'29    |                     | -7303 Aug 15 j 04:43 | 0°♐       |            |  |
| min. Earth dist.    | -7305 Mar 22 j 00:23 | 4°♑04'39  | 0.29311 AU |                     | -7303 Sep 07 j 23:04 | 0°♑       |            |  |
| morning rise        | -7305 Mar 26 j 10:51 | 1°♑23'19  |            | evening rise        | -7303 Sep 20 j 14:07 | 15°♑52'43 |            |  |
|                     | -7305 Mar 28 j 23:47 | 30°♑♐     |            |                     | -7303 Oct 01 j 20:25 | 0°♑       |            |  |
| direct              | -7305 Apr 12 j 01:28 | 26°♐11'12 |            | desc. node          | -7303 Oct 07 j 12:14 | 7°♑04'36  |            |  |
| desc. node          | -7305 Apr 22 j 20:24 | 28°♐16'29 |            |                     | -7303 Oct 25 j 21:54 | 0°♑       |            |  |
| greatest brilliancy | -7305 Apr 22 j 22:16 | 28°♐18'12 | -4.7m      |                     | -7303 Nov 19 j 04:07 | 0°♌       |            |  |
|                     | -7305 Apr 26 j 21:55 | 0°♑       |            |                     | -7303 Dec 13 j 16:29 | 0°♏       |            |  |
| morning max el      | -7305 May 31 j 12:43 | 26°♑47'56 | 46°12'20   |                     | -7302 Jan 07 j 14:52 | 0°♐       |            |  |
|                     | -7305 Jun 03 j 18:51 | 0°♐       |            | asc. node           | -7302 Jan 27 j 18:53 | 23°♐39'43 |            |  |
|                     | -7305 Jul 01 j 19:38 | 0°♑       |            |                     | -7302 Feb 02 j 07:10 | 0°♑       |            |  |
|                     | -7305 Jul 27 j 13:11 | 0°♒       |            |                     | -7302 Mar 01 j 09:44 | 0°♐       |            |  |
| asc. node           | -7305 Aug 13 j 05:27 | 20°♒11'38 |            | evening max el      | -7302 Mar 22 j 12:15 | 21°♐17'55 | 45°09'08   |  |
|                     | -7305 Aug 21 j 04:56 | 0°♓       |            |                     | -7302 Apr 01 j 02:34 | 0°♑       |            |  |
|                     | -7305 Sep 14 j 07:55 | 0°♐       |            | greatest brilliancy | -7302 Apr 29 j 18:21 | 18°♑35'27 | -4.7m      |  |
|                     | -7305 Oct 08 j 06:28 | 0°♑       |            | retrograde          | -7302 May 09 j 21:02 | 20°♑24'30 |            |  |
|                     | -7305 Nov 01 j 06:01 | 0°♑       |            | desc. node          | -7302 May 20 j 07:05 | 18°♑20'01 |            |  |
|                     | -7305 Nov 25 j 09:07 | 0°♑       |            | evening set         | -7302 May 24 j 13:15 | 16°♑23'12 |            |  |
| desc. node          | -7305 Dec 03 j 12:32 | 10°♑04'39 |            | inferior conj       | -7302 May 31 j 00:16 | 12°♑41'37 | -2°31'08   |  |
| morning set         | -7305 Dec 04 j 23:32 | 11°♑52'47 |            | minimum elong       | -7302 May 30 j 18:45 | 12°♑49'56 | 2°29'30    |  |
|                     | -7305 Dec 19 j 15:50 | 0°♌       |            | min. Earth dist.    | -7302 May 31 j 14:00 | 12°♑20'55 | 0.27643 AU |  |
|                     | -7304 Jan 13 j 00:50 | 0°♏       |            | morning rise        | -7302 Jun 05 j 23:16 | 9°♑13'19  |            |  |
|                     |                      |           |            | direct              | -7302 Jun 21 j 06:46 | 4°♑45'38  |            |  |
| superior conj       | -7304 Jan 14 j 02:25 | 1°♏18'40  | -1°15'03   | greatest brilliancy | -7302 Jul 02 j 15:33 | 7°♑05'42  | -4.8m      |  |
| minimum elong       | -7304 Jan 13 j 19:21 | 0°♏56'55  | 1°15'20    |                     | -7302 Aug 03 j 07:43 | 0°♒       |            |  |
| max. Earth dist.    | -7304 Jan 15 j 09:40 | 2°♏54'42  | 1.73397 AU | morning max el      | -7302 Aug 10 j 14:49 | 7°♒09'17  | 46°43'09   |  |
|                     | -7304 Feb 06 j 10:53 | 0°♐       |            |                     | -7302 Aug 31 j 21:22 | 0°♓       |            |  |
| evening rise        | -7304 Feb 20 j 06:53 | 16°♐58'43 |            | asc. node           | -7302 Sep 09 j 17:18 | 10°♓04'40 |            |  |
| greatest brilliancy | -7304 Feb 27 j 13:00 | 25°♐52'28 | -3.9m      |                     | -7302 Sep 26 j 15:38 | 0°♐       |            |  |
|                     | -7304 Mar 01 j 21:48 | 0°♑       |            |                     | -7302 Oct 21 j 10:55 | 0°♑       |            |  |
| asc. node           | -7304 Mar 24 j 16:54 | 27°♑53'55 |            |                     | -7302 Nov 14 j 23:20 | 0°♑       |            |  |
|                     | -7304 Mar 26 j 10:11 | 0°♐       |            |                     | -7302 Dec 09 j 11:46 | 0°♑       |            |  |
|                     | -7304 Apr 20 j 01:02 | 0°♑       |            | desc. node          | -7302 Dec 31 j 01:48 | 26°♑20'16 |            |  |
|                     | -7304 May 14 j 19:27 | 0°♒       |            |                     | -7301 Jan 03 j 01:56 | 0°♌       |            |  |
|                     | -7304 Jun 08 j 19:34 | 0°♓       |            |                     | -7301 Jan 27 j 16:44 | 0°♏       |            |  |
|                     | -7304 Jul 04 j 06:20 | 0°♐       |            | morning set         | -7301 Feb 15 j 01:23 | 22°♏24'26 |            |  |
| desc. node          | -7304 Jul 15 j 02:09 | 12°♐29'20 |            |                     | -7301 Feb 21 j 06:28 | 0°♐       |            |  |
|                     | -7304 Jul 30 j 16:06 | 0°♑       |            |                     | -7301 Mar 17 j 18:03 | 0°♑       |            |  |
| evening max el      | -7304 Aug 18 j 10:15 | 19°♑55'16 | 47°44'29   | max. Earth dist.    | -7301 Mar 20 j 09:31 | 3°♑14'53  | 1.73680 AU |  |
|                     | -7304 Aug 28 j 18:07 | 0°♑       |            |                     |                      |           |            |  |
| greatest brilliancy | -7304 Sep 28 j 12:13 | 21°♑46'25 | -4.9m      | superior conj       | -7301 Mar 23 j 03:04 | 6°♑36'14  | -1°01'42   |  |
| retrograde          | -7304 Oct 08 j 12:15 | 23°♑41'46 |            | minimum elong       | -7301 Mar 23 j 11:04 | 7°♑00'50  | 1°01'53    |  |
| evening set         | -7304 Oct 23 j 08:03 | 19°♑12'21 |            |                     | -7301 Apr 11 j 03:16 | 0°♐       |            |  |
| min. Earth dist.    | -7304 Oct 28 j 13:01 | 16°♑02'58 | 0.26994 AU | asc. node           | -7301 Apr 22 j 05:46 | 13°♐41'53 |            |  |
| inferior conj       | -7304 Oct 29 j 05:11 | 15°♑37'31 | -1°34'11   | evening rise        | -7301 Apr 27 j 14:09 | 20°♐18'11 |            |  |
| minimum elong       | -7304 Oct 29 j 08:33 | 15°♑32'13 | 1°32'58    |                     | -7301 May 05 j 10:30 | 0°♑       |            |  |
| morning rise        | -7304 Nov 04 j 09:59 | 11°♑55'05 |            |                     | -7301 May 29 j 16:22 | 0°♒       |            |  |
| asc. node           | -7304 Nov 04 j 12:35 | 11°♑51'35 |            |                     | -7301 Jun 22 j 22:03 | 0°♓       |            |  |
| direct              | -7304 Nov 18 j 15:04 | 7°♑50'30  |            |                     | -7301 Jul 17 j 05:31 | 0°♐       |            |  |
| greatest brilliancy | -7304 Nov 27 j 21:28 | 9°♑29'05  | -4.8m      |                     | -7301 Aug 10 j 17:38 | 0°♑       |            |  |
|                     | -7304 Dec 28 j 07:05 | 0°♑       |            | desc. node          | -7301 Aug 12 j 13:39 | 2°♑13'53  |            |  |
| morning max el      | -7303 Jan 06 j 23:40 | 9°♑04'36  | 46°08'54   |                     | -7301 Sep 04 j 14:45 | 0°♑       |            |  |
|                     | -7303 Jan 27 j 10:39 | 0°♌       |            |                     | -7301 Sep 30 j 05:33 | 0°♑       |            |  |
|                     | -7303 Feb 23 j 17:30 | 0°♏       |            |                     | -7301 Oct 27 j 15:16 | 0°♌       |            |  |
| desc. node          | -7303 Feb 25 j 00:34 | 1°♏27'43  |            | evening max el      | -7301 Oct 29 j 04:37 | 1°♌35'29  | 46°47'43   |  |
|                     | -7303 Mar 21 j 20:45 | 0°♐       |            |                     | -7301 Dec 02 j 08:01 | 0°♏       |            |  |
|                     | -7303 Apr 16 j 06:38 | 0°♑       |            | asc. node           | -7301 Dec 02 j 23:19 | 0°♏20'37  |            |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 21

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
| greatest brilliancy | -7301 Dec 07 j 16:24 | 2°♂32'48  | -4.8m      |                     |  | -7298 May 20 j 06:15 | 0°♂       |            |
| retrograde          | -7301 Dec 18 j 17:56 | 4°♂52'29  |            | max. Earth dist.    |  | -7298 May 24 j 04:18 | 4°♂52'23  | 1.72390 AU |
|                     | -7300 Jan 03 j 08:01 | 30°♂      |            |                     |  |                      |           |            |
| evening set         | -7300 Jan 04 j 06:56 | 29°♂26'16 |            | superior conj       |  | -7298 May 28 j 14:46 | 10°♂23'51 | 0°20'26    |
| min. Earth dist.    | -7300 Jan 08 j 10:06 | 26°♂50'50 | 0.29011 AU | minimum elong       |  | -7298 May 28 j 10:47 | 10°♂11'26 | 0°20'18    |
| inferior conj       | -7300 Jan 09 j 01:22 | 26°♂26'15 | 7°08'34    |                     |  | -7298 Jun 13 j 07:28 | 0°♂       |            |
| minimum elong       | -7300 Jan 08 j 17:47 | 26°♂38'29 | 7°07'08    | evening rise        |  | -7298 Jul 04 j 05:20 | 26°♂12'23 |            |
| morning rise        | -7300 Jan 13 j 04:57 | 23°♂48'53 |            |                     |  | -7298 Jul 07 j 05:52 | 0°♂       |            |
| direct              | -7300 Jan 30 j 10:11 | 18°♂04'18 |            |                     |  | -7298 Jul 31 j 03:36 | 0°♂       |            |
| greatest brilliancy | -7300 Feb 08 j 10:55 | 19°♂33'30 | -4.7m      |                     |  | -7298 Aug 24 j 02:59 | 0°♂       |            |
|                     | -7300 Feb 27 j 10:42 | 0°♂       |            | desc. node          |  | -7298 Sep 09 j 01:37 | 19°♂50'51 |            |
| morning max el      | -7300 Mar 19 j 03:09 | 17°♂38'45 | 45°53'03   |                     |  | -7298 Sep 17 j 06:12 | 0°♂       |            |
| desc. node          | -7300 Mar 24 j 11:47 | 22°♂49'18 |            |                     |  | -7298 Oct 11 j 15:20 | 0°♂       |            |
|                     | -7300 Mar 31 j 15:32 | 0°♂       |            |                     |  | -7298 Nov 05 j 09:55 | 0°♂       |            |
|                     | -7300 Apr 28 j 12:20 | 0°♂       |            |                     |  | -7298 Nov 30 j 22:22 | 0°♂       |            |
|                     | -7300 May 24 j 13:46 | 0°♂       |            |                     |  | -7298 Dec 28 j 03:19 | 0°♂       |            |
|                     | -7300 Jun 18 j 15:00 | 0°♂       |            | asc. node           |  | -7298 Dec 30 j 09:59 | 2°♂21'46  |            |
|                     | -7300 Jul 13 j 00:25 | 0°♂       |            | evening max el      |  | -7297 Jan 07 j 23:29 | 10°♂57'01 | 45°17'49   |
| asc. node           | -7300 Jul 14 j 19:08 | 2°♂12'48  |            |                     |  | -7297 Jan 30 j 02:52 | 0°♂       |            |
|                     | -7300 Aug 05 j 23:41 | 0°♂       |            | greatest brilliancy |  | -7297 Feb 14 j 15:04 | 8°♂39'54  | -4.7m      |
|                     | -7300 Aug 29 j 17:53 | 0°♂       |            | retrograde          |  | -7297 Feb 25 j 08:37 | 10°♂43'31 |            |
| morning set         | -7300 Sep 15 j 00:24 | 20°♂34'24 |            | evening set         |  | -7297 Mar 14 j 05:58 | 5°♂19'23  |            |
|                     | -7300 Sep 22 j 11:32 | 0°♂       |            | inferior conj       |  | -7297 Mar 18 j 19:15 | 2°♂31'40  | 6°36'18    |
|                     | -7300 Oct 16 j 07:48 | 0°♂       |            | minimum elong       |  | -7297 Mar 19 j 03:37 | 2°♂18'33  | 6°34'32    |
|                     |                      |           |            | min. Earth dist.    |  | -7297 Mar 19 j 16:19 | 1°♂58'35  | 0.29347 AU |
| superior conj       | -7300 Oct 27 j 04:07 | 13°♂34'48 | 0°17'58    |                     |  | -7297 Mar 22 j 21:19 | 30°♂      |            |
| minimum elong       | -7300 Oct 27 j 09:01 | 13°♂50'08 | 0°17'56    | morning rise        |  | -7297 Mar 24 j 01:00 | 29°♂19'17 |            |
| max. Earth dist.    | -7300 Nov 02 j 04:34 | 21°♂05'46 | 1.71687 AU | direct              |  | -7297 Apr 09 j 18:38 | 24°♂03'30 |            |
| desc. node          | -7300 Nov 04 j 01:22 | 23°♂25'25 |            | greatest brilliancy |  | -7297 Apr 20 j 13:11 | 26°♂08'14 | -4.7m      |
|                     | -7300 Nov 09 j 08:04 | 0°♂       |            | desc. node          |  | -7297 Apr 21 j 22:37 | 26°♂40'42 |            |
|                     | -7300 Dec 03 j 12:13 | 0°♂       |            |                     |  | -7297 Apr 28 j 16:11 | 0°♂       |            |
| evening rise        | -7300 Dec 08 j 04:05 | 5°♂45'44  |            | morning max el      |  | -7297 May 29 j 04:21 | 24°♂35'43 | 46°11'18   |
|                     | -7300 Dec 27 j 19:50 | 0°♂       |            |                     |  | -7297 Jun 03 j 15:24 | 0°♂       |            |
|                     | -7299 Jan 21 j 07:15 | 0°♂       |            |                     |  | -7297 Jul 01 j 10:53 | 0°♂       |            |
|                     | -7299 Feb 15 j 00:16 | 0°♂       |            |                     |  | -7297 Jul 27 j 02:29 | 0°♂       |            |
| asc. node           | -7299 Feb 24 j 06:40 | 11°♂09'08 |            | asc. node           |  | -7297 Aug 12 j 07:37 | 19°♂39'39 |            |
|                     | -7299 Mar 12 j 01:54 | 0°♂       |            |                     |  | -7297 Aug 20 j 17:19 | 0°♂       |            |
|                     | -7299 Apr 06 j 16:29 | 0°♂       |            |                     |  | -7297 Sep 13 j 19:48 | 0°♂       |            |
|                     | -7299 May 03 j 04:10 | 0°♂       |            |                     |  | -7297 Oct 07 j 18:03 | 0°♂       |            |
|                     | -7299 May 31 j 13:12 | 0°♂       |            |                     |  | -7297 Oct 31 j 17:23 | 0°♂       |            |
| evening max el      | -7299 Jun 03 j 13:24 | 2°♂57'37  | 46°34'08   |                     |  | -7297 Nov 24 j 20:19 | 0°♂       |            |
| desc. node          | -7299 Jun 16 j 17:38 | 15°♂07'41 |            | morning set         |  | -7297 Dec 02 j 10:55 | 9°♂25'13  |            |
|                     | -7299 Jul 07 j 12:50 | 0°♂       |            | desc. node          |  | -7297 Dec 02 j 14:44 | 9°♂37'03  |            |
| greatest brilliancy | -7299 Jul 14 j 10:25 | 2°♂57'11  | -4.9m      |                     |  | -7297 Dec 19 j 02:52 | 0°♂       |            |
| retrograde          | -7299 Jul 23 j 15:37 | 4°♂32'06  |            |                     |  |                      |           |            |
|                     | -7299 Aug 07 j 22:49 | 30°♂      |            | superior conj       |  | -7296 Jan 11 j 17:28 | 29°♂03'55 | -1°13'40   |
| evening set         | -7299 Aug 10 j 13:14 | 28°♂31'17 |            | minimum elong       |  | -7296 Jan 11 j 09:51 | 28°♂40'30 | 1°13'53    |
| inferior conj       | -7299 Aug 13 j 08:08 | 26°♂51'24 | -8°59'33   |                     |  | -7296 Jan 12 j 11:43 | 0°♂       |            |
| minimum elong       | -7299 Aug 13 j 08:48 | 26°♂50'24 | 8°59'04    | max. Earth dist.    |  | -7296 Jan 13 j 06:58 | 0°♂59'11  | 1.73356 AU |
| min. Earth dist.    | -7299 Aug 13 j 06:27 | 26°♂53'55 | 0.26655 AU |                     |  | -7296 Feb 05 j 21:43 | 0°♂       |            |
| morning rise        | -7299 Aug 16 j 04:21 | 25°♂09'40 |            | evening rise        |  | -7296 Feb 18 j 00:48 | 14°♂53'08 |            |
| direct              | -7299 Sep 02 j 17:17 | 19°♂16'50 |            | greatest brilliancy |  | -7296 Feb 26 j 09:21 | 25°♂07'55 | -3.9m      |
| greatest brilliancy | -7299 Sep 13 j 02:56 | 21°♂21'02 | -4.9m      |                     |  | -7296 Mar 01 j 08:42 | 0°♂       |            |
|                     | -7299 Sep 28 j 03:10 | 0°♂       |            | asc. node           |  | -7296 Mar 23 j 18:59 | 27°♂26'18 |            |
| asc. node           | -7299 Oct 07 j 04:10 | 7°♂19'44  |            |                     |  | -7296 Mar 25 j 21:20 | 0°♂       |            |
| morning max el      | -7299 Oct 23 j 10:22 | 22°♂51'11 | 46°41'45   |                     |  | -7296 Apr 19 j 12:36 | 0°♂       |            |
|                     | -7299 Oct 30 j 07:10 | 0°♂       |            |                     |  | -7296 May 14 j 07:41 | 0°♂       |            |
|                     | -7299 Nov 26 j 08:17 | 0°♂       |            |                     |  | -7296 Jun 08 j 08:46 | 0°♂       |            |
|                     | -7299 Dec 22 j 04:41 | 0°♂       |            |                     |  | -7296 Jul 03 j 21:08 | 0°♂       |            |
|                     | -7298 Jan 16 j 15:11 | 0°♂       |            | desc. node          |  | -7296 Jul 14 j 04:23 | 11°♂50'28 |            |
| desc. node          | -7298 Jan 27 j 14:32 | 13°♂01'28 |            |                     |  | -7296 Jul 30 j 10:12 | 0°♂       |            |
|                     | -7298 Feb 10 j 20:11 | 0°♂       |            | evening max el      |  | -7296 Aug 16 j 00:43 | 17°♂32'33 | 47°44'07   |
|                     | -7298 Mar 07 j 19:45 | 0°♂       |            |                     |  | -7296 Aug 28 j 22:48 | 0°♂       |            |
|                     | -7298 Apr 01 j 13:13 | 0°♂       |            | greatest brilliancy |  | -7296 Sep 26 j 04:17 | 19°♂23'21 | -4.9m      |
| morning set         | -7298 Apr 22 j 20:30 | 26°♂05'57 |            | retrograde          |  | -7296 Oct 06 j 01:55 | 21°♂16'25 |            |
|                     | -7298 Apr 26 j 00:33 | 0°♂       |            | evening set         |  | -7296 Oct 20 j 23:37 | 16°♂45'47 |            |
| asc. node           | -7298 May 19 j 19:03 | 29°♂25'11 |            | min. Earth dist.    |  | -7296 Oct 26 j 04:01 | 13°♂37'16 | 0.26945 AU |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 22

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                        |            |                     |                      |                               |            |
|---------------------|----------------------|------------------------|------------|---------------------|----------------------|-------------------------------|------------|
| inferior conj       | -7296 Oct 26 j 19:05 | 13° $\mathbb{M}$ 13'32 | -1°56'39   | evening rise        | -7293 Apr 25 j 09:42 | 18° $\mathbb{H}$ 16'47        |            |
| minimum elong       | -7296 Oct 26 j 23:13 | 13° $\mathbb{M}$ 07'01 | 1°55'11    |                     | -7293 May 04 j 21:27 | 0° $\mathbb{Y}$               |            |
| morning rise        | -7296 Nov 01 j 23:40 | 9° $\mathbb{M}$ 31'16  |            |                     | -7293 May 29 j 03:36 | 0° $\mathbb{B}$               |            |
| asc. node           | -7296 Nov 03 j 14:55 | 8° $\mathbb{M}$ 40'27  |            |                     | -7293 Jun 22 j 09:41 | 0° $\mathbb{I}$               |            |
| direct              | -7296 Nov 16 j 04:12 | 5° $\mathbb{M}$ 27'36  |            |                     | -7293 Jul 16 j 17:40 | 0° $\mathbb{D}$               |            |
| greatest brilliancy | -7296 Nov 25 j 12:18 | 7° $\mathbb{M}$ 07'20  | -4.8m      |                     | -7293 Aug 10 j 06:28 | 0° $\mathbb{Q}$               |            |
|                     | -7296 Dec 28 j 10:28 | 0° $\mathbb{L}$        |            | desc. node          | -7293 Aug 11 j 15:42 | 1° $\mathbb{Q}$ 40'56         |            |
| morning max el      | -7295 Jan 04 j 12:57 | 6° $\mathbb{L}$ 44'08  | 46°09'53   |                     | -7293 Sep 04 j 04:36 | 0° $\mathbb{M}$               |            |
|                     | -7295 Jan 27 j 03:55 | 0° $\mathbb{M}$        |            |                     | -7293 Sep 29 j 21:21 | 0° $\mathbb{L}$               |            |
|                     | -7295 Feb 23 j 07:34 | 0° $\mathbb{J}$        |            | evening max el      | -7293 Oct 26 j 20:37 | 29° $\mathbb{L}$ 20'01        | 46°51'15   |
| desc. node          | -7295 Feb 24 j 02:37 | 0° $\mathbb{J}$ 53'56  |            |                     | -7293 Oct 27 j 12:21 | 0° $\mathbb{M}$               |            |
|                     | -7295 Mar 21 j 09:17 | 0° $\mathbb{Z}$        |            | asc. node           | -7293 Dec 02 j 01:33 | 28° $\mathbb{M}$ 52'14        |            |
|                     | -7295 Apr 15 j 18:22 | 0° $\mathbb{A}$        |            |                     | -7293 Dec 04 j 12:13 | 0° $\mathbb{J}$               |            |
|                     | -7295 May 10 j 14:34 | 0° $\mathbb{H}$        |            | greatest brilliancy | -7293 Dec 05 j 09:16 | 0° $\mathbb{J}$ 21'49         | -4.8m      |
|                     | -7295 Jun 04 j 00:19 | 0° $\mathbb{Y}$        |            | retrograde          | -7293 Dec 16 j 11:47 | 2° $\mathbb{J}$ 42'39         |            |
| asc. node           | -7295 Jun 16 j 08:15 | 15° $\mathbb{Y}$ 19'32 |            |                     | -7293 Dec 27 j 21:55 | 30° $\mathbb{R}$ $\mathbb{M}$ |            |
|                     | -7295 Jun 28 j 01:55 | 0° $\mathbb{B}$        |            | evening set         | -7292 Jan 01 j 21:32 | 27° $\mathbb{M}$ 19'51        |            |
| morning set         | -7295 Jun 29 j 22:58 | 2° $\mathbb{B}$ 21'16  |            | min. Earth dist.    | -7292 Jan 06 j 01:50 | 24° $\mathbb{M}$ 42'57        | 0.28954 AU |
|                     | -7295 Jul 21 j 22:01 | 0° $\mathbb{I}$        |            | inferior conj       | -7292 Jan 06 j 18:26 | 24° $\mathbb{M}$ 16'17        | 6°59'28    |
|                     |                      |                        |            | minimum elong       | -7292 Jan 06 j 10:30 | 24° $\mathbb{M}$ 29'01        | 6°57'55    |
| superior conj       | -7295 Aug 07 j 12:56 | 21° $\mathbb{I}$ 00'16 | 1°22'58    | morning rise        | -7292 Jan 10 j 23:53 | 21° $\mathbb{M}$ 36'25        |            |
| minimum elong       | -7295 Aug 07 j 10:50 | 20° $\mathbb{I}$ 53'37 | 1°23'27    | direct              | -7292 Jan 28 j 02:34 | 15° $\mathbb{M}$ 55'10        |            |
| max. Earth dist.    | -7295 Aug 07 j 06:15 | 20° $\mathbb{I}$ 39'09 | 1.70829 AU | greatest brilliancy | -7292 Feb 06 j 02:09 | 17° $\mathbb{M}$ 23'58        | -4.7m      |
|                     | -7295 Aug 14 j 15:44 | 0° $\mathbb{D}$        |            |                     | -7292 Feb 27 j 23:09 | 0° $\mathbb{J}$               |            |
|                     | -7295 Sep 07 j 10:10 | 0° $\mathbb{Q}$        |            | morning max el      | -7292 Mar 16 j 20:12 | 15° $\mathbb{J}$ 32'25        | 45°52'56   |
| evening rise        | -7295 Sep 17 j 22:20 | 13° $\mathbb{Q}$ 12'56 |            | desc. node          | -7292 Mar 23 j 13:59 | 22° $\mathbb{J}$ 04'37        |            |
|                     | -7295 Oct 01 j 07:35 | 0° $\mathbb{M}$        |            |                     | -7292 Mar 31 j 09:54 | 0° $\mathbb{Z}$               |            |
| desc. node          | -7295 Oct 06 j 14:24 | 6° $\mathbb{M}$ 36'25  |            |                     | -7292 Apr 28 j 02:46 | 0° $\mathbb{A}$               |            |
|                     | -7295 Oct 25 j 09:11 | 0° $\mathbb{L}$        |            |                     | -7292 May 24 j 02:34 | 0° $\mathbb{H}$               |            |
|                     | -7295 Nov 18 j 15:33 | 0° $\mathbb{M}$        |            |                     | -7292 Jun 18 j 03:00 | 0° $\mathbb{Y}$               |            |
|                     | -7295 Dec 13 j 04:15 | 0° $\mathbb{J}$        |            |                     | -7292 Jul 12 j 12:00 | 0° $\mathbb{B}$               |            |
|                     | -7294 Jan 07 j 03:19 | 0° $\mathbb{Z}$        |            | asc. node           | -7292 Jul 13 j 21:14 | 1° $\mathbb{B}$ 43'19         |            |
| asc. node           | -7294 Jan 26 j 21:02 | 23° $\mathbb{Z}$ 07'01 |            |                     | -7292 Aug 05 j 11:04 | 0° $\mathbb{I}$               |            |
|                     | -7294 Feb 01 j 21:03 | 0° $\mathbb{A}$        |            |                     | -7292 Aug 29 j 05:13 | 0° $\mathbb{D}$               |            |
|                     | -7294 Mar 01 j 03:03 | 0° $\mathbb{H}$        |            | morning set         | -7292 Sep 12 j 10:30 | 17° $\mathbb{D}$ 59'00        |            |
| evening max el      | -7294 Mar 20 j 01:55 | 19° $\mathbb{H}$ 01'48 | 45°07'38   |                     | -7292 Sep 21 j 22:49 | 0° $\mathbb{Q}$               |            |
|                     | -7294 Apr 01 j 08:25 | 0° $\mathbb{Y}$        |            |                     | -7292 Oct 15 j 19:02 | 0° $\mathbb{M}$               |            |
| greatest brilliancy | -7294 Apr 27 j 07:07 | 16° $\mathbb{Y}$ 17'53 | -4.7m      |                     |                      |                               |            |
| retrograde          | -7294 May 07 j 10:39 | 18° $\mathbb{Y}$ 07'55 |            | superior conj       | -7292 Oct 24 j 12:46 | 10° $\mathbb{M}$ 56'45        | 0°21'50    |
| desc. node          | -7294 May 19 j 09:21 | 15° $\mathbb{Y}$ 24'35 |            | minimum elong       | -7292 Oct 24 j 18:41 | 11° $\mathbb{M}$ 15'15        | 0°21'46    |
| evening set         | -7294 May 22 j 02:29 | 14° $\mathbb{Y}$ 06'23 |            | max. Earth dist.    | -7292 Oct 30 j 14:32 | 18° $\mathbb{M}$ 32'10        | 1.71622 AU |
| inferior conj       | -7294 May 28 j 14:07 | 10° $\mathbb{Y}$ 24'05 | -2°10'02   | desc. node          | -7292 Nov 03 j 03:35 | 22° $\mathbb{M}$ 57'30        |            |
| minimum elong       | -7294 May 28 j 09:19 | 10° $\mathbb{Y}$ 31'18 | 2°08'36    |                     | -7292 Nov 08 j 19:13 | 0° $\mathbb{L}$               |            |
| min. Earth dist.    | -7294 May 29 j 04:55 | 10° $\mathbb{Y}$ 01'49 | 0.27701 AU |                     | -7292 Dec 02 j 23:20 | 0° $\mathbb{M}$               |            |
| morning rise        | -7294 Jun 03 j 15:10 | 6° $\mathbb{Y}$ 53'05  |            | evening rise        | -7292 Dec 05 j 16:29 | 3° $\mathbb{M}$ 21'28         |            |
| direct              | -7294 Jun 18 j 21:12 | 2° $\mathbb{Y}$ 26'35  |            |                     | -7292 Dec 27 j 06:57 | 0° $\mathbb{J}$               |            |
| greatest brilliancy | -7294 Jun 30 j 07:30 | 4° $\mathbb{Y}$ 48'11  | -4.8m      |                     | -7291 Jan 20 j 18:31 | 0° $\mathbb{Z}$               |            |
|                     | -7294 Aug 03 j 09:02 | 0° $\mathbb{B}$        |            |                     | -7291 Feb 14 j 11:54 | 0° $\mathbb{A}$               |            |
| morning max el      | -7294 Aug 08 j 05:11 | 4° $\mathbb{B}$ 47'20  | 46°42'39   | asc. node           | -7291 Feb 23 j 08:48 | 10° $\mathbb{A}$ 39'55        |            |
|                     | -7294 Aug 31 j 14:22 | 0° $\mathbb{I}$        |            |                     | -7291 Mar 11 j 14:16 | 0° $\mathbb{H}$               |            |
| asc. node           | -7294 Sep 08 j 19:22 | 9° $\mathbb{I}$ 24'41  |            |                     | -7291 Apr 06 j 06:13 | 0° $\mathbb{Y}$               |            |
|                     | -7294 Sep 26 j 05:55 | 0° $\mathbb{D}$        |            |                     | -7291 May 02 j 20:36 | 0° $\mathbb{B}$               |            |
|                     | -7294 Oct 20 j 23:53 | 0° $\mathbb{Q}$        |            |                     | -7291 May 31 j 12:32 | 0° $\mathbb{I}$               |            |
|                     | -7294 Nov 14 j 11:33 | 0° $\mathbb{M}$        |            | evening max el      | -7291 Jun 01 j 03:22 | 0° $\mathbb{I}$ 36'09         | 46°30'31   |
|                     | -7294 Dec 08 j 23:28 | 0° $\mathbb{L}$        |            | desc. node          | -7291 Jun 15 j 19:49 | 14° $\mathbb{I}$ 01'46        |            |
| desc. node          | -7294 Dec 30 j 03:53 | 25° $\mathbb{L}$ 52'03 |            |                     | -7291 Jul 10 j 14:30 | 0° $\mathbb{D}$               |            |
|                     | -7293 Jan 02 j 13:14 | 0° $\mathbb{M}$        |            | greatest brilliancy | -7291 Jul 11 j 20:49 | 0° $\mathbb{D}$ 26'26         | -4.9m      |
|                     | -7293 Jan 27 j 03:46 | 0° $\mathbb{J}$        |            | retrograde          | -7291 Jul 21 j 03:45 | 2° $\mathbb{D}$ 02'04         |            |
| morning set         | -7293 Feb 12 j 18:39 | 20° $\mathbb{J}$ 17'14 |            |                     | -7291 Jul 31 j 05:34 | 30° $\mathbb{R}$ $\mathbb{I}$ |            |
|                     | -7293 Feb 20 j 17:19 | 0° $\mathbb{Z}$        |            | evening set         | -7291 Aug 07 j 23:59 | 26° $\mathbb{I}$ 03'21        |            |
|                     | -7293 Mar 17 j 04:49 | 0° $\mathbb{A}$        |            | inferior conj       | -7291 Aug 10 j 20:01 | 24° $\mathbb{I}$ 21'42        | -8°59'23   |
| max. Earth dist.    | -7293 Mar 18 j 07:40 | 1° $\mathbb{A}$ 22'28  | 1.73702 AU | minimum elong       | -7291 Aug 10 j 19:42 | 24° $\mathbb{I}$ 22'11        | 8°58'54    |
|                     |                      |                        |            | min. Earth dist.    | -7291 Aug 10 j 17:59 | 24° $\mathbb{I}$ 24'47        | 0.26673 AU |
| superior conj       | -7293 Mar 20 j 22:20 | 4° $\mathbb{A}$ 34'54  | -1°03'37   | morning rise        | -7291 Aug 13 j 15:24 | 22° $\mathbb{I}$ 41'12        |            |
| minimum elong       | -7293 Mar 21 j 06:16 | 4° $\mathbb{A}$ 59'17  | 1°03'49    | direct              | -7291 Aug 31 j 06:19 | 16° $\mathbb{I}$ 47'15        |            |
|                     | -7293 Apr 10 j 14:05 | 0° $\mathbb{H}$        |            | greatest brilliancy | -7291 Sep 10 j 15:18 | 18° $\mathbb{I}$ 50'49        | -4.9m      |
| asc. node           | -7293 Apr 21 j 08:00 | 13° $\mathbb{H}$ 15'20 |            |                     | -7291 Sep 28 j 21:58 | 0° $\mathbb{D}$               |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                      |           |            |
|---------------------|----------------------|-----------|------------|----------------------|-----------|------------|
| asc. node           | -7291 Oct 06 j 06:33 | 6°♄13'06  |            | -7288 Mar 25 j 08:41 | 0°♈       |            |
| morning max el      | -7291 Oct 20 j 23:40 | 20°♄23'34 | 46°42'27   | -7288 Apr 19 j 00:23 | 0°♈       |            |
|                     | -7291 Oct 30 j 03:40 | 0°♌       |            | -7288 May 13 j 20:10 | 0°♉       |            |
|                     | -7291 Nov 26 j 00:05 | 0°♍       |            | -7288 Jun 07 j 22:20 | 0°♊       |            |
|                     | -7291 Dec 21 j 18:24 | 0°♎       |            | -7288 Jul 03 j 12:29 | 0°♋       |            |
|                     | -7290 Jan 16 j 03:44 | 0°♏       |            | -7288 Jul 13 j 06:27 | 11°♄09'37 |            |
| desc. node          | -7290 Jan 26 j 16:35 | 12°♌31'18 |            | -7288 Jul 30 j 05:13 | 0°♌       |            |
|                     | -7290 Feb 10 j 08:00 | 0°♐       |            | -7288 Aug 13 j 14:09 | 15°♌05'52 | 47°43'33   |
|                     | -7290 Mar 07 j 07:06 | 0°♑       |            | -7288 Aug 29 j 06:11 | 0°♍       |            |
|                     | -7290 Apr 01 j 00:18 | 0°♒       |            | -7288 Sep 23 j 20:20 | 16°♍58'27 | -4.9m      |
| morning set         | -7290 Apr 20 j 16:01 | 24°♒04'39 |            | -7288 Oct 03 j 15:15 | 18°♍49'22 |            |
|                     | -7290 Apr 25 j 11:30 | 0°♈       |            | -7288 Oct 18 j 15:08 | 14°♍16'56 |            |
| asc. node           | -7290 May 18 j 21:13 | 28°♈57'51 |            | -7288 Oct 24 j 08:48 | 10°♍47'47 | -2°19'07   |
|                     | -7290 May 19 j 17:13 | 0°♈       |            | -7288 Oct 24 j 13:42 | 10°♍40'04 | 2°17'25    |
| max. Earth dist.    | -7290 May 21 j 20:19 | 2°♈38'46  | 1.72454 AU | -7288 Oct 23 j 18:57 | 11°♍09'33 | 0.26898 AU |
|                     |                      |           |            | -7288 Oct 30 j 12:58 | 7°♍06'05  |            |
| superior conj       | -7290 May 26 j 09:00 | 8°♈16'52  | 0°17'25    | -7288 Nov 02 j 17:08 | 5°♍31'51  |            |
| minimum elong       | -7290 May 26 j 05:36 | 8°♈06'17  | 0°17'16    | -7288 Nov 13 j 16:48 | 3°♍02'40  |            |
|                     | -7290 Jun 12 j 18:33 | 0°♉       |            | -7288 Nov 23 j 03:12 | 4°♍44'09  | -4.8m      |
| evening rise        | -7290 Jul 01 j 21:02 | 23°♉55'55 |            | -7288 Dec 28 j 12:49 | 0°♎       |            |
|                     | -7290 Jul 06 j 17:07 | 0°♊       |            | -7287 Jan 02 j 02:21 | 4°♎22'36  | 46°11'01   |
|                     | -7290 Jul 30 j 15:03 | 0°♋       |            | -7287 Jan 26 j 21:13 | 0°♌       |            |
|                     | -7290 Aug 23 j 14:42 | 0°♌       |            | -7287 Feb 22 j 21:48 | 0°♐       |            |
| desc. node          | -7290 Sep 08 j 03:49 | 19°♌20'38 |            | -7287 Feb 23 j 04:47 | 0°♐19'48  |            |
|                     | -7290 Sep 16 j 18:15 | 0°♍       |            | -7287 Mar 20 j 22:03 | 0°♑       |            |
|                     | -7290 Oct 11 j 03:50 | 0°♎       |            | -7287 Apr 15 j 06:19 | 0°♒       |            |
|                     | -7290 Nov 04 j 23:11 | 0°♏       |            | -7287 May 10 j 02:04 | 0°♈       |            |
|                     | -7290 Nov 30 j 13:10 | 0°♐       |            | -7287 Jun 03 j 11:37 | 0°♈       |            |
|                     | -7290 Dec 27 j 22:10 | 0°♑       |            | -7287 Jun 15 j 10:21 | 14°♈51'05 |            |
| asc. node           | -7290 Dec 29 j 12:11 | 1°♑37'42  |            | -7287 Jun 27 j 14:37 | 0°♉04'36  |            |
| evening max el      | -7289 Jan 05 j 14:55 | 8°♑44'31  | 45°20'00   | -7287 Jun 27 j 13:09 | 0°♉       |            |
|                     | -7289 Jan 30 j 21:17 | 0°♒       |            | -7287 Jul 21 j 09:17 | 0°♊       |            |
| greatest brilliancy | -7289 Feb 12 j 08:20 | 6°♒34'22  | -4.7m      | -7287 Aug 04 j 12:42 | 17°♊51'58 | 1.70861 AU |
| retrograde          | -7289 Feb 23 j 01:07 | 8°♒37'42  |            |                      |           |            |
| evening set         | -7289 Mar 12 j 01:16 | 3°♒10'01  |            | -7287 Aug 05 j 01:23 | 18°♊32'02 | 1°22'31    |
| inferior conj       | -7289 Mar 16 j 12:25 | 0°♒25'07  | 6°46'35    | -7287 Aug 04 j 22:24 | 18°♊22'38 | 1°22'59    |
| minimum elong       | -7289 Mar 16 j 20:30 | 0°♒12'22  | 6°44'55    | -7287 Aug 14 j 03:06 | 0°♋       |            |
|                     | -7289 Mar 17 j 04:21 | 30°♈♑     |            | -7287 Sep 06 j 21:39 | 0°♌       |            |
| min. Earth dist.    | -7289 Mar 17 j 08:48 | 29°♑52'59 | 0.29379 AU | -7287 Sep 15 j 06:17 | 10°♌30'59 |            |
| morning rise        | -7289 Mar 21 j 15:28 | 27°♑16'02 |            | -7287 Sep 30 j 19:11 | 0°♍       |            |
| direct              | -7289 Apr 07 j 11:37 | 21°♑56'28 |            | -7287 Oct 05 j 16:35 | 6°♍07'00  |            |
| greatest brilliancy | -7289 Apr 18 j 04:48 | 23°♑59'27 | -4.7m      | -7287 Oct 24 j 20:52 | 0°♎       |            |
| desc. node          | -7289 Apr 21 j 00:53 | 25°♑08'31 |            | -7287 Nov 18 j 03:24 | 0°♏       |            |
|                     | -7289 Apr 29 j 21:14 | 0°♒       |            | -7287 Dec 12 j 16:26 | 0°♐       |            |
| morning max el      | -7289 May 26 j 19:32 | 22°♒22'06 | 46°10'06   | -7286 Jan 06 j 16:12 | 0°♑       |            |
|                     | -7289 Jun 03 j 11:29 | 0°♈       |            | -7286 Jan 25 j 23:12 | 22°♑33'09 |            |
|                     | -7289 Jul 01 j 02:11 | 0°♈       |            | -7286 Feb 01 j 11:27 | 0°♒       |            |
|                     | -7289 Jul 26 j 15:59 | 0°♉       |            | -7286 Feb 28 j 21:06 | 0°♈       |            |
| asc. node           | -7289 Aug 11 j 09:45 | 19°♉06'45 |            | -7286 Mar 17 j 16:38 | 16°♈47'36 | 45°06'25   |
|                     | -7289 Aug 20 j 05:56 | 0°♊       |            | -7286 Apr 01 j 16:53 | 0°♈       |            |
|                     | -7289 Sep 13 j 07:56 | 0°♋       |            | -7286 Apr 24 j 19:51 | 14°♈00'27 | -4.7m      |
|                     | -7289 Oct 07 j 05:52 | 0°♌       |            | -7286 May 05 j 01:08 | 15°♈51'44 |            |
|                     | -7289 Oct 31 j 04:59 | 0°♍       |            | -7286 May 18 j 11:27 | 12°♈26'05 |            |
|                     | -7289 Nov 24 j 07:46 | 0°♎       |            | -7286 May 19 j 16:17 | 11°♈49'53 |            |
| morning set         | -7289 Nov 29 j 22:07 | 6°♎56'09  |            | -7286 May 26 j 04:16 | 8°♈06'58  | -1°48'59   |
| desc. node          | -7289 Dec 01 j 16:46 | 9°♎08'09  |            | -7286 May 26 j 00:13 | 8°♈13'04  | 1°47'46    |
|                     | -7289 Dec 18 j 14:09 | 0°♏       |            | -7286 May 26 j 19:45 | 7°♈43'42  | 0.27757 AU |
|                     |                      |           |            | -7286 Jun 01 j 07:12 | 4°♈33'36  |            |
| superior conj       | -7288 Jan 09 j 08:31 | 26°♏48'15 | -1°12'09   | -7286 Jun 16 j 12:19 | 0°♈08'15  |            |
| minimum elong       | -7288 Jan 09 j 00:23 | 26°♏23'16 | 1°12'20    | -7286 Jun 27 j 22:54 | 2°♈30'26  | -4.8m      |
| max. Earth dist.    | -7288 Jan 11 j 02:32 | 28°♏57'26 | 1.73311 AU | -7286 Aug 03 j 09:17 | 0°♉       |            |
|                     | -7288 Jan 11 j 22:53 | 0°♐       |            | -7286 Aug 05 j 20:29 | 2°♉27'40  | 46°41'48   |
|                     | -7288 Feb 05 j 08:48 | 0°♑       |            | -7286 Aug 31 j 07:17 | 0°♊       |            |
| evening rise        | -7288 Feb 15 j 18:49 | 12°♑47'06 |            | -7286 Sep 07 j 21:44 | 8°♊45'17  |            |
| greatest brilliancy | -7288 Feb 25 j 04:16 | 24°♑18'18 | -3.9m      | -7286 Sep 25 j 20:22 | 0°♋       |            |
|                     | -7288 Feb 29 j 19:50 | 0°♒       |            | -7286 Oct 20 j 13:09 | 0°♌       |            |
| asc. node           | -7288 Mar 22 j 21:18 | 26°♒58'47 |            | -7286 Nov 14 j 00:06 | 0°♍       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |                      |                      |           |            |
|---------------------|----------------------|-----------|------------|--|----------------------|----------------------|-----------|------------|
|                     | -7286 Dec 08 j 11:31 | 0°♊       |            |  | -7283 May 31 j 13:05 | 0°♈                  |           |            |
| desc. node          | -7286 Dec 29 j 05:58 | 25°♊22'43 |            |  | desc. node           | -7283 Jun 14 j 22:01 | 12°♈53'55 |            |
|                     | -7285 Jan 02 j 00:53 | 0°♌       |            |  | greatest brilliancy  | -7283 Jul 09 j 07:59 | 27°♈56'45 | -4.9m      |
|                     | -7285 Jan 26 j 15:07 | 0°♍       |            |  | retrograde           | -7283 Jul 18 j 15:29 | 29°♈32'20 |            |
| morning set         | -7285 Feb 10 j 11:33 | 18°♍07'57 |            |  | evening set          | -7283 Aug 05 j 10:21 | 23°♈36'51 |            |
|                     | -7285 Feb 20 j 04:29 | 0°♎       |            |  | inferior conj        | -7283 Aug 08 j 08:02 | 21°♈52'40 | -8°58'09   |
| max. Earth dist.    | -7285 Mar 16 j 06:49 | 29°♎32'06 | 1.73719 AU |  | minimum elong        | -7283 Aug 08 j 06:44 | 21°♈54'37 | 8°57'39    |
|                     | -7285 Mar 16 j 15:54 | 0°♏       |            |  | min. Earth dist.     | -7283 Aug 08 j 05:58 | 21°♈55'47 | 0.26685 AU |
|                     |                      |           |            |  | morning rise         | -7283 Aug 11 j 03:07 | 20°♈12'29 |            |
| superior conj       | -7285 Mar 18 j 17:29 | 2°♏32'15  | -1°05'27   |  | direct               | -7283 Aug 28 j 18:58 | 14°♈18'20 |            |
| minimum elong       | -7285 Mar 19 j 01:18 | 2°♏56'17  | 1°05'40    |  | greatest brilliancy  | -7283 Sep 08 j 04:01 | 16°♈21'30 | -4.9m      |
|                     | -7285 Apr 10 j 01:11 | 0°♐       |            |  |                      | -7283 Sep 29 j 11:49 | 0°♑       |            |
| asc. node           | -7285 Apr 20 j 10:10 | 12°♐47'36 |            |  | asc. node            | -7283 Oct 05 j 08:42 | 5°♑08'10  |            |
| evening rise        | -7285 Apr 23 j 05:22 | 16°♐14'56 |            |  | morning max el       | -7283 Oct 18 j 11:54 | 17°♑53'30 | 46°43'06   |
|                     | -7285 May 04 j 08:41 | 0°♒       |            |  |                      | -7283 Oct 29 j 23:26 | 0°♓       |            |
|                     | -7285 May 28 j 15:03 | 0°♉       |            |  |                      | -7283 Nov 25 j 15:35 | 0°♑       |            |
|                     | -7285 Jun 21 j 21:31 | 0°♊       |            |  |                      | -7283 Dec 21 j 08:02 | 0°♋       |            |
|                     | -7285 Jul 16 j 06:01 | 0°♌       |            |  |                      | -7282 Jan 15 j 16:19 | 0°♌       |            |
|                     | -7285 Aug 09 j 19:32 | 0°♍       |            |  | desc. node           | -7282 Jan 25 j 18:46 | 12°♌01'19 |            |
| desc. node          | -7285 Aug 10 j 17:55 | 1°♍07'52  |            |  |                      | -7282 Feb 09 j 19:54 | 0°♍       |            |
|                     | -7285 Sep 03 j 18:49 | 0°♎       |            |  |                      | -7282 Mar 06 j 18:31 | 0°♎       |            |
|                     | -7285 Sep 29 j 13:45 | 0°♏       |            |  |                      | -7282 Mar 31 j 11:26 | 0°♏       |            |
| evening max el      | -7285 Oct 24 j 13:21 | 27°♏04'58 | 46°54'30   |  | morning set          | -7282 Apr 18 j 11:07 | 22°♏02'01 |            |
|                     | -7285 Oct 27 j 10:47 | 0°♐       |            |  |                      | -7282 Apr 24 j 22:29 | 0°♐       |            |
| asc. node           | -7285 Dec 01 j 03:44 | 27°♐18'45 |            |  | asc. node            | -7282 May 17 j 23:14 | 28°♐30'01 |            |
| greatest brilliancy | -7285 Dec 03 j 02:03 | 28°♐08'33 | -4.8m      |  |                      | -7282 May 19 j 04:12 | 0°♑       |            |
|                     | -7285 Dec 09 j 05:29 | 0°♒       |            |  | max. Earth dist.     | -7282 May 19 j 13:01 | 0°♑27'25  | 1.72518 AU |
| retrograde          | -7285 Dec 14 j 05:27 | 0°♒30'01  |            |  |                      |                      |           |            |
|                     | -7285 Dec 19 j 02:28 | 30°♒♌     |            |  | superior conj        | -7282 May 24 j 03:02 | 6°♑09'26  | 0°14'20    |
| evening set         | -7285 Dec 30 j 11:44 | 25°♌11'03 |            |  | minimum elong        | -7282 May 24 j 00:14 | 6°♑00'42  | 0°14'12    |
| min. Earth dist.    | -7284 Jan 03 j 17:05 | 22°♌32'36 | 0.28891 AU |  | behind sun begin     | -7282 May 23 j 13:59 | 5°♑28'50  |            |
| inferior conj       | -7284 Jan 04 j 11:04 | 22°♌03'42 | 6°49'31    |  | behind sun end       | -7282 May 24 j 10:28 | 6°♑32'34  |            |
| minimum elong       | -7284 Jan 04 j 02:53 | 22°♌16'51 | 6°47'51    |  |                      | -7282 Jun 12 j 05:38 | 0°♉       |            |
| morning rise        | -7284 Jan 08 j 18:32 | 19°♌21'04 |            |  | evening rise         | -7282 Jun 29 j 12:52 | 21°♉39'56 |            |
| direct              | -7284 Jan 25 j 18:50 | 13°♌43'44 |            |  |                      | -7282 Jul 06 j 04:22 | 0°♊       |            |
| greatest brilliancy | -7284 Feb 03 j 16:30 | 15°♌11'29 | -4.7m      |  |                      | -7282 Jul 30 j 02:30 | 0°♌       |            |
|                     | -7284 Feb 28 j 09:04 | 0°♍       |            |  |                      | -7282 Aug 23 j 02:22 | 0°♍       |            |
| morning max el      | -7284 Mar 14 j 12:50 | 13°♍24'00 | 45°52'54   |  | desc. node           | -7282 Sep 07 j 06:02 | 18°♍50'42 |            |
| desc. node          | -7284 Mar 22 j 16:18 | 21°♍19'53 |            |  |                      | -7282 Sep 16 j 06:12 | 0°♎       |            |
|                     | -7284 Mar 31 j 04:11 | 0°♎       |            |  |                      | -7282 Oct 10 j 16:14 | 0°♏       |            |
|                     | -7284 Apr 27 j 17:18 | 0°♏       |            |  |                      | -7282 Nov 04 j 12:21 | 0°♐       |            |
|                     | -7284 May 23 j 15:31 | 0°♐       |            |  |                      | -7282 Nov 30 j 03:59 | 0°♑       |            |
|                     | -7284 Jun 17 j 15:09 | 0°♑       |            |  |                      | -7282 Dec 27 j 17:28 | 0°♒       |            |
|                     | -7284 Jul 11 j 23:42 | 0°♉       |            |  | asc. node            | -7282 Dec 28 j 14:22 | 0°♒53'14  |            |
| asc. node           | -7284 Jul 12 j 23:24 | 1°♉13'39  |            |  | evening max el       | -7281 Jan 03 j 05:33 | 6°♒30'01  | 45°22'05   |
| greatest brilliancy | -7284 Jul 18 j 18:13 | 8°♉26'20  | -3.9m      |  |                      | -7281 Jan 31 j 22:40 | 0°♓       |            |
|                     | -7284 Aug 04 j 22:34 | 0°♊       |            |  | greatest brilliancy  | -7281 Feb 10 j 01:13 | 4°♓27'51  | -4.7m      |
|                     | -7284 Aug 28 j 16:37 | 0°♋       |            |  | retrograde           | -7281 Feb 20 j 17:27 | 6°♓31'23  |            |
| morning set         | -7284 Sep 09 j 21:06 | 15°♋24'56 |            |  | evening set          | -7281 Mar 09 j 20:17 | 0°♓59'56  |            |
|                     | -7284 Sep 21 j 10:11 | 0°♌       |            |  |                      | -7281 Mar 11 j 12:05 | 30°♒♒     |            |
|                     | -7284 Oct 15 j 06:22 | 0°♍       |            |  | inferior conj        | -7281 Mar 14 j 05:23 | 28°♒17'57 | 6°56'19    |
|                     |                      |           |            |  | minimum elong        | -7281 Mar 14 j 13:10 | 28°♒05'40 | 6°54'45    |
| superior conj       | -7284 Oct 21 j 21:25 | 8°♍18'10  | 0°25'39    |  | min. Earth dist.     | -7281 Mar 15 j 01:18 | 27°♒46'32 | 0.29413 AU |
| minimum elong       | -7284 Oct 22 j 04:17 | 8°♍39'38  | 0°25'34    |  | morning rise         | -7281 Mar 19 j 05:46 | 25°♒12'22 |            |
| max. Earth dist.    | -7284 Oct 28 j 02:18 | 16°♍03'38 | 1.71567 AU |  | direct               | -7281 Apr 05 j 04:02 | 19°♒48'42 |            |
| desc. node          | -7284 Nov 02 j 05:35 | 22°♍28'26 |            |  | greatest brilliancy  | -7281 Apr 15 j 20:48 | 21°♒50'47 | -4.7m      |
|                     | -7284 Nov 08 j 06:32 | 0°♎       |            |  | desc. node           | -7281 Apr 20 j 02:56 | 23°♒38'46 |            |
|                     | -7284 Dec 02 j 10:39 | 0°♌       |            |  |                      | -7281 Apr 30 j 18:33 | 0°♓       |            |
| evening rise        | -7284 Dec 03 j 04:20 | 0°♌54'41  |            |  | morning max el       | -7281 May 24 j 10:39 | 20°♓08'28 | 46°09'04   |
|                     | -7284 Dec 26 j 18:19 | 0°♍       |            |  |                      | -7281 Jun 03 j 06:57 | 0°♉       |            |
|                     | -7283 Jan 20 j 06:02 | 0°♒       |            |  |                      | -7281 Jun 30 j 17:11 | 0°♑       |            |
|                     | -7283 Feb 13 j 23:47 | 0°♓       |            |  |                      | -7281 Jul 26 j 05:15 | 0°♉       |            |
| asc. node           | -7283 Feb 22 j 11:06 | 10°♓10'31 |            |  | asc. node            | -7281 Aug 10 j 11:59 | 18°♉34'49 |            |
|                     | -7283 Mar 11 j 02:55 | 0°♉       |            |  |                      | -7281 Aug 19 j 18:21 | 0°♊       |            |
|                     | -7283 Apr 05 j 20:17 | 0°♑       |            |  |                      | -7281 Sep 12 j 19:51 | 0°♋       |            |
|                     | -7283 May 02 j 13:32 | 0°♉       |            |  |                      | -7281 Oct 06 j 17:28 | 0°♌       |            |
| evening max el      | -7283 May 29 j 17:04 | 28°♉13'44 | 46°26'55   |  |                      | -7281 Oct 30 j 16:22 | 0°♍       |            |



## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 25

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7281 Nov 23 j 18:56 | 0°♌       |            | desc. node          | -7278 May 17 j 13:39 | 9°♑24'27  |            |
| morning set         | -7281 Nov 27 j 09:30 | 4°♌28'19  |            | inferior conj       | -7278 May 23 j 18:21 | 5°♑50'33  | -1°27'39   |
| desc. node          | -7281 Nov 30 j 18:51 | 8°♌40'10  |            | minimum elong       | -7278 May 23 j 15:04 | 5°♑55'29  | 1°26'42    |
|                     | -7281 Dec 18 j 01:10 | 0°♍       |            | min. Earth dist.    | -7278 May 24 j 10:24 | 5°♑26'23  | 0.27817 AU |
|                     |                      |           |            | morning rise        | -7278 May 29 j 23:00 | 2°♑14'51  |            |
| superior conj       | -7280 Jan 06 j 23:36 | 24°♍33'28 | -1°10'30   |                     | -7278 Jun 03 j 16:51 | 30°♑      |            |
| minimum elong       | -7280 Jan 06 j 15:01 | 24°♍07'06 | 1°10'40    | direct              | -7278 Jun 14 j 03:47 | 27°♑50'40 |            |
| max. Earth dist.    | -7280 Jan 08 j 20:58 | 26°♍53'01 | 1.73269 AU |                     | -7278 Jun 25 j 00:42 | 0°♑       |            |
|                     | -7280 Jan 11 j 09:46 | 0°♑       |            | greatest brilliancy | -7278 Jun 25 j 13:46 | 0°♑12'38  | -4.8m      |
|                     | -7280 Feb 04 j 19:40 | 0°♑       |            |                     | -7278 Aug 03 j 08:15 | 0°♑       |            |
| evening rise        | -7280 Feb 13 j 12:42 | 10°♑41'17 |            | morning max el      | -7278 Aug 03 j 11:49 | 0°♑08'59  | 46°40'59   |
| greatest brilliancy | -7280 Feb 23 j 20:25 | 23°♑20'41 | -3.9m      |                     | -7278 Aug 30 j 23:37 | 0°♑       |            |
|                     | -7280 Feb 29 j 06:47 | 0°♑       |            | asc. node           | -7278 Sep 06 j 23:52 | 8°♑06'26  |            |
| asc. node           | -7280 Mar 21 j 23:23 | 26°♑31'01 |            |                     | -7278 Sep 25 j 10:21 | 0°♑       |            |
|                     | -7280 Mar 24 j 19:54 | 0°♑       |            |                     | -7278 Oct 20 j 02:00 | 0°♑       |            |
|                     | -7280 Apr 18 j 12:04 | 0°♑       |            |                     | -7278 Nov 13 j 12:15 | 0°♑       |            |
|                     | -7280 May 13 j 08:32 | 0°♑       |            |                     | -7278 Dec 07 j 23:09 | 0°♑       |            |
|                     | -7280 Jun 07 j 11:48 | 0°♑       |            | desc. node          | -7278 Dec 28 j 08:08 | 24°♑54'50 |            |
|                     | -7280 Jul 03 j 03:49 | 0°♑       |            |                     | -7277 Jan 01 j 12:08 | 0°♑       |            |
| desc. node          | -7280 Jul 12 j 08:41 | 10°♑29'32 |            |                     | -7277 Jan 26 j 02:04 | 0°♑       |            |
|                     | -7280 Jul 30 j 00:28 | 0°♑       |            | morning set         | -7277 Feb 08 j 04:41 | 16°♑00'33 |            |
| evening max el      | -7280 Aug 11 j 03:13 | 12°♑39'01 | 47°42'58   |                     | -7277 Feb 19 j 15:14 | 0°♑       |            |
|                     | -7280 Aug 29 j 15:47 | 0°♑       |            | max. Earth dist.    | -7277 Mar 14 j 07:05 | 27°♑46'28 | 1.73732 AU |
| greatest brilliancy | -7280 Sep 21 j 12:03 | 14°♑33'38 | -4.9m      |                     | -7277 Mar 16 j 02:34 | 0°♑       |            |
| retrograde          | -7280 Oct 01 j 04:48 | 16°♑23'01 |            |                     |                      |           |            |
| evening set         | -7280 Oct 16 j 06:42 | 11°♑48'12 |            | superior conj       | -7277 Mar 16 j 12:50 | 0°♑31'31  | -1°07'11   |
| inferior conj       | -7280 Oct 21 j 22:24 | 8°♑22'31  | -2°41'30   | minimum elong       | -7277 Mar 16 j 20:30 | 0°♑55'04  | 1°07'26    |
| minimum elong       | -7280 Oct 22 j 04:03 | 8°♑13'39  | 2°39'32    |                     | -7277 Apr 09 j 11:53 | 0°♑       |            |
| min. Earth dist.    | -7280 Oct 21 j 09:41 | 8°♑42'28  | 0.26853 AU | asc. node           | -7277 Apr 19 j 12:14 | 12°♑20'47 |            |
| morning rise        | -7280 Oct 28 j 01:59 | 4°♑41'57  |            | evening rise        | -7277 Apr 21 j 01:12 | 14°♑14'46 |            |
| asc. node           | -7280 Nov 01 j 19:16 | 2°♑28'50  |            |                     | -7277 May 03 j 19:33 | 0°♑       |            |
| direct              | -7280 Nov 11 j 05:19 | 0°♑38'06  |            |                     | -7277 May 28 j 02:14 | 0°♑       |            |
| greatest brilliancy | -7280 Nov 20 j 17:53 | 2°♑21'31  | -4.9m      |                     | -7277 Jun 21 j 09:08 | 0°♑       |            |
|                     | -7280 Dec 28 j 13:22 | 0°♑       |            |                     | -7277 Jul 15 j 18:11 | 0°♑       |            |
| morning max el      | -7280 Dec 30 j 16:30 | 2°♑03'51  | 46°12'17   |                     | -7277 Aug 09 j 08:26 | 0°♑       |            |
|                     | -7279 Jan 26 j 13:44 | 0°♑       |            | desc. node          | -7277 Aug 09 j 20:07 | 0°♑35'22  |            |
| desc. node          | -7279 Feb 22 j 07:00 | 29°♑47'09 |            |                     | -7277 Sep 03 j 08:52 | 0°♑       |            |
|                     | -7279 Feb 22 j 11:31 | 0°♑       |            |                     | -7277 Sep 29 j 06:05 | 0°♑       |            |
|                     | -7279 Mar 20 j 10:25 | 0°♑       |            | evening max el      | -7277 Oct 22 j 06:14 | 24°♑51'08 | 46°57'45   |
|                     | -7279 Apr 14 j 17:57 | 0°♑       |            |                     | -7277 Oct 27 j 09:41 | 0°♑       |            |
|                     | -7279 May 09 j 13:20 | 0°♑       |            | asc. node           | -7277 Nov 30 j 05:59 | 25°♑43'14 |            |
|                     | -7279 Jun 02 j 22:41 | 0°♑       |            | greatest brilliancy | -7277 Nov 30 j 19:29 | 25°♑57'03 | -4.8m      |
| asc. node           | -7279 Jun 14 j 12:33 | 14°♑23'37 |            | retrograde          | -7277 Dec 11 j 23:01 | 28°♑18'13 |            |
| morning set         | -7279 Jun 25 j 06:13 | 27°♑48'39 |            | evening set         | -7277 Dec 28 j 02:04 | 23°♑03'24 |            |
|                     | -7279 Jun 27 j 00:08 | 0°♑       |            | min. Earth dist.    | -7276 Jan 01 j 08:37 | 20°♑23'02 | 0.28822 AU |
|                     | -7279 Jul 20 j 20:17 | 0°♑       |            | inferior conj       | -7276 Jan 02 j 03:46 | 19°♑52'13 | 6°38'58    |
| max. Earth dist.    | -7279 Aug 01 j 21:23 | 15°♑12'50 | 1.70890 AU | minimum elong       | -7276 Jan 01 j 19:21 | 20°♑05'45 | 6°37'13    |
|                     |                      |           |            | morning rise        | -7276 Jan 06 j 13:14 | 17°♑06'37 |            |
| superior conj       | -7279 Aug 02 j 13:48 | 16°♑04'40 | 1°21'55    | direct              | -7276 Jan 23 j 11:11 | 11°♑33'34 |            |
| minimum elong       | -7279 Aug 02 j 09:57 | 15°♑52'32 | 1°22'20    | greatest brilliancy | -7276 Feb 01 j 06:55 | 13°♑00'02 | -4.7m      |
|                     | -7279 Aug 13 j 14:11 | 0°♑       |            |                     | -7276 Feb 28 j 15:46 | 0°♑       |            |
|                     | -7279 Sep 06 j 08:49 | 0°♑       |            | morning max el      | -7276 Mar 12 j 04:59 | 11°♑15'41 | 45°52'58   |
| evening rise        | -7279 Sep 12 j 14:21 | 7°♑50'20  |            | desc. node          | -7276 Mar 21 j 18:17 | 20°♑36'15 |            |
|                     | -7279 Sep 30 j 06:28 | 0°♑       |            |                     | -7276 Mar 30 j 21:34 | 0°♑       |            |
| desc. node          | -7279 Oct 04 j 18:35 | 5°♑37'56  |            |                     | -7276 Apr 27 j 07:15 | 0°♑       |            |
|                     | -7279 Oct 24 j 08:15 | 0°♑       |            |                     | -7276 May 23 j 04:00 | 0°♑       |            |
|                     | -7279 Nov 17 j 14:55 | 0°♑       |            |                     | -7276 Jun 17 j 02:55 | 0°♑       |            |
|                     | -7279 Dec 12 j 04:16 | 0°♑       |            |                     | -7276 Jul 11 j 11:08 | 0°♑       |            |
|                     | -7278 Jan 06 j 04:44 | 0°♑       |            | asc. node           | -7276 Jul 12 j 01:37 | 0°♑45'03  |            |
| asc. node           | -7278 Jan 25 j 01:31 | 22°♑00'50 |            | greatest brilliancy | -7276 Jul 25 j 08:56 | 17°♑22'41 | -3.9m      |
|                     | -7278 Feb 01 j 01:32 | 0°♑       |            |                     | -7276 Aug 04 j 09:51 | 0°♑       |            |
|                     | -7278 Feb 28 j 15:06 | 0°♑       |            |                     | -7276 Aug 28 j 03:50 | 0°♑       |            |
| evening max el      | -7278 Mar 15 j 08:07 | 14°♑36'31 | 45°05'06   | morning set         | -7276 Sep 07 j 07:23 | 12°♑50'20 |            |
|                     | -7278 Apr 02 j 03:46 | 0°♑       |            |                     | -7276 Sep 20 j 21:21 | 0°♑       |            |
| greatest brilliancy | -7278 Apr 22 j 08:32 | 11°♑44'02 | -4.7m      |                     | -7276 Oct 14 j 17:29 | 0°♑       |            |
| retrograde          | -7278 May 02 j 15:26 | 13°♑36'11 |            |                     |                      |           |            |
| evening set         | -7278 May 17 j 06:17 | 9°♑34'04  |            | superior conj       | -7276 Oct 19 j 05:47 | 5°♑39'18  | 0°29'26    |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 26

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                   |            |                     |                      |                                   |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|----------------------|-----------------------------------|------------|
| minimum elong       | -7276 Oct 19 j 13:32 | 6° $\mathbb{M}$ 03'33             | 0°29'19    | morning rise        | -7273 Mar 16 j 20:14 | 23° $\mathfrak{Z}$ 09'21          |            |
| max. Earth dist.    | -7276 Oct 25 j 14:23 | 13° $\mathbb{M}$ 36'42            | 1.71503 AU | direct              | -7273 Apr 02 j 20:28 | 17° $\mathfrak{Z}$ 41'17          |            |
| desc. node          | -7276 Nov 01 j 07:43 | 22° $\mathbb{M}$ 00'26            |            | greatest brilliancy | -7273 Apr 13 j 13:02 | 19° $\mathfrak{Z}$ 42'55          | -4.7m      |
|                     | -7276 Nov 07 j 17:37 | 0° $\mathfrak{L}$                 |            | desc. node          | -7273 Apr 19 j 05:11 | 22° $\mathfrak{Z}$ 12'35          |            |
| evening rise        | -7276 Nov 30 j 15:51 | 28° $\mathfrak{L}$ 27'34          |            |                     | -7273 May 01 j 10:16 | 0° $\approx$                      |            |
|                     | -7276 Dec 01 j 21:43 | 0° $\mathbb{M}$                   |            | morning max el      | -7273 May 22 j 02:52 | 17° $\approx$ 57'54               | 46°08'13   |
|                     | -7276 Dec 26 j 05:26 | 0° $\mathfrak{X}$                 |            |                     | -7273 Jun 03 j 01:47 | 0° $\mathfrak{H}$                 |            |
|                     | -7275 Jan 19 j 17:18 | 0° $\mathfrak{Z}$                 |            |                     | -7273 Jun 30 j 07:55 | 0° $\mathfrak{Y}$                 |            |
|                     | -7275 Feb 13 j 11:25 | 0° $\approx$                      |            |                     | -7273 Jul 25 j 18:21 | 0° $\mathfrak{B}$                 |            |
| asc. node           | -7275 Feb 21 j 13:13 | 9° $\approx$ 41'24                |            | asc. node           | -7273 Aug 09 j 14:08 | 18° $\mathfrak{B}$ 02'59          |            |
|                     | -7275 Mar 10 j 15:17 | 0° $\mathfrak{H}$                 |            |                     | -7273 Aug 19 j 06:39 | 0° $\mathbb{I}$                   |            |
|                     | -7275 Apr 05 j 10:07 | 0° $\mathfrak{Y}$                 |            |                     | -7273 Sep 12 j 07:43 | 0° $\mathfrak{G}$                 |            |
|                     | -7275 May 02 j 06:23 | 0° $\mathfrak{B}$                 |            |                     | -7273 Oct 06 j 05:06 | 0° $\mathfrak{Q}$                 |            |
| evening max el      | -7275 May 27 j 05:46 | 25° $\mathfrak{B}$ 50'01          | 46°23'09   |                     | -7273 Oct 30 j 03:50 | 0° $\mathbb{M}$                   |            |
|                     | -7275 May 31 j 14:26 | 0° $\mathbb{I}$                   |            |                     | -7273 Nov 23 j 06:16 | 0° $\mathfrak{L}$                 |            |
| desc. node          | -7275 Jun 14 j 00:13 | 11° $\mathbb{I}$ 45'08            |            | morning set         | -7273 Nov 24 j 20:16 | 1° $\mathfrak{L}$ 57'51           |            |
| greatest brilliancy | -7275 Jul 06 j 19:30 | 25° $\mathbb{I}$ 28'10            | -4.9m      | desc. node          | -7273 Nov 29 j 21:03 | 8° $\mathfrak{L}$ 12'05           |            |
| retrograde          | -7275 Jul 16 j 02:33 | 27° $\mathbb{I}$ 03'16            |            |                     | -7273 Dec 17 j 12:21 | 0° $\mathbb{M}$                   |            |
| evening set         | -7275 Aug 02 j 20:01 | 21° $\mathbb{I}$ 11'45            |            |                     |                      |                                   |            |
| inferior conj       | -7275 Aug 05 j 20:00 | 19° $\mathbb{I}$ 24'10            | -8°55'39   | superior conj       | -7272 Jan 04 j 14:01 | 22° $\mathbb{M}$ 16'10            | -1°08'43   |
| minimum elong       | -7275 Aug 05 j 17:43 | 19° $\mathbb{I}$ 27'36            | 8°55'07    | minimum elong       | -7272 Jan 04 j 05:02 | 21° $\mathbb{M}$ 48'31            | 1°08'51    |
| min. Earth dist.    | -7275 Aug 05 j 18:21 | 19° $\mathbb{I}$ 26'40            | 0.26707 AU | max. Earth dist.    | -7272 Jan 06 j 13:05 | 24° $\mathbb{M}$ 40'58            | 1.73223 AU |
| morning rise        | -7275 Aug 08 j 15:25 | 17° $\mathbb{I}$ 43'22            |            |                     | -7272 Jan 10 j 20:49 | 0° $\mathfrak{X}$                 |            |
| direct              | -7275 Aug 26 j 07:07 | 11° $\mathbb{I}$ 49'28            |            |                     | -7272 Feb 04 j 06:40 | 0° $\mathfrak{Z}$                 |            |
| greatest brilliancy | -7275 Sep 05 j 17:35 | 13° $\mathbb{I}$ 53'12            | -4.9m      | evening rise        | -7272 Feb 11 j 06:13 | 8° $\mathfrak{Z}$ 34'00           |            |
|                     | -7275 Sep 29 j 22:13 | 0° $\mathfrak{G}$                 |            | greatest brilliancy | -7272 Feb 22 j 06:47 | 22° $\mathfrak{Z}$ 05'03          | -3.9m      |
| asc. node           | -7275 Oct 04 j 10:50 | 4° $\mathfrak{G}$ 04'46           |            |                     | -7272 Feb 28 j 17:53 | 0° $\approx$                      |            |
| morning max el      | -7275 Oct 15 j 23:39 | 15° $\mathfrak{G}$ 21'56          | 46°43'48   | asc. node           | -7272 Mar 21 j 01:29 | 26° $\approx$ 02'56               |            |
|                     | -7275 Oct 29 j 18:39 | 0° $\mathfrak{Q}$                 |            |                     | -7272 Mar 24 j 07:15 | 0° $\mathfrak{H}$                 |            |
|                     | -7275 Nov 25 j 06:51 | 0° $\mathbb{M}$                   |            |                     | -7272 Apr 17 j 23:53 | 0° $\mathfrak{Y}$                 |            |
|                     | -7275 Dec 20 j 21:27 | 0° $\mathfrak{L}$                 |            |                     | -7272 May 12 j 21:04 | 0° $\mathfrak{B}$                 |            |
|                     | -7274 Jan 15 j 04:41 | 0° $\mathbb{M}$                   |            |                     | -7272 Jun 07 j 01:26 | 0° $\mathbb{I}$                   |            |
| desc. node          | -7274 Jan 24 j 20:54 | 11° $\mathbb{M}$ 31'48            |            |                     | -7272 Jul 02 j 19:23 | 0° $\mathfrak{G}$                 |            |
|                     | -7274 Feb 09 j 07:36 | 0° $\mathfrak{X}$                 |            | desc. node          | -7272 Jul 11 j 10:55 | 9° $\mathfrak{G}$ 49'00           |            |
|                     | -7274 Mar 06 j 05:46 | 0° $\mathfrak{Z}$                 |            |                     | -7272 Jul 29 j 20:15 | 0° $\mathfrak{Q}$                 |            |
|                     | -7274 Mar 30 j 22:23 | 0° $\approx$                      |            | evening max el      | -7272 Aug 08 j 17:02 | 10° $\mathfrak{Q}$ 14'14          | 47°42'14   |
| morning set         | -7274 Apr 16 j 06:33 | 20° $\approx$ 00'55               |            |                     | -7272 Aug 30 j 04:37 | 0° $\mathbb{M}$                   |            |
|                     | -7274 Apr 24 j 09:18 | 0° $\mathfrak{H}$                 |            | greatest brilliancy | -7272 Sep 19 j 02:56 | 12° $\mathbb{M}$ 07'35            | -4.9m      |
| asc. node           | -7274 May 17 j 01:30 | 28° $\mathfrak{H}$ 03'31          |            | retrograde          | -7272 Sep 28 j 18:42 | 13° $\mathbb{M}$ 56'13            |            |
| max. Earth dist.    | -7274 May 17 j 08:00 | 28° $\mathfrak{H}$ 23'39          | 1.72579 AU | evening set         | -7272 Oct 13 j 22:18 | 9° $\mathbb{M}$ 18'31             |            |
|                     | -7274 May 18 j 15:01 | 0° $\mathfrak{Y}$                 |            | inferior conj       | -7272 Oct 19 j 11:54 | 5° $\mathbb{M}$ 56'25             | -3°03'33   |
|                     |                      |                                   |            | minimum elong       | -7272 Oct 19 j 18:16 | 5° $\mathbb{M}$ 46'28             | 3°01'24    |
| superior conj       | -7274 May 21 j 21:36 | 4° $\mathfrak{Y}$ 04'16           | 0°11'17    | min. Earth dist.    | -7272 Oct 18 j 23:59 | 6° $\mathbb{M}$ 15'02             | 0.26818 AU |
| minimum elong       | -7274 May 21 j 19:23 | 3° $\mathfrak{Y}$ 57'23           | 0°11'11    | morning rise        | -7272 Oct 25 j 14:45 | 2° $\mathbb{M}$ 17'27             |            |
| behind sun begin    | -7274 May 21 j 03:18 | 3° $\mathfrak{Y}$ 07'23           |            |                     | -7272 Oct 30 j 12:16 | 30° $\mathfrak{R}$ $\mathfrak{Q}$ |            |
| behind sun end      | -7274 May 22 j 11:28 | 4° $\mathfrak{Y}$ 47'25           |            | asc. node           | -7272 Oct 31 j 21:36 | 29° $\mathfrak{Q}$ 30'19          |            |
|                     | -7274 Jun 11 j 16:33 | 0° $\mathfrak{B}$                 |            | direct              | -7272 Nov 08 j 18:16 | 28° $\mathfrak{Q}$ 12'35          |            |
| evening rise        | -7274 Jun 27 j 05:23 | 19° $\mathfrak{B}$ 26'46          |            |                     | -7272 Nov 18 j 10:58 | 0° $\mathbb{M}$                   |            |
|                     | -7274 Jul 05 j 15:28 | 0° $\mathbb{I}$                   |            | greatest brilliancy | -7272 Nov 18 j 08:11 | 29° $\mathfrak{Q}$ 57'34          | -4.9m      |
|                     | -7274 Jul 29 j 13:50 | 0° $\mathfrak{G}$                 |            | morning max el      | -7272 Dec 28 j 07:38 | 29° $\mathbb{M}$ 46'25            | 46°13'24   |
|                     | -7274 Aug 22 j 14:01 | 0° $\mathfrak{Q}$                 |            |                     | -7272 Dec 28 j 13:12 | 0° $\mathfrak{L}$                 |            |
| desc. node          | -7274 Sep 06 j 08:02 | 18° $\mathfrak{Q}$ 20'06          |            |                     | -7271 Jan 26 j 06:20 | 0° $\mathbb{M}$                   |            |
|                     | -7274 Sep 15 j 18:12 | 0° $\mathbb{M}$                   |            | desc. node          | -7271 Feb 21 j 09:02 | 29° $\mathbb{M}$ 13'15            |            |
|                     | -7274 Oct 10 j 04:44 | 0° $\mathfrak{L}$                 |            |                     | -7271 Feb 22 j 01:26 | 0° $\mathfrak{X}$                 |            |
|                     | -7274 Nov 04 j 01:41 | 0° $\mathbb{M}$                   |            |                     | -7271 Mar 19 j 22:59 | 0° $\mathfrak{Z}$                 |            |
|                     | -7274 Nov 29 j 19:01 | 0° $\mathfrak{X}$                 |            |                     | -7271 Apr 14 j 05:47 | 0° $\approx$                      |            |
| asc. node           | -7274 Dec 27 j 16:39 | 0° $\mathfrak{Z}$ 08'21           |            |                     | -7271 May 09 j 00:45 | 0° $\mathfrak{H}$                 |            |
|                     | -7274 Dec 27 j 13:20 | 0° $\mathfrak{Z}$                 |            |                     | -7271 Jun 02 j 09:55 | 0° $\mathfrak{Y}$                 |            |
| evening max el      | -7274 Dec 31 j 19:59 | 4° $\mathfrak{Z}$ 14'57           | 45°24'31   | asc. node           | -7271 Jun 13 j 14:41 | 13° $\mathfrak{Y}$ 55'25          |            |
|                     | -7273 Feb 02 j 10:39 | 0° $\approx$                      |            | morning set         | -7271 Jun 22 j 22:10 | 25° $\mathfrak{Y}$ 33'23          |            |
| greatest brilliancy | -7273 Feb 07 j 17:39 | 2° $\approx$ 21'06                | -4.7m      |                     | -7271 Jun 26 j 11:18 | 0° $\mathfrak{B}$                 |            |
| retrograde          | -7273 Feb 18 j 10:21 | 4° $\approx$ 25'41                |            |                     | -7271 Jul 20 j 07:28 | 0° $\mathbb{I}$                   |            |
|                     | -7273 Mar 05 j 14:28 | 30° $\mathfrak{R}$ $\mathfrak{Z}$ |            | max. Earth dist.    | -7271 Jul 30 j 05:17 | 12° $\mathbb{I}$ 30'41            | 1.70916 AU |
| evening set         | -7273 Mar 07 j 15:21 | 28° $\mathfrak{Z}$ 50'18          |            |                     |                      |                                   |            |
| inferior conj       | -7273 Mar 11 j 22:30 | 26° $\mathfrak{Z}$ 11'13          | 7°05'25    | superior conj       | -7271 Jul 31 j 02:50 | 13° $\mathbb{I}$ 38'45            | 1°21'09    |
| minimum elong       | -7273 Mar 12 j 05:57 | 25° $\mathfrak{Z}$ 59'27          | 7°03'58    | minimum elong       | -7271 Jul 30 j 22:12 | 13° $\mathbb{I}$ 24'08            | 1°21'33    |
| min. Earth dist.    | -7273 Mar 12 j 17:47 | 25° $\mathfrak{Z}$ 40'46          | 0.29443 AU |                     | -7271 Aug 13 j 01:25 | 0° $\mathfrak{G}$                 |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7271 Sep 05 j 20:10 | 0°♌       |            | morning max el      | -7268 Mar 09 j 20:19 | 9°♌04'12  | 45°52'53   |
| evening rise        | -7271 Sep 09 j 23:03 | 5°♌11'06  |            | desc. node          | -7268 Mar 20 j 20:32 | 19°♌52'47 |            |
|                     | -7271 Sep 29 j 17:54 | 0°♍       |            |                     | -7268 Mar 30 j 15:03 | 0°♌       |            |
| desc. node          | -7271 Oct 03 j 20:46 | 5°♍08'57  |            |                     | -7268 Apr 26 j 21:30 | 0°♍       |            |
|                     | -7271 Oct 23 j 19:49 | 0°♎       |            |                     | -7268 May 22 j 16:50 | 0°♍       |            |
|                     | -7271 Nov 17 j 02:41 | 0°♎       |            |                     | -7268 Jun 16 j 15:01 | 0°♎       |            |
|                     | -7271 Dec 11 j 16:25 | 0°♏       |            |                     | -7268 Jul 10 j 22:51 | 0°♏       |            |
|                     | -7270 Jan 05 j 17:41 | 0°♏       |            | asc. node           | -7268 Jul 11 j 03:41 | 0°♏15'01  |            |
| asc. node           | -7270 Jan 24 j 03:37 | 21°♏26'36 |            | greatest brilliancy | -7268 Jul 27 j 21:18 | 21°♏11'07 | -3.9m      |
|                     | -7270 Jan 31 j 16:12 | 0°♐       |            |                     | -7268 Aug 03 j 21:24 | 0°♐       |            |
|                     | -7270 Feb 28 j 10:01 | 0°♐       |            |                     | -7268 Aug 27 j 15:19 | 0°♐       |            |
| evening max el      | -7270 Mar 13 j 00:04 | 12°♐25'29 | 45°04'00   | morning set         | -7268 Sep 04 j 17:42 | 10°♐14'56 |            |
|                     | -7270 Apr 02 j 18:56 | 0°♑       |            |                     | -7268 Sep 20 j 08:48 | 0°♌       |            |
| greatest brilliancy | -7270 Apr 19 j 21:48 | 9°♑27'38  | -4.7m      |                     | -7268 Oct 14 j 04:54 | 0°♍       |            |
| retrograde          | -7270 Apr 30 j 05:25 | 11°♑19'59 |            |                     |                      |           |            |
| evening set         | -7270 May 14 j 20:36 | 7°♑17'38  |            | superior conj       | -7268 Oct 16 j 14:18 | 2°♍59'54  | 0°33'07    |
| desc. node          | -7270 May 16 j 15:55 | 6°♑19'09  |            | minimum elong       | -7268 Oct 16 j 22:52 | 3°♍26'45  | 0°33'02    |
| inferior conj       | -7270 May 21 j 08:31 | 3°♑33'39  | -1°06'26   | max. Earth dist.    | -7268 Oct 23 j 00:12 | 11°♍01'38 | 1.71439 AU |
| minimum elong       | -7270 May 21 j 06:02 | 3°♑37'24  | 1°05'43    | desc. node          | -7268 Oct 31 j 09:53 | 21°♍31'40 |            |
| min. Earth dist.    | -7270 May 22 j 01:10 | 3°♑08'32  | 0.27873 AU |                     | -7268 Nov 07 j 04:59 | 0°♎       |            |
|                     | -7270 May 27 j 11:23 | 30°♒      |            | evening rise        | -7268 Nov 28 j 03:15 | 25°♎59'11 |            |
| morning rise        | -7270 May 27 j 14:39 | 29°♒55'38 |            |                     | -7268 Dec 01 j 09:04 | 0°♎       |            |
| direct              | -7270 Jun 11 j 19:22 | 25°♒32'45 |            |                     | -7268 Dec 25 j 16:48 | 0°♏       |            |
| greatest brilliancy | -7270 Jun 23 j 04:23 | 27°♒53'52 | -4.8m      |                     | -7267 Jan 19 j 04:51 | 0°♏       |            |
|                     | -7270 Jun 27 j 18:41 | 0°♑       |            |                     | -7267 Feb 12 j 23:23 | 0°♐       |            |
| morning max el      | -7270 Aug 01 j 02:36 | 27°♑48'16 | 46°40'06   | asc. node           | -7267 Feb 20 j 15:20 | 9°♐11'18  |            |
|                     | -7270 Aug 03 j 06:36 | 0°♒       |            |                     | -7267 Mar 10 j 04:06 | 0°♒       |            |
|                     | -7270 Aug 30 j 15:56 | 0°♒       |            |                     | -7267 Apr 05 j 00:31 | 0°♑       |            |
| asc. node           | -7270 Sep 06 j 01:57 | 7°♒27'03  |            |                     | -7267 May 02 j 00:04 | 0°♒       |            |
|                     | -7270 Sep 25 j 00:28 | 0°♓       |            | evening max el      | -7267 May 24 j 17:46 | 23°♒23'33 | 46°19'31   |
|                     | -7270 Oct 19 j 15:00 | 0°♌       |            |                     | -7267 May 31 j 17:44 | 0°♒       |            |
|                     | -7270 Nov 13 j 00:35 | 0°♍       |            | desc. node          | -7267 Jun 13 j 02:24 | 10°♒33'11 |            |
|                     | -7270 Dec 07 j 11:01 | 0°♎       |            | greatest brilliancy | -7267 Jul 04 j 07:10 | 22°♒58'49 | -4.9m      |
| desc. node          | -7270 Dec 27 j 10:13 | 24°♎25'47 |            | retrograde          | -7267 Jul 13 j 13:37 | 24°♒33'40 |            |
|                     | -7270 Dec 31 j 23:39 | 0°♏       |            | evening set         | -7267 Jul 31 j 05:09 | 18°♒46'33 |            |
|                     | -7269 Jan 25 j 13:21 | 0°♏       |            | inferior conj       | -7267 Aug 03 j 08:00 | 16°♒55'01 | -8°52'09   |
| morning set         | -7269 Feb 05 j 21:25 | 13°♏50'49 |            | minimum elong       | -7267 Aug 03 j 04:44 | 16°♒59'57 | 8°51'33    |
|                     | -7269 Feb 19 j 02:21 | 0°♐       |            | min. Earth dist.    | -7267 Aug 03 j 06:53 | 16°♒56'42 | 0.26728 AU |
| max. Earth dist.    | -7269 Mar 12 j 05:38 | 25°♐54'28 | 1.73743 AU | morning rise        | -7267 Aug 06 j 04:15 | 15°♒13'01 |            |
|                     |                      |           |            | direct              | -7267 Aug 23 j 19:02 | 9°♒19'45  |            |
| superior conj       | -7269 Mar 14 j 07:45 | 28°♐28'18 | -1°08'51   | greatest brilliancy | -7267 Sep 03 j 07:37 | 11°♒24'54 | -4.9m      |
| minimum elong       | -7269 Mar 14 j 15:14 | 28°♐51'15 | 1°09'08    |                     | -7267 Sep 30 j 06:09 | 0°♓       |            |
|                     | -7269 Mar 15 j 13:37 | 0°♑       |            | asc. node           | -7267 Oct 03 j 13:13 | 3°♓02'51  |            |
|                     | -7269 Apr 08 j 22:58 | 0°♒       |            | morning max el      | -7267 Oct 13 j 11:35 | 12°♓50'02 | 46°44'30   |
| evening rise        | -7269 Apr 18 j 20:36 | 12°♒12'15 |            |                     | -7267 Oct 29 j 13:37 | 0°♌       |            |
| asc. node           | -7269 Apr 18 j 14:27 | 11°♒53'16 |            |                     | -7267 Nov 24 j 22:08 | 0°♍       |            |
|                     | -7269 May 03 j 06:47 | 0°♑       |            |                     | -7267 Dec 20 j 11:01 | 0°♎       |            |
|                     | -7269 May 27 j 13:47 | 0°♒       |            |                     | -7266 Jan 14 j 17:13 | 0°♎       |            |
|                     | -7269 Jun 20 j 21:06 | 0°♒       |            | desc. node          | -7266 Jan 23 j 22:56 | 11°♎01'22 |            |
|                     | -7269 Jul 15 j 06:43 | 0°♓       |            |                     | -7266 Feb 08 j 19:27 | 0°♏       |            |
| desc. node          | -7269 Aug 08 j 22:09 | 0°♌01'16  |            |                     | -7266 Mar 05 j 17:10 | 0°♏       |            |
|                     | -7269 Aug 08 j 21:43 | 0°♌       |            |                     | -7266 Mar 30 j 09:32 | 0°♐       |            |
|                     | -7269 Sep 02 j 23:21 | 0°♍       |            | morning set         | -7266 Apr 14 j 01:53 | 17°♐58'48 |            |
|                     | -7269 Sep 28 j 23:00 | 0°♎       |            |                     | -7266 Apr 23 j 20:21 | 0°♒       |            |
| evening max el      | -7269 Oct 19 j 22:41 | 22°♎35'19 | 47°00'57   | max. Earth dist.    | -7266 May 15 j 03:59 | 26°♒22'16 | 1.72643 AU |
|                     | -7269 Oct 27 j 09:54 | 0°♏       |            | asc. node           | -7266 May 16 j 03:37 | 27°♒35'38 |            |
| greatest brilliancy | -7269 Nov 28 j 13:24 | 23°♏45'20 | -4.8m      |                     | -7266 May 18 j 02:06 | 0°♑       |            |
| asc. node           | -7269 Nov 29 j 08:13 | 24°♏03'36 |            |                     |                      |           |            |
| retrograde          | -7269 Dec 09 j 16:05 | 26°♏05'30 |            | superior conj       | -7266 May 19 j 16:00 | 1°♑57'45  | 0°08'14    |
| evening set         | -7269 Dec 25 j 16:29 | 20°♏54'57 |            | minimum elong       | -7266 May 19 j 14:24 | 1°♑52'45  | 0°08'07    |
| min. Earth dist.    | -7269 Dec 30 j 00:33 | 18°♏12'14 | 0.28754 AU | behind sun begin    | -7266 May 18 j 19:01 | 0°♑52'32  |            |
| inferior conj       | -7269 Dec 30 j 20:30 | 17°♏40'02 | 6°27'52    | behind sun end      | -7266 May 20 j 09:46 | 2°♑53'00  |            |
| minimum elong       | -7269 Dec 30 j 11:55 | 17°♏53'53 | 6°26'01    |                     | -7266 Jun 11 j 03:46 | 0°♒       |            |
| morning rise        | -7268 Jan 04 j 08:00 | 14°♏51'13 |            | evening rise        | -7266 Jun 24 j 21:46 | 17°♒12'25 |            |
| direct              | -7268 Jan 21 j 03:23 | 9°♏22'42  |            |                     | -7266 Jul 05 j 02:50 | 0°♒       |            |
| greatest brilliancy | -7268 Jan 29 j 21:55 | 10°♏48'12 | -4.7m      |                     | -7266 Jul 29 j 01:25 | 0°♓       |            |
|                     | -7268 Feb 28 j 20:52 | 0°♏       |            |                     | -7266 Aug 22 j 01:52 | 0°♌       |            |

|                     |                      |                                   |            |                     |                      |                                    |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|----------------------|------------------------------------|------------|
| desc. node          | -7266 Sep 05 j 10:14 | 17° $\Omega$ 49'34                |            | desc. node          | -7263 Jan 25 j 22:31 | 0° $\mathbb{M}$                    |            |
|                     | -7266 Sep 15 j 06:24 | 0° $\mathbb{M}$                   |            |                     | -7263 Feb 20 j 11:13 | 28° $\mathbb{M}$ 40'15             |            |
|                     | -7266 Oct 09 j 17:27 | 0° $\underline{\mathbb{M}}$       |            |                     | -7263 Feb 21 j 15:07 | 0° $\mathcal{A}$                   |            |
|                     | -7266 Nov 03 j 15:15 | 0° $\mathbb{M}$                   |            |                     | -7263 Mar 19 j 11:23 | 0° $\mathcal{B}$                   |            |
|                     | -7266 Nov 29 j 10:25 | 0° $\mathcal{A}$                  |            |                     | -7263 Apr 13 j 17:29 | 0° $\approx$                       |            |
| asc. node           | -7266 Dec 26 j 18:50 | 29° $\mathcal{A}$ 22'09           |            |                     | -7263 May 08 j 12:04 | 0° $\mathcal{H}$                   |            |
|                     | -7266 Dec 27 j 10:01 | 0° $\mathcal{B}$                  |            |                     | -7263 Jun 01 j 21:01 | 0° $\mathcal{Y}$                   |            |
| evening max el      | -7266 Dec 29 j 11:04 | 2° $\mathcal{B}$ 01'03            | 45°27'07   | asc. node           | -7263 Jun 12 j 16:47 | 13° $\mathcal{Y}$ 27'28            |            |
|                     | -7265 Feb 04 j 19:22 | 0° $\approx$                      |            | morning set         | -7263 Jun 20 j 14:27 | 23° $\mathcal{Y}$ 19'35            |            |
| greatest brilliancy | -7265 Feb 05 j 09:33 | 0° $\approx$ 13'33                | -4.7m      |                     | -7263 Jun 25 j 22:22 | 0° $\mathcal{B}$                   |            |
| retrograde          | -7265 Feb 16 j 03:46 | 2° $\approx$ 19'55                |            |                     | -7263 Jul 19 j 18:34 | 0° $\mathbb{I}$                    |            |
|                     | -7265 Feb 26 j 23:57 | 30° $\mathcal{R}$ $\mathcal{B}$   |            | max. Earth dist.    | -7263 Jul 27 j 10:35 | 9° $\mathbb{I}$ 40'40              | 1.70952 AU |
| evening set         | -7265 Mar 05 j 10:22 | 26° $\mathcal{B}$ 40'40           |            |                     |                      |                                    |            |
| inferior conj       | -7265 Mar 09 j 15:40 | 24° $\mathcal{B}$ 04'19           | 7°13'49    | superior conj       | -7263 Jul 28 j 16:01 | 11° $\mathbb{I}$ 13'34             | 1°20'14    |
| minimum elong       | -7265 Mar 09 j 22:44 | 23° $\mathcal{B}$ 53'10           | 7°12'30    | minimum elong       | -7263 Jul 28 j 10:40 | 10° $\mathbb{I}$ 56'42             | 1°20'37    |
| min. Earth dist.    | -7265 Mar 10 j 09:57 | 23° $\mathcal{B}$ 35'28           | 0.29472 AU |                     | -7263 Aug 12 j 12:38 | 0° $\mathcal{E}$                   |            |
| morning rise        | -7265 Mar 14 j 10:49 | 21° $\mathcal{B}$ 06'17           |            |                     | -7263 Sep 05 j 07:30 | 0° $\Omega$                        |            |
| direct              | -7265 Mar 31 j 13:18 | 15° $\mathcal{B}$ 33'47           |            | evening rise        | -7263 Sep 07 j 07:27 | 2° $\Omega$ 30'52                  |            |
| greatest brilliancy | -7265 Apr 11 j 04:58 | 17° $\mathcal{B}$ 34'46           | -4.7m      |                     | -7263 Sep 29 j 05:20 | 0° $\mathbb{M}$                    |            |
| desc. node          | -7265 Apr 18 j 07:25 | 20° $\mathcal{B}$ 49'05           |            | desc. node          | -7263 Oct 02 j 22:56 | 4° $\mathbb{M}$ 39'59              |            |
|                     | -7265 May 01 j 22:09 | 0° $\approx$                      |            |                     | -7263 Oct 23 j 07:20 | 0° $\underline{\mathbb{M}}$        |            |
| morning max el      | -7265 May 19 j 19:49 | 15° $\approx$ 48'59               | 46°07'10   |                     | -7263 Nov 16 j 14:23 | 0° $\mathbb{M}$                    |            |
|                     | -7265 Jun 02 j 20:20 | 0° $\mathcal{H}$                  |            |                     | -7263 Dec 11 j 04:30 | 0° $\mathcal{A}$                   |            |
|                     | -7265 Jun 29 j 22:41 | 0° $\mathcal{Y}$                  |            |                     | -7262 Jan 05 j 06:34 | 0° $\mathcal{B}$                   |            |
|                     | -7265 Jul 25 j 07:35 | 0° $\mathcal{B}$                  |            | asc. node           | -7262 Jan 23 j 05:49 | 20° $\mathcal{B}$ 53'01            |            |
| asc. node           | -7265 Aug 08 j 16:15 | 17° $\mathcal{B}$ 30'29           |            |                     | -7262 Jan 31 j 06:50 | 0° $\approx$                       |            |
|                     | -7265 Aug 18 j 19:05 | 0° $\mathbb{I}$                   |            |                     | -7262 Feb 28 j 05:13 | 0° $\mathcal{H}$                   |            |
|                     | -7265 Sep 11 j 19:43 | 0° $\mathcal{E}$                  |            | evening max el      | -7262 Mar 10 j 15:51 | 10° $\mathcal{H}$ 14'44            | 45°02'57   |
|                     | -7265 Oct 05 j 16:49 | 0° $\Omega$                       |            |                     | -7262 Apr 03 j 14:37 | 0° $\mathcal{Y}$                   |            |
|                     | -7265 Oct 29 j 15:22 | 0° $\mathbb{M}$                   |            | greatest brilliancy | -7262 Apr 17 j 12:00 | 7° $\mathcal{Y}$ 13'36             | -4.7m      |
| morning set         | -7265 Nov 22 j 06:56 | 29° $\mathbb{M}$ 26'49            |            | retrograde          | -7262 Apr 27 j 19:17 | 9° $\mathcal{Y}$ 05'29             |            |
|                     | -7265 Nov 22 j 17:38 | 0° $\underline{\mathbb{M}}$       |            | evening set         | -7262 May 12 j 11:24 | 5° $\mathcal{Y}$ 02'45             |            |
| desc. node          | -7265 Nov 28 j 23:03 | 7° $\underline{\mathbb{M}}$ 43'14 |            | desc. node          | -7262 May 15 j 17:59 | 3° $\mathcal{Y}$ 13'43             |            |
|                     | -7265 Dec 16 j 23:33 | 0° $\mathbb{M}$                   |            | inferior conj       | -7262 May 18 j 23:01 | 1° $\mathcal{Y}$ 18'39             | -0°45'25   |
| superior conj       | -7264 Jan 02 j 04:19 | 19° $\mathbb{M}$ 58'12            | -1°06'49   | minimum elong       | -7262 May 18 j 21:19 | 1° $\mathcal{Y}$ 21'13             | 0°44'57    |
| minimum elong       | -7264 Jan 01 j 18:57 | 19° $\mathbb{M}$ 29'23            | 1°06'53    | min. Earth dist.    | -7262 May 19 j 16:31 | 0° $\mathcal{Y}$ 52'10             | 0.27928 AU |
| max. Earth dist.    | -7264 Jan 04 j 05:21 | 22° $\mathbb{M}$ 29'07            | 1.73178 AU |                     | -7262 May 21 j 03:10 | 30° $\mathcal{R}$ $\mathcal{H}$    |            |
|                     | -7264 Jan 10 j 07:55 | 0° $\mathcal{A}$                  |            | morning rise        | -7262 May 25 j 06:22 | 27° $\mathcal{H}$ 38'23            |            |
|                     | -7264 Jan 10 j 07:55 | 0° $\mathcal{A}$                  |            | direct              | -7262 Jun 09 j 10:50 | 23° $\mathcal{H}$ 16'46            |            |
|                     | -7264 Feb 03 j 17:43 | 0° $\mathcal{B}$                  |            | greatest brilliancy | -7262 Jun 20 j 19:26 | 25° $\mathcal{H}$ 37'06            | -4.8m      |
| evening rise        | -7264 Feb 08 j 23:48 | 6° $\mathcal{B}$ 26'48            |            |                     | -7262 Jun 29 j 10:44 | 0° $\mathcal{Y}$                   |            |
| greatest brilliancy | -7264 Feb 20 j 16:55 | 20° $\mathcal{B}$ 48'34           | -3.9m      | morning max el      | -7262 Jul 29 j 16:28 | 25° $\mathcal{Y}$ 26'17            | 46°39'05   |
|                     | -7264 Feb 28 j 05:00 | 0° $\approx$                      |            |                     | -7262 Aug 03 j 03:48 | 0° $\mathcal{B}$                   |            |
| asc. node           | -7264 Mar 20 j 03:47 | 25° $\approx$ 35'24               |            |                     | -7262 Aug 30 j 07:47 | 0° $\mathbb{I}$                    |            |
|                     | -7264 Mar 23 j 18:38 | 0° $\mathcal{H}$                  |            | asc. node           | -7262 Sep 05 j 04:19 | 6° $\mathbb{I}$ 49'28              |            |
|                     | -7264 Apr 17 j 11:43 | 0° $\mathcal{Y}$                  |            |                     | -7262 Sep 24 j 14:18 | 0° $\mathcal{E}$                   |            |
|                     | -7264 May 12 j 09:40 | 0° $\mathcal{B}$                  |            |                     | -7262 Oct 19 j 03:50 | 0° $\Omega$                        |            |
|                     | -7264 Jun 06 j 15:15 | 0° $\mathbb{I}$                   |            |                     | -7262 Nov 12 j 12:46 | 0° $\mathbb{M}$                    |            |
|                     | -7264 Jul 02 j 11:20 | 0° $\mathcal{E}$                  |            |                     | -7262 Dec 06 j 22:43 | 0° $\underline{\mathbb{M}}$        |            |
| desc. node          | -7264 Jul 10 j 12:58 | 9° $\mathcal{E}$ 07'07            |            | desc. node          | -7262 Dec 26 j 12:18 | 23° $\underline{\mathbb{M}}$ 57'21 |            |
|                     | -7264 Jul 29 j 16:52 | 0° $\Omega$                       |            |                     | -7262 Dec 31 j 10:59 | 0° $\mathbb{M}$                    |            |
| evening max el      | -7264 Aug 06 j 07:51 | 7° $\Omega$ 51'32                 | 47°41'19   |                     | -7261 Jan 25 j 00:24 | 0° $\mathcal{A}$                   |            |
|                     | -7264 Aug 30 j 22:01 | 0° $\mathbb{M}$                   |            | morning set         | -7261 Feb 03 j 14:00 | 11° $\mathcal{A}$ 41'22            |            |
| greatest brilliancy | -7264 Sep 16 j 17:15 | 9° $\mathbb{M}$ 40'07             | -4.9m      |                     | -7261 Feb 18 j 13:14 | 0° $\mathcal{B}$                   |            |
| retrograde          | -7264 Sep 26 j 08:51 | 11° $\mathbb{M}$ 28'20            |            | max. Earth dist.    | -7261 Mar 10 j 03:12 | 24° $\mathcal{B}$ 00'14            | 1.73752 AU |
| evening set         | -7264 Oct 11 j 13:53 | 6° $\mathbb{M}$ 47'46             |            |                     |                      |                                    |            |
| min. Earth dist.    | -7264 Oct 16 j 13:47 | 3° $\mathbb{M}$ 47'05             | 0.26778 AU | superior conj       | -7261 Mar 12 j 02:48 | 26° $\mathcal{B}$ 26'17            | -1°10'26   |
| inferior conj       | -7264 Oct 17 j 01:09 | 3° $\mathbb{M}$ 29'21             | -3°25'31   | minimum elong       | -7261 Mar 12 j 10:02 | 26° $\mathcal{B}$ 48'28            | 1°10'43    |
| minimum elong       | -7264 Oct 17 j 08:12 | 3° $\mathbb{M}$ 18'22             | 3°23'11    |                     | -7261 Mar 15 j 00:25 | 0° $\approx$                       |            |
|                     | -7264 Oct 22 j 21:29 | 30° $\mathcal{R}$ $\Omega$        |            |                     | -7261 Apr 08 j 09:48 | 0° $\mathcal{H}$                   |            |
| morning rise        | -7264 Oct 23 j 03:04 | 29° $\Omega$ 52'24                |            | evening rise        | -7261 Apr 16 j 16:16 | 10° $\mathcal{H}$ 11'20            |            |
| asc. node           | -7264 Oct 30 j 23:46 | 26° $\Omega$ 36'51                |            | asc. node           | -7261 Apr 17 j 16:36 | 11° $\mathcal{H}$ 26'17            |            |
| direct              | -7264 Nov 06 j 07:26 | 25° $\Omega$ 46'25                |            |                     | -7261 May 02 j 17:47 | 0° $\mathcal{Y}$                   |            |
| greatest brilliancy | -7264 Nov 15 j 21:44 | 27° $\Omega$ 32'17                | -4.9m      |                     | -7261 May 27 j 01:03 | 0° $\mathcal{B}$                   |            |
|                     | -7264 Nov 21 j 13:40 | 0° $\mathbb{M}$                   |            |                     | -7261 Jun 20 j 08:47 | 0° $\mathbb{I}$                    |            |
| morning max el      | -7264 Dec 25 j 23:02 | 27° $\mathbb{M}$ 29'41            | 46°14'30   |                     | -7261 Jul 14 j 18:57 | 0° $\mathcal{E}$                   |            |
|                     | -7264 Dec 28 j 11:57 | 0° $\underline{\mathbb{M}}$       |            | desc. node          | -7261 Aug 08 j 00:24 | 29° $\mathcal{E}$ 28'43            |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 29

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
|                     | -7261 Aug 08 j 10:45 | 0°♌       |            |                     |  | -7258 Mar 29 j 20:23 | 0°♏       |            |
|                     | -7261 Sep 02 j 13:41 | 0°♍       |            | morning set         |  | -7258 Apr 11 j 21:10 | 15°♏57'32 |            |
|                     | -7261 Sep 28 j 15:59 | 0°♎       |            |                     |  | -7258 Apr 23 j 07:06 | 0°♐       |            |
| evening max el      | -7261 Oct 17 j 14:21 | 20°♎17'43 | 47°03'55   | max. Earth dist.    |  | -7258 May 13 j 01:25 | 24°♐26'25 | 1.72703 AU |
|                     | -7261 Oct 27 j 11:09 | 0°♏       |            | asc. node           |  | -7258 May 15 j 05:41 | 27°♐08'38 |            |
| greatest brilliancy | -7261 Nov 26 j 07:40 | 21°♏33'53 | -4.8m      |                     |  |                      |           |            |
| asc. node           | -7261 Nov 28 j 10:24 | 22°♏20'21 |            | superior conj       |  | -7258 May 17 j 10:27 | 29°♐52'30 | 0°05'10    |
| retrograde          | -7261 Dec 07 j 08:38 | 23°♏52'39 |            | minimum elong       |  | -7258 May 17 j 09:28 | 29°♐49'24 | 0°05'03    |
| evening set         | -7261 Dec 23 j 06:47 | 18°♏46'21 |            | behind sun begin    |  | -7258 May 16 j 12:12 | 28°♐43'23 |            |
| min. Earth dist.    | -7261 Dec 27 j 16:45 | 16°♏00'50 | 0.28683 AU | behind sun end      |  | -7258 May 18 j 06:43 | 0°♑55'26  |            |
| inferior conj       | -7261 Dec 28 j 13:08 | 15°♏27'56 | 6°16'04    |                     |  | -7258 May 17 j 12:52 | 0°♑       |            |
| minimum elong       | -7261 Dec 28 j 04:26 | 15°♏41'59 | 6°14'07    |                     |  | -7258 Jun 10 j 14:39 | 0°♒       |            |
| morning rise        | -7260 Jan 02 j 02:42 | 12°♏35'48 |            | evening rise        |  | -7258 Jun 22 j 14:28 | 15°♒00'04 |            |
| direct              | -7260 Jan 18 j 18:55 | 7°♏11'51  |            |                     |  | -7258 Jul 04 j 13:55 | 0°♓       |            |
| greatest brilliancy | -7260 Jan 27 j 13:26 | 8°♏37'05  | -4.7m      |                     |  | -7258 Jul 28 j 12:44 | 0°♓       |            |
|                     | -7260 Feb 28 j 23:53 | 0°♑       |            |                     |  | -7258 Aug 21 j 13:27 | 0°♌       |            |
| morning max el      | -7260 Mar 07 j 10:58 | 6°♑51'47  | 45°53'00   | desc. node          |  | -7258 Sep 04 j 12:26 | 17°♌19'54 |            |
| desc. node          | -7260 Mar 19 j 22:47 | 19°♑10'49 |            |                     |  | -7258 Sep 14 j 18:20 | 0°♍       |            |
|                     | -7260 Mar 30 j 07:49 | 0°♒       |            |                     |  | -7258 Oct 09 j 05:52 | 0°♎       |            |
|                     | -7260 Apr 26 j 11:15 | 0°♓       |            |                     |  | -7258 Nov 03 j 04:33 | 0°♏       |            |
|                     | -7260 May 22 j 05:14 | 0°♐       |            |                     |  | -7258 Nov 29 j 01:39 | 0°♑       |            |
|                     | -7260 Jun 16 j 02:44 | 0°♑       |            | asc. node           |  | -7258 Dec 25 j 21:03 | 28°♑36'17 |            |
| asc. node           | -7260 Jul 10 j 05:51 | 29°♑46'22 |            | evening max el      |  | -7258 Dec 27 j 03:03 | 29°♑50'13 | 45°29'39   |
|                     | -7260 Jul 10 j 10:14 | 0°♒       |            |                     |  | -7258 Dec 27 j 07:02 | 0°♒       |            |
| greatest brilliancy | -7260 Jul 29 j 10:16 | 23°♒47'26 | -3.9m      | greatest brilliancy |  | -7257 Feb 03 j 01:15 | 28°♒06'30 | -4.7m      |
|                     | -7260 Aug 03 j 08:37 | 0°♓       |            |                     |  | -7257 Feb 10 j 07:48 | 0°♓       |            |
|                     | -7260 Aug 27 j 02:27 | 0°♓       |            | retrograde          |  | -7257 Feb 13 j 21:26 | 0°♓14'43  |            |
| morning set         | -7260 Sep 02 j 04:33 | 7°♓42'15  |            |                     |  | -7257 Feb 17 j 09:34 | 30°♒      |            |
|                     | -7260 Sep 19 j 19:53 | 0°♌       |            | evening set         |  | -7257 Mar 03 j 05:21 | 24°♒31'51 |            |
|                     |                      |           |            | inferior conj       |  | -7257 Mar 07 j 08:51 | 21°♒57'59 | 7°21'44    |
| superior conj       | -7260 Oct 13 j 23:02 | 0°♍22'08  | 0°36'45    | minimum elong       |  | -7257 Mar 07 j 15:30 | 21°♒47'29 | 7°20'30    |
| minimum elong       | -7260 Oct 14 j 08:21 | 0°♍51'21  | 0°36'38    | min. Earth dist.    |  | -7257 Mar 08 j 01:47 | 21°♒31'16 | 0.29499 AU |
|                     | -7260 Oct 13 j 15:58 | 0°♎       |            | morning rise        |  | -7257 Mar 12 j 01:28 | 19°♒03'48 |            |
| max. Earth dist.    | -7260 Oct 20 j 07:22 | 8°♎19'17  | 1.71381 AU | direct              |  | -7257 Mar 29 j 06:43 | 13°♒27'05 |            |
| desc. node          | -7260 Oct 30 j 11:55 | 21°♎03'26 |            | greatest brilliancy |  | -7257 Apr 08 j 20:23 | 15°♒26'49 | -4.7m      |
|                     | -7260 Nov 06 j 16:03 | 0°♏       |            | desc. node          |  | -7257 Apr 17 j 09:28 | 19°♒28'40 |            |
| evening rise        | -7260 Nov 25 j 14:20 | 23°♏30'31 |            |                     |  | -7257 May 02 j 06:40 | 0°♓       |            |
|                     | -7260 Nov 30 j 20:09 | 0°♏       |            | morning max el      |  | -7257 May 17 j 13:12 | 13°♓42'04 | 46°06'09   |
|                     | -7260 Dec 25 j 03:56 | 0°♑       |            |                     |  | -7257 Jun 02 j 14:09 | 0°♐       |            |
|                     | -7259 Jan 18 j 16:08 | 0°♒       |            |                     |  | -7257 Jun 29 j 13:01 | 0°♑       |            |
|                     | -7259 Feb 12 j 11:05 | 0°♓       |            |                     |  | -7257 Jul 24 j 20:27 | 0°♒       |            |
| asc. node           | -7259 Feb 19 j 17:39 | 8°♓42'37  |            | asc. node           |  | -7257 Aug 07 j 18:31 | 16°♒59'26 |            |
|                     | -7259 Mar 09 j 16:39 | 0°♐       |            |                     |  | -7257 Aug 18 j 07:14 | 0°♓       |            |
|                     | -7259 Apr 04 j 14:44 | 0°♑       |            |                     |  | -7257 Sep 11 j 07:27 | 0°♓       |            |
|                     | -7259 May 01 j 17:44 | 0°♒       |            |                     |  | -7257 Oct 05 j 04:19 | 0°♌       |            |
| evening max el      | -7259 May 22 j 05:46 | 20°♒58'26 | 46°15'58   |                     |  | -7257 Oct 29 j 02:40 | 0°♍       |            |
|                     | -7259 May 31 j 22:12 | 0°♓       |            | morning set         |  | -7257 Nov 19 j 17:51 | 26°♍57'11 |            |
| desc. node          | -7259 Jun 12 j 04:35 | 9°♓20'21  |            |                     |  | -7257 Nov 22 j 04:45 | 0°♎       |            |
| greatest brilliancy | -7259 Jul 01 j 18:26 | 20°♓30'30 | -4.9m      | desc. node          |  | -7257 Nov 28 j 01:11 | 7°♎15'30  |            |
| retrograde          | -7259 Jul 11 j 01:09 | 22°♓05'54 |            |                     |  | -7257 Dec 16 j 10:30 | 0°♏       |            |
| evening set         | -7259 Jul 28 j 13:58 | 16°♓23'23 |            |                     |  |                      |           |            |
| inferior conj       | -7259 Jul 31 j 20:05 | 14°♓27'27 | -8°47'37   | superior conj       |  | -7257 Dec 30 j 18:39 | 17°♏41'02 | -1°04'47   |
| minimum elong       | -7259 Jul 31 j 15:53 | 14°♓33'47 | 8°46'54    | minimum elong       |  | -7257 Dec 30 j 08:59 | 17°♏11'14 | 1°04'50    |
| min. Earth dist.    | -7259 Jul 31 j 19:19 | 14°♓28'36 | 0.26751 AU | max. Earth dist.    |  | -7256 Jan 02 j 00:00 | 20°♏25'21 | 1.73134 AU |
| morning rise        | -7259 Aug 03 j 17:42 | 12°♓43'39 |            |                     |  | -7256 Jan 09 j 18:45 | 0°♑       |            |
| direct              | -7259 Aug 21 j 07:15 | 6°♓51'29  |            |                     |  | -7256 Feb 03 j 04:33 | 0°♒       |            |
| greatest brilliancy | -7259 Aug 31 j 21:39 | 8°♓58'16  | -4.9m      | evening rise        |  | -7256 Feb 06 j 17:29 | 4°♒20'35  |            |
|                     | -7259 Sep 30 j 11:17 | 0°♓       |            | greatest brilliancy |  | -7256 Feb 19 j 08:06 | 19°♒48'08 | -3.9m      |
| asc. node           | -7259 Oct 02 j 15:20 | 2°♓03'10  |            |                     |  | -7256 Feb 27 j 15:57 | 0°♓       |            |
| morning max el      | -7259 Oct 11 j 00:24 | 10°♓21'44 | 46°45'16   | asc. node           |  | -7256 Mar 19 j 05:53 | 25°♓07'46 |            |
|                     | -7259 Oct 29 j 07:39 | 0°♌       |            |                     |  | -7256 Mar 23 j 05:52 | 0°♐       |            |
|                     | -7259 Nov 24 j 12:51 | 0°♍       |            |                     |  | -7256 Apr 16 j 23:26 | 0°♑       |            |
|                     | -7259 Dec 20 j 00:08 | 0°♎       |            |                     |  | -7256 May 11 j 22:09 | 0°♒       |            |
|                     | -7258 Jan 14 j 05:24 | 0°♏       |            |                     |  | -7256 Jun 06 j 04:59 | 0°♓       |            |
| desc. node          | -7258 Jan 23 j 01:09 | 10°♏32'24 |            |                     |  | -7256 Jul 02 j 03:18 | 0°♓       |            |
|                     | -7258 Feb 08 j 07:00 | 0°♑       |            | desc. node          |  | -7256 Jul 09 j 15:15 | 8°♓26'03  |            |
|                     | -7258 Mar 05 j 04:18 | 0°♒       |            |                     |  | -7256 Jul 29 j 13:56 | 0°♌       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 30

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|--|
| evening max el      | -7256 Aug 03 j 23:15 | 5°Ω30'53  | 47°40'09   |                     |  | -7253 Jan 24 j 11:34 | 0°♄       |            |  |
|                     | -7256 Aug 31 j 21:02 | 0°♍       |            | morning set         |  | -7253 Feb 01 j 06:28 | 9°♂31'10  |            |  |
| greatest brilliancy | -7256 Sep 14 j 07:24 | 7°♍12'52  | -4.9m      |                     |  | -7253 Feb 18 j 00:13 | 0°♄       |            |  |
| retrograde          | -7256 Sep 23 j 22:51 | 9°♍00'24  |            | max. Earth dist.    |  | -7253 Mar 07 j 23:37 | 22°♄02'11 | 1.73756 AU |  |
| evening set         | -7256 Oct 09 j 05:36 | 4°♍17'03  |            |                     |  |                      |           |            |  |
| min. Earth dist.    | -7256 Oct 14 j 03:28 | 1°♍19'15  | 0.26742 AU | superior conj       |  | -7253 Mar 09 j 21:56 | 24°♄24'15 | -1°11'55   |  |
| inferior conj       | -7256 Oct 14 j 14:20 | 1°♍02'20  | -3°47'18   | minimum elong       |  | -7253 Mar 10 j 04:52 | 24°♄45'32 | 1°12'13    |  |
| minimum elong       | -7256 Oct 14 j 22:01 | 0°♍50'22  | 3°44'47    |                     |  | -7253 Mar 14 j 11:19 | 0°♍       |            |  |
|                     | -7256 Oct 16 j 06:34 | 30°♋Ω     |            |                     |  | -7253 Apr 07 j 20:45 | 0°♋       |            |  |
| morning rise        | -7256 Oct 20 j 15:01 | 27°Ω27'34 |            | evening rise        |  | -7253 Apr 14 j 12:02 | 8°♋10'26  |            |  |
| asc. node           | -7256 Oct 30 j 01:58 | 23°Ω49'21 |            | asc. node           |  | -7253 Apr 16 j 18:41 | 10°♋58'49 |            |  |
| direct              | -7256 Nov 03 j 20:56 | 23°Ω20'26 |            |                     |  | -7253 May 02 j 04:55 | 0°♋       |            |  |
| greatest brilliancy | -7256 Nov 13 j 11:03 | 25°Ω06'40 | -4.9m      |                     |  | -7253 May 26 j 12:32 | 0°♋       |            |  |
|                     | -7256 Nov 23 j 09:39 | 0°♍       |            |                     |  | -7253 Jun 19 j 20:43 | 0°♍       |            |  |
| morning max el      | -7256 Dec 23 j 13:53 | 25°♍11'48 | 46°15'42   |                     |  | -7253 Jul 14 j 07:28 | 0°♍       |            |  |
|                     | -7256 Dec 28 j 09:40 | 0°♎       |            | desc. node          |  | -7253 Aug 07 j 02:34 | 28°♍55'09 |            |  |
|                     | -7255 Jan 25 j 14:17 | 0°♍       |            |                     |  | -7253 Aug 08 j 00:05 | 0°Ω       |            |  |
| desc. node          | -7255 Feb 19 j 13:26 | 28°♍07'58 |            |                     |  | -7253 Sep 02 j 04:23 | 0°♍       |            |  |
|                     | -7255 Feb 21 j 04:32 | 0°♄       |            |                     |  | -7253 Sep 28 j 09:33 | 0°♎       |            |  |
|                     | -7255 Mar 18 j 23:37 | 0°♄       |            | evening max el      |  | -7253 Oct 15 j 04:52 | 17°♎56'28 | 47°06'53   |  |
|                     | -7255 Apr 13 j 05:05 | 0°♍       |            |                     |  | -7253 Oct 27 j 14:06 | 0°♍       |            |  |
|                     | -7255 May 07 j 23:18 | 0°♋       |            | greatest brilliancy |  | -7253 Nov 24 j 01:41 | 19°♍20'54 | -4.8m      |  |
|                     | -7255 Jun 01 j 08:05 | 0°♋       |            | asc. node           |  | -7253 Nov 27 j 12:41 | 20°♍32'16 |            |  |
| asc. node           | -7255 Jun 11 j 19:00 | 13°♋00'00 |            | retrograde          |  | -7253 Dec 05 j 00:58 | 21°♍38'38 |            |  |
| morning set         | -7255 Jun 18 j 06:48 | 21°♋06'15 |            | evening set         |  | -7253 Dec 20 j 20:55 | 16°♍36'09 |            |  |
|                     | -7255 Jun 25 j 09:22 | 0°♋       |            | min. Earth dist.    |  | -7253 Dec 25 j 08:59 | 13°♍47'48 | 0.28613 AU |  |
|                     | -7255 Jul 19 j 05:36 | 0°♍       |            | inferior conj       |  | -7253 Dec 26 j 05:37 | 13°♍14'31 | 6°03'28    |  |
| max. Earth dist.    | -7255 Jul 24 j 14:50 | 6°♍47'40  | 1.70989 AU | minimum elong       |  | -7253 Dec 25 j 20:49 | 13°♍28'42 | 6°01'27    |  |
|                     |                      |           |            | morning rise        |  | -7253 Dec 30 j 21:19 | 10°♍19'04 |            |  |
| superior conj       | -7255 Jul 26 j 05:24 | 8°♍49'23  | 1°19'11    | direct              |  | -7252 Jan 16 j 09:55 | 4°♍59'25  |            |  |
| minimum elong       | -7255 Jul 25 j 23:23 | 8°♍30'23  | 1°19'32    | greatest brilliancy |  | -7252 Jan 25 j 05:19 | 6°♍25'06  | -4.7m      |  |
|                     | -7255 Aug 11 j 23:47 | 0°♍       |            |                     |  | -7252 Feb 29 j 01:49 | 0°♄       |            |  |
| evening rise        | -7255 Sep 04 j 16:00 | 29°♍51'19 |            | morning max el      |  | -7252 Mar 05 j 01:44 | 4°♄38'41  | 45°53'20   |  |
|                     | -7255 Sep 04 j 18:46 | 0°Ω       |            | desc. node          |  | -7252 Mar 19 j 00:47 | 18°♄27'56 |            |  |
|                     | -7255 Sep 28 j 16:44 | 0°♍       |            |                     |  | -7252 Mar 30 j 00:33 | 0°♄       |            |  |
| desc. node          | -7255 Oct 02 j 00:55 | 4°♍10'31  |            |                     |  | -7252 Apr 26 j 01:06 | 0°♍       |            |  |
|                     | -7255 Oct 22 j 18:52 | 0°♎       |            |                     |  | -7252 May 21 j 17:48 | 0°♋       |            |  |
|                     | -7255 Nov 16 j 02:08 | 0°♍       |            |                     |  | -7252 Jun 15 j 14:40 | 0°♋       |            |  |
|                     | -7255 Dec 10 j 16:39 | 0°♄       |            | asc. node           |  | -7252 Jul 09 j 08:04 | 29°♋17'04 |            |  |
|                     | -7254 Jan 04 j 19:32 | 0°♄       |            |                     |  | -7252 Jul 09 j 21:52 | 0°♋       |            |  |
| asc. node           | -7254 Jan 22 j 08:09 | 20°♄19'42 |            | greatest brilliancy |  | -7252 Jul 30 j 10:38 | 25°♋43'24 | -3.9m      |  |
|                     | -7254 Jan 30 j 21:36 | 0°♍       |            |                     |  | -7252 Aug 02 j 20:07 | 0°♍       |            |  |
|                     | -7254 Feb 28 j 00:55 | 0°♋       |            |                     |  | -7252 Aug 26 j 13:53 | 0°♍       |            |  |
| evening max el      | -7254 Mar 08 j 06:41 | 8°♋01'49  | 45°01'55   | morning set         |  | -7252 Aug 30 j 15:09 | 5°♍07'45  |            |  |
|                     | -7254 Apr 04 j 17:27 | 0°♋       |            |                     |  | -7252 Sep 19 j 07:17 | 0°Ω       |            |  |
| greatest brilliancy | -7254 Apr 15 j 02:32 | 5°♋00'00  | -4.7m      |                     |  |                      |           |            |  |
| retrograde          | -7254 Apr 25 j 08:50 | 6°♋51'14  |            | superior conj       |  | -7252 Oct 11 j 07:22 | 27°Ω42'03 | 0°40'19    |  |
| evening set         | -7254 May 10 j 02:24 | 2°♋47'36  |            | minimum elong       |  | -7252 Oct 11 j 17:21 | 28°Ω13'22 | 0°40'11    |  |
| desc. node          | -7254 May 14 j 20:14 | 0°♋06'18  |            |                     |  | -7252 Oct 13 j 03:21 | 0°♍       |            |  |
|                     | -7254 May 15 j 00:26 | 30°♋♋     |            | max. Earth dist.    |  | -7252 Oct 17 j 11:58 | 5°♍27'48  | 1.71323 AU |  |
| inferior conj       | -7254 May 16 j 13:36 | 29°♋03'49 | -0°24'20   | desc. node          |  | -7252 Oct 29 j 14:02 | 20°♍34'33 |            |  |
| minimum elong       | -7254 May 16 j 12:41 | 29°♋05'12 | 0°24'08    |                     |  | -7252 Nov 06 j 03:26 | 0°♎       |            |  |
| min. Earth dist.    | -7254 May 17 j 08:14 | 28°♋35'32 | 0.27987 AU | evening rise        |  | -7252 Nov 23 j 01:00 | 20°♎59'40 |            |  |
| morning rise        | -7254 May 22 j 22:00 | 25°♋21'26 |            |                     |  | -7252 Nov 30 j 07:31 | 0°♍       |            |  |
| direct              | -7254 Jun 07 j 01:51 | 21°♋00'41 |            |                     |  | -7252 Dec 24 j 15:22 | 0°♄       |            |  |
| greatest brilliancy | -7254 Jun 18 j 11:13 | 23°♋21'03 | -4.8m      |                     |  | -7251 Jan 18 j 03:46 | 0°♄       |            |  |
|                     | -7254 Jun 30 j 14:52 | 0°♋       |            |                     |  | -7251 Feb 11 j 23:10 | 0°♍       |            |  |
| morning max el      | -7254 Jul 27 j 05:40 | 23°♋02'20 | 46°38'10   | asc. node           |  | -7251 Feb 18 j 19:45 | 8°♍12'16  |            |  |
|                     | -7254 Aug 03 j 00:27 | 0°♋       |            |                     |  | -7251 Mar 09 j 05:37 | 0°♋       |            |  |
|                     | -7254 Aug 29 j 23:29 | 0°♍       |            |                     |  | -7251 Apr 04 j 05:24 | 0°♋       |            |  |
| asc. node           | -7254 Sep 04 j 06:27 | 6°♍11'17  |            |                     |  | -7251 May 01 j 12:07 | 0°♋       |            |  |
|                     | -7254 Sep 24 j 04:05 | 0°♍       |            | evening max el      |  | -7251 May 19 j 18:13 | 18°♋34'01 | 46°12'31   |  |
|                     | -7254 Oct 18 j 16:37 | 0°Ω       |            |                     |  | -7251 Jun 01 j 04:59 | 0°♍       |            |  |
|                     | -7254 Nov 12 j 00:57 | 0°♍       |            | desc. node          |  | -7251 Jun 11 j 06:48 | 8°♍04'39  |            |  |
|                     | -7254 Dec 06 j 10:28 | 0°♎       |            | greatest brilliancy |  | -7251 Jun 29 j 04:49 | 18°♍00'40 | -4.9m      |  |
| desc. node          | -7254 Dec 25 j 14:27 | 23°♎28'45 |            | retrograde          |  | -7251 Jul 08 j 13:10 | 19°♍37'29 |            |  |
|                     | -7254 Dec 30 j 22:25 | 0°♍       |            | evening set         |  | -7251 Jul 25 j 22:22 | 13°♍59'44 |            |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 31

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                         |            |                     |                      |                                 |            |
|---------------------|----------------------|-------------------------|------------|---------------------|----------------------|---------------------------------|------------|
| inferior conj       | -7251 Jul 29 j 08:07 | 11° $\Pi$ 58'52         | -8°41'55   | max. Earth dist.    | -7249 Dec 30 j 19:26 | 18° $\mathbb{M}$ 22'40          | 1.73086 AU |
| minimum elong       | -7251 Jul 29 j 03:03 | 12° $\Pi$ 06'29         | 8°41'05    |                     | -7248 Jan 09 j 05:57 | 0° $\mathcal{X}$                |            |
| min. Earth dist.    | -7251 Jul 29 j 07:20 | 12° $\Pi$ 00'04         | 0.26778 AU |                     | -7248 Feb 02 j 15:44 | 0° $\mathcal{Z}$                |            |
| morning rise        | -7251 Aug 01 j 07:38 | 10° $\Pi$ 12'37         |            | evening rise        | -7248 Feb 04 j 10:36 | 2° $\mathcal{Z}$ 11'31          |            |
| direct              | -7251 Aug 18 j 20:04 | 4° $\Pi$ 22'13          |            | greatest brilliancy | -7248 Feb 18 j 01:36 | 18° $\mathcal{Z}$ 53'49         | -3.9m      |
| greatest brilliancy | -7251 Aug 29 j 11:15 | 6° $\Pi$ 30'05          | -4.9m      |                     | -7248 Feb 27 j 03:15 | 0° $\approx$                    |            |
|                     | -7251 Sep 30 j 15:09 | 0° $\mathcal{E}$        |            | asc. node           | -7248 Mar 18 j 08:00 | 24° $\approx$ 39'09             |            |
| asc. node           | -7251 Oct 01 j 17:31 | 1° $\mathcal{E}$ 03'39  |            |                     | -7248 Mar 22 j 17:27 | 0° $\mathcal{H}$                |            |
| morning max el      | -7251 Oct 08 j 14:06 | 7° $\mathcal{E}$ 54'25  | 46°45'51   |                     | -7248 Apr 16 j 11:32 | 0° $\mathcal{Y}$                |            |
|                     | -7251 Oct 29 j 01:47 | 0° $\mathcal{Q}$        |            |                     | -7248 May 11 j 11:03 | 0° $\mathcal{B}$                |            |
|                     | -7251 Nov 24 j 03:50 | 0° $\mathbb{M}$         |            |                     | -7248 Jun 05 j 19:10 | 0° $\Pi$                        |            |
|                     | -7251 Dec 19 j 13:35 | 0° $\mathcal{L}$        |            |                     | -7248 Jul 01 j 19:48 | 0° $\mathcal{E}$                |            |
|                     | -7250 Jan 13 j 17:54 | 0° $\mathbb{M}$         |            | desc. node          | -7248 Jul 08 j 17:26 | 7° $\mathcal{E}$ 43'35          |            |
| desc. node          | -7250 Jan 22 j 03:16 | 10° $\mathbb{M}$ 02'06  |            |                     | -7248 Jul 29 j 11:56 | 0° $\mathcal{Q}$                |            |
|                     | -7250 Feb 07 j 18:53 | 0° $\mathcal{X}$        |            | evening max el      | -7248 Aug 01 j 14:30 | 3° $\mathcal{Q}$ 09'20          | 47°38'54   |
|                     | -7250 Mar 04 j 15:46 | 0° $\mathcal{Z}$        |            |                     | -7248 Sep 02 j 04:57 | 0° $\mathbb{M}$                 |            |
|                     | -7250 Mar 29 j 07:37 | 0° $\approx$            |            | greatest brilliancy | -7248 Sep 11 j 21:42 | 4° $\mathbb{M}$ 45'32           | -4.9m      |
| morning set         | -7250 Apr 09 j 16:31 | 13° $\approx$ 55'19     |            | retrograde          | -7248 Sep 21 j 12:28 | 6° $\mathbb{M}$ 31'56           |            |
|                     | -7250 Apr 22 j 18:13 | 0° $\mathcal{H}$        |            | evening set         | -7248 Oct 06 j 21:29 | 1° $\mathbb{M}$ 45'54           |            |
| max. Earth dist.    | -7250 May 10 j 22:22 | 22° $\mathcal{H}$ 28'08 | 1.72756 AU |                     | -7248 Oct 09 j 20:41 | 30° $\mathcal{R}$ $\mathcal{Q}$ |            |
| asc. node           | -7250 May 14 j 07:57 | 26° $\mathcal{H}$ 41'10 |            | min. Earth dist.    | -7248 Oct 11 j 17:16 | 28° $\mathcal{Q}$ 50'55         | 0.26709 AU |
|                     |                      |                         |            | inferior conj       | -7248 Oct 12 j 03:33 | 28° $\mathcal{Q}$ 34'55         | -4°08'32   |
| superior conj       | -7250 May 15 j 05:08 | 27° $\mathcal{H}$ 46'56 | 0°02'05    | minimum elong       | -7248 Oct 12 j 11:48 | 28° $\mathcal{Q}$ 22'04         | 4°05'53    |
| minimum elong       | -7250 May 15 j 04:43 | 27° $\mathcal{H}$ 45'39 | 0°02'00    | morning rise        | -7248 Oct 18 j 02:43 | 25° $\mathcal{Q}$ 02'25         |            |
| behind sun begin    | -7250 May 14 j 06:41 | 26° $\mathcal{H}$ 37'14 |            | asc. node           | -7248 Oct 29 j 04:17 | 21° $\mathcal{Q}$ 07'23         |            |
| behind sun end      | -7250 May 16 j 02:46 | 28° $\mathcal{H}$ 54'06 |            | direct              | -7248 Nov 01 j 10:22 | 20° $\mathcal{Q}$ 54'10         |            |
|                     | -7250 May 16 j 23:59 | 0° $\mathcal{Y}$        |            | greatest brilliancy | -7248 Nov 11 j 00:34 | 22° $\mathcal{Q}$ 40'35         | -4.9m      |
|                     | -7250 Jun 10 j 01:51 | 0° $\mathcal{B}$        |            |                     | -7248 Nov 24 j 16:05 | 0° $\mathbb{M}$                 |            |
| evening rise        | -7250 Jun 20 j 07:30 | 12° $\mathcal{B}$ 47'53 |            | morning max el      | -7248 Dec 21 j 03:50 | 22° $\mathbb{M}$ 50'38          | 46°16'40   |
|                     | -7250 Jul 04 j 01:18 | 0° $\Pi$                |            |                     | -7248 Dec 28 j 06:57 | 0° $\mathcal{L}$                |            |
|                     | -7250 Jul 28 j 00:22 | 0° $\mathcal{E}$        |            |                     | -7247 Jan 25 j 06:09 | 0° $\mathbb{M}$                 |            |
|                     | -7250 Aug 21 j 01:24 | 0° $\mathcal{Q}$        |            | desc. node          | -7247 Feb 18 j 15:28 | 27° $\mathbb{M}$ 34'20          |            |
| desc. node          | -7250 Sep 03 j 14:26 | 16° $\mathcal{Q}$ 48'29 |            |                     | -7247 Feb 20 j 18:10 | 0° $\mathcal{X}$                |            |
|                     | -7250 Sep 14 j 06:41 | 0° $\mathbb{M}$         |            |                     | -7247 Mar 18 j 12:05 | 0° $\mathcal{Z}$                |            |
|                     | -7250 Oct 08 j 18:46 | 0° $\mathcal{L}$        |            |                     | -7247 Apr 12 j 16:53 | 0° $\approx$                    |            |
|                     | -7250 Nov 02 j 18:25 | 0° $\mathbb{M}$         |            |                     | -7247 May 07 j 10:44 | 0° $\mathcal{H}$                |            |
|                     | -7250 Nov 28 j 17:37 | 0° $\mathcal{X}$        |            |                     | -7247 May 31 j 19:20 | 0° $\mathcal{Y}$                |            |
| asc. node           | -7250 Dec 24 j 23:21 | 27° $\mathcal{X}$ 48'30 |            | asc. node           | -7247 Jun 10 j 21:07 | 12° $\mathcal{Y}$ 31'35         |            |
| evening max el      | -7250 Dec 24 j 19:24 | 27° $\mathcal{X}$ 38'47 | 45°32'21   | morning set         | -7247 Jun 15 j 23:05 | 18° $\mathcal{Y}$ 52'06         |            |
|                     | -7250 Dec 27 j 05:26 | 0° $\mathcal{Z}$        |            |                     | -7247 Jun 24 j 20:34 | 0° $\mathcal{B}$                |            |
| greatest brilliancy | -7249 Jan 31 j 17:17 | 25° $\mathcal{Z}$ 58'24 | -4.7m      |                     | -7247 Jul 18 j 16:52 | 0° $\Pi$                        |            |
| retrograde          | -7249 Feb 11 j 14:59 | 28° $\mathcal{Z}$ 07'45 |            | max. Earth dist.    | -7247 Jul 21 j 18:39 | 3° $\Pi$ 52'44                  | 1.71029 AU |
| evening set         | -7249 Mar 01 j 00:09 | 22° $\mathcal{Z}$ 21'43 |            |                     |                      |                                 |            |
| inferior conj       | -7249 Mar 05 j 01:55 | 19° $\mathcal{Z}$ 50'01 | 7°29'04    | superior conj       | -7247 Jul 23 j 19:02 | 6° $\Pi$ 25'22                  | 1°18'00    |
| minimum elong       | -7249 Mar 05 j 08:07 | 19° $\mathcal{Z}$ 40'12 | 7°27'56    | minimum elong       | -7247 Jul 23 j 12:23 | 6° $\Pi$ 04'23                  | 1°18'18    |
| min. Earth dist.    | -7249 Mar 05 j 17:16 | 19° $\mathcal{Z}$ 25'46 | 0.29520 AU |                     | -7247 Aug 11 j 11:07 | 0° $\mathcal{E}$                |            |
| morning rise        | -7249 Mar 09 j 15:59 | 16° $\mathcal{Z}$ 59'32 |            | evening rise        | -7247 Sep 02 j 01:00 | 27° $\mathcal{E}$ 12'42         |            |
| direct              | -7249 Mar 27 j 00:16 | 11° $\mathcal{Z}$ 18'59 |            |                     | -7247 Sep 04 j 06:11 | 0° $\mathcal{Q}$                |            |
| greatest brilliancy | -7249 Apr 06 j 11:02 | 13° $\mathcal{Z}$ 16'36 | -4.7m      |                     | -7247 Sep 28 j 04:13 | 0° $\mathbb{M}$                 |            |
| desc. node          | -7249 Apr 16 j 11:44 | 18° $\mathcal{Z}$ 09'37 |            | desc. node          | -7247 Oct 01 j 03:08 | 3° $\mathbb{M}$ 41'29           |            |
|                     | -7249 May 02 j 13:23 | 0° $\approx$            |            |                     | -7247 Oct 22 j 06:29 | 0° $\mathcal{L}$                |            |
| morning max el      | -7249 May 15 j 06:20 | 11° $\approx$ 33'28     | 46°05'12   |                     | -7247 Nov 15 j 13:59 | 0° $\mathbb{M}$                 |            |
|                     | -7249 Jun 02 j 07:59 | 0° $\mathcal{H}$        |            |                     | -7247 Dec 10 j 04:56 | 0° $\mathcal{X}$                |            |
|                     | -7249 Jun 29 j 03:31 | 0° $\mathcal{Y}$        |            |                     | -7246 Jan 04 j 08:42 | 0° $\mathcal{Z}$                |            |
|                     | -7249 Jul 24 j 09:32 | 0° $\mathcal{B}$        |            | asc. node           | -7246 Jan 21 j 10:13 | 19° $\mathcal{Z}$ 44'57         |            |
| asc. node           | -7249 Aug 06 j 20:37 | 16° $\mathcal{B}$ 27'06 |            |                     | -7246 Jan 30 j 12:45 | 0° $\approx$                    |            |
|                     | -7249 Aug 17 j 19:34 | 0° $\Pi$                |            |                     | -7246 Feb 27 j 21:28 | 0° $\mathcal{H}$                |            |
|                     | -7249 Sep 10 j 19:25 | 0° $\mathcal{E}$        |            | evening max el      | -7246 Mar 05 j 20:46 | 5° $\mathcal{H}$ 46'36          | 45°01'05   |
|                     | -7249 Oct 04 j 16:03 | 0° $\mathcal{Q}$        |            |                     | -7246 Apr 06 j 08:00 | 0° $\mathcal{Y}$                |            |
|                     | -7249 Oct 28 j 14:16 | 0° $\mathbb{M}$         |            | greatest brilliancy | -7246 Apr 12 j 17:00 | 2° $\mathcal{Y}$ 46'00          | -4.7m      |
| morning set         | -7249 Nov 17 j 04:24 | 24° $\mathbb{M}$ 25'10  |            | retrograde          | -7246 Apr 22 j 22:32 | 4° $\mathcal{Y}$ 37'03          |            |
|                     | -7249 Nov 21 j 16:12 | 0° $\mathcal{L}$        |            | evening set         | -7246 May 07 j 17:35 | 0° $\mathcal{Y}$ 31'53          |            |
| desc. node          | -7249 Nov 27 j 03:22 | 6° $\mathcal{L}$ 46'50  |            |                     | -7246 May 08 j 17:31 | 30° $\mathcal{R}$ $\mathcal{H}$ |            |
|                     | -7249 Dec 15 j 21:49 | 0° $\mathbb{M}$         |            | desc. node          | -7246 May 13 j 22:27 | 26° $\mathcal{H}$ 57'38         |            |
|                     |                      |                         |            | inferior conj       | -7246 May 14 j 04:14 | 26° $\mathcal{H}$ 48'52         | -0°03'24   |
| superior conj       | -7249 Dec 28 j 08:17 | 15° $\mathbb{M}$ 20'25  | -1°02'36   | minimum elong       | -7246 May 14 j 04:06 | 26° $\mathcal{H}$ 49'04         | 0°03'27    |
| minimum elong       | -7249 Dec 27 j 22:22 | 14° $\mathbb{M}$ 49'53  | 1°02'37    | transit middle      | -7246 May 14 j 04:06 | 26° $\mathcal{H}$ 49'04         | 0°03'27    |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 32

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |            |                     |                      |                       |            |
|---------------------|----------------------|----------------------|------------|---------------------|----------------------|-----------------------|------------|
| transit begin       | -7246 May 14 j 00:05 | 26° $\text{H}$ 55'10 |            | desc. node          | -7244 Oct 28 j 16:13 | 20° $\text{M}$ 06'23  |            |
| transit end         | -7246 May 14 j 08:07 | 26° $\text{H}$ 42'58 |            |                     | -7244 Nov 05 j 14:37 | 0° $\text{A}$         |            |
| min. Earth dist.    | -7246 May 15 j 00:04 | 26° $\text{H}$ 18'43 | 0.28048 AU | evening rise        | -7244 Nov 20 j 11:40 | 18° $\text{A}$ 29'23  |            |
| morning rise        | -7246 May 20 j 13:32 | 23° $\text{H}$ 04'45 |            |                     | -7244 Nov 29 j 18:40 | 0° $\text{M}$         |            |
| direct              | -7246 Jun 04 j 16:34 | 18° $\text{H}$ 44'17 |            |                     | -7244 Dec 24 j 02:32 | 0° $\text{J}$         |            |
| greatest brilliancy | -7246 Jun 16 j 03:27 | 21° $\text{H}$ 05'25 | -4.8m      |                     | -7243 Jan 17 j 15:07 | 0° $\text{Z}$         |            |
|                     | -7246 Jul 01 j 11:38 | 0° $\text{Y}$        |            |                     | -7243 Feb 11 j 10:59 | 0° $\approx$          |            |
| morning max el      | -7246 Jul 24 j 19:14 | 20° $\text{Y}$ 39'06 | 46°37'16   | asc. node           | -7243 Feb 17 j 21:55 | 7° $\approx$ 42'56    |            |
|                     | -7246 Aug 02 j 20:34 | 0° $\text{B}$        |            |                     | -7243 Mar 08 j 18:22 | 0° $\text{H}$         |            |
|                     | -7246 Aug 29 j 15:04 | 0° $\text{II}$       |            |                     | -7243 Apr 03 j 19:58 | 0° $\text{Y}$         |            |
| asc. node           | -7246 Sep 03 j 08:33 | 5° $\text{II}$ 33'05 |            |                     | -7243 May 01 j 06:41 | 0° $\text{B}$         |            |
|                     | -7246 Sep 23 j 17:49 | 0° $\text{E}$        |            | evening max el      | -7243 May 17 j 07:46 | 16° $\text{B}$ 13'08  | 46°09'04   |
|                     | -7246 Oct 18 j 05:22 | 0° $\text{O}$        |            |                     | -7243 Jun 01 j 13:52 | 0° $\text{II}$        |            |
|                     | -7246 Nov 11 j 13:04 | 0° $\text{M}$        |            | desc. node          | -7243 Jun 10 j 08:58 | 6° $\text{II}$ 47'07  |            |
|                     | -7246 Dec 05 j 22:09 | 0° $\text{A}$        |            | greatest brilliancy | -7243 Jun 26 j 14:52 | 15° $\text{II}$ 31'31 | -4.8m      |
| desc. node          | -7246 Dec 24 j 16:33 | 23° $\text{A}$ 00'10 |            | retrograde          | -7243 Jul 06 j 01:37 | 17° $\text{II}$ 09'56 |            |
|                     | -7246 Dec 30 j 09:46 | 0° $\text{M}$        |            | evening set         | -7243 Jul 23 j 06:31 | 11° $\text{II}$ 37'31 |            |
|                     | -7245 Jan 23 j 22:42 | 0° $\text{J}$        |            | inferior conj       | -7243 Jul 26 j 20:10 | 9° $\text{II}$ 31'10  | -8°35'10   |
| morning set         | -7245 Jan 29 j 22:49 | 7° $\text{J}$ 20'37  |            | minimum elong       | -7243 Jul 26 j 14:15 | 9° $\text{II}$ 40'01  | 8°34'13    |
|                     | -7245 Feb 17 j 11:11 | 0° $\text{Z}$        |            | min. Earth dist.    | -7243 Jul 26 j 19:03 | 9° $\text{II}$ 32'50  | 0.26805 AU |
| max. Earth dist.    | -7245 Mar 05 j 19:03 | 20° $\text{Z}$ 01'06 | 1.73765 AU | morning rise        | -7243 Jul 29 j 21:54 | 7° $\text{II}$ 41'54  |            |
|                     |                      |                      |            | direct              | -7243 Aug 16 j 09:19 | 1° $\text{II}$ 54'07  |            |
| superior conj       | -7245 Mar 07 j 16:55 | 22° $\text{Z}$ 21'49 | -1°13'18   | greatest brilliancy | -7243 Aug 27 j 00:11 | 4° $\text{II}$ 02'07  | -4.9m      |
| minimum elong       | -7245 Mar 07 j 23:32 | 22° $\text{Z}$ 42'08 | 1°13'38    | asc. node           | -7243 Sep 30 j 19:53 | 0° $\text{E}$ 06'44   |            |
|                     | -7245 Mar 13 j 22:13 | 0° $\approx$         |            |                     | -7243 Sep 30 j 17:09 | 0° $\text{E}$         |            |
|                     | -7245 Apr 07 j 07:41 | 0° $\text{H}$        |            | morning max el      | -7243 Oct 06 j 04:06 | 5° $\text{E}$ 28'47   | 46°46'17   |
| evening rise        | -7245 Apr 12 j 07:36 | 6° $\text{H}$ 09'05  |            |                     | -7243 Oct 28 j 19:13 | 0° $\text{O}$         |            |
| asc. node           | -7245 Apr 15 j 20:56 | 10° $\text{H}$ 31'48 |            |                     | -7243 Nov 23 j 18:22 | 0° $\text{M}$         |            |
|                     | -7245 May 01 j 16:03 | 0° $\text{Y}$        |            |                     | -7243 Dec 19 j 02:37 | 0° $\text{A}$         |            |
|                     | -7245 May 25 j 23:59 | 0° $\text{B}$        |            |                     | -7242 Jan 13 j 06:01 | 0° $\text{M}$         |            |
|                     | -7245 Jun 19 j 08:38 | 0° $\text{II}$       |            | desc. node          | -7242 Jan 21 j 05:19 | 9° $\text{M}$ 32'39   |            |
|                     | -7245 Jul 13 j 20:00 | 0° $\text{E}$        |            |                     | -7242 Feb 07 j 06:22 | 0° $\text{J}$         |            |
| desc. node          | -7245 Aug 06 j 04:36 | 28° $\text{E}$ 21'01 |            |                     | -7242 Mar 04 j 02:49 | 0° $\text{Z}$         |            |
|                     | -7245 Aug 07 j 13:30 | 0° $\text{O}$        |            |                     | -7242 Mar 28 j 18:26 | 0° $\approx$          |            |
|                     | -7245 Sep 01 j 19:13 | 0° $\text{M}$        |            | morning set         | -7242 Apr 07 j 12:03 | 11° $\approx$ 55'01   |            |
|                     | -7245 Sep 28 j 03:23 | 0° $\text{A}$        |            |                     | -7242 Apr 22 j 04:57 | 0° $\text{H}$         |            |
| evening max el      | -7245 Oct 12 j 19:30 | 15° $\text{A}$ 35'49 | 47°10'00   | max. Earth dist.    | -7242 May 08 j 18:20 | 20° $\text{H}$ 27'52  | 1.72814 AU |
|                     | -7245 Oct 27 j 18:30 | 0° $\text{M}$        |            |                     |                      |                       |            |
| greatest brilliancy | -7245 Nov 21 j 19:20 | 17° $\text{M}$ 08'05 | -4.8m      | superior conj       | -7242 May 12 j 23:53 | 25° $\text{H}$ 42'44  | -0°01'00   |
| asc. node           | -7245 Nov 26 j 14:53 | 18° $\text{M}$ 40'52 |            | minimum elong       | -7242 May 13 j 00:06 | 25° $\text{H}$ 43'24  | 0°01'05    |
| retrograde          | -7245 Dec 02 j 17:41 | 19° $\text{M}$ 25'37 |            | behind sun begin    | -7242 May 12 j 02:03 | 24° $\text{H}$ 34'59  |            |
| evening set         | -7245 Dec 18 j 11:14 | 14° $\text{M}$ 26'32 |            | behind sun end      | -7242 May 13 j 22:09 | 26° $\text{H}$ 51'50  |            |
| min. Earth dist.    | -7245 Dec 23 j 01:07 | 11° $\text{M}$ 35'54 | 0.28542 AU | asc. node           | -7242 May 13 j 10:06 | 26° $\text{H}$ 14'27  |            |
| inferior conj       | -7245 Dec 23 j 22:12 | 11° $\text{M}$ 01'59 | 5°50'24    |                     | -7242 May 16 j 10:46 | 0° $\text{Y}$         |            |
| minimum elong       | -7245 Dec 23 j 13:22 | 11° $\text{M}$ 16'12 | 5°48'18    |                     | -7242 Jun 09 j 12:46 | 0° $\text{B}$         |            |
| morning rise        | -7245 Dec 28 j 16:05 | 8° $\text{M}$ 03'27  |            | evening rise        | -7242 Jun 18 j 00:33 | 10° $\text{B}$ 36'44  |            |
| direct              | -7244 Jan 14 j 01:02 | 2° $\text{M}$ 47'49  |            |                     | -7242 Jul 03 j 12:24 | 0° $\text{II}$        |            |
| greatest brilliancy | -7244 Jan 22 j 21:12 | 4° $\text{M}$ 14'08  | -4.7m      |                     | -7242 Jul 27 j 11:43 | 0° $\text{E}$         |            |
|                     | -7244 Feb 29 j 02:09 | 0° $\text{J}$        |            |                     | -7242 Aug 20 j 13:04 | 0° $\text{O}$         |            |
| morning max el      | -7244 Mar 02 j 17:17 | 2° $\text{J}$ 28'06  | 45°53'34   | desc. node          | -7242 Sep 02 j 16:40 | 16° $\text{O}$ 18'42  |            |
| desc. node          | -7244 Mar 18 j 03:04 | 17° $\text{J}$ 46'55 |            |                     | -7242 Sep 13 j 18:45 | 0° $\text{M}$         |            |
|                     | -7244 Mar 29 j 16:47 | 0° $\text{Z}$        |            |                     | -7242 Oct 08 j 07:24 | 0° $\text{A}$         |            |
|                     | -7244 Apr 25 j 14:42 | 0° $\approx$         |            |                     | -7242 Nov 02 j 08:03 | 0° $\text{M}$         |            |
|                     | -7244 May 21 j 06:10 | 0° $\text{H}$        |            |                     | -7242 Nov 28 j 09:27 | 0° $\text{J}$         |            |
|                     | -7244 Jun 15 j 02:25 | 0° $\text{Y}$        |            | evening max el      | -7242 Dec 22 j 12:00 | 25° $\text{J}$ 28'58  | 45°35'09   |
| asc. node           | -7244 Jul 08 j 10:10 | 28° $\text{Y}$ 47'54 |            | asc. node           | -7242 Dec 24 j 01:30 | 27° $\text{J}$ 00'40  |            |
|                     | -7244 Jul 09 j 09:18 | 0° $\text{B}$        |            |                     | -7242 Dec 27 j 04:16 | 0° $\text{Z}$         |            |
| greatest brilliancy | -7244 Jul 30 j 22:39 | 27° $\text{B}$ 01'11 | -3.9m      | greatest brilliancy | -7241 Jan 29 j 10:16 | 23° $\text{Z}$ 52'54  | -4.7m      |
|                     | -7244 Aug 02 j 07:25 | 0° $\text{II}$       |            | retrograde          | -7241 Feb 09 j 08:30 | 26° $\text{Z}$ 02'30  |            |
|                     | -7244 Aug 26 j 01:08 | 0° $\text{E}$        |            | evening set         | -7241 Feb 26 j 19:05 | 20° $\text{Z}$ 13'53  |            |
| morning set         | -7244 Aug 28 j 01:50 | 2° $\text{E}$ 34'06  |            | inferior conj       | -7241 Mar 02 j 19:14 | 17° $\text{Z}$ 44'06  | 7°35'42    |
|                     | -7244 Sep 18 j 18:31 | 0° $\text{O}$        |            | minimum elong       | -7241 Mar 03 j 00:57 | 17° $\text{Z}$ 35'02  | 7°34'42    |
|                     |                      |                      |            | min. Earth dist.    | -7241 Mar 03 j 09:03 | 17° $\text{Z}$ 22'11  | 0.29533 AU |
| superior conj       | -7244 Oct 08 j 15:42 | 25° $\text{O}$ 02'18 | 0°43'47    | morning rise        | -7241 Mar 07 j 06:47 | 14° $\text{Z}$ 57'03  |            |
| minimum elong       | -7244 Oct 09 j 02:16 | 25° $\text{O}$ 35'29 | 0°43'41    | direct              | -7241 Mar 24 j 17:53 | 9° $\text{Z}$ 13'10   |            |
|                     | -7244 Oct 12 j 14:34 | 0° $\text{M}$        |            | greatest brilliancy | -7241 Apr 04 j 01:37 | 11° $\text{Z}$ 08'12  | -4.7m      |
| max. Earth dist.    | -7244 Oct 14 j 15:27 | 2° $\text{M}$ 33'14  | 1.71267 AU | desc. node          | -7241 Apr 15 j 13:57 | 16° $\text{Z}$ 54'36  |            |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|--|
|                     | -7241 May 02 j 17:21 | 0°≈       |            |                     | -7239 Oct 21 j 17:57 | 0°♁       |            |  |
| morning max el      | -7241 May 12 j 22:44 | 9°≈24'44  | 46°04'07   |                     | -7239 Nov 15 j 01:41 | 0°♂       |            |  |
|                     | -7241 Jun 02 j 00:57 | 0°✕       |            |                     | -7239 Dec 09 j 17:06 | 0°✕       |            |  |
|                     | -7241 Jun 28 j 17:29 | 0°Υ       |            |                     | -7238 Jan 03 j 21:47 | 0°☾       |            |  |
|                     | -7241 Jul 23 j 22:12 | 0°♄       |            | asc. node           | -7238 Jan 20 j 12:27 | 19°☾10'56 |            |  |
| asc. node           | -7241 Aug 05 j 22:46 | 15°♄55'54 |            |                     | -7238 Jan 30 j 03:54 | 0°≈       |            |  |
|                     | -7241 Aug 17 j 07:36 | 0°♂       |            |                     | -7238 Feb 27 j 18:28 | 0°✕       |            |  |
|                     | -7241 Sep 10 j 07:04 | 0°☾       |            | evening max el      | -7238 Mar 03 j 10:45 | 3°✕31'54  | 45°00'31   |  |
|                     | -7241 Oct 04 j 03:30 | 0°♂       |            |                     | -7238 Apr 08 j 19:39 | 0°Υ       |            |  |
|                     | -7241 Oct 28 j 01:32 | 0°♄       |            | greatest brilliancy | -7238 Apr 10 j 07:16 | 0°Υ32'53  | -4.7m      |  |
| morning set         | -7241 Nov 14 j 14:45 | 21°♄53'33 |            | retrograde          | -7238 Apr 20 j 12:56 | 2°Υ24'29  |            |  |
|                     | -7241 Nov 21 j 03:19 | 0°♁       |            |                     | -7238 May 01 j 18:18 | 30°♄✕     |            |  |
| desc. node          | -7241 Nov 26 j 05:22 | 6°♁18'42  |            | evening set         | -7238 May 05 j 09:07 | 28°✕17'19 |            |  |
|                     | -7241 Dec 15 j 08:48 | 0°♂       |            | inferior conj       | -7238 May 11 j 19:03 | 24°✕35'21 | 0°17'18    |  |
|                     |                      |           |            | minimum elong       | -7238 May 11 j 19:41 | 24°✕34'23 | 0°17'01    |  |
| superior conj       | -7241 Dec 25 j 21:41 | 13°♂00'05 | -1°00'19   | min. Earth dist.    | -7238 May 12 j 15:57 | 24°✕03'37 | 0.28108 AU |  |
| minimum elong       | -7241 Dec 25 j 11:37 | 12°♂29'03 | 1°00'16    | desc. node          | -7238 May 13 j 00:33 | 23°✕50'35 |            |  |
| max. Earth dist.    | -7241 Dec 28 j 15:34 | 16°♂23'09 | 1.73036 AU | morning rise        | -7238 May 18 j 05:08 | 20°✕50'01 |            |  |
|                     | -7240 Jan 08 j 16:50 | 0°✕       |            | direct              | -7238 Jun 02 j 07:30 | 16°✕29'19 |            |  |
| evening rise        | -7240 Feb 02 j 03:39 | 0°☾03'16  |            | greatest brilliancy | -7238 Jun 13 j 19:48 | 18°✕51'32 | -4.8m      |  |
|                     | -7240 Feb 02 j 02:35 | 0°☾       |            |                     | -7238 Jul 02 j 02:34 | 0°Υ       |            |  |
| greatest brilliancy | -7240 Feb 17 j 06:37 | 18°☾35'51 | -3.9m      | morning max el      | -7238 Jul 22 j 09:47 | 18°Υ19'44 | 46°36'22   |  |
|                     | -7240 Feb 26 j 14:12 | 0°≈       |            |                     | -7238 Aug 02 j 15:44 | 0°♄       |            |  |
| asc. node           | -7240 Mar 17 j 10:18 | 24°≈12'16 |            |                     | -7238 Aug 29 j 06:08 | 0°♂       |            |  |
|                     | -7240 Mar 22 j 04:39 | 0°✕       |            | asc. node           | -7238 Sep 02 j 10:54 | 4°♂56'41  |            |  |
|                     | -7240 Apr 15 j 23:13 | 0°Υ       |            |                     | -7238 Sep 23 j 07:14 | 0°☾       |            |  |
|                     | -7240 May 10 j 23:35 | 0°♄       |            |                     | -7238 Oct 17 j 17:55 | 0°♂       |            |  |
|                     | -7240 Jun 05 j 09:06 | 0°♂       |            |                     | -7238 Nov 11 j 01:04 | 0°♄       |            |  |
|                     | -7240 Jul 01 j 12:16 | 0°☾       |            |                     | -7238 Dec 05 j 09:46 | 0°♁       |            |  |
| desc. node          | -7240 Jul 07 j 19:31 | 7°☾01'06  |            | desc. node          | -7238 Dec 23 j 18:37 | 22°♁31'41 |            |  |
|                     | -7240 Jul 29 j 10:34 | 0°♂       |            |                     | -7238 Dec 29 j 21:04 | 0°♂       |            |  |
| evening max el      | -7240 Jul 30 j 04:43 | 0°♂45'42  | 47°37'13   |                     | -7237 Jan 23 j 09:45 | 0°✕       |            |  |
|                     | -7240 Sep 04 j 03:41 | 0°♄       |            | morning set         | -7237 Jan 27 j 14:34 | 5°✕08'19  |            |  |
| greatest brilliancy | -7240 Sep 09 j 12:21 | 2°♄18'34  | -4.9m      |                     | -7237 Feb 16 j 22:04 | 0°☾       |            |  |
| retrograde          | -7240 Sep 19 j 01:23 | 4°♄03'03  |            | max. Earth dist.    | -7237 Mar 03 j 15:26 | 18°☾03'13 | 1.73770 AU |  |
|                     | -7240 Oct 03 j 04:25 | 30°♄♂     |            |                     |                      |           |            |  |
| evening set         | -7240 Oct 04 j 13:15 | 29°♂14'20 |            | superior conj       | -7237 Mar 05 j 11:35 | 20°☾18'39 | -1°14'36   |  |
| inferior conj       | -7240 Oct 09 j 16:30 | 26°♂07'21 | -4°29'28   | minimum elong       | -7237 Mar 05 j 17:52 | 20°☾37'53 | 1°14'57    |  |
| minimum elong       | -7240 Oct 10 j 01:17 | 25°♂53'41 | 4°26'44    |                     | -7237 Mar 13 j 09:02 | 0°≈       |            |  |
| min. Earth dist.    | -7240 Oct 09 j 07:09 | 26°♂21'55 | 0.26677 AU |                     | -7237 Apr 06 j 18:34 | 0°✕       |            |  |
| morning rise        | -7240 Oct 15 j 13:52 | 22°♂37'16 |            | evening rise        | -7237 Apr 10 j 03:09 | 4°✕07'56  |            |  |
| asc. node           | -7240 Oct 28 j 06:26 | 18°♂31'08 |            | asc. node           | -7237 Apr 14 j 23:02 | 10°✕04'34 |            |  |
| direct              | -7240 Oct 29 j 22:57 | 18°♂27'36 |            |                     | -7237 May 01 j 03:07 | 0°Υ       |            |  |
| greatest brilliancy | -7240 Nov 08 j 14:19 | 20°♂14'42 | -4.9m      |                     | -7237 May 25 j 11:22 | 0°♄       |            |  |
|                     | -7240 Nov 25 j 13:59 | 0°♄       |            |                     | -7237 Jun 18 j 20:27 | 0°♂       |            |  |
| morning max el      | -7240 Dec 18 j 16:40 | 20°♄27'04 | 46°17'48   |                     | -7237 Jul 13 j 08:24 | 0°☾       |            |  |
|                     | -7240 Dec 28 j 03:15 | 0°♁       |            | desc. node          | -7237 Aug 05 j 06:53 | 27°☾48'05 |            |  |
|                     | -7239 Jan 24 j 21:29 | 0°♂       |            |                     | -7237 Aug 07 j 02:47 | 0°♂       |            |  |
| desc. node          | -7239 Feb 17 j 17:41 | 27°♂02'20 |            |                     | -7237 Sep 01 j 10:03 | 0°♄       |            |  |
|                     | -7239 Feb 20 j 07:23 | 0°✕       |            |                     | -7237 Sep 27 j 21:34 | 0°♁       |            |  |
|                     | -7239 Mar 18 j 00:11 | 0°☾       |            | evening max el      | -7237 Oct 10 j 10:46 | 13°♁16'45 | 47°12'49   |  |
|                     | -7239 Apr 12 j 04:20 | 0°≈       |            |                     | -7237 Oct 28 j 01:02 | 0°♂       |            |  |
|                     | -7239 May 06 j 21:49 | 0°✕       |            | greatest brilliancy | -7237 Nov 19 j 12:15 | 14°♂53'17 | -4.9m      |  |
|                     | -7239 May 31 j 06:13 | 0°Υ       |            | asc. node           | -7237 Nov 25 j 17:04 | 16°♂44'00 |            |  |
| asc. node           | -7239 Jun 09 j 23:13 | 12°Υ04'14 |            | retrograde          | -7237 Nov 30 j 10:31 | 17°♂11'09 |            |  |
| morning set         | -7239 Jun 13 j 15:54 | 16°Υ40'49 |            | evening set         | -7237 Dec 16 j 01:15 | 12°♂15'11 |            |  |
|                     | -7239 Jun 24 j 07:25 | 0°♄       |            | min. Earth dist.    | -7237 Dec 20 j 16:44 | 9°♂22'38  | 0.28472 AU |  |
|                     | -7239 Jul 18 j 03:47 | 0°♂       |            | inferior conj       | -7237 Dec 21 j 14:25 | 8°♂47'48  | 5°36'30    |  |
| max. Earth dist.    | -7239 Jul 19 j 02:20 | 1°♂11'05  | 1.71078 AU | minimum elong       | -7237 Dec 21 j 05:36 | 9°♂01'57  | 5°34'21    |  |
|                     |                      |           |            | morning rise        | -7237 Dec 26 j 10:35 | 5°♂46'18  |            |  |
| superior conj       | -7239 Jul 21 j 09:05 | 4°♂03'46  | 1°16'40    | direct              | -7236 Jan 11 j 16:08 | 0°♂34'36  |            |  |
| minimum elong       | -7239 Jul 21 j 01:53 | 3°♂41'03  | 1°16'57    | greatest brilliancy | -7236 Jan 20 j 12:23 | 2°♂01'19  | -4.7m      |  |
|                     | -7239 Aug 10 j 22:10 | 0°☾       |            |                     | -7236 Feb 29 j 01:36 | 0°✕       |            |  |
| evening rise        | -7239 Aug 30 j 10:13 | 24°☾35'27 |            | morning max el      | -7236 Feb 29 j 09:23 | 0°✕18'26  | 45°53'54   |  |
|                     | -7239 Sep 03 j 17:23 | 0°♂       |            | desc. node          | -7236 Mar 17 j 05:16 | 17°✕05'53 |            |  |
|                     | -7239 Sep 27 j 15:32 | 0°♄       |            |                     | -7236 Mar 29 j 08:50 | 0°☾       |            |  |
| desc. node          | -7239 Sep 30 j 05:16 | 3°♄12'45  |            |                     | -7236 Apr 25 j 04:13 | 0°≈       |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                     |  |                      |                           |            |
|---------------------|----------------------|---------------------------|------------|---------------------|--|----------------------|---------------------------|------------|
|                     | -7236 May 20 j 18:31 | 0° $\text{H}$             |            |                     |  | -7234 Oct 07 j 20:14 | 0° $\text{L}$             |            |
|                     | -7236 Jun 14 j 14:10 | 0° $\text{Y}$             |            |                     |  | -7234 Nov 01 j 21:54 | 0° $\text{M}$             |            |
| asc. node           | -7236 Jul 07 j 12:18 | 28° $\text{Y}$ 18'52      |            |                     |  | -7234 Nov 28 j 01:40 | 0° $\text{J}$             |            |
|                     | -7236 Jul 08 j 20:45 | 0° $\text{B}$             |            | evening max el      |  | -7234 Dec 20 j 04:02 | 23° $\text{J}$ 16'57      | 45°37'45   |
| greatest brilliancy | -7236 Jul 31 j 06:49 | 28° $\text{B}$ 06'58      | -3.9m      | asc. node           |  | -7234 Dec 23 j 03:43 | 26° $\text{J}$ 11'39      |            |
|                     | -7236 Aug 01 j 18:41 | 0° $\text{II}$            |            |                     |  | -7234 Dec 27 j 04:24 | 0° $\text{Z}$             |            |
| morning set         | -7236 Aug 25 j 13:11 | 0° $\text{G}$ 02'44       |            | greatest brilliancy |  | -7233 Jan 27 j 03:39 | 21° $\text{Z}$ 46'47      | -4.7m      |
|                     | -7236 Aug 25 j 12:19 | 0° $\text{G}$             |            | retrograde          |  | -7233 Feb 07 j 01:26 | 23° $\text{Z}$ 56'07      |            |
|                     | -7236 Sep 18 j 05:41 | 0° $\text{Q}$             |            | evening set         |  | -7233 Feb 24 j 13:47 | 18° $\text{Z}$ 05'12      |            |
|                     |                      |                           |            | inferior conj       |  | -7233 Feb 28 j 12:32 | 15° $\text{Z}$ 37'08      | 7°41'46    |
| superior conj       | -7236 Oct 06 j 00:23 | 22° $\text{Q}$ 23'41      | 0°47'08    | minimum elong       |  | -7233 Feb 28 j 17:43 | 15° $\text{Z}$ 28'53      | 7°40'51    |
| minimum elong       | -7236 Oct 06 j 11:26 | 22° $\text{Q}$ 58'24      | 0°47'02    | min. Earth dist.    |  | -7233 Mar 01 j 01:10 | 15° $\text{Z}$ 17'02      | 0.29547 AU |
| max. Earth dist.    | -7236 Oct 11 j 22:14 | 29° $\text{Q}$ 48'58      | 1.71219 AU | morning rise        |  | -7233 Mar 04 j 21:36 | 12° $\text{Z}$ 53'18      |            |
|                     | -7236 Oct 12 j 01:45 | 0° $\text{M}$             |            | direct              |  | -7233 Mar 22 j 11:07 | 7° $\text{Z}$ 06'10       |            |
| desc. node          | -7236 Oct 27 j 18:13 | 19° $\text{M}$ 37'43      |            | greatest brilliancy |  | -7233 Apr 01 j 16:40 | 8° $\text{Z}$ 58'58       | -4.7m      |
|                     | -7236 Nov 05 j 01:49 | 0° $\text{L}$             |            | desc. node          |  | -7233 Apr 14 j 16:00 | 15° $\text{Z}$ 40'13      |            |
| evening rise        | -7236 Nov 17 j 22:11 | 15° $\text{L}$ 58'25      |            |                     |  | -7233 May 02 j 20:16 | 0° $\approx$              |            |
|                     | -7236 Nov 29 j 05:54 | 0° $\text{M}$             |            | morning max el      |  | -7233 May 10 j 14:20 | 7° $\approx$ 12'55        | 46°03'06   |
|                     | -7236 Dec 23 j 13:51 | 0° $\text{J}$             |            |                     |  | -7233 Jun 01 j 18:00 | 0° $\text{H}$             |            |
|                     | -7235 Jan 17 j 02:39 | 0° $\text{Z}$             |            |                     |  | -7233 Jun 28 j 07:40 | 0° $\text{Y}$             |            |
|                     | -7235 Feb 10 j 23:01 | 0° $\approx$              |            |                     |  | -7233 Jul 23 j 11:07 | 0° $\text{B}$             |            |
| asc. node           | -7235 Feb 17 j 00:12 | 7° $\approx$ 13'21        |            | asc. node           |  | -7233 Aug 05 j 01:01 | 15° $\text{B}$ 24'12      |            |
|                     | -7235 Mar 08 j 07:24 | 0° $\text{H}$             |            |                     |  | -7233 Aug 16 j 19:51 | 0° $\text{II}$            |            |
|                     | -7235 Apr 03 j 10:55 | 0° $\text{Y}$             |            |                     |  | -7233 Sep 09 j 18:59 | 0° $\text{G}$             |            |
|                     | -7235 May 01 j 01:59 | 0° $\text{B}$             |            |                     |  | -7233 Oct 03 j 15:11 | 0° $\text{Q}$             |            |
| evening max el      | -7235 May 14 j 21:56 | 13° $\text{B}$ 53'24      | 46°05'38   |                     |  | -7233 Oct 27 j 13:03 | 0° $\text{M}$             |            |
|                     | -7235 Jun 02 j 02:04 | 0° $\text{II}$            |            | morning set         |  | -7233 Nov 12 j 01:21 | 19° $\text{M}$ 21'48      |            |
| desc. node          | -7235 Jun 09 j 11:09 | 5° $\text{II}$ 26'30      |            |                     |  | -7233 Nov 20 j 14:39 | 0° $\text{L}$             |            |
| greatest brilliancy | -7235 Jun 24 j 01:04 | 13° $\text{II}$ 02'16     | -4.8m      | desc. node          |  | -7233 Nov 25 j 07:29 | 5° $\text{L}$ 50'10       |            |
| retrograde          | -7235 Jul 03 j 13:59 | 14° $\text{II}$ 41'47     |            |                     |  | -7233 Dec 14 j 19:59 | 0° $\text{M}$             |            |
| evening set         | -7235 Jul 20 j 14:29 | 9° $\text{II}$ 15'21      |            |                     |  |                      |                           |            |
| inferior conj       | -7235 Jul 24 j 08:08 | 7° $\text{II}$ 03'07      | -8°27'34   | superior conj       |  | -7233 Dec 23 j 11:18 | 10° $\text{M}$ 39'41      | -0°57'55   |
| minimum elong       | -7235 Jul 24 j 01:26 | 7° $\text{II}$ 13'09      | 8°26'28    | minimum elong       |  | -7233 Dec 23 j 01:08 | 10° $\text{M}$ 08'20      | 0°57'51    |
| min. Earth dist.    | -7235 Jul 24 j 06:47 | 7° $\text{II}$ 05'09      | 0.26826 AU | max. Earth dist.    |  | -7233 Dec 26 j 11:59 | 14° $\text{M}$ 23'48      | 1.72983 AU |
| morning rise        | -7235 Jul 27 j 12:20 | 5° $\text{II}$ 10'20      |            |                     |  | -7232 Jan 08 j 03:56 | 0° $\text{J}$             |            |
|                     | -7235 Aug 08 j 16:05 | 30° $\text{R}$ $\text{B}$ |            | evening rise        |  | -7232 Jan 30 j 20:48 | 27° $\text{J}$ 54'27      |            |
| direct              | -7235 Aug 13 j 22:34 | 29° $\text{B}$ 25'54      |            |                     |  | -7232 Feb 01 j 13:42 | 0° $\text{Z}$             |            |
|                     | -7235 Aug 19 j 07:32 | 0° $\text{II}$            |            | greatest brilliancy |  | -7232 Feb 16 j 17:47 | 18° $\text{Z}$ 35'52      | -3.9m      |
| greatest brilliancy | -7235 Aug 24 j 12:39 | 1° $\text{II}$ 33'14      | -4.9m      |                     |  | -7232 Feb 26 j 01:27 | 0° $\approx$              |            |
| asc. node           | -7235 Sep 29 j 21:56 | 29° $\text{II}$ 10'08     |            | asc. node           |  | -7232 Mar 16 j 12:22 | 23° $\approx$ 43'39       |            |
|                     | -7235 Sep 30 j 17:53 | 0° $\text{G}$             |            |                     |  | -7232 Mar 21 j 16:13 | 0° $\text{H}$             |            |
| morning max el      | -7235 Oct 03 j 17:39 | 3° $\text{G}$ 01'55       | 46°46'48   |                     |  | -7232 Apr 15 j 11:20 | 0° $\text{Y}$             |            |
|                     | -7235 Oct 28 j 12:19 | 0° $\text{Q}$             |            |                     |  | -7232 May 10 j 12:35 | 0° $\text{B}$             |            |
|                     | -7235 Nov 23 j 08:47 | 0° $\text{M}$             |            |                     |  | -7232 Jun 04 j 23:34 | 0° $\text{II}$            |            |
|                     | -7235 Dec 18 j 15:41 | 0° $\text{L}$             |            |                     |  | -7232 Jul 01 j 05:26 | 0° $\text{G}$             |            |
|                     | -7234 Jan 12 j 18:15 | 0° $\text{M}$             |            | desc. node          |  | -7232 Jul 06 j 21:48 | 6° $\text{G}$ 17'34       |            |
| desc. node          | -7234 Jan 20 j 07:31 | 9° $\text{M}$ 03'06       |            | evening max el      |  | -7232 Jul 27 j 17:47 | 28° $\text{G}$ 18'08      | 47°35'29   |
|                     | -7234 Feb 06 j 18:03 | 0° $\text{J}$             |            |                     |  | -7232 Jul 29 j 10:35 | 0° $\text{Q}$             |            |
|                     | -7234 Mar 03 j 14:08 | 0° $\text{Z}$             |            | greatest brilliancy |  | -7232 Sep 07 j 03:24 | 29° $\text{Q}$ 50'53      | -4.9m      |
|                     | -7234 Mar 28 j 05:31 | 0° $\approx$              |            |                     |  | -7232 Sep 07 j 14:07 | 0° $\text{M}$             |            |
| morning set         | -7234 Apr 05 j 07:16 | 9° $\approx$ 52'58        |            | retrograde          |  | -7232 Sep 16 j 13:52 | 1° $\text{M}$ 33'09       |            |
|                     | -7234 Apr 21 j 15:57 | 0° $\text{H}$             |            |                     |  | -7232 Sep 25 j 05:38 | 30° $\text{R}$ $\text{Q}$ |            |
| max. Earth dist.    | -7234 May 06 j 12:45 | 18° $\text{H}$ 22'12      | 1.72868 AU | evening set         |  | -7232 Oct 02 j 05:03 | 26° $\text{Q}$ 41'18      |            |
|                     |                      |                           |            | inferior conj       |  | -7232 Oct 07 j 05:26 | 23° $\text{Q}$ 38'47      | -4°50'05   |
| superior conj       | -7234 May 10 j 18:28 | 23° $\text{H}$ 37'22      | -0°04'05   | minimum elong       |  | -7232 Oct 07 j 14:40 | 23° $\text{Q}$ 24'24      | 4°47'15    |
| minimum elong       | -7234 May 10 j 19:17 | 23° $\text{H}$ 39'52      | 0°04'09    | min. Earth dist.    |  | -7232 Oct 06 j 21:17 | 23° $\text{Q}$ 51'28      | 0.26647 AU |
| behind sun begin    | -7234 May 09 j 21:49 | 22° $\text{H}$ 33'18      |            | morning rise        |  | -7232 Oct 13 j 00:43 | 20° $\text{Q}$ 11'25      |            |
| behind sun end      | -7234 May 11 j 16:45 | 24° $\text{H}$ 46'27      |            | direct              |  | -7232 Oct 27 j 11:04 | 15° $\text{Q}$ 59'41      |            |
| asc. node           | -7234 May 12 j 12:07 | 25° $\text{H}$ 46'30      |            | asc. node           |  | -7232 Oct 27 j 08:39 | 15° $\text{Q}$ 59'42      |            |
|                     | -7234 May 15 j 21:48 | 0° $\text{Y}$             |            | greatest brilliancy |  | -7232 Nov 06 j 04:31 | 17° $\text{Q}$ 48'14      | -4.9m      |
|                     | -7234 Jun 08 j 23:56 | 0° $\text{B}$             |            |                     |  | -7232 Nov 26 j 06:42 | 0° $\text{M}$             |            |
| evening rise        | -7234 Jun 15 j 17:35 | 8° $\text{B}$ 24'51       |            | morning max el      |  | -7232 Dec 16 j 05:25 | 18° $\text{M}$ 02'12      | 46°19'10   |
|                     | -7234 Jul 02 j 23:46 | 0° $\text{II}$            |            |                     |  | -7232 Dec 27 j 23:13 | 0° $\text{L}$             |            |
|                     | -7234 Jul 26 j 23:20 | 0° $\text{G}$             |            |                     |  | -7231 Jan 24 j 12:49 | 0° $\text{M}$             |            |
|                     | -7234 Aug 20 j 00:59 | 0° $\text{Q}$             |            | desc. node          |  | -7231 Feb 16 j 19:50 | 26° $\text{M}$ 29'39      |            |
| desc. node          | -7234 Sep 01 j 18:50 | 15° $\text{Q}$ 48'01      |            |                     |  | -7231 Feb 19 j 20:43 | 0° $\text{J}$             |            |
|                     | -7234 Sep 13 j 07:03 | 0° $\text{M}$             |            |                     |  | -7231 Mar 17 j 12:29 | 0° $\text{Z}$             |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
|                     | -7231 Apr 11 j 16:03 | 0°♊       |            |                     |  | -7229 Oct 28 j 10:20 | 0°♌       |            |
|                     | -7231 May 06 j 09:13 | 0°♋       |            | greatest brilliancy |  | -7229 Nov 17 j 05:01 | 12°♌37'44 | -4.9m      |
|                     | -7231 May 30 j 17:28 | 0°♐       |            | asc. node           |  | -7229 Nov 24 j 19:21 | 14°♌42'13 |            |
| asc. node           | -7231 Jun 09 j 01:26 | 11°♐36'06 |            | retrograde          |  | -7229 Nov 28 j 03:50 | 14°♌56'01 |            |
| morning set         | -7231 Jun 11 j 08:38 | 14°♐28'12 |            | evening set         |  | -7229 Dec 13 j 15:28 | 10°♌03'11 |            |
|                     | -7231 Jun 23 j 18:39 | 0°♌       |            | min. Earth dist.    |  | -7229 Dec 18 j 08:11 | 7°♌09'00  | 0.28398 AU |
| max. Earth dist.    | -7231 Jul 16 j 12:19 | 28°♌35'39 | 1.71126 AU | inferior conj       |  | -7229 Dec 19 j 06:38 | 6°♌32'59  | 5°22'02    |
|                     | -7231 Jul 17 j 15:05 | 0°♍       |            | minimum elong       |  | -7229 Dec 18 j 21:56 | 6°♌46'58  | 5°19'51    |
|                     |                      |           |            | morning rise        |  | -7229 Dec 24 j 05:07 | 3°♌28'34  |            |
| superior conj       | -7231 Jul 18 j 23:02 | 1°♍40'47  | 1°15'12    |                     |  | -7229 Dec 31 j 08:13 | 30°♋♌     |            |
| minimum elong       | -7231 Jul 18 j 15:21 | 1°♍16'32  | 1°15'27    | direct              |  | -7228 Jan 09 j 07:41 | 28°♌20'57 |            |
|                     | -7231 Aug 10 j 09:34 | 0°♎       |            | greatest brilliancy |  | -7228 Jan 18 j 03:10 | 29°♌47'33 | -4.8m      |
| evening rise        | -7231 Aug 27 j 19:32 | 21°♎57'38 |            |                     |  | -7228 Jan 18 j 18:32 | 0°♌       |            |
|                     | -7231 Sep 03 j 04:52 | 0°♏       |            | morning max el      |  | -7228 Feb 27 j 02:09 | 28°♌10'06 | 45°54'18   |
|                     | -7231 Sep 27 j 03:10 | 0°♐       |            |                     |  | -7228 Feb 29 j 00:11 | 0°♑       |            |
| desc. node          | -7231 Sep 29 j 07:16 | 2°♐42'40  |            | desc. node          |  | -7228 Mar 16 j 07:17 | 16°♑24'35 |            |
|                     | -7231 Oct 21 j 05:44 | 0°♑       |            |                     |  | -7228 Mar 29 j 00:40 | 0°♑       |            |
|                     | -7231 Nov 14 j 13:43 | 0°♌       |            |                     |  | -7228 Apr 24 j 17:40 | 0°♊       |            |
|                     | -7231 Dec 09 j 05:33 | 0°♑       |            |                     |  | -7228 May 20 j 06:52 | 0°♋       |            |
|                     | -7230 Jan 03 j 11:10 | 0°♑       |            |                     |  | -7228 Jun 14 j 01:58 | 0°♐       |            |
| asc. node           | -7230 Jan 19 j 14:46 | 18°♑36'24 |            | asc. node           |  | -7228 Jul 06 j 14:32 | 27°♐49'55 |            |
|                     | -7230 Jan 29 j 19:26 | 0°♊       |            |                     |  | -7228 Jul 08 j 08:17 | 0°♌       |            |
|                     | -7230 Feb 27 j 16:26 | 0°♋       |            | greatest brilliancy |  | -7228 Jul 31 j 12:02 | 29°♌03'00 | -3.9m      |
| evening max el      | -7230 Mar 01 j 01:21 | 1°♋18'22  | 45°00'01   |                     |  | -7228 Aug 01 j 06:07 | 0°♍       |            |
| greatest brilliancy | -7230 Apr 07 j 20:51 | 28°♋18'48 | -4.7m      | morning set         |  | -7228 Aug 23 j 00:23 | 27°♍30'15 |            |
|                     | -7230 Apr 14 j 22:37 | 0°♐       |            |                     |  | -7228 Aug 24 j 23:43 | 0°♎       |            |
| retrograde          | -7230 Apr 18 j 03:50 | 0°♐11'38  |            |                     |  | -7228 Sep 17 j 17:05 | 0°♏       |            |
|                     | -7230 Apr 21 j 07:53 | 30°♋♋     |            |                     |  |                      |           |            |
| evening set         | -7230 May 03 j 00:54 | 26°♋02'10 |            | superior conj       |  | -7228 Oct 03 j 08:41 | 19°♏43'05 | 0°50'25    |
| inferior conj       | -7230 May 09 j 09:57 | 22°♋21'17 | 0°37'53    | minimum elong       |  | -7228 Oct 03 j 20:05 | 20°♏18'57 | 0°50'19    |
| minimum elong       | -7230 May 09 j 11:21 | 22°♋19'09 | 0°37'21    | max. Earth dist.    |  | -7228 Oct 09 j 06:04 | 27°♏07'14 | 1.71169 AU |
| min. Earth dist.    | -7230 May 10 j 07:35 | 21°♋48'26 | 0.28175 AU |                     |  | -7228 Oct 11 j 13:08 | 0°♐       |            |
| desc. node          | -7230 May 12 j 02:47 | 20°♋43'22 |            | desc. node          |  | -7228 Oct 26 j 20:23 | 19°♐09'02 |            |
| morning rise        | -7230 May 15 j 20:41 | 18°♋35'05 |            |                     |  | -7228 Nov 04 j 13:11 | 0°♑       |            |
| direct              | -7230 May 30 j 23:03 | 14°♋13'44 |            | evening rise        |  | -7228 Nov 15 j 08:12 | 13°♑25'20 |            |
| greatest brilliancy | -7230 Jun 11 j 12:01 | 16°♋36'49 | -4.8m      |                     |  | -7228 Nov 28 j 17:15 | 0°♌       |            |
|                     | -7230 Jul 02 j 14:15 | 0°♐       |            |                     |  | -7228 Dec 23 j 01:16 | 0°♑       |            |
| morning max el      | -7230 Jul 20 j 01:29 | 16°♐02'14 | 46°35'24   |                     |  | -7227 Jan 16 j 14:18 | 0°♑       |            |
|                     | -7230 Aug 02 j 10:50 | 0°♌       |            |                     |  | -7227 Feb 10 j 11:10 | 0°♊       |            |
|                     | -7230 Aug 28 j 21:24 | 0°♍       |            | asc. node           |  | -7227 Feb 16 j 02:18 | 6°♊42'59  |            |
| asc. node           | -7230 Sep 01 j 12:59 | 4°♍18'41  |            |                     |  | -7227 Mar 07 j 20:32 | 0°♋       |            |
|                     | -7230 Sep 22 j 20:52 | 0°♎       |            |                     |  | -7227 Apr 03 j 02:00 | 0°♐       |            |
|                     | -7230 Oct 17 j 06:41 | 0°♏       |            |                     |  | -7227 Apr 30 j 21:40 | 0°♌       |            |
|                     | -7230 Nov 10 j 13:17 | 0°♑       |            | evening max el      |  | -7227 May 12 j 12:15 | 11°♌34'37 | 46°02'13   |
|                     | -7230 Dec 04 j 21:35 | 0°♑       |            |                     |  | -7227 Jun 02 j 17:51 | 0°♍       |            |
| desc. node          | -7230 Dec 22 j 20:47 | 22°♑02'51 |            | desc. node          |  | -7227 Jun 08 j 13:23 | 4°♍03'56  |            |
|                     | -7230 Dec 29 j 08:35 | 0°♌       |            | greatest brilliancy |  | -7227 Jun 21 j 11:55 | 10°♍34'49 | -4.8m      |
|                     | -7229 Jan 22 j 20:59 | 0°♑       |            | retrograde          |  | -7227 Jul 01 j 02:00 | 12°♍14'40 |            |
| morning set         | -7229 Jan 25 j 06:26 | 2°♑55'43  |            | evening set         |  | -7227 Jul 17 j 22:37 | 6°♍54'36  |            |
|                     | -7229 Feb 16 j 09:07 | 0°♑       |            | inferior conj       |  | -7227 Jul 21 j 20:24 | 4°♍36'16  | -8°18'59   |
| max. Earth dist.    | -7229 Mar 01 j 13:50 | 16°♑10'58 | 1.73772 AU | minimum elong       |  | -7227 Jul 21 j 13:00 | 4°♍47'22  | 8°17'43    |
|                     |                      |           |            | min. Earth dist.    |  | -7227 Jul 21 j 19:09 | 4°♍38'10  | 0.26853 AU |
| superior conj       | -7229 Mar 03 j 06:32 | 18°♑15'49 | -1°15'48   | morning rise        |  | -7227 Jul 25 j 03:19 | 2°♍39'22  |            |
| minimum elong       | -7229 Mar 03 j 12:25 | 18°♑33'51 | 1°16'10    |                     |  | -7227 Jul 30 j 03:43 | 30°♋♌     |            |
|                     | -7229 Mar 12 j 20:00 | 0°♊       |            | direct              |  | -7227 Aug 11 j 11:54 | 26°♌58'45 |            |
|                     | -7229 Apr 06 j 05:36 | 0°♋       |            | greatest brilliancy |  | -7227 Aug 22 j 01:52 | 29°♌05'37 | -4.9m      |
| evening rise        | -7229 Apr 07 j 23:04 | 2°♋07'34  |            |                     |  | -7227 Aug 24 j 06:10 | 0°♍       |            |
| asc. node           | -7229 Apr 14 j 01:09 | 9°♋37'00  |            | asc. node           |  | -7227 Sep 29 j 00:11 | 28°♍14'48 |            |
|                     | -7229 Apr 30 j 14:23 | 0°♐       |            |                     |  | -7227 Sep 30 j 17:38 | 0°♎       |            |
|                     | -7229 May 24 j 23:00 | 0°♌       |            | morning max el      |  | -7227 Oct 01 j 06:33 | 0°♎33'00  | 46°47'01   |
|                     | -7229 Jun 18 j 08:33 | 0°♍       |            |                     |  | -7227 Oct 28 j 05:17 | 0°♏       |            |
|                     | -7229 Jul 12 j 21:10 | 0°♎       |            |                     |  | -7227 Nov 22 j 23:13 | 0°♐       |            |
| desc. node          | -7229 Aug 04 j 09:01 | 27°♎13'34 |            |                     |  | -7227 Dec 18 j 04:46 | 0°♑       |            |
|                     | -7229 Aug 06 j 16:30 | 0°♏       |            |                     |  | -7226 Jan 12 j 06:28 | 0°♌       |            |
|                     | -7229 Sep 01 j 01:24 | 0°♐       |            | desc. node          |  | -7226 Jan 19 j 09:38 | 8°♌33'25  |            |
|                     | -7229 Sep 27 j 16:29 | 0°♑       |            |                     |  | -7226 Feb 06 j 05:40 | 0°♑       |            |
| evening max el      | -7229 Oct 08 j 02:59 | 10°♑59'25 | 47°15'45   |                     |  | -7226 Mar 03 j 01:22 | 0°♑       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7226 Mar 27 j 16:32 | 0°♊       |            | retrograde          | -7224 Sep 14 j 02:30 | 29°♏05'12 |            |
| morning set         | -7226 Apr 03 j 02:44 | 7°♊51'58  |            | evening set         | -7224 Sep 29 j 21:03 | 24°♏09'36 |            |
|                     | -7226 Apr 21 j 02:52 | 0°♋       |            | inferior conj       | -7224 Oct 04 j 18:31 | 21°♏11'49 | -5°09'54   |
| max. Earth dist.    | -7226 May 04 j 06:36 | 16°♋15'12 | 1.72919 AU | minimum elong       | -7224 Oct 05 j 04:10 | 20°♏56'51 | 5°07'01    |
|                     |                      |           |            | min. Earth dist.    | -7224 Oct 04 j 11:29 | 21°♏22'45 | 0.26626 AU |
| superior conj       | -7226 May 08 j 13:36 | 21°♋34'07 | -0°07'05   | morning rise        | -7224 Oct 10 j 11:34 | 17°♏47'39 |            |
| minimum elong       | -7226 May 08 j 15:00 | 21°♋38'25 | 0°07'09    | direct              | -7224 Oct 24 j 23:18 | 13°♏33'04 |            |
| behind sun begin    | -7226 May 07 j 19:05 | 20°♋36'45 |            | asc. node           | -7224 Oct 26 j 10:58 | 13°♏35'46 |            |
| behind sun end      | -7226 May 09 j 10:54 | 22°♋40'06 |            | greatest brilliancy | -7224 Nov 03 j 19:01 | 15°♏23'28 | -4.9m      |
| asc. node           | -7226 May 11 j 14:24 | 25°♋19'45 |            |                     | -7224 Nov 26 j 18:47 | 0°♐       |            |
|                     | -7226 May 15 j 08:43 | 0°♑       |            | morning max el      | -7224 Dec 13 j 19:03 | 15°♐40'06 | 46°20'17   |
|                     | -7226 Jun 08 j 10:57 | 0°♒       |            |                     | -7224 Dec 27 j 18:22 | 0°♑       |            |
| evening rise        | -7226 Jun 13 j 11:17 | 6°♒15'38  |            |                     | -7223 Jan 24 j 03:47 | 0°♒       |            |
|                     | -7226 Jul 02 j 10:58 | 0°♓       |            | desc. node          | -7223 Feb 15 j 21:53 | 25°♓57'12 |            |
|                     | -7226 Jul 26 j 10:49 | 0°♑       |            |                     | -7223 Feb 19 j 09:49 | 0°♓       |            |
|                     | -7226 Aug 19 j 12:50 | 0°♒       |            |                     | -7223 Mar 17 j 00:33 | 0°♑       |            |
| desc. node          | -7226 Aug 31 j 20:51 | 15°♒17'03 |            |                     | -7223 Apr 11 j 03:30 | 0°♒       |            |
|                     | -7226 Sep 12 j 19:19 | 0°♐       |            |                     | -7223 May 05 j 20:19 | 0°♋       |            |
|                     | -7226 Oct 07 j 09:09 | 0°♑       |            |                     | -7223 May 30 j 04:25 | 0°♑       |            |
|                     | -7226 Nov 01 j 11:56 | 0°♒       |            | asc. node           | -7223 Jun 08 j 03:33 | 11°♑08'37 |            |
|                     | -7226 Nov 27 j 18:15 | 0°♓       |            | morning set         | -7223 Jun 09 j 01:34 | 12°♑17'13 |            |
| evening max el      | -7226 Dec 17 j 19:10 | 21°♓02'26 | 45°40'37   |                     | -7223 Jun 23 j 05:35 | 0°♒       |            |
| asc. node           | -7226 Dec 22 j 06:01 | 25°♓21'50 |            | max. Earth dist.    | -7223 Jul 13 j 23:34 | 26°♓05'10 | 1.71173 AU |
|                     | -7226 Dec 27 j 05:48 | 0°♑       |            |                     |                      |           |            |
| greatest brilliancy | -7225 Jan 24 j 21:16 | 19°♑40'56 | -4.7m      | superior conj       | -7223 Jul 16 j 13:21 | 29°♓19'52 | 1°13'38    |
| retrograde          | -7225 Feb 04 j 18:13 | 21°♑50'06 |            | minimum elong       | -7223 Jul 16 j 05:13 | 28°♓54'16 | 1°13'49    |
| evening set         | -7225 Feb 22 j 08:24 | 15°♑56'57 |            |                     | -7223 Jul 17 j 02:04 | 0°♒       |            |
| inferior conj       | -7225 Feb 26 j 05:53 | 13°♑30'35 | 7°47'15    |                     | -7223 Aug 09 j 20:38 | 0°♑       |            |
| minimum elong       | -7225 Feb 26 j 10:31 | 13°♑23'12 | 7°46'25    | evening rise        | -7223 Aug 25 j 05:26 | 19°♑22'41 |            |
| min. Earth dist.    | -7225 Feb 26 j 17:36 | 13°♑11'55 | 0.29555 AU |                     | -7223 Sep 02 j 16:02 | 0°♒       |            |
| morning rise        | -7225 Mar 02 j 12:35 | 10°♑49'54 |            |                     | -7223 Sep 26 j 14:26 | 0°♐       |            |
| direct              | -7225 Mar 20 j 03:51 | 4°♑59'31  |            | desc. node          | -7223 Sep 28 j 09:31 | 2°♐14'26  |            |
| greatest brilliancy | -7225 Mar 30 j 08:15 | 6°♑50'51  | -4.7m      |                     | -7223 Oct 20 j 17:11 | 0°♑       |            |
| desc. node          | -7225 Apr 13 j 18:19 | 14°♑28'47 |            |                     | -7223 Nov 14 j 01:26 | 0°♒       |            |
|                     | -7225 May 02 j 21:32 | 0°♒       |            |                     | -7223 Dec 08 j 17:46 | 0°♓       |            |
| morning max el      | -7225 May 08 j 05:44 | 5°♒01'12  | 46°02'18   |                     | -7222 Jan 03 j 00:24 | 0°♑       |            |
|                     | -7225 Jun 01 j 10:30 | 0°♋       |            | asc. node           | -7222 Jan 18 j 16:51 | 18°♑01'32 |            |
|                     | -7225 Jun 27 j 21:28 | 0°♑       |            |                     | -7222 Jan 29 j 11:00 | 0°♒       |            |
|                     | -7225 Jul 22 j 23:41 | 0°♒       |            | evening max el      | -7222 Feb 26 j 16:49 | 29°♒07'29 | 44°59'42   |
| asc. node           | -7225 Aug 04 j 03:07 | 14°♒52'58 |            |                     | -7222 Feb 27 j 15:05 | 0°♋       |            |
|                     | -7225 Aug 16 j 07:49 | 0°♓       |            | greatest brilliancy | -7222 Apr 05 j 10:16 | 26°♋05'21 | -4.7m      |
|                     | -7225 Sep 09 j 06:37 | 0°♑       |            | retrograde          | -7222 Apr 15 j 18:59 | 27°♋59'26 |            |
|                     | -7225 Oct 03 j 02:39 | 0°♒       |            | evening set         | -7222 Apr 30 j 16:54 | 23°♋47'48 |            |
|                     | -7225 Oct 27 j 00:22 | 0°♐       |            | inferior conj       | -7222 May 07 j 00:49 | 20°♋07'58 | 0°58'21    |
| morning set         | -7225 Nov 09 j 11:30 | 16°♐48'54 |            | minimum elong       | -7222 May 07 j 02:58 | 20°♋04'42 | 0°57'35    |
|                     | -7225 Nov 20 j 01:51 | 0°♑       |            | min. Earth dist.    | -7222 May 07 j 22:51 | 19°♋34'32 | 0.28238 AU |
| desc. node          | -7225 Nov 24 j 09:40 | 5°♑22'14  |            | desc. node          | -7222 May 11 j 05:00 | 17°♋38'05 |            |
|                     | -7225 Dec 14 j 07:03 | 0°♒       |            | morning rise        | -7222 May 13 j 12:02 | 16°♋21'11 |            |
|                     |                      |           |            | direct              | -7222 May 28 j 15:02 | 11°♋59'12 |            |
| superior conj       | -7225 Dec 21 j 00:13 | 8°♒17'26  | -0°55'21   | greatest brilliancy | -7222 Jun 09 j 03:29 | 14°♋22'14 | -4.8m      |
| minimum elong       | -7225 Dec 20 j 14:03 | 7°♒46'03  | 0°55'16    |                     | -7222 Jul 02 j 22:31 | 0°♑       |            |
| max. Earth dist.    | -7225 Dec 24 j 05:07 | 12°♒14'36 | 1.72927 AU | morning max el      | -7222 Jul 17 j 17:37 | 13°♑47'06 | 46°34'21   |
|                     | -7224 Jan 07 j 14:55 | 0°♓       |            |                     | -7222 Aug 02 j 05:06 | 0°♒       |            |
| evening rise        | -7224 Jan 28 j 13:20 | 25°♓44'09 |            |                     | -7222 Aug 28 j 12:08 | 0°♓       |            |
|                     | -7224 Feb 01 j 00:41 | 0°♑       |            | asc. node           | -7222 Aug 31 j 15:09 | 3°♓42'12  |            |
| greatest brilliancy | -7224 Feb 16 j 10:14 | 18°♑52'32 | -3.9m      |                     | -7222 Sep 22 j 10:03 | 0°♑       |            |
|                     | -7224 Feb 25 j 12:33 | 0°♒       |            |                     | -7222 Oct 16 j 19:01 | 0°♒       |            |
| asc. node           | -7224 Mar 15 j 14:32 | 23°♒15'54 |            |                     | -7222 Nov 10 j 01:04 | 0°♐       |            |
|                     | -7224 Mar 21 j 03:36 | 0°♋       |            |                     | -7222 Dec 04 j 09:00 | 0°♑       |            |
|                     | -7224 Apr 14 j 23:16 | 0°♑       |            | desc. node          | -7222 Dec 21 j 22:51 | 21°♑34'50 |            |
|                     | -7224 May 10 j 01:26 | 0°♒       |            |                     | -7222 Dec 28 j 19:43 | 0°♒       |            |
|                     | -7224 Jun 04 j 13:53 | 0°♓       |            |                     | -7221 Jan 22 j 07:55 | 0°♓       |            |
|                     | -7224 Jun 30 j 22:32 | 0°♑       |            | morning set         | -7221 Jan 22 j 22:06 | 0°♓43'25  |            |
| desc. node          | -7224 Jul 05 j 23:59 | 5°♑34'20  |            |                     | -7221 Feb 15 j 19:54 | 0°♑       |            |
| evening max el      | -7224 Jul 25 j 06:29 | 25°♑51'02 | 47°33'47   | max. Earth dist.    | -7221 Feb 27 j 12:50 | 14°♑21'15 | 1.73776 AU |
|                     | -7224 Jul 29 j 11:10 | 0°♒       |            |                     |                      |           |            |
| greatest brilliancy | -7224 Sep 04 j 18:17 | 27°♒24'33 | -4.9m      | superior conj       | -7221 Mar 01 j 01:08 | 16°♑12'37 | -1°16'53   |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                       |            |                     |                      |                       |            |
|---------------------|----------------------|-----------------------|------------|---------------------|----------------------|-----------------------|------------|
| minimum elong       | -7221 Mar 01 j 06:35 | 16° $\text{Z}$ 29'20  | 1°17'17    |                     | -7219 Jul 23 j 00:16 | 30° $\text{R}$ 8      |            |
|                     | -7221 Mar 12 j 06:44 | 0° $\approx$          |            | direct              | -7219 Aug 09 j 00:39 | 24° $\text{B}$ 31'47  |            |
| evening rise        | -7221 Apr 05 j 18:36 | 0° $\text{X}$ 06'43   |            | greatest brilliancy | -7219 Aug 19 j 15:36 | 26° $\text{B}$ 38'57  | -4.9m      |
|                     | -7221 Apr 05 j 16:25 | 0° $\text{X}$         |            |                     | -7219 Aug 26 j 14:19 | 0° $\text{II}$        |            |
| asc. node           | -7221 Apr 13 j 03:24 | 9° $\text{X}$ 10'31   |            | asc. node           | -7219 Sep 28 j 02:32 | 27° $\text{II}$ 21'17 |            |
|                     | -7221 Apr 30 j 01:24 | 0° $\text{Y}$         |            | morning max el      | -7219 Sep 28 j 18:18 | 28° $\text{II}$ 01'37 | 46°47'17   |
|                     | -7221 May 24 j 10:22 | 0° $\text{B}$         |            |                     | -7219 Sep 30 j 16:13 | 0° $\text{C}$         |            |
|                     | -7221 Jun 17 j 20:24 | 0° $\text{II}$        |            |                     | -7219 Oct 27 j 21:45 | 0° $\text{Q}$         |            |
|                     | -7221 Jul 12 j 09:41 | 0° $\text{C}$         |            |                     | -7219 Nov 22 j 13:19 | 0° $\text{M}$         |            |
| desc. node          | -7221 Aug 03 j 11:05 | 26° $\text{C}$ 39'34  |            |                     | -7219 Dec 17 j 17:36 | 0° $\text{L}$         |            |
|                     | -7221 Aug 06 j 06:01 | 0° $\text{Q}$         |            |                     | -7218 Jan 11 j 18:28 | 0° $\text{M}$         |            |
|                     | -7221 Aug 31 j 16:37 | 0° $\text{M}$         |            | desc. node          | -7218 Jan 18 j 11:40 | 8° $\text{M}$ 03'56   |            |
|                     | -7221 Sep 27 j 11:33 | 0° $\text{L}$         |            |                     | -7218 Feb 05 j 17:07 | 0° $\text{X}$         |            |
| evening max el      | -7221 Oct 05 j 20:04 | 8° $\text{L}$ 45'11   | 47°18'33   |                     | -7218 Mar 02 j 12:27 | 0° $\text{Z}$         |            |
|                     | -7221 Oct 28 j 22:18 | 0° $\text{M}$         |            |                     | -7218 Mar 27 j 03:25 | 0° $\approx$          |            |
| greatest brilliancy | -7221 Nov 14 j 21:52 | 10° $\text{M}$ 23'10  | -4.9m      | morning set         | -7218 Mar 31 j 22:08 | 5° $\approx$ 51'07    |            |
| asc. node           | -7221 Nov 23 j 21:33 | 12° $\text{M}$ 36'33  |            |                     | -7218 Apr 20 j 13:42 | 0° $\text{X}$         |            |
| retrograde          | -7221 Nov 25 j 21:03 | 12° $\text{M}$ 41'24  |            | max. Earth dist.    | -7218 May 02 j 01:20 | 14° $\text{X}$ 11'10  | 1.72977 AU |
| evening set         | -7221 Dec 11 j 05:46 | 7° $\text{M}$ 51'52   |            |                     |                      |                       |            |
| min. Earth dist.    | -7221 Dec 15 j 23:34 | 4° $\text{M}$ 56'06   | 0.28322 AU | superior conj       | -7218 May 06 j 08:39 | 19° $\text{X}$ 30'53  | -0°10'06   |
| inferior conj       | -7221 Dec 16 j 22:47 | 4° $\text{M}$ 18'52   | 5°06'57    | minimum elong       | -7218 May 06 j 10:37 | 19° $\text{X}$ 36'58  | 0°10'08    |
| minimum elong       | -7221 Dec 16 j 14:13 | 4° $\text{M}$ 32'37   | 5°04'45    | behind sun begin    | -7218 May 05 j 17:28 | 18° $\text{X}$ 43'53  |            |
| morning rise        | -7221 Dec 21 j 23:30 | 1° $\text{M}$ 11'28   |            | behind sun end      | -7218 May 07 j 03:45 | 20° $\text{X}$ 30'04  |            |
|                     | -7221 Dec 24 j 02:41 | 30° $\text{R}$ 2      |            | asc. node           | -7218 May 10 j 16:30 | 24° $\text{X}$ 52'38  |            |
| direct              | -7220 Jan 06 j 23:27 | 26° $\text{L}$ 08'12  |            |                     | -7218 May 14 j 19:36 | 0° $\text{Y}$         |            |
| greatest brilliancy | -7220 Jan 15 j 17:37 | 27° $\text{L}$ 34'10  | -4.8m      |                     | -7218 Jun 07 j 21:58 | 0° $\text{B}$         |            |
|                     | -7220 Jan 21 j 18:52 | 0° $\text{M}$         |            | evening rise        | -7218 Jun 11 j 04:52 | 4° $\text{B}$ 06'09   |            |
| morning max el      | -7220 Feb 24 j 18:29 | 26° $\text{M}$ 01'32  | 45°54'32   |                     | -7218 Jul 01 j 22:12 | 0° $\text{II}$        |            |
|                     | -7220 Feb 28 j 21:34 | 0° $\text{X}$         |            |                     | -7218 Jul 25 j 22:20 | 0° $\text{C}$         |            |
| desc. node          | -7220 Mar 15 j 09:34 | 15° $\text{X}$ 45'10  |            |                     | -7218 Aug 19 j 00:40 | 0° $\text{Q}$         |            |
|                     | -7220 Mar 28 j 16:02 | 0° $\text{Z}$         |            | desc. node          | -7218 Aug 30 j 23:06 | 14° $\text{Q}$ 46'53  |            |
|                     | -7220 Apr 24 j 06:50 | 0° $\approx$          |            |                     | -7218 Sep 12 j 07:35 | 0° $\text{M}$         |            |
|                     | -7220 May 19 j 18:59 | 0° $\text{X}$         |            |                     | -7218 Oct 06 j 22:03 | 0° $\text{L}$         |            |
|                     | -7220 Jun 13 j 13:33 | 0° $\text{Y}$         |            |                     | -7218 Nov 01 j 02:01 | 0° $\text{M}$         |            |
| asc. node           | -7220 Jul 05 j 16:36 | 27° $\text{Y}$ 21'07  |            |                     | -7218 Nov 27 j 11:05 | 0° $\text{X}$         |            |
|                     | -7220 Jul 07 j 19:35 | 0° $\text{B}$         |            | evening max el      | -7218 Dec 15 j 09:48 | 18° $\text{X}$ 46'37  | 45°43'34   |
| greatest brilliancy | -7220 Jul 31 j 10:43 | 29° $\text{B}$ 39'21  | -3.9m      | asc. node           | -7218 Dec 21 j 08:10 | 24° $\text{X}$ 30'49  |            |
|                     | -7220 Jul 31 j 17:16 | 0° $\text{II}$        |            |                     | -7218 Dec 27 j 08:35 | 0° $\text{Z}$         |            |
| morning set         | -7220 Aug 20 j 11:35 | 24° $\text{II}$ 58'40 |            | greatest brilliancy | -7217 Jan 22 j 14:33 | 17° $\text{Z}$ 34'43  | -4.7m      |
|                     | -7220 Aug 24 j 10:50 | 0° $\text{C}$         |            | retrograde          | -7217 Feb 02 j 11:12 | 19° $\text{Z}$ 44'25  |            |
|                     | -7220 Sep 17 j 04:12 | 0° $\text{Q}$         |            | evening set         | -7217 Feb 20 j 02:48 | 13° $\text{Z}$ 49'07  |            |
|                     |                      |                       |            | inferior conj       | -7217 Feb 23 j 23:18 | 11° $\text{Z}$ 24'15  | 7°51'57    |
| superior conj       | -7220 Sep 30 j 17:06 | 17° $\text{Q}$ 03'36  | 0°53'33    | minimum elong       | -7217 Feb 24 j 03:21 | 11° $\text{Z}$ 17'47  | 7°51'12    |
| minimum elong       | -7220 Oct 01 j 04:45 | 17° $\text{Q}$ 40'13  | 0°53'29    | min. Earth dist.    | -7217 Feb 24 j 10:08 | 11° $\text{Z}$ 06'57  | 0.29561 AU |
| max. Earth dist.    | -7220 Oct 06 j 14:20 | 24° $\text{Q}$ 27'30  | 1.71120 AU | morning rise        | -7217 Feb 28 j 03:48 | 8° $\text{Z}$ 46'38   |            |
|                     | -7220 Oct 11 j 00:16 | 0° $\text{M}$         |            | direct              | -7217 Mar 17 j 20:21 | 2° $\text{Z}$ 53'00   |            |
| desc. node          | -7220 Oct 25 j 22:32 | 18° $\text{M}$ 40'59  |            | greatest brilliancy | -7217 Mar 28 j 00:19 | 4° $\text{Z}$ 43'34   | -4.7m      |
|                     | -7220 Nov 04 j 00:19 | 0° $\text{L}$         |            | desc. node          | -7217 Apr 12 j 20:28 | 13° $\text{Z}$ 19'14  |            |
| evening rise        | -7220 Nov 12 j 18:02 | 10° $\text{L}$ 52'17  |            |                     | -7217 May 02 j 21:32 | 0° $\approx$          |            |
|                     | -7220 Nov 28 j 04:23 | 0° $\text{M}$         |            | morning max el      | -7217 May 05 j 21:19 | 2° $\approx$ 50'05    | 46°01'29   |
|                     | -7220 Dec 22 j 12:27 | 0° $\text{X}$         |            |                     | -7217 Jun 01 j 02:44 | 0° $\text{X}$         |            |
|                     | -7219 Jan 16 j 01:42 | 0° $\text{Z}$         |            |                     | -7217 Jun 27 j 11:13 | 0° $\text{Y}$         |            |
|                     | -7219 Feb 09 j 23:07 | 0° $\approx$          |            |                     | -7217 Jul 22 j 12:20 | 0° $\text{B}$         |            |
| asc. node           | -7219 Feb 15 j 04:30 | 6° $\approx$ 13'32    |            | asc. node           | -7217 Aug 03 j 05:17 | 14° $\text{B}$ 21'35  |            |
|                     | -7219 Mar 07 j 09:33 | 0° $\text{X}$         |            |                     | -7217 Aug 15 j 19:53 | 0° $\text{II}$        |            |
|                     | -7219 Apr 02 j 17:09 | 0° $\text{Y}$         |            |                     | -7217 Sep 08 j 18:23 | 0° $\text{C}$         |            |
|                     | -7219 Apr 30 j 17:53 | 0° $\text{B}$         |            |                     | -7217 Oct 02 j 14:13 | 0° $\text{Q}$         |            |
| evening max el      | -7219 May 10 j 01:52 | 9° $\text{B}$ 14'16   | 45°58'42   |                     | -7217 Oct 26 j 11:45 | 0° $\text{M}$         |            |
|                     | -7219 Jun 03 j 14:53 | 0° $\text{II}$        |            | morning set         | -7217 Nov 06 j 21:29 | 14° $\text{M}$ 15'07  |            |
| desc. node          | -7219 Jun 07 j 15:31 | 2° $\text{II}$ 38'19  |            |                     | -7217 Nov 19 j 13:05 | 0° $\text{L}$         |            |
| greatest brilliancy | -7219 Jun 18 j 23:19 | 8° $\text{II}$ 08'03  | -4.8m      | desc. node          | -7217 Nov 23 j 11:41 | 4° $\text{L}$ 53'41   |            |
| retrograde          | -7219 Jun 28 j 13:18 | 9° $\text{II}$ 47'41  |            |                     | -7217 Dec 13 j 18:12 | 0° $\text{M}$         |            |
| evening set         | -7219 Jul 15 j 06:31 | 4° $\text{II}$ 34'11  |            |                     |                      |                       |            |
| inferior conj       | -7219 Jul 19 j 08:35 | 2° $\text{II}$ 09'44  | -8°09'21   | superior conj       | -7217 Dec 18 j 13:03 | 5° $\text{M}$ 54'37   | -0°52'42   |
| minimum elong       | -7219 Jul 19 j 00:32 | 2° $\text{II}$ 21'50  | 8°07'56    | minimum elong       | -7217 Dec 18 j 02:56 | 5° $\text{M}$ 23'24   | 0°52'34    |
| min. Earth dist.    | -7219 Jul 19 j 07:50 | 2° $\text{II}$ 10'52  | 0.26878 AU | max. Earth dist.    | -7217 Dec 21 j 20:37 | 10° $\text{M}$ 00'08  | 1.72872 AU |
| morning rise        | -7219 Jul 22 j 18:26 | 0° $\text{II}$ 08'24  |            |                     | -7216 Jan 07 j 02:00 | 0° $\text{X}$         |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |            |                     |                      |                      |            |
|---------------------|----------------------|----------------------|------------|---------------------|----------------------|----------------------|------------|
| evening rise        | -7216 Jan 26 j 05:53 | 23° $\text{♁}$ 33'37 |            |                     | -7214 Aug 28 j 02:56 | 0° $\text{♁}$        |            |
|                     | -7216 Jan 31 j 11:46 | 0° $\text{♁}$        |            | asc. node           | -7214 Aug 30 j 17:29 | 3° $\text{♁}$ 05'47  |            |
| greatest brilliancy | -7216 Feb 16 j 17:39 | 19° $\text{♁}$ 54'37 | -3.9m      |                     | -7214 Sep 21 j 23:26 | 0° $\text{♁}$        |            |
|                     | -7216 Feb 24 j 23:44 | 0° $\text{♁}$        |            |                     | -7214 Oct 16 j 07:38 | 0° $\text{♁}$        |            |
| asc. node           | -7216 Mar 14 j 16:49 | 22° $\text{♁}$ 48'14 |            |                     | -7214 Nov 09 j 13:14 | 0° $\text{♁}$        |            |
|                     | -7216 Mar 20 j 15:05 | 0° $\text{♁}$        |            |                     | -7214 Dec 03 j 20:48 | 0° $\text{♁}$        |            |
|                     | -7216 Apr 14 j 11:19 | 0° $\text{♁}$        |            | desc. node          | -7214 Dec 21 j 00:57 | 21° $\text{♁}$ 05'48 |            |
|                     | -7216 May 09 j 14:27 | 0° $\text{♁}$        |            |                     | -7214 Dec 28 j 07:13 | 0° $\text{♁}$        |            |
|                     | -7216 Jun 04 j 04:31 | 0° $\text{♁}$        |            | morning set         | -7213 Jan 20 j 13:25 | 28° $\text{♁}$ 29'01 |            |
|                     | -7216 Jun 30 j 16:15 | 0° $\text{♁}$        |            |                     | -7213 Jan 21 j 19:09 | 0° $\text{♁}$        |            |
| desc. node          | -7216 Jul 05 j 02:04 | 4° $\text{♁}$ 49'26  |            |                     | -7213 Feb 15 j 06:58 | 0° $\text{♁}$        |            |
| evening max el      | -7216 Jul 22 j 19:14 | 23° $\text{♁}$ 23'17 | 47°31'48   | max. Earth dist.    | -7213 Feb 25 j 12:42 | 12° $\text{♁}$ 33'19 | 1.73773 AU |
|                     | -7216 Jul 29 j 13:26 | 0° $\text{♁}$        |            |                     |                      |                      |            |
| greatest brilliancy | -7216 Sep 02 j 08:26 | 24° $\text{♁}$ 55'38 | -4.9m      | superior conj       | -7213 Feb 26 j 19:32 | 14° $\text{♁}$ 07'55 | -1°17'53   |
| retrograde          | -7216 Sep 11 j 15:15 | 26° $\text{♁}$ 35'19 |            | minimum elong       | -7213 Feb 27 j 00:32 | 14° $\text{♁}$ 23'15 | 1°18'19    |
| evening set         | -7216 Sep 27 j 12:47 | 21° $\text{♁}$ 35'33 |            |                     | -7213 Mar 11 j 17:46 | 0° $\text{♁}$        |            |
| inferior conj       | -7216 Oct 02 j 07:14 | 18° $\text{♁}$ 42'44 | -5°29'17   | evening rise        | -7213 Apr 03 j 14:10 | 28° $\text{♁}$ 05'03 |            |
| minimum elong       | -7216 Oct 02 j 17:12 | 18° $\text{♁}$ 27'18 | 5°26'24    |                     | -7213 Apr 05 j 03:33 | 0° $\text{♁}$        |            |
| min. Earth dist.    | -7216 Oct 02 j 01:07 | 18° $\text{♁}$ 52'13 | 0.26606 AU | asc. node           | -7213 Apr 12 j 05:29 | 8° $\text{♁}$ 42'33  |            |
| morning rise        | -7216 Oct 07 j 21:51 | 15° $\text{♁}$ 22'22 |            |                     | -7213 Apr 29 j 12:45 | 0° $\text{♁}$        |            |
| direct              | -7216 Oct 22 j 11:27 | 11° $\text{♁}$ 04'18 |            |                     | -7213 May 23 j 22:03 | 0° $\text{♁}$        |            |
| asc. node           | -7216 Oct 25 j 13:06 | 11° $\text{♁}$ 15'42 |            |                     | -7213 Jun 17 j 08:34 | 0° $\text{♁}$        |            |
| greatest brilliancy | -7216 Nov 01 j 08:56 | 12° $\text{♁}$ 56'30 | -4.9m      |                     | -7213 Jul 11 j 22:31 | 0° $\text{♁}$        |            |
|                     | -7216 Nov 27 j 04:11 | 0° $\text{♁}$        |            | desc. node          | -7213 Aug 02 j 13:23 | 26° $\text{♁}$ 05'20 |            |
| morning max el      | -7216 Dec 11 j 09:18 | 13° $\text{♁}$ 18'33 | 46°21'35   |                     | -7213 Aug 05 j 19:53 | 0° $\text{♁}$        |            |
|                     | -7216 Dec 27 j 13:16 | 0° $\text{♁}$        |            |                     | -7213 Aug 31 j 08:20 | 0° $\text{♁}$        |            |
|                     | -7215 Jan 23 j 18:46 | 0° $\text{♁}$        |            |                     | -7213 Sep 27 j 07:31 | 0° $\text{♁}$        |            |
| desc. node          | -7215 Feb 15 j 00:08 | 25° $\text{♁}$ 25'03 |            | evening max el      | -7213 Oct 03 j 12:56 | 6° $\text{♁}$ 29'08  | 47°20'57   |
|                     | -7215 Feb 18 j 23:00 | 0° $\text{♁}$        |            |                     | -7213 Oct 29 j 15:09 | 0° $\text{♁}$        |            |
|                     | -7215 Mar 16 j 12:45 | 0° $\text{♁}$        |            | greatest brilliancy | -7213 Nov 12 j 15:03 | 8° $\text{♁}$ 07'06  | -4.9m      |
|                     | -7215 Apr 10 j 15:07 | 0° $\text{♁}$        |            | asc. node           | -7213 Nov 22 j 23:45 | 10° $\text{♁}$ 23'58 |            |
|                     | -7215 May 05 j 07:35 | 0° $\text{♁}$        |            | retrograde          | -7213 Nov 23 j 13:40 | 10° $\text{♁}$ 24'23 |            |
|                     | -7215 May 29 j 15:32 | 0° $\text{♁}$        |            | evening set         | -7213 Dec 08 j 19:58 | 5° $\text{♁}$ 38'22  |            |
| morning set         | -7215 Jun 06 j 18:55 | 10° $\text{♁}$ 07'10 |            | min. Earth dist.    | -7213 Dec 13 j 15:04 | 2° $\text{♁}$ 40'37  | 0.28244 AU |
| asc. node           | -7215 Jun 07 j 05:40 | 10° $\text{♁}$ 40'39 |            | inferior conj       | -7213 Dec 14 j 14:43 | 2° $\text{♁}$ 02'39  | 4°51'15    |
|                     | -7215 Jun 22 j 16:41 | 0° $\text{♁}$        |            | minimum elong       | -7213 Dec 14 j 06:21 | 2° $\text{♁}$ 16'06  | 4°49'02    |
| max. Earth dist.    | -7215 Jul 11 j 11:31 | 23° $\text{♁}$ 36'23 | 1.71225 AU |                     | -7213 Dec 17 j 20:19 | 30° $\text{♁}$       |            |
|                     |                      |                      |            | morning rise        | -7213 Dec 19 j 17:39 | 28° $\text{♁}$ 52'06 |            |
| superior conj       | -7215 Jul 14 j 03:55 | 26° $\text{♁}$ 59'16 | 1°11'55    | direct              | -7212 Jan 04 j 14:59 | 23° $\text{♁}$ 53'30 |            |
| minimum elong       | -7215 Jul 13 j 19:27 | 26° $\text{♁}$ 32'35 | 1°12'06    | greatest brilliancy | -7212 Jan 13 j 08:14 | 25° $\text{♁}$ 18'55 | -4.8m      |
|                     | -7215 Jul 16 j 13:16 | 0° $\text{♁}$        |            |                     | -7212 Jan 23 j 14:51 | 0° $\text{♁}$        |            |
|                     | -7215 Aug 09 j 07:58 | 0° $\text{♁}$        |            | morning max el      | -7212 Feb 22 j 09:52 | 23° $\text{♁}$ 49'21 | 45°54'52   |
| evening rise        | -7215 Aug 22 j 15:24 | 16° $\text{♁}$ 46'57 |            |                     | -7212 Feb 28 j 18:42 | 0° $\text{♁}$        |            |
|                     | -7215 Sep 02 j 03:31 | 0° $\text{♁}$        |            | desc. node          | -7212 Mar 14 j 11:46 | 15° $\text{♁}$ 04'49 |            |
|                     | -7215 Sep 26 j 02:04 | 0° $\text{♁}$        |            |                     | -7212 Mar 28 j 07:33 | 0° $\text{♁}$        |            |
| desc. node          | -7215 Sep 27 j 11:38 | 1° $\text{♁}$ 44'44  |            |                     | -7212 Apr 23 j 20:13 | 0° $\text{♁}$        |            |
|                     | -7215 Oct 20 j 04:59 | 0° $\text{♁}$        |            |                     | -7212 May 19 j 07:21 | 0° $\text{♁}$        |            |
|                     | -7215 Nov 13 j 13:30 | 0° $\text{♁}$        |            |                     | -7212 Jun 13 j 01:23 | 0° $\text{♁}$        |            |
|                     | -7215 Dec 08 j 06:20 | 0° $\text{♁}$        |            | asc. node           | -7212 Jul 04 j 18:47 | 26° $\text{♁}$ 51'48 |            |
|                     | -7214 Jan 02 j 14:01 | 0° $\text{♁}$        |            |                     | -7212 Jul 07 j 07:08 | 0° $\text{♁}$        |            |
| asc. node           | -7214 Jan 17 j 19:06 | 17° $\text{♁}$ 26'05 |            |                     | -7212 Jul 31 j 04:42 | 0° $\text{♁}$        |            |
|                     | -7214 Jan 29 j 03:06 | 0° $\text{♁}$        |            | greatest brilliancy | -7212 Jul 31 j 08:38 | 0° $\text{♁}$ 12'25  | -3.9m      |
| evening max el      | -7214 Feb 24 j 08:57 | 26° $\text{♁}$ 57'30 | 44°59'29   | morning set         | -7212 Aug 17 j 23:18 | 22° $\text{♁}$ 27'54 |            |
|                     | -7214 Feb 27 j 15:03 | 0° $\text{♁}$        |            |                     | -7212 Aug 23 j 22:12 | 0° $\text{♁}$        |            |
| greatest brilliancy | -7214 Apr 03 j 00:18 | 23° $\text{♁}$ 52'22 | -4.7m      |                     | -7212 Sep 16 j 15:34 | 0° $\text{♁}$        |            |
| retrograde          | -7214 Apr 13 j 10:11 | 25° $\text{♁}$ 47'01 |            |                     |                      |                      |            |
| evening set         | -7214 Apr 28 j 09:17 | 21° $\text{♁}$ 33'24 |            | superior conj       | -7212 Sep 28 j 02:04 | 14° $\text{♁}$ 25'04 | 0°56'32    |
| inferior conj       | -7214 May 04 j 15:54 | 17° $\text{♁}$ 54'37 | 1°18'29    | minimum elong       | -7212 Sep 28 j 13:51 | 15° $\text{♁}$ 02'06 | 0°56'31    |
| minimum elong       | -7214 May 04 j 18:46 | 17° $\text{♁}$ 50'15 | 1°17'30    | max. Earth dist.    | -7212 Oct 03 j 22:10 | 21° $\text{♁}$ 45'34 | 1.71072 AU |
| min. Earth dist.    | -7214 May 05 j 14:09 | 17° $\text{♁}$ 20'46 | 0.28298 AU |                     | -7212 Oct 10 j 11:39 | 0° $\text{♁}$        |            |
| desc. node          | -7214 May 10 j 07:06 | 14° $\text{♁}$ 34'55 |            | desc. node          | -7212 Oct 25 j 00:33 | 18° $\text{♁}$ 11'48 |            |
| morning rise        | -7214 May 11 j 03:21 | 14° $\text{♁}$ 07'20 |            |                     | -7212 Nov 03 j 11:43 | 0° $\text{♁}$        |            |
| direct              | -7214 May 26 j 07:27 | 9° $\text{♁}$ 44'52  |            | evening rise        | -7212 Nov 10 j 03:49 | 8° $\text{♁}$ 18'04  |            |
| greatest brilliancy | -7214 Jun 06 j 18:30 | 12° $\text{♁}$ 06'56 | -4.8m      |                     | -7212 Nov 27 j 15:48 | 0° $\text{♁}$        |            |
|                     | -7214 Jul 03 j 04:40 | 0° $\text{♁}$        |            |                     | -7212 Dec 21 j 23:58 | 0° $\text{♁}$        |            |
| morning max el      | -7214 Jul 15 j 09:19 | 11° $\text{♁}$ 30'38 | 46°33'14   |                     | -7211 Jan 15 j 13:29 | 0° $\text{♁}$        |            |
|                     | -7214 Aug 01 j 23:09 | 0° $\text{♁}$        |            |                     | -7211 Feb 09 j 11:27 | 0° $\text{♁}$        |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                       |            |                     |                      |                        |            |
|---------------------|----------------------|-----------------------|------------|---------------------|----------------------|------------------------|------------|
| asc. node           | -7211 Feb 14 j 06:46 | 5° $\approx$ 43'10    |            | asc. node           | -7209 Aug 02 j 07:32 | 13° $\approx$ 50'30    |            |
|                     | -7211 Mar 06 j 22:59 | 0° $\approx$          |            |                     | -7209 Aug 15 j 07:57 | 0° $\approx$           |            |
|                     | -7211 Apr 02 j 08:49 | 0° $\approx$          |            |                     | -7209 Sep 08 j 06:09 | 0° $\approx$           |            |
|                     | -7211 Apr 30 j 15:04 | 0° $\approx$          |            |                     | -7209 Oct 02 j 01:48 | 0° $\approx$           |            |
| evening max el      | -7211 May 07 j 14:34 | 6° $\approx$ 51'11    | 45°55'18   |                     | -7209 Oct 25 j 23:11 | 0° $\approx$           |            |
|                     | -7211 Jun 04 j 19:51 | 0° $\approx$          |            | morning set         | -7209 Nov 04 j 07:34 | 11° $\approx$ 41'18    |            |
| desc. node          | -7211 Jun 06 j 17:44 | 1° $\approx$ 09'14    |            |                     | -7209 Nov 19 j 00:22 | 0° $\approx$           |            |
| greatest brilliancy | -7211 Jun 16 j 11:02 | 5° $\approx$ 41'16    | -4.8m      | desc. node          | -7209 Nov 22 j 13:49 | 4° $\approx$ 25'22     |            |
| retrograde          | -7211 Jun 26 j 00:35 | 7° $\approx$ 20'46    |            |                     | -7209 Dec 13 j 05:20 | 0° $\approx$           |            |
| evening set         | -7211 Jul 12 j 14:28 | 2° $\approx$ 13'33    |            |                     |                      |                        |            |
|                     | -7211 Jul 16 j 09:38 | 30° $\approx$         |            | superior conj       | -7209 Dec 16 j 01:51 | 3° $\approx$ 31'40     | -0°49'57   |
| inferior conj       | -7211 Jul 16 j 20:54 | 29° $\approx$ 43'05   | -7°58'49   | minimum elong       | -7209 Dec 15 j 15:51 | 3° $\approx$ 00'47     | 0°49'47    |
| minimum elong       | -7211 Jul 16 j 12:14 | 29° $\approx$ 56'06   | 7°57'14    | max. Earth dist.    | -7209 Dec 19 j 11:28 | 7° $\approx$ 43'37     | 1.72815 AU |
| min. Earth dist.    | -7211 Jul 16 j 20:54 | 29° $\approx$ 43'06   | 0.26905 AU |                     | -7208 Jan 06 j 13:03 | 0° $\approx$           |            |
| morning rise        | -7211 Jul 20 j 09:50 | 27° $\approx$ 37'12   |            | evening rise        | -7208 Jan 23 j 22:30 | 21° $\approx$ 23'24    |            |
| direct              | -7211 Aug 06 j 13:05 | 22° $\approx$ 04'24   |            |                     | -7208 Jan 30 j 22:49 | 0° $\approx$           |            |
| greatest brilliancy | -7211 Aug 17 j 06:03 | 24° $\approx$ 12'46   | -4.9m      | greatest brilliancy | -7208 Feb 17 j 14:40 | 21° $\approx$ 38'15    | -3.9m      |
|                     | -7211 Aug 28 j 03:04 | 0° $\approx$          |            |                     | -7208 Feb 24 j 10:56 | 0° $\approx$           |            |
| morning max el      | -7211 Sep 26 j 06:01 | 25° $\approx$ 29'30   | 46°47'43   | asc. node           | -7208 Mar 13 j 18:52 | 22° $\approx$ 19'44    |            |
| asc. node           | -7211 Sep 27 j 04:35 | 26° $\approx$ 27'31   |            |                     | -7208 Mar 20 j 02:36 | 0° $\approx$           |            |
|                     | -7211 Sep 30 j 14:09 | 0° $\approx$          |            |                     | -7208 Apr 13 j 23:27 | 0° $\approx$           |            |
|                     | -7211 Oct 27 j 14:07 | 0° $\approx$          |            |                     | -7208 May 09 j 03:33 | 0° $\approx$           |            |
|                     | -7211 Nov 22 j 03:27 | 0° $\approx$          |            |                     | -7208 Jun 03 j 19:18 | 0° $\approx$           |            |
|                     | -7211 Dec 17 j 06:32 | 0° $\approx$          |            |                     | -7208 Jun 30 j 10:18 | 0° $\approx$           |            |
|                     | -7210 Jan 11 j 06:39 | 0° $\approx$          |            | desc. node          | -7208 Jul 04 j 04:21 | 4° $\approx$ 04'39     |            |
| desc. node          | -7210 Jan 17 j 13:54 | 7° $\approx$ 34'26    |            | evening max el      | -7208 Jul 20 j 08:43 | 20° $\approx$ 57'42    | 47°29'47   |
|                     | -7210 Feb 05 j 04:47 | 0° $\approx$          |            |                     | -7208 Jul 29 j 17:07 | 0° $\approx$           |            |
|                     | -7210 Mar 01 j 23:47 | 0° $\approx$          |            | greatest brilliancy | -7208 Aug 30 j 21:45 | 22° $\approx$ 02'57    | -4.9m      |
|                     | -7210 Mar 26 j 14:32 | 0° $\approx$          |            | retrograde          | -7208 Sep 09 j 04:18 | 24° $\approx$ 05'22    |            |
| morning set         | -7210 Mar 29 j 17:19 | 3° $\approx$ 48'56    |            | evening set         | -7208 Sep 25 j 04:30 | 19° $\approx$ 01'11    |            |
|                     | -7210 Apr 20 j 00:43 | 0° $\approx$          |            | inferior conj       | -7208 Sep 29 j 19:48 | 16° $\approx$ 13'22    | -5°48'11   |
| max. Earth dist.    | -7210 Apr 29 j 21:48 | 12° $\approx$ 11'59   | 1.73031 AU | minimum elong       | -7208 Sep 30 j 06:02 | 15° $\approx$ 02'35    | 5°45'17    |
|                     |                      |                       |            | min. Earth dist.    | -7208 Sep 29 j 14:13 | 16° $\approx$ 02'22'00 | 0.26591 AU |
| superior conj       | -7210 May 04 j 03:37 | 17° $\approx$ 26'57   | -0°13'04   | morning rise        | -7208 Oct 05 j 07:47 | 12° $\approx$ 02'57'16 |            |
| minimum elong       | -7210 May 04 j 06:09 | 17° $\approx$ 34'46   | 0°13'07    | direct              | -7208 Oct 20 j 00:10 | 8° $\approx$ 03'51'19  |            |
| behind sun begin    | -7210 May 03 j 17:38 | 16° $\approx$ 56'04   |            | asc. node           | -7208 Oct 24 j 15:20 | 9° $\approx$ 01'10     |            |
| behind sun end      | -7210 May 04 j 18:39 | 18° $\approx$ 13'28   |            | greatest brilliancy | -7208 Oct 29 j 22:17 | 10° $\approx$ 02'8'44  | -4.9m      |
| asc. node           | -7210 May 09 j 18:34 | 24° $\approx$ 24'52   |            |                     | -7208 Nov 27 j 11:01 | 0° $\approx$           |            |
|                     | -7210 May 14 j 06:38 | 0° $\approx$          |            | morning max el      | -7208 Dec 09 j 00:08 | 10° $\approx$ 58'31    | 46°22'54   |
|                     | -7210 Jun 07 j 09:09 | 0° $\approx$          |            |                     | -7208 Dec 27 j 07:38 | 0° $\approx$           |            |
| evening rise        | -7210 Jun 08 j 22:36 | 1° $\approx$ 56'48    |            |                     | -7207 Jan 23 j 09:27 | 0° $\approx$           |            |
|                     | -7210 Jul 01 j 09:38 | 0° $\approx$          |            | desc. node          | -7207 Feb 14 j 02:15 | 24° $\approx$ 05'3'02  |            |
|                     | -7210 Jul 25 j 10:03 | 0° $\approx$          |            |                     | -7207 Feb 18 j 11:57 | 0° $\approx$           |            |
|                     | -7210 Aug 18 j 12:44 | 0° $\approx$          |            |                     | -7207 Mar 16 j 00:45 | 0° $\approx$           |            |
| desc. node          | -7210 Aug 30 j 01:14 | 14° $\approx$ 01'54'0 |            |                     | -7207 Apr 10 j 02:33 | 0° $\approx$           |            |
|                     | -7210 Sep 11 j 20:03 | 0° $\approx$          |            |                     | -7207 May 04 j 18:43 | 0° $\approx$           |            |
|                     | -7210 Oct 06 j 11:09 | 0° $\approx$          |            |                     | -7207 May 29 j 02:33 | 0° $\approx$           |            |
|                     | -7210 Oct 31 j 16:20 | 0° $\approx$          |            | morning set         | -7207 Jun 04 j 12:17 | 7° $\approx$ 57'35     |            |
|                     | -7210 Nov 27 j 04:19 | 0° $\approx$          |            | asc. node           | -7207 Jun 06 j 07:52 | 10° $\approx$ 51'3'12  |            |
| evening max el      | -7210 Dec 13 j 00:28 | 16° $\approx$ 30'42   | 45°46'33   |                     | -7207 Jun 22 j 03:42 | 0° $\approx$           |            |
| asc. node           | -7210 Dec 20 j 10:25 | 23° $\approx$ 38'53   |            | max. Earth dist.    | -7207 Jul 08 j 21:27 | 21° $\approx$ 01'45    | 1.71274 AU |
|                     | -7210 Dec 27 j 13:10 | 0° $\approx$          |            |                     |                      |                        |            |
| greatest brilliancy | -7209 Jan 20 j 07:11 | 15° $\approx$ 27'23   | -4.7m      | superior conj       | -7207 Jul 11 j 18:35 | 24° $\approx$ 03'9'24  | 1°10'05    |
| retrograde          | -7209 Jan 31 j 04:39 | 17° $\approx$ 38'31   |            | minimum elong       | -7207 Jul 11 j 09:51 | 24° $\approx$ 01'11'54 | 1°10'14    |
| evening set         | -7209 Feb 17 j 21:01 | 11° $\approx$ 41'04   |            |                     | -7207 Jul 16 j 00:21 | 0° $\approx$           |            |
| inferior conj       | -7209 Feb 21 j 16:43 | 9° $\approx$ 17'28    | 7°56'02    |                     | -7207 Aug 08 j 19:08 | 0° $\approx$           |            |
| minimum elong       | -7209 Feb 21 j 20:10 | 9° $\approx$ 11'59    | 7°55'23    | evening rise        | -7207 Aug 20 j 01:31 | 14° $\approx$ 02'12'12 |            |
| min. Earth dist.    | -7209 Feb 22 j 02:25 | 9° $\approx$ 02'00    | 0.29568 AU |                     | -7207 Sep 01 j 14:49 | 0° $\approx$           |            |
| morning rise        | -7209 Feb 25 j 19:14 | 6° $\approx$ 42'54    |            |                     | -7207 Sep 25 j 13:32 | 0° $\approx$           |            |
| direct              | -7209 Mar 15 j 12:59 | 0° $\approx$ 45'59    |            | desc. node          | -7207 Sep 26 j 13:38 | 1° $\approx$ 15'12     |            |
| greatest brilliancy | -7209 Mar 25 j 16:28 | 2° $\approx$ 36'07    | -4.7m      |                     | -7207 Oct 19 j 16:39 | 0° $\approx$           |            |
| desc. node          | -7209 Apr 11 j 22:33 | 12° $\approx$ 10'58   |            |                     | -7207 Nov 13 j 01:27 | 0° $\approx$           |            |
|                     | -7209 May 02 j 20:41 | 0° $\approx$          |            |                     | -7207 Dec 07 j 18:47 | 0° $\approx$           |            |
| morning max el      | -7209 May 03 j 13:46 | 0° $\approx$ 40'49    | 46°00'44   |                     | -7206 Jan 02 j 03:32 | 0° $\approx$           |            |
|                     | -7209 May 31 j 18:48 | 0° $\approx$          |            | asc. node           | -7206 Jan 16 j 21:23 | 16° $\approx$ 03'51'06 |            |
|                     | -7209 Jun 27 j 00:54 | 0° $\approx$          |            |                     | -7206 Jan 28 j 19:13 | 0° $\approx$           |            |
|                     | -7209 Jul 22 j 00:56 | 0° $\approx$          |            | evening max el      | -7206 Feb 22 j 01:02 | 24° $\approx$ 48'09    | 44°59'20   |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                     |                      |                           |            |
|---------------------|----------------------|---------------------------|------------|---------------------|----------------------|---------------------------|------------|
|                     | -7206 Feb 27 j 15:51 | 0° $\text{H}$             |            |                     | -7204 Aug 23 j 09:19 | 0° $\text{G}$             |            |
| greatest brilliancy | -7206 Mar 31 j 14:55 | 21° $\text{H}$ 41'04      | -4.7m      |                     | -7204 Sep 16 j 02:43 | 0° $\text{Q}$             |            |
| retrograde          | -7206 Apr 11 j 01:01 | 23° $\text{H}$ 35'36      |            |                     |                      |                           |            |
| evening set         | -7206 Apr 26 j 01:55 | 19° $\text{H}$ 19'57      |            | superior conj       | -7204 Sep 25 j 10:44 | 11° $\text{Q}$ 46'12      | 0°59'25    |
| inferior conj       | -7206 May 02 j 07:05 | 15° $\text{H}$ 42'21      | 1°38'18    | minimum elong       | -7204 Sep 25 j 22:32 | 12° $\text{Q}$ 23'21      | 0°59'25    |
| minimum elong       | -7206 May 02 j 10:39 | 15° $\text{H}$ 36'56      | 1°37'08    | max. Earth dist.    | -7204 Oct 01 j 01:27 | 18° $\text{Q}$ 50'02      | 1.71025 AU |
| min. Earth dist.    | -7206 May 03 j 05:40 | 15° $\text{H}$ 07'55      | 0.28360 AU |                     | -7204 Oct 09 j 22:48 | 0° $\text{M}$             |            |
| morning rise        | -7206 May 08 j 18:33 | 11° $\text{H}$ 54'33      |            | desc. node          | -7204 Oct 24 j 02:44 | 17° $\text{M}$ 43'52      |            |
| desc. node          | -7206 May 09 j 09:20 | 11° $\text{H}$ 34'59      |            |                     | -7204 Nov 02 j 22:50 | 0° $\text{L}$             |            |
| direct              | -7206 May 23 j 23:49 | 7° $\text{H}$ 31'38       |            | evening rise        | -7204 Nov 07 j 12:58 | 5° $\text{L}$ 42'41       |            |
| greatest brilliancy | -7206 Jun 04 j 09:33 | 9° $\text{H}$ 52'23       | -4.8m      |                     | -7204 Nov 27 j 02:56 | 0° $\text{M}$             |            |
|                     | -7206 Jul 03 j 08:41 | 0° $\text{Y}$             |            |                     | -7204 Dec 21 j 11:12 | 0° $\text{X}$             |            |
| morning max el      | -7206 Jul 13 j 00:15 | 9° $\text{Y}$ 12'44       | 46°32'02   |                     | -7203 Jan 15 j 01:00 | 0° $\text{Z}$             |            |
|                     | -7206 Aug 01 j 16:39 | 0° $\text{B}$             |            |                     | -7203 Feb 08 j 23:33 | 0° $\approx$              |            |
|                     | -7206 Aug 27 j 17:23 | 0° $\text{I}$             |            | asc. node           | -7203 Feb 13 j 08:49 | 5° $\approx$ 12'56        |            |
| asc. node           | -7206 Aug 29 j 19:31 | 2° $\text{I}$ 29'16       |            |                     | -7203 Mar 06 j 12:12 | 0° $\text{H}$             |            |
|                     | -7206 Sep 21 j 12:31 | 0° $\text{G}$             |            |                     | -7203 Apr 02 j 00:22 | 0° $\text{Y}$             |            |
|                     | -7206 Oct 15 j 19:58 | 0° $\text{Q}$             |            |                     | -7203 Apr 30 j 12:33 | 0° $\text{B}$             |            |
|                     | -7206 Nov 09 j 01:05 | 0° $\text{M}$             |            | evening max el      | -7203 May 05 j 02:42 | 4° $\text{B}$ 28'10       | 45°52'05   |
|                     | -7206 Dec 03 j 08:19 | 0° $\text{L}$             |            | desc. node          | -7203 Jun 05 j 19:57 | 29° $\text{B}$ 38'19      |            |
| desc. node          | -7206 Dec 20 j 03:06 | 20° $\text{L}$ 37'43      |            |                     | -7203 Jun 06 j 11:59 | 0° $\text{I}$             |            |
|                     | -7206 Dec 27 j 18:27 | 0° $\text{M}$             |            | greatest brilliancy | -7203 Jun 13 j 22:26 | 3° $\text{I}$ 15'41       | -4.8m      |
| morning set         | -7205 Jan 18 j 04:36 | 26° $\text{M}$ 14'49      |            | retrograde          | -7203 Jun 23 j 12:14 | 4° $\text{I}$ 55'42       |            |
|                     | -7205 Jan 21 j 06:09 | 0° $\text{X}$             |            | evening set         | -7203 Jul 09 j 22:29 | 29° $\text{B}$ 54'13      |            |
|                     | -7205 Feb 14 j 17:48 | 0° $\text{Z}$             |            |                     | -7203 Jul 09 j 18:19 | 30° $\text{R}$ $\text{B}$ |            |
| max. Earth dist.    | -7205 Feb 23 j 11:24 | 10° $\text{Z}$ 42'35      | 1.73765 AU | inferior conj       | -7203 Jul 14 j 09:18 | 27° $\text{B}$ 17'58      | -7°47'26   |
|                     |                      |                           |            | minimum elong       | -7203 Jul 14 j 00:07 | 27° $\text{B}$ 31'45      | 7°45'40    |
| superior conj       | -7205 Feb 24 j 13:56 | 12° $\text{Z}$ 03'56      | -1°18'48   | min. Earth dist.    | -7203 Jul 14 j 09:57 | 27° $\text{B}$ 17'00      | 0.26939 AU |
| minimum elong       | -7205 Feb 24 j 18:26 | 12° $\text{Z}$ 17'44      | 1°19'13    | morning rise        | -7203 Jul 18 j 01:29 | 25° $\text{B}$ 07'29      |            |
|                     | -7205 Mar 11 j 04:32 | 0° $\approx$              |            | direct              | -7203 Aug 04 j 01:37 | 19° $\text{B}$ 38'17      |            |
| evening rise        | -7205 Apr 01 j 09:45 | 26° $\approx$ 04'23       |            | greatest brilliancy | -7203 Aug 14 j 20:47 | 21° $\text{B}$ 48'21      | -4.9m      |
|                     | -7205 Apr 04 j 14:24 | 0° $\text{H}$             |            |                     | -7203 Aug 29 j 04:35 | 0° $\text{I}$             |            |
| asc. node           | -7205 Apr 11 j 07:37 | 8° $\text{H}$ 15'40       |            | morning max el      | -7203 Sep 23 j 18:24 | 22° $\text{I}$ 59'53      | 46°47'57   |
|                     | -7205 Apr 28 j 23:50 | 0° $\text{Y}$             |            | asc. node           | -7203 Sep 26 j 06:50 | 25° $\text{I}$ 35'55      |            |
|                     | -7205 May 23 j 09:29 | 0° $\text{B}$             |            |                     | -7203 Sep 30 j 11:04 | 0° $\text{G}$             |            |
|                     | -7205 Jun 16 j 20:31 | 0° $\text{I}$             |            |                     | -7203 Oct 27 j 06:01 | 0° $\text{Q}$             |            |
|                     | -7205 Jul 11 j 11:12 | 0° $\text{G}$             |            |                     | -7203 Nov 21 j 17:17 | 0° $\text{M}$             |            |
| desc. node          | -7205 Aug 01 j 15:29 | 25° $\text{G}$ 30'55      |            |                     | -7203 Dec 16 j 19:11 | 0° $\text{L}$             |            |
|                     | -7205 Aug 05 j 09:40 | 0° $\text{Q}$             |            |                     | -7202 Jan 10 j 18:32 | 0° $\text{M}$             |            |
|                     | -7205 Aug 31 j 00:02 | 0° $\text{M}$             |            | desc. node          | -7202 Jan 16 j 15:59 | 7° $\text{M}$ 05'22       |            |
|                     | -7205 Sep 27 j 03:49 | 0° $\text{L}$             |            |                     | -7202 Feb 04 j 16:09 | 0° $\text{X}$             |            |
| evening max el      | -7205 Oct 01 j 04:46 | 4° $\text{L}$ 10'58       | 47°23'24   |                     | -7202 Mar 01 j 10:49 | 0° $\text{Z}$             |            |
|                     | -7205 Oct 30 j 13:21 | 0° $\text{M}$             |            |                     | -7202 Mar 26 j 01:23 | 0° $\approx$              |            |
| greatest brilliancy | -7205 Nov 10 j 08:41 | 5° $\text{M}$ 52'11       | -4.9m      | morning set         | -7202 Mar 27 j 12:23 | 1° $\approx$ 47'08        |            |
| retrograde          | -7205 Nov 21 j 05:45 | 8° $\text{M}$ 07'51       |            |                     | -7202 Apr 19 j 11:29 | 0° $\text{H}$             |            |
| asc. node           | -7205 Nov 22 j 02:00 | 8° $\text{M}$ 06'58       |            | max. Earth dist.    | -7202 Apr 27 j 19:28 | 10° $\text{H}$ 17'19      | 1.73081 AU |
| evening set         | -7205 Dec 06 j 10:15 | 3° $\text{M}$ 25'12       |            |                     |                      |                           |            |
| min. Earth dist.    | -7205 Dec 11 j 06:52 | 0° $\text{M}$ 25'11       | 0.28166 AU | superior conj       | -7202 May 01 j 22:42 | 15° $\text{H}$ 24'08      | -0°16'02   |
|                     | -7205 Dec 11 j 22:33 | 30° $\text{R}$ $\text{L}$ |            | minimum elong       | -7202 May 02 j 01:46 | 15° $\text{H}$ 33'39      | 0°16'04    |
| inferior conj       | -7205 Dec 12 j 06:36 | 29° $\text{L}$ 47'03      | 4°34'59    | asc. node           | -7202 May 08 j 20:49 | 23° $\text{H}$ 58'29      |            |
| minimum elong       | -7205 Dec 11 j 22:29 | 0° $\text{M}$ 00'06       | 4°32'46    |                     | -7202 May 13 j 17:26 | 0° $\text{Y}$             |            |
| morning rise        | -7205 Dec 17 j 11:39 | 26° $\text{L}$ 33'17      |            | evening rise        | -7202 Jun 06 j 16:41 | 29° $\text{Y}$ 49'28      |            |
| direct              | -7204 Jan 02 j 06:07 | 21° $\text{L}$ 39'21      |            |                     | -7202 Jun 06 j 20:03 | 0° $\text{B}$             |            |
| greatest brilliancy | -7204 Jan 10 j 23:22 | 23° $\text{L}$ 04'42      | -4.8m      |                     | -7202 Jun 30 j 20:45 | 0° $\text{I}$             |            |
|                     | -7204 Jan 24 j 20:34 | 0° $\text{M}$             |            |                     | -7202 Jul 24 j 21:29 | 0° $\text{G}$             |            |
| morning max el      | -7204 Feb 20 j 00:22 | 21° $\text{M}$ 35'40      | 45°55'18   |                     | -7202 Aug 18 j 00:31 | 0° $\text{Q}$             |            |
|                     | -7204 Feb 28 j 14:49 | 0° $\text{X}$             |            | desc. node          | -7202 Aug 29 j 03:17 | 13° $\text{Q}$ 44'59      |            |
| desc. node          | -7204 Mar 13 j 13:46 | 14° $\text{X}$ 25'20      |            |                     | -7202 Sep 11 j 08:18 | 0° $\text{M}$             |            |
|                     | -7204 Mar 27 j 22:31 | 0° $\text{Z}$             |            |                     | -7202 Oct 06 j 00:07 | 0° $\text{L}$             |            |
|                     | -7204 Apr 23 j 09:10 | 0° $\approx$              |            |                     | -7202 Oct 31 j 06:38 | 0° $\text{M}$             |            |
|                     | -7204 May 18 j 19:20 | 0° $\text{H}$             |            |                     | -7202 Nov 26 j 21:47 | 0° $\text{X}$             |            |
|                     | -7204 Jun 12 j 12:51 | 0° $\text{Y}$             |            | evening max el      | -7202 Dec 10 j 15:43 | 14° $\text{X}$ 16'28      | 45°49'46   |
| asc. node           | -7204 Jul 03 j 20:58 | 26° $\text{Y}$ 23'38      |            | asc. node           | -7202 Dec 19 j 12:41 | 22° $\text{X}$ 46'20      |            |
|                     | -7204 Jul 06 j 18:22 | 0° $\text{B}$             |            |                     | -7202 Dec 27 j 19:41 | 0° $\text{Z}$             |            |
|                     | -7204 Jul 30 j 15:50 | 0° $\text{I}$             |            | greatest brilliancy | -7201 Jan 17 j 23:23 | 13° $\text{Z}$ 19'45      | -4.7m      |
| greatest brilliancy | -7204 Jul 31 j 04:16 | 0° $\text{I}$ 39'12       | -3.9m      | retrograde          | -7201 Jan 28 j 22:27 | 15° $\text{Z}$ 32'40      |            |
| morning set         | -7204 Aug 15 j 10:50 | 19° $\text{I}$ 57'19      |            | evening set         | -7201 Feb 15 j 14:57 | 9° $\text{Z}$ 33'20       |            |



## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 41

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                       |            |                     |                      |                       |            |
|---------------------|----------------------|-----------------------|------------|---------------------|----------------------|-----------------------|------------|
| inferior conj       | -7201 Feb 19 j 10:01 | 7° $\text{Z}$ 10'40   | 7°59'34    | minimum elong       | -7199 Jul 09 j 00:31 | 21° $\text{S}$ 52'08  | 1°08'16    |
| minimum elong       | -7201 Feb 19 j 12:51 | 7° $\text{Z}$ 06'10   | 7°58'57    |                     | -7199 Jul 15 j 11:27 | 0° $\text{II}$        |            |
| min. Earth dist.    | -7201 Feb 19 j 18:12 | 6° $\text{Z}$ 57'39   | 0.29571 AU |                     | -7199 Aug 08 j 06:20 | 0° $\text{S}$         |            |
| morning rise        | -7201 Feb 23 j 10:43 | 4° $\text{Z}$ 39'00   |            | evening rise        | -7199 Aug 17 j 11:58 | 11° $\text{S}$ 38'26  |            |
|                     | -7201 Mar 05 j 00:15 | 30° $\text{R}$ 7'     |            |                     | -7199 Sep 01 j 02:07 | 0° $\text{Q}$         |            |
| direct              | -7201 Mar 13 j 05:52 | 28° $\text{Z}$ 39'04  |            |                     | -7199 Sep 25 j 00:58 | 0° $\text{II}$        |            |
|                     | -7201 Mar 21 j 20:52 | 0° $\text{Z}$         |            | desc. node          | -7199 Sep 25 j 15:53 | 0° $\text{II}$ 46'33  |            |
| greatest brilliancy | -7201 Mar 23 j 07:53 | 0° $\text{Z}$ 28'17   | -4.7m      |                     | -7199 Oct 19 j 04:16 | 0° $\text{Q}$         |            |
| desc. node          | -7201 Apr 11 j 00:51 | 11° $\text{Z}$ 05'16  |            |                     | -7199 Nov 12 j 13:20 | 0° $\text{II}$        |            |
| morning max el      | -7201 May 01 j 06:54 | 28° $\text{Z}$ 33'49  | 46°00'00   |                     | -7199 Dec 07 j 07:13 | 0° $\text{Z}$         |            |
|                     | -7201 May 02 j 18:42 | 0° $\text{S}$         |            |                     | -7198 Jan 01 j 17:10 | 0° $\text{Z}$         |            |
|                     | -7201 May 31 j 10:24 | 0° $\text{H}$         |            | asc. node           | -7198 Jan 15 j 23:27 | 16° $\text{Z}$ 15'08  |            |
|                     | -7201 Jun 26 j 14:17 | 0° $\text{Y}$         |            |                     | -7198 Jan 28 j 11:41 | 0° $\text{S}$         |            |
|                     | -7201 Jul 21 j 13:16 | 0° $\text{R}$         |            | evening max el      | -7198 Feb 19 j 16:39 | 22° $\text{S}$ 37'25  | 44°59'12   |
| asc. node           | -7201 Aug 01 j 09:35 | 13° $\text{R}$ 19'37  |            |                     | -7198 Feb 27 j 18:06 | 0° $\text{H}$         |            |
|                     | -7201 Aug 14 j 19:45 | 0° $\text{II}$        |            | greatest brilliancy | -7198 Mar 29 j 06:20 | 19° $\text{H}$ 30'33  | -4.7m      |
|                     | -7201 Sep 07 j 17:40 | 0° $\text{S}$         |            | retrograde          | -7198 Apr 08 j 15:36 | 21° $\text{H}$ 24'23  |            |
|                     | -7201 Oct 01 j 13:08 | 0° $\text{Q}$         |            | evening set         | -7198 Apr 23 j 18:47 | 17° $\text{H}$ 06'29  |            |
|                     | -7201 Oct 25 j 10:23 | 0° $\text{II}$        |            | inferior conj       | -7198 Apr 29 j 22:27 | 13° $\text{H}$ 30'25  | 1°57'51    |
| morning set         | -7201 Nov 01 j 17:35 | 9° $\text{II}$ 07'45  |            | minimum elong       | -7198 Apr 30 j 02:40 | 13° $\text{H}$ 23'58  | 1°56'29    |
|                     | -7201 Nov 18 j 11:28 | 0° $\text{Q}$         |            | min. Earth dist.    | -7198 Apr 30 j 21:36 | 12° $\text{H}$ 54'59  | 0.28421 AU |
| desc. node          | -7201 Nov 21 j 15:58 | 3° $\text{Q}$ 57'39   |            | morning rise        | -7198 May 06 j 09:41 | 9° $\text{H}$ 42'11   |            |
|                     | -7201 Dec 12 j 16:21 | 0° $\text{II}$        |            | desc. node          | -7198 May 08 j 11:32 | 8° $\text{H}$ 38'19   |            |
|                     |                      |                       |            | direct              | -7198 May 21 j 15:42 | 5° $\text{H}$ 18'39   |            |
| superior conj       | -7201 Dec 13 j 14:05 | 1° $\text{II}$ 07'10  | -0°47'02   | greatest brilliancy | -7198 Jun 02 j 00:58 | 7° $\text{H}$ 38'18   | -4.8m      |
| minimum elong       | -7201 Dec 13 j 04:17 | 0° $\text{II}$ 36'53  | 0°46'52    |                     | -7198 Jul 03 j 11:12 | 0° $\text{Y}$         |            |
| max. Earth dist.    | -7201 Dec 17 j 02:12 | 5° $\text{II}$ 27'00  | 1.72761 AU | morning max el      | -7198 Jul 10 j 14:26 | 6° $\text{Y}$ 52'52   | 46°30'49   |
|                     | -7200 Jan 06 j 00:01 | 0° $\text{Z}$         |            |                     | -7198 Aug 01 j 09:54 | 0° $\text{R}$         |            |
| evening rise        | -7200 Jan 21 j 14:37 | 19° $\text{Z}$ 11'58  |            |                     | -7198 Aug 27 j 07:48 | 0° $\text{II}$        |            |
|                     | -7200 Jan 30 j 09:46 | 0° $\text{Z}$         |            | asc. node           | -7198 Aug 28 j 21:43 | 1° $\text{II}$ 53'09  |            |
| greatest brilliancy | -7200 Feb 19 j 18:21 | 24° $\text{Z}$ 55'47  | -3.9m      |                     | -7198 Sep 21 j 01:38 | 0° $\text{S}$         |            |
|                     | -7200 Feb 23 j 22:01 | 0° $\text{S}$         |            |                     | -7198 Oct 15 j 08:21 | 0° $\text{Q}$         |            |
| asc. node           | -7200 Mar 12 j 21:03 | 21° $\text{S}$ 51'56  |            |                     | -7198 Nov 08 j 12:59 | 0° $\text{II}$        |            |
|                     | -7200 Mar 19 j 14:03 | 0° $\text{H}$         |            |                     | -7198 Dec 02 j 19:52 | 0° $\text{Q}$         |            |
|                     | -7200 Apr 13 j 11:32 | 0° $\text{Y}$         |            | desc. node          | -7198 Dec 19 j 05:10 | 20° $\text{Q}$ 09'17  |            |
|                     | -7200 May 08 j 16:42 | 0° $\text{R}$         |            |                     | -7198 Dec 27 j 05:42 | 0° $\text{II}$        |            |
|                     | -7200 Jun 03 j 10:10 | 0° $\text{II}$        |            | morning set         | -7197 Jan 15 j 19:53 | 24° $\text{II}$ 00'49 |            |
|                     | -7200 Jun 30 j 04:39 | 0° $\text{S}$         |            |                     | -7197 Jan 20 j 17:12 | 0° $\text{Z}$         |            |
| desc. node          | -7200 Jul 03 j 06:31 | 3° $\text{S}$ 19'12   |            |                     | -7197 Feb 14 j 04:43 | 0° $\text{Z}$         |            |
| evening max el      | -7200 Jul 17 j 23:11 | 18° $\text{S}$ 35'11  | 47°27'45   | max. Earth dist.    | -7197 Feb 21 j 08:36 | 8° $\text{Z}$ 46'54   | 1.73759 AU |
|                     | -7200 Jul 29 j 22:19 | 0° $\text{Q}$         |            |                     |                      |                       |            |
| greatest brilliancy | -7200 Aug 28 j 10:35 | 19° $\text{Q}$ 56'44  | -4.9m      | superior conj       | -7197 Feb 22 j 08:23 | 9° $\text{Z}$ 59'52   | -1°19'35   |
| retrograde          | -7200 Sep 06 j 17:41 | 21° $\text{Q}$ 36'14  |            | minimum elong       | -7197 Feb 22 j 12:21 | 10° $\text{Z}$ 12'01  | 1°20'02    |
| evening set         | -7200 Sep 22 j 20:26 | 16° $\text{Q}$ 27'47  |            |                     | -7197 Mar 10 j 15:27 | 0° $\text{S}$         |            |
| inferior conj       | -7200 Sep 27 j 08:27 | 13° $\text{Q}$ 44'52  | -6°06'21   | evening rise        | -7197 Mar 30 j 05:16 | 24° $\text{S}$ 03'00  |            |
| minimum elong       | -7200 Sep 27 j 18:54 | 13° $\text{Q}$ 28'49  | 6°03'29    |                     | -7197 Apr 04 j 01:24 | 0° $\text{H}$         |            |
| min. Earth dist.    | -7200 Sep 27 j 03:02 | 13° $\text{Q}$ 53'13  | 0.26575 AU | asc. node           | -7197 Apr 10 j 09:51 | 7° $\text{H}$ 48'34   |            |
| morning rise        | -7200 Oct 02 j 17:35 | 10° $\text{Q}$ 33'18  |            |                     | -7197 Apr 28 j 11:04 | 0° $\text{Y}$         |            |
| direct              | -7200 Oct 17 j 13:24 | 6° $\text{Q}$ 07'33   |            |                     | -7197 May 22 j 21:06 | 0° $\text{R}$         |            |
| asc. node           | -7200 Oct 23 j 17:37 | 6° $\text{Q}$ 53'09   |            |                     | -7197 Jun 16 j 08:41 | 0° $\text{II}$        |            |
| greatest brilliancy | -7200 Oct 27 j 11:07 | 8° $\text{Q}$ 01'10   | -4.9m      |                     | -7197 Jul 11 j 00:08 | 0° $\text{S}$         |            |
|                     | -7200 Nov 27 j 15:32 | 0° $\text{II}$        |            | desc. node          | -7197 Jul 31 j 17:34 | 24° $\text{S}$ 55'39  |            |
| morning max el      | -7200 Dec 06 j 14:56 | 8° $\text{II}$ 38'46  | 46°23'57   |                     | -7197 Aug 04 j 23:46 | 0° $\text{Q}$         |            |
|                     | -7200 Dec 27 j 01:27 | 0° $\text{Q}$         |            |                     | -7197 Aug 30 j 16:13 | 0° $\text{II}$        |            |
|                     | -7199 Jan 22 j 23:56 | 0° $\text{II}$        |            |                     | -7197 Sep 27 j 01:01 | 0° $\text{Q}$         |            |
| desc. node          | -7199 Feb 13 j 04:18 | 24° $\text{II}$ 21'03 |            | evening max el      | -7197 Sep 28 j 19:51 | 1° $\text{Q}$ 50'11   | 47°25'47   |
|                     | -7199 Feb 18 j 00:49 | 0° $\text{Z}$         |            |                     | -7197 Oct 31 j 20:29 | 0° $\text{II}$        |            |
|                     | -7199 Mar 15 j 12:42 | 0° $\text{Z}$         |            | greatest brilliancy | -7197 Nov 08 j 02:46 | 3° $\text{II}$ 37'08  | -4.9m      |
|                     | -7199 Apr 09 j 13:57 | 0° $\text{S}$         |            | retrograde          | -7197 Nov 18 j 21:40 | 5° $\text{II}$ 51'02  |            |
|                     | -7199 May 04 j 05:50 | 0° $\text{H}$         |            | asc. node           | -7197 Nov 21 j 04:13 | 5° $\text{II}$ 44'34  |            |
|                     | -7199 May 28 j 13:34 | 0° $\text{Y}$         |            | evening set         | -7197 Dec 04 j 00:44 | 1° $\text{II}$ 11'26  |            |
| morning set         | -7199 Jun 02 j 05:40 | 5° $\text{Y}$ 48'11   |            |                     | -7197 Dec 06 j 00:44 | 30° $\text{R}$ 1      |            |
| asc. node           | -7199 Jun 05 j 09:58 | 9° $\text{Y}$ 45'33   |            | min. Earth dist.    | -7197 Dec 08 j 23:02 | 28° $\text{Q}$ 09'08  | 0.28085 AU |
|                     | -7199 Jun 21 j 14:44 | 0° $\text{R}$         |            | inferior conj       | -7197 Dec 09 j 22:34 | 27° $\text{Q}$ 31'18  | 4°18'10    |
| max. Earth dist.    | -7199 Jul 06 j 05:13 | 18° $\text{R}$ 20'26  | 1.71326 AU | minimum elong       | -7197 Dec 09 j 14:46 | 27° $\text{Q}$ 43'51  | 4°16'01    |
|                     |                      |                       |            | morning rise        | -7197 Dec 15 j 05:42 | 24° $\text{Q}$ 14'25  |            |
| superior conj       | -7199 Jul 09 j 09:28 | 22° $\text{R}$ 20'19  | 1°08'10    | direct              | -7197 Dec 30 j 20:49 | 19° $\text{Q}$ 24'58  |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                   |            |                     |                      |                                   |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|----------------------|-----------------------------------|------------|
| greatest brilliancy | -7196 Jan 08 j 14:59 | 20° $\Omega$ 50'46                | -4.8m      |                     | -7194 Jun 30 j 08:14 | 0° $\Pi$                          |            |
|                     | -7196 Jan 25 j 18:11 | 0° $\mathbb{M}$                   |            |                     | -7194 Jul 24 j 09:16 | 0° $\mathfrak{S}$                 |            |
| morning max el      | -7196 Feb 17 j 14:31 | 19° $\mathbb{M}$ 20'47            | 45°55'47   |                     | -7194 Aug 17 j 12:39 | 0° $\Omega$                       |            |
|                     | -7196 Feb 28 j 10:25 | 0° $\mathfrak{A}$                 |            | desc. node          | -7194 Aug 28 j 05:33 | 13° $\Omega$ 13'53                |            |
| desc. node          | -7196 Mar 12 j 16:05 | 13° $\mathfrak{A}$ 46'47          |            |                     | -7194 Sep 10 j 20:55 | 0° $\mathbb{M}$                   |            |
|                     | -7196 Mar 27 j 13:26 | 0° $\mathfrak{S}$                 |            |                     | -7194 Oct 05 j 13:30 | 0° $\Omega$                       |            |
|                     | -7196 Apr 22 j 22:15 | 0° $\approx$                      |            |                     | -7194 Oct 30 j 21:27 | 0° $\mathbb{M}$                   |            |
|                     | -7196 May 18 j 07:30 | 0° $\mathfrak{H}$                 |            |                     | -7194 Nov 26 j 16:01 | 0° $\mathfrak{A}$                 |            |
|                     | -7196 Jun 12 j 00:33 | 0° $\Upsilon$                     |            | evening max el      | -7194 Dec 08 j 08:02 | 12° $\mathfrak{A}$ 03'48          | 45°53'01   |
| asc. node           | -7196 Jul 02 j 23:03 | 25° $\Upsilon$ 54'24              |            | asc. node           | -7194 Dec 18 j 14:51 | 21° $\mathfrak{A}$ 51'35          |            |
|                     | -7196 Jul 06 j 05:49 | 0° $\mathfrak{S}$                 |            |                     | -7194 Dec 28 j 05:13 | 0° $\mathfrak{S}$                 |            |
|                     | -7196 Jul 30 j 03:10 | 0° $\Pi$                          |            | greatest brilliancy | -7193 Jan 15 j 15:51 | 11° $\mathfrak{S}$ 11'38          | -4.7m      |
| greatest brilliancy | -7196 Jul 30 j 20:19 | 0° $\Pi$ 54'04                    | -3.9m      | retrograde          | -7193 Jan 26 j 16:37 | 13° $\mathfrak{S}$ 26'03          |            |
| morning set         | -7196 Aug 12 j 22:30 | 17° $\Pi$ 26'31                   |            | evening set         | -7193 Feb 13 j 08:50 | 7° $\mathfrak{S}$ 25'23           |            |
|                     | -7196 Aug 22 j 20:40 | 0° $\mathfrak{S}$                 |            | inferior conj       | -7193 Feb 17 j 03:26 | 5° $\mathfrak{S}$ 03'16           | 8°02'25    |
|                     | -7196 Sep 15 j 14:05 | 0° $\Omega$                       |            | minimum elong       | -7193 Feb 17 j 05:39 | 4° $\mathfrak{S}$ 59'44           | 8°01'51    |
|                     |                      |                                   |            | min. Earth dist.    | -7193 Feb 17 j 09:50 | 4° $\mathfrak{S}$ 53'03           | 0.29565 AU |
| superior conj       | -7196 Sep 22 j 19:27 | 9° $\Omega$ 06'40                 | 1°02'10    | morning rise        | -7193 Feb 21 j 02:29 | 2° $\mathfrak{S}$ 34'10           |            |
| minimum elong       | -7196 Sep 23 j 07:10 | 9° $\Omega$ 43'34                 | 1°02'12    |                     | -7193 Feb 25 j 16:27 | 30° $\mathfrak{R}$ $\mathfrak{A}$ |            |
| max. Earth dist.    | -7196 Sep 28 j 01:14 | 15° $\Omega$ 42'37                | 1.70984 AU | direct              | -7193 Mar 10 j 23:16 | 26° $\mathfrak{A}$ 31'52          |            |
|                     | -7196 Oct 09 j 10:12 | 0° $\mathbb{M}$                   |            | greatest brilliancy | -7193 Mar 20 j 22:41 | 28° $\mathfrak{A}$ 19'23          | -4.7m      |
| desc. node          | -7196 Oct 23 j 04:51 | 17° $\mathbb{M}$ 14'52            |            |                     | -7193 Mar 25 j 02:59 | 0° $\mathfrak{S}$                 |            |
|                     | -7196 Nov 02 j 10:15 | 0° $\Omega$                       |            | desc. node          | -7193 Apr 10 j 03:00 | 10° $\mathfrak{S}$ 00'34          |            |
| evening rise        | -7196 Nov 04 j 22:01 | 3° $\Omega$ 06'01                 |            | morning max el      | -7193 Apr 29 j 00:16 | 26° $\mathfrak{S}$ 27'08          | 45°59'17   |
|                     | -7196 Nov 26 j 14:21 | 0° $\mathbb{M}$                   |            |                     | -7193 May 02 j 16:07 | 0° $\approx$                      |            |
|                     | -7196 Dec 20 j 22:42 | 0° $\mathfrak{A}$                 |            |                     | -7193 May 31 j 01:59 | 0° $\mathfrak{H}$                 |            |
|                     | -7195 Jan 14 j 12:45 | 0° $\mathfrak{S}$                 |            |                     | -7193 Jun 26 j 03:48 | 0° $\Upsilon$                     |            |
|                     | -7195 Feb 08 j 11:53 | 0° $\approx$                      |            |                     | -7193 Jul 21 j 01:51 | 0° $\mathfrak{S}$                 |            |
| asc. node           | -7195 Feb 12 j 11:05 | 4° $\approx$ 42'39                |            | asc. node           | -7193 Jul 31 j 11:48 | 12° $\mathfrak{S}$ 48'20          |            |
|                     | -7195 Mar 06 j 01:44 | 0° $\mathfrak{H}$                 |            |                     | -7193 Aug 14 j 07:52 | 0° $\Pi$                          |            |
|                     | -7195 Apr 01 j 16:25 | 0° $\Upsilon$                     |            |                     | -7193 Sep 07 j 05:31 | 0° $\mathfrak{S}$                 |            |
|                     | -7195 Apr 30 j 11:14 | 0° $\mathfrak{S}$                 |            |                     | -7193 Oct 01 j 00:48 | 0° $\Omega$                       |            |
| evening max el      | -7195 May 02 j 15:27 | 2° $\mathfrak{S}$ 05'58           | 45°48'52   |                     | -7193 Oct 24 j 21:54 | 0° $\mathbb{M}$                   |            |
| desc. node          | -7195 Jun 04 j 22:06 | 28° $\mathfrak{S}$ 03'06          |            | morning set         | -7193 Oct 30 j 03:22 | 6° $\mathbb{M}$ 32'27             |            |
|                     | -7195 Jun 09 j 04:27 | 0° $\Pi$                          |            |                     | -7193 Nov 17 j 22:52 | 0° $\Omega$                       |            |
| greatest brilliancy | -7195 Jun 11 j 09:24 | 0° $\Pi$ 48'50                    | -4.8m      | desc. node          | -7193 Nov 20 j 17:59 | 3° $\Omega$ 28'33                 |            |
| retrograde          | -7195 Jun 21 j 00:27 | 2° $\Pi$ 30'04                    |            |                     |                      |                                   |            |
|                     | -7195 Jul 02 j 08:51 | 30° $\mathfrak{R}$ $\mathfrak{S}$ |            | superior conj       | -7193 Dec 11 j 01:57 | 28° $\Omega$ 40'28                | -0°44'01   |
| evening set         | -7195 Jul 07 j 06:34 | 27° $\mathfrak{S}$ 33'58          |            | minimum elong       | -7193 Dec 10 j 16:27 | 28° $\Omega$ 11'06                | 0°43'50    |
| inferior conj       | -7195 Jul 11 j 21:43 | 24° $\mathfrak{S}$ 52'04          | -7°35'02   |                     | -7193 Dec 12 j 03:40 | 0° $\mathbb{M}$                   |            |
| minimum elong       | -7195 Jul 11 j 12:06 | 25° $\mathfrak{S}$ 06'28          | 7°33'06    | max. Earth dist.    | -7193 Dec 14 j 18:53 | 3° $\mathbb{M}$ 15'22             | 1.72706 AU |
| min. Earth dist.    | -7195 Jul 11 j 22:48 | 24° $\mathfrak{S}$ 50'28          | 0.26973 AU |                     | -7192 Jan 05 j 11:16 | 0° $\mathfrak{A}$                 |            |
| morning rise        | -7195 Jul 15 j 17:21 | 22° $\mathfrak{S}$ 36'56          |            | evening rise        | -7192 Jan 19 j 06:40 | 16° $\mathfrak{A}$ 59'17          |            |
| direct              | -7195 Aug 01 j 14:38 | 17° $\mathfrak{S}$ 11'26          |            |                     | -7192 Jan 29 j 21:01 | 0° $\mathfrak{S}$                 |            |
| greatest brilliancy | -7195 Aug 12 j 11:10 | 19° $\mathfrak{S}$ 22'56          | -4.9m      |                     | -7192 Feb 23 j 09:24 | 0° $\approx$                      |            |
|                     | -7195 Aug 29 j 23:48 | 0° $\Pi$                          |            | asc. node           | -7192 Mar 11 j 23:20 | 21° $\approx$ 23'39               |            |
| morning max el      | -7195 Sep 21 j 07:47 | 20° $\Pi$ 32'03                   | 46°48'10   |                     | -7192 Mar 19 j 01:46 | 0° $\mathfrak{H}$                 |            |
| asc. node           | -7195 Sep 25 j 09:11 | 24° $\Pi$ 44'40                   |            |                     | -7192 Apr 12 j 23:52 | 0° $\Upsilon$                     |            |
|                     | -7195 Sep 30 j 07:38 | 0° $\mathfrak{S}$                 |            |                     | -7192 May 08 j 06:05 | 0° $\mathfrak{S}$                 |            |
|                     | -7195 Oct 26 j 21:59 | 0° $\Omega$                       |            |                     | -7192 Jun 03 j 01:24 | 0° $\Pi$                          |            |
|                     | -7195 Nov 21 j 07:16 | 0° $\mathbb{M}$                   |            |                     | -7192 Jun 29 j 23:40 | 0° $\mathfrak{S}$                 |            |
|                     | -7195 Dec 16 j 08:04 | 0° $\Omega$                       |            | desc. node          | -7192 Jul 02 j 08:38 | 2° $\mathfrak{S}$ 32'23           |            |
|                     | -7194 Jan 10 j 06:41 | 0° $\mathbb{M}$                   |            | evening max el      | -7192 Jul 15 j 13:46 | 16° $\mathfrak{S}$ 12'14          | 47°25'15   |
| desc. node          | -7194 Jan 15 j 18:02 | 6° $\mathbb{M}$ 35'22             |            |                     | -7192 Jul 30 j 06:03 | 0° $\Omega$                       |            |
|                     | -7194 Feb 04 j 03:47 | 0° $\mathfrak{A}$                 |            | greatest brilliancy | -7192 Aug 25 j 23:24 | 17° $\Omega$ 26'11                | -4.9m      |
|                     | -7194 Feb 28 j 22:06 | 0° $\mathfrak{S}$                 |            | retrograde          | -7192 Sep 04 j 06:39 | 19° $\Omega$ 05'10                |            |
| morning set         | -7194 Mar 25 j 07:47 | 29° $\mathfrak{S}$ 45'44          |            | evening set         | -7192 Sep 20 j 12:15 | 13° $\Omega$ 52'44                |            |
|                     | -7194 Mar 25 j 12:27 | 0° $\approx$                      |            | inferior conj       | -7192 Sep 24 j 20:54 | 11° $\Omega$ 14'38                | -6°23'50   |
|                     | -7194 Apr 18 j 22:29 | 0° $\mathfrak{H}$                 |            | minimum elong       | -7192 Sep 25 j 07:26 | 10° $\Omega$ 58'25                | 6°21'03    |
| max. Earth dist.    | -7194 Apr 25 j 18:49 | 8° $\mathfrak{H}$ 27'07           | 1.73132 AU | min. Earth dist.    | -7192 Sep 24 j 15:45 | 11° $\Omega$ 22'33                | 0.26563 AU |
|                     |                      |                                   |            | morning rise        | -7192 Sep 30 j 02:53 | 8° $\Omega$ 07'41                 |            |
| superior conj       | -7194 Apr 29 j 18:05 | 13° $\mathfrak{H}$ 21'32          | -0°18'58   | direct              | -7192 Oct 15 j 02:23 | 3° $\Omega$ 38'11                 |            |
| minimum elong       | -7194 Apr 29 j 21:41 | 13° $\mathfrak{H}$ 32'39          | 0°18'58    | asc. node           | -7192 Oct 22 j 19:46 | 4° $\Omega$ 48'39                 |            |
| asc. node           | -7194 May 07 j 22:56 | 23° $\mathfrak{H}$ 30'48          |            | greatest brilliancy | -7192 Oct 24 j 23:48 | 5° $\Omega$ 31'41                 | -4.9m      |
|                     | -7194 May 13 j 04:29 | 0° $\Upsilon$                     |            |                     | -7192 Nov 27 j 18:52 | 0° $\mathbb{M}$                   |            |
| evening rise        | -7194 Jun 04 j 11:01 | 27° $\Upsilon$ 42'04              |            | morning max el      | -7192 Dec 04 j 04:46 | 6° $\mathbb{M}$ 15'13             | 46°25'02   |
|                     | -7194 Jun 06 j 07:17 | 0° $\mathfrak{S}$                 |            |                     | -7192 Dec 26 j 19:14 | 0° $\Omega$                       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7191 Jan 22 j 14:32 | 0°♍       |            | evening max el      | -7189 Sep 26 j 10:07 | 29°♎27'34 | 47°27'53   |
| desc. node          | -7191 Feb 12 j 06:33 | 23°♍49'05 |            |                     | -7189 Sep 26 j 22:49 | 0°♎       |            |
|                     | -7191 Feb 17 j 13:51 | 0°♎       |            |                     | -7189 Nov 02 j 18:48 | 0°♍       |            |
|                     | -7191 Mar 15 j 00:49 | 0°♎       |            | greatest brilliancy | -7189 Nov 05 j 20:23 | 1°♍20'55  | -4.9m      |
|                     | -7191 Apr 09 j 01:32 | 0°♎       |            | retrograde          | -7189 Nov 16 j 13:21 | 3°♍33'27  |            |
|                     | -7191 May 03 j 17:06 | 0°♎       |            | asc. node           | -7189 Nov 20 j 06:25 | 3°♍16'06  |            |
|                     | -7191 May 28 j 00:41 | 0°♎       |            |                     | -7189 Nov 29 j 16:22 | 30°♎♎     |            |
| morning set         | -7191 May 30 j 23:34 | 3°♎40'04  |            | evening set         | -7189 Dec 01 j 15:02 | 28°♎56'19 |            |
| asc. node           | -7191 Jun 04 j 12:06 | 9°♎17'38  |            | min. Earth dist.    | -7189 Dec 06 j 15:04 | 25°♎51'54 | 0.28013 AU |
|                     | -7191 Jun 21 j 01:51 | 0°♎       |            | inferior conj       | -7189 Dec 07 j 14:19 | 25°♎14'35 | 4°00'40    |
| max. Earth dist.    | -7191 Jul 03 j 14:29 | 15°♎43'39 | 1.71383 AU | minimum elong       | -7189 Dec 07 j 06:51 | 25°♎26'34 | 3°58'34    |
|                     |                      |           |            | morning rise        | -7189 Dec 12 j 23:31 | 21°♎54'45 |            |
| superior conj       | -7191 Jul 07 j 00:57 | 20°♎02'56 | 1°06'09    | direct              | -7189 Dec 28 j 11:01 | 17°♎09'17 |            |
| minimum elong       | -7191 Jul 06 j 15:50 | 19°♎34'17 | 1°06'13    | greatest brilliancy | -7188 Jan 06 j 06:47 | 18°♎36'11 | -4.8m      |
|                     | -7191 Jul 14 j 22:38 | 0°♎       |            |                     | -7188 Jan 26 j 10:33 | 0°♎       |            |
|                     | -7191 Aug 07 j 17:39 | 0°♎       |            | morning max el      | -7188 Feb 15 j 05:07 | 17°♎06'30 | 45°56'21   |
| evening rise        | -7191 Aug 14 j 22:53 | 9°♎05'46  |            |                     | -7188 Feb 28 j 05:36 | 0°♎       |            |
|                     | -7191 Aug 31 j 13:36 | 0°♎       |            | desc. node          | -7188 Mar 11 j 18:14 | 13°♎07'58 |            |
| desc. node          | -7191 Sep 24 j 17:59 | 0°♎16'38  |            |                     | -7188 Mar 27 j 04:14 | 0°♎       |            |
|                     | -7191 Sep 24 j 12:39 | 0°♎       |            |                     | -7188 Apr 22 j 11:14 | 0°♎       |            |
|                     | -7191 Oct 18 j 16:09 | 0°♎       |            |                     | -7188 May 17 j 19:35 | 0°♎       |            |
|                     | -7191 Nov 12 j 01:32 | 0°♎       |            |                     | -7188 Jun 11 j 12:09 | 0°♎       |            |
|                     | -7191 Dec 06 j 19:59 | 0°♎       |            | asc. node           | -7188 Jul 02 j 01:14 | 25°♎25'52 |            |
|                     | -7190 Jan 01 j 07:10 | 0°♎       |            |                     | -7188 Jul 05 j 17:09 | 0°♎       |            |
| asc. node           | -7190 Jan 15 j 01:45 | 15°♎38'49 |            |                     | -7188 Jul 29 j 14:23 | 0°♎       |            |
|                     | -7190 Jan 28 j 04:44 | 0°♎       |            | greatest brilliancy | -7188 Jul 30 j 10:50 | 1°♎04'31  | -3.9m      |
| evening max el      | -7190 Feb 17 j 07:22 | 20°♎23'51 | 44°59'15   | morning set         | -7188 Aug 10 j 10:41 | 14°♎57'49 |            |
|                     | -7190 Feb 27 j 22:15 | 0°♎       |            |                     | -7188 Aug 22 j 07:50 | 0°♎       |            |
| greatest brilliancy | -7190 Mar 26 j 21:57 | 17°♎19'49 | -4.7m      |                     | -7188 Sep 15 j 01:15 | 0°♎       |            |
| retrograde          | -7190 Apr 06 j 06:07 | 19°♎13'07 |            |                     |                      |           |            |
| evening set         | -7190 Apr 21 j 11:47 | 14°♎52'31 |            | superior conj       | -7188 Sep 20 j 04:42 | 6°♎29'24  | 1°04'44    |
| inferior conj       | -7190 Apr 27 j 13:53 | 11°♎18'27 | 2°17'09    | minimum elong       | -7188 Sep 20 j 16:14 | 7°♎05'43  | 1°04'48    |
| minimum elong       | -7190 Apr 27 j 18:43 | 11°♎11'01 | 2°15'35    | max. Earth dist.    | -7188 Sep 25 j 02:54 | 12°♎41'45 | 1.70946 AU |
| min. Earth dist.    | -7190 Apr 28 j 13:54 | 10°♎41'35 | 0.28478 AU |                     | -7188 Oct 08 j 21:22 | 0°♎       |            |
| morning rise        | -7190 May 04 j 00:41 | 7°♎30'03  |            | desc. node          | -7188 Oct 22 j 06:53 | 16°♎46'22 |            |
| desc. node          | -7190 May 07 j 13:39 | 5°♎45'07  |            |                     | -7188 Nov 01 j 21:25 | 0°♎       |            |
| direct              | -7190 May 19 j 07:07 | 3°♎05'27  |            | evening rise        | -7188 Nov 02 j 07:17 | 0°♎30'43  |            |
| greatest brilliancy | -7190 May 30 j 16:55 | 5°♎24'51  | -4.8m      |                     | -7188 Nov 26 j 01:34 | 0°♎       |            |
|                     | -7190 Jul 03 j 12:21 | 0°♎       |            |                     | -7188 Dec 20 j 10:04 | 0°♎       |            |
| morning max el      | -7190 Jul 08 j 04:26 | 4°♎32'44  | 46°29'50   |                     | -7187 Jan 14 j 00:26 | 0°♎       |            |
|                     | -7190 Aug 01 j 02:45 | 0°♎       |            |                     | -7187 Feb 08 j 00:12 | 0°♎       |            |
|                     | -7190 Aug 26 j 22:01 | 0°♎       |            | asc. node           | -7187 Feb 11 j 13:20 | 4°♎12'25  |            |
| asc. node           | -7190 Aug 28 j 00:02 | 1°♎17'49  |            |                     | -7187 Mar 05 j 15:18 | 0°♎       |            |
|                     | -7190 Sep 20 j 14:39 | 0°♎       |            |                     | -7187 Apr 01 j 08:37 | 0°♎       |            |
|                     | -7190 Oct 14 j 20:43 | 0°♎       |            | evening max el      | -7187 Apr 30 j 04:58 | 29°♎46'16 | 45°45'49   |
|                     | -7190 Nov 08 j 00:58 | 0°♎       |            |                     | -7187 Apr 30 j 10:43 | 0°♎       |            |
|                     | -7190 Dec 02 j 07:32 | 0°♎       |            | desc. node          | -7187 Jun 04 j 00:18 | 26°♎24'50 |            |
| desc. node          | -7190 Dec 18 j 07:17 | 19°♎40'35 |            | greatest brilliancy | -7187 Jun 08 j 19:49 | 28°♎22'02 | -4.8m      |
|                     | -7190 Dec 26 j 17:05 | 0°♎       |            |                     | -7187 Jun 16 j 11:48 | 0°♎       |            |
| morning set         | -7189 Jan 13 j 10:29 | 21°♎44'11 |            | retrograde          | -7187 Jun 18 j 13:06 | 0°♎04'52  |            |
|                     | -7189 Jan 20 j 04:21 | 0°♎       |            |                     | -7187 Jun 20 j 13:55 | 30°♎♎     |            |
|                     | -7189 Feb 13 j 15:44 | 0°♎       |            | evening set         | -7187 Jul 04 j 14:40 | 25°♎14'05 |            |
| max. Earth dist.    | -7189 Feb 19 j 04:12 | 6°♎46'10  | 1.73750 AU | inferior conj       | -7187 Jul 09 j 10:01 | 22°♎26'30 | -7°21'48   |
|                     |                      |           |            | minimum elong       | -7187 Jul 09 j 00:02 | 22°♎41'25 | 7°19'44    |
| superior conj       | -7189 Feb 20 j 02:24 | 7°♎54'13  | -1°20'16   | min. Earth dist.    | -7187 Jul 09 j 11:16 | 22°♎24'38 | 0.27005 AU |
| minimum elong       | -7189 Feb 20 j 05:48 | 8°♎04'39  | 1°20'44    | morning rise        | -7187 Jul 13 j 09:08 | 20°♎06'40 |            |
|                     | -7189 Mar 10 j 02:26 | 0°♎       |            | direct              | -7187 Jul 30 j 04:02 | 14°♎45'05 |            |
| evening rise        | -7189 Mar 28 j 00:32 | 22°♎00'48 |            | greatest brilliancy | -7187 Aug 10 j 00:52 | 16°♎57'15 | -4.9m      |
|                     | -7189 Apr 03 j 12:30 | 0°♎       |            |                     | -7187 Aug 30 j 13:56 | 0°♎       |            |
| asc. node           | -7189 Apr 09 j 11:56 | 7°♎20'47  |            | morning max el      | -7187 Sep 18 j 22:01 | 18°♎07'23 | 46°48'30   |
|                     | -7189 Apr 27 j 22:23 | 0°♎       |            | asc. node           | -7187 Sep 24 j 11:13 | 23°♎54'22 |            |
|                     | -7189 May 22 j 08:46 | 0°♎       |            |                     | -7187 Sep 30 j 03:17 | 0°♎       |            |
|                     | -7189 Jun 15 j 20:51 | 0°♎       |            |                     | -7187 Oct 26 j 13:22 | 0°♎       |            |
|                     | -7189 Jul 10 j 13:02 | 0°♎       |            |                     | -7187 Nov 20 j 20:47 | 0°♎       |            |
| desc. node          | -7189 Jul 30 j 19:52 | 24°♎21'20 |            |                     | -7187 Dec 15 j 20:31 | 0°♎       |            |
|                     | -7189 Aug 04 j 13:51 | 0°♎       |            |                     | -7186 Jan 09 j 18:29 | 0°♎       |            |
|                     | -7189 Aug 30 j 08:27 | 0°♎       |            | desc. node          | -7186 Jan 14 j 20:17 | 6°♎06'56  |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7186 Feb 03 j 15:08 | 0°♊       |            | greatest brilliancy | -7184 Aug 23 j 12:41 | 14°♌57'04 | -4.9m      |
|                     | -7186 Feb 28 j 09:09 | 0°♋       |            | retrograde          | -7184 Sep 01 j 19:05 | 16°♌34'45 |            |
| morning set         | -7186 Mar 23 j 02:48 | 27°♋43'46 |            | evening set         | -7184 Sep 18 j 04:04 | 11°♌18'30 |            |
|                     | -7186 Mar 24 j 23:19 | 0°♌       |            | inferior conj       | -7184 Sep 22 j 09:17 | 8°♌45'17  | -6°40'38   |
|                     | -7186 Apr 18 j 09:16 | 0°♍       |            | minimum elong       | -7184 Sep 22 j 19:49 | 8°♌29'04  | 6°37'57    |
| max. Earth dist.    | -7186 Apr 23 j 16:59 | 6°♍33'58  | 1.73178 AU | min. Earth dist.    | -7184 Sep 22 j 04:41 | 8°♌52'23  | 0.26550 AU |
|                     |                      |           |            | morning rise        | -7184 Sep 27 j 11:50 | 5°♌43'04  |            |
| superior conj       | -7186 Apr 27 j 13:03 | 11°♍18'25 | -0°21'53   | direct              | -7184 Oct 12 j 14:53 | 1°♌09'35  |            |
| minimum elong       | -7186 Apr 27 j 17:10 | 11°♍31'06 | 0°21'53    | asc. node           | -7184 Oct 21 j 22:02 | 2°♌50'04  |            |
| asc. node           | -7186 May 07 j 01:02 | 23°♍03'50 |            | greatest brilliancy | -7184 Oct 22 j 12:50 | 3°♌03'16  | -4.9m      |
|                     | -7186 May 12 j 15:19 | 0°♎       |            |                     | -7184 Nov 27 j 20:20 | 0°♎       |            |
| evening rise        | -7186 Jun 02 j 05:05 | 25°♎34'38 |            | morning max el      | -7184 Dec 01 j 17:45 | 3°♎50'20  | 46°26'15   |
|                     | -7186 Jun 05 j 18:17 | 0°♏       |            |                     | -7184 Dec 26 j 12:15 | 0°♏       |            |
|                     | -7186 Jun 29 j 19:29 | 0°♐       |            |                     | -7183 Jan 22 j 04:34 | 0°♐       |            |
|                     | -7186 Jul 23 j 20:49 | 0°♑       |            | desc. node          | -7183 Feb 11 j 08:39 | 23°♐18'01 |            |
| desc. node          | -7186 Aug 17 j 00:33 | 0°♒       |            |                     | -7183 Feb 17 j 02:23 | 0°♑       |            |
|                     | -7186 Aug 27 j 07:39 | 12°♒43'02 |            |                     | -7183 Mar 14 j 12:30 | 0°♋       |            |
|                     | -7186 Sep 10 j 09:17 | 0°♌       |            |                     | -7183 Apr 08 j 12:44 | 0°♌       |            |
|                     | -7186 Oct 05 j 02:36 | 0°♍       |            |                     | -7183 May 03 j 04:04 | 0°♍       |            |
|                     | -7186 Oct 30 j 11:59 | 0°♎       |            |                     | -7183 May 27 j 11:35 | 0°♎       |            |
|                     | -7186 Nov 26 j 10:11 | 0°♏       |            | morning set         | -7183 May 28 j 17:19 | 1°♎32'21  |            |
| evening max el      | -7186 Dec 06 j 00:48 | 9°♏53'31  | 45°56'12   | asc. node           | -7183 Jun 03 j 14:20 | 8°♎50'45  |            |
| asc. node           | -7186 Dec 17 j 17:06 | 20°♏57'16 |            |                     | -7183 Jun 20 j 12:45 | 0°♏       |            |
|                     | -7186 Dec 28 j 17:22 | 0°♐       |            | max. Earth dist.    | -7183 Jul 01 j 00:31 | 13°♏10'01 | 1.71443 AU |
| greatest brilliancy | -7185 Jan 13 j 08:35 | 9°♐04'57  | -4.7m      |                     |                      |           |            |
| retrograde          | -7185 Jan 24 j 10:33 | 11°♐20'12 |            | superior conj       | -7183 Jul 04 j 16:18 | 17°♏45'53 | 1°04'01    |
| evening set         | -7185 Feb 11 j 02:28 | 5°♐18'50  |            | minimum elong       | -7183 Jul 04 j 07:06 | 17°♏16'59 | 1°04'03    |
| inferior conj       | -7185 Feb 14 j 20:49 | 2°♐56'44  | 8°04'35    |                     | -7183 Jul 14 j 09:36 | 0°♐       |            |
| minimum elong       | -7185 Feb 14 j 22:24 | 2°♐54'13  | 8°04'05    |                     | -7183 Aug 07 j 04:44 | 0°♑       |            |
| min. Earth dist.    | -7185 Feb 15 j 01:24 | 2°♐49'25  | 0.29560 AU | evening rise        | -7183 Aug 12 j 09:48 | 6°♑33'57  |            |
| morning rise        | -7185 Feb 18 j 18:24 | 0°♐29'45  |            |                     | -7183 Aug 31 j 00:51 | 0°♒       |            |
|                     | -7185 Feb 19 j 14:11 | 30°♑♊     |            | desc. node          | -7183 Sep 23 j 20:01 | 29°♒47'21 |            |
| direct              | -7185 Mar 08 j 16:50 | 24°♑25'39 |            |                     | -7183 Sep 24 j 00:04 | 0°♌       |            |
| greatest brilliancy | -7185 Mar 18 j 13:10 | 26°♑10'51 | -4.7m      |                     | -7183 Oct 18 j 03:48 | 0°♍       |            |
|                     | -7185 Mar 26 j 23:29 | 0°♋       |            |                     | -7183 Nov 11 j 13:29 | 0°♎       |            |
| desc. node          | -7185 Apr 09 j 05:06 | 8°♋58'05  |            |                     | -7183 Dec 06 j 08:31 | 0°♏       |            |
| morning max el      | -7185 Apr 26 j 17:20 | 24°♋20'25 | 45°58'26   |                     | -7183 Dec 31 j 20:58 | 0°♐       |            |
|                     | -7185 May 02 j 12:33 | 0°♌       |            | asc. node           | -7182 Jan 14 j 04:01 | 15°♐03'16 |            |
|                     | -7185 May 30 j 17:06 | 0°♍       |            |                     | -7182 Jan 27 j 21:41 | 0°♌       |            |
|                     | -7185 Jun 25 j 16:57 | 0°♎       |            | evening max el      | -7182 Feb 14 j 21:44 | 18°♌10'42 | 44°59'31   |
|                     | -7185 Jul 20 j 14:05 | 0°♏       |            |                     | -7182 Feb 28 j 03:41 | 0°♍       |            |
| asc. node           | -7185 Jul 30 j 14:03 | 12°♏18'12 |            | greatest brilliancy | -7182 Mar 24 j 13:08 | 15°♍10'15 | -4.7m      |
|                     | -7185 Aug 13 j 19:38 | 0°♐       |            | retrograde          | -7182 Apr 03 j 21:01 | 17°♍03'57 |            |
|                     | -7185 Sep 06 j 17:01 | 0°♑       |            | evening set         | -7182 Apr 19 j 05:06 | 12°♍40'03 |            |
|                     | -7185 Sep 30 j 12:07 | 0°♒       |            | inferior conj       | -7182 Apr 25 j 05:34 | 9°♍08'13  | 2°35'51    |
|                     | -7185 Oct 24 j 09:05 | 0°♌       |            | minimum elong       | -7182 Apr 25 j 11:00 | 8°♍59'53  | 2°34'10    |
| morning set         | -7185 Oct 27 j 13:18 | 3°♌58'33  |            | min. Earth dist.    | -7182 Apr 26 j 06:23 | 8°♍30'07  | 0.28542 AU |
|                     | -7185 Nov 17 j 09:55 | 0°♍       |            | morning rise        | -7182 May 01 j 15:51 | 5°♍20'05  |            |
| desc. node          | -7185 Nov 19 j 20:08 | 3°♍00'57  |            | desc. node          | -7182 May 06 j 15:54 | 2°♍57'41  |            |
|                     |                      |           |            | direct              | -7182 May 16 j 22:47 | 0°♍53'46  |            |
| superior conj       | -7185 Dec 08 j 13:53 | 26°♍15'08 | -0°40'56   | greatest brilliancy | -7182 May 28 j 09:36 | 3°♍13'40  | -4.8m      |
| minimum elong       | -7185 Dec 08 j 04:46 | 25°♍46'54 | 0°40'42    |                     | -7182 Jul 03 j 12:05 | 0°♎       |            |
|                     | -7185 Dec 11 j 14:35 | 0°♎       |            | morning max el      | -7182 Jul 05 j 19:17 | 2°♎15'23  | 46°28'41   |
| max. Earth dist.    | -7185 Dec 12 j 13:27 | 1°♎10'40  | 1.72645 AU |                     | -7182 Jul 31 j 19:11 | 0°♏       |            |
|                     | -7184 Jan 04 j 22:06 | 0°♊       |            |                     | -7182 Aug 26 j 12:00 | 0°♐       |            |
| evening rise        | -7184 Jan 16 j 22:49 | 14°♊48'13 |            | asc. node           | -7182 Aug 27 j 02:05 | 0°♑42'12  |            |
|                     | -7184 Jan 29 j 07:52 | 0°♋       |            |                     | -7182 Sep 20 j 03:28 | 0°♑       |            |
|                     | -7184 Feb 22 j 20:25 | 0°♌       |            |                     | -7182 Oct 14 j 08:54 | 0°♒       |            |
| asc. node           | -7184 Mar 11 j 01:23 | 20°♌55'38 |            |                     | -7182 Nov 07 j 12:43 | 0°♌       |            |
|                     | -7184 Mar 18 j 13:11 | 0°♍       |            |                     | -7182 Dec 01 j 18:58 | 0°♍       |            |
|                     | -7184 Apr 12 j 11:58 | 0°♎       |            | desc. node          | -7182 Dec 17 j 09:26 | 19°♍12'40 |            |
|                     | -7184 May 07 j 19:18 | 0°♏       |            |                     | -7182 Dec 26 j 04:15 | 0°♎       |            |
|                     | -7184 Jun 02 j 16:33 | 0°♐       |            | morning set         | -7181 Jan 11 j 01:02 | 19°♎27'57 |            |
|                     | -7184 Jun 29 j 18:54 | 0°♑       |            |                     | -7181 Jan 19 j 15:17 | 0°♊       |            |
| desc. node          | -7184 Jul 01 j 10:55 | 1°♑46'08  |            |                     | -7181 Feb 13 j 02:32 | 0°♋       |            |
| evening max el      | -7184 Jul 13 j 03:47 | 13°♑48'40 | 47°22'42   | max. Earth dist.    | -7181 Feb 16 j 23:20 | 4°♋44'34  | 1.73736 AU |
|                     | -7184 Jul 30 j 16:02 | 0°♒       |            |                     |                      |           |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 45

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                     |                      |                           |            |
|---------------------|----------------------|---------------------------|------------|---------------------|----------------------|---------------------------|------------|
| superior conj       | -7181 Feb 17 j 20:37 | 5° $\text{Z}$ 49'51       | -1°20'51   | direct              | -7179 Jul 27 j 18:06 | 12° $\text{B}$ 20'07      |            |
| minimum elong       | -7181 Feb 17 j 23:27 | 5° $\text{Z}$ 58'30       | 1°21'18    | greatest brilliancy | -7179 Aug 07 j 14:24 | 14° $\text{B}$ 32'03      | -4.9m      |
|                     | -7181 Mar 09 j 13:12 | 0° $\approx$              |            |                     | -7179 Aug 31 j 00:28 | 0° $\text{II}$            |            |
| evening rise        | -7181 Mar 25 j 20:07 | 20° $\approx$ 00'20       |            | morning max el      | -7179 Sep 16 j 12:16 | 15° $\text{II}$ 42'36     | 46°48'22   |
|                     | -7181 Apr 02 j 23:21 | 0° $\text{X}$             |            | asc. node           | -7179 Sep 23 j 13:30 | 23° $\text{II}$ 05'12     |            |
| asc. node           | -7181 Apr 08 j 14:06 | 6° $\text{X}$ 53'57       |            |                     | -7179 Sep 29 j 22:32 | 0° $\text{D}$             |            |
|                     | -7181 Apr 27 j 09:29 | 0° $\text{Y}$             |            |                     | -7179 Oct 26 j 04:48 | 0° $\text{Q}$             |            |
|                     | -7181 May 21 j 20:16 | 0° $\text{B}$             |            |                     | -7179 Nov 20 j 10:28 | 0° $\text{P}$             |            |
|                     | -7181 Jun 15 j 08:57 | 0° $\text{II}$            |            |                     | -7179 Dec 15 j 09:12 | 0° $\text{A}$             |            |
|                     | -7181 Jul 10 j 01:59 | 0° $\text{D}$             |            |                     | -7178 Jan 09 j 06:29 | 0° $\text{M}$             |            |
| desc. node          | -7181 Jul 29 j 21:57 | 23° $\text{D}$ 46'07      |            | desc. node          | -7178 Jan 13 j 22:20 | 5° $\text{M}$ 37'17       |            |
|                     | -7181 Aug 04 j 04:04 | 0° $\text{Q}$             |            |                     | -7178 Feb 03 j 02:40 | 0° $\text{X}$             |            |
|                     | -7181 Aug 30 j 01:01 | 0° $\text{P}$             |            |                     | -7178 Feb 27 j 20:22 | 0° $\text{Z}$             |            |
| evening max el      | -7181 Sep 24 j 00:42 | 27° $\text{P}$ 05'40      | 47°30'06   | morning set         | -7178 Mar 20 j 21:50 | 25° $\text{Z}$ 41'27      |            |
|                     | -7181 Sep 26 j 21:30 | 0° $\text{A}$             |            |                     | -7178 Mar 24 j 10:20 | 0° $\approx$              |            |
| greatest brilliancy | -7181 Nov 03 j 13:30 | 29° $\text{A}$ 03'42      | -4.9m      |                     | -7178 Apr 17 j 20:13 | 0° $\text{X}$             |            |
|                     | -7181 Nov 06 j 05:48 | 0° $\text{M}$             |            | max. Earth dist.    | -7178 Apr 21 j 13:44 | 4° $\text{X}$ 36'05       | 1.73219 AU |
| retrograde          | -7181 Nov 14 j 05:16 | 1° $\text{M}$ 15'34       |            |                     |                      |                           |            |
| asc. node           | -7181 Nov 19 j 08:41 | 0° $\text{M}$ 42'01       |            | superior conj       | -7178 Apr 25 j 08:19 | 9° $\text{X}$ 15'42       | -0°24'45   |
|                     | -7181 Nov 21 j 22:30 | 30° $\text{R}$ $\text{A}$ |            | minimum elong       | -7178 Apr 25 j 12:54 | 9° $\text{X}$ 29'53       | 0°24'46    |
| evening set         | -7181 Nov 29 j 05:21 | 26° $\text{A}$ 40'23      |            | asc. node           | -7178 May 06 j 03:16 | 22° $\text{X}$ 36'44      |            |
| min. Earth dist.    | -7181 Dec 04 j 06:48 | 23° $\text{A}$ 34'24      | 0.27938 AU |                     | -7178 May 12 j 02:18 | 0° $\text{Y}$             |            |
| inferior conj       | -7181 Dec 05 j 05:54 | 22° $\text{A}$ 57'26      | 3°42'43    | evening rise        | -7178 May 30 j 23:34 | 23° $\text{Y}$ 28'08      |            |
| minimum elong       | -7181 Dec 04 j 22:50 | 23° $\text{A}$ 08'45      | 3°40'41    |                     | -7178 Jun 05 j 05:25 | 0° $\text{B}$             |            |
| morning rise        | -7181 Dec 10 j 17:09 | 19° $\text{A}$ 34'58      |            |                     | -7178 Jun 29 j 06:52 | 0° $\text{II}$            |            |
| direct              | -7181 Dec 26 j 01:12 | 14° $\text{A}$ 53'06      |            |                     | -7178 Jul 23 j 08:30 | 0° $\text{D}$             |            |
| greatest brilliancy | -7180 Jan 03 j 22:15 | 16° $\text{A}$ 21'09      | -4.8m      |                     | -7178 Aug 16 j 12:38 | 0° $\text{Q}$             |            |
|                     | -7180 Jan 26 j 22:44 | 0° $\text{M}$             |            | desc. node          | -7178 Aug 26 j 09:43 | 12° $\text{Q}$ 11'31      |            |
| morning max el      | -7180 Feb 12 j 20:39 | 14° $\text{M}$ 54'37      | 45°57'04   |                     | -7178 Sep 09 j 21:55 | 0° $\text{P}$             |            |
|                     | -7180 Feb 28 j 00:10 | 0° $\text{X}$             |            |                     | -7178 Oct 04 j 16:05 | 0° $\text{A}$             |            |
| desc. node          | -7180 Mar 10 j 20:16 | 12° $\text{X}$ 29'38      |            |                     | -7178 Oct 30 j 03:05 | 0° $\text{M}$             |            |
|                     | -7180 Mar 26 j 18:43 | 0° $\text{Z}$             |            |                     | -7178 Nov 26 j 05:18 | 0° $\text{X}$             |            |
|                     | -7180 Apr 22 j 00:00 | 0° $\approx$              |            | evening max el      | -7178 Dec 03 j 17:23 | 7° $\text{X}$ 41'12       | 45°59'25   |
|                     | -7180 May 17 j 07:29 | 0° $\text{X}$             |            | asc. node           | -7178 Dec 16 j 19:22 | 20° $\text{X}$ 00'31      |            |
|                     | -7180 Jun 10 j 23:36 | 0° $\text{Y}$             |            |                     | -7178 Dec 29 j 10:36 | 0° $\text{Z}$             |            |
| asc. node           | -7180 Jul 01 j 03:25 | 24° $\text{Y}$ 57'35      |            | greatest brilliancy | -7177 Jan 11 j 02:01 | 6° $\text{Z}$ 57'33       | -4.7m      |
|                     | -7180 Jul 05 j 04:23 | 0° $\text{B}$             |            | retrograde          | -7177 Jan 22 j 04:02 | 9° $\text{Z}$ 12'44       |            |
|                     | -7180 Jul 29 j 01:34 | 0° $\text{II}$            |            | evening set         | -7177 Feb 08 j 19:52 | 3° $\text{Z}$ 11'19       |            |
| greatest brilliancy | -7180 Jul 29 j 21:43 | 1° $\text{II}$ 03'31      | -3.9m      | inferior conj       | -7177 Feb 12 j 14:09 | 0° $\text{Z}$ 48'55       | 8°06'15    |
| morning set         | -7180 Aug 07 j 22:54 | 12° $\text{II}$ 29'16     |            | minimum elong       | -7177 Feb 12 j 15:04 | 0° $\text{Z}$ 47'27       | 8°05'45    |
|                     | -7180 Aug 21 j 19:04 | 0° $\text{D}$             |            | min. Earth dist.    | -7177 Feb 12 j 17:09 | 0° $\text{Z}$ 44'06       | 0.29545 AU |
|                     | -7180 Sep 14 j 12:32 | 0° $\text{Q}$             |            |                     | -7177 Feb 13 j 20:46 | 30° $\text{R}$ $\text{X}$ |            |
| superior conj       | -7180 Sep 17 j 13:36 | 3° $\text{Q}$ 50'31       | 1°07'10    | morning rise        | -7177 Feb 16 j 10:23 | 28° $\text{X}$ 23'41      |            |
| minimum elong       | -7180 Sep 18 j 00:50 | 4° $\text{Q}$ 25'57       | 1°07'17    | direct              | -7177 Mar 06 j 10:05 | 22° $\text{X}$ 18'19      |            |
| max. Earth dist.    | -7180 Sep 22 j 05:36 | 9° $\text{Q}$ 43'35       | 1.70915 AU | greatest brilliancy | -7177 Mar 16 j 03:41 | 24° $\text{X}$ 01'11      | -4.7m      |
|                     | -7180 Oct 08 j 08:39 | 0° $\text{P}$             |            |                     | -7177 Mar 28 j 06:23 | 0° $\text{Z}$             |            |
| desc. node          | -7180 Oct 21 j 09:05 | 16° $\text{P}$ 17'55      |            | desc. node          | -7177 Apr 08 j 07:24 | 7° $\text{Z}$ 56'40       |            |
| evening rise        | -7180 Oct 30 j 15:55 | 27° $\text{P}$ 53'00      |            | morning max el      | -7177 Apr 24 j 09:32 | 22° $\text{Z}$ 10'52      | 45°57'42   |
|                     | -7180 Nov 01 j 08:42 | 0° $\text{A}$             |            |                     | -7177 May 02 j 08:39 | 0° $\approx$              |            |
|                     | -7180 Nov 25 j 12:54 | 0° $\text{M}$             |            |                     | -7177 May 30 j 08:17 | 0° $\text{X}$             |            |
|                     | -7180 Dec 19 j 21:32 | 0° $\text{X}$             |            |                     | -7177 Jun 25 j 06:15 | 0° $\text{Y}$             |            |
|                     | -7179 Jan 13 j 12:12 | 0° $\text{Z}$             |            |                     | -7177 Jul 20 j 02:30 | 0° $\text{B}$             |            |
|                     | -7179 Feb 07 j 12:36 | 0° $\approx$              |            | asc. node           | -7177 Jul 29 j 16:04 | 11° $\text{B}$ 46'52      |            |
| asc. node           | -7179 Feb 10 j 15:24 | 3° $\approx$ 41'27        |            |                     | -7177 Aug 13 j 07:34 | 0° $\text{II}$            |            |
|                     | -7179 Mar 05 j 04:59 | 0° $\text{X}$             |            |                     | -7177 Sep 06 j 04:41 | 0° $\text{D}$             |            |
|                     | -7179 Apr 01 j 01:05 | 0° $\text{Y}$             |            |                     | -7177 Sep 29 j 23:37 | 0° $\text{Q}$             |            |
| evening max el      | -7179 Apr 27 j 19:39 | 27° $\text{Y}$ 29'54      | 45°42'56   | morning set         | -7177 Oct 23 j 20:31 | 0° $\text{P}$             |            |
|                     | -7179 Apr 30 j 11:10 | 0° $\text{B}$             |            |                     | -7177 Oct 24 j 23:17 | 1° $\text{P}$ 23'49       |            |
| desc. node          | -7179 Jun 03 j 02:31 | 24° $\text{B}$ 43'46      |            | desc. node          | -7177 Nov 16 j 21:17 | 0° $\text{A}$             |            |
| greatest brilliancy | -7179 Jun 06 j 06:24 | 25° $\text{B}$ 56'37      | -4.8m      |                     | -7177 Nov 18 j 22:17 | 2° $\text{A}$ 32'20       |            |
| retrograde          | -7179 Jun 16 j 02:01 | 27° $\text{B}$ 40'49      |            | superior conj       | -7177 Dec 06 j 01:21 | 23° $\text{A}$ 47'04      | -0°37'42   |
| evening set         | -7179 Jul 01 j 23:18 | 22° $\text{B}$ 55'22      |            | minimum elong       | -7177 Dec 05 j 16:41 | 23° $\text{A}$ 20'16      | 0°37'28    |
| inferior conj       | -7179 Jul 06 j 22:38 | 20° $\text{B}$ 02'10      | -7°07'57   | max. Earth dist.    | -7177 Dec 10 j 07:08 | 29° $\text{A}$ 02'01      | 1.72588 AU |
| minimum elong       | -7179 Jul 06 j 12:23 | 20° $\text{B}$ 17'28      | 7°05'43    |                     | -7177 Dec 11 j 01:53 | 0° $\text{M}$             |            |
| min. Earth dist.    | -7179 Jul 06 j 23:54 | 20° $\text{B}$ 00'15      | 0.27041 AU |                     | -7176 Jan 04 j 09:20 | 0° $\text{X}$             |            |
| morning rise        | -7179 Jul 11 j 01:14 | 17° $\text{B}$ 37'29      |            | evening rise        | -7176 Jan 14 j 14:18 | 12° $\text{X}$ 33'41      |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 46

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |                     |                      |                      |                     |
|---------------------|----------------------|-----------|---------------------|----------------------|----------------------|---------------------|
|                     | -7176 Jan 28 j 19:07 | 0°☾       | morning max el      | -7174 Jul 03 j 10:52 | 29°☿59'10            | 46°27'35            |
|                     | -7176 Feb 22 j 07:50 | 0°♊       |                     | -7174 Jul 31 j 11:37 | 0°♋                  |                     |
| asc. node           | -7176 Mar 10 j 03:35 | 20°♌26'58 | asc. node           | -7174 Aug 26 j 04:17 | 0°♍06'31             |                     |
|                     | -7176 Mar 18 j 00:59 | 0°♎       |                     | -7174 Aug 26 j 02:06 | 0°♎                  |                     |
|                     | -7176 Apr 12 j 00:29 | 0°♏       |                     | -7174 Sep 19 j 16:28 | 0°♐                  |                     |
|                     | -7176 May 07 j 08:58 | 0°♑       |                     | -7174 Oct 13 j 21:16 | 0°♑                  |                     |
|                     | -7176 Jun 02 j 08:15 | 0°♒       |                     | -7174 Nov 07 j 00:41 | 0°♒                  |                     |
|                     | -7176 Jun 29 j 15:00 | 0°♓       |                     | -7174 Dec 01 j 06:35 | 0°♓                  |                     |
| desc. node          | -7176 Jun 30 j 13:04 | 0°♈58'00  | desc. node          | -7174 Dec 16 j 11:28 | 18°♈43'45            |                     |
| evening max el      | -7176 Jul 10 j 17:02 | 11°♈22'27 | 47°20'06            | -7174 Dec 25 j 15:36 | 0°♉                  |                     |
|                     | -7176 Jul 31 j 05:36 | 0°♊       | morning set         | -7173 Jan 08 j 15:29 | 17°♉10'37            |                     |
| greatest brilliancy | -7176 Aug 21 j 02:29 | 12°♊28'08 | -4.9m               | -7173 Jan 19 j 02:27 | 0°♋                  |                     |
| retrograde          | -7176 Aug 30 j 07:06 | 14°♊04'10 |                     | -7173 Feb 12 j 13:35 | 0°♌                  |                     |
| evening set         | -7176 Sep 15 j 19:58 | 8°♊44'02  |                     | max. Earth dist.     | -7173 Feb 14 j 19:19 | 2°♌44'46 1.73730 AU |
| inferior conj       | -7176 Sep 19 j 21:49 | 6°♋15'52  | -6°56'34            |                      |                      |                     |
| minimum elong       | -7176 Sep 20 j 08:16 | 5°♋59'47  | 6°53'59             | superior conj        | -7173 Feb 15 j 14:37 | 3°♌43'57 -1°21'18   |
| min. Earth dist.    | -7176 Sep 19 j 18:00 | 6°♋21'44  | 0.26541 AU          | minimum elong        | -7173 Feb 15 j 16:49 | 3°♌50'43 1°21'47    |
| morning rise        | -7176 Sep 24 j 20:45 | 3°♋18'31  |                     |                      | -7173 Mar 09 j 00:15 | 0°♍                 |
|                     | -7176 Oct 02 j 03:17 | 30°♌☾     |                     | evening rise         | -7173 Mar 23 j 15:26 | 17°♍58'10           |
| direct              | -7176 Oct 10 j 03:01 | 28°♌40'38 |                     |                      | -7173 Apr 02 j 10:31 | 0°♎                 |
|                     | -7176 Oct 18 j 09:01 | 0°♍       | asc. node           | -7173 Apr 07 j 16:18 | 6°♎26'16             |                     |
| greatest brilliancy | -7176 Oct 20 j 02:28 | 0°♍35'10  | -4.9m               |                      | -7173 Apr 26 j 20:53 | 0°♏                 |
| asc. node           | -7176 Oct 21 j 00:17 | 0°♍55'58  |                     |                      | -7173 May 21 j 08:04 | 0°♑                 |
|                     | -7176 Nov 27 j 20:52 | 0°♒       |                     |                      | -7173 Jun 14 j 21:20 | 0°♒                 |
| morning max el      | -7176 Nov 29 j 06:17 | 1°♒23'14  | 46°27'19            |                      | -7173 Jul 09 j 15:14 | 0°♓                 |
|                     | -7176 Dec 26 j 05:18 | 0°♈       | desc. node          | -7173 Jul 29 j 00:03 | 23°♈10'06            |                     |
|                     | -7175 Jan 21 j 18:53 | 0°♉       |                     | -7173 Aug 03 j 18:39 | 0°♊                  |                     |
| desc. node          | -7175 Feb 10 j 10:42 | 22°♉45'39 |                     | -7173 Aug 29 j 18:06 | 0°♋                  |                     |
|                     | -7175 Feb 16 j 15:18 | 0°♌       | evening max el      | -7173 Sep 21 j 16:21 | 24°♌45'56            | 47°32'14            |
|                     | -7175 Mar 14 j 00:34 | 0°♍       |                     | -7173 Sep 26 j 21:24 | 0°♎                  |                     |
|                     | -7175 Apr 08 j 00:18 | 0°♎       | greatest brilliancy | -7173 Nov 01 j 06:05 | 26°♎45'05            | -4.9m               |
|                     | -7175 May 02 j 15:21 | 0°♏       | retrograde          | -7173 Nov 11 j 21:34 | 28°♎56'53            |                     |
| morning set         | -7175 May 26 j 11:00 | 29°♏23'30 | asc. node           | -7173 Nov 18 j 10:52 | 28°♏02'03            |                     |
|                     | -7175 May 26 j 22:46 | 0°♑       | evening set         | -7173 Nov 26 j 19:44 | 24°♏23'26            |                     |
| asc. node           | -7175 Jun 02 j 16:23 | 8°♑22'23  | min. Earth dist.    | -7173 Dec 01 j 22:12 | 21°♏16'24            | 0.27862 AU          |
|                     | -7175 Jun 19 j 23:56 | 0°♒       | inferior conj       | -7173 Dec 02 j 21:22 | 20°♏39'25            | 3°24'08             |
| max. Earth dist.    | -7175 Jun 28 j 13:20 | 10°♒44'13 | 1.71505 AU          | minimum elong        | -7173 Dec 02 j 14:46 | 20°♏49'57 3°22'12   |
|                     |                      |           | morning rise        | -7173 Dec 08 j 10:40 | 17°♏14'36            |                     |
| superior conj       | -7175 Jul 02 j 07:46 | 15°♒28'21 | 1°01'47             | direct               | -7173 Dec 23 j 15:44 | 12°♏36'13           |
| minimum elong       | -7175 Jul 01 j 22:33 | 14°♒59'21 | 1°01'47             | greatest brilliancy  | -7172 Jan 01 j 13:08 | 14°♏05'01 -4.8m     |
|                     | -7175 Jul 13 j 20:53 | 0°♓       |                     |                      | -7172 Jan 27 j 07:55 | 0°♉                 |
|                     | -7175 Aug 06 j 16:08 | 0°♈       | morning max el      | -7172 Feb 10 j 12:49 | 12°♉43'58            | 45°57'42            |
| evening rise        | -7175 Aug 09 j 21:12 | 4°♈02'43  |                     | -7172 Feb 27 j 18:24 | 0°♊                  |                     |
|                     | -7175 Aug 30 j 12:23 | 0°♊       | desc. node          | -7172 Mar 09 j 22:35 | 11°♊52'02            |                     |
| desc. node          | -7175 Sep 22 j 22:15 | 29°♊17'53 |                     | -7172 Mar 26 j 09:13 | 0°♋                  |                     |
|                     | -7175 Sep 23 j 11:46 | 0°♌       |                     | -7172 Apr 21 j 12:54 | 0°♎                  |                     |
|                     | -7175 Oct 17 j 15:41 | 0°♍       |                     | -7172 May 16 j 19:34 | 0°♏                  |                     |
|                     | -7175 Nov 11 j 01:41 | 0°♎       |                     | -7172 Jun 10 j 11:14 | 0°♑                  |                     |
|                     | -7175 Dec 05 j 21:23 | 0°♏       | asc. node           | -7172 Jun 30 j 05:29 | 24°♑28'23            |                     |
|                     | -7175 Dec 31 j 11:14 | 0°♐       |                     | -7172 Jul 04 j 15:48 | 0°♒                  |                     |
| asc. node           | -7174 Jan 13 j 06:04 | 14°♐25'43 |                     | -7172 Jul 28 j 12:53 | 0°♓                  |                     |
|                     | -7174 Jan 27 j 15:29 | 0°♑       | greatest brilliancy | -7172 Jul 29 j 04:21 | 0°♓48'47             | -3.9m               |
| evening max el      | -7174 Feb 12 j 12:11 | 15°♑56'28 | 44°59'51            | morning set          | -7172 Aug 05 j 11:11 | 10°♓00'44           |
|                     | -7174 Feb 28 j 12:10 | 0°♒       |                     | -7172 Aug 21 j 06:23 | 0°♔                  |                     |
| greatest brilliancy | -7174 Mar 22 j 03:43 | 12°♒58'36 | -4.7m               | -7172 Sep 13 j 23:52 | 0°♕                  |                     |
| retrograde          | -7174 Apr 01 j 12:24 | 14°♒53'24 |                     |                      |                      |                     |
| evening set         | -7174 Apr 16 j 22:26 | 10°♒25'56 |                     | superior conj        | -7172 Sep 14 j 22:35 | 1°♓11'41 1°09'28    |
| inferior conj       | -7174 Apr 22 j 21:08 | 6°♒56'27  | 2°54'22             | minimum elong        | -7172 Sep 15 j 09:24 | 1°♓45'49 1°09'37    |
| minimum elong       | -7174 Apr 23 j 03:07 | 6°♒47'16  | 2°52'32             | max. Earth dist.     | -7172 Sep 19 j 11:43 | 6°♓55'51 1.70886 AU |
| min. Earth dist.    | -7174 Apr 23 j 22:29 | 6°♒17'34  | 0.28605 AU          |                      | -7172 Oct 07 j 20:01 | 0°♔                 |
| morning rise        | -7174 Apr 29 j 06:47 | 3°♒09'06  |                     | desc. node           | -7172 Oct 20 j 11:10 | 15°♔48'52           |
| desc. node          | -7174 May 05 j 18:04 | 0°♒13'07  |                     | evening rise         | -7172 Oct 28 j 00:28 | 25°♔14'39           |
|                     | -7174 May 06 j 09:47 | 30°♒☾     |                     |                      | -7172 Oct 31 j 20:05 | 0°♕                 |
| direct              | -7174 May 14 j 14:31 | 28°♒40'38 |                     |                      | -7172 Nov 25 j 00:19 | 0°♎                 |
|                     | -7174 May 23 j 03:05 | 0°♓       |                     |                      | -7172 Dec 19 j 09:03 | 0°♏                 |
| greatest brilliancy | -7174 May 26 j 02:01 | 1°♓01'10  | -4.8m               |                      | -7171 Jan 13 j 00:01 | 0°♐                 |
|                     | -7174 Jul 03 j 11:12 | 0°♔       |                     |                      | -7171 Feb 07 j 01:04 | 0°♑                 |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |                     |                      |                      |  |
|---------------------|----------------------|----------------------|---------------------|----------------------|----------------------|--|
| asc. node           | -7171 Feb 09 j 17:39 | 3°≈10'56             |                     | -7169 Sep 05 j 16:15 | 0°☾                  |  |
|                     | -7171 Mar 04 j 18:50 | 0°☿                  |                     | -7169 Sep 29 j 11:01 | 0°♈                  |  |
|                     | -7171 Mar 31 j 17:58 | 0°♊                  | morning set         | -7169 Oct 22 j 08:55 | 28°♏48'24            |  |
| evening max el      | -7171 Apr 25 j 10:31 | 25°♊13'34 45°39'50   |                     | -7169 Oct 23 j 07:46 | 0°♎                  |  |
|                     | -7171 Apr 30 j 13:05 | 0°♋                  |                     | -7169 Nov 16 j 08:26 | 0°♌                  |  |
| desc. node          | -7171 Jun 02 j 04:39 | 22°♋57'53            | desc. node          | -7169 Nov 18 j 00:18 | 2°♌03'58             |  |
| greatest brilliancy | -7171 Jun 03 j 17:20 | 23°♋31'02 -4.8m      |                     |                      |                      |  |
| retrograde          | -7171 Jun 13 j 14:20 | 25°♋15'49            | superior conj       | -7169 Dec 03 j 12:33 | 21°♌18'56 -0°34'22   |  |
| evening set         | -7171 Jun 29 j 07:56 | 20°♋35'55            | minimum elong       | -7169 Dec 03 j 04:27 | 20°♌53'49 0°34'10    |  |
| inferior conj       | -7171 Jul 04 j 11:05 | 17°♋37'11 -6°53'13   | max. Earth dist.    | -7169 Dec 08 j 00:20 | 26°♌52'33 1.72524 AU |  |
| minimum elong       | -7171 Jul 04 j 00:40 | 17°♋52'46 6°50'52    |                     | -7169 Dec 10 j 12:56 | 0°♍                  |  |
| min. Earth dist.    | -7171 Jul 04 j 12:40 | 17°♋34'49 0.27074 AU |                     | -7168 Jan 03 j 20:19 | 0°♊                  |  |
| morning rise        | -7171 Jul 08 j 17:10 | 15°♋07'27            | evening rise        | -7168 Jan 12 j 05:40 | 10°♊19'33            |  |
| direct              | -7171 Jul 25 j 07:55 | 9°♋54'40             |                     | -7168 Jan 28 j 06:07 | 0°♋                  |  |
| greatest brilliancy | -7171 Aug 05 j 03:48 | 12°♋06'07 -4.9m      |                     | -7168 Feb 21 j 19:00 | 0°≈                  |  |
|                     | -7171 Aug 31 j 08:22 | 0°♌                  | asc. node           | -7168 Mar 09 j 05:49 | 19°≈59'09            |  |
| morning max el      | -7171 Sep 14 j 01:25 | 13°♌14'55 46°48'18   |                     | -7168 Mar 17 j 12:32 | 0°☿                  |  |
| asc. node           | -7171 Sep 22 j 15:47 | 22°♌16'49            |                     | -7168 Apr 11 j 12:44 | 0°♊                  |  |
|                     | -7171 Sep 29 j 17:19 | 0°☾                  |                     | -7168 May 06 j 22:25 | 0°♋                  |  |
|                     | -7171 Oct 25 j 19:58 | 0°♈                  |                     | -7168 Jun 01 j 23:51 | 0°♌                  |  |
|                     | -7171 Nov 19 j 23:59 | 0°♎                  |                     | -7168 Jun 29 j 11:26 | 0°☾                  |  |
|                     | -7171 Dec 14 j 21:45 | 0°♌                  | desc. node          | -7168 Jun 29 j 15:11 | 0°☾09'46             |  |
| desc. node          | -7170 Jan 08 j 18:23 | 0°♍                  | evening max el      | -7168 Jul 08 j 05:05 | 8°☾53'55 47°17'08    |  |
|                     | -7170 Jan 13 j 00:24 | 5°♍07'54             |                     | -7168 Jul 31 j 23:25 | 0°♈                  |  |
|                     | -7170 Feb 02 j 14:07 | 0°♊                  | greatest brilliancy | -7168 Aug 18 j 16:06 | 9°♈58'46 -4.9m       |  |
|                     | -7170 Feb 27 j 07:28 | 0°♋                  | retrograde          | -7168 Aug 27 j 18:37 | 11°♈33'14            |  |
| morning set         | -7170 Mar 18 j 17:00 | 23°♋39'53            | evening set         | -7168 Sep 13 j 11:33 | 6°♈08'50             |  |
|                     | -7170 Mar 23 j 21:15 | 0°≈                  | inferior conj       | -7168 Sep 17 j 10:03 | 3°♈45'58 -7°11'44    |  |
|                     | -7170 Apr 17 j 07:04 | 0°☿                  | minimum elong       | -7168 Sep 17 j 20:20 | 3°♈30'08 7°09'18     |  |
| max. Earth dist.    | -7170 Apr 19 j 09:44 | 2°☿36'12 1.73264 AU  | min. Earth dist.    | -7168 Sep 17 j 07:16 | 3°♈50'15 0.26537 AU  |  |
|                     |                      |                      | morning rise        | -7168 Sep 22 j 05:12 | 0°♈53'56             |  |
| superior conj       | -7170 Apr 23 j 03:42 | 7°☿13'47 -0°27'34    |                     | -7168 Sep 23 j 20:48 | 30°♋☾                |  |
| minimum elong       | -7170 Apr 23 j 08:45 | 7°☿29'21 0°27'34     | direct              | -7168 Oct 07 j 14:42 | 26°☾10'50            |  |
| asc. node           | -7170 May 05 j 05:21 | 22°☿09'23            | greatest brilliancy | -7168 Oct 17 j 16:24 | 28°☾07'07 -4.9m      |  |
|                     | -7170 May 11 j 13:14 | 0°♊                  | asc. node           | -7168 Oct 20 j 02:25 | 29°☾06'02            |  |
| evening rise        | -7170 May 28 j 18:04 | 21°♊21'54            |                     | -7168 Oct 22 j 00:23 | 0°♈                  |  |
|                     | -7170 Jun 04 j 16:33 | 0°♋                  | morning max el      | -7168 Nov 26 j 18:50 | 28°♈56'16 46°28'38   |  |
|                     | -7170 Jun 28 j 18:16 | 0°♌                  |                     | -7168 Nov 27 j 20:11 | 0°♎                  |  |
|                     | -7170 Jul 22 j 20:12 | 0°☾                  |                     | -7168 Dec 25 j 21:48 | 0°♌                  |  |
|                     | -7170 Aug 16 j 00:43 | 0°♈                  |                     | -7167 Jan 21 j 08:45 | 0°♍                  |  |
| desc. node          | -7170 Aug 25 j 11:58 | 11°♈40'38            | desc. node          | -7167 Feb 09 j 12:58 | 22°♍15'05            |  |
|                     | -7170 Sep 09 j 10:32 | 0°♎                  |                     | -7167 Feb 16 j 03:47 | 0°♊                  |  |
|                     | -7170 Oct 04 j 05:33 | 0°♌                  |                     | -7167 Mar 13 j 12:16 | 0°♋                  |  |
|                     | -7170 Oct 29 j 18:13 | 0°♍                  |                     | -7167 Apr 07 j 11:31 | 0°≈                  |  |
|                     | -7170 Nov 26 j 00:45 | 0°♊                  |                     | -7167 May 02 j 02:19 | 0°☿                  |  |
| evening max el      | -7170 Dec 01 j 09:13 | 5°♊27'18 46°02'40    | morning set         | -7167 May 24 j 05:12 | 27°☿17'24            |  |
| asc. node           | -7170 Dec 15 j 21:29 | 19°♊02'48            |                     | -7167 May 26 j 09:37 | 0°♊                  |  |
|                     | -7170 Dec 30 j 09:38 | 0°♋                  | asc. node           | -7167 Jun 01 j 18:31 | 7°♊55'19             |  |
| greatest brilliancy | -7169 Jan 08 j 19:57 | 4°♋51'11 -4.8m       |                     | -7167 Jun 19 j 10:47 | 0°♋                  |  |
| retrograde          | -7169 Jan 19 j 21:07 | 7°♋05'57             | max. Earth dist.    | -7167 Jun 26 j 05:14 | 8°♋29'20 1.71566 AU  |  |
| evening set         | -7169 Feb 06 j 13:07 | 1°♋04'55             |                     |                      |                      |  |
|                     | -7169 Feb 08 j 06:44 | 30°♋♊                | superior conj       | -7167 Jun 29 j 23:44 | 13°♋13'30 0°59'29    |  |
| inferior conj       | -7169 Feb 10 j 07:36 | 28°♊41'56 8°07'13    | minimum elong       | -7167 Jun 29 j 14:32 | 12°♋44'34 0°59'28    |  |
| minimum elong       | -7169 Feb 10 j 07:51 | 28°♊41'31 8°06'44    |                     | -7167 Jul 13 j 07:49 | 0°♌                  |  |
| min. Earth dist.    | -7169 Feb 10 j 09:21 | 28°♊39'07 0.29527 AU |                     | -7167 Aug 06 j 03:14 | 0°☾                  |  |
| morning rise        | -7169 Feb 14 j 02:42 | 26°♊18'04            | evening rise        | -7167 Aug 07 j 09:07 | 1°☾34'08             |  |
| direct              | -7169 Mar 04 j 03:01 | 20°♊11'48            |                     | -7167 Aug 29 j 23:40 | 0°♈                  |  |
| greatest brilliancy | -7169 Mar 13 j 18:53 | 21°♊52'58 -4.7m      | desc. node          | -7167 Sep 22 j 00:19 | 28°♈48'34            |  |
|                     | -7169 Mar 29 j 04:19 | 0°♋                  |                     | -7167 Sep 22 j 23:14 | 0°♎                  |  |
| desc. node          | -7169 Apr 07 j 09:31 | 6°♋57'06             |                     | -7167 Oct 17 j 03:22 | 0°♌                  |  |
| morning max el      | -7169 Apr 22 j 00:54 | 20°♋00'05 45°57'01   |                     | -7167 Nov 10 j 13:43 | 0°♍                  |  |
|                     | -7169 May 02 j 03:53 | 0°≈                  |                     | -7167 Dec 05 j 10:04 | 0°♊                  |  |
|                     | -7169 May 29 j 23:01 | 0°☿                  |                     | -7167 Dec 31 j 01:21 | 0°♋                  |  |
|                     | -7169 Jun 24 j 19:17 | 0°♊                  | asc. node           | -7166 Jan 12 j 08:23 | 13°♋49'35            |  |
|                     | -7169 Jul 19 j 14:43 | 0°♋                  |                     | -7166 Jan 27 j 09:18 | 0°≈                  |  |
| asc. node           | -7169 Jul 28 j 18:18 | 11°♋16'38            | evening max el      | -7166 Feb 10 j 03:17 | 13°≈45'00 45°00'28   |  |
|                     | -7169 Aug 12 j 19:22 | 0°♌                  |                     | -7166 Feb 28 j 22:57 | 0°☿                  |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 48

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                         |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|-------------------------|------------|
| greatest brilliancy | -7166 Mar 19 j 18:05 | 10° $\text{H}$ 48'21           | -4.7m      | superior conj       | -7164 Sep 12 j 08:14 | 28° $\text{G}$ 35'44    | 1°11'34    |
| retrograde          | -7166 Mar 30 j 04:26 | 12° $\text{H}$ 44'34           |            | minimum elong       | -7164 Sep 12 j 18:32 | 29° $\text{G}$ 08'12    | 1°11'45    |
| evening set         | -7166 Apr 14 j 16:05 | 8° $\text{H}$ 13'30            |            |                     | -7164 Sep 13 j 10:56 | 0° $\Omega$             |            |
| inferior conj       | -7166 Apr 20 j 12:53 | 4° $\text{H}$ 46'19            | 3°12'32    | max. Earth dist.    | -7164 Sep 16 j 19:04 | 4° $\Omega$ 12'44       | 1.70855 AU |
| minimum elong       | -7166 Apr 20 j 19:23 | 4° $\text{H}$ 36'21            | 3°10'34    |                     | -7164 Oct 07 j 07:06 | 0° $\text{M}$           |            |
| min. Earth dist.    | -7166 Apr 21 j 14:22 | 4° $\text{H}$ 07'13            | 0.28667 AU | desc. node          | -7164 Oct 19 j 13:13 | 15° $\text{M}$ 20'35    |            |
| morning rise        | -7166 Apr 26 j 21:44 | 1° $\text{H}$ 00'04            |            | evening rise        | -7164 Oct 25 j 09:13 | 22° $\text{M}$ 37'36    |            |
|                     | -7166 Apr 28 j 19:43 | 30° $\text{R}$                 |            |                     | -7164 Oct 31 j 07:12 | 0° $\underline{\Omega}$ |            |
| desc. node          | -7166 May 04 j 20:12 | 27° $\approx$ 35'02            |            |                     | -7164 Nov 24 j 11:30 | 0° $\text{M}$           |            |
| direct              | -7166 May 12 j 06:56 | 26° $\approx$ 29'16            |            |                     | -7164 Dec 18 j 20:25 | 0° $\text{Z}$           |            |
| greatest brilliancy | -7166 May 23 j 18:05 | 28° $\approx$ 49'54            | -4.8m      |                     | -7163 Jan 12 j 11:43 | 0° $\text{Z}$           |            |
|                     | -7166 May 26 j 11:50 | 0° $\text{H}$                  |            |                     | -7163 Feb 06 j 13:27 | 0° $\approx$            |            |
| morning max el      | -7166 Jul 01 j 03:19 | 27° $\text{H}$ 46'38           | 46°26'33   | asc. node           | -7163 Feb 08 j 19:53 | 2° $\approx$ 40'39      |            |
|                     | -7166 Jul 03 j 08:54 | 0° $\text{Y}$                  |            |                     | -7163 Mar 04 j 08:39 | 0° $\text{H}$           |            |
|                     | -7166 Jul 31 j 03:20 | 0° $\text{B}$                  |            |                     | -7163 Mar 31 j 10:58 | 0° $\text{Y}$           |            |
| asc. node           | -7166 Aug 25 j 06:34 | 29° $\text{B}$ 32'34           |            | evening max el      | -7163 Apr 23 j 00:49 | 22° $\text{Y}$ 56'36    | 45°36'53   |
|                     | -7166 Aug 25 j 15:41 | 0° $\text{II}$                 |            |                     | -7163 Apr 30 j 16:11 | 0° $\text{B}$           |            |
|                     | -7166 Sep 19 j 05:03 | 0° $\text{G}$                  |            | greatest brilliancy | -7163 Jun 01 j 05:05 | 21° $\text{B}$ 07'31    | -4.8m      |
|                     | -7166 Oct 13 j 09:18 | 0° $\Omega$                    |            | desc. node          | -7163 Jun 01 j 06:52 | 21° $\text{B}$ 09'01    |            |
|                     | -7166 Nov 06 j 12:21 | 0° $\text{M}$                  |            | retrograde          | -7163 Jun 11 j 02:18 | 22° $\text{B}$ 52'11    |            |
|                     | -7166 Nov 30 j 17:58 | 0° $\underline{\Omega}$        |            | evening set         | -7163 Jun 26 j 16:57 | 18° $\text{B}$ 17'36    |            |
| desc. node          | -7166 Dec 15 j 13:36 | 18° $\underline{\Omega}$ 15'47 |            | inferior conj       | -7163 Jul 01 j 23:46 | 15° $\text{B}$ 13'37    | -6°37'47   |
|                     | -7166 Dec 25 j 02:43 | 0° $\text{M}$                  |            | minimum elong       | -7163 Jul 01 j 13:15 | 15° $\text{B}$ 29'22    | 6°35'20    |
| morning set         | -7165 Jan 06 j 05:27 | 14° $\text{M}$ 52'25           |            | min. Earth dist.    | -7163 Jul 02 j 02:01 | 15° $\text{B}$ 10'14    | 0.27108 AU |
|                     | -7165 Jan 18 j 13:21 | 0° $\text{Z}$                  |            | morning rise        | -7163 Jul 06 j 09:15 | 12° $\text{B}$ 38'46    |            |
|                     | -7165 Feb 12 j 00:22 | 0° $\text{Z}$                  |            | direct              | -7163 Jul 22 j 21:31 | 7° $\text{B}$ 30'25     |            |
| max. Earth dist.    | -7165 Feb 12 j 17:00 | 0° $\text{Z}$ 51'00            | 1.73716 AU | greatest brilliancy | -7163 Aug 02 j 17:53 | 9° $\text{B}$ 41'49     | -4.9m      |
|                     |                      |                                |            |                     | -7163 Aug 31 j 13:47 | 0° $\text{II}$          |            |
| superior conj       | -7165 Feb 13 j 08:17 | 1° $\text{Z}$ 37'55            | -1°21'39   | morning max el      | -7163 Sep 11 j 13:47 | 10° $\text{II}$ 45'44   | 46°48'18   |
| minimum elong       | -7165 Feb 13 j 09:51 | 1° $\text{Z}$ 42'43            | 1°22'08    | asc. node           | -7163 Sep 21 j 17:49 | 21° $\text{II}$ 29'03   |            |
|                     | -7165 Mar 08 j 11:01 | 0° $\approx$                   |            |                     | -7163 Sep 29 j 11:26 | 0° $\text{G}$           |            |
| evening rise        | -7165 Mar 21 j 10:45 | 15° $\approx$ 57'00            |            |                     | -7163 Oct 25 j 10:46 | 0° $\Omega$             |            |
|                     | -7165 Apr 01 j 21:24 | 0° $\text{H}$                  |            |                     | -7163 Nov 19 j 13:12 | 0° $\text{M}$           |            |
| asc. node           | -7165 Apr 06 j 18:23 | 5° $\text{H}$ 59'07            |            |                     | -7163 Dec 14 j 10:03 | 0° $\underline{\Omega}$ |            |
|                     | -7165 Apr 26 j 08:01 | 0° $\text{Y}$                  |            |                     | -7162 Jan 08 j 06:07 | 0° $\text{M}$           |            |
|                     | -7165 May 20 j 19:37 | 0° $\text{B}$                  |            | desc. node          | -7162 Jan 12 j 02:37 | 4° $\text{M}$ 39'29     |            |
|                     | -7165 Jun 14 j 09:28 | 0° $\text{II}$                 |            |                     | -7162 Feb 02 j 01:26 | 0° $\text{Z}$           |            |
|                     | -7165 Jul 09 j 04:13 | 0° $\text{G}$                  |            |                     | -7162 Feb 26 j 18:30 | 0° $\text{Z}$           |            |
| desc. node          | -7165 Jul 28 j 02:22 | 22° $\text{G}$ 35'46           |            | morning set         | -7162 Mar 16 j 11:59 | 21° $\text{Z}$ 37'55    |            |
|                     | -7165 Aug 03 j 08:59 | 0° $\Omega$                    |            |                     | -7162 Mar 23 j 08:05 | 0° $\approx$            |            |
|                     | -7165 Aug 29 j 11:03 | 0° $\text{M}$                  |            |                     | -7162 Apr 16 j 17:51 | 0° $\text{H}$           |            |
| evening max el      | -7165 Sep 19 j 08:45 | 22° $\text{M}$ 29'11           | 47°34'02   | max. Earth dist.    | -7162 Apr 17 j 04:42 | 0° $\text{H}$ 33'27     | 1.73307 AU |
|                     | -7165 Sep 26 j 21:57 | 0° $\underline{\Omega}$        |            |                     |                      |                         |            |
| greatest brilliancy | -7165 Oct 29 j 22:15 | 24° $\underline{\Omega}$ 26'34 | -4.9m      | superior conj       | -7162 Apr 20 j 23:03 | 5° $\text{H}$ 12'03     | -0°30'22   |
| retrograde          | -7165 Nov 09 j 13:59 | 26° $\underline{\Omega}$ 38'19 |            | minimum elong       | -7162 Apr 21 j 04:31 | 5° $\text{H}$ 28'55     | 0°30'21    |
| asc. node           | -7165 Nov 17 j 13:05 | 25° $\underline{\Omega}$ 17'11 |            | asc. node           | -7162 May 04 j 07:28 | 21° $\text{H}$ 42'24    |            |
| evening set         | -7165 Nov 24 j 10:13 | 22° $\underline{\Omega}$ 06'34 |            |                     | -7162 May 11 j 00:06 | 0° $\text{Y}$           |            |
| min. Earth dist.    | -7165 Nov 29 j 13:22 | 18° $\underline{\Omega}$ 58'41 | 0.27790 AU | evening rise        | -7162 May 26 j 12:39 | 19° $\text{Y}$ 16'17    |            |
| inferior conj       | -7165 Nov 30 j 12:43 | 18° $\underline{\Omega}$ 21'28 | 3°05'00    |                     | -7162 Jun 04 j 03:36 | 0° $\text{B}$           |            |
| minimum elong       | -7165 Nov 30 j 06:38 | 18° $\underline{\Omega}$ 31'11 | 3°03'12    |                     | -7162 Jun 28 j 05:35 | 0° $\text{II}$          |            |
| morning rise        | -7165 Dec 06 j 04:00 | 14° $\underline{\Omega}$ 54'25 |            |                     | -7162 Jul 22 j 07:52 | 0° $\text{G}$           |            |
| direct              | -7165 Dec 21 j 06:40 | 10° $\underline{\Omega}$ 19'33 |            |                     | -7162 Aug 15 j 12:47 | 0° $\Omega$             |            |
| greatest brilliancy | -7165 Dec 30 j 03:44 | 11° $\underline{\Omega}$ 48'35 | -4.8m      | desc. node          | -7162 Aug 24 j 14:04 | 11° $\Omega$ 09'18      |            |
|                     | -7164 Jan 27 j 14:26 | 0° $\text{M}$                  |            |                     | -7162 Sep 08 j 23:10 | 0° $\text{M}$           |            |
| morning max el      | -7164 Feb 08 j 05:08 | 10° $\text{M}$ 33'59           | 45°58'19   |                     | -7162 Oct 03 j 19:04 | 0° $\underline{\Omega}$ |            |
|                     | -7164 Feb 27 j 12:03 | 0° $\text{Z}$                  |            |                     | -7162 Oct 29 j 09:27 | 0° $\text{M}$           |            |
| desc. node          | -7164 Mar 09 j 00:41 | 11° $\text{Z}$ 14'51           |            |                     | -7162 Nov 25 j 20:40 | 0° $\text{Z}$           |            |
|                     | -7164 Mar 25 j 23:20 | 0° $\text{Z}$                  |            | evening max el      | -7162 Nov 29 j 00:08 | 3° $\text{Z}$ 11'11     | 46°05'57   |
|                     | -7164 Apr 21 j 01:27 | 0° $\approx$                   |            | asc. node           | -7162 Dec 14 j 23:47 | 18° $\text{Z}$ 04'27    |            |
|                     | -7164 May 16 j 07:20 | 0° $\text{H}$                  |            |                     | -7162 Dec 31 j 17:48 | 0° $\text{Z}$           |            |
|                     | -7164 Jun 09 j 22:35 | 0° $\text{Y}$                  |            | greatest brilliancy | -7161 Jan 06 j 13:50 | 2° $\text{Z}$ 44'52     | -4.8m      |
| asc. node           | -7164 Jun 29 j 07:41 | 24° $\text{Y}$ 00'25           |            | retrograde          | -7161 Jan 17 j 14:12 | 4° $\text{Z}$ 59'35     |            |
|                     | -7164 Jul 04 j 02:56 | 0° $\text{B}$                  |            |                     | -7161 Feb 02 j 13:21 | 30° $\text{R}$          |            |
|                     | -7164 Jul 27 j 23:58 | 0° $\text{II}$                 |            | evening set         | -7161 Feb 04 j 06:09 | 28° $\text{Z}$ 59'03    |            |
| greatest brilliancy | -7164 Jul 28 j 09:34 | 0° $\text{II}$ 30'15           | -3.9m      | inferior conj       | -7161 Feb 08 j 01:07 | 26° $\text{Z}$ 35'13    | 8°07'27    |
| morning set         | -7164 Aug 02 j 23:59 | 7° $\text{II}$ 34'35           |            | minimum elong       | -7161 Feb 08 j 00:43 | 26° $\text{Z}$ 35'52    | 8°06'58    |
|                     | -7164 Aug 20 j 17:27 | 0° $\text{G}$                  |            | min. Earth dist.    | -7161 Feb 08 j 01:48 | 26° $\text{Z}$ 34'08    | 0.29509 AU |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|--|
| morning rise        | -7161 Feb 11 j 19:22 | 24°♌12'24 |            |                     | -7159 Aug 05 j 14:35 | 0°♎       |            |  |
| direct              | -7161 Mar 01 j 19:40 | 18°♌05'22 |            |                     | -7159 Aug 29 j 11:12 | 0°♏       |            |  |
| greatest brilliancy | -7161 Mar 11 j 10:47 | 19°♌45'33 | -4.7m      | desc. node          | -7159 Sep 21 j 02:23 | 28°♏18'30 |            |  |
|                     | -7161 Mar 29 j 20:38 | 0°♐       |            |                     | -7159 Sep 22 j 10:58 | 0°♑       |            |  |
| desc. node          | -7161 Apr 06 j 11:38 | 5°♐58'50  |            |                     | -7159 Oct 16 j 15:21 | 0°♒       |            |  |
| morning max el      | -7161 Apr 19 j 16:14 | 17°♐49'00 | 45°56'25   |                     | -7159 Nov 10 j 02:04 | 0°♓       |            |  |
|                     | -7161 May 01 j 22:41 | 0°♑       |            |                     | -7159 Dec 04 j 23:08 | 0°♈       |            |  |
|                     | -7161 May 29 j 13:40 | 0°♉       |            |                     | -7159 Dec 30 j 15:57 | 0°♉       |            |  |
|                     | -7161 Jun 24 j 08:17 | 0°♊       |            | asc. node           | -7158 Jan 11 j 10:39 | 13°♊12'04 |            |  |
|                     | -7161 Jul 19 j 02:55 | 0°♋       |            |                     | -7158 Jan 27 j 03:54 | 0°♋       |            |  |
| asc. node           | -7161 Jul 27 j 20:31 | 10°♋46'22 |            | evening max el      | -7158 Feb 07 j 19:12 | 11°♋34'42 | 45°01'13   |  |
|                     | -7161 Aug 12 j 07:09 | 0°♌       |            |                     | -7158 Mar 01 j 13:55 | 0°♌       |            |  |
|                     | -7161 Sep 05 j 03:48 | 0°♍       |            | greatest brilliancy | -7158 Mar 17 j 08:33 | 8°♌37'43  | -4.7m      |  |
|                     | -7161 Sep 28 j 22:27 | 0°♎       |            | retrograde          | -7158 Mar 27 j 20:33 | 10°♌35'05 |            |  |
| morning set         | -7161 Oct 19 j 18:32 | 26°♎12'26 |            | evening set         | -7158 Apr 12 j 09:57 | 6°♌00'36  |            |  |
|                     | -7161 Oct 22 j 19:07 | 0°♏       |            | inferior conj       | -7158 Apr 18 j 04:42 | 2°♌35'37  | 3°30'11    |  |
|                     | -7161 Nov 15 j 19:41 | 0°♐       |            | minimum elong       | -7158 Apr 18 j 11:40 | 2°♌24'55  | 3°28'07    |  |
| desc. node          | -7161 Nov 17 j 02:27 | 1°♐35'45  |            | min. Earth dist.    | -7158 Apr 19 j 05:55 | 1°♌56'53  | 0.28727 AU |  |
|                     |                      |           |            |                     | -7158 Apr 22 j 11:36 | 30°♌      |            |  |
| superior conj       | -7161 Nov 30 j 23:44 | 18°♐50'20 | -0°30'59   | morning rise        | -7158 Apr 24 j 12:36 | 28°♌50'38 |            |  |
| minimum elong       | -7161 Nov 30 j 16:15 | 18°♐27'08 | 0°30'46    | desc. node          | -7158 May 03 j 22:26 | 25°♌01'04 |            |  |
| max. Earth dist.    | -7161 Dec 05 j 15:14 | 24°♐35'37 | 1.72457 AU | direct              | -7158 May 09 j 23:49 | 24°♌17'34 |            |  |
|                     | -7161 Dec 10 j 00:04 | 0°♑       |            | greatest brilliancy | -7158 May 21 j 09:26 | 26°♌37'13 | -4.8m      |  |
|                     | -7160 Jan 03 j 07:23 | 0°♒       |            |                     | -7158 May 28 j 10:19 | 0°♒       |            |  |
| evening rise        | -7160 Jan 09 j 21:02 | 8°♒05'09  |            | morning max el      | -7158 Jun 28 j 19:53 | 25°♒33'36 | 46°25'17   |  |
|                     | -7160 Jan 27 j 17:13 | 0°♓       |            |                     | -7158 Jul 03 j 06:15 | 0°♓       |            |  |
|                     | -7160 Feb 21 j 06:18 | 0°♈       |            |                     | -7158 Jul 30 j 19:13 | 0°♈       |            |  |
| asc. node           | -7160 Mar 08 j 07:54 | 19°♈30'30 |            | asc. node           | -7158 Aug 24 j 08:37 | 28°♈56'51 |            |  |
|                     | -7160 Mar 17 j 00:16 | 0°♉       |            |                     | -7158 Aug 25 j 05:34 | 0°♉       |            |  |
|                     | -7160 Apr 11 j 01:13 | 0°♊       |            |                     | -7158 Sep 18 j 17:56 | 0°♊       |            |  |
|                     | -7160 May 06 j 12:09 | 0°♋       |            |                     | -7158 Oct 12 j 21:38 | 0°♋       |            |  |
|                     | -7160 Jun 01 j 15:51 | 0°♌       |            |                     | -7158 Nov 06 j 00:18 | 0°♌       |            |  |
| desc. node          | -7160 Jun 28 j 17:29 | 29°♌20'52 |            |                     | -7158 Nov 30 j 05:37 | 0°♍       |            |  |
|                     | -7160 Jun 29 j 08:41 | 0°♍       |            | desc. node          | -7158 Dec 14 j 15:45 | 17°♍47'01 |            |  |
| evening max el      | -7160 Jul 05 j 17:02 | 6°♍24'58  | 47°14'20   |                     | -7158 Dec 24 j 14:07 | 0°♎       |            |  |
|                     | -7160 Aug 01 j 23:22 | 0°♎       |            | morning set         | -7157 Jan 03 j 19:13 | 12°♎32'35 |            |  |
| greatest brilliancy | -7160 Aug 16 j 05:16 | 7°♎28'53  | -4.9m      |                     | -7157 Jan 18 j 00:35 | 0°♏       |            |  |
| retrograde          | -7160 Aug 25 j 06:30 | 9°♎02'39  |            | max. Earth dist.    | -7157 Feb 10 j 15:18 | 28°♏58'04 | 1.73700 AU |  |
| evening set         | -7160 Sep 11 j 03:11 | 3°♏33'35  |            |                     |                      |           |            |  |
| inferior conj       | -7160 Sep 14 j 22:23 | 1°♏16'00  | -7°25'53   | superior conj       | -7157 Feb 11 j 01:50 | 29°♏30'21 | -1°21'53   |  |
| minimum elong       | -7160 Sep 15 j 08:26 | 1°♏00'36  | 7°23'37    | minimum elong       | -7157 Feb 11 j 02:45 | 29°♏33'12 | 1°22'22    |  |
| min. Earth dist.    | -7160 Sep 14 j 20:17 | 1°♏19'13  | 0.26537 AU |                     | -7157 Feb 11 j 11:29 | 0°♐       |            |  |
|                     | -7160 Sep 17 j 00:13 | 30°♏      |            |                     | -7157 Mar 07 j 22:07 | 0°♑       |            |  |
| morning rise        | -7160 Sep 19 j 13:42 | 28°♏29'43 |            | evening rise        | -7157 Mar 19 j 06:03 | 13°♑54'48 |            |  |
| direct              | -7160 Oct 05 j 02:41 | 23°♏40'48 |            |                     | -7157 Apr 01 j 08:35 | 0°♒       |            |  |
| greatest brilliancy | -7160 Oct 15 j 06:16 | 25°♏38'50 | -4.9m      | asc. node           | -7157 Apr 05 j 20:35 | 5°♒31'24  |            |  |
| asc. node           | -7160 Oct 19 j 04:43 | 27°♏20'24 |            |                     | -7157 Apr 25 j 19:27 | 0°♓       |            |  |
|                     | -7160 Oct 24 j 00:59 | 0°♓       |            |                     | -7157 May 20 j 07:29 | 0°♈       |            |  |
| morning max el      | -7160 Nov 24 j 08:21 | 26°♓31'05 | 46°29'52   |                     | -7157 Jun 13 j 22:00 | 0°♉       |            |  |
|                     | -7160 Nov 27 j 18:45 | 0°♑       |            |                     | -7157 Jul 08 j 17:40 | 0°♊       |            |  |
|                     | -7160 Dec 25 j 14:13 | 0°♒       |            | desc. node          | -7157 Jul 27 j 04:25 | 21°♊59'06 |            |  |
|                     | -7159 Jan 20 j 22:42 | 0°♓       |            |                     | -7157 Aug 02 j 23:55 | 0°♋       |            |  |
| desc. node          | -7159 Feb 08 j 15:01 | 21°♓43'21 |            |                     | -7157 Aug 29 j 04:50 | 0°♌       |            |  |
|                     | -7159 Feb 15 j 16:24 | 0°♈       |            | evening max el      | -7157 Sep 17 j 01:25 | 20°♌11'38 | 47°35'47   |  |
|                     | -7159 Mar 13 j 00:06 | 0°♉       |            |                     | -7157 Sep 27 j 00:22 | 0°♍       |            |  |
|                     | -7159 Apr 06 j 22:55 | 0°♊       |            | greatest brilliancy | -7157 Oct 27 j 14:33 | 22°♍06'38 | -4.9m      |  |
|                     | -7159 May 01 j 13:30 | 0°♋       |            | retrograde          | -7157 Nov 07 j 06:05 | 24°♍17'43 |            |  |
| morning set         | -7159 May 21 j 23:28 | 25°♋10'45 |            | asc. node           | -7157 Nov 16 j 15:21 | 22°♍25'21 |            |  |
|                     | -7159 May 25 j 20:44 | 0°♌       |            | evening set         | -7157 Nov 22 j 00:45 | 19°♍47'49 |            |  |
| asc. node           | -7159 May 31 j 20:46 | 7°♌27'43  |            | min. Earth dist.    | -7157 Nov 27 j 04:26 | 16°♍39'06 | 0.27715 AU |  |
|                     | -7159 Jun 18 j 21:55 | 0°♍       |            | inferior conj       | -7157 Nov 28 j 03:53 | 16°♍01'44 | 2°45'30    |  |
| max. Earth dist.    | -7159 Jun 23 j 20:28 | 6°♍11'33  | 1.71626 AU | minimum elong       | -7157 Nov 27 j 22:21 | 16°♍10'33 | 2°43'50    |  |
|                     |                      |           |            | morning rise        | -7157 Dec 03 j 21:01 | 12°♍32'26 |            |  |
| superior conj       | -7159 Jun 27 j 15:41 | 10°♍57'44 | 0°57'05    | direct              | -7157 Dec 18 j 21:38 | 8°♍01'18  |            |  |
| minimum elong       | -7159 Jun 27 j 06:34 | 10°♍29'07 | 0°57'02    | greatest brilliancy | -7157 Dec 27 j 18:02 | 9°♍30'13  | -4.8m      |  |
|                     | -7159 Jul 12 j 19:02 | 0°♎       |            |                     | -7156 Jan 27 j 19:26 | 0°♏       |            |  |
| evening rise        | -7159 Aug 04 j 21:06 | 29°♎04'59 |            | morning max el      | -7156 Feb 05 j 20:34 | 8°♏20'42  | 45°58'54   |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
|                     | -7156 Feb 27 j 05:43 | 0°♊       |            |                     |  | -7154 Oct 03 j 08:53 | 0°♊       |            |
| desc. node          | -7156 Mar 08 j 02:46 | 10°♊36'50 |            |                     |  | -7154 Oct 29 j 01:10 | 0°♊       |            |
|                     | -7156 Mar 25 j 13:41 | 0°♊       |            |                     |  | -7154 Nov 25 j 17:35 | 0°♊       |            |
|                     | -7156 Apr 20 j 14:18 | 0°♊       |            | evening max el      |  | -7154 Nov 26 j 14:31 | 0°♊52'42  | 46°09'17   |
|                     | -7156 May 15 j 19:22 | 0°♊       |            | asc. node           |  | -7154 Dec 14 j 02:02 | 17°♊03'38 |            |
|                     | -7156 Jun 09 j 10:11 | 0°♊       |            |                     |  | -7153 Jan 02 j 19:43 | 0°♊       |            |
| asc. node           | -7156 Jun 28 j 09:52 | 23°♊31'32 |            | greatest brilliancy |  | -7153 Jan 04 j 07:18 | 0°♊36'42  | -4.8m      |
|                     | -7156 Jul 03 j 14:21 | 0°♊       |            | retrograde          |  | -7153 Jan 15 j 07:28 | 2°♊51'58  |            |
|                     | -7156 Jul 27 j 11:21 | 0°♊       |            |                     |  | -7153 Jan 27 j 05:36 | 30°♊♊     |            |
| greatest brilliancy | -7156 Jul 27 j 10:01 | 29°♊55'47 | -3.9m      | evening set         |  | -7153 Feb 01 j 22:45 | 26°♊52'08 |            |
| morning set         | -7156 Jul 31 j 12:48 | 5°♊07'34  |            | inferior conj       |  | -7153 Feb 05 j 18:30 | 24°♊27'11 | 8°07'01    |
|                     | -7156 Aug 20 j 04:51 | 0°♊       |            | minimum elong       |  | -7153 Feb 05 j 17:24 | 24°♊28'56 | 8°06'32    |
|                     |                      |           |            | min. Earth dist.    |  | -7153 Feb 05 j 18:02 | 24°♊27'56 | 0.29489 AU |
| superior conj       | -7156 Sep 09 j 17:45 | 25°♊58'09 | 1°13'31    | morning rise        |  | -7153 Feb 09 j 12:08 | 22°♊05'15 |            |
| minimum elong       | -7156 Sep 10 j 03:25 | 26°♊28'41 | 1°13'45    | direct              |  | -7153 Feb 27 j 11:52 | 15°♊57'35 |            |
|                     | -7156 Sep 12 j 22:23 | 0°♊       |            | greatest brilliancy |  | -7153 Mar 09 j 02:41 | 17°♊37'18 | -4.7m      |
| max. Earth dist.    | -7156 Sep 13 j 22:07 | 1°♊14'50  | 1.70829 AU |                     |  | -7153 Mar 30 j 09:13 | 0°♊       |            |
|                     | -7156 Oct 06 j 18:34 | 0°♊       |            | desc. node          |  | -7153 Apr 05 j 13:57 | 5°♊01'37  |            |
| desc. node          | -7156 Oct 18 j 15:25 | 14°♊51'29 |            | morning max el      |  | -7153 Apr 17 j 07:53 | 15°♊38'09 | 45°55'53   |
| evening rise        | -7156 Oct 22 j 17:15 | 19°♊57'01 |            |                     |  | -7153 May 01 j 17:13 | 0°♊       |            |
|                     | -7156 Oct 30 j 18:42 | 0°♊       |            |                     |  | -7153 May 29 j 04:19 | 0°♊       |            |
|                     | -7156 Nov 23 j 23:05 | 0°♊       |            |                     |  | -7153 Jun 23 j 21:21 | 0°♊       |            |
|                     | -7156 Dec 18 j 08:08 | 0°♊       |            |                     |  | -7153 Jul 18 j 15:11 | 0°♊       |            |
|                     | -7155 Jan 11 j 23:47 | 0°♊       |            | asc. node           |  | -7153 Jul 26 j 22:34 | 10°♊15'19 |            |
|                     | -7155 Feb 06 j 02:16 | 0°♊       |            |                     |  | -7153 Aug 11 j 18:59 | 0°♊       |            |
| asc. node           | -7155 Feb 07 j 21:57 | 2°♊08'46  |            |                     |  | -7153 Sep 04 j 15:22 | 0°♊       |            |
|                     | -7155 Mar 03 j 22:58 | 0°♊       |            |                     |  | -7153 Sep 28 j 09:53 | 0°♊       |            |
|                     | -7155 Mar 31 j 04:43 | 0°♊       |            | morning set         |  | -7153 Oct 17 j 04:23 | 23°♊37'05 |            |
| evening max el      | -7155 Apr 20 j 14:23 | 20°♊37'11 | 45°34'05   |                     |  | -7153 Oct 22 j 06:27 | 0°♊       |            |
|                     | -7155 Apr 30 j 21:21 | 0°♊       |            |                     |  | -7153 Nov 15 j 06:57 | 0°♊       |            |
| greatest brilliancy | -7155 May 29 j 17:26 | 18°♊44'24 | -4.8m      | desc. node          |  | -7153 Nov 16 j 04:35 | 1°♊07'21  |            |
| desc. node          | -7155 May 31 j 09:05 | 19°♊15'30 |            |                     |  |                      |           |            |
| retrograde          | -7155 Jun 08 j 14:12 | 20°♊28'46 |            | superior conj       |  | -7153 Nov 28 j 10:42 | 16°♊20'50 | -0°27'31   |
| evening set         | -7155 Jun 24 j 02:18 | 15°♊58'59 |            | minimum elong       |  | -7153 Nov 28 j 03:54 | 15°♊59'44 | 0°27'17    |
| inferior conj       | -7155 Jun 29 j 12:38 | 12°♊50'16 | -6°21'48   | max. Earth dist.    |  | -7153 Dec 03 j 03:50 | 22°♊11'23 | 1.72396 AU |
| minimum elong       | -7155 Jun 29 j 02:05 | 13°♊06'06 | 6°19'16    |                     |  | -7153 Dec 09 j 11:15 | 0°♊       |            |
| min. Earth dist.    | -7155 Jun 29 j 15:50 | 12°♊45'27 | 0.27143 AU |                     |  | -7152 Jan 02 j 18:31 | 0°♊       |            |
| morning rise        | -7155 Jul 04 j 01:28 | 10°♊10'24 |            | evening rise        |  | -7152 Jan 07 j 12:00 | 5°♊49'17  |            |
| direct              | -7155 Jul 20 j 10:42 | 5°♊06'14  |            |                     |  | -7152 Jan 27 j 04:23 | 0°♊       |            |
| greatest brilliancy | -7155 Jul 31 j 08:39 | 7°♊18'20  | -4.9m      |                     |  | -7152 Feb 20 j 17:40 | 0°♊       |            |
|                     | -7155 Aug 31 j 17:35 | 0°♊       |            | asc. node           |  | -7152 Mar 07 j 10:07 | 19°♊02'05 |            |
| morning max el      | -7155 Sep 09 j 01:32 | 8°♊14'21  | 46°48'06   |                     |  | -7152 Mar 16 j 12:04 | 0°♊       |            |
| asc. node           | -7155 Sep 20 j 20:10 | 20°♊42'07 |            |                     |  | -7152 Apr 10 j 13:48 | 0°♊       |            |
|                     | -7155 Sep 29 j 05:26 | 0°♊       |            |                     |  | -7152 May 06 j 02:03 | 0°♊       |            |
|                     | -7155 Oct 25 j 01:42 | 0°♊       |            |                     |  | -7152 Jun 01 j 08:11 | 0°♊       |            |
|                     | -7155 Nov 19 j 02:41 | 0°♊       |            | desc. node          |  | -7152 Jun 27 j 19:36 | 28°♊30'34 |            |
|                     | -7155 Dec 13 j 22:40 | 0°♊       |            |                     |  | -7152 Jun 29 j 06:44 | 0°♊       |            |
|                     | -7154 Jan 07 j 18:07 | 0°♊       |            | evening max el      |  | -7152 Jul 03 j 05:37 | 3°♊57'50  | 47°11'34   |
| desc. node          | -7154 Jan 11 j 04:41 | 4°♊09'40  |            |                     |  | -7152 Aug 03 j 08:16 | 0°♊       |            |
|                     | -7154 Feb 01 j 13:00 | 0°♊       |            | greatest brilliancy |  | -7152 Aug 13 j 17:46 | 4°♊58'34  | -4.9m      |
|                     | -7154 Feb 26 j 05:46 | 0°♊       |            | retrograde          |  | -7152 Aug 22 j 19:03 | 6°♊32'28  |            |
| morning set         | -7154 Mar 14 j 06:41 | 19°♊34'19 |            | evening set         |  | -7152 Sep 08 j 18:44 | 0°♊58'40  |            |
|                     | -7154 Mar 22 j 19:11 | 0°♊       |            |                     |  | -7152 Sep 10 j 10:12 | 30°♊♊     |            |
| max. Earth dist.    | -7154 Apr 15 j 00:10 | 28°♊31'26 | 1.73349 AU | inferior conj       |  | -7152 Sep 12 j 10:40 | 28°♊46'17 | -7°39'12   |
|                     | -7154 Apr 16 j 04:54 | 0°♊       |            | minimum elong       |  | -7152 Sep 12 j 20:23 | 28°♊31'26 | 7°37'06    |
|                     |                      |           |            | min. Earth dist.    |  | -7152 Sep 12 j 08:48 | 28°♊49'08 | 0.26536 AU |
| superior conj       | -7154 Apr 18 j 18:23 | 3°♊09'33  | -0°33'06   | morning rise        |  | -7152 Sep 16 j 22:03 | 26°♊06'06 |            |
| minimum elong       | -7154 Apr 19 j 00:16 | 3°♊27'40  | 0°33'07    | direct              |  | -7152 Oct 02 j 15:04 | 21°♊11'13 |            |
| asc. node           | -7154 May 03 j 09:43 | 21°♊14'58 |            | greatest brilliancy |  | -7152 Oct 12 j 19:23 | 23°♊10'20 | -4.9m      |
|                     | -7154 May 10 j 11:14 | 0°♊       |            | asc. node           |  | -7152 Oct 18 j 06:57 | 25°♊39'23 |            |
| evening rise        | -7154 May 24 j 07:24 | 17°♊10'36 |            |                     |  | -7152 Oct 25 j 09:18 | 0°♊       |            |
|                     | -7154 Jun 03 j 14:53 | 0°♊       |            | morning max el      |  | -7152 Nov 21 j 22:38 | 24°♊08'20 | 46°31'04   |
|                     | -7154 Jun 27 j 17:05 | 0°♊       |            |                     |  | -7152 Nov 27 j 16:15 | 0°♊       |            |
|                     | -7154 Jul 21 j 19:40 | 0°♊       |            |                     |  | -7152 Dec 25 j 06:11 | 0°♊       |            |
|                     | -7154 Aug 15 j 01:01 | 0°♊       |            |                     |  | -7151 Jan 20 j 12:23 | 0°♊       |            |
| desc. node          | -7154 Aug 23 j 16:09 | 10°♊37'33 |            | desc. node          |  | -7151 Feb 07 j 17:07 | 21°♊12'09 |            |
|                     | -7154 Sep 08 j 12:00 | 0°♊       |            |                     |  | -7151 Feb 15 j 04:53 | 0°♊       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |                      |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|----------------------|------------|--|
|                     | -7151 Mar 12 j 11:51 | 0°☾       |            |                     |                      | -7149 Sep 27 j 03:55 | 0°♊        |  |
|                     | -7151 Apr 06 j 10:14 | 0°♋       |            | greatest brilliancy | -7149 Oct 25 j 07:28 | 19°♊48'08            | -4.9m      |  |
|                     | -7151 May 01 j 00:34 | 0°♌       |            | retrograde          | -7149 Nov 04 j 21:47 | 21°♊57'39            |            |  |
| morning set         | -7151 May 19 j 17:39 | 23°♌04'25 |            | asc. node           | -7149 Nov 15 j 17:33 | 19°♊29'25            |            |  |
|                     | -7151 May 25 j 07:42 | 0°♍       |            | evening set         | -7149 Nov 19 j 15:26 | 17°♊29'41            |            |  |
| asc. node           | -7151 May 30 j 22:49 | 6°♍59'59  |            | min. Earth dist.    | -7149 Nov 24 j 19:47 | 14°♊19'51            | 0.27636 AU |  |
|                     | -7151 Jun 18 j 08:55 | 0°♎       |            | inferior conj       | -7149 Nov 25 j 19:00 | 13°♊42'51            | 2°25'30    |  |
| max. Earth dist.    | -7151 Jun 21 j 10:30 | 3°♎50'32  | 1.71687 AU | minimum elong       | -7149 Nov 25 j 14:04 | 13°♊50'43            | 2°24'00    |  |
|                     |                      |           |            | morning rise        | -7149 Dec 01 j 13:50 | 10°♊11'17            |            |  |
| superior conj       | -7151 Jun 25 j 07:38 | 8°♎42'32  | 0°54'36    | direct              | -7149 Dec 16 j 12:20 | 5°♊44'03             |            |  |
| minimum elong       | -7151 Jun 24 j 22:40 | 8°♎14'26  | 0°54'32    | greatest brilliancy | -7149 Dec 25 j 08:35 | 7°♊12'57             | -4.8m      |  |
|                     | -7151 Jul 12 j 06:07 | 0°♏       |            |                     | -7148 Jan 27 j 22:08 | 0°♏                  |            |  |
| evening rise        | -7151 Aug 02 j 09:17 | 26°♏36'46 |            | morning max el      | -7148 Feb 03 j 11:02 | 6°♏06'15             | 45°59'38   |  |
|                     | -7151 Aug 05 j 01:50 | 0°♐       |            |                     | -7148 Feb 26 j 22:31 | 0°♐                  |            |  |
|                     | -7151 Aug 28 j 22:36 | 0°♑       |            | desc. node          | -7148 Mar 07 j 05:04 | 10°♐01'08            |            |  |
| desc. node          | -7151 Sep 20 j 04:38 | 27°♑49'31 |            |                     | -7148 Mar 25 j 03:25 | 0°♑                  |            |  |
|                     | -7151 Sep 21 j 22:32 | 0°♒       |            |                     | -7148 Apr 20 j 02:39 | 0°♑                  |            |  |
|                     | -7151 Oct 16 j 03:06 | 0°♓       |            |                     | -7148 May 15 j 07:00 | 0°♒                  |            |  |
|                     | -7151 Nov 09 j 14:11 | 0°♑       |            |                     | -7148 Jun 08 j 21:27 | 0°♓                  |            |  |
|                     | -7151 Dec 04 j 11:59 | 0°♒       |            | asc. node           | -7148 Jun 27 j 11:57 | 23°♓03'18            |            |  |
|                     | -7151 Dec 30 j 06:25 | 0°♑       |            |                     | -7148 Jul 03 j 01:27 | 0°♓                  |            |  |
| asc. node           | -7150 Jan 10 j 12:42 | 12°♑34'28 |            | greatest brilliancy | -7148 Jul 26 j 07:29 | 29°♓12'57            | -3.9m      |  |
|                     | -7150 Jan 26 j 22:43 | 0°♒       |            |                     | -7148 Jul 26 j 22:23 | 0°♑                  |            |  |
| evening max el      | -7150 Feb 05 j 11:38 | 9°♒26'12  | 45°01'54   | morning set         | -7148 Jul 29 j 01:39 | 2°♑41'47             |            |  |
|                     | -7150 Mar 02 j 09:39 | 0°♒       |            |                     | -7148 Aug 19 j 15:54 | 0°♑                  |            |  |
| greatest brilliancy | -7150 Mar 14 j 23:45 | 6°♒28'38  | -4.7m      |                     |                      |                      |            |  |
| retrograde          | -7150 Mar 25 j 12:31 | 8°♒26'16  |            | superior conj       | -7148 Sep 07 j 03:24 | 23°♑22'09            | 1°15'17    |  |
| evening set         | -7150 Apr 10 j 04:00 | 3°♒48'35  |            | minimum elong       | -7148 Sep 07 j 12:24 | 23°♑50'34            | 1°15'34    |  |
| inferior conj       | -7150 Apr 15 j 20:38 | 0°♒25'49  | 3°47'24    | max. Earth dist.    | -7148 Sep 10 j 22:12 | 28°♑08'44            | 1.70808 AU |  |
| minimum elong       | -7150 Apr 16 j 04:01 | 0°♒14'27  | 3°45'16    |                     | -7148 Sep 12 j 09:28 | 0°♑                  |            |  |
|                     | -7150 Apr 16 j 13:23 | 30°♒      |            |                     | -7148 Oct 06 j 05:42 | 0°♒                  |            |  |
| min. Earth dist.    | -7150 Apr 16 j 21:34 | 29°♒47'25 | 0.28786 AU | desc. node          | -7148 Oct 17 j 17:30 | 14°♒23'06            |            |  |
| morning rise        | -7150 Apr 22 j 03:20 | 26°♒42'08 |            | evening rise        | -7148 Oct 20 j 01:12 | 17°♒17'06            |            |  |
| desc. node          | -7150 May 03 j 00:36 | 22°♒32'45 |            |                     | -7148 Oct 30 j 05:53 | 0°♓                  |            |  |
| direct              | -7150 May 07 j 16:47 | 22°♒06'58 |            |                     | -7148 Nov 23 j 10:19 | 0°♑                  |            |  |
| greatest brilliancy | -7150 May 19 j 00:20 | 24°♒24'49 | -4.8m      |                     | -7148 Dec 17 j 19:30 | 0°♒                  |            |  |
|                     | -7150 May 29 j 17:24 | 0°♒       |            |                     | -7147 Jan 11 j 11:28 | 0°♑                  |            |  |
| morning max el      | -7150 Jun 26 j 11:54 | 23°♒20'07 | 46°23'56   |                     | -7147 Feb 05 j 14:40 | 0°♑                  |            |  |
|                     | -7150 Jul 03 j 02:36 | 0°♓       |            | asc. node           | -7147 Feb 07 j 00:16 | 1°♑38'52             |            |  |
|                     | -7150 Jul 30 j 10:36 | 0°♓       |            |                     | -7147 Mar 03 j 12:57 | 0°♒                  |            |  |
| asc. node           | -7150 Aug 23 j 10:52 | 28°♓22'44 |            |                     | -7147 Mar 30 j 22:21 | 0°♓                  |            |  |
|                     | -7150 Aug 24 j 19:03 | 0°♑       |            | evening max el      | -7147 Apr 18 j 03:23 | 18°♓17'51            | 45°31'15   |  |
|                     | -7150 Sep 18 j 06:30 | 0°♑       |            |                     | -7147 May 01 j 04:03 | 0°♓                  |            |  |
|                     | -7150 Oct 12 j 09:40 | 0°♑       |            | greatest brilliancy | -7147 May 27 j 05:43 | 16°♓22'24            | -4.8m      |  |
|                     | -7150 Nov 05 j 11:56 | 0°♒       |            | desc. node          | -7147 May 30 j 11:12 | 17°♓18'29            |            |  |
|                     | -7150 Nov 29 j 16:55 | 0°♓       |            | retrograde          | -7147 Jun 06 j 02:13 | 18°♓06'51            |            |  |
| desc. node          | -7150 Dec 13 j 17:47 | 17°♓18'53 |            | evening set         | -7147 Jun 21 j 11:50 | 13°♓41'08            |            |  |
|                     | -7150 Dec 24 j 01:10 | 0°♑       |            | inferior conj       | -7147 Jun 27 j 01:33 | 10°♓28'10            | -6°05'06   |  |
| morning set         | -7149 Jan 01 j 09:16 | 10°♑14'41 |            | minimum elong       | -7147 Jun 26 j 15:03 | 10°♓43'55            | 6°02'29    |  |
|                     | -7149 Jan 17 j 11:27 | 0°♒       |            | min. Earth dist.    | -7147 Jun 27 j 05:52 | 10°♓21'42            | 0.27184 AU |  |
|                     |                      |           |            | morning rise        | -7147 Jul 01 j 17:47 | 7°♓43'26             |            |  |
| superior conj       | -7149 Feb 08 j 19:30 | 27°♒24'15 | -1°22'01   | direct              | -7147 Jul 17 j 23:42 | 2°♓42'58             |            |  |
| minimum elong       | -7149 Feb 08 j 19:45 | 27°♒25'02 | 1°22'29    | greatest brilliancy | -7147 Jul 28 j 23:58 | 4°♓56'35             | -4.9m      |  |
| max. Earth dist.    | -7149 Feb 08 j 14:36 | 27°♒09'13 | 1.73683 AU |                     | -7147 Aug 31 j 19:29 | 0°♑                  |            |  |
|                     | -7149 Feb 10 j 22:15 | 0°♑       |            | morning max el      | -7147 Sep 06 j 13:52 | 5°♑45'26             | 46°47'59   |  |
|                     | -7149 Mar 07 j 08:53 | 0°♑       |            | asc. node           | -7147 Sep 19 j 22:24 | 19°♑56'32            |            |  |
| evening rise        | -7149 Mar 17 j 01:23 | 11°♑53'37 |            |                     | -7147 Sep 28 j 22:41 | 0°♑                  |            |  |
|                     | -7149 Mar 31 j 19:28 | 0°♒       |            |                     | -7147 Oct 24 j 16:08 | 0°♑                  |            |  |
| asc. node           | -7149 Apr 04 j 22:47 | 5°♒04'36  |            |                     | -7147 Nov 18 j 15:44 | 0°♒                  |            |  |
|                     | -7149 Apr 25 j 06:37 | 0°♓       |            |                     | -7147 Dec 13 j 10:53 | 0°♓                  |            |  |
|                     | -7149 May 19 j 19:05 | 0°♓       |            |                     | -7146 Jan 07 j 05:46 | 0°♑                  |            |  |
|                     | -7149 Jun 13 j 10:16 | 0°♑       |            | desc. node          | -7146 Jan 10 j 06:45 | 3°♑40'54             |            |  |
|                     | -7149 Jul 08 j 06:54 | 0°♑       |            |                     | -7146 Feb 01 j 00:13 | 0°♒                  |            |  |
| desc. node          | -7149 Jul 26 j 06:33 | 21°♑23'27 |            |                     | -7146 Feb 25 j 16:39 | 0°♑                  |            |  |
|                     | -7149 Aug 02 j 14:40 | 0°♑       |            | morning set         | -7146 Mar 12 j 01:35 | 17°♑32'28            |            |  |
|                     | -7149 Aug 28 j 22:40 | 0°♒       |            |                     | -7146 Mar 22 j 05:53 | 0°♑                  |            |  |
| evening max el      | -7149 Sep 14 j 17:43 | 17°♒53'51 | 47°37'17   | max. Earth dist.    | -7146 Apr 12 j 22:16 | 26°♑38'47            | 1.73390 AU |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |  |                     |                      |           |            |
|---------------------|----------------------|----------------------|--|---------------------|----------------------|-----------|------------|
|                     | -7146 Apr 15 j 15:34 | 0°♄                  |  | minimum elong       | -7144 Sep 10 j 08:01 | 26°♄01'38 | 7°49'42    |
|                     |                      |                      |  | min. Earth dist.    | -7144 Sep 09 j 20:48 | 26°♄18'43 | 0.26542 AU |
| superior conj       | -7146 Apr 16 j 14:00 | 1°♄09'10 -0°35'47    |  | morning rise        | -7144 Sep 14 j 06:05 | 23°♄41'50 |            |
| minimum elong       | -7146 Apr 16 j 20:15 | 1°♄28'27 0°35'47     |  | direct              | -7144 Sep 30 j 03:51 | 18°♄40'58 |            |
| asc. node           | -7146 May 02 j 11:47 | 20°♄48'14            |  | greatest brilliancy | -7144 Oct 10 j 07:54 | 20°♄40'24 | -4.9m      |
|                     | -7146 May 09 j 21:59 | 0°♄                  |  | asc. node           | -7144 Oct 17 j 09:04 | 24°♄01'24 |            |
| evening rise        | -7146 May 22 j 02:28 | 15°♄07'06            |  |                     | -7144 Oct 26 j 08:50 | 0°♄       |            |
|                     | -7146 Jun 03 j 01:51 | 0°♄                  |  | morning max el      | -7144 Nov 19 j 13:02 | 21°♄45'25 | 46°32'11   |
|                     | -7146 Jun 27 j 04:20 | 0°♄                  |  |                     | -7144 Nov 27 j 13:09 | 0°♄       |            |
|                     | -7146 Jul 21 j 07:16 | 0°♄                  |  |                     | -7144 Dec 24 j 21:59 | 0°♄       |            |
|                     | -7146 Aug 14 j 13:04 | 0°♄                  |  |                     | -7143 Jan 20 j 01:59 | 0°♄       |            |
| desc. node          | -7146 Aug 22 j 18:25 | 10°♄06'57            |  | desc. node          | -7143 Feb 06 j 19:22 | 20°♄41'28 |            |
|                     | -7146 Sep 08 j 00:40 | 0°♄                  |  |                     | -7143 Feb 14 j 17:17 | 0°♄       |            |
|                     | -7146 Oct 02 j 22:33 | 0°♄                  |  |                     | -7143 Mar 11 j 23:33 | 0°♄       |            |
|                     | -7146 Oct 28 j 16:49 | 0°♄                  |  |                     | -7143 Apr 05 j 21:30 | 0°♄       |            |
| evening max el      | -7146 Nov 24 j 05:24 | 28°♄36'09 46°12'45   |  |                     | -7143 Apr 30 j 11:36 | 0°♄       |            |
|                     | -7146 Nov 25 j 14:55 | 0°♄                  |  | morning set         | -7143 May 17 j 12:14 | 20°♄59'32 |            |
| asc. node           | -7146 Dec 13 j 04:09 | 16°♄01'49            |  |                     | -7143 May 24 j 18:37 | 0°♄       |            |
| greatest brilliancy | -7145 Jan 02 j 00:18 | 28°♄28'34 -4.8m      |  | asc. node           | -7143 May 30 j 00:57 | 6°♄32'38  |            |
|                     | -7145 Jan 06 j 19:56 | 0°♄                  |  |                     | -7143 Jun 17 j 19:50 | 0°♄       |            |
| retrograde          | -7145 Jan 13 j 01:09 | 0°♄45'03             |  | max. Earth dist.    | -7143 Jun 18 j 23:39 | 1°♄27'03  | 1.71746 AU |
|                     | -7145 Jan 19 j 02:20 | 30°♄                 |  |                     |                      |           |            |
| evening set         | -7145 Jan 30 j 15:08 | 24°♄46'04            |  | superior conj       | -7143 Jun 23 j 00:09 | 6°♄29'28  | 0°52'04    |
| inferior conj       | -7145 Feb 03 j 11:50 | 22°♄19'46 8°06'00    |  | minimum elong       | -7143 Jun 22 j 15:24 | 6°♄02'01  | 0°51'58    |
| minimum elong       | -7145 Feb 03 j 10:06 | 22°♄22'33 8°05'29    |  |                     | -7143 Jul 11 j 17:09 | 0°♄       |            |
| min. Earth dist.    | -7145 Feb 03 j 10:03 | 22°♄22'39 0.29464 AU |  | evening rise        | -7143 Jul 30 j 22:02 | 24°♄10'37 |            |
| morning rise        | -7145 Feb 07 j 05:09 | 19°♄58'27            |  |                     | -7143 Aug 04 j 13:02 | 0°♄       |            |
| direct              | -7145 Feb 25 j 04:11 | 13°♄50'26            |  |                     | -7143 Aug 28 j 10:01 | 0°♄       |            |
| greatest brilliancy | -7145 Mar 06 j 18:17 | 15°♄29'39 -4.7m      |  | desc. node          | -7143 Sep 19 j 06:41 | 27°♄19'45 |            |
|                     | -7145 Mar 30 j 18:08 | 0°♄                  |  |                     | -7143 Sep 21 j 10:09 | 0°♄       |            |
| desc. node          | -7145 Apr 04 j 16:01 | 4°♄06'07             |  |                     | -7143 Oct 15 j 15:00 | 0°♄       |            |
| morning max el      | -7145 Apr 15 j 00:26 | 13°♄30'34 45°55'33   |  |                     | -7143 Nov 09 j 02:30 | 0°♄       |            |
|                     | -7145 May 01 j 10:55 | 0°♄                  |  |                     | -7143 Dec 04 j 01:05 | 0°♄       |            |
|                     | -7145 May 28 j 18:26 | 0°♄                  |  |                     | -7143 Dec 29 j 21:16 | 0°♄       |            |
|                     | -7145 Jun 23 j 10:00 | 0°♄                  |  | asc. node           | -7142 Jan 09 j 15:02 | 11°♄56'42 |            |
|                     | -7145 Jul 18 j 03:08 | 0°♄                  |  |                     | -7142 Jan 26 j 18:17 | 0°♄       |            |
| asc. node           | -7145 Jul 26 j 00:48 | 9°♄45'40             |  | evening max el      | -7142 Feb 03 j 03:39 | 7°♄16'06  | 45°02'43   |
|                     | -7145 Aug 11 j 06:35 | 0°♄                  |  |                     | -7142 Mar 03 j 13:08 | 0°♄       |            |
|                     | -7145 Sep 04 j 02:47 | 0°♄                  |  | greatest brilliancy | -7142 Mar 12 j 15:32 | 4°♄19'46  | -4.7m      |
|                     | -7145 Sep 27 j 21:11 | 0°♄                  |  | retrograde          | -7142 Mar 23 j 04:01 | 6°♄16'59  |            |
| morning set         | -7145 Oct 14 j 13:54 | 21°♄01'00            |  | evening set         | -7142 Apr 07 j 22:08 | 1°♄36'06  |            |
|                     | -7145 Oct 21 j 17:40 | 0°♄                  |  |                     | -7142 Apr 10 j 16:28 | 30°♄      |            |
|                     | -7145 Nov 14 j 18:04 | 0°♄                  |  | inferior conj       | -7142 Apr 13 j 12:35 | 28°♄15'44 | 4°04'21    |
| desc. node          | -7145 Nov 15 j 06:37 | 0°♄39'04             |  | minimum elong       | -7142 Apr 13 j 20:19 | 28°♄03'46 | 4°02'09    |
|                     |                      |                      |  | min. Earth dist.    | -7142 Apr 14 j 13:29 | 27°♄37'14 | 0.28839 AU |
| superior conj       | -7145 Nov 25 j 21:09 | 13°♄50'02 -0°23'55   |  | morning rise        | -7142 Apr 19 j 17:51 | 24°♄33'21 |            |
| minimum elong       | -7145 Nov 25 j 15:06 | 13°♄31'16 0°23'43    |  | desc. node          | -7142 May 02 j 02:45 | 20°♄08'38 |            |
| max. Earth dist.    | -7145 Nov 30 j 16:02 | 19°♄46'15 1.72334 AU |  | direct              | -7142 May 05 j 09:23 | 19°♄56'04 |            |
|                     | -7145 Dec 08 j 22:17 | 0°♄                  |  | greatest brilliancy | -7142 May 16 j 15:20 | 22°♄12'06 | -4.8m      |
|                     | -7144 Jan 02 j 05:30 | 0°♄                  |  |                     | -7142 May 30 j 16:06 | 0°♄       |            |
| evening rise        | -7144 Jan 05 j 02:44 | 3°♄33'06             |  | morning max el      | -7142 Jun 24 j 03:06 | 21°♄04'29 | 46°22'49   |
|                     | -7144 Jan 26 j 15:26 | 0°♄                  |  |                     | -7142 Jul 02 j 22:25 | 0°♄       |            |
|                     | -7144 Feb 20 j 04:55 | 0°♄                  |  |                     | -7142 Jul 30 j 01:49 | 0°♄       |            |
| asc. node           | -7144 Mar 06 j 12:20 | 18°♄34'06            |  | asc. node           | -7142 Aug 22 j 13:05 | 27°♄48'39 |            |
|                     | -7144 Mar 15 j 23:45 | 0°♄                  |  |                     | -7142 Aug 24 j 08:29 | 0°♄       |            |
|                     | -7144 Apr 10 j 02:14 | 0°♄                  |  |                     | -7142 Sep 17 j 19:05 | 0°♄       |            |
|                     | -7144 May 05 j 15:49 | 0°♄                  |  |                     | -7142 Oct 11 j 21:45 | 0°♄       |            |
|                     | -7144 Jun 01 j 00:30 | 0°♄                  |  |                     | -7142 Nov 04 j 23:41 | 0°♄       |            |
| desc. node          | -7144 Jun 26 j 21:45 | 27°♄40'07            |  | desc. node          | -7142 Nov 29 j 04:26 | 0°♄       |            |
|                     | -7144 Jun 29 j 05:24 | 0°♄                  |  |                     | -7142 Dec 12 j 19:54 | 16°♄50'17 |            |
| evening max el      | -7144 Jun 30 j 18:57 | 1°♄33'18 47°08'31    |  |                     | -7142 Dec 23 j 12:28 | 0°♄       |            |
|                     | -7144 Aug 05 j 08:37 | 0°♄                  |  | morning set         | -7142 Dec 29 j 22:36 | 7°♄53'42  |            |
| greatest brilliancy | -7144 Aug 11 j 05:24 | 2°♄27'21 -4.9m       |  |                     | -7141 Jan 16 j 22:35 | 0°♄       |            |
| retrograde          | -7144 Aug 20 j 07:38 | 4°♄01'43             |  |                     |                      |           |            |
|                     | -7144 Sep 03 j 12:54 | 30°♄                 |  | superior conj       | -7141 Feb 06 j 12:31 | 25°♄15'21 | -1°22'00   |
| evening set         | -7144 Sep 06 j 10:00 | 28°♄23'16            |  | minimum elong       | -7141 Feb 06 j 12:04 | 25°♄14'00 | 1°22'29    |
| inferior conj       | -7144 Sep 09 j 22:41 | 26°♄15'51 -7°51'39   |  | max. Earth dist.    | -7141 Feb 06 j 12:28 | 25°♄15'13 | 1.73660 AU |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7141 Feb 10 j 09:17 | 0°☾       |            | morning max el      | -7139 Sep 04 j 03:18 | 3°☿18'23  | 46°48'00   |
|                     | -7141 Mar 06 j 19:54 | 0°♊       |            | asc. node           | -7139 Sep 19 j 00:26 | 19°♊10'01 |            |
| evening rise        | -7141 Mar 14 j 20:13 | 9°♊50'11  |            |                     | -7139 Sep 28 j 15:57 | 0°♊       |            |
|                     | -7141 Mar 31 j 06:37 | 0°♋       |            |                     | -7139 Oct 24 j 06:42 | 0°♋       |            |
| asc. node           | -7141 Apr 04 j 00:50 | 4°♋36'35  |            |                     | -7139 Nov 18 j 04:58 | 0°♋       |            |
|                     | -7141 Apr 24 j 18:03 | 0°♌       |            |                     | -7139 Dec 12 j 23:19 | 0°♌       |            |
|                     | -7141 May 19 j 07:00 | 0°♍       |            |                     | -7138 Jan 06 j 17:38 | 0°♌       |            |
|                     | -7141 Jun 12 j 22:49 | 0°♎       |            | desc. node          | -7138 Jan 09 j 08:59 | 3°♎11'50  |            |
|                     | -7141 Jul 07 j 20:24 | 0°♏       |            |                     | -7138 Jan 31 j 11:42 | 0°♏       |            |
| desc. node          | -7141 Jul 25 j 08:51 | 20°♏47'36 |            |                     | -7138 Feb 25 j 03:52 | 0°☾       |            |
|                     | -7141 Aug 02 j 05:44 | 0°♐       |            | morning set         | -7138 Mar 09 j 20:08 | 15°☾28'24 |            |
|                     | -7141 Aug 28 j 17:00 | 0°♑       |            |                     | -7138 Mar 21 j 16:57 | 0°♊       |            |
| evening max el      | -7141 Sep 12 j 08:51 | 15°♑32'43 | 47°38'33   | max. Earth dist.    | -7138 Apr 10 j 20:46 | 24°♊46'14 | 1.73430 AU |
|                     | -7141 Sep 27 j 09:25 | 0°♒       |            |                     |                      |           |            |
| greatest brilliancy | -7141 Oct 23 j 00:39 | 17°♒29'05 | -4.9m      | superior conj       | -7138 Apr 14 j 09:16 | 29°♊06'32 | -0°38'27   |
| retrograde          | -7141 Nov 02 j 12:53 | 19°♒36'28 |            | minimum elong       | -7138 Apr 14 j 15:52 | 29°♊26'52 | 0°38'27    |
| asc. node           | -7141 Nov 14 j 19:44 | 16°♒27'40 |            |                     | -7138 Apr 15 j 02:37 | 0°♋       |            |
| evening set         | -7141 Nov 17 j 06:09 | 15°♒10'06 |            | asc. node           | -7138 May 01 j 13:54 | 20°♋20'26 |            |
| min. Earth dist.    | -7141 Nov 22 j 11:26 | 11°♒58'55 | 0.27564 AU |                     | -7138 May 09 j 09:07 | 0°♌       |            |
| inferior conj       | -7141 Nov 23 j 10:02 | 11°♒22'52 | 2°05'01    | evening rise        | -7138 May 19 j 21:17 | 13°♌01'47 |            |
| minimum elong       | -7141 Nov 23 j 05:44 | 11°♒29'42 | 2°03'43    |                     | -7138 Jun 02 j 13:10 | 0°♍       |            |
| morning rise        | -7141 Nov 29 j 06:25 | 7°♒49'01  |            |                     | -7138 Jun 26 j 15:56 | 0°♎       |            |
| direct              | -7141 Dec 14 j 02:24 | 3°♒25'27  |            |                     | -7138 Jul 20 j 19:14 | 0°♏       |            |
| greatest brilliancy | -7141 Dec 22 j 23:44 | 4°♒54'54  | -4.8m      |                     | -7138 Aug 14 j 01:31 | 0°♐       |            |
|                     | -7140 Jan 27 j 23:56 | 0°♑       |            | desc. node          | -7138 Aug 21 j 20:28 | 9°♐34'30  |            |
| morning max el      | -7140 Feb 01 j 00:53 | 3°♑48'49  | 46°00'19   |                     | -7138 Sep 07 j 13:45 | 0°♑       |            |
|                     | -7140 Feb 26 j 15:26 | 0°♒       |            |                     | -7138 Oct 02 j 12:38 | 0°♒       |            |
| desc. node          | -7140 Mar 06 j 07:07 | 9°♒23'50  |            |                     | -7138 Oct 28 j 08:59 | 0°♑       |            |
|                     | -7140 Mar 24 j 17:26 | 0°☾       |            | evening max el      | -7138 Nov 21 j 21:17 | 26°♑21'31 | 46°16'21   |
|                     | -7140 Apr 19 j 15:18 | 0°♊       |            |                     | -7138 Nov 25 j 13:17 | 0°♒       |            |
|                     | -7140 May 14 j 18:55 | 0°♋       |            | asc. node           | -7138 Dec 12 j 06:27 | 14°♒58'20 |            |
|                     | -7140 Jun 08 j 08:59 | 0°♌       |            | greatest brilliancy | -7138 Dec 30 j 16:53 | 26°♒19'32 | -4.8m      |
| asc. node           | -7140 Jun 26 j 14:07 | 22°♌34'30 |            | retrograde          | -7137 Jan 10 j 19:17 | 28°♒37'41 |            |
|                     | -7140 Jul 02 j 12:50 | 0°♍       |            | evening set         | -7137 Jan 28 j 07:24 | 22°♒39'50 |            |
| greatest brilliancy | -7140 Jul 25 j 04:52 | 28°♍28'57 | -3.9m      | inferior conj       | -7137 Feb 01 j 05:16 | 20°♒11'46 | 8°04'12    |
|                     | -7140 Jul 26 j 09:43 | 0°♎       |            | minimum elong       | -7137 Feb 01 j 02:54 | 20°♒15'34 | 8°03'39    |
| morning set         | -7140 Jul 26 j 14:43 | 0°♎15'45  |            | min. Earth dist.    | -7137 Feb 01 j 01:47 | 20°♒17'21 | 0.29439 AU |
|                     | -7140 Aug 19 j 03:13 | 0°♏       |            | morning rise        | -7137 Feb 04 j 22:32 | 17°♒50'42 |            |
|                     |                      |           |            | direct              | -7137 Feb 22 j 21:05 | 11°♒42'48 |            |
| superior conj       | -7140 Sep 04 j 13:31 | 20°♏46'46 | 1°16'54    | greatest brilliancy | -7137 Mar 04 j 09:27 | 13°♒20'59 | -4.7m      |
| minimum elong       | -7140 Sep 04 j 21:46 | 21°♏12'48 | 1°17'12    |                     | -7137 Mar 31 j 00:59 | 0°☾       |            |
| max. Earth dist.    | -7140 Sep 07 j 20:55 | 24°♏57'28 | 1.70786 AU | desc. node          | -7137 Apr 03 j 18:11 | 3°☾11'02  |            |
|                     | -7140 Sep 11 j 20:47 | 0°♐       |            | morning max el      | -7137 Apr 12 j 17:52 | 11°☾24'17 | 45°55'00   |
|                     | -7140 Oct 05 j 17:03 | 0°♑       |            |                     | -7137 May 01 j 04:38 | 0°♊       |            |
| desc. node          | -7140 Oct 16 j 19:33 | 13°♑53'59 |            |                     | -7137 May 28 j 08:49 | 0°♋       |            |
| evening rise        | -7140 Oct 17 j 09:26 | 14°♑37'22 |            |                     | -7137 Jun 22 j 22:58 | 0°♌       |            |
|                     | -7140 Oct 29 j 17:17 | 0°♒       |            |                     | -7137 Jul 17 j 15:23 | 0°♍       |            |
|                     | -7140 Nov 22 j 21:48 | 0°♑       |            | asc. node           | -7137 Jul 25 j 02:59 | 9°♑14'56  |            |
|                     | -7140 Dec 17 j 07:10 | 0°♒       |            |                     | -7137 Aug 10 j 18:26 | 0°♎       |            |
|                     | -7139 Jan 10 j 23:32 | 0°☾       |            |                     | -7137 Sep 03 j 14:26 | 0°♏       |            |
|                     | -7139 Feb 05 j 03:33 | 0°♊       |            |                     | -7137 Sep 27 j 08:44 | 0°♐       |            |
| asc. node           | -7139 Feb 06 j 02:25 | 1°♊07'11  |            | morning set         | -7137 Oct 11 j 23:31 | 18°♐24'15 |            |
|                     | -7139 Mar 03 j 03:32 | 0°♋       |            |                     | -7137 Oct 21 j 05:09 | 0°♑       |            |
|                     | -7139 Mar 30 j 16:56 | 0°♌       |            | desc. node          | -7137 Nov 14 j 08:45 | 0°♒10'21  |            |
| evening max el      | -7139 Apr 15 j 16:15 | 15°♌57'07 | 45°28'40   |                     | -7137 Nov 14 j 05:26 | 0°♑       |            |
|                     | -7139 May 01 j 13:57 | 0°♍       |            |                     |                      |           |            |
| greatest brilliancy | -7139 May 24 j 17:25 | 13°♍58'36 | -4.8m      | superior conj       | -7137 Nov 23 j 07:32 | 11°♑18'08 | -0°20'17   |
| desc. node          | -7139 May 29 j 13:25 | 15°♍15'26 |            | minimum elong       | -7137 Nov 23 j 02:19 | 11°♑01'55 | 0°20'05    |
| retrograde          | -7139 Jun 03 j 14:33 | 15°♍43'55 |            | max. Earth dist.    | -7137 Nov 28 j 05:02 | 17°♑22'45 | 1.72269 AU |
| evening set         | -7139 Jun 18 j 21:26 | 11°♍21'37 |            |                     | -7137 Dec 08 j 09:32 | 0°♑       |            |
| inferior conj       | -7139 Jun 24 j 14:21 | 8°♍04'46  | -5°47'40   |                     | -7136 Jan 01 j 16:41 | 0°♒       |            |
| minimum elong       | -7139 Jun 24 j 03:59 | 8°♍20'18  | 5°45'01    | evening rise        | -7136 Jan 02 j 17:36 | 1°♒16'40  |            |
| min. Earth dist.    | -7139 Jun 24 j 19:38 | 7°♍56'51  | 0.27227 AU |                     | -7136 Jan 26 j 02:40 | 0°☾       |            |
| morning rise        | -7139 Jun 29 j 09:57 | 5°♍15'25  |            |                     | -7136 Feb 19 j 16:23 | 0°♊       |            |
| direct              | -7139 Jul 15 j 12:53 | 0°♎18'13  |            | asc. node           | -7136 Mar 05 j 14:24 | 18°♊04'59 |            |
| greatest brilliancy | -7139 Jul 26 j 15:07 | 2°♎33'38  | -4.9m      |                     | -7136 Mar 15 j 11:42 | 0°♋       |            |
|                     | -7139 Aug 31 j 20:32 | 0°♏       |            |                     | -7136 Apr 09 j 15:01 | 0°♌       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|--|---------------------|----------------------|-----------|------------|--|
|                     | -7136 May 05 j 06:03 | 0°♄       |            |  |                     | -7134 Oct 11 j 09:52 | 0°♌       |            |  |
|                     | -7136 May 31 j 17:29 | 0°♊       |            |  |                     | -7134 Nov 04 j 11:26 | 0°♍       |            |  |
| desc. node          | -7136 Jun 26 j 00:03 | 26°♊48'04 |            |  |                     | -7134 Nov 28 j 15:54 | 0°♌       |            |  |
| evening max el      | -7136 Jun 28 j 09:05 | 29°♊09'55 | 47°05'25   |  | desc. node          | -7134 Dec 11 j 22:03 | 16°♌21'53 |            |  |
|                     | -7136 Jun 29 j 05:26 | 0°♌       |            |  |                     | -7134 Dec 22 j 23:44 | 0°♍       |            |  |
| greatest brilliancy | -7136 Aug 08 j 16:53 | 29°♌55'22 | -4.9m      |  | morning set         | -7134 Dec 27 j 11:49 | 5°♍32'23  |            |  |
|                     | -7136 Aug 08 j 22:32 | 0°♌       |            |  |                     | -7133 Jan 16 j 09:40 | 0°♎       |            |  |
| retrograde          | -7136 Aug 17 j 20:09 | 1°♌29'58  |            |  |                     |                      |           |            |  |
|                     | -7136 Aug 26 j 09:08 | 30°♌      |            |  | superior conj       | -7133 Feb 04 j 05:39 | 23°♎07'00 | -1°21'53   |  |
| evening set         | -7136 Sep 04 j 01:09 | 25°♌47'23 |            |  | minimum elong       | -7133 Feb 04 j 04:32 | 23°♎03'34 | 1°22'22    |  |
| inferior conj       | -7136 Sep 07 j 10:39 | 23°♌44'37 | -8°03'07   |  | max. Earth dist.    | -7133 Feb 04 j 08:40 | 23°♎16'16 | 1.73633 AU |  |
| minimum elong       | -7136 Sep 07 j 19:30 | 23°♌31'08 | 8°01'22    |  |                     | -7133 Feb 09 j 20:15 | 0°♏       |            |  |
| min. Earth dist.    | -7136 Sep 07 j 08:39 | 23°♌47'40 | 0.26545 AU |  |                     | -7133 Mar 06 j 06:49 | 0°♏       |            |  |
| morning rise        | -7136 Sep 11 j 13:56 | 21°♌16'43 |            |  | evening rise        | -7133 Mar 12 j 15:17 | 7°♏47'46  |            |  |
| direct              | -7136 Sep 27 j 16:41 | 16°♌10'13 |            |  | greatest brilliancy | -7133 Mar 12 j 22:07 | 8°♏08'44  | -3.9m      |  |
| greatest brilliancy | -7136 Oct 07 j 20:04 | 18°♌09'16 | -4.9m      |  |                     | -7133 Mar 30 j 17:39 | 0°♐       |            |  |
| asc. node           | -7136 Oct 16 j 11:23 | 22°♌26'35 |            |  | asc. node           | -7133 Apr 03 j 03:03 | 4°♐09'28  |            |  |
|                     | -7136 Oct 27 j 02:35 | 0°♌       |            |  |                     | -7133 Apr 24 j 05:22 | 0°♑       |            |  |
| morning max el      | -7136 Nov 17 j 03:05 | 19°♌20'52 | 46°33'15   |  |                     | -7133 May 18 j 18:48 | 0°♒       |            |  |
|                     | -7136 Nov 27 j 09:35 | 0°♍       |            |  |                     | -7133 Jun 12 j 11:20 | 0°♊       |            |  |
|                     | -7136 Dec 24 j 13:42 | 0°♌       |            |  |                     | -7133 Jul 07 j 09:58 | 0°♌       |            |  |
|                     | -7135 Jan 19 j 15:36 | 0°♍       |            |  | desc. node          | -7133 Jul 24 j 10:53 | 20°♌10'41 |            |  |
| desc. node          | -7135 Feb 05 j 21:23 | 20°♍09'51 |            |  |                     | -7133 Aug 01 j 21:01 | 0°♌       |            |  |
|                     | -7135 Feb 14 j 05:44 | 0°♎       |            |  |                     | -7133 Aug 28 j 11:52 | 0°♍       |            |  |
|                     | -7135 Mar 11 j 11:18 | 0°♏       |            |  | evening max el      | -7133 Sep 09 j 23:16 | 13°♍09'22 | 47°39'44   |  |
|                     | -7135 Apr 05 j 08:51 | 0°♏       |            |  |                     | -7133 Sep 27 j 17:16 | 0°♌       |            |  |
|                     | -7135 Apr 29 j 22:44 | 0°♐       |            |  | greatest brilliancy | -7133 Oct 20 j 18:03 | 15°♌09'38 | -4.9m      |  |
| morning set         | -7135 May 15 j 06:52 | 18°♐54'30 |            |  | retrograde          | -7133 Oct 31 j 03:41 | 17°♌14'48 |            |  |
|                     | -7135 May 24 j 05:42 | 0°♑       |            |  | asc. node           | -7133 Nov 13 j 22:00 | 13°♌20'56 |            |  |
| asc. node           | -7135 May 29 j 03:10 | 6°♑05'02  |            |  | evening set         | -7133 Nov 14 j 20:51 | 12°♌49'33 |            |  |
| max. Earth dist.    | -7135 Jun 16 j 10:53 | 28°♑57'10 | 1.71811 AU |  | min. Earth dist.    | -7133 Nov 20 j 03:12 | 9°♌37'08  | 0.27492 AU |  |
|                     | -7135 Jun 17 j 06:58 | 0°♒       |            |  | inferior conj       | -7133 Nov 21 j 00:55 | 9°♌02'30  | 1°44'16    |  |
|                     |                      |           |            |  | minimum elong       | -7133 Nov 20 j 21:18 | 9°♌08'16  | 1°43'09    |  |
| superior conj       | -7135 Jun 20 j 16:42 | 4°♒15'59  | 0°49'27    |  | morning rise        | -7133 Nov 26 j 22:45 | 5°♌26'36  |            |  |
| minimum elong       | -7135 Jun 20 j 08:12 | 3°♒49'20  | 0°49'21    |  | direct              | -7133 Dec 11 j 15:51 | 1°♌06'15  |            |  |
|                     | -7135 Jul 11 j 04:23 | 0°♊       |            |  | greatest brilliancy | -7133 Dec 20 j 15:11 | 2°♌37'01  | -4.8m      |  |
| evening rise        | -7135 Jul 28 j 10:46 | 21°♊43'50 |            |  |                     | -7132 Jan 28 j 00:20 | 0°♍       |            |  |
|                     | -7135 Aug 04 j 00:25 | 0°♌       |            |  | morning max el      | -7132 Jan 29 j 14:48 | 1°♍31'44  | 46°01'12   |  |
|                     | -7135 Aug 27 j 21:34 | 0°♌       |            |  |                     | -7132 Feb 26 j 07:52 | 0°♎       |            |  |
| desc. node          | -7135 Sep 18 j 08:46 | 26°♌49'41 |            |  | desc. node          | -7132 Mar 05 j 09:14 | 8°♎47'31  |            |  |
|                     | -7135 Sep 20 j 21:55 | 0°♍       |            |  |                     | -7132 Mar 24 j 07:07 | 0°♏       |            |  |
|                     | -7135 Oct 15 j 03:01 | 0°♌       |            |  |                     | -7132 Apr 19 j 03:39 | 0°♏       |            |  |
|                     | -7135 Nov 08 j 14:57 | 0°♍       |            |  |                     | -7132 May 14 j 06:34 | 0°♐       |            |  |
|                     | -7135 Dec 03 j 14:22 | 0°♎       |            |  |                     | -7132 Jun 07 j 20:16 | 0°♑       |            |  |
|                     | -7135 Dec 29 j 12:19 | 0°♏       |            |  | asc. node           | -7132 Jun 25 j 16:18 | 22°♑06'29 |            |  |
| asc. node           | -7134 Jan 08 j 17:15 | 11°♏18'15 |            |  |                     | -7132 Jul 01 j 23:58 | 0°♒       |            |  |
|                     | -7134 Jan 26 j 14:24 | 0°♏       |            |  | greatest brilliancy | -7132 Jul 24 j 01:46 | 27°♒44'11 | -3.9m      |  |
| evening max el      | -7134 Jan 31 j 19:16 | 5°♏05'08  | 45°03'45   |  | morning set         | -7132 Jul 24 j 04:14 | 27°♒51'56 |            |  |
|                     | -7134 Mar 05 j 04:04 | 0°♐       |            |  |                     | -7132 Jul 25 j 20:50 | 0°♊       |            |  |
| greatest brilliancy | -7134 Mar 10 j 07:51 | 2°♐12'18  | -4.7m      |  |                     | -7132 Aug 18 j 14:22 | 0°♌       |            |  |
| retrograde          | -7134 Mar 20 j 19:28 | 4°♐09'08  |            |  |                     |                      |           |            |  |
|                     | -7134 Apr 04 j 14:46 | 30°♐      |            |  | superior conj       | -7132 Sep 01 j 23:39 | 18°♌11'48 | 1°18'19    |  |
| evening set         | -7134 Apr 05 j 16:39 | 29°♐24'48 |            |  | minimum elong       | -7132 Sep 02 j 07:04 | 18°♌35'14 | 1°18'40    |  |
| inferior conj       | -7134 Apr 11 j 04:56 | 26°♐07'05 | 4°20'34    |  | max. Earth dist.    | -7132 Sep 04 j 20:42 | 21°♌49'55 | 1.70779 AU |  |
| minimum elong       | -7134 Apr 11 j 12:58 | 25°♐54'36 | 4°18'19    |  |                     | -7132 Sep 11 j 08:00 | 0°♌       |            |  |
| min. Earth dist.    | -7134 Apr 12 j 05:59 | 25°♐28'14 | 0.28894 AU |  |                     | -7132 Oct 05 j 04:19 | 0°♍       |            |  |
| morning rise        | -7134 Apr 17 j 08:37 | 22°♐26'07 |            |  | evening rise        | -7132 Oct 14 j 17:10 | 11°♍56'17 |            |  |
| desc. node          | -7134 May 01 j 04:58 | 17°♐50'34 |            |  | desc. node          | -7132 Oct 15 j 21:46 | 13°♍25'38 |            |  |
| direct              | -7134 May 03 j 01:52 | 17°♐46'30 |            |  |                     | -7132 Oct 29 j 04:36 | 0°♌       |            |  |
| greatest brilliancy | -7134 May 14 j 07:08 | 20°♐01'15 | -4.8m      |  |                     | -7132 Nov 22 j 09:11 | 0°♍       |            |  |
|                     | -7134 May 31 j 08:42 | 0°♐       |            |  |                     | -7132 Dec 16 j 18:43 | 0°♎       |            |  |
| morning max el      | -7134 Jun 21 j 17:56 | 18°♐48'06 | 46°21'28   |  |                     | -7131 Jan 10 j 11:27 | 0°♏       |            |  |
|                     | -7134 Jul 02 j 17:40 | 0°♑       |            |  |                     | -7131 Feb 04 j 16:18 | 0°♏       |            |  |
|                     | -7134 Jul 29 j 16:56 | 0°♒       |            |  | asc. node           | -7131 Feb 05 j 04:31 | 0°♏35'50  |            |  |
| asc. node           | -7134 Aug 21 j 15:08 | 27°♒13'47 |            |  |                     | -7131 Mar 02 j 18:03 | 0°♐       |            |  |
|                     | -7134 Aug 23 j 21:57 | 0°♊       |            |  |                     | -7131 Mar 30 j 11:38 | 0°♑       |            |  |
|                     | -7134 Sep 17 j 07:42 | 0°♌       |            |  | evening max el      | -7131 Apr 13 j 06:17 | 13°♑40'30 | 45°26'21   |  |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 55

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7131 May 02 j 02:23 | 0°♄       |            | desc. node          | -7129 Nov 13 j 10:54 | 29°♎42'40 |            |
| greatest brilliancy | -7131 May 22 j 04:53 | 11°♄36'42 | -4.8m      |                     | -7129 Nov 13 j 16:28 | 0°♊       |            |
| desc. node          | -7131 May 28 j 15:39 | 13°♄09'36 |            |                     |                      |           |            |
| retrograde          | -7131 Jun 01 j 03:48 | 13°♄23'31 |            | superior conj       | -7129 Nov 20 j 17:43 | 8°♊46'23  | -0°16'35   |
| evening set         | -7131 Jun 16 j 07:43 | 9°♄04'18  |            | minimum elong       | -7129 Nov 20 j 13:23 | 8°♊32'55  | 0°16'24    |
| inferior conj       | -7131 Jun 22 j 03:32 | 5°♄43'46  | -5°29'50   | max. Earth dist.    | -7129 Nov 25 j 19:42 | 15°♊05'10 | 1.72211 AU |
| minimum elong       | -7131 Jun 21 j 17:21 | 5°♄58'58  | 5°27'09    |                     | -7129 Dec 07 j 20:31 | 0°♌       |            |
| min. Earth dist.    | -7131 Jun 22 j 09:24 | 5°♄35'01  | 0.27270 AU | evening rise        | -7129 Dec 31 j 07:57 | 28°♌59'18 |            |
| morning rise        | -7131 Jun 27 j 02:26 | 2°♄50'07  |            |                     | -7128 Jan 01 j 03:39 | 0°♌       |            |
|                     | -7131 Jul 02 j 23:00 | 30°♌      |            |                     | -7128 Jan 25 j 13:43 | 0°♍       |            |
| direct              | -7131 Jul 13 j 03:04 | 27°♌56'08 |            |                     | -7128 Feb 19 j 03:39 | 0°♍       |            |
|                     | -7131 Jul 23 j 16:47 | 0°♌       |            | asc. node           | -7128 Mar 04 j 16:39 | 17°♍37'08 |            |
| greatest brilliancy | -7131 Jul 24 j 06:05 | 0°♌12'41  | -4.9m      |                     | -7128 Mar 14 j 23:26 | 0°♎       |            |
|                     | -7131 Aug 31 j 19:55 | 0°♌       |            |                     | -7128 Apr 09 j 03:35 | 0°♎       |            |
| morning max el      | -7131 Sep 01 j 17:45 | 0°♌55'24  | 46°47'38   |                     | -7128 May 04 j 20:07 | 0°♏       |            |
| asc. node           | -7131 Sep 18 j 02:47 | 18°♌25'57 |            |                     | -7128 May 31 j 10:28 | 0°♌       |            |
|                     | -7131 Sep 28 j 08:34 | 0°♏       |            | desc. node          | -7128 Jun 25 j 02:08 | 25°♌55'30 |            |
|                     | -7131 Oct 23 j 20:54 | 0°♏       |            | evening max el      | -7128 Jun 25 j 23:15 | 26°♌47'42 | 47°02'14   |
|                     | -7131 Nov 17 j 17:57 | 0°♎       |            |                     | -7128 Jun 29 j 06:10 | 0°♏       |            |
|                     | -7131 Dec 12 j 11:32 | 0°♊       |            | greatest brilliancy | -7128 Aug 06 j 04:56 | 27°♏25'36 | -4.9m      |
|                     | -7130 Jan 06 j 05:19 | 0°♌       |            | retrograde          | -7128 Aug 15 j 08:26 | 28°♏59'44 |            |
| desc. node          | -7130 Jan 08 j 11:01 | 2°♌42'47  |            | evening set         | -7128 Sep 01 j 16:20 | 23°♏13'39 |            |
|                     | -7130 Jan 30 j 22:56 | 0°♌       |            | inferior conj       | -7128 Sep 04 j 22:49 | 21°♏15'15 | -8°13'34   |
|                     | -7130 Feb 24 j 14:49 | 0°♏       |            | minimum elong       | -7128 Sep 05 j 07:05 | 21°♏02'39 | 8°12'02    |
| morning set         | -7130 Mar 07 j 14:33 | 13°♏24'45 |            | min. Earth dist.    | -7128 Sep 04 j 20:52 | 21°♏18'12 | 0.26546 AU |
|                     | -7130 Mar 21 j 03:45 | 0°♍       |            | morning rise        | -7128 Sep 08 j 21:54 | 18°♏53'17 |            |
| max. Earth dist.    | -7130 Apr 08 j 20:04 | 22°♍56'59 | 1.73465 AU | direct              | -7128 Sep 25 j 05:23 | 13°♏41'23 |            |
|                     |                      |           |            | greatest brilliancy | -7128 Oct 05 j 08:39 | 15°♏40'07 | -4.9m      |
| superior conj       | -7130 Apr 12 j 04:38 | 27°♍05'08 | -0°41'02   | asc. node           | -7128 Oct 15 j 13:35 | 20°♏56'33 |            |
| minimum elong       | -7130 Apr 12 j 11:33 | 27°♍26'26 | 0°41'04    |                     | -7128 Oct 27 j 15:12 | 0°♏       |            |
|                     | -7130 Apr 14 j 13:23 | 0°♎       |            | morning max el      | -7128 Nov 14 j 16:13 | 16°♏55'11 | 46°34'13   |
| asc. node           | -7130 Apr 30 j 16:09 | 19°♎53'58 |            |                     | -7128 Nov 27 j 04:56 | 0°♎       |            |
|                     | -7130 May 08 j 19:59 | 0°♏       |            |                     | -7128 Dec 24 j 04:49 | 0°♊       |            |
| evening rise        | -7130 May 17 j 16:28 | 10°♏58'35 |            |                     | -7127 Jan 19 j 04:50 | 0°♌       |            |
|                     | -7130 Jun 02 j 00:12 | 0°♄       |            | desc. node          | -7127 Feb 04 j 23:31 | 19°♌39'22 |            |
|                     | -7130 Jun 26 j 03:12 | 0°♌       |            |                     | -7127 Feb 13 j 17:55 | 0°♌       |            |
|                     | -7130 Jul 20 j 06:51 | 0°♏       |            |                     | -7127 Mar 10 j 22:51 | 0°♏       |            |
|                     | -7130 Aug 13 j 13:36 | 0°♏       |            |                     | -7127 Apr 04 j 20:00 | 0°♍       |            |
| desc. node          | -7130 Aug 20 j 22:37 | 9°♏03'31  |            |                     | -7127 Apr 29 j 09:40 | 0°♎       |            |
|                     | -7130 Sep 07 j 02:31 | 0°♎       |            | morning set         | -7127 May 13 j 01:21 | 16°♎49'42 |            |
|                     | -7130 Oct 02 j 02:32 | 0°♊       |            |                     | -7127 May 23 j 16:32 | 0°♏       |            |
|                     | -7130 Oct 28 j 01:10 | 0°♌       |            | asc. node           | -7127 May 28 j 05:15 | 5°♏37'46  |            |
| evening max el      | -7130 Nov 19 j 14:01 | 24°♌09'15 | 46°19'45   | max. Earth dist.    | -7127 Jun 14 j 00:04 | 26°♏34'16 | 1.71877 AU |
|                     | -7130 Nov 25 j 12:28 | 0°♌       |            |                     | -7127 Jun 16 j 17:50 | 0°♄       |            |
| asc. node           | -7130 Dec 11 j 08:41 | 13°♌53'08 |            |                     |                      |           |            |
| greatest brilliancy | -7130 Dec 28 j 09:35 | 24°♌10'25 | -4.8m      | superior conj       | -7127 Jun 18 j 09:20 | 2°♄03'38  | 0°46'46    |
| retrograde          | -7129 Jan 08 j 13:19 | 26°♌29'41 |            | minimum elong       | -7127 Jun 18 j 01:07 | 1°♄37'56  | 0°46'39    |
| evening set         | -7129 Jan 25 j 23:14 | 20°♌33'42 |            |                     | -7127 Jul 10 j 15:23 | 0°♌       |            |
| inferior conj       | -7129 Jan 29 j 22:28 | 18°♌03'23 | 8°01'46    | evening rise        | -7127 Jul 25 j 23:51 | 19°♌19'01 |            |
| minimum elong       | -7129 Jan 29 j 19:28 | 18°♌08'12 | 8°01'10    |                     | -7127 Aug 03 j 11:36 | 0°♏       |            |
| min. Earth dist.    | -7129 Jan 29 j 17:11 | 18°♌11'51 | 0.29406 AU |                     | -7127 Aug 27 j 08:55 | 0°♏       |            |
| morning rise        | -7129 Feb 02 j 15:53 | 15°♌42'10 |            | desc. node          | -7127 Sep 17 j 11:01 | 26°♏20'54 |            |
| direct              | -7129 Feb 20 j 14:05 | 9°♌35'04  |            |                     | -7127 Sep 20 j 09:26 | 0°♎       |            |
| greatest brilliancy | -7129 Mar 01 j 23:56 | 11°♌11'39 | -4.7m      |                     | -7127 Oct 14 j 14:47 | 0°♊       |            |
|                     | -7129 Mar 31 j 05:31 | 0°♏       |            |                     | -7127 Nov 08 j 03:10 | 0°♌       |            |
| desc. node          | -7129 Apr 02 j 20:28 | 2°♏17'55  |            |                     | -7127 Dec 03 j 03:26 | 0°♌       |            |
| morning max el      | -7129 Apr 10 j 11:04 | 9°♏18'17  | 45°54'32   |                     | -7127 Dec 29 j 03:21 | 0°♏       |            |
|                     | -7129 Apr 30 j 21:41 | 0°♍       |            | asc. node           | -7126 Jan 07 j 19:21 | 10°♏39'36 |            |
|                     | -7129 May 27 j 22:44 | 0°♎       |            |                     | -7126 Jan 26 j 11:02 | 0°♍       |            |
|                     | -7129 Jun 22 j 11:32 | 0°♏       |            | evening max el      | -7126 Jan 29 j 09:56 | 2°♍52'07  | 45°04'39   |
|                     | -7129 Jul 17 j 03:15 | 0°♄       |            |                     | -7126 Mar 07 j 19:04 | 0°♎       |            |
| asc. node           | -7129 Jul 24 j 05:02 | 8°♄44'53  |            | greatest brilliancy | -7126 Mar 07 j 23:56 | 0°♎04'23  | -4.7m      |
|                     | -7129 Aug 10 j 05:55 | 0°♌       |            | retrograde          | -7126 Mar 18 j 10:48 | 2°♎01'14  |            |
|                     | -7129 Sep 03 j 01:43 | 0°♏       |            |                     | -7126 Mar 28 j 16:09 | 30°♎      |            |
|                     | -7129 Sep 26 j 19:54 | 0°♏       |            | evening set         | -7126 Apr 03 j 11:02 | 27°♍13'02 |            |
| morning set         | -7129 Oct 09 j 09:33 | 15°♏49'58 |            | inferior conj       | -7126 Apr 08 j 21:08 | 23°♍58'16 | 4°36'22    |
|                     | -7129 Oct 20 j 16:15 | 0°♎       |            | minimum elong       | -7126 Apr 09 j 05:27 | 23°♍45'22 | 4°34'08    |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 56

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                               |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|-------------------------------|------------|
| min. Earth dist.    | -7126 Apr 09 j 22:32 | 23° $\approx$ 18'49            | 0.28950 AU |                     | -7124 Sep 10 j 19:14 | 0° $\Omega$                   |            |
| morning rise        | -7126 Apr 14 j 23:07 | 20° $\approx$ 19'06            |            |                     | -7124 Oct 04 j 15:37 | 0° $\mathbb{M}$               |            |
| desc. node          | -7126 Apr 30 j 07:08 | 15° $\approx$ 36'49            |            | evening rise        | -7124 Oct 12 j 00:56 | 9° $\mathbb{M}$ 15'09         |            |
| direct              | -7126 Apr 30 j 17:53 | 15° $\approx$ 36'35            |            | desc. node          | -7124 Oct 14 j 23:48 | 12° $\mathbb{M}$ 56'39        |            |
| greatest brilliancy | -7126 May 11 j 23:25 | 17° $\approx$ 51'00            | -4.7m      |                     | -7124 Oct 28 j 15:59 | 0° $\underline{\Omega}$       |            |
|                     | -7126 May 31 j 21:07 | 0° $\mathbb{H}$                |            |                     | -7124 Nov 21 j 20:39 | 0° $\mathbb{M}$               |            |
| morning max el      | -7126 Jun 19 j 08:37 | 16° $\mathbb{H}$ 31'46         | 46°20'19   |                     | -7124 Dec 16 j 06:20 | 0° $\mathbb{H}$               |            |
|                     | -7126 Jul 02 j 12:18 | 0° $\mathbb{Y}$                |            |                     | -7123 Jan 09 j 23:28 | 0° $\mathbb{Z}$               |            |
|                     | -7126 Jul 29 j 07:42 | 0° $\mathbb{B}$                |            | asc. node           | -7123 Feb 04 j 06:51 | 0° $\approx$ 04'54            |            |
| asc. node           | -7126 Aug 20 j 17:25 | 26° $\mathbb{B}$ 40'24         |            |                     | -7123 Feb 04 j 05:11 | 0° $\approx$                  |            |
|                     | -7126 Aug 23 j 11:09 | 0° $\mathbb{I}$                |            |                     | -7123 Mar 02 j 08:47 | 0° $\mathbb{H}$               |            |
|                     | -7126 Sep 16 j 20:06 | 0° $\mathbb{E}$                |            |                     | -7123 Mar 30 j 06:59 | 0° $\mathbb{Y}$               |            |
|                     | -7126 Oct 10 j 21:46 | 0° $\Omega$                    |            | evening max el      | -7123 Apr 10 j 20:57 | 11° $\mathbb{Y}$ 25'09        | 45°23'53   |
|                     | -7126 Nov 03 j 23:00 | 0° $\mathbb{M}$                |            |                     | -7123 May 02 j 19:22 | 0° $\mathbb{B}$               |            |
|                     | -7126 Nov 28 j 03:11 | 0° $\underline{\Omega}$        |            | greatest brilliancy | -7123 May 19 j 15:53 | 9° $\mathbb{B}$ 13'37         | -4.8m      |
| desc. node          | -7126 Dec 11 j 00:05 | 15° $\underline{\Omega}$ 53'43 |            | desc. node          | -7123 May 27 j 17:45 | 10° $\mathbb{B}$ 57'28        |            |
|                     | -7126 Dec 22 j 10:48 | 0° $\mathbb{M}$                |            | retrograde          | -7123 May 29 j 17:03 | 11° $\mathbb{B}$ 01'54        |            |
| morning set         | -7126 Dec 25 j 01:08 | 3° $\mathbb{M}$ 11'47          |            | evening set         | -7123 Jun 13 j 18:03 | 6° $\mathbb{B}$ 45'46         |            |
|                     | -7125 Jan 15 j 20:34 | 0° $\mathbb{H}$                |            | inferior conj       | -7123 Jun 19 j 16:29 | 3° $\mathbb{B}$ 21'32         | -5°11'22   |
|                     |                      |                                |            | minimum elong       | -7123 Jun 19 j 06:35 | 3° $\mathbb{B}$ 36'18         | 5°08'42    |
| superior conj       | -7125 Feb 01 j 22:50 | 20° $\mathbb{H}$ 59'15         | -1°21'39   | min. Earth dist.    | -7123 Jun 19 j 22:44 | 3° $\mathbb{B}$ 12'10         | 0.27315 AU |
| minimum elong       | -7125 Feb 01 j 21:02 | 20° $\mathbb{H}$ 53'41         | 1°22'07    | morning rise        | -7123 Jun 24 j 18:38 | 0° $\mathbb{B}$ 23'34         |            |
| max. Earth dist.    | -7125 Feb 02 j 04:06 | 21° $\mathbb{H}$ 15'24         | 1.73611 AU |                     | -7123 Jun 25 j 11:56 | 30° $\mathbb{R}$ $\mathbb{Y}$ |            |
|                     | -7125 Feb 09 j 07:04 | 0° $\mathbb{Z}$                |            | direct              | -7123 Jul 10 j 17:27 | 25° $\mathbb{Y}$ 32'58        |            |
|                     | -7125 Mar 05 j 17:40 | 0° $\approx$                   |            | greatest brilliancy | -7123 Jul 21 j 20:20 | 27° $\mathbb{Y}$ 49'48        | -4.9m      |
| evening rise        | -7125 Mar 10 j 10:16 | 5° $\approx$ 45'23             |            |                     | -7123 Jul 26 j 14:08 | 0° $\mathbb{B}$               |            |
| greatest brilliancy | -7125 Mar 11 j 06:18 | 6° $\approx$ 46'49             | -3.9m      | morning max el      | -7123 Aug 30 j 08:16 | 28° $\mathbb{B}$ 31'58        | 46°47'20   |
|                     | -7125 Mar 30 j 04:39 | 0° $\mathbb{H}$                |            |                     | -7123 Aug 31 j 18:41 | 0° $\mathbb{I}$               |            |
| asc. node           | -7125 Apr 02 j 05:15 | 3° $\mathbb{H}$ 42'24          |            | asc. node           | -7123 Sep 17 j 05:01 | 17° $\mathbb{I}$ 41'26        |            |
|                     | -7125 Apr 23 j 16:42 | 0° $\mathbb{Y}$                |            |                     | -7123 Sep 28 j 01:06 | 0° $\mathbb{E}$               |            |
|                     | -7125 May 18 j 06:37 | 0° $\mathbb{B}$                |            |                     | -7123 Oct 23 j 11:07 | 0° $\Omega$                   |            |
|                     | -7125 Jun 11 j 23:51 | 0° $\mathbb{I}$                |            |                     | -7123 Nov 17 j 07:00 | 0° $\mathbb{M}$               |            |
|                     | -7125 Jul 06 j 23:32 | 0° $\mathbb{E}$                |            |                     | -7123 Dec 11 j 23:51 | 0° $\underline{\Omega}$       |            |
| desc. node          | -7125 Jul 23 j 13:03 | 19° $\mathbb{E}$ 34'07         |            |                     | -7122 Jan 05 j 17:06 | 0° $\mathbb{M}$               |            |
|                     | -7125 Aug 01 j 12:23 | 0° $\Omega$                    |            | desc. node          | -7122 Jan 07 j 13:07 | 2° $\mathbb{M}$ 13'30         |            |
|                     | -7125 Aug 28 j 07:08 | 0° $\mathbb{M}$                |            |                     | -7122 Jan 30 j 10:20 | 0° $\mathbb{H}$               |            |
| evening max el      | -7125 Sep 07 j 13:24 | 10° $\mathbb{M}$ 45'32         | 47°40'51   |                     | -7122 Feb 24 j 01:56 | 0° $\mathbb{Z}$               |            |
|                     | -7125 Sep 28 j 03:46 | 0° $\underline{\Omega}$        |            | morning set         | -7122 Mar 05 j 09:07 | 11° $\mathbb{Z}$ 21'04        |            |
| greatest brilliancy | -7125 Oct 18 j 11:03 | 12° $\underline{\Omega}$ 49'34 | -4.9m      |                     | -7122 Mar 20 j 14:43 | 0° $\approx$                  |            |
| retrograde          | -7125 Oct 28 j 18:30 | 14° $\underline{\Omega}$ 53'12 |            | max. Earth dist.    | -7122 Apr 06 j 19:29 | 21° $\approx$ 07'38           | 1.73497 AU |
| evening set         | -7125 Nov 12 j 11:37 | 10° $\underline{\Omega}$ 28'23 |            |                     |                      |                               |            |
| asc. node           | -7125 Nov 13 j 00:13 | 10° $\underline{\Omega}$ 10'34 |            | superior conj       | -7122 Apr 10 j 00:09 | 25° $\approx$ 03'41           | -0°43'34   |
| min. Earth dist.    | -7125 Nov 17 j 18:52 | 7° $\underline{\Omega}$ 15'12  | 0.27422 AU | minimum elong       | -7122 Apr 10 j 07:21 | 25° $\approx$ 25'51           | 0°43'36    |
| inferior conj       | -7125 Nov 18 j 15:45 | 6° $\underline{\Omega}$ 41'59  | 1°23'05    |                     | -7122 Apr 14 j 00:19 | 0° $\mathbb{H}$               |            |
| minimum elong       | -7125 Nov 18 j 12:50 | 6° $\underline{\Omega}$ 46'37  | 1°22'12    | asc. node           | -7122 Apr 29 j 18:13 | 19° $\mathbb{H}$ 26'25        |            |
| morning rise        | -7125 Nov 24 j 14:56 | 3° $\underline{\Omega}$ 04'22  |            |                     | -7122 May 08 j 07:02 | 0° $\mathbb{Y}$               |            |
|                     | -7125 Dec 01 j 12:38 | 30° $\mathbb{R}$ $\mathbb{M}$  |            | evening rise        | -7122 May 15 j 11:43 | 8° $\mathbb{Y}$ 55'02         |            |
| direct              | -7125 Dec 09 j 05:15 | 28° $\mathbb{M}$ 46'41         |            |                     | -7122 Jun 01 j 11:27 | 0° $\mathbb{B}$               |            |
|                     | -7125 Dec 17 j 05:58 | 0° $\underline{\Omega}$        |            |                     | -7122 Jun 25 j 14:46 | 0° $\mathbb{I}$               |            |
| greatest brilliancy | -7125 Dec 18 j 06:37 | 0° $\underline{\Omega}$ 19'07  | -4.8m      |                     | -7122 Jul 19 j 18:49 | 0° $\mathbb{E}$               |            |
| morning max el      | -7124 Jan 27 j 05:27 | 29° $\underline{\Omega}$ 16'28 | 46°02'10   |                     | -7122 Aug 13 j 02:04 | 0° $\Omega$                   |            |
|                     | -7124 Jan 27 j 23:33 | 0° $\mathbb{M}$                |            | desc. node          | -7122 Aug 20 j 00:51 | 8° $\Omega$ 31'43             |            |
|                     | -7124 Feb 25 j 23:56 | 0° $\mathbb{H}$                |            |                     | -7122 Sep 06 j 15:40 | 0° $\mathbb{M}$               |            |
| desc. node          | -7124 Mar 04 j 11:32 | 8° $\mathbb{H}$ 12'07          |            |                     | -7122 Oct 01 j 16:49 | 0° $\underline{\Omega}$       |            |
|                     | -7124 Mar 23 j 20:39 | 0° $\mathbb{Z}$                |            |                     | -7122 Oct 27 j 17:53 | 0° $\mathbb{M}$               |            |
|                     | -7124 Apr 18 j 15:58 | 0° $\approx$                   |            | evening max el      | -7122 Nov 17 j 06:55 | 21° $\mathbb{M}$ 56'36        | 46°23'12   |
|                     | -7124 May 13 j 18:16 | 0° $\mathbb{H}$                |            |                     | -7122 Nov 25 j 12:58 | 0° $\mathbb{H}$               |            |
|                     | -7124 Jun 07 j 07:39 | 0° $\mathbb{Y}$                |            | asc. node           | -7122 Dec 10 j 10:50 | 12° $\mathbb{H}$ 45'25        |            |
| asc. node           | -7124 Jun 24 j 18:23 | 21° $\mathbb{Y}$ 37'55         |            | greatest brilliancy | -7122 Dec 26 j 02:47 | 22° $\mathbb{H}$ 01'15        | -4.8m      |
|                     | -7124 Jul 01 j 11:12 | 0° $\mathbb{B}$                |            | retrograde          | -7121 Jan 06 j 07:08 | 24° $\mathbb{H}$ 20'52        |            |
| morning set         | -7124 Jul 21 j 17:44 | 25° $\mathbb{B}$ 27'55         |            | evening set         | -7121 Jan 23 j 14:59 | 18° $\mathbb{H}$ 27'16        |            |
|                     | -7124 Jul 25 j 08:01 | 0° $\mathbb{I}$                |            | inferior conj       | -7121 Jan 27 j 15:42 | 15° $\mathbb{H}$ 54'22        | 7°58'47    |
|                     | -7124 Aug 18 j 01:33 | 0° $\mathbb{E}$                |            | minimum elong       | -7121 Jan 27 j 12:06 | 16° $\mathbb{H}$ 00'10        | 7°58'07    |
|                     |                      |                                |            | min. Earth dist.    | -7121 Jan 27 j 08:45 | 16° $\mathbb{H}$ 05'33        | 0.29368 AU |
| superior conj       | -7124 Aug 30 j 09:47 | 15° $\mathbb{E}$ 36'40         | 1°19'34    | morning rise        | -7121 Jan 31 j 09:27 | 13° $\mathbb{H}$ 32'33        |            |
| minimum elong       | -7124 Aug 30 j 16:20 | 15° $\mathbb{E}$ 57'23         | 1°19'57    | direct              | -7121 Feb 18 j 07:15 | 7° $\mathbb{H}$ 26'51         |            |
| max. Earth dist.    | -7124 Sep 02 j 00:32 | 18° $\mathbb{E}$ 54'56         | 1.70772 AU | greatest brilliancy | -7121 Feb 27 j 14:22 | 9° $\mathbb{H}$ 01'31         | -4.7m      |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|--|
|                     | -7121 Mar 31 j 08:39 | 0°♄       |            |                     | -7119 Sep 19 j 21:18 | 0°♍       |            |  |
| desc. node          | -7121 Apr 01 j 22:33 | 1°♄24'44  |            |                     | -7119 Oct 14 j 02:58 | 0°♌       |            |  |
| morning max el      | -7121 Apr 08 j 03:39 | 7°♄10'09  | 45°54'08   |                     | -7119 Nov 07 j 15:50 | 0°♋       |            |  |
|                     | -7121 Apr 30 j 14:38 | 0°♋       |            |                     | -7119 Dec 02 j 17:01 | 0°♊       |            |  |
|                     | -7121 May 27 j 12:45 | 0°♋       |            |                     | -7119 Dec 28 j 18:57 | 0°♊       |            |  |
|                     | -7121 Jun 22 j 00:16 | 0°♋       |            | asc. node           | -7118 Jan 06 j 21:42 | 10°♋00'14 |            |  |
|                     | -7121 Jul 16 j 15:22 | 0°♋       |            |                     | -7118 Jan 26 j 08:46 | 0°♋       |            |  |
| asc. node           | -7121 Jul 23 j 07:18 | 8°♋14'40  |            | evening max el      | -7118 Jan 27 j 00:10 | 0°♋37'07  | 45°05'56   |  |
|                     | -7121 Aug 09 j 17:43 | 0°♋       |            | greatest brilliancy | -7118 Mar 05 j 15:36 | 27°♋55'30 | -4.7m      |  |
|                     | -7121 Sep 02 j 13:22 | 0°♋       |            | retrograde          | -7118 Mar 16 j 02:45 | 29°♋53'13 |            |  |
|                     | -7121 Sep 26 j 07:28 | 0°♋       |            | evening set         | -7118 Apr 01 j 05:35 | 25°♋00'46 |            |  |
| morning set         | -7121 Oct 06 j 19:11 | 13°♋13'07 |            | inferior conj       | -7118 Apr 06 j 13:30 | 21°♋49'04 | 4°51'43    |  |
|                     | -7121 Oct 20 j 03:43 | 0°♋       |            | minimum elong       | -7118 Apr 06 j 22:01 | 21°♋35'50 | 4°49'28    |  |
| desc. node          | -7121 Nov 12 j 12:56 | 29°♋13'35 |            | min. Earth dist.    | -7118 Apr 07 j 15:03 | 21°♋09'24 | 0.29004 AU |  |
|                     | -7121 Nov 13 j 03:50 | 0°♌       |            | morning rise        | -7118 Apr 12 j 13:41 | 18°♋12'09 |            |  |
|                     |                      |           |            | direct              | -7118 Apr 28 j 10:03 | 13°♋26'14 |            |  |
| superior conj       | -7121 Nov 18 j 03:29 | 6°♌12'15  | -0°12'48   | desc. node          | -7118 Apr 29 j 09:18 | 13°♋27'19 |            |  |
| minimum elong       | -7121 Nov 18 j 00:06 | 6°♌01'44  | 0°12'39    | greatest brilliancy | -7118 May 09 j 16:04 | 15°♋40'52 | -4.7m      |  |
| behind sun begin    | -7121 Nov 17 j 07:03 | 5°♌08'43  |            |                     | -7118 Jun 01 j 06:39 | 0°♋       |            |  |
| behind sun end      | -7121 Nov 18 j 17:09 | 6°♌54'44  |            | morning max el      | -7118 Jun 17 j 00:11 | 14°♋17'05 | 46°19'18   |  |
| max. Earth dist.    | -7121 Nov 23 j 11:47 | 12°♌50'55 | 1.72146 AU |                     | -7118 Jul 02 j 06:43 | 0°♋       |            |  |
|                     | -7121 Dec 07 j 07:48 | 0°♌       |            |                     | -7118 Jul 28 j 22:30 | 0°♋       |            |  |
| evening rise        | -7121 Dec 28 j 22:05 | 26°♌40'16 |            | asc. node           | -7118 Aug 19 j 19:36 | 26°♋06'17 |            |  |
|                     | -7121 Dec 31 j 14:55 | 0°♌       |            |                     | -7118 Aug 23 j 00:27 | 0°♋       |            |  |
|                     | -7120 Jan 25 j 01:04 | 0°♌       |            |                     | -7118 Sep 16 j 08:38 | 0°♋       |            |  |
|                     | -7120 Feb 18 j 15:14 | 0°♌       |            |                     | -7118 Oct 10 j 09:51 | 0°♋       |            |  |
| asc. node           | -7120 Mar 03 j 18:51 | 17°♌08'07 |            |                     | -7118 Nov 03 j 10:47 | 0°♋       |            |  |
|                     | -7120 Mar 14 j 11:29 | 0°♌       |            |                     | -7118 Nov 27 j 14:45 | 0°♌       |            |  |
|                     | -7120 Apr 08 j 16:31 | 0°♋       |            | desc. node          | -7118 Dec 10 j 02:13 | 15°♌24'57 |            |  |
|                     | -7120 May 04 j 10:36 | 0°♋       |            |                     | -7118 Dec 21 j 22:10 | 0°♌       |            |  |
|                     | -7120 May 31 j 04:03 | 0°♋       |            | morning set         | -7118 Dec 22 j 13:53 | 0°♌48'21  |            |  |
| evening max el      | -7120 Jun 23 j 12:21 | 24°♋22'06 | 46°58'48   |                     | -7117 Jan 15 j 07:46 | 0°♌       |            |  |
| desc. node          | -7120 Jun 24 j 04:21 | 25°♋01'22 |            |                     |                      |           |            |  |
|                     | -7120 Jun 29 j 08:32 | 0°♌       |            | superior conj       | -7117 Jan 30 j 15:34 | 18°♌49'13 | -1°21'17   |  |
| greatest brilliancy | -7120 Aug 03 j 17:15 | 24°♌54'57 | -4.9m      | minimum elong       | -7117 Jan 30 j 13:02 | 18°♌41'28 | 1°21'44    |  |
| retrograde          | -7120 Aug 12 j 19:51 | 26°♌28'04 |            | max. Earth dist.    | -7117 Jan 30 j 22:26 | 19°♌10'19 | 1.73583 AU |  |
| evening set         | -7120 Aug 30 j 07:11 | 20°♌38'44 |            |                     | -7117 Feb 08 j 18:09 | 0°♌       |            |  |
| inferior conj       | -7120 Sep 02 j 10:51 | 18°♌44'29 | -8°23'06   |                     | -7117 Mar 05 j 04:44 | 0°♌       |            |  |
| minimum elong       | -7120 Sep 02 j 18:28 | 18°♌32'53 | 8°21'43    | evening rise        | -7117 Mar 08 j 05:01 | 3°♌41'41  |            |  |
| min. Earth dist.    | -7120 Sep 02 j 09:20 | 18°♌46'48 | 0.26554 AU | greatest brilliancy | -7117 Mar 09 j 15:13 | 5°♌26'32  | -3.9m      |  |
| morning rise        | -7120 Sep 06 j 05:47 | 16°♌28'22 |            |                     | -7117 Mar 29 j 15:53 | 0°♌       |            |  |
| direct              | -7120 Sep 22 j 17:36 | 11°♌10'49 |            | asc. node           | -7117 Apr 01 j 07:19 | 3°♌14'16  |            |  |
| greatest brilliancy | -7120 Oct 02 j 21:52 | 13°♌10'00 | -4.9m      |                     | -7117 Apr 23 j 04:15 | 0°♋       |            |  |
| asc. node           | -7120 Oct 14 j 15:45 | 19°♌27'52 |            |                     | -7117 May 17 j 18:40 | 0°♋       |            |  |
|                     | -7120 Oct 28 j 01:18 | 0°♌       |            |                     | -7117 Jun 11 j 12:38 | 0°♋       |            |  |
| morning max el      | -7120 Nov 12 j 04:24 | 14°♌25'15 | 46°35'16   |                     | -7117 Jul 06 j 13:24 | 0°♌       |            |  |
|                     | -7120 Nov 27 j 00:17 | 0°♌       |            | desc. node          | -7117 Jul 22 j 15:22 | 18°♌57'14 |            |  |
|                     | -7120 Dec 23 j 20:11 | 0°♌       |            |                     | -7117 Aug 01 j 04:06 | 0°♌       |            |  |
|                     | -7119 Jan 18 j 18:20 | 0°♌       |            |                     | -7117 Aug 28 j 03:01 | 0°♌       |            |  |
| desc. node          | -7119 Feb 04 j 01:46 | 19°♌08'22 |            | evening max el      | -7117 Sep 05 j 03:55 | 8°♌22'35  | 47°41'52   |  |
|                     | -7119 Feb 13 j 06:22 | 0°♌       |            |                     | -7117 Sep 28 j 17:51 | 0°♌       |            |  |
|                     | -7119 Mar 10 j 10:39 | 0°♌       |            | greatest brilliancy | -7117 Oct 16 j 03:16 | 10°♌28'08 | -4.9m      |  |
|                     | -7119 Apr 04 j 07:25 | 0°♌       |            | retrograde          | -7117 Oct 26 j 09:37 | 12°♌31'06 |            |  |
|                     | -7119 Apr 28 j 20:52 | 0°♌       |            | evening set         | -7117 Nov 10 j 02:30 | 8°♌06'13  |            |  |
| morning set         | -7119 May 10 j 20:10 | 14°♌45'05 |            | asc. node           | -7117 Nov 12 j 02:24 | 6°♌56'39  |            |  |
|                     | -7119 May 23 j 03:39 | 0°♋       |            | min. Earth dist.    | -7117 Nov 15 j 10:11 | 4°♌52'52  | 0.27359 AU |  |
| asc. node           | -7119 May 27 j 07:24 | 5°♋09'52  |            | inferior conj       | -7117 Nov 16 j 06:29 | 4°♌20'41  | 1°01'34    |  |
| max. Earth dist.    | -7119 Jun 11 j 16:02 | 24°♋19'19 | 1.71941 AU | minimum elong       | -7117 Nov 16 j 04:18 | 4°♌24'08  | 1°00'55    |  |
|                     |                      |           |            | morning rise        | -7117 Nov 22 j 06:57 | 0°♌41'47  |            |  |
| superior conj       | -7119 Jun 16 j 02:26 | 29°♋52'04 | 0°44'03    |                     | -7117 Nov 23 j 14:10 | 30°♋      |            |  |
| minimum elong       | -7119 Jun 15 j 18:33 | 29°♋27'25 | 0°43'55    | direct              | -7117 Dec 06 j 19:00 | 26°♋26'15 |            |  |
|                     | -7119 Jun 16 j 04:58 | 0°♋       |            | greatest brilliancy | -7117 Dec 15 j 21:47 | 28°♋00'13 | -4.8m      |  |
|                     | -7119 Jul 10 j 02:39 | 0°♋       |            |                     | -7117 Dec 20 j 20:46 | 0°♌       |            |  |
| evening rise        | -7119 Jul 23 j 13:35 | 16°♋55'32 |            | morning max el      | -7116 Jan 24 j 21:00 | 27°♌02'36 | 46°03'04   |  |
|                     | -7119 Aug 02 j 23:02 | 0°♌       |            |                     | -7116 Jan 27 j 22:06 | 0°♌       |            |  |
|                     | -7119 Aug 26 j 20:33 | 0°♌       |            |                     | -7116 Feb 25 j 15:59 | 0°♌       |            |  |
| desc. node          | -7119 Sep 16 j 13:04 | 25°♌50'26 |            | desc. node          | -7116 Mar 03 j 13:34 | 7°♌35'38  |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |                     |                     |                      |           |            |
|---------------------|----------------------|-----------|---------------------|---------------------|----------------------|-----------|------------|
|                     | -7116 Mar 23 j 10:14 | 0°♁       |                     |                     | -7114 Oct 27 j 10:43 | 0°♌       |            |
|                     | -7116 Apr 18 j 04:21 | 0°♊       | evening max el      |                     | -7114 Nov 14 j 23:15 | 19°♌42'53 | 46°26'40   |
|                     | -7116 May 13 j 06:00 | 0°♋       |                     |                     | -7114 Nov 25 j 14:26 | 0°♏       |            |
|                     | -7116 Jun 06 j 19:05 | 0°♌       | asc. node           |                     | -7114 Dec 09 j 13:08 | 11°♏36'52 |            |
| asc. node           | -7116 Jun 23 j 20:35 | 21°♌09'30 | greatest brilliancy |                     | -7114 Dec 23 j 20:36 | 19°♏53'28 | -4.8m      |
|                     | -7116 Jun 30 j 22:29 | 0°♍       | retrograde          |                     | -7113 Jan 04 j 00:35 | 22°♏12'44 |            |
| morning set         | -7116 Jul 19 j 07:30 | 23°♍04'40 | evening set         |                     | -7113 Jan 21 j 06:40 | 16°♏22'01 |            |
|                     | -7116 Jul 24 j 19:16 | 0°♎       | inferior conj       |                     | -7113 Jan 25 j 09:01 | 13°♏46'16 | 7°55'07    |
|                     | -7116 Aug 17 j 12:49 | 0°♏       | minimum elong       |                     | -7113 Jan 25 j 04:50 | 13°♏53'00 | 7°54'23    |
|                     |                      |           | min. Earth dist.    |                     | -7113 Jan 25 j 00:38 | 13°♏59'46 | 0.29327 AU |
| superior conj       | -7116 Aug 27 j 20:21 | 13°♏02'39 | 1°20'39             |                     | -7113 Jan 29 j 03:16 | 11°♏23'26 |            |
| minimum elong       | -7116 Aug 28 j 01:59 | 13°♏20'28 | 1°21'03             | direct              | -7113 Feb 16 j 00:13 | 5°♏19'39  |            |
| max. Earth dist.    | -7116 Aug 30 j 05:52 | 16°♏04'26 | 1.70764 AU          | greatest brilliancy | -7113 Feb 25 j 05:12 | 6°♏52'33  | -4.7m      |
|                     | -7116 Sep 10 j 06:31 | 0°♐       |                     |                     | -7113 Mar 31 j 10:02 | 0°♁       |            |
|                     | -7116 Oct 04 j 02:57 | 0°♑       | desc. node          |                     | -7113 Apr 01 j 00:43 | 0°♁33'26  |            |
| evening rise        | -7116 Oct 09 j 09:01 | 6°♑34'49  | morning max el      |                     | -7113 Apr 05 j 19:22 | 5°♁00'38  | 45°53'40   |
| desc. node          | -7116 Oct 14 j 01:54 | 12°♑27'47 |                     |                     | -7113 Apr 30 j 07:04 | 0°♊       |            |
|                     | -7116 Oct 28 j 03:21 | 0°♒       |                     |                     | -7113 May 27 j 02:28 | 0°♋       |            |
|                     | -7116 Nov 21 j 08:06 | 0°♌       |                     |                     | -7113 Jun 21 j 12:45 | 0°♌       |            |
|                     | -7116 Dec 15 j 17:59 | 0°♍       |                     |                     | -7113 Jul 16 j 03:12 | 0°♎       |            |
|                     | -7115 Jan 09 j 11:34 | 0°♏       | asc. node           |                     | -7113 Jul 22 j 09:28 | 7°♎44'58  |            |
| asc. node           | -7115 Feb 03 j 09:00 | 29°♏33'03 |                     |                     | -7113 Aug 09 j 05:13 | 0°♎       |            |
|                     | -7115 Feb 03 j 18:13 | 0°♊       |                     |                     | -7113 Sep 02 j 00:43 | 0°♏       |            |
|                     | -7115 Mar 01 j 23:47 | 0°♋       |                     |                     | -7113 Sep 25 j 18:44 | 0°♐       |            |
|                     | -7115 Mar 30 j 02:57 | 0°♌       | morning set         |                     | -7113 Oct 04 j 04:46 | 10°♐36'50 |            |
| evening max el      | -7115 Apr 08 j 12:10 | 9°♌11'19  | 45°21'38            |                     | -7113 Oct 19 j 14:55 | 0°♑       |            |
|                     | -7115 May 03 j 17:58 | 0°♍       | desc. node          |                     | -7113 Nov 11 j 15:05 | 28°♑45'41 |            |
| greatest brilliancy | -7115 May 17 j 03:35 | 6°♍52'04  | -4.8m               |                     | -7113 Nov 12 j 14:57 | 0°♒       |            |
| desc. node          | -7115 May 26 j 19:59 | 8°♍40'51  |                     |                     |                      |           |            |
| retrograde          | -7115 May 27 j 06:19 | 8°♍41'03  | superior conj       |                     | -7113 Nov 15 j 13:10 | 3°♒38'30  | -0°08'59   |
| evening set         | -7115 Jun 11 j 04:55 | 4°♍28'03  | minimum elong       |                     | -7113 Nov 15 j 10:46 | 3°♒31'04  | 0°08'51    |
| inferior conj       | -7115 Jun 17 j 05:40 | 1°♍00'16  | 4°52'33             | behind sun begin    | -7113 Nov 14 j 11:59 | 2°♒20'08  |            |
| minimum elong       | -7115 Jun 16 j 20:08 | 1°♍14'31  | 4°49'55             | behind sun end      | -7113 Nov 16 j 09:34 | 4°♒41'59  |            |
| min. Earth dist.    | -7115 Jun 17 j 12:20 | 0°♍50'17  | 0.27359 AU          | max. Earth dist.    | -7113 Nov 21 j 02:52 | 10°♒34'10 | 1.72079 AU |
|                     | -7115 Jun 18 j 22:02 | 30°♒♑     |                     |                     | -7113 Dec 06 j 18:50 | 0°♌       |            |
| morning rise        | -7115 Jun 22 j 10:54 | 27°♑57'58 |                     | evening rise        | -7113 Dec 26 j 12:02 | 24°♌21'23 |            |
| direct              | -7115 Jul 08 j 08:08 | 23°♑10'56 |                     |                     | -7113 Dec 31 j 01:55 | 0°♍       |            |
| greatest brilliancy | -7115 Jul 19 j 10:24 | 25°♑27'18 | -4.9m               |                     | -7112 Jan 24 j 12:07 | 0°♏       |            |
|                     | -7115 Jul 28 j 08:06 | 0°♒       |                     |                     | -7112 Feb 18 j 02:32 | 0°♊       |            |
| morning max el      | -7115 Aug 27 j 22:22 | 26°♒07'50 | 46°46'52            | asc. node           | -7112 Mar 02 j 20:56 | 16°♊39'36 |            |
|                     | -7115 Aug 31 j 16:30 | 0°♎       |                     |                     | -7112 Mar 13 j 23:17 | 0°♋       |            |
| asc. node           | -7115 Sep 16 j 07:03 | 16°♎57'08 |                     |                     | -7112 Apr 08 j 05:13 | 0°♌       |            |
|                     | -7115 Sep 27 j 17:18 | 0°♏       |                     |                     | -7112 May 04 j 00:58 | 0°♍       |            |
|                     | -7115 Oct 23 j 01:09 | 0°♐       |                     |                     | -7112 May 30 j 21:47 | 0°♎       |            |
|                     | -7115 Nov 16 j 19:52 | 0°♑       | evening max el      |                     | -7112 Jun 21 j 00:27 | 21°♎54'49 | 46°55'24   |
|                     | -7115 Dec 11 j 12:00 | 0°♒       | desc. node          |                     | -7112 Jun 23 j 06:36 | 24°♎06'59 |            |
|                     | -7114 Jan 05 j 04:43 | 0°♌       |                     |                     | -7112 Jun 29 j 12:06 | 0°♏       |            |
| desc. node          | -7114 Jan 06 j 15:20 | 1°♌45'02  | greatest brilliancy |                     | -7112 Aug 01 j 05:45 | 22°♏25'24 | -4.9m      |
|                     | -7114 Jan 29 j 21:35 | 0°♍       | retrograde          |                     | -7112 Aug 10 j 06:58 | 23°♏57'33 |            |
|                     | -7114 Feb 23 j 12:56 | 0°♏       | evening set         |                     | -7112 Aug 27 j 21:45 | 18°♏05'09 |            |
| morning set         | -7114 Mar 03 j 03:33 | 9°♏17'19  | inferior conj       |                     | -7112 Aug 30 j 22:54 | 16°♏14'47 | -8°31'28   |
|                     | -7114 Mar 20 j 01:36 | 0°♊       | minimum elong       |                     | -7112 Aug 31 j 05:47 | 16°♏04'17 | 8°30'16    |
| max. Earth dist.    | -7114 Apr 04 j 16:59 | 19°♊12'44 | 1.73527 AU          | min. Earth dist.    | -7112 Aug 30 j 21:56 | 16°♏16'15 | 0.26564 AU |
|                     |                      |           | morning rise        |                     | -7112 Sep 03 j 13:49 | 14°♏04'26 |            |
| superior conj       | -7114 Apr 07 j 19:33 | 23°♊02'11 | -0°46'04            | direct              | -7112 Sep 20 j 05:24 | 8°♏41'03  |            |
| minimum elong       | -7114 Apr 08 j 02:59 | 23°♊25'03 | 0°46'05             | greatest brilliancy | -7112 Sep 30 j 11:29 | 10°♏41'24 | -4.9m      |
|                     | -7114 Apr 13 j 11:11 | 0°♋       | asc. node           |                     | -7112 Oct 13 j 18:02 | 18°♏03'19 |            |
| asc. node           | -7114 Apr 28 j 20:22 | 18°♋59'24 |                     |                     | -7112 Oct 28 j 08:19 | 0°♐       |            |
|                     | -7114 May 07 j 17:58 | 0°♌       | morning max el      |                     | -7112 Nov 09 j 16:23 | 11°♐55'32 | 46°36'16   |
| evening rise        | -7114 May 13 j 06:50 | 6°♌51'27  |                     |                     | -7112 Nov 26 j 18:47 | 0°♑       |            |
|                     | -7114 May 31 j 22:35 | 0°♍       |                     |                     | -7112 Dec 23 j 11:02 | 0°♒       |            |
|                     | -7114 Jun 25 j 02:12 | 0°♎       |                     |                     | -7111 Jan 18 j 07:26 | 0°♌       |            |
|                     | -7114 Jul 19 j 06:40 | 0°♏       | desc. node          |                     | -7111 Feb 03 j 03:45 | 18°♌37'36 |            |
|                     | -7114 Aug 12 j 14:27 | 0°♐       |                     |                     | -7111 Feb 12 j 18:27 | 0°♍       |            |
| desc. node          | -7114 Aug 19 j 02:53 | 7°♐59'33  |                     |                     | -7111 Mar 09 j 22:06 | 0°♏       |            |
|                     | -7114 Sep 06 j 04:47 | 0°♑       |                     |                     | -7111 Apr 03 j 18:28 | 0°♊       |            |
|                     | -7114 Oct 01 j 07:06 | 0°♒       |                     |                     | -7111 Apr 28 j 07:43 | 0°♋       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 59

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                       |            |                     |                      |                           |            |
|---------------------|----------------------|-----------------------|------------|---------------------|----------------------|---------------------------|------------|
| morning set         | -7111 May 08 j 14:58 | 12° $\text{X}$ 41'31  |            | asc. node           | -7109 Nov 11 j 04:40 | 3° $\text{Q}$ 39'35       |            |
|                     | -7111 May 22 j 14:27 | 0° $\text{Y}$         |            | min. Earth dist.    | -7109 Nov 13 j 00:54 | 2° $\text{Q}$ 30'16       | 0.27294 AU |
| asc. node           | -7111 May 26 j 09:37 | 4° $\text{Y}$ 43'10   |            | inferior conj       | -7109 Nov 13 j 20:53 | 1° $\text{Q}$ 58'41       | 0°39'41    |
| max. Earth dist.    | -7111 Jun 09 j 09:27 | 22° $\text{Y}$ 09'49  | 1.72009 AU | minimum elong       | -7109 Nov 13 j 19:27 | 2° $\text{Q}$ 00'56       | 0°39'17    |
|                     |                      |                       |            |                     | -7109 Nov 17 j 00:59 | 30° $\text{R}$ $\text{M}$ |            |
| superior conj       | -7111 Jun 13 j 19:27 | 27° $\text{Y}$ 41'10  | 0°41'16    | morning rise        | -7109 Nov 19 j 22:32 | 28° $\text{M}$ 18'53      |            |
| minimum elong       | -7111 Jun 13 j 11:56 | 27° $\text{Y}$ 17'40  | 0°41'07    | direct              | -7109 Dec 04 j 08:56 | 24° $\text{M}$ 05'22      |            |
|                     | -7111 Jun 15 j 15:50 | 0° $\text{X}$         |            | greatest brilliancy | -7109 Dec 13 j 12:05 | 25° $\text{M}$ 40'15      | -4.8m      |
|                     | -7111 Jul 09 j 13:39 | 0° $\text{II}$        |            |                     | -7109 Dec 22 j 20:43 | 0° $\text{Q}$             |            |
| evening rise        | -7111 Jul 21 j 03:19 | 14° $\text{II}$ 33'00 |            | morning max el      | -7108 Jan 22 j 12:39 | 24° $\text{Q}$ 49'29      | 46°03'57   |
|                     | -7111 Aug 02 j 10:11 | 0° $\text{Q}$         |            |                     | -7108 Jan 27 j 19:33 | 0° $\text{M}$             |            |
|                     | -7111 Aug 26 j 07:53 | 0° $\text{Q}$         |            |                     | -7108 Feb 25 j 07:31 | 0° $\text{X}$             |            |
| desc. node          | -7111 Sep 15 j 15:09 | 25° $\text{Q}$ 21'03  |            | desc. node          | -7108 Mar 02 j 15:43 | 7° $\text{X}$ 00'26       |            |
|                     | -7111 Sep 19 j 08:52 | 0° $\text{M}$         |            |                     | -7108 Mar 22 j 23:29 | 0° $\text{Z}$             |            |
|                     | -7111 Oct 13 j 14:51 | 0° $\text{Q}$         |            |                     | -7108 Apr 17 j 16:28 | 0° $\approx$              |            |
|                     | -7111 Nov 07 j 04:14 | 0° $\text{M}$         |            |                     | -7108 May 12 j 17:30 | 0° $\text{X}$             |            |
|                     | -7111 Dec 02 j 06:22 | 0° $\text{X}$         |            |                     | -7108 Jun 06 j 06:15 | 0° $\text{Y}$             |            |
|                     | -7111 Dec 28 j 10:27 | 0° $\text{Z}$         |            | asc. node           | -7108 Jun 22 j 22:42 | 20° $\text{Y}$ 41'41      |            |
| asc. node           | -7110 Jan 05 j 23:52 | 9° $\text{Z}$ 20'51   |            |                     | -7108 Jun 30 j 09:31 | 0° $\text{X}$             |            |
| evening max el      | -7110 Jan 24 j 14:54 | 28° $\text{Z}$ 24'20  | 45°07'25   | morning set         | -7108 Jul 16 j 21:40 | 20° $\text{X}$ 43'29      |            |
|                     | -7110 Jan 26 j 06:56 | 0° $\approx$          |            |                     | -7108 Jul 24 j 06:16 | 0° $\text{II}$            |            |
| greatest brilliancy | -7110 Mar 03 j 06:47 | 25° $\approx$ 47'21   | -4.7m      |                     | -7108 Aug 16 j 23:52 | 0° $\text{Q}$             |            |
| retrograde          | -7110 Mar 13 j 19:21 | 27° $\approx$ 46'33   |            |                     |                      |                           |            |
| evening set         | -7110 Mar 30 j 00:15 | 22° $\approx$ 49'45   |            | superior conj       | -7108 Aug 25 j 07:05 | 10° $\text{Q}$ 29'46      | 1°21'33    |
| inferior conj       | -7110 Apr 04 j 05:54 | 19° $\approx$ 41'08   | 5°06'33    | minimum elong       | -7108 Aug 25 j 11:45 | 10° $\text{Q}$ 44'31      | 1°21'58    |
| minimum elong       | -7110 Apr 04 j 14:36 | 19° $\approx$ 27'37   | 5°04'18    | max. Earth dist.    | -7108 Aug 27 j 10:55 | 13° $\text{Q}$ 13'35      | 1.70764 AU |
| min. Earth dist.    | -7110 Apr 05 j 07:11 | 19° $\approx$ 01'52   | 0.29058 AU |                     | -7108 Sep 09 j 17:40 | 0° $\text{Q}$             |            |
| morning rise        | -7110 Apr 10 j 04:15 | 16° $\approx$ 06'50   |            |                     | -7108 Oct 03 j 14:11 | 0° $\text{M}$             |            |
| direct              | -7110 Apr 26 j 02:31 | 11° $\approx$ 17'16   |            | evening rise        | -7108 Oct 06 j 16:37 | 3° $\text{M}$ 53'12       |            |
| desc. node          | -7110 Apr 28 j 11:30 | 11° $\approx$ 23'41   |            | desc. node          | -7108 Oct 13 j 04:05 | 11° $\text{M}$ 59'31      |            |
| greatest brilliancy | -7110 May 07 j 08:14 | 13° $\approx$ 31'44   | -4.7m      |                     | -7108 Oct 27 j 14:38 | 0° $\text{Q}$             |            |
|                     | -7110 Jun 01 j 13:06 | 0° $\text{X}$         |            |                     | -7108 Nov 20 j 19:29 | 0° $\text{M}$             |            |
| morning max el      | -7110 Jun 14 j 16:34 | 12° $\text{X}$ 05'46  | 46°18'08   |                     | -7108 Dec 15 j 05:33 | 0° $\text{X}$             |            |
|                     | -7110 Jul 02 j 00:20 | 0° $\text{Y}$         |            |                     | -7107 Jan 08 j 23:35 | 0° $\text{Z}$             |            |
|                     | -7110 Jul 28 j 12:52 | 0° $\text{X}$         |            | asc. node           | -7107 Feb 02 j 11:06 | 29° $\text{Z}$ 01'17      |            |
| asc. node           | -7110 Aug 18 j 21:40 | 25° $\text{X}$ 32'40  |            |                     | -7107 Feb 03 j 07:13 | 0° $\approx$              |            |
|                     | -7110 Aug 22 j 13:26 | 0° $\text{II}$        |            |                     | -7107 Mar 01 j 14:53 | 0° $\text{X}$             |            |
|                     | -7110 Sep 15 j 20:53 | 0° $\text{Q}$         |            |                     | -7107 Mar 29 j 23:26 | 0° $\text{Y}$             |            |
|                     | -7110 Oct 09 j 21:39 | 0° $\text{Q}$         |            | evening max el      | -7107 Apr 06 j 03:20 | 6° $\text{Y}$ 57'44       | 45°19'25   |
|                     | -7110 Nov 02 j 22:16 | 0° $\text{M}$         |            |                     | -7107 May 05 j 00:43 | 0° $\text{X}$             |            |
|                     | -7110 Nov 27 j 02:00 | 0° $\text{Q}$         |            | greatest brilliancy | -7107 May 14 j 16:08 | 4° $\text{X}$ 32'15       | -4.8m      |
| desc. node          | -7110 Dec 09 j 04:22 | 14° $\text{Q}$ 57'12  |            | retrograde          | -7107 May 24 j 19:11 | 6° $\text{X}$ 21'05       |            |
| morning set         | -7110 Dec 20 j 02:17 | 28° $\text{Q}$ 24'42  |            | desc. node          | -7107 May 25 j 22:12 | 6° $\text{X}$ 19'38       |            |
|                     | -7110 Dec 21 j 09:14 | 0° $\text{M}$         |            | evening set         | -7107 Jun 08 j 16:08 | 2° $\text{X}$ 11'06       |            |
|                     | -7109 Jan 14 j 18:40 | 0° $\text{X}$         |            |                     | -7107 Jun 12 j 13:25 | 30° $\text{R}$ $\text{Y}$ |            |
| superior conj       | -7109 Jan 28 j 08:03 | 16° $\text{X}$ 39'17  | -1°20'47   | inferior conj       | -7107 Jun 14 j 18:58 | 28° $\text{Y}$ 40'08      | -4°33'15   |
| minimum elong       | -7109 Jan 28 j 04:50 | 16° $\text{X}$ 29'23  | 1°21'14    | minimum elong       | -7107 Jun 14 j 09:52 | 28° $\text{Y}$ 53'47      | 4°30'43    |
| max. Earth dist.    | -7109 Jan 28 j 17:04 | 17° $\text{X}$ 06'55  | 1.73557 AU | min. Earth dist.    | -7107 Jun 15 j 02:22 | 28° $\text{Y}$ 29'01      | 0.27400 AU |
|                     | -7109 Feb 08 j 04:57 | 0° $\text{Z}$         |            | morning rise        | -7107 Jun 20 j 03:06 | 25° $\text{Y}$ 33'28      |            |
|                     | -7109 Mar 04 j 15:33 | 0° $\approx$          |            | direct              | -7107 Jul 05 j 22:34 | 20° $\text{Y}$ 50'05      |            |
| evening rise        | -7109 Mar 05 j 23:45 | 1° $\approx$ 38'45    |            | greatest brilliancy | -7107 Jul 17 j 00:35 | 23° $\text{Y}$ 05'52      | -4.9m      |
| greatest brilliancy | -7109 Mar 08 j 06:19 | 4° $\approx$ 26'06    | -3.9m      |                     | -7107 Jul 29 j 12:44 | 0° $\text{X}$             |            |
|                     | -7109 Mar 29 j 02:49 | 0° $\text{X}$         |            | morning max el      | -7107 Aug 25 j 11:25 | 23° $\text{X}$ 41'43      | 46°46'19   |
| asc. node           | -7109 Mar 31 j 09:31 | 2° $\text{X}$ 47'29   |            |                     | -7107 Aug 31 j 13:19 | 0° $\text{II}$            |            |
|                     | -7109 Apr 22 j 15:30 | 0° $\text{Y}$         |            | asc. node           | -7107 Sep 15 j 09:24 | 16° $\text{II}$ 14'43     |            |
|                     | -7109 May 17 j 06:26 | 0° $\text{X}$         |            |                     | -7107 Sep 27 j 09:05 | 0° $\text{Q}$             |            |
|                     | -7109 Jun 11 j 01:10 | 0° $\text{II}$        |            |                     | -7107 Oct 22 j 14:59 | 0° $\text{Q}$             |            |
|                     | -7109 Jul 06 j 03:06 | 0° $\text{Q}$         |            |                     | -7107 Nov 16 j 08:40 | 0° $\text{M}$             |            |
| desc. node          | -7109 Jul 21 j 17:22 | 18° $\text{Q}$ 19'50  |            |                     | -7107 Dec 11 j 00:07 | 0° $\text{Q}$             |            |
|                     | -7109 Jul 31 j 19:51 | 0° $\text{Q}$         |            | desc. node          | -7106 Jan 04 j 16:20 | 0° $\text{M}$             |            |
|                     | -7109 Aug 27 j 23:23 | 0° $\text{M}$         |            |                     | -7106 Jan 05 j 17:20 | 1° $\text{M}$ 15'55       |            |
| evening max el      | -7109 Sep 02 j 19:18 | 6° $\text{M}$ 02'12   | 47°42'41   |                     | -7106 Jan 29 j 08:49 | 0° $\text{X}$             |            |
|                     | -7109 Sep 29 j 12:37 | 0° $\text{Q}$         |            | morning set         | -7106 Feb 22 j 23:55 | 0° $\text{Z}$             |            |
| greatest brilliancy | -7109 Oct 13 j 18:50 | 8° $\text{Q}$ 05'40   | -4.9m      |                     | -7106 Feb 28 j 21:37 | 7° $\text{Z}$ 12'31       |            |
| retrograde          | -7109 Oct 24 j 00:56 | 10° $\text{Q}$ 08'20  |            | max. Earth dist.    | -7106 Mar 19 j 12:27 | 0° $\approx$              |            |
| evening set         | -7109 Nov 07 j 17:17 | 5° $\text{Q}$ 43'16   |            |                     | -7106 Apr 02 j 13:16 | 17° $\approx$ 14'11       | 1.73556 AU |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                 |            |                     |                      |                                  |            |
|---------------------|----------------------|---------------------------------|------------|---------------------|----------------------|----------------------------------|------------|
| superior conj       | -7106 Apr 05 j 14:49 | 21° $\approx$ 00'24             | -0°48'30   | direct              | -7104 Sep 17 j 17:03 | 6° $\ominus$ 10'31               |            |
| minimum elong       | -7106 Apr 05 j 22:27 | 21° $\approx$ 23'52             | 0°48'32    | greatest brilliancy | -7104 Sep 28 j 01:04 | 8° $\ominus$ 12'24               | -4.9m      |
|                     | -7106 Apr 12 j 22:03 | 0° $\text{X}$                   |            | asc. node           | -7104 Oct 12 j 20:13 | 16° $\ominus$ 40'59              |            |
| asc. node           | -7106 Apr 27 j 22:34 | 18° $\text{X}$ 32'31            |            |                     | -7104 Oct 28 j 13:21 | 0° $\Omega$                      |            |
|                     | -7106 May 07 j 04:56 | 0° $\Upsilon$                   |            | morning max el      | -7104 Nov 07 j 04:59 | 9° $\Omega$ 26'54                | 46°37'28   |
| evening rise        | -7106 May 11 j 01:58 | 4° $\Upsilon$ 48'00             |            |                     | -7104 Nov 26 j 12:57 | 0° $\text{M}$                    |            |
|                     | -7106 May 31 j 09:45 | 0° $\text{X}$                   |            |                     | -7104 Dec 23 j 01:50 | 0° $\underline{\text{A}}$        |            |
|                     | -7106 Jun 24 j 13:39 | 0° $\text{II}$                  |            |                     | -7103 Jan 17 j 20:37 | 0° $\text{M}$                    |            |
|                     | -7106 Jul 18 j 18:29 | 0° $\ominus$                    |            | desc. node          | -7103 Feb 02 j 05:54 | 18° $\text{M}$ 06'52             |            |
|                     | -7106 Aug 12 j 02:47 | 0° $\Omega$                     |            |                     | -7103 Feb 12 j 06:42 | 0° $\text{X}$                    |            |
| desc. node          | -7106 Aug 18 j 05:03 | 7° $\Omega$ 27'56               |            |                     | -7103 Mar 09 j 09:46 | 0° $\text{Z}$                    |            |
|                     | -7106 Sep 05 j 17:52 | 0° $\text{M}$                   |            |                     | -7103 Apr 03 j 05:46 | 0° $\approx$                     |            |
|                     | -7106 Sep 30 j 21:29 | 0° $\underline{\text{A}}$       |            |                     | -7103 Apr 27 j 18:48 | 0° $\text{X}$                    |            |
|                     | -7106 Oct 27 j 03:54 | 0° $\text{M}$                   |            | morning set         | -7103 May 06 j 09:45 | 10° $\text{X}$ 37'10             |            |
| evening max el      | -7106 Nov 12 j 14:39 | 17° $\text{M}$ 26'16            | 46°29'58   |                     | -7103 May 22 j 01:29 | 0° $\Upsilon$                    |            |
|                     | -7106 Nov 25 j 17:33 | 0° $\text{X}$                   |            | asc. node           | -7103 May 25 j 11:40 | 4° $\Upsilon$ 15'14              |            |
| asc. node           | -7106 Dec 08 j 15:20 | 10° $\text{X}$ 25'33            |            | max. Earth dist.    | -7103 Jun 07 j 04:06 | 20° $\Upsilon$ 03'30             | 1.72075 AU |
| greatest brilliancy | -7106 Dec 21 j 14:49 | 17° $\text{X}$ 45'08            | -4.8m      |                     |                      |                                  |            |
| retrograde          | -7105 Jan 01 j 17:35 | 20° $\text{X}$ 03'36            |            | superior conj       | -7103 Jun 11 j 12:29 | 25° $\Upsilon$ 29'37             | 0°38'25    |
| evening set         | -7105 Jan 18 j 21:59 | 14° $\text{X}$ 16'05            |            | minimum elong       | -7103 Jun 11 j 05:23 | 25° $\Upsilon$ 07'25             | 0°38'17    |
| min. Earth dist.    | -7105 Jan 22 j 16:45 | 11° $\text{X}$ 52'31            | 0.29282 AU |                     | -7103 Jun 15 j 02:56 | 0° $\text{X}$                    |            |
| inferior conj       | -7105 Jan 23 j 02:13 | 11° $\text{X}$ 37'14            | 7°50'39    |                     | -7103 Jul 09 j 00:55 | 0° $\text{II}$                   |            |
| minimum elong       | -7105 Jan 22 j 21:27 | 11° $\text{X}$ 44'56            | 7°49'52    | evening rise        | -7103 Jul 18 j 17:20 | 12° $\text{II}$ 10'33            |            |
| morning rise        | -7105 Jan 26 j 21:12 | 9° $\text{X}$ 13'01             |            |                     | -7103 Aug 01 j 21:38 | 0° $\ominus$                     |            |
| direct              | -7105 Feb 13 j 16:36 | 3° $\text{X}$ 11'28             |            |                     | -7103 Aug 25 j 19:32 | 0° $\Omega$                      |            |
| greatest brilliancy | -7105 Feb 22 j 20:31 | 4° $\text{X}$ 43'15             | -4.7m      | desc. node          | -7103 Sep 14 j 17:23 | 24° $\Omega$ 51'14               |            |
| desc. node          | -7105 Mar 31 j 02:59 | 29° $\text{X}$ 42'50            |            |                     | -7103 Sep 18 j 20:43 | 0° $\text{M}$                    |            |
|                     | -7105 Mar 31 j 10:24 | 0° $\text{Z}$                   |            |                     | -7103 Oct 13 j 03:01 | 0° $\underline{\text{A}}$        |            |
| morning max el      | -7105 Apr 03 j 10:12 | 2° $\text{Z}$ 48'29             | 45°53'17   |                     | -7103 Nov 06 j 16:52 | 0° $\text{M}$                    |            |
|                     | -7105 Apr 29 j 23:21 | 0° $\approx$                    |            |                     | -7103 Dec 01 j 19:59 | 0° $\text{X}$                    |            |
|                     | -7105 May 26 j 16:09 | 0° $\text{X}$                   |            |                     | -7103 Dec 28 j 02:22 | 0° $\text{Z}$                    |            |
|                     | -7105 Jun 21 j 01:16 | 0° $\Upsilon$                   |            | asc. node           | -7102 Jan 05 j 01:59 | 8° $\text{Z}$ 40'20              |            |
|                     | -7105 Jul 15 j 15:07 | 0° $\text{X}$                   |            | evening max el      | -7102 Jan 22 j 06:33 | 26° $\text{Z}$ 13'10             | 45°08'53   |
| asc. node           | -7105 Jul 21 j 11:28 | 7° $\text{X}$ 14'32             |            |                     | -7102 Jan 26 j 06:18 | 0° $\approx$                     |            |
|                     | -7105 Aug 08 j 16:49 | 0° $\text{II}$                  |            | greatest brilliancy | -7102 Feb 28 j 21:55 | 23° $\approx$ 38'35              | -4.7m      |
|                     | -7105 Sep 01 j 12:08 | 0° $\ominus$                    |            | retrograde          | -7102 Mar 11 j 12:17 | 25° $\approx$ 39'15              |            |
|                     | -7105 Sep 25 j 06:04 | 0° $\Omega$                     |            | evening set         | -7102 Mar 27 j 19:06 | 20° $\approx$ 38'13              |            |
| morning set         | -7105 Oct 01 j 14:48 | 8° $\Omega$ 01'40               |            | inferior conj       | -7102 Apr 01 j 22:26 | 17° $\approx$ 32'33              | 5°20'47    |
|                     | -7105 Oct 19 j 02:10 | 0° $\text{M}$                   |            | minimum elong       | -7102 Apr 02 j 07:15 | 17° $\approx$ 18'51              | 5°18'35    |
| desc. node          | -7105 Nov 10 j 17:11 | 28° $\text{M}$ 17'25            |            | min. Earth dist.    | -7102 Apr 02 j 23:07 | 16° $\approx$ 54'12              | 0.29111 AU |
|                     | -7105 Nov 12 j 02:08 | 0° $\underline{\text{A}}$       |            | morning rise        | -7102 Apr 07 j 18:49 | 14° $\approx$ 01'02              |            |
|                     |                      |                                 |            | direct              | -7102 Apr 23 j 19:34 | 9° $\approx$ 07'47               |            |
| superior conj       | -7105 Nov 12 j 23:00 | 1° $\underline{\text{A}}$ 05'00 | -0°05'10   | desc. node          | -7102 Apr 27 j 13:40 | 9° $\approx$ 23'46               |            |
| minimum elong       | -7105 Nov 12 j 21:38 | 1° $\underline{\text{A}}$ 00'43 | 0°05'03    | greatest brilliancy | -7102 May 04 j 23:54 | 11° $\approx$ 21'23              | -4.7m      |
| behind sun begin    | -7105 Nov 11 j 19:50 | 29° $\text{M}$ 40'24            |            |                     | -7102 Jun 01 j 17:56 | 0° $\text{X}$                    |            |
| behind sun end      | -7105 Nov 13 j 23:26 | 2° $\underline{\text{A}}$ 21'02 |            | morning max el      | -7102 Jun 12 j 09:39 | 9° $\text{X}$ 55'29              | 46°16'56   |
| max. Earth dist.    | -7105 Nov 18 j 16:49 | 8° $\underline{\text{A}}$ 13'38 | 1.72015 AU |                     | -7102 Jul 01 j 17:56 | 0° $\Upsilon$                    |            |
|                     | -7105 Dec 06 j 05:59 | 0° $\text{M}$                   |            |                     | -7102 Jul 28 j 03:23 | 0° $\text{X}$                    |            |
| evening rise        | -7105 Dec 24 j 01:44 | 22° $\text{M}$ 01'16            |            | asc. node           | -7102 Aug 17 j 23:57 | 24° $\text{X}$ 59'06             |            |
|                     | -7105 Dec 30 j 13:04 | 0° $\text{X}$                   |            |                     | -7102 Aug 22 j 02:36 | 0° $\text{II}$                   |            |
|                     | -7104 Jan 23 j 23:22 | 0° $\text{Z}$                   |            |                     | -7102 Sep 15 j 09:21 | 0° $\ominus$                     |            |
|                     | -7104 Feb 17 j 14:01 | 0° $\approx$                    |            |                     | -7102 Oct 09 j 09:42 | 0° $\Omega$                      |            |
| asc. node           | -7104 Mar 01 j 23:11 | 16° $\approx$ 11'00             |            |                     | -7102 Nov 02 j 10:02 | 0° $\text{M}$                    |            |
|                     | -7104 Mar 13 j 11:18 | 0° $\text{X}$                   |            |                     | -7102 Nov 26 j 13:31 | 0° $\underline{\text{A}}$        |            |
|                     | -7104 Apr 07 j 18:14 | 0° $\Upsilon$                   |            | desc. node          | -7102 Dec 08 j 06:23 | 14° $\underline{\text{A}}$ 28'16 |            |
|                     | -7104 May 03 j 15:45 | 0° $\text{X}$                   |            | morning set         | -7102 Dec 17 j 14:55 | 26° $\underline{\text{A}}$ 00'51 |            |
|                     | -7104 May 30 j 16:10 | 0° $\text{II}$                  |            |                     | -7102 Dec 20 j 20:32 | 0° $\text{M}$                    |            |
| evening max el      | -7104 Jun 18 j 11:52 | 19° $\text{II}$ 25'23           | 46°51'58   |                     | -7101 Jan 14 j 05:47 | 0° $\text{X}$                    |            |
| desc. node          | -7104 Jun 22 j 08:41 | 23° $\text{II}$ 10'18           |            |                     |                      |                                  |            |
|                     | -7104 Jun 29 j 17:48 | 0° $\ominus$                    |            | superior conj       | -7101 Jan 26 j 00:41 | 14° $\text{X}$ 28'59             | -1°20'11   |
| greatest brilliancy | -7104 Jul 29 j 18:05 | 19° $\ominus$ 54'59             | -4.9m      | minimum elong       | -7101 Jan 25 j 20:47 | 14° $\text{X}$ 16'59             | 1°20'36    |
| retrograde          | -7104 Aug 07 j 18:23 | 21° $\ominus$ 26'41             |            | max. Earth dist.    | -7101 Jan 26 j 14:04 | 15° $\text{X}$ 10'04             | 1.73529 AU |
| evening set         | -7104 Aug 25 j 11:55 | 15° $\ominus$ 31'21             |            |                     | -7101 Feb 07 j 15:58 | 0° $\text{Z}$                    |            |
| inferior conj       | -7104 Aug 28 j 10:53 | 13° $\ominus$ 44'31             | -8°38'44   | evening rise        | -7101 Mar 03 j 18:39 | 29° $\text{Z}$ 35'38             |            |
| minimum elong       | -7104 Aug 28 j 16:59 | 13° $\ominus$ 35'13             | 8°37'43    |                     | -7101 Mar 04 j 02:36 | 0° $\approx$                     |            |
| min. Earth dist.    | -7104 Aug 28 j 10:26 | 13° $\ominus$ 45'12             | 0.26573 AU | greatest brilliancy | -7101 Mar 06 j 23:50 | 3° $\approx$ 32'15               | -3.9m      |
| morning rise        | -7104 Aug 31 j 22:01 | 11° $\ominus$ 39'51             |            |                     | -7101 Mar 28 j 14:04 | 0° $\text{X}$                    |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                     |                      |                       |            |
|---------------------|----------------------|---------------------------|------------|---------------------|----------------------|-----------------------|------------|
| asc. node           | -7101 Mar 30 j 11:43 | 2° $\text{H}$ 19'42       |            | asc. node           | -7099 Sep 14 j 11:35 | 15° $\text{II}$ 31'29 |            |
|                     | -7101 Apr 22 j 03:06 | 0° $\text{Y}$             |            |                     | -7099 Sep 27 j 00:57 | 0° $\text{G}$         |            |
|                     | -7101 May 16 j 18:34 | 0° $\text{B}$             |            |                     | -7099 Oct 22 j 04:57 | 0° $\text{Q}$         |            |
|                     | -7101 Jun 10 j 14:05 | 0° $\text{II}$            |            |                     | -7099 Nov 15 j 21:37 | 0° $\text{M}$         |            |
|                     | -7101 Jul 05 j 17:14 | 0° $\text{G}$             |            |                     | -7099 Dec 10 j 12:23 | 0° $\text{A}$         |            |
| desc. node          | -7101 Jul 20 j 19:34 | 17° $\text{G}$ 41'48      |            |                     | -7098 Jan 04 j 04:07 | 0° $\text{M}$         |            |
|                     | -7101 Jul 31 j 12:10 | 0° $\text{Q}$             |            | desc. node          | -7098 Jan 04 j 19:28 | 0° $\text{M}$ 46'39   |            |
|                     | -7101 Aug 27 j 20:47 | 0° $\text{M}$             |            |                     | -7098 Jan 28 j 20:14 | 0° $\text{A}$         |            |
| evening max el      | -7101 Aug 31 j 11:23 | 3° $\text{M}$ 42'36       | 47°43'18   |                     | -7098 Feb 22 j 11:04 | 0° $\text{Z}$         |            |
|                     | -7101 Sep 30 j 14:41 | 0° $\text{A}$             |            | morning set         | -7098 Feb 26 j 15:50 | 5° $\text{Z}$ 07'38   |            |
| greatest brilliancy | -7101 Oct 11 j 10:16 | 5° $\text{A}$ 41'55       | -4.9m      |                     | -7098 Mar 18 j 23:27 | 0° $\text{A}$         |            |
| retrograde          | -7101 Oct 21 j 16:17 | 7° $\text{A}$ 44'03       |            | max. Earth dist.    | -7098 Mar 31 j 09:38 | 15° $\text{A}$ 15'33  | 1.73581 AU |
| evening set         | -7101 Nov 05 j 08:13 | 3° $\text{A}$ 18'54       |            |                     |                      |                       |            |
| asc. node           | -7101 Nov 10 j 06:52 | 0° $\text{A}$ 19'58       |            | superior conj       | -7098 Apr 03 j 10:27 | 18° $\text{A}$ 59'28  | -0°50'50   |
| min. Earth dist.    | -7101 Nov 10 j 15:27 | 0° $\text{A}$ 06'26       | 0.27229 AU | minimum elong       | -7098 Apr 03 j 18:15 | 19° $\text{A}$ 23'27  | 0°50'54    |
|                     | -7101 Nov 10 j 19:31 | 30° $\text{R}$ $\text{M}$ |            |                     | -7098 Apr 12 j 09:01 | 0° $\text{H}$         |            |
| inferior conj       | -7101 Nov 11 j 11:10 | 29° $\text{M}$ 35'18      | 0°17'33    | asc. node           | -7098 Apr 27 j 00:40 | 18° $\text{H}$ 05'00  |            |
| minimum elong       | -7101 Nov 11 j 10:32 | 29° $\text{M}$ 36'18      | 0°17'24    |                     | -7098 May 06 j 16:00 | 0° $\text{Y}$         |            |
| morning rise        | -7101 Nov 17 j 13:51 | 25° $\text{M}$ 54'45      |            | evening rise        | -7098 May 08 j 21:32 | 2° $\text{Y}$ 45'37   |            |
| direct              | -7101 Dec 01 j 23:06 | 21° $\text{M}$ 43'21      |            |                     | -7098 May 30 j 21:02 | 0° $\text{B}$         |            |
| greatest brilliancy | -7101 Dec 11 j 01:57 | 23° $\text{M}$ 18'30      | -4.8m      |                     | -7098 Jun 24 j 01:16 | 0° $\text{II}$        |            |
|                     | -7101 Dec 24 j 05:29 | 0° $\text{A}$             |            |                     | -7098 Jul 18 j 06:34 | 0° $\text{G}$         |            |
| morning max el      | -7100 Jan 20 j 04:06 | 22° $\text{A}$ 35'01      | 46°04'57   |                     | -7098 Aug 11 j 15:25 | 0° $\text{Q}$         |            |
|                     | -7100 Jan 27 j 16:33 | 0° $\text{M}$             |            | desc. node          | -7098 Aug 17 j 07:17 | 6° $\text{Q}$ 55'41   |            |
|                     | -7100 Feb 24 j 23:03 | 0° $\text{A}$             |            |                     | -7098 Sep 05 j 07:16 | 0° $\text{M}$         |            |
| desc. node          | -7100 Mar 01 j 17:58 | 6° $\text{A}$ 25'12       |            |                     | -7098 Sep 30 j 12:13 | 0° $\text{A}$         |            |
|                     | -7100 Mar 22 j 12:51 | 0° $\text{Z}$             |            |                     | -7098 Oct 26 j 21:40 | 0° $\text{M}$         |            |
|                     | -7100 Apr 17 j 04:45 | 0° $\text{A}$             |            | evening max el      | -7098 Nov 10 j 05:17 | 15° $\text{M}$ 06'59  | 46°33'23   |
|                     | -7100 May 12 j 05:15 | 0° $\text{H}$             |            |                     | -7098 Nov 25 j 22:39 | 0° $\text{A}$         |            |
|                     | -7100 Jun 05 j 17:43 | 0° $\text{Y}$             |            | asc. node           | -7098 Dec 07 j 17:29 | 9° $\text{A}$ 11'38   |            |
| asc. node           | -7100 Jun 22 j 00:49 | 20° $\text{Y}$ 12'53      |            | greatest brilliancy | -7098 Dec 19 j 08:55 | 15° $\text{A}$ 35'53  | -4.8m      |
|                     | -7100 Jun 29 j 20:52 | 0° $\text{B}$             |            | retrograde          | -7098 Dec 30 j 10:34 | 17° $\text{A}$ 53'56  |            |
| morning set         | -7100 Jul 14 j 11:54 | 18° $\text{B}$ 21'40      |            | evening set         | -7097 Jan 16 j 13:06 | 12° $\text{A}$ 09'35  |            |
|                     | -7100 Jul 23 j 17:35 | 0° $\text{II}$            |            | inferior conj       | -7097 Jan 20 j 19:24 | 9° $\text{A}$ 27'38   | 7°45'39    |
|                     | -7100 Aug 16 j 11:13 | 0° $\text{G}$             |            | minimum elong       | -7097 Jan 20 j 14:04 | 9° $\text{A}$ 36'14   | 7°44'45    |
|                     |                      |                           |            | min. Earth dist.    | -7097 Jan 20 j 09:02 | 9° $\text{A}$ 44'23   | 0.29236 AU |
| superior conj       | -7100 Aug 22 j 18:00 | 7° $\text{G}$ 56'41       | 1°22'16    | morning rise        | -7097 Jan 24 j 15:17 | 7° $\text{A}$ 01'53   |            |
| minimum elong       | -7100 Aug 22 j 21:41 | 8° $\text{G}$ 08'19       | 1°22'43    | direct              | -7097 Feb 11 j 08:31 | 1° $\text{A}$ 02'33   |            |
| max. Earth dist.    | -7100 Aug 24 j 13:56 | 10° $\text{G}$ 15'30      | 1.70764 AU | greatest brilliancy | -7097 Feb 20 j 12:16 | 2° $\text{A}$ 33'54   | -4.7m      |
|                     | -7100 Sep 09 j 05:04 | 0° $\text{Q}$             |            | desc. node          | -7097 Mar 30 j 05:04 | 28° $\text{A}$ 52'29  |            |
|                     | -7100 Oct 03 j 01:40 | 0° $\text{M}$             |            |                     | -7097 Mar 31 j 09:48 | 0° $\text{Z}$         |            |
| evening rise        | -7100 Oct 04 j 00:09 | 1° $\text{M}$ 10'29       |            | morning max el      | -7097 Apr 01 j 01:21 | 0° $\text{Z}$ 36'48   | 45°53'12   |
| desc. node          | -7100 Oct 12 j 06:08 | 11° $\text{M}$ 29'58      |            |                     | -7097 Apr 29 j 15:23 | 0° $\text{A}$         |            |
|                     | -7100 Oct 27 j 02:13 | 0° $\text{A}$             |            |                     | -7097 May 26 j 05:43 | 0° $\text{H}$         |            |
|                     | -7100 Nov 20 j 07:08 | 0° $\text{M}$             |            |                     | -7097 Jun 20 j 13:42 | 0° $\text{Y}$         |            |
|                     | -7100 Dec 14 j 17:25 | 0° $\text{A}$             |            |                     | -7097 Jul 15 j 03:00 | 0° $\text{B}$         |            |
|                     | -7099 Jan 08 j 11:55 | 0° $\text{Z}$             |            | asc. node           | -7097 Jul 20 j 13:48 | 6° $\text{B}$ 45'04   |            |
| asc. node           | -7099 Feb 01 j 13:26 | 28° $\text{Z}$ 29'28      |            |                     | -7097 Aug 08 j 04:26 | 0° $\text{II}$        |            |
|                     | -7099 Feb 02 j 20:31 | 0° $\text{A}$             |            |                     | -7097 Aug 31 j 23:39 | 0° $\text{G}$         |            |
|                     | -7099 Mar 01 j 06:21 | 0° $\text{H}$             |            |                     | -7097 Sep 24 j 17:31 | 0° $\text{Q}$         |            |
|                     | -7099 Mar 29 j 20:46 | 0° $\text{Y}$             |            | morning set         | -7097 Sep 29 j 00:27 | 5° $\text{Q}$ 24'43   |            |
| evening max el      | -7099 Apr 03 j 17:52 | 4° $\text{Y}$ 42'17       | 45°17'11   |                     | -7097 Oct 18 j 13:32 | 0° $\text{M}$         |            |
|                     | -7099 May 06 j 21:49 | 0° $\text{B}$             |            | desc. node          | -7097 Nov 09 j 19:14 | 27° $\text{M}$ 48'35  |            |
| greatest brilliancy | -7099 May 12 j 05:16 | 2° $\text{B}$ 12'51       | -4.7m      |                     |                      |                       |            |
| retrograde          | -7099 May 22 j 07:43 | 4° $\text{B}$ 01'07       |            | superior conj       | -7097 Nov 10 j 08:16 | 28° $\text{M}$ 29'11  | -0°01'16   |
| desc. node          | -7099 May 25 j 00:17 | 3° $\text{B}$ 52'49       |            | minimum elong       | -7097 Nov 10 j 07:57 | 28° $\text{M}$ 28'11  | 0°01'11    |
|                     | -7099 Jun 05 j 22:48 | 30° $\text{R}$ $\text{Y}$ |            | behind sun begin    | -7097 Nov 09 j 05:03 | 27° $\text{M}$ 04'24  |            |
| evening set         | -7099 Jun 06 j 03:41 | 29° $\text{Y}$ 53'38      |            | behind sun end      | -7097 Nov 11 j 10:50 | 29° $\text{M}$ 51'57  |            |
| inferior conj       | -7099 Jun 12 j 08:27 | 26° $\text{Y}$ 19'58      | -4°13'39   |                     | -7097 Nov 11 j 13:25 | 0° $\text{A}$         |            |
| minimum elong       | -7099 Jun 11 j 23:50 | 26° $\text{Y}$ 32'56      | 4°11'12    | max. Earth dist.    | -7097 Nov 16 j 03:29 | 5° $\text{A}$ 42'30   | 1.71947 AU |
| min. Earth dist.    | -7099 Jun 12 j 16:59 | 26° $\text{Y}$ 07'07      | 0.27448 AU |                     | -7097 Dec 05 j 17:13 | 0° $\text{M}$         |            |
| morning rise        | -7099 Jun 17 j 19:21 | 23° $\text{Y}$ 08'59      |            | evening rise        | -7097 Dec 21 j 14:58 | 19° $\text{M}$ 39'25  |            |
| direct              | -7099 Jul 03 j 12:35 | 18° $\text{Y}$ 28'53      |            |                     | -7097 Dec 30 j 00:19 | 0° $\text{A}$         |            |
| greatest brilliancy | -7099 Jul 14 j 15:38 | 20° $\text{Y}$ 44'49      | -4.9m      |                     | -7096 Jan 23 j 10:41 | 0° $\text{Z}$         |            |
|                     | -7099 Jul 30 j 10:04 | 0° $\text{B}$             |            |                     | -7096 Feb 17 j 01:36 | 0° $\text{A}$         |            |
| morning max el      | -7099 Aug 22 j 23:59 | 21° $\text{B}$ 13'30      | 46°45'48   | asc. node           | -7096 Mar 01 j 01:21 | 15° $\text{A}$ 41'55  |            |
|                     | -7099 Aug 31 j 09:50 | 0° $\text{II}$            |            |                     | -7096 Mar 12 j 23:24 | 0° $\text{H}$         |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 62

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7096 Apr 07 j 07:18 | 0°♿       |            | desc. node          | -7094 Dec 07 j 08:32 | 14°♊00'24 |            |
|                     | -7096 May 03 j 06:36 | 0°♿       |            | morning set         | -7094 Dec 15 j 03:05 | 23°♊36'02 |            |
|                     | -7096 May 30 j 10:51 | 0°♿       |            |                     | -7094 Dec 20 j 07:38 | 0°♊       |            |
| evening max el      | -7096 Jun 15 j 23:48 | 16°♊58'03 | 46°48'36   |                     | -7093 Jan 13 j 16:45 | 0°♊       |            |
| desc. node          | -7096 Jun 21 j 10:55 | 22°♊13'21 |            |                     |                      |           |            |
|                     | -7096 Jun 30 j 01:22 | 0°♊       |            | superior conj       | -7093 Jan 23 j 16:39 | 12°♊17'02 | -1°19'26   |
| greatest brilliancy | -7096 Jul 27 j 05:41 | 17°♊24'33 | -4.9m      | minimum elong       | -7093 Jan 23 j 12:02 | 12°♊02'54 | 1°19'49    |
| retrograde          | -7096 Aug 05 j 06:18 | 18°♊56'37 |            | max. Earth dist.    | -7093 Jan 24 j 11:18 | 13°♊14'20 | 1.73500 AU |
| evening set         | -7096 Aug 23 j 01:45 | 12°♊58'30 |            |                     | -7093 Feb 07 j 02:50 | 0°♊       |            |
| inferior conj       | -7096 Aug 25 j 22:55 | 11°♊14'40 | -8°44'56   | evening rise        | -7093 Mar 01 j 13:02 | 27°♊31'23 |            |
| minimum elong       | -7096 Aug 26 j 04:11 | 11°♊06'41 | 8°44'03    |                     | -7093 Mar 03 j 13:30 | 0°♊       |            |
| min. Earth dist.    | -7096 Aug 25 j 22:36 | 11°♊15'10 | 0.26591 AU | greatest brilliancy | -7093 Mar 05 j 16:33 | 2°♊36'31  | -3.9m      |
| morning rise        | -7096 Aug 29 j 06:35 | 9°♊15'25  |            |                     | -7093 Mar 28 j 01:09 | 0°♊       |            |
| direct              | -7096 Sep 15 j 05:17 | 3°♊40'17  |            | asc. node           | -7093 Mar 29 j 13:47 | 1°♊52'05  |            |
| greatest brilliancy | -7096 Sep 25 j 14:28 | 5°♊43'26  | -4.9m      |                     | -7093 Apr 21 j 14:32 | 0°♊       |            |
| asc. node           | -7096 Oct 11 j 22:24 | 15°♊21'18 |            |                     | -7093 May 16 j 06:33 | 0°♊       |            |
|                     | -7096 Oct 28 j 16:42 | 0°♊       |            |                     | -7093 Jun 10 j 02:51 | 0°♊       |            |
| morning max el      | -7096 Nov 04 j 18:42 | 7°♊00'51  | 46°38'27   |                     | -7093 Jul 05 j 07:13 | 0°♊       |            |
|                     | -7096 Nov 26 j 06:48 | 0°♊       |            | desc. node          | -7093 Jul 19 j 21:51 | 17°♊04'36 |            |
|                     | -7096 Dec 22 j 16:31 | 0°♊       |            |                     | -7093 Jul 31 j 04:22 | 0°♊       |            |
|                     | -7095 Jan 17 j 09:44 | 0°♊       |            |                     | -7093 Aug 27 j 18:26 | 0°♊       |            |
| desc. node          | -7095 Feb 01 j 08:09 | 17°♊36'37 |            | evening max el      | -7093 Aug 29 j 03:32 | 1°♊24'30  | 47°43'49   |
|                     | -7095 Feb 11 j 18:52 | 0°♊       |            |                     | -7093 Oct 02 j 02:15 | 0°♊       |            |
|                     | -7095 Mar 08 j 21:21 | 0°♊       |            | greatest brilliancy | -7093 Oct 09 j 02:05 | 3°♊20'08  | -4.9m      |
|                     | -7095 Apr 02 j 16:59 | 0°♊       |            | retrograde          | -7093 Oct 19 j 07:28 | 5°♊21'03  |            |
|                     | -7095 Apr 27 j 05:48 | 0°♊       |            | evening set         | -7093 Nov 02 j 23:27 | 0°♊55'51  |            |
| morning set         | -7095 May 04 j 04:44 | 8°♊33'49  |            |                     | -7093 Nov 04 j 14:04 | 30°♊      |            |
|                     | -7095 May 21 j 12:25 | 0°♊       |            | min. Earth dist.    | -7093 Nov 08 j 06:16 | 27°♊43'47 | 0.27167 AU |
| asc. node           | -7095 May 24 j 13:50 | 3°♊48'01  |            | inferior conj       | -7093 Nov 09 j 01:33 | 27°♊13'20 | -0°04'40   |
| max. Earth dist.    | -7095 Jun 04 j 22:00 | 17°♊55'24 | 1.72133 AU | minimum elong       | -7093 Nov 09 j 01:43 | 27°♊13'04 | 0°04'32    |
|                     |                      |           |            | transit middle      | -7093 Nov 09 j 01:43 | 27°♊13'04 | 0°04'32    |
| superior conj       | -7095 Jun 09 j 05:55 | 23°♊19'49 | 0°35'33    | transit begin       | -7093 Nov 08 j 21:51 | 27°♊19'11 |            |
| minimum elong       | -7095 Jun 08 j 23:16 | 22°♊59'03 | 0°35'24    | transit end         | -7093 Nov 09 j 05:35 | 27°♊06'58 |            |
|                     | -7095 Jun 14 j 13:55 | 0°♊       |            | asc. node           | -7093 Nov 09 j 09:04 | 27°♊01'29 |            |
|                     | -7095 Jul 08 j 12:00 | 0°♊       |            | morning rise        | -7093 Nov 15 j 05:02 | 23°♊32'00 |            |
| evening rise        | -7095 Jul 16 j 07:57 | 9°♊50'38  |            | direct              | -7093 Nov 29 j 13:22 | 19°♊22'50 |            |
|                     | -7095 Aug 01 j 08:52 | 0°♊       |            | greatest brilliancy | -7093 Dec 08 j 16:09 | 20°♊58'06 | -4.8m      |
|                     | -7095 Aug 25 j 06:58 | 0°♊       |            |                     | -7093 Dec 25 j 04:26 | 0°♊       |            |
| desc. node          | -7095 Sep 13 j 19:25 | 24°♊21'13 |            | morning max el      | -7092 Jan 17 j 18:55 | 20°♊19'35 | 46°05'41   |
|                     | -7095 Sep 18 j 08:26 | 0°♊       |            |                     | -7092 Jan 27 j 12:35 | 0°♊       |            |
|                     | -7095 Oct 12 j 15:05 | 0°♊       |            |                     | -7092 Feb 24 j 14:09 | 0°♊       |            |
|                     | -7095 Nov 06 j 05:31 | 0°♊       |            | desc. node          | -7092 Feb 29 j 20:00 | 5°♊50'11  |            |
|                     | -7095 Dec 01 j 09:41 | 0°♊       |            |                     | -7092 Mar 22 j 01:55 | 0°♊       |            |
|                     | -7095 Dec 27 j 18:31 | 0°♊       |            |                     | -7092 Apr 16 j 16:47 | 0°♊       |            |
| asc. node           | -7094 Jan 04 j 04:21 | 8°♊00'05  |            |                     | -7092 May 11 j 16:43 | 0°♊       |            |
| evening max el      | -7094 Jan 19 j 22:47 | 24°♊03'23 | 45°10'32   |                     | -7092 Jun 05 j 04:54 | 0°♊       |            |
|                     | -7094 Jan 26 j 06:45 | 0°♊       |            | asc. node           | -7092 Jun 21 j 03:02 | 19°♊45'17 |            |
| greatest brilliancy | -7094 Feb 26 j 13:11 | 21°♊30'03 | -4.7m      |                     | -7092 Jun 29 j 07:55 | 0°♊       |            |
| retrograde          | -7094 Mar 09 j 04:58 | 23°♊31'42 |            | morning set         | -7092 Jul 12 j 02:09 | 16°♊00'46 |            |
| evening set         | -7094 Mar 25 j 13:53 | 18°♊26'42 |            |                     | -7092 Jul 23 j 04:36 | 0°♊       |            |
| inferior conj       | -7094 Mar 30 j 14:49 | 15°♊23'53 | 5°34'39    |                     | -7092 Aug 15 j 22:16 | 0°♊       |            |
| minimum elong       | -7094 Mar 30 j 23:41 | 15°♊10'04 | 5°32'29    |                     |                      |           |            |
| min. Earth dist.    | -7094 Mar 31 j 14:42 | 14°♊46'43 | 0.29159 AU | superior conj       | -7092 Aug 20 j 05:16 | 5°♊25'38  | 1°22'49    |
| morning rise        | -7094 Apr 05 j 09:02 | 11°♊55'15 |            | minimum elong       | -7092 Aug 20 j 07:59 | 5°♊34'11  | 1°23'17    |
| direct              | -7094 Apr 21 j 12:46 | 6°♊58'25  |            | max. Earth dist.    | -7092 Aug 21 j 13:36 | 7°♊07'49  | 1.70764 AU |
| desc. node          | -7094 Apr 26 j 15:50 | 7°♊28'02  |            |                     | -7092 Sep 08 j 16:10 | 0°♊       |            |
| greatest brilliancy | -7094 May 02 j 14:47 | 9°♊10'17  | -4.7m      | evening rise        | -7092 Oct 01 j 07:59 | 28°♊29'41 |            |
|                     | -7094 Jun 01 j 20:55 | 0°♊       |            |                     | -7092 Oct 02 j 12:48 | 0°♊       |            |
| morning max el      | -7094 Jun 10 j 02:33 | 7°♊45'24  | 46°15'51   | desc. node          | -7092 Oct 11 j 08:14 | 11°♊01'42 |            |
|                     | -7094 Jul 01 j 10:58 | 0°♊       |            |                     | -7092 Oct 26 j 13:23 | 0°♊       |            |
|                     | -7094 Jul 27 j 17:30 | 0°♊       |            |                     | -7092 Nov 19 j 18:25 | 0°♊       |            |
| asc. node           | -7094 Aug 17 j 02:07 | 24°♊26'14 |            |                     | -7092 Dec 14 j 04:56 | 0°♊       |            |
|                     | -7094 Aug 21 j 15:25 | 0°♊       |            |                     | -7091 Jan 07 j 23:57 | 0°♊       |            |
|                     | -7094 Sep 14 j 21:28 | 0°♊       |            | asc. node           | -7091 Jan 31 j 15:33 | 27°♊57'38 |            |
|                     | -7094 Oct 08 j 21:25 | 0°♊       |            |                     | -7091 Feb 02 j 09:39 | 0°♊       |            |
|                     | -7094 Nov 01 j 21:30 | 0°♊       |            |                     | -7091 Feb 28 j 21:49 | 0°♊       |            |
|                     | -7094 Nov 26 j 00:48 | 0°♊       |            |                     | -7091 Mar 29 j 18:42 | 0°♊       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 63

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                   |            |                     |  |                      |                          |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|--|----------------------|--------------------------|------------|
| evening max el      | -7091 Apr 01 j 07:36 | 2° $\Upsilon$ 25'34               | 45°15'06   |                     |  | -7089 Sep 24 j 04:44 | 0° $\Omega$              |            |
| greatest brilliancy | -7091 May 09 j 18:27 | 29° $\Upsilon$ 54'11              | -4.7m      | morning set         |  | -7089 Sep 26 j 10:05 | 2° $\Omega$ 48'19        |            |
|                     | -7091 May 10 j 01:18 | 0° $\mathcal{B}$                  |            |                     |  | -7089 Oct 18 j 00:42 | 0° $\mathfrak{M}$        |            |
| retrograde          | -7091 May 19 j 20:09 | 1° $\mathcal{B}$ 42'09            |            |                     |  |                      |                          |            |
| desc. node          | -7091 May 24 j 02:33 | 1° $\mathcal{B}$ 21'12            |            | superior conj       |  | -7089 Nov 07 j 17:27 | 25° $\mathfrak{M}$ 53'34 | 0°02'42    |
|                     | -7091 May 29 j 06:12 | 30° $\mathfrak{K}$ $\Upsilon$     |            | minimum elong       |  | -7089 Nov 07 j 18:11 | 25° $\mathfrak{M}$ 55'53 | 0°02'45    |
| evening set         | -7091 Jun 03 j 15:23 | 27° $\Upsilon$ 36'27              |            | behind sun begin    |  | -7089 Nov 06 j 15:24 | 24° $\mathfrak{M}$ 32'20 |            |
| inferior conj       | -7091 Jun 09 j 21:55 | 24° $\Upsilon$ 00'41              | -3°53'43   | behind sun end      |  | -7089 Nov 08 j 20:58 | 27° $\mathfrak{M}$ 19'24 |            |
| minimum elong       | -7091 Jun 09 j 13:50 | 24° $\Upsilon$ 12'52              | 3°51'21    | desc. node          |  | -7089 Nov 08 j 21:24 | 27° $\mathfrak{M}$ 20'44 |            |
| min. Earth dist.    | -7091 Jun 10 j 07:51 | 23° $\Upsilon$ 45'44              | 0.27497 AU |                     |  | -7089 Nov 11 j 00:31 | 0° $\mathcal{L}$         |            |
| morning rise        | -7091 Jun 15 j 11:29 | 20° $\Upsilon$ 45'38              |            | max. Earth dist.    |  | -7089 Nov 13 j 11:36 | 3° $\mathcal{L}$ 03'56   | 1.71879 AU |
| direct              | -7091 Jul 01 j 02:13 | 16° $\Upsilon$ 08'17              |            |                     |  | -7089 Dec 05 j 04:16 | 0° $\mathfrak{M}$        |            |
| greatest brilliancy | -7091 Jul 12 j 07:16 | 18° $\Upsilon$ 25'23              | -4.9m      | evening rise        |  | -7089 Dec 19 j 04:15 | 17° $\mathfrak{M}$ 18'21 |            |
|                     | -7091 Jul 31 j 01:38 | 0° $\mathcal{B}$                  |            |                     |  | -7089 Dec 29 j 11:19 | 0° $\mathcal{A}$         |            |
| morning max el      | -7091 Aug 20 j 12:35 | 18° $\mathcal{B}$ 46'14           | 46°45'21   |                     |  | -7088 Jan 22 j 21:46 | 0° $\mathcal{Z}$         |            |
|                     | -7091 Aug 31 j 05:25 | 0° $\mathfrak{I}$                 |            |                     |  | -7088 Feb 16 j 12:56 | 0° $\approx$             |            |
| asc. node           | -7091 Sep 13 j 13:41 | 14° $\mathfrak{I}$ 49'24          |            | asc. node           |  | -7088 Feb 29 j 03:29 | 15° $\approx$ 13'22      |            |
|                     | -7091 Sep 26 j 16:17 | 0° $\mathcal{E}$                  |            |                     |  | -7088 Mar 12 j 11:19 | 0° $\mathfrak{H}$        |            |
|                     | -7091 Oct 21 j 18:28 | 0° $\Omega$                       |            |                     |  | -7088 Apr 06 j 20:17 | 0° $\Upsilon$            |            |
|                     | -7091 Nov 15 j 10:07 | 0° $\mathfrak{M}$                 |            |                     |  | -7088 May 02 j 21:33 | 0° $\mathcal{B}$         |            |
|                     | -7091 Dec 10 j 00:13 | 0° $\mathcal{L}$                  |            |                     |  | -7088 May 30 j 06:00 | 0° $\mathfrak{I}$        |            |
| desc. node          | -7090 Jan 03 j 21:40 | 0° $\mathfrak{M}$ 18'48           |            | evening max el      |  | -7088 Jun 13 j 12:49 | 14° $\mathfrak{I}$ 33'37 | 46°45'09   |
|                     | -7090 Jan 03 j 15:29 | 0° $\mathfrak{M}$                 |            | desc. node          |  | -7088 Jun 20 j 13:09 | 21° $\mathfrak{I}$ 15'10 |            |
|                     | -7090 Jan 28 j 07:16 | 0° $\mathcal{A}$                  |            |                     |  | -7088 Jun 30 j 11:38 | 0° $\mathcal{E}$         |            |
|                     | -7090 Feb 21 j 21:54 | 0° $\mathcal{Z}$                  |            | greatest brilliancy |  | -7088 Jul 24 j 16:35 | 14° $\mathcal{E}$ 53'20  | -4.9m      |
| morning set         | -7090 Feb 24 j 09:53 | 3° $\mathcal{Z}$ 03'08            |            | retrograde          |  | -7088 Aug 02 j 18:33 | 16° $\mathcal{E}$ 26'20  |            |
|                     | -7090 Mar 18 j 10:12 | 0° $\approx$                      |            | evening set         |  | -7088 Aug 20 j 15:05 | 10° $\mathcal{E}$ 25'58  |            |
| max. Earth dist.    | -7090 Mar 29 j 05:42 | 13° $\approx$ 16'48               | 1.73612 AU | inferior conj       |  | -7088 Aug 23 j 10:47 | 8° $\mathcal{L}$ 44'32   | -8°50'07   |
|                     |                      |                                   |            | minimum elong       |  | -7088 Aug 23 j 15:12 | 8° $\mathcal{E}$ 37'53   | 8°49'21    |
| superior conj       | -7090 Apr 01 j 05:54 | 16° $\approx$ 58'42               | -0°53'08   | min. Earth dist.    |  | -7088 Aug 23 j 10:16 | 8° $\mathcal{E}$ 45'20   | 0.26607 AU |
| minimum elong       | -7090 Apr 01 j 13:49 | 17° $\approx$ 23'04               | 0°53'12    | morning rise        |  | -7088 Aug 26 j 15:16 | 6° $\mathcal{E}$ 50'17   |            |
|                     | -7090 Apr 11 j 19:46 | 0° $\mathfrak{H}$                 |            | direct              |  | -7088 Sep 12 j 17:55 | 1° $\mathcal{E}$ 10'01   |            |
| asc. node           | -7090 Apr 26 j 02:49 | 17° $\mathfrak{H}$ 38'20          |            | greatest brilliancy |  | -7088 Sep 23 j 03:06 | 3° $\mathcal{E}$ 13'38   | -4.9m      |
|                     | -7090 May 06 j 02:50 | 0° $\Upsilon$                     |            | asc. node           |  | -7088 Oct 11 j 00:42 | 14° $\mathcal{E}$ 04'31  |            |
| evening rise        | -7090 May 06 j 16:50 | 0° $\Upsilon$ 43'15               |            |                     |  | -7088 Oct 28 j 18:28 | 0° $\Omega$              |            |
|                     | -7090 May 30 j 08:06 | 0° $\mathcal{B}$                  |            | morning max el      |  | -7088 Nov 02 j 09:03 | 4° $\Omega$ 36'42        | 46°39'25   |
|                     | -7090 Jun 23 j 12:41 | 0° $\mathfrak{I}$                 |            |                     |  | -7088 Nov 26 j 00:09 | 0° $\mathfrak{M}$        |            |
|                     | -7090 Jul 17 j 18:25 | 0° $\mathcal{E}$                  |            |                     |  | -7088 Dec 22 j 06:56 | 0° $\mathcal{L}$         |            |
|                     | -7090 Aug 11 j 03:50 | 0° $\Omega$                       |            |                     |  | -7087 Jan 16 j 22:39 | 0° $\mathfrak{M}$        |            |
| desc. node          | -7090 Aug 16 j 09:19 | 6° $\Omega$ 23'30                 |            | desc. node          |  | -7087 Jan 31 j 10:07 | 17° $\mathfrak{M}$ 05'56 |            |
|                     | -7090 Sep 04 j 20:29 | 0° $\mathfrak{M}$                 |            |                     |  | -7087 Feb 11 j 06:52 | 0° $\mathcal{A}$         |            |
|                     | -7090 Sep 30 j 02:50 | 0° $\mathcal{L}$                  |            |                     |  | -7087 Mar 08 j 08:46 | 0° $\mathcal{Z}$         |            |
|                     | -7090 Oct 26 j 15:28 | 0° $\mathfrak{M}$                 |            |                     |  | -7087 Apr 02 j 04:02 | 0° $\approx$             |            |
| evening max el      | -7090 Nov 07 j 20:02 | 12° $\mathfrak{M}$ 49'01          | 46°36'59   |                     |  | -7087 Apr 26 j 16:41 | 0° $\mathfrak{H}$        |            |
|                     | -7090 Nov 26 j 05:20 | 0° $\mathcal{A}$                  |            | morning set         |  | -7087 May 01 j 24:00 | 6° $\mathfrak{H}$ 31'45  |            |
| asc. node           | -7090 Dec 06 j 19:50 | 7° $\mathcal{A}$ 57'09            |            |                     |  | -7087 May 20 j 23:17 | 0° $\Upsilon$            |            |
| greatest brilliancy | -7090 Dec 17 j 02:36 | 13° $\mathcal{A}$ 27'18           | -4.8m      | asc. node           |  | -7087 May 23 j 16:03 | 3° $\Upsilon$ 21'08      |            |
| retrograde          | -7090 Dec 28 j 03:59 | 15° $\mathcal{A}$ 45'47           |            | max. Earth dist.    |  | -7087 Jun 02 j 14:23 | 15° $\Upsilon$ 42'47     | 1.72199 AU |
| evening set         | -7089 Jan 14 j 04:14 | 10° $\mathcal{A}$ 04'29           |            |                     |  |                      |                          |            |
| min. Earth dist.    | -7089 Jan 18 j 01:19 | 7° $\mathcal{A}$ 37'46            | 0.29189 AU | superior conj       |  | -7087 Jun 06 j 23:28 | 21° $\Upsilon$ 10'34     | 0°32'39    |
| inferior conj       | -7089 Jan 18 j 12:43 | 7° $\mathcal{A}$ 19'24            | 7°39'56    | minimum elong       |  | -7087 Jun 06 j 17:18 | 20° $\Upsilon$ 51'18     | 0°32'29    |
| minimum elong       | -7089 Jan 18 j 06:52 | 7° $\mathcal{A}$ 28'50            | 7°38'56    |                     |  | -7087 Jun 14 j 00:53 | 0° $\mathcal{B}$         |            |
| morning rise        | -7089 Jan 22 j 09:44 | 4° $\mathcal{A}$ 51'55            |            |                     |  | -7087 Jul 07 j 23:07 | 0° $\mathfrak{I}$        |            |
|                     | -7089 Feb 01 j 15:37 | 30° $\mathfrak{K}$ $\mathfrak{M}$ |            | evening rise        |  | -7087 Jul 13 j 22:30 | 7° $\mathfrak{I}$ 30'24  |            |
| direct              | -7089 Feb 09 j 00:23 | 28° $\mathfrak{M}$ 54'53          |            |                     |  | -7087 Jul 31 j 20:11 | 0° $\mathcal{E}$         |            |
|                     | -7089 Feb 16 j 16:57 | 0° $\mathcal{A}$                  |            |                     |  | -7087 Aug 24 j 18:30 | 0° $\Omega$              |            |
| greatest brilliancy | -7089 Feb 18 j 04:09 | 0° $\mathcal{A}$ 26'05            | -4.7m      | desc. node          |  | -7087 Sep 12 j 21:33 | 23° $\Omega$ 51'22       |            |
| desc. node          | -7089 Mar 29 j 07:15 | 28° $\mathcal{A}$ 04'14           |            |                     |  | -7087 Sep 17 j 20:14 | 0° $\mathfrak{M}$        |            |
| morning max el      | -7089 Mar 29 j 17:24 | 28° $\mathcal{A}$ 28'17           | 45°52'57   |                     |  | -7087 Oct 12 j 03:14 | 0° $\mathcal{L}$         |            |
|                     | -7089 Mar 31 j 07:51 | 0° $\mathcal{Z}$                  |            |                     |  | -7087 Nov 05 j 18:14 | 0° $\mathfrak{M}$        |            |
|                     | -7089 Apr 29 j 06:56 | 0° $\approx$                      |            |                     |  | -7087 Nov 30 j 23:30 | 0° $\mathcal{A}$         |            |
|                     | -7089 May 25 j 19:01 | 0° $\mathfrak{H}$                 |            |                     |  | -7087 Dec 27 j 10:56 | 0° $\mathcal{Z}$         |            |
|                     | -7089 Jun 20 j 01:57 | 0° $\Upsilon$                     |            | asc. node           |  | -7086 Jan 03 j 06:31 | 7° $\mathcal{Z}$ 18'57   |            |
|                     | -7089 Jul 14 j 14:42 | 0° $\mathcal{B}$                  |            | evening max el      |  | -7086 Jan 17 j 15:33 | 21° $\mathcal{Z}$ 54'58  | 45°12'19   |
| asc. node           | -7089 Jul 19 j 15:55 | 6° $\mathcal{B}$ 15'32            |            |                     |  | -7086 Jan 26 j 08:23 | 0° $\approx$             |            |
|                     | -7089 Aug 07 j 15:53 | 0° $\mathfrak{I}$                 |            | greatest brilliancy |  | -7086 Feb 24 j 05:23 | 19° $\approx$ 23'21      | -4.7m      |
|                     | -7089 Aug 31 j 10:58 | 0° $\mathcal{E}$                  |            | retrograde          |  | -7086 Mar 06 j 21:41 | 21° $\approx$ 25'14      |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 64

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                                |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|--------------------------------|------------|
| evening set         | -7086 Mar 23 j 09:02 | 16° $\approx$ 16'34            |            | superior conj       | -7084 Aug 17 j 16:52 | 2° $\approx$ 54'54             | 1°23'11    |
| inferior conj       | -7086 Mar 28 j 07:36 | 13° $\approx$ 16'32            | 5°47'53    | minimum elong       | -7084 Aug 17 j 18:35 | 3° $\approx$ 00'18             | 1°23'39    |
| minimum elong       | -7086 Mar 28 j 16:28 | 13° $\approx$ 02'40            | 5°45'47    | max. Earth dist.    | -7084 Aug 18 j 13:25 | 3° $\approx$ 59'51             | 1.70780 AU |
| min. Earth dist.    | -7086 Mar 29 j 06:41 | 12° $\approx$ 40'30            | 0.29201 AU |                     | -7084 Sep 08 j 03:34 | 0° $\Omega$                    |            |
| morning rise        | -7086 Apr 02 j 23:31 | 9° $\approx$ 50'43             |            | evening rise        | -7084 Sep 28 j 15:36 | 25° $\Omega$ 47'03             |            |
| direct              | -7086 Apr 19 j 06:15 | 4° $\approx$ 50'35             |            |                     | -7084 Oct 02 j 00:18 | 0° $\Pi$                       |            |
| desc. node          | -7086 Apr 25 j 18:02 | 5° $\approx$ 37'34             |            | desc. node          | -7084 Oct 10 j 10:26 | 10° $\Pi$ 32'33                |            |
| greatest brilliancy | -7086 Apr 30 j 05:39 | 7° $\approx$ 00'06             | -4.7m      |                     | -7084 Oct 26 j 00:58 | 0° $\underline{\Omega}$        |            |
|                     | -7086 Jun 01 j 22:19 | 0° $\text{X}$                  |            |                     | -7084 Nov 19 j 06:06 | 0° $\Pi$                       |            |
| morning max el      | -7086 Jun 07 j 18:53 | 5° $\text{X}$ 34'19            | 46°14'30   |                     | -7084 Dec 13 j 16:52 | 0° $\text{X}$                  |            |
|                     | -7086 Jul 01 j 03:40 | 0° $\Upsilon$                  |            |                     | -7083 Jan 07 j 12:25 | 0° $\text{Z}$                  |            |
|                     | -7086 Jul 27 j 07:35 | 0° $\text{B}$                  |            | asc. node           | -7083 Jan 30 j 17:41 | 27° $\text{Z}$ 24'44           |            |
| asc. node           | -7086 Aug 16 j 04:11 | 23° $\text{B}$ 52'41           |            |                     | -7083 Feb 01 j 23:13 | 0° $\approx$                   |            |
|                     | -7086 Aug 21 j 04:20 | 0° $\Pi$                       |            |                     | -7083 Feb 28 j 13:51 | 0° $\text{X}$                  |            |
|                     | -7086 Sep 14 j 09:46 | 0° $\approx$                   |            |                     | -7083 Mar 29 j 17:48 | 0° $\Upsilon$                  |            |
|                     | -7086 Oct 08 j 09:20 | 0° $\Omega$                    |            | evening max el      | -7083 Mar 29 j 21:15 | 0° $\Upsilon$ 08'10            | 45°13'17   |
|                     | -7086 Nov 01 j 09:09 | 0° $\Pi$                       |            | greatest brilliancy | -7083 May 07 j 07:29 | 27° $\Upsilon$ 35'25           | -4.7m      |
|                     | -7086 Nov 25 j 12:14 | 0° $\underline{\Omega}$        |            | retrograde          | -7083 May 17 j 09:12 | 29° $\Upsilon$ 23'55           |            |
| desc. node          | -7086 Dec 06 j 10:40 | 13° $\underline{\Omega}$ 32'03 |            | desc. node          | -7083 May 23 j 04:45 | 28° $\Upsilon$ 44'50           |            |
| morning set         | -7086 Dec 12 j 15:07 | 21° $\underline{\Omega}$ 10'21 |            | evening set         | -7083 Jun 01 j 03:39 | 25° $\Upsilon$ 19'21           |            |
|                     | -7086 Dec 19 j 18:52 | 0° $\Pi$                       |            | inferior conj       | -7083 Jun 07 j 11:42 | 21° $\Upsilon$ 41'54           | -3°33'30   |
|                     | -7085 Jan 13 j 03:50 | 0° $\text{X}$                  |            | minimum elong       | -7083 Jun 07 j 04:11 | 21° $\Upsilon$ 53'12           | 3°31'17    |
|                     |                      |                                |            | min. Earth dist.    | -7083 Jun 07 j 22:52 | 21° $\Upsilon$ 25'06           | 0.27546 AU |
| superior conj       | -7085 Jan 21 j 08:35 | 10° $\text{X}$ 04'35           | -1°18'34   | morning rise        | -7083 Jun 13 j 03:51 | 18° $\Upsilon$ 23'13           |            |
| minimum elong       | -7085 Jan 21 j 03:19 | 9° $\text{X}$ 48'23            | 1°18'56    | direct              | -7083 Jun 28 j 16:15 | 13° $\Upsilon$ 48'07           |            |
| max. Earth dist.    | -7085 Jan 22 j 08:54 | 11° $\text{X}$ 19'18           | 1.73465 AU | greatest brilliancy | -7083 Jul 09 j 23:20 | 16° $\Upsilon$ 06'53           | -4.9m      |
|                     | -7085 Feb 06 j 13:50 | 0° $\text{Z}$                  |            |                     | -7083 Jul 31 j 13:21 | 0° $\text{B}$                  |            |
| evening rise        | -7085 Feb 27 j 07:32 | 25° $\text{Z}$ 27'09           |            | morning max el      | -7083 Aug 18 j 02:03 | 16° $\text{B}$ 21'03           | 46°44'48   |
|                     | -7085 Mar 03 j 00:31 | 0° $\approx$                   |            |                     | -7083 Aug 31 j 00:37 | 0° $\Pi$                       |            |
| greatest brilliancy | -7085 Mar 04 j 11:05 | 1° $\approx$ 45'58             | -3.9m      | asc. node           | -7083 Sep 12 j 16:01 | 14° $\Pi$ 07'58                |            |
|                     | -7085 Mar 27 j 12:20 | 0° $\text{X}$                  |            |                     | -7083 Sep 26 j 07:38 | 0° $\approx$                   |            |
| asc. node           | -7085 Mar 28 j 16:02 | 1° $\text{X}$ 24'43            |            |                     | -7083 Oct 21 j 08:12 | 0° $\Omega$                    |            |
|                     | -7085 Apr 21 j 02:03 | 0° $\Upsilon$                  |            |                     | -7083 Nov 14 j 22:57 | 0° $\Pi$                       |            |
|                     | -7085 May 15 j 18:37 | 0° $\text{B}$                  |            |                     | -7083 Dec 09 j 12:27 | 0° $\underline{\Omega}$        |            |
|                     | -7085 Jun 09 j 15:46 | 0° $\Pi$                       |            | desc. node          | -7082 Jan 02 j 23:40 | 29° $\underline{\Omega}$ 49'03 |            |
|                     | -7085 Jul 04 j 21:31 | 0° $\approx$                   |            |                     | -7082 Jan 03 j 03:16 | 0° $\Pi$                       |            |
| desc. node          | -7085 Jul 18 j 23:52 | 16° $\approx$ 25'40            |            |                     | -7082 Jan 27 j 18:42 | 0° $\text{X}$                  |            |
|                     | -7085 Jul 30 j 21:09 | 0° $\Omega$                    |            |                     | -7082 Feb 21 j 09:06 | 0° $\text{Z}$                  |            |
| evening max el      | -7085 Aug 26 j 19:03 | 29° $\Omega$ 03'23             | 47°43'53   | morning set         | -7082 Feb 22 j 03:29 | 0° $\text{Z}$ 56'09            |            |
|                     | -7085 Aug 27 j 17:25 | 0° $\Pi$                       |            |                     | -7082 Mar 17 j 21:16 | 0° $\approx$                   |            |
|                     | -7085 Oct 04 j 10:45 | 0° $\underline{\Omega}$        |            | max. Earth dist.    | -7082 Mar 27 j 03:18 | 11° $\approx$ 21'43            | 1.73638 AU |
| greatest brilliancy | -7085 Oct 06 j 18:18 | 0° $\underline{\Omega}$ 56'46  | -4.9m      |                     |                      |                                |            |
| retrograde          | -7085 Oct 16 j 21:50 | 2° $\underline{\Omega}$ 55'30  |            | superior conj       | -7082 Mar 30 j 01:12 | 14° $\approx$ 56'32            | -0°55'21   |
|                     | -7085 Oct 28 j 17:47 | 30° $\text{R}$ $\Pi$           |            | minimum elong       | -7082 Mar 30 j 09:13 | 15° $\approx$ 21'10            | 0°55'26    |
| evening set         | -7085 Oct 31 j 14:32 | 28° $\Pi$ 30'15                |            |                     | -7082 Apr 11 j 06:49 | 0° $\text{X}$                  |            |
| min. Earth dist.    | -7085 Nov 05 j 21:13 | 25° $\Pi$ 18'15                | 0.27105 AU | asc. node           | -7082 Apr 25 j 05:01 | 17° $\text{X}$ 10'46           |            |
| inferior conj       | -7085 Nov 06 j 15:37 | 24° $\Pi$ 49'11                | -0°27'13   | evening rise        | -7082 May 04 j 12:18 | 28° $\text{X}$ 40'32           |            |
| minimum elong       | -7085 Nov 06 j 16:35 | 24° $\Pi$ 47'38                | 0°26'49    |                     | -7082 May 05 j 14:01 | 0° $\Upsilon$                  |            |
| asc. node           | -7085 Nov 08 j 11:20 | 23° $\Pi$ 40'32                |            |                     | -7082 May 29 j 19:29 | 0° $\text{B}$                  |            |
| morning rise        | -7085 Nov 12 j 19:40 | 21° $\Pi$ 07'06                |            |                     | -7082 Jun 23 j 00:24 | 0° $\Pi$                       |            |
| direct              | -7085 Nov 27 j 02:52 | 17° $\Pi$ 00'05                |            |                     | -7082 Jul 17 j 06:33 | 0° $\approx$                   |            |
| greatest brilliancy | -7085 Dec 06 j 06:32 | 18° $\Pi$ 35'56                | -4.8m      |                     | -7082 Aug 10 j 16:31 | 0° $\Omega$                    |            |
|                     | -7085 Dec 25 j 22:07 | 0° $\underline{\Omega}$        |            | desc. node          | -7082 Aug 15 j 11:31 | 5° $\Omega$ 51'02              |            |
| morning max el      | -7084 Jan 15 j 08:36 | 18° $\underline{\Omega}$ 00'10 | 46°06'39   |                     | -7082 Sep 04 j 10:02 | 0° $\Pi$                       |            |
|                     | -7084 Jan 27 j 08:22 | 0° $\Pi$                       |            |                     | -7082 Sep 29 j 17:55 | 0° $\underline{\Omega}$        |            |
|                     | -7084 Feb 24 j 05:19 | 0° $\text{X}$                  |            |                     | -7082 Oct 26 j 10:07 | 0° $\Pi$                       |            |
| desc. node          | -7084 Feb 28 j 22:12 | 5° $\text{X}$ 15'11            |            | evening max el      | -7082 Nov 05 j 11:25 | 10° $\Pi$ 31'16                | 46°40'20   |
|                     | -7084 Mar 21 j 15:07 | 0° $\text{Z}$                  |            |                     | -7082 Nov 26 j 15:27 | 0° $\text{X}$                  |            |
|                     | -7084 Apr 16 j 04:59 | 0° $\approx$                   |            | asc. node           | -7082 Dec 05 j 21:59 | 6° $\text{X}$ 38'17            |            |
|                     | -7084 May 11 j 04:21 | 0° $\text{X}$                  |            | greatest brilliancy | -7082 Dec 14 j 19:32 | 11° $\text{X}$ 15'35           | -4.8m      |
|                     | -7084 Jun 04 j 16:14 | 0° $\Upsilon$                  |            | retrograde          | -7082 Dec 25 j 21:27 | 13° $\text{X}$ 35'05           |            |
| asc. node           | -7084 Jun 20 j 05:08 | 19° $\Upsilon$ 16'54           |            | evening set         | -7081 Jan 11 j 18:51 | 7° $\text{X}$ 56'57            |            |
|                     | -7084 Jun 28 j 19:08 | 0° $\text{B}$                  |            | min. Earth dist.    | -7081 Jan 15 j 17:05 | 5° $\text{X}$ 28'50            | 0.29140 AU |
| morning set         | -7084 Jul 09 j 16:56 | 13° $\text{B}$ 41'06           |            | inferior conj       | -7081 Jan 16 j 05:41 | 5° $\text{X}$ 08'34            | 7°33'21    |
|                     | -7084 Jul 22 j 15:48 | 0° $\Pi$                       |            | minimum elong       | -7081 Jan 15 j 23:20 | 5° $\text{X}$ 18'46            | 7°32'16    |
|                     | -7084 Aug 15 j 09:32 | 0° $\approx$                   |            | morning rise        | -7081 Jan 20 j 04:05 | 2° $\text{X}$ 39'11            |            |
|                     |                      |                                |            |                     | -7081 Jan 24 j 21:56 | 30° $\text{R}$ $\Pi$           |            |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                   |            |                     |                      |                                    |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|----------------------|------------------------------------|------------|
| direct              | -7081 Feb 06 j 16:16 | 26° $\mathbb{M}$ 44'39            |            |                     | -7079 Jul 07 j 10:23 | 0° $\mathbb{I}$                    |            |
| greatest brilliancy | -7081 Feb 15 j 19:31 | 28° $\mathbb{M}$ 15'42            | -4.7m      | evening rise        | -7079 Jul 11 j 13:11 | 5° $\mathbb{I}$ 10'15              |            |
|                     | -7081 Feb 20 j 08:10 | 0° $\mathbb{X}$                   |            |                     | -7079 Jul 31 j 07:37 | 0° $\mathbb{G}$                    |            |
| morning max el      | -7081 Mar 27 j 10:00 | 26° $\mathbb{X}$ 19'46            | 45°52'52   |                     | -7079 Aug 24 j 06:10 | 0° $\Omega$                        |            |
| desc. node          | -7081 Mar 28 j 09:30 | 27° $\mathbb{X}$ 15'42            |            | desc. node          | -7079 Sep 11 j 23:45 | 23° $\Omega$ 21'17                 |            |
|                     | -7081 Mar 31 j 05:38 | 0° $\mathbb{Z}$                   |            |                     | -7079 Sep 17 j 08:09 | 0° $\mathbb{P}$                    |            |
|                     | -7081 Apr 28 j 22:38 | 0° $\approx$                      |            |                     | -7079 Oct 11 j 15:30 | 0° $\underline{\mathbb{A}}$        |            |
|                     | -7081 May 25 j 08:31 | 0° $\mathbb{H}$                   |            |                     | -7079 Nov 05 j 07:03 | 0° $\mathbb{M}$                    |            |
|                     | -7081 Jun 19 j 14:25 | 0° $\mathbb{Y}$                   |            |                     | -7079 Nov 30 j 13:26 | 0° $\mathbb{X}$                    |            |
|                     | -7081 Jul 14 j 02:38 | 0° $\mathbb{B}$                   |            |                     | -7079 Dec 27 j 03:41 | 0° $\mathbb{Z}$                    |            |
| asc. node           | -7081 Jul 18 j 17:58 | 5° $\mathbb{B}$ 45'04             |            | asc. node           | -7078 Jan 02 j 08:38 | 6° $\mathbb{Z}$ 37'06              |            |
|                     | -7081 Aug 07 j 03:33 | 0° $\mathbb{I}$                   |            | evening max el      | -7078 Jan 15 j 07:29 | 19° $\mathbb{Z}$ 44'09             | 45°13'56   |
|                     | -7081 Aug 30 j 22:29 | 0° $\mathbb{G}$                   |            |                     | -7078 Jan 26 j 11:38 | 0° $\approx$                       |            |
| morning set         | -7081 Sep 23 j 20:20 | 0° $\Omega$ 13'12                 |            | greatest brilliancy | -7078 Feb 21 j 21:56 | 17° $\approx$ 16'22                | -4.7m      |
|                     | -7081 Sep 23 j 16:09 | 0° $\Omega$                       |            | retrograde          | -7078 Mar 04 j 13:46 | 19° $\approx$ 17'58                |            |
|                     | -7081 Oct 17 j 12:03 | 0° $\mathbb{P}$                   |            | evening set         | -7078 Mar 21 j 04:04 | 14° $\approx$ 05'37                |            |
|                     |                      |                                   |            | inferior conj       | -7078 Mar 26 j 00:16 | 11° $\approx$ 08'29                | 6°00'37    |
| superior conj       | -7081 Nov 05 j 02:45 | 23° $\mathbb{P}$ 17'32            | 0°06'36    | minimum elong       | -7078 Mar 26 j 09:06 | 10° $\approx$ 54'39                | 5°58'35    |
| minimum elong       | -7081 Nov 05 j 04:34 | 23° $\mathbb{P}$ 23'13            | 0°06'37    | min. Earth dist.    | -7078 Mar 26 j 22:50 | 10° $\approx$ 33'08                | 0.29244 AU |
| behind sun begin    | -7081 Nov 04 j 03:29 | 22° $\mathbb{P}$ 04'55            |            | morning rise        | -7078 Mar 31 j 13:45 | 7° $\approx$ 45'30                 |            |
| behind sun end      | -7081 Nov 06 j 05:39 | 24° $\mathbb{P}$ 41'29            |            | direct              | -7078 Apr 16 j 23:13 | 2° $\approx$ 41'59                 |            |
| desc. node          | -7081 Nov 07 j 23:30 | 26° $\mathbb{P}$ 51'58            |            | desc. node          | -7078 Apr 24 j 20:12 | 3° $\approx$ 50'09                 |            |
|                     | -7081 Nov 10 j 11:50 | 0° $\underline{\mathbb{A}}$       |            | greatest brilliancy | -7078 Apr 27 j 20:54 | 4° $\approx$ 49'34                 | -4.7m      |
| max. Earth dist.    | -7081 Nov 10 j 21:17 | 0° $\underline{\mathbb{A}}$ 29'25 | 1.71820 AU |                     | -7078 Jun 01 j 22:44 | 0° $\mathbb{H}$                    |            |
|                     | -7081 Dec 04 j 15:34 | 0° $\mathbb{M}$                   |            | morning max el      | -7078 Jun 05 j 10:12 | 3° $\mathbb{H}$ 20'19              | 46°13'18   |
| evening rise        | -7081 Dec 16 j 17:21 | 14° $\mathbb{M}$ 55'49            |            |                     | -7078 Jun 30 j 20:12 | 0° $\mathbb{Y}$                    |            |
|                     | -7081 Dec 28 j 22:39 | 0° $\mathbb{X}$                   |            |                     | -7078 Jul 26 j 21:35 | 0° $\mathbb{B}$                    |            |
|                     | -7080 Jan 22 j 09:12 | 0° $\mathbb{Z}$                   |            | asc. node           | -7078 Aug 15 j 06:29 | 23° $\mathbb{B}$ 20'04             |            |
|                     | -7080 Feb 16 j 00:39 | 0° $\approx$                      |            |                     | -7078 Aug 20 j 17:10 | 0° $\mathbb{I}$                    |            |
| asc. node           | -7080 Feb 28 j 05:43 | 14° $\approx$ 44'05               |            |                     | -7078 Sep 13 j 21:58 | 0° $\mathbb{G}$                    |            |
|                     | -7080 Mar 11 j 23:37 | 0° $\mathbb{H}$                   |            |                     | -7078 Oct 07 j 21:10 | 0° $\Omega$                        |            |
|                     | -7080 Apr 06 j 09:41 | 0° $\mathbb{Y}$                   |            |                     | -7078 Oct 31 j 20:44 | 0° $\mathbb{P}$                    |            |
|                     | -7080 May 02 j 13:00 | 0° $\mathbb{B}$                   |            |                     | -7078 Nov 24 j 23:36 | 0° $\underline{\mathbb{A}}$        |            |
|                     | -7080 May 30 j 01:58 | 0° $\mathbb{I}$                   |            | desc. node          | -7078 Dec 05 j 12:40 | 13° $\underline{\mathbb{A}}$ 03'23 |            |
| evening max el      | -7080 Jun 11 j 02:37 | 12° $\mathbb{I}$ 10'37            | 46°41'43   | morning set         | -7078 Dec 10 j 03:09 | 18° $\underline{\mathbb{A}}$ 44'44 |            |
| desc. node          | -7080 Jun 19 j 15:14 | 20° $\mathbb{I}$ 14'39            |            |                     | -7078 Dec 19 j 06:02 | 0° $\mathbb{M}$                    |            |
|                     | -7080 Jul 01 j 01:36 | 0° $\mathbb{G}$                   |            |                     | -7077 Jan 12 j 14:49 | 0° $\mathbb{X}$                    |            |
| greatest brilliancy | -7080 Jul 22 j 03:12 | 12° $\mathbb{G}$ 21'34            | -4.9m      |                     |                      |                                    |            |
| retrograde          | -7080 Jul 31 j 06:55 | 13° $\mathbb{G}$ 55'29            |            | superior conj       | -7077 Jan 19 j 00:29 | 7° $\mathbb{X}$ 52'13              | -1°17'34   |
| evening set         | -7080 Aug 18 j 04:00 | 7° $\mathbb{G}$ 53'49             |            | minimum elong       | -7077 Jan 18 j 18:35 | 7° $\mathbb{X}$ 34'06              | 1°17'54    |
| inferior conj       | -7080 Aug 20 j 22:40 | 6° $\mathbb{G}$ 13'59             | -8°54'10   | max. Earth dist.    | -7077 Jan 20 j 06:30 | 9° $\mathbb{X}$ 24'28              | 1.73428 AU |
| minimum elong       | -7080 Aug 21 j 02:10 | 6° $\mathbb{G}$ 08'41             | 8°53'31    |                     | -7077 Feb 06 j 00:45 | 0° $\mathbb{Z}$                    |            |
| min. Earth dist.    | -7080 Aug 20 j 21:47 | 6° $\mathbb{G}$ 15'19             | 0.26620 AU | evening rise        | -7077 Feb 25 j 01:57 | 23° $\mathbb{Z}$ 22'46             |            |
| morning rise        | -7080 Aug 24 j 00:19 | 4° $\mathbb{G}$ 24'03             |            |                     | -7077 Mar 02 j 11:30 | 0° $\approx$                       |            |
|                     | -7080 Sep 02 j 05:58 | 30° $\mathbb{R}$ $\mathbb{I}$     |            | greatest brilliancy | -7077 Mar 03 j 01:34 | 0° $\approx$ 43'10                 | -3.9m      |
| direct              | -7080 Sep 10 j 06:55 | 28° $\mathbb{I}$ 39'36            |            |                     | -7077 Mar 26 j 23:31 | 0° $\mathbb{H}$                    |            |
|                     | -7080 Sep 18 j 13:47 | 0° $\mathbb{G}$                   |            | asc. node           | -7077 Mar 27 j 18:10 | 0° $\mathbb{H}$ 57'02              |            |
| greatest brilliancy | -7080 Sep 20 j 15:21 | 0° $\mathbb{G}$ 42'56             | -4.9m      |                     | -7077 Apr 20 j 13:36 | 0° $\mathbb{Y}$                    |            |
| asc. node           | -7080 Oct 10 j 02:52 | 12° $\mathbb{G}$ 49'30            |            |                     | -7077 May 15 j 06:44 | 0° $\mathbb{B}$                    |            |
|                     | -7080 Oct 28 j 19:06 | 0° $\Omega$                       |            |                     | -7077 Jun 09 j 04:46 | 0° $\mathbb{I}$                    |            |
| morning max el      | -7080 Oct 30 j 23:06 | 2° $\Omega$ 11'26                 | 46°40'20   |                     | -7077 Jul 04 j 11:54 | 0° $\mathbb{G}$                    |            |
|                     | -7080 Nov 25 j 17:17 | 0° $\mathbb{P}$                   |            | desc. node          | -7077 Jul 18 j 02:05 | 15° $\mathbb{G}$ 47'16             |            |
|                     | -7080 Dec 21 j 21:20 | 0° $\underline{\mathbb{A}}$       |            |                     | -7077 Jul 30 j 14:09 | 0° $\Omega$                        |            |
|                     | -7079 Jan 16 j 11:39 | 0° $\mathbb{M}$                   |            | evening max el      | -7077 Aug 24 j 09:22 | 26° $\Omega$ 39'33                 | 47°43'52   |
| desc. node          | -7079 Jan 30 j 12:18 | 16° $\mathbb{M}$ 35'29            |            |                     | -7077 Aug 27 j 17:13 | 0° $\mathbb{P}$                    |            |
|                     | -7079 Feb 10 j 19:03 | 0° $\mathbb{X}$                   |            | greatest brilliancy | -7077 Oct 04 j 10:45 | 28° $\mathbb{P}$ 33'46             | -4.9m      |
|                     | -7079 Mar 07 j 20:23 | 0° $\mathbb{Z}$                   |            |                     | -7077 Oct 09 j 11:29 | 0° $\underline{\mathbb{A}}$        |            |
|                     | -7079 Apr 01 j 15:19 | 0° $\approx$                      |            | retrograde          | -7077 Oct 14 j 11:39 | 0° $\underline{\mathbb{A}}$ 30'05  |            |
|                     | -7079 Apr 26 j 03:47 | 0° $\mathbb{H}$                   |            |                     | -7077 Oct 19 j 08:58 | 30° $\mathbb{R}$ $\mathbb{P}$      |            |
| morning set         | -7079 Apr 29 j 19:00 | 4° $\mathbb{H}$ 28'19             |            | evening set         | -7077 Oct 29 j 05:41 | 26° $\mathbb{P}$ 04'19             |            |
|                     | -7079 May 20 j 10:20 | 0° $\mathbb{Y}$                   |            | min. Earth dist.    | -7077 Nov 03 j 12:24 | 22° $\mathbb{P}$ 52'23             | 0.27047 AU |
| asc. node           | -7079 May 22 j 18:05 | 2° $\mathbb{Y}$ 53'06             |            | inferior conj       | -7077 Nov 04 j 05:36 | 22° $\mathbb{P}$ 25'12             | -0°49'50   |
| max. Earth dist.    | -7079 May 31 j 05:47 | 13° $\mathbb{Y}$ 26'45            | 1.72261 AU | minimum elong       | -7077 Nov 04 j 07:24 | 22° $\mathbb{P}$ 22'22             | 0°49'09    |
|                     |                      |                                   |            | asc. node           | -7077 Nov 07 j 13:31 | 20° $\mathbb{P}$ 21'02             |            |
| superior conj       | -7079 Jun 04 j 16:55 | 19° $\mathbb{Y}$ 00'41            | 0°29'40    | morning rise        | -7077 Nov 10 j 10:01 | 18° $\mathbb{P}$ 42'31             |            |
| minimum elong       | -7079 Jun 04 j 11:15 | 18° $\mathbb{Y}$ 43'01            | 0°29'32    | direct              | -7077 Nov 24 j 15:48 | 14° $\mathbb{P}$ 37'14             |            |
|                     | -7079 Jun 13 j 12:00 | 0° $\mathbb{B}$                   |            | greatest brilliancy | -7077 Dec 03 j 21:26 | 16° $\mathbb{P}$ 14'24             | -4.8m      |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7077 Dec 26 j 11:11 | 0°♊       |            | desc. node          | -7074 Aug 14 j 13:43 | 5°♊19'03  |            |
| morning max el      | -7076 Jan 12 j 21:58 | 15°♊40'12 | 46°07'47   |                     | -7074 Sep 03 j 23:27 | 0°♊       |            |
|                     | -7076 Jan 27 j 03:22 | 0°♊       |            |                     | -7074 Sep 29 j 08:55 | 0°♊       |            |
|                     | -7076 Feb 23 j 20:03 | 0°♊       |            |                     | -7074 Oct 26 j 04:55 | 0°♊       |            |
| desc. node          | -7076 Feb 28 j 00:25 | 4°♊41'10  |            | evening max el      | -7074 Nov 03 j 03:36 | 8°♊16'28  | 46°43'53   |
|                     | -7076 Mar 21 j 04:01 | 0°♊       |            |                     | -7074 Nov 27 j 04:28 | 0°♊       |            |
|                     | -7076 Apr 15 j 16:57 | 0°♊       |            | asc. node           | -7074 Dec 05 j 00:09 | 5°♊18'06  |            |
|                     | -7076 May 10 j 15:50 | 0°♊       |            | greatest brilliancy | -7074 Dec 12 j 12:09 | 9°♊04'32  | -4.8m      |
|                     | -7076 Jun 04 j 03:27 | 0°♊       |            | retrograde          | -7074 Dec 23 j 15:17 | 11°♊25'20 |            |
| asc. node           | -7076 Jun 19 j 07:14 | 18°♊48'47 |            | evening set         | -7073 Jan 09 j 09:28 | 5°♊50'30  |            |
|                     | -7076 Jun 28 j 06:14 | 0°♊       |            | inferior conj       | -7073 Jan 13 j 22:39 | 2°♊58'36  | 7°26'14    |
| morning set         | -7076 Jul 07 j 07:35 | 11°♊21'28 |            | minimum elong       | -7073 Jan 13 j 15:51 | 3°♊09'32  | 7°25'02    |
|                     | -7076 Jul 22 j 02:53 | 0°♊       |            | min. Earth dist.    | -7073 Jan 13 j 08:33 | 3°♊21'17  | 0.29086 AU |
|                     | -7076 Aug 14 j 20:40 | 0°♊       |            | morning rise        | -7073 Jan 17 j 22:34 | 0°♊27'13  |            |
|                     |                      |           |            |                     | -7073 Jan 18 j 16:38 | 30°♊      |            |
| superior conj       | -7076 Aug 15 j 04:24 | 0°♊24'28  | 1°23'23    | direct              | -7073 Feb 04 j 08:43 | 24°♊35'31 |            |
| minimum elong       | -7076 Aug 15 j 05:07 | 0°♊26'42  | 1°23'52    | greatest brilliancy | -7073 Feb 13 j 10:22 | 26°♊05'51 | -4.7m      |
| max. Earth dist.    | -7076 Aug 15 j 15:21 | 0°♊59'05  | 1.70794 AU |                     | -7073 Feb 22 j 07:25 | 0°♊       |            |
|                     | -7076 Sep 07 j 14:46 | 0°♊       |            | morning max el      | -7073 Mar 25 j 03:08 | 24°♊13'46 | 45°52'47   |
| evening rise        | -7076 Sep 25 j 23:14 | 23°♊05'13 |            | desc. node          | -7073 Mar 27 j 11:34 | 26°♊28'38 |            |
|                     | -7076 Oct 01 j 11:34 | 0°♊       |            |                     | -7073 Mar 31 j 02:12 | 0°♊       |            |
| desc. node          | -7076 Oct 09 j 12:27 | 10°♊03'33 |            |                     | -7073 Apr 28 j 13:41 | 0°♊       |            |
|                     | -7076 Oct 25 j 12:18 | 0°♊       |            |                     | -7073 May 24 j 21:31 | 0°♊       |            |
|                     | -7076 Nov 18 j 17:35 | 0°♊       |            |                     | -7073 Jun 19 j 02:27 | 0°♊       |            |
|                     | -7076 Dec 13 j 04:36 | 0°♊       |            |                     | -7073 Jul 13 j 14:12 | 0°♊       |            |
|                     | -7075 Jan 07 j 00:41 | 0°♊       |            | asc. node           | -7073 Jul 17 j 20:15 | 5°♊16'28  |            |
| asc. node           | -7075 Jan 29 j 20:02 | 26°♊53'07 |            |                     | -7073 Aug 06 j 14:54 | 0°♊       |            |
|                     | -7075 Feb 01 j 12:36 | 0°♊       |            |                     | -7073 Aug 30 j 09:44 | 0°♊       |            |
|                     | -7075 Feb 28 j 05:49 | 0°♊       |            | morning set         | -7073 Sep 21 j 06:18 | 27°♊37'48 |            |
| evening max el      | -7075 Mar 27 j 11:02 | 27°♊52'08 | 45°11'32   |                     | -7073 Sep 23 j 03:21 | 0°♊       |            |
|                     | -7075 Mar 29 j 17:34 | 0°♊       |            |                     | -7073 Oct 16 j 23:11 | 0°♊       |            |
| greatest brilliancy | -7075 May 04 j 19:44 | 25°♊16'37 | -4.7m      |                     |                      |           |            |
| retrograde          | -7075 May 14 j 22:43 | 27°♊06'23 |            | superior conj       | -7073 Nov 02 j 11:27 | 20°♊40'14 | 0°10'32    |
| desc. node          | -7075 May 22 j 06:50 | 26°♊03'46 |            | minimum elong       | -7073 Nov 02 j 14:21 | 20°♊49'19 | 0°10'31    |
| evening set         | -7075 May 29 j 16:01 | 23°♊02'28 |            | behind sun begin    | -7073 Nov 01 j 17:17 | 19°♊43'30 |            |
| inferior conj       | -7075 Jun 05 j 01:21 | 19°♊23'26 | -3°12'53   | behind sun end      | -7073 Nov 03 j 11:26 | 21°♊55'06 |            |
| minimum elong       | -7075 Jun 04 j 18:27 | 19°♊33'47 | 3°10'51    | desc. node          | -7073 Nov 07 j 01:33 | 26°♊23'50 |            |
| min. Earth dist.    | -7075 Jun 05 j 13:27 | 19°♊05'16 | 0.27602 AU | max. Earth dist.    | -7073 Nov 08 j 08:12 | 27°♊59'21 | 1.71757 AU |
| morning rise        | -7075 Jun 10 j 20:01 | 16°♊01'30 |            |                     | -7073 Nov 09 j 22:55 | 0°♊       |            |
| direct              | -7075 Jun 26 j 06:40 | 11°♊28'13 |            |                     | -7073 Dec 04 j 02:35 | 0°♊       |            |
| greatest brilliancy | -7075 Jul 07 j 15:05 | 13°♊48'29 | -4.8m      | evening rise        | -7073 Dec 14 j 06:00 | 12°♊32'44 |            |
|                     | -7075 Jul 31 j 21:57 | 0°♊       |            |                     | -7073 Dec 28 j 09:39 | 0°♊       |            |
| morning max el      | -7075 Aug 15 j 16:29 | 13°♊58'52 | 46°44'16   |                     | -7072 Jan 21 j 20:18 | 0°♊       |            |
|                     | -7075 Aug 30 j 19:13 | 0°♊       |            |                     | -7072 Feb 15 j 12:03 | 0°♊       |            |
| asc. node           | -7075 Sep 11 j 18:09 | 13°♊26'55 |            | asc. node           | -7072 Feb 27 j 07:52 | 14°♊15'26 |            |
|                     | -7075 Sep 25 j 22:38 | 0°♊       |            |                     | -7072 Mar 11 j 11:38 | 0°♊       |            |
|                     | -7075 Oct 20 j 21:35 | 0°♊       |            |                     | -7072 Apr 05 j 22:50 | 0°♊       |            |
|                     | -7075 Nov 14 j 11:26 | 0°♊       |            |                     | -7072 May 02 j 04:16 | 0°♊       |            |
|                     | -7075 Dec 09 j 00:19 | 0°♊       |            |                     | -7072 May 29 j 22:04 | 0°♊       |            |
| desc. node          | -7074 Jan 02 j 01:49 | 29°♊20'46 |            | evening max el      | -7072 Jun 08 j 16:36 | 9°♊49'27  | 46°38'08   |
|                     | -7074 Jan 02 j 14:42 | 0°♊       |            | desc. node          | -7072 Jun 18 j 17:29 | 19°♊14'26 |            |
|                     | -7074 Jan 27 j 05:49 | 0°♊       |            |                     | -7072 Jul 01 j 19:19 | 0°♊       |            |
| morning set         | -7074 Feb 19 j 21:07 | 28°♊50'06 |            | greatest brilliancy | -7072 Jul 19 j 13:52 | 9°♊51'24  | -4.9m      |
|                     | -7074 Feb 20 j 19:59 | 0°♊       |            | retrograde          | -7072 Jul 28 j 18:53 | 11°♊25'46 |            |
|                     | -7074 Mar 17 j 08:01 | 0°♊       |            | evening set         | -7072 Aug 15 j 16:25 | 5°♊23'52  |            |
| max. Earth dist.    | -7074 Mar 25 j 02:29 | 9°♊32'32  | 1.73660 AU | inferior conj       | -7072 Aug 18 j 10:34 | 3°♊44'40  | -8°57'07   |
|                     |                      |           |            | minimum elong       | -7072 Aug 18 j 13:07 | 3°♊40'49  | 8°56'33    |
| superior conj       | -7074 Mar 27 j 20:38 | 12°♊55'46 | -0°57'30   | min. Earth dist.    | -7072 Aug 18 j 09:23 | 3°♊46'27  | 0.26638 AU |
| minimum elong       | -7074 Mar 28 j 04:42 | 13°♊20'35 | 0°57'36    | morning rise        | -7072 Aug 21 j 09:50 | 1°♊58'13  |            |
|                     | -7074 Apr 10 j 17:33 | 0°♊       |            |                     | -7072 Aug 24 j 23:07 | 30°♊      |            |
| asc. node           | -7074 Apr 24 j 07:05 | 16°♊43'52 |            | direct              | -7072 Sep 07 j 19:55 | 26°♊10'26 |            |
| evening rise        | -7074 May 02 j 07:58 | 26°♊39'33 |            | greatest brilliancy | -7072 Sep 18 j 03:46 | 28°♊13'11 | -4.9m      |
|                     | -7074 May 05 j 00:51 | 0°♊       |            |                     | -7072 Sep 22 j 04:55 | 0°♊       |            |
|                     | -7074 May 29 j 06:35 | 0°♊       |            | asc. node           | -7072 Oct 09 j 05:02 | 11°♊37'21 |            |
|                     | -7074 Jun 22 j 11:52 | 0°♊       |            | morning max el      | -7072 Oct 28 j 12:16 | 29°♊44'13 | 46°41'05   |
|                     | -7074 Jul 16 j 18:29 | 0°♊       |            |                     | -7072 Oct 28 j 18:27 | 0°♊       |            |
|                     | -7074 Aug 10 j 05:04 | 0°♊       |            |                     | -7072 Nov 25 j 09:57 | 0°♊       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
|                     | -7072 Dec 21 j 11:26 | 0°♊       |            |                     |  | -7069 Jul 30 j 07:22 | 0°♊       |            |
|                     | -7071 Jan 16 j 00:22 | 0°♋       |            | evening max el      |  | -7069 Aug 21 j 22:59 | 24°♋14'19 | 47°43'49   |
| desc. node          | -7071 Jan 29 j 14:31 | 16°♋05'53 |            |                     |  | -7069 Aug 27 j 17:58 | 0°♌       |            |
|                     | -7071 Feb 10 j 06:54 | 0°♍       |            | greatest brilliancy |  | -7069 Oct 02 j 03:09 | 26°♌11'12 | -4.9m      |
|                     | -7071 Mar 07 j 07:42 | 0°♎       |            | retrograde          |  | -7069 Oct 12 j 01:27 | 28°♌05'30 |            |
|                     | -7071 Apr 01 j 02:17 | 0°♏       |            | evening set         |  | -7069 Oct 26 j 21:03 | 23°♌38'35 |            |
|                     | -7071 Apr 25 j 14:37 | 0°♐       |            | min. Earth dist.    |  | -7069 Nov 01 j 03:43 | 20°♌27'07 | 0.26994 AU |
| morning set         | -7071 Apr 27 j 14:12 | 2°♐26'23  |            | inferior conj       |  | -7069 Nov 01 j 19:43 | 20°♌01'53 | -1°12'17   |
|                     | -7071 May 19 j 21:08 | 0°♑       |            | minimum elong       |  | -7069 Nov 01 j 22:18 | 19°♌57'48 | 1°11'22    |
| asc. node           | -7071 May 21 j 20:16 | 2°♑26'21  |            | asc. node           |  | -7069 Nov 06 j 15:43 | 17°♌04'34 |            |
| max. Earth dist.    | -7071 May 28 j 21:08 | 11°♑11'28 | 1.72323 AU | morning rise        |  | -7069 Nov 08 j 00:20 | 16°♌18'57 |            |
|                     |                      |           |            | direct              |  | -7069 Nov 22 j 04:43 | 12°♌14'43 |            |
| superior conj       | -7071 Jun 02 j 10:51 | 16°♑53'13 | 0°26'42    | greatest brilliancy |  | -7069 Dec 01 j 12:45 | 13°♌53'46 | -4.8m      |
| minimum elong       | -7071 Jun 02 j 05:43 | 16°♑37'13 | 0°26'34    |                     |  | -7069 Dec 26 j 20:49 | 0°♍       |            |
|                     | -7071 Jun 12 j 22:52 | 0°♎       |            | morning max el      |  | -7068 Jan 10 j 11:50 | 13°♍21'16 | 46°08'48   |
|                     | -7071 Jul 06 j 21:21 | 0°♏       |            |                     |  | -7068 Jan 26 j 21:55 | 0°♎       |            |
| evening rise        | -7071 Jul 09 j 04:31 | 2°♏53'07  |            |                     |  | -7068 Feb 23 j 10:41 | 0°♏       |            |
|                     | -7071 Jul 30 j 18:47 | 0°♐       |            | desc. node          |  | -7068 Feb 27 j 02:26 | 4°♏06'37  |            |
|                     | -7071 Aug 23 j 17:34 | 0°♑       |            |                     |  | -7068 Mar 20 j 16:55 | 0°♎       |            |
| desc. node          | -7071 Sep 11 j 01:48 | 22°♑51'28 |            |                     |  | -7068 Apr 15 j 04:55 | 0°♏       |            |
|                     | -7071 Sep 16 j 19:52 | 0°♌       |            |                     |  | -7068 May 10 j 03:18 | 0°♐       |            |
|                     | -7071 Oct 11 j 03:37 | 0°♍       |            |                     |  | -7068 Jun 03 j 14:40 | 0°♑       |            |
|                     | -7071 Nov 04 j 19:47 | 0°♎       |            | asc. node           |  | -7068 Jun 18 j 09:28 | 18°♑21'02 |            |
|                     | -7071 Nov 30 j 03:24 | 0°♏       |            |                     |  | -7068 Jun 27 j 17:20 | 0°♐       |            |
|                     | -7071 Dec 26 j 20:38 | 0°♑       |            | morning set         |  | -7068 Jul 04 j 22:31 | 9°♐02'44  |            |
| asc. node           | -7070 Jan 01 j 11:00 | 5°♐55'47  |            |                     |  | -7068 Jul 21 j 14:01 | 0°♑       |            |
| evening max el      | -7070 Jan 12 j 22:35 | 17°♐31'31 | 45°15'51   |                     |  |                      |           |            |
|                     | -7070 Jan 26 j 16:26 | 0°♒       |            | superior conj       |  | -7068 Aug 12 j 16:17 | 27°♑54'52 | 1°23'25    |
| greatest brilliancy | -7070 Feb 19 j 14:51 | 15°♒10'26 | -4.7m      | minimum elong       |  | -7068 Aug 12 j 16:02 | 27°♑54'05 | 1°23'54    |
| retrograde          | -7070 Mar 02 j 05:51 | 17°♒11'51 |            | max. Earth dist.    |  | -7068 Aug 12 j 20:18 | 28°♑07'36 | 1.70813 AU |
| evening set         | -7070 Mar 18 j 23:13 | 11°♒55'39 |            |                     |  | -7068 Aug 14 j 07:52 | 0°♓       |            |
| inferior conj       | -7070 Mar 23 j 17:08 | 9°♒01'32  | 6°12'41    |                     |  | -7068 Sep 07 j 02:02 | 0°♑       |            |
| minimum elong       | -7070 Mar 24 j 01:51 | 8°♒47'51  | 6°10'45    | evening rise        |  | -7068 Sep 23 j 07:17 | 20°♑24'24 |            |
| min. Earth dist.    | -7070 Mar 24 j 15:20 | 8°♒26'41  | 0.29283 AU |                     |  | -7068 Sep 30 j 22:53 | 0°♌       |            |
| morning rise        | -7070 Mar 29 j 04:06 | 5°♒41'33  |            | desc. node          |  | -7068 Oct 08 j 14:35 | 9°♌34'45  |            |
| direct              | -7070 Apr 14 j 15:54 | 0°♒34'22  |            |                     |  | -7068 Oct 24 j 23:41 | 0°♍       |            |
| desc. node          | -7070 Apr 23 j 22:21 | 2°♒07'24  |            |                     |  | -7068 Nov 18 j 05:06 | 0°♎       |            |
| greatest brilliancy | -7070 Apr 25 j 12:47 | 2°♒40'42  | -4.7m      |                     |  | -7068 Dec 12 j 16:24 | 0°♏       |            |
|                     | -7070 Jun 01 j 21:49 | 0°♐       |            |                     |  | -7067 Jan 06 j 13:04 | 0°♑       |            |
| morning max el      | -7070 Jun 03 j 01:10 | 1°♐06'11  | 46°12'12   | asc. node           |  | -7067 Jan 28 j 22:07 | 26°♑20'15 |            |
|                     | -7070 Jun 30 j 12:14 | 0°♑       |            |                     |  | -7067 Feb 01 j 02:13 | 0°♒       |            |
|                     | -7070 Jul 26 j 11:15 | 0°♒       |            |                     |  | -7067 Feb 27 j 22:13 | 0°♐       |            |
| asc. node           | -7070 Aug 14 j 08:36 | 22°♒47'37 |            | evening max el      |  | -7067 Mar 25 j 01:46 | 25°♐38'08 | 45°10'00   |
|                     | -7070 Aug 20 j 05:43 | 0°♓       |            |                     |  | -7067 Mar 29 j 18:41 | 0°♑       |            |
|                     | -7070 Sep 13 j 09:57 | 0°♓       |            | greatest brilliancy |  | -7067 May 02 j 07:58 | 22°♑57'56 | -4.7m      |
|                     | -7070 Oct 07 j 08:49 | 0°♑       |            | retrograde          |  | -7067 May 12 j 12:52 | 24°♑49'00 |            |
|                     | -7070 Oct 31 j 08:10 | 0°♌       |            | desc. node          |  | -7067 May 21 j 09:06 | 23°♑17'50 |            |
|                     | -7070 Nov 24 j 10:51 | 0°♍       |            | evening set         |  | -7067 May 27 j 04:51 | 20°♑45'41 |            |
| desc. node          | -7070 Dec 04 j 14:51 | 12°♍35'36 |            | inferior conj       |  | -7067 Jun 02 j 15:10 | 17°♑05'08 | -2°52'14   |
| morning set         | -7070 Dec 07 j 14:51 | 16°♍18'12 |            | minimum elong       |  | -7067 Jun 02 j 08:56 | 17°♑14'30 | 2°50'21    |
|                     | -7070 Dec 18 j 17:07 | 0°♎       |            | min. Earth dist.    |  | -7067 Jun 03 j 03:50 | 16°♑46'07 | 0.27656 AU |
|                     | -7069 Jan 12 j 01:46 | 0°♏       |            | morning rise        |  | -7067 Jun 08 j 12:11 | 13°♑40'12 |            |
|                     |                      |           |            | direct              |  | -7067 Jun 23 j 21:40 | 9°♑08'44  |            |
| superior conj       | -7069 Jan 16 j 15:57 | 5°♏38'41  | -1°16'26   | greatest brilliancy |  | -7067 Jul 05 j 06:14 | 11°♑29'34 | -4.8m      |
| minimum elong       | -7069 Jan 16 j 09:26 | 5°♏18'39  | 1°16'44    |                     |  | -7067 Aug 01 j 04:15 | 0°♒       |            |
| max. Earth dist.    | -7069 Jan 18 j 01:41 | 7°♏22'20  | 1.73388 AU | morning max el      |  | -7067 Aug 13 j 07:33 | 11°♒38'13 | 46°43'32   |
|                     | -7069 Feb 05 j 11:38 | 0°♑       |            |                     |  | -7067 Aug 30 j 13:29 | 0°♓       |            |
| evening rise        | -7069 Feb 22 j 19:58 | 21°♑17'22 |            | asc. node           |  | -7067 Sep 10 j 20:16 | 12°♓45'50 |            |
| greatest brilliancy | -7069 Mar 01 j 09:38 | 29°♑20'50 | -3.9m      |                     |  | -7067 Sep 25 j 13:35 | 0°♓       |            |
|                     | -7069 Mar 01 j 22:25 | 0°♒       |            |                     |  | -7067 Oct 20 j 11:02 | 0°♑       |            |
|                     | -7069 Mar 26 j 10:38 | 0°♐       |            |                     |  | -7067 Nov 13 j 24:00 | 0°♌       |            |
| asc. node           | -7069 Mar 26 j 20:16 | 0°♐29'26  |            |                     |  | -7067 Dec 08 j 12:18 | 0°♍       |            |
|                     | -7069 Apr 20 j 01:06 | 0°♑       |            | desc. node          |  | -7066 Jan 01 j 04:00 | 28°♍52'12 |            |
|                     | -7069 May 14 j 18:50 | 0°♒       |            |                     |  | -7066 Jan 02 j 02:15 | 0°♎       |            |
|                     | -7069 Jun 08 j 17:47 | 0°♓       |            |                     |  | -7066 Jan 26 j 17:04 | 0°♏       |            |
|                     | -7069 Jul 04 j 02:23 | 0°♓       |            | morning set         |  | -7066 Feb 17 j 14:42 | 26°♏43'24 |            |
| desc. node          | -7069 Jul 17 j 04:21 | 15°♓08'52 |            |                     |  | -7066 Feb 20 j 07:02 | 0°♑       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 68

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7066 Mar 16 j 18:58 | 0°♊       |            | evening set         | -7064 Aug 13 j 04:21 | 2°♊53'54  |            |
| max. Earth dist.    | -7066 Mar 23 j 01:54 | 7°♊43'22  | 1.73683 AU | inferior conj       | -7064 Aug 15 j 22:31 | 1°♊14'37  | -8°59'04   |
|                     |                      |           |            | minimum elong       | -7064 Aug 16 j 00:05 | 1°♊12'15  | 8°58'33    |
| superior conj       | -7066 Mar 25 j 15:58 | 10°♊54'02 | -0°59'34   | min. Earth dist.    | -7064 Aug 15 j 21:22 | 1°♊16'21  | 0.26653 AU |
| minimum elong       | -7066 Mar 26 j 00:03 | 11°♊18'54 | 0°59'42    |                     | -7064 Aug 18 j 00:08 | 30°♊II    |            |
|                     | -7066 Apr 10 j 04:30 | 0°♋       |            | morning rise        | -7064 Aug 18 j 19:50 | 29°♊30'54 |            |
| asc. node           | -7066 Apr 23 j 09:16 | 16°♋16'33 |            | direct              | -7064 Sep 05 j 08:23 | 23°♊40'28 |            |
| evening rise        | -7066 Apr 30 j 03:31 | 24°♋37'30 |            | greatest brilliancy | -7064 Sep 15 j 16:37 | 25°♊43'02 | -4.9m      |
|                     | -7066 May 04 j 11:56 | 0°♌       |            |                     | -7064 Sep 24 j 05:55 | 0°♌       |            |
|                     | -7066 May 28 j 17:55 | 0°♍       |            | asc. node           | -7064 Oct 08 j 07:21 | 10°♌26'46 |            |
|                     | -7066 Jun 21 j 23:34 | 0°♎       |            | morning max el      | -7064 Oct 26 j 00:21 | 27°♌13'13 | 46°41'47   |
|                     | -7066 Jul 16 j 06:39 | 0°♏       |            |                     | -7064 Oct 28 j 17:12 | 0°♏       |            |
|                     | -7066 Aug 09 j 17:52 | 0°♐       |            |                     | -7064 Nov 25 j 02:37 | 0°♐       |            |
| desc. node          | -7066 Aug 13 j 15:44 | 4°♐45'50  |            |                     | -7064 Dec 21 j 01:43 | 0°♑       |            |
|                     | -7066 Sep 03 j 13:12 | 0°♑       |            |                     | -7063 Jan 15 j 13:21 | 0°♑       |            |
|                     | -7066 Sep 29 j 00:23 | 0°♒       |            | desc. node          | -7063 Jan 28 j 16:29 | 15°♑34'40 |            |
|                     | -7066 Oct 26 j 00:32 | 0°♓       |            |                     | -7063 Feb 09 j 19:03 | 0°♒       |            |
| evening max el      | -7066 Oct 31 j 20:31 | 6°♓02'35  | 46°47'21   |                     | -7063 Mar 06 j 19:18 | 0°♓       |            |
|                     | -7066 Nov 27 j 22:23 | 0°♈       |            |                     | -7063 Mar 31 j 13:34 | 0°♈       |            |
| asc. node           | -7066 Dec 04 j 02:30 | 3°♈54'56  |            | morning set         | -7063 Apr 25 j 09:31 | 0°♈23'57  |            |
| greatest brilliancy | -7066 Dec 10 j 05:07 | 6°♈53'07  | -4.8m      |                     | -7063 Apr 25 j 01:44 | 0°♉       |            |
| retrograde          | -7066 Dec 21 j 09:12 | 9°♈14'34  |            |                     | -7063 May 19 j 08:15 | 0°♉       |            |
| evening set         | -7065 Jan 07 j 00:05 | 3°♈43'30  |            | asc. node           | -7063 May 20 j 22:29 | 1°♉58'43  |            |
| min. Earth dist.    | -7065 Jan 10 j 23:56 | 1°♈13'04  | 0.29028 AU | max. Earth dist.    | -7063 May 26 j 14:05 | 9°♉00'15  | 1.72390 AU |
| inferior conj       | -7065 Jan 11 j 15:37 | 0°♈47'51  | 7°18'30    |                     |                      |           |            |
| minimum elong       | -7065 Jan 11 j 08:25 | 0°♈59'26  | 7°17'10    | superior conj       | -7063 May 31 j 04:53 | 14°♉45'12 | 0°23'43    |
|                     | -7065 Jan 12 j 21:27 | 30°♈II    |            | minimum elong       | -7063 May 31 j 00:18 | 14°♉30'55 | 0°23'34    |
| morning rise        | -7065 Jan 15 j 17:10 | 28°♈14'08 |            |                     | -7063 Jun 12 j 10:03 | 0°♊       |            |
| direct              | -7065 Feb 02 j 01:25 | 22°♈25'52 |            |                     | -7063 Jul 06 j 08:42 | 0°♊       |            |
| greatest brilliancy | -7065 Feb 11 j 00:48 | 23°♈54'49 | -4.7m      | evening rise        | -7063 Jul 06 j 19:56 | 0°♊35'14  |            |
|                     | -7065 Feb 23 j 15:29 | 0°♋       |            |                     | -7063 Jul 30 j 06:20 | 0°♋       |            |
| morning max el      | -7065 Mar 22 j 19:54 | 22°♋06'15 | 45°52'35   |                     | -7063 Aug 23 j 05:21 | 0°♌       |            |
| desc. node          | -7065 Mar 26 j 13:47 | 25°♋42'04 |            | desc. node          | -7063 Sep 10 j 03:57 | 22°♌20'53 |            |
|                     | -7065 Mar 30 j 22:24 | 0°♌       |            |                     | -7063 Sep 16 j 07:56 | 0°♌       |            |
|                     | -7065 Apr 28 j 04:51 | 0°♍       |            |                     | -7063 Oct 10 j 16:04 | 0°♍       |            |
|                     | -7065 May 24 j 10:46 | 0°♎       |            |                     | -7063 Nov 04 j 08:53 | 0°♎       |            |
|                     | -7065 Jun 18 j 14:47 | 0°♏       |            |                     | -7063 Nov 29 j 17:49 | 0°♏       |            |
|                     | -7065 Jul 13 j 02:04 | 0°♐       |            |                     | -7063 Dec 26 j 14:20 | 0°♐       |            |
| asc. node           | -7065 Jul 16 j 22:22 | 4°♐46'22  |            | asc. node           | -7063 Dec 31 j 13:08 | 5°♐12'22  |            |
|                     | -7065 Aug 06 j 02:31 | 0°♑       |            | evening max el      | -7062 Jan 10 j 13:01 | 15°♐16'09 | 45°17'52   |
|                     | -7065 Aug 29 j 21:14 | 0°♒       |            |                     | -7062 Jan 26 j 23:55 | 0°♑       |            |
| morning set         | -7065 Sep 18 j 16:19 | 25°♒01'47 |            | greatest brilliancy | -7062 Feb 17 j 07:34 | 13°♑03'17 | -4.7m      |
|                     | -7065 Sep 22 j 14:47 | 0°♓       |            | retrograde          | -7062 Feb 27 j 22:15 | 15°♑05'06 |            |
|                     | -7065 Oct 16 j 10:36 | 0°♈       |            | evening set         | -7062 Mar 16 j 18:20 | 9°♑44'49  |            |
|                     |                      |           |            | inferior conj       | -7062 Mar 21 j 10:03 | 6°♑53'51  | 6°24'14    |
| superior conj       | -7065 Oct 30 j 20:05 | 18°♑01'37 | 0°14'27    | minimum elong       | -7062 Mar 21 j 18:36 | 6°♑40'25  | 6°22'23    |
| minimum elong       | -7065 Oct 31 j 00:03 | 18°♑14'02 | 0°14'25    | min. Earth dist.    | -7062 Mar 22 j 07:55 | 6°♑19'30  | 0.29321 AU |
| behind sun begin    | -7065 Oct 30 j 11:06 | 17°♑33'33 |            | morning rise        | -7062 Mar 26 j 18:28 | 3°♑37'12  |            |
| behind sun end      | -7065 Oct 31 j 13:00 | 18°♑54'30 |            |                     | -7062 Apr 03 j 09:28 | 30°♑III   |            |
| max. Earth dist.    | -7065 Nov 05 j 20:44 | 25°♑33'15 | 1.71696 AU | direct              | -7062 Apr 12 j 08:16 | 28°♑25'59 |            |
| desc. node          | -7065 Nov 06 j 03:43 | 25°♑55'02 |            |                     | -7062 Apr 21 j 16:22 | 0°♒       |            |
|                     | -7065 Nov 09 j 10:18 | 0°♓       |            | greatest brilliancy | -7062 Apr 23 j 04:58 | 0°♒31'40  | -4.7m      |
|                     | -7065 Dec 03 j 13:56 | 0°♈       |            | desc. node          | -7062 Apr 23 j 00:35 | 0°♒27'39  |            |
| evening rise        | -7065 Dec 11 j 18:26 | 10°♈07'52 |            | morning max el      | -7062 May 31 j 16:27 | 28°♒52'14 | 46°11'08   |
|                     | -7065 Dec 27 j 21:00 | 0°♉       |            |                     | -7062 Jun 01 j 20:15 | 0°♉       |            |
|                     | -7064 Jan 21 j 07:44 | 0°♊       |            |                     | -7062 Jun 30 j 04:18 | 0°♉       |            |
|                     | -7064 Feb 14 j 23:48 | 0°♋       |            |                     | -7062 Jul 26 j 01:06 | 0°♊       |            |
| asc. node           | -7064 Feb 26 j 10:00 | 13°♋45'51 |            | asc. node           | -7062 Aug 13 j 10:43 | 22°♊14'18 |            |
|                     | -7064 Mar 11 j 00:01 | 0°♌       |            |                     | -7062 Aug 19 j 18:33 | 0°♊       |            |
|                     | -7064 Apr 05 j 12:25 | 0°♍       |            |                     | -7062 Sep 12 j 22:13 | 0°♋       |            |
|                     | -7064 May 01 j 20:10 | 0°♎       |            |                     | -7062 Oct 06 j 20:46 | 0°♌       |            |
|                     | -7064 May 29 j 19:18 | 0°♏       |            |                     | -7062 Oct 30 j 19:53 | 0°♍       |            |
| evening max el      | -7064 Jun 06 j 06:00 | 7°♏25'39  | 46°34'27   |                     | -7062 Nov 23 j 22:21 | 0°♎       |            |
| desc. node          | -7064 Jun 17 j 19:42 | 18°♏11'25 |            | desc. node          | -7062 Dec 03 j 16:57 | 12°♏06'46 |            |
|                     | -7064 Jul 02 j 19:51 | 0°♐       |            | morning set         | -7062 Dec 05 j 02:11 | 13°♏49'35 |            |
| greatest brilliancy | -7064 Jul 17 j 01:10 | 7°♐20'54  | -4.9m      |                     | -7062 Dec 18 j 04:26 | 0°♑       |            |
| retrograde          | -7064 Jul 26 j 06:23 | 8°♐55'01  |            |                     | -7061 Jan 11 j 12:57 | 0°♒       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 69

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
| superior conj       | -7061 Jan 14 j 07:13 | 3°♊23'45  | -1°15'10   | greatest brilliancy | -7059 Jul 02 j 20:41 | 9°♍10'04  | -4.8m      |
| minimum elong       | -7061 Jan 14 j 00:07 | 3°♊01'53  | 1°15'26    |                     | -7059 Aug 01 j 08:30 | 0°♋       |            |
| max. Earth dist.    | -7061 Jan 15 j 19:16 | 5°♊14'34  | 1.73348 AU | morning max el      | -7059 Aug 10 j 22:27 | 9°♋17'39  | 46°42'51   |
|                     | -7061 Feb 04 j 22:46 | 0°♊       |            |                     | -7059 Aug 30 j 07:15 | 0°♊       |            |
| evening rise        | -7061 Feb 20 j 13:57 | 19°♊11'08 |            | asc. node           | -7059 Sep 09 j 22:37 | 12°♊06'10 |            |
| greatest brilliancy | -7061 Feb 27 j 18:54 | 28°♊01'23 | -3.9m      |                     | -7059 Sep 25 j 04:17 | 0°♋       |            |
|                     | -7061 Mar 01 j 09:36 | 0°♋       |            |                     | -7059 Oct 20 j 00:19 | 0°♌       |            |
| asc. node           | -7061 Mar 25 j 22:30 | 0°♋01'32  |            |                     | -7059 Nov 13 j 12:29 | 0°♍       |            |
|                     | -7061 Mar 25 j 22:00 | 0°♋       |            |                     | -7059 Dec 08 j 00:15 | 0°♎       |            |
|                     | -7061 Apr 19 j 12:49 | 0°♍       |            | desc. node          | -7059 Dec 31 j 05:59 | 28°♎23'00 |            |
|                     | -7061 May 14 j 07:10 | 0°♋       |            |                     | -7058 Jan 01 j 13:48 | 0°♏       |            |
|                     | -7061 Jun 08 j 07:03 | 0°♊       |            |                     | -7058 Jan 26 j 04:18 | 0°♐       |            |
|                     | -7061 Jul 03 j 17:13 | 0°♋       |            | morning set         | -7058 Feb 15 j 07:56 | 24°♐35'42 |            |
| desc. node          | -7061 Jul 16 j 06:22 | 14°♋28'50 |            |                     | -7058 Feb 19 j 18:03 | 0°♌       |            |
|                     | -7061 Jul 30 j 01:14 | 0°♌       |            |                     | -7058 Mar 16 j 05:51 | 0°♍       |            |
| evening max el      | -7061 Aug 19 j 12:27 | 21°♌47'53 | 47°43'31   | max. Earth dist.    | -7058 Mar 21 j 01:17 | 5°♍54'17  | 1.73701 AU |
|                     | -7061 Aug 27 j 20:24 | 0°♍       |            |                     |                      |           |            |
| greatest brilliancy | -7061 Sep 29 j 18:52 | 23°♍46'04 | -4.9m      | superior conj       | -7058 Mar 23 j 11:05 | 8°♍51'48  | -1°01'36   |
| retrograde          | -7061 Oct 09 j 15:13 | 25°♍39'06 |            | minimum elong       | -7058 Mar 23 j 19:08 | 9°♍16'33  | 1°01'44    |
| evening set         | -7061 Oct 24 j 12:16 | 21°♍10'25 |            |                     | -7058 Apr 09 j 15:24 | 0°♋       |            |
| inferior conj       | -7061 Oct 30 j 09:29 | 17°♍36'30 | -1°35'03   | asc. node           | -7058 Apr 22 j 11:27 | 15°♋49'25 |            |
| minimum elong       | -7061 Oct 30 j 12:53 | 17°♍31'09 | 1°33'50    | evening rise        | -7058 Apr 27 j 23:01 | 22°♋35'26 |            |
| min. Earth dist.    | -7061 Oct 29 j 18:30 | 18°♍00'02 | 0.26945 AU |                     | -7058 May 03 j 22:59 | 0°♍       |            |
| morning rise        | -7061 Nov 05 j 14:11 | 13°♍53'54 |            |                     | -7058 May 28 j 05:14 | 0°♋       |            |
| asc. node           | -7061 Nov 05 j 18:00 | 13°♍48'44 |            |                     | -7058 Jun 21 j 11:13 | 0°♊       |            |
| direct              | -7061 Nov 19 j 17:30 | 9°♍50'05  |            |                     | -7058 Jul 15 j 18:44 | 0°♋       |            |
| greatest brilliancy | -7061 Nov 29 j 03:31 | 11°♍31'02 | -4.8m      |                     | -7058 Aug 09 j 06:32 | 0°♌       |            |
|                     | -7061 Dec 27 j 04:16 | 0°♎       |            | desc. node          | -7058 Aug 12 j 17:59 | 4°♌13'45  |            |
| morning max el      | -7060 Jan 08 j 02:14 | 11°♎02'40 | 46°09'56   |                     | -7058 Sep 03 j 02:50 | 0°♍       |            |
|                     | -7060 Jan 26 j 16:14 | 0°♏       |            |                     | -7058 Sep 28 j 15:49 | 0°♎       |            |
|                     | -7060 Feb 23 j 01:20 | 0°♐       |            |                     | -7058 Oct 25 j 20:29 | 0°♏       |            |
| desc. node          | -7060 Feb 26 j 04:39 | 3°♐32'21  |            | evening max el      | -7058 Oct 29 j 13:20 | 3°♏48'51  | 46°50'32   |
|                     | -7060 Mar 20 j 05:54 | 0°♊       |            |                     | -7058 Nov 28 j 22:36 | 0°♐       |            |
|                     | -7060 Apr 14 j 17:01 | 0°♋       |            | asc. node           | -7058 Dec 03 j 04:38 | 2°♐28'56  |            |
|                     | -7060 May 09 j 14:53 | 0°♋       |            | greatest brilliancy | -7058 Dec 07 j 22:40 | 4°♐42'24  | -4.8m      |
|                     | -7060 Jun 03 j 01:58 | 0°♍       |            | retrograde          | -7058 Dec 19 j 02:44 | 7°♐03'30  |            |
| asc. node           | -7060 Jun 17 j 11:33 | 17°♍52'35 |            | evening set         | -7057 Jan 04 j 14:36 | 1°♐36'36  |            |
|                     | -7060 Jun 27 j 04:31 | 0°♋       |            |                     | -7057 Jan 07 j 04:49 | 30°♏      |            |
| morning set         | -7060 Jul 02 j 13:58 | 6°♋45'32  |            | min. Earth dist.    | -7057 Jan 08 j 15:33 | 29°♏04'21 | 0.28968 AU |
|                     | -7060 Jul 21 j 01:11 | 0°♊       |            | inferior conj       | -7057 Jan 09 j 08:31 | 28°♏37'02 | 7°09'57    |
|                     |                      |           |            | minimum elong       | -7057 Jan 09 j 00:58 | 28°♏49'12 | 7°08'32    |
| superior conj       | -7060 Aug 10 j 04:31 | 25°♊26'16 | 1°23'17    | morning rise        | -7057 Jan 13 j 11:48 | 26°♏00'37 |            |
| minimum elong       | -7060 Aug 10 j 03:19 | 25°♊22'30 | 1°23'45    | direct              | -7057 Jan 30 j 18:03 | 20°♏16'18 |            |
| max. Earth dist.    | -7060 Aug 10 j 04:40 | 25°♊26'47 | 1.70836 AU | greatest brilliancy | -7057 Feb 08 j 15:23 | 21°♏43'50 | -4.7m      |
|                     | -7060 Aug 13 j 19:07 | 0°♋       |            |                     | -7057 Feb 24 j 14:28 | 0°♐       |            |
|                     | -7060 Sep 06 j 13:23 | 0°♌       |            | morning max el      | -7057 Mar 20 j 11:45 | 19°♐56'47 | 45°52'25   |
| evening rise        | -7060 Sep 20 j 15:20 | 17°♌43'11 |            | desc. node          | -7057 Mar 25 j 16:01 | 24°♐56'34 |            |
|                     | -7060 Sep 30 j 10:20 | 0°♍       |            |                     | -7057 Mar 30 j 17:52 | 0°♊       |            |
| desc. node          | -7060 Oct 07 j 16:46 | 9°♍05'40  |            |                     | -7057 Apr 27 j 19:38 | 0°♋       |            |
|                     | -7060 Oct 24 j 11:13 | 0°♎       |            |                     | -7057 May 23 j 23:44 | 0°♋       |            |
|                     | -7060 Nov 17 j 16:47 | 0°♏       |            |                     | -7057 Jun 18 j 02:52 | 0°♍       |            |
|                     | -7060 Dec 12 j 04:23 | 0°♐       |            |                     | -7057 Jul 12 j 13:43 | 0°♋       |            |
|                     | -7059 Jan 06 j 01:39 | 0°♊       |            | asc. node           | -7057 Jul 16 j 00:26 | 4°♋16'48  |            |
| asc. node           | -7059 Jan 28 j 00:18 | 25°♊47'14 |            |                     | -7057 Aug 05 j 13:56 | 0°♊       |            |
|                     | -7059 Jan 31 j 16:04 | 0°♋       |            |                     | -7057 Aug 29 j 08:30 | 0°♋       |            |
|                     | -7059 Feb 27 j 15:02 | 0°♋       |            | morning set         | -7057 Sep 16 j 02:45 | 22°♋27'45 |            |
| evening max el      | -7059 Mar 22 j 17:16 | 23°♋25'49 | 45°08'31   |                     | -7057 Sep 22 j 01:57 | 0°♌       |            |
|                     | -7059 Mar 29 j 21:17 | 0°♍       |            |                     | -7057 Oct 15 j 21:43 | 0°♍       |            |
| greatest brilliancy | -7059 Apr 29 j 20:31 | 20°♍39'45 | -4.7m      |                     |                      |           |            |
| retrograde          | -7059 May 10 j 02:58 | 22°♍31'34 |            | superior conj       | -7057 Oct 28 j 05:07 | 15°♍25'12 | 0°18'19    |
| desc. node          | -7059 May 20 j 11:18 | 20°♍27'11 |            | minimum elong       | -7057 Oct 28 j 10:07 | 15°♍40'49 | 0°18'15    |
| evening set         | -7059 May 24 j 17:59 | 18°♍29'01 |            | max. Earth dist.    | -7057 Nov 03 j 10:52 | 23°♍13'00 | 1.71632 AU |
| inferior conj       | -7059 May 31 j 05:00 | 14°♍47'02 | -2°31'18   | desc. node          | -7057 Nov 05 j 05:49 | 25°♍27'00 |            |
| minimum elong       | -7059 May 30 j 23:28 | 14°♍55'21 | 2°29'38    |                     | -7057 Nov 08 j 21:22 | 0°♎       |            |
| min. Earth dist.    | -7059 May 31 j 18:11 | 14°♍27'14 | 0.27706 AU |                     | -7057 Dec 03 j 00:59 | 0°♏       |            |
| morning rise        | -7059 Jun 06 j 04:13 | 11°♍19'07 |            | evening rise        | -7057 Dec 09 j 06:54 | 7°♏43'55  |            |
| direct              | -7059 Jun 21 j 12:54 | 6°♍49'42  |            |                     | -7057 Dec 27 j 08:03 | 0°♐       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -7056 Jan 20 j 18:55 | 0°☾       |            |                     | -7054 Jun 29 j 19:44 | 0°☿       |            |
|                     | -7056 Feb 14 j 11:19 | 0°♊       |            |                     | -7054 Jul 25 j 14:29 | 0°♋       |            |
| asc. node           | -7056 Feb 25 j 12:16 | 13°♊17'21 |            | asc. node           | -7054 Aug 12 j 13:01 | 21°♋42'50 |            |
|                     | -7056 Mar 10 j 12:13 | 0°♌       |            |                     | -7054 Aug 19 j 06:57 | 0°♍       |            |
|                     | -7056 Apr 05 j 01:51 | 0°☿       |            |                     | -7054 Sep 12 j 10:07 | 0°♎       |            |
|                     | -7056 May 01 j 12:00 | 0°♋       |            |                     | -7054 Oct 06 j 08:21 | 0°♏       |            |
|                     | -7056 May 29 j 16:58 | 0°♍       |            |                     | -7054 Oct 30 j 07:15 | 0°♐       |            |
| evening max el      | -7056 Jun 03 j 18:18 | 5°♍00'07  | 46°30'44   |                     | -7054 Nov 23 j 09:30 | 0°♑       |            |
| desc. node          | -7056 Jun 16 j 21:47 | 17°♍07'18 |            | morning set         | -7054 Dec 02 j 13:34 | 11°♑21'59 |            |
|                     | -7056 Jul 04 j 05:08 | 0°♎       |            | desc. node          | -7054 Dec 02 j 18:59 | 11°♑38'44 |            |
| greatest brilliancy | -7056 Jul 14 j 12:58 | 4°♎51'45  | -4.9m      |                     | -7054 Dec 17 j 15:23 | 0°♒       |            |
| retrograde          | -7056 Jul 23 j 17:27 | 6°♎25'13  |            |                     | -7053 Jan 10 j 23:45 | 0°♓       |            |
| evening set         | -7056 Aug 10 j 15:40 | 0°♎25'40  |            |                     |                      |           |            |
|                     | -7056 Aug 11 j 08:59 | 30°♏♍     |            | superior conj       | -7053 Jan 11 j 22:38 | 1°♓10'23  | -1°13'47   |
| inferior conj       | -7056 Aug 13 j 10:27 | 28°♏45'31 | -8°59'53   | minimum elong       | -7053 Jan 11 j 14:58 | 0°♓46'49  | 1°14'01    |
| minimum elong       | -7056 Aug 13 j 11:01 | 28°♏44'38 | 8°59'24    | max. Earth dist.    | -7053 Jan 13 j 12:50 | 3°♓07'51  | 1.73305 AU |
| min. Earth dist.    | -7056 Aug 13 j 09:45 | 28°♏46'34 | 0.26669 AU |                     | -7053 Feb 04 j 09:30 | 0°♑       |            |
| morning rise        | -7056 Aug 16 j 06:21 | 27°♏03'45 |            | evening rise        | -7053 Feb 18 j 08:13 | 17°♑07'00 |            |
| direct              | -7056 Sep 02 j 20:20 | 21°♏11'07 |            | greatest brilliancy | -7053 Feb 26 j 01:35 | 26°♑35'15 | -3.9m      |
| greatest brilliancy | -7056 Sep 13 j 06:05 | 23°♏14'26 | -4.9m      |                     | -7053 Feb 28 j 20:24 | 0°♒       |            |
|                     | -7056 Sep 25 j 14:25 | 0°♎       |            | asc. node           | -7053 Mar 25 j 00:40 | 29°♒34'32 |            |
| asc. node           | -7056 Oct 07 j 09:31 | 9°♎18'41  |            |                     | -7053 Mar 25 j 09:01 | 0°♌       |            |
| morning max el      | -7056 Oct 23 j 11:57 | 24°♎41'48 | 46°42'46   |                     | -7053 Apr 19 j 00:14 | 0°☿       |            |
|                     | -7056 Oct 28 j 14:41 | 0°♏       |            |                     | -7053 May 13 j 19:13 | 0°♋       |            |
|                     | -7056 Nov 24 j 18:36 | 0°♐       |            |                     | -7053 Jun 07 j 20:07 | 0°♍       |            |
|                     | -7056 Dec 20 j 15:26 | 0°♑       |            |                     | -7053 Jul 03 j 07:55 | 0°♎       |            |
|                     | -7055 Jan 15 j 01:49 | 0°♒       |            | desc. node          | -7053 Jul 15 j 08:38 | 13°♎50'04 |            |
| desc. node          | -7055 Jan 27 j 18:42 | 15°♒05'30 |            |                     | -7053 Jul 29 j 19:08 | 0°♏       |            |
|                     | -7055 Feb 09 j 06:46 | 0°♓       |            | evening max el      | -7053 Aug 17 j 02:33 | 19°♏24'05 | 47°43'07   |
|                     | -7055 Mar 06 j 06:32 | 0°♑       |            |                     | -7053 Aug 27 j 24:00 | 0°♐       |            |
|                     | -7055 Mar 31 j 00:30 | 0°♒       |            | greatest brilliancy | -7053 Sep 27 j 09:53 | 21°♐20'47 | -4.9m      |
| morning set         | -7055 Apr 23 j 04:44 | 28°♒22'13 |            | retrograde          | -7053 Oct 07 j 05:28 | 23°♐13'11 |            |
|                     | -7055 Apr 24 j 12:31 | 0°♌       |            | evening set         | -7053 Oct 22 j 03:32 | 18°♐42'22 |            |
|                     | -7055 May 18 j 19:01 | 0°☿       |            | inferior conj       | -7053 Oct 27 j 23:06 | 15°♐11'19 | -1°57'46   |
| asc. node           | -7055 May 20 j 00:31 | 1°☿31'37  |            | minimum elong       | -7053 Oct 28 j 03:18 | 15°♐04'45 | 1°56'18    |
| max. Earth dist.    | -7055 May 24 j 09:00 | 6°☿56'16  | 1.72456 AU | min. Earth dist.    | -7053 Oct 27 j 08:52 | 15°♐33'37 | 0.26899 AU |
|                     |                      |           |            | morning rise        | -7053 Nov 03 j 03:42 | 11°♐29'32 |            |
| superior conj       | -7055 May 28 j 22:52 | 12°☿38'09 | 0°20'42    | asc. node           | -7053 Nov 04 j 20:11 | 10°♐37'05 |            |
| minimum elong       | -7055 May 28 j 18:51 | 12°☿25'37 | 0°20'34    | direct              | -7053 Nov 17 j 06:35 | 7°♐25'40  |            |
|                     | -7055 Jun 11 j 20:54 | 0°♋       |            | greatest brilliancy | -7053 Nov 26 j 17:41 | 9°♐08'02  | -4.8m      |
| evening rise        | -7055 Jul 04 j 11:32 | 28°♋19'05 |            |                     | -7053 Dec 27 j 09:14 | 0°♑       |            |
|                     | -7055 Jul 05 j 19:43 | 0°♍       |            | morning max el      | -7052 Jan 05 j 17:31 | 8°♑46'57  | 46°11'13   |
|                     | -7055 Jul 29 j 17:34 | 0°♎       |            |                     | -7052 Jan 26 j 09:49 | 0°♒       |            |
|                     | -7055 Aug 22 j 16:51 | 0°♏       |            |                     | -7052 Feb 22 j 15:28 | 0°♓       |            |
| desc. node          | -7055 Sep 09 j 06:09 | 21°♏51'25 |            | desc. node          | -7052 Feb 25 j 06:50 | 2°♓59'13  |            |
|                     | -7055 Sep 15 j 19:43 | 0°♐       |            |                     | -7052 Mar 19 j 18:27 | 0°♑       |            |
|                     | -7055 Oct 10 j 04:14 | 0°♑       |            |                     | -7052 Apr 14 j 04:44 | 0°♒       |            |
|                     | -7055 Nov 03 j 21:40 | 0°♒       |            |                     | -7052 May 09 j 02:08 | 0°♌       |            |
|                     | -7055 Nov 29 j 07:55 | 0°♓       |            |                     | -7052 Jun 02 j 13:00 | 0°☿       |            |
|                     | -7055 Dec 26 j 07:51 | 0°♑       |            | asc. node           | -7052 Jun 16 j 13:42 | 17°☿25'03 |            |
| asc. node           | -7055 Dec 30 j 15:18 | 4°♑29'56  |            |                     | -7052 Jun 26 j 15:28 | 0°♋       |            |
| evening max el      | -7054 Jan 08 j 03:31 | 13°♑02'25 | 45°20'00   | morning set         | -7052 Jun 30 j 05:29 | 4°♋29'20  |            |
|                     | -7054 Jan 27 j 09:19 | 0°♒       |            |                     | -7052 Jul 20 j 12:11 | 0°♍       |            |
| greatest brilliancy | -7054 Feb 14 j 23:44 | 10°♒57'04 | -4.7m      |                     |                      |           |            |
| retrograde          | -7054 Feb 25 j 15:12 | 13°♒00'06 |            | superior conj       | -7052 Aug 07 j 16:46 | 22°♏58'24 | 1°23'00    |
| evening set         | -7054 Mar 14 j 13:33 | 7°♒35'31  |            | minimum elong       | -7052 Aug 07 j 14:39 | 22°♏51'43 | 1°23'27    |
| inferior conj       | -7054 Mar 19 j 03:07 | 4°♒47'42  | 6°35'10    | max. Earth dist.    | -7052 Aug 07 j 11:35 | 22°♏41'59 | 1.70859 AU |
| minimum elong       | -7054 Mar 19 j 11:29 | 4°♒34'33  | 6°33'24    |                     | -7052 Aug 13 j 06:11 | 0°♎       |            |
| min. Earth dist.    | -7054 Mar 20 j 00:27 | 4°♒14'10  | 0.29361 AU |                     | -7052 Sep 06 j 00:32 | 0°♏       |            |
| morning rise        | -7054 Mar 24 j 09:00 | 1°♒34'36  |            | evening rise        | -7052 Sep 17 j 23:16 | 15°♏02'11 |            |
|                     | -7054 Mar 27 j 05:59 | 30°♒♑     |            |                     | -7052 Sep 29 j 21:34 | 0°♐       |            |
| direct              | -7054 Apr 10 j 00:52 | 26°♑19'02 |            | desc. node          | -7052 Oct 06 j 18:48 | 8°♐36'46  |            |
| greatest brilliancy | -7054 Apr 20 j 21:24 | 28°♑24'23 | -4.7m      |                     | -7052 Oct 23 j 22:35 | 0°♑       |            |
| desc. node          | -7054 Apr 22 j 02:44 | 28°♑52'36 |            |                     | -7052 Nov 17 j 04:18 | 0°♒       |            |
|                     | -7054 Apr 24 j 16:28 | 0°♒       |            |                     | -7052 Dec 11 j 16:13 | 0°♓       |            |
| morning max el      | -7054 May 29 j 08:47 | 26°♒42'05 | 46°10'05   |                     | -7051 Jan 05 j 14:04 | 0°♑       |            |
|                     | -7054 Jun 01 j 17:27 | 0°♌       |            | asc. node           | -7051 Jan 27 j 02:38 | 25°♑15'13 |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|
|                     | -7051 Jan 31 j 05:46 | 0°♊       |            |                     |  | -7049 Aug 05 j 01:21 | 0°♊       |            |
|                     | -7051 Feb 27 j 07:50 | 0°♋       |            |                     |  | -7049 Aug 28 j 19:51 | 0°♋       |            |
| evening max el      | -7051 Mar 20 j 09:08 | 21°♋15'29 | 45°07'09   | morning set         |  | -7049 Sep 13 j 12:56 | 19°♋52'25 |            |
|                     | -7051 Mar 30 j 00:59 | 0°♌       |            |                     |  | -7049 Sep 21 j 13:17 | 0°♌       |            |
| greatest brilliancy | -7051 Apr 27 j 09:49 | 18°♌24'01 | -4.7m      |                     |  | -7049 Oct 15 j 09:02 | 0°♍       |            |
| retrograde          | -7051 May 07 j 16:51 | 20°♌15'51 |            |                     |  |                      |           |            |
| desc. node          | -7051 May 19 j 13:22 | 17°♌34'00 |            | superior conj       |  | -7049 Oct 25 j 13:37 | 12°♍46'20 | 0°22'11    |
| evening set         | -7051 May 22 j 07:40 | 16°♌13'56 |            | minimum elong       |  | -7049 Oct 25 j 19:36 | 13°♍05'03 | 0°22'06    |
| inferior conj       | -7051 May 28 j 19:10 | 12°♌30'44 | -2°10'21   | max. Earth dist.    |  | -7049 Oct 31 j 21:14 | 20°♍40'12 | 1.71569 AU |
| minimum elong       | -7051 May 28 j 14:22 | 12°♌37'58 | 2°08'55    | desc. node          |  | -7049 Nov 04 j 07:52 | 24°♍58'10 |            |
| min. Earth dist.    | -7051 May 29 j 08:59 | 12°♌09'53 | 0.27761 AU |                     |  | -7049 Nov 08 j 08:40 | 0°♎       |            |
| morning rise        | -7051 Jun 03 j 20:19 | 8°♌59'47  |            |                     |  | -7049 Dec 02 j 12:14 | 0°♎       |            |
| direct              | -7051 Jun 19 j 04:22 | 4°♌32'25  |            | evening rise        |  | -7049 Dec 06 j 18:34 | 5°♎16'43  |            |
| greatest brilliancy | -7051 Jun 30 j 11:21 | 6°♌51'53  | -4.8m      |                     |  | -7049 Dec 26 j 19:20 | 0°♏       |            |
|                     | -7051 Aug 01 j 10:57 | 0°♐       |            |                     |  | -7048 Jan 20 j 06:20 | 0°♐       |            |
| morning max el      | -7051 Aug 08 j 12:55 | 6°♐56'29  | 46°41'54   |                     |  | -7048 Feb 13 j 23:05 | 0°♑       |            |
|                     | -7051 Aug 30 j 00:34 | 0°♒       |            | asc. node           |  | -7048 Feb 24 j 14:23 | 12°♑47'40 |            |
| asc. node           | -7051 Sep 09 j 00:45 | 11°♒26'24 |            |                     |  | -7048 Mar 10 j 00:41 | 0°♋       |            |
|                     | -7051 Sep 24 j 18:46 | 0°♓       |            |                     |  | -7048 Apr 04 j 15:36 | 0°♌       |            |
|                     | -7051 Oct 19 j 13:27 | 0°♑       |            |                     |  | -7048 May 01 j 04:15 | 0°♍       |            |
|                     | -7051 Nov 13 j 00:50 | 0°♒       |            |                     |  | -7048 May 29 j 15:32 | 0°♎       |            |
|                     | -7051 Dec 07 j 12:05 | 0°♓       |            | evening max el      |  | -7048 Jun 01 j 06:09 | 2°♎33'32  | 46°27'15   |
| desc. node          | -7051 Dec 30 j 08:10 | 27°♓54'38 |            | desc. node          |  | -7048 Jun 16 j 00:04 | 16°♎01'58 |            |
|                     | -7050 Jan 01 j 01:15 | 0°♎       |            |                     |  | -7048 Jul 06 j 05:58 | 0°♓       |            |
|                     | -7050 Jan 25 j 15:28 | 0°♏       |            | greatest brilliancy |  | -7048 Jul 12 j 00:46 | 2°♓22'59  | -4.9m      |
| morning set         | -7050 Feb 13 j 01:08 | 22°♏28'08 |            | retrograde          |  | -7048 Jul 21 j 04:42 | 3°♓56'15  |            |
|                     | -7050 Feb 19 j 05:00 | 0°♐       |            |                     |  | -7048 Aug 04 j 11:26 | 30°♋♐     |            |
|                     | -7050 Mar 15 j 16:40 | 0°♑       |            | evening set         |  | -7048 Aug 08 j 02:29 | 27°♎58'48 |            |
| max. Earth dist.    | -7050 Mar 18 j 23:39 | 4°♑02'26  | 1.73711 AU | inferior conj       |  | -7048 Aug 10 j 22:34 | 26°♎16'54 | -8°59'27   |
|                     |                      |           |            | minimum elong       |  | -7048 Aug 10 j 22:09 | 26°♎17'33 | 8°59'00    |
| superior conj       | -7050 Mar 21 j 06:22 | 6°♑50'26  | -1°03'31   | min. Earth dist.    |  | -7048 Aug 10 j 22:16 | 26°♎17'21 | 0.26691 AU |
| minimum elong       | -7050 Mar 21 j 14:21 | 7°♑14'57  | 1°03'41    | morning rise        |  | -7048 Aug 13 j 17:46 | 24°♎36'15 |            |
|                     | -7050 Apr 09 j 02:12 | 0°♋       |            | direct              |  | -7048 Aug 31 j 08:17 | 18°♎41'55 |            |
| asc. node           | -7050 Apr 21 j 13:32 | 15°♋22'20 |            | greatest brilliancy |  | -7048 Sep 10 j 20:04 | 20°♎46'35 | -4.9m      |
| evening rise        | -7050 Apr 25 j 18:44 | 20°♋34'34 |            |                     |  | -7048 Sep 26 j 13:56 | 0°♓       |            |
|                     | -7050 May 03 j 09:55 | 0°♌       |            | asc. node           |  | -7048 Oct 06 j 11:43 | 8°♓12'02  |            |
|                     | -7050 May 27 j 16:26 | 0°♍       |            | morning max el      |  | -7048 Oct 21 j 00:14 | 22°♓11'15 | 46°43'27   |
|                     | -7050 Jun 20 j 22:48 | 0°♎       |            |                     |  | -7048 Oct 28 j 11:45 | 0°♑       |            |
|                     | -7050 Jul 15 j 06:50 | 0°♓       |            |                     |  | -7048 Nov 24 j 10:43 | 0°♒       |            |
|                     | -7050 Aug 08 j 19:20 | 0°♑       |            |                     |  | -7048 Dec 20 j 05:25 | 0°♓       |            |
| desc. node          | -7050 Aug 11 j 20:09 | 3°♑41'07  |            |                     |  | -7047 Jan 14 j 14:37 | 0°♎       |            |
|                     | -7050 Sep 02 j 16:42 | 0°♒       |            | desc. node          |  | -7047 Jan 26 j 20:53 | 14°♎35'06 |            |
|                     | -7050 Sep 28 j 07:38 | 0°♓       |            |                     |  | -7047 Feb 08 j 18:48 | 0°♏       |            |
|                     | -7050 Oct 25 j 17:17 | 0°♎       |            |                     |  | -7047 Mar 05 j 18:04 | 0°♐       |            |
| evening max el      | -7050 Oct 27 j 05:18 | 1°♎32'13  | 46°53'45   |                     |  | -7047 Mar 30 j 11:44 | 0°♑       |            |
|                     | -7050 Nov 30 j 09:23 | 0°♏       |            | morning set         |  | -7047 Apr 20 j 23:49 | 26°♑19'11 |            |
| asc. node           | -7050 Dec 02 j 06:50 | 0°♏59'21  |            |                     |  | -7047 Apr 23 j 23:37 | 0°♋       |            |
| greatest brilliancy | -7050 Dec 05 j 16:37 | 2°♏31'16  | -4.8m      |                     |  | -7047 May 18 j 06:05 | 0°♌       |            |
| retrograde          | -7050 Dec 16 j 19:36 | 4°♏51'18  |            | asc. node           |  | -7047 May 19 j 02:41 | 1°♌03'57  |            |
|                     | -7049 Jan 01 j 07:45 | 30°♋♎     |            | max. Earth dist.    |  | -7047 May 22 j 04:47 | 4°♌54'07  | 1.72515 AU |
| evening set         | -7049 Jan 02 j 04:53 | 29°♎28'45 |            |                     |  |                      |           |            |
| min. Earth dist.    | -7049 Jan 06 j 07:21 | 26°♎54'07 | 0.28903 AU | superior conj       |  | -7047 May 26 j 17:00 | 10°♌30'39 | 0°17'39    |
| inferior conj       | -7049 Jan 07 j 01:13 | 26°♎25'18 | 7°00'48    | minimum elong       |  | -7047 May 26 j 13:33 | 10°♌19'55 | 0°17'31    |
| minimum elong       | -7049 Jan 06 j 17:20 | 26°♎38'01 | 6°59'16    |                     |  | -7047 Jun 11 j 08:02 | 0°♍       |            |
| morning rise        | -7049 Jan 11 j 06:18 | 23°♎45'57 |            | evening rise        |  | -7047 Jul 02 j 03:36 | 26°♍03'47 |            |
| direct              | -7049 Jan 28 j 10:05 | 18°♎05'46 |            |                     |  | -7047 Jul 05 j 06:58 | 0°♎       |            |
| greatest brilliancy | -7049 Feb 06 j 06:15 | 19°♎32'15 | -4.7m      |                     |  | -7047 Jul 29 j 05:01 | 0°♓       |            |
|                     | -7049 Feb 25 j 07:46 | 0°♏       |            |                     |  | -7047 Aug 22 j 04:34 | 0°♑       |            |
| morning max el      | -7049 Mar 18 j 02:48 | 17°♏45'00 | 45°52'28   | desc. node          |  | -7047 Sep 08 j 08:11 | 21°♑20'42 |            |
| desc. node          | -7049 Mar 24 j 18:05 | 24°♏11'05 |            |                     |  | -7047 Sep 15 j 07:46 | 0°♒       |            |
|                     | -7049 Mar 30 j 12:53 | 0°♐       |            |                     |  | -7047 Oct 09 j 16:43 | 0°♓       |            |
|                     | -7049 Apr 27 j 10:17 | 0°♑       |            |                     |  | -7047 Nov 03 j 10:53 | 0°♎       |            |
|                     | -7049 May 23 j 12:37 | 0°♋       |            |                     |  | -7047 Nov 28 j 22:38 | 0°♏       |            |
|                     | -7049 Jun 17 j 14:55 | 0°♌       |            |                     |  | -7047 Dec 26 j 02:23 | 0°♐       |            |
|                     | -7049 Jul 12 j 01:20 | 0°♍       |            | asc. node           |  | -7047 Dec 29 j 17:40 | 3°♐45'54  |            |
| asc. node           | -7049 Jul 15 j 02:44 | 3°♍47'55  |            | evening max el      |  | -7046 Jan 05 j 18:40 | 10°♐48'41 | 45°22'19   |
| greatest brilliancy | -7049 Jul 22 j 15:32 | 13°♍11'20 | -3.9m      |                     |  | -7046 Jan 27 j 23:04 | 0°♑       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 72

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                                |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|--------------------------------|------------|
| greatest brilliancy | -7046 Feb 12 j 15:14 | 8° $\approx$ 48'19             | -4.7m      | max. Earth dist.    | -7044 Aug 04 j 15:21 | 19° $\Pi$ 46'23                | 1.70884 AU |
| retrograde          | -7046 Feb 23 j 08:22 | 10° $\approx$ 53'05            |            |                     |                      |                                |            |
| evening set         | -7046 Mar 12 j 08:32 | 5° $\approx$ 24'15             |            | superior conj       | -7044 Aug 05 j 05:12 | 20° $\Pi$ 30'11                | 1°22'32    |
| inferior conj       | -7046 Mar 16 j 19:57 | 2° $\approx$ 39'30             | 6°45'31    | minimum elong       | -7044 Aug 05 j 02:12 | 20° $\Pi$ 20'42                | 1°22'59    |
| minimum elong       | -7046 Mar 17 j 04:04 | 2° $\approx$ 26'43             | 6°43'52    |                     | -7044 Aug 12 j 17:34 | 0° $\Theta$                    |            |
| min. Earth dist.    | -7046 Mar 17 j 16:23 | 2° $\approx$ 07'23             | 0.29397 AU |                     | -7044 Sep 05 j 11:58 | 0° $\Omega$                    |            |
|                     | -7046 Mar 21 j 03:03 | 30° $\mathbb{R}$ 3             |            | evening rise        | -7044 Sep 15 j 07:23 | 12° $\Omega$ 20'46             |            |
| morning rise        | -7046 Mar 21 j 23:16 | 29° $\mathcal{S}$ 30'10        |            |                     | -7044 Sep 29 j 09:04 | 0° $\mathbb{P}$                |            |
| direct              | -7046 Apr 07 j 17:36 | 24° $\mathcal{S}$ 10'08        |            | desc. node          | -7044 Oct 05 j 20:55 | 8° $\mathbb{P}$ 07'23          |            |
| greatest brilliancy | -7046 Apr 18 j 13:05 | 26° $\mathcal{S}$ 14'47        | -4.7m      |                     | -7044 Oct 23 j 10:09 | 0° $\underline{\Omega}$        |            |
| desc. node          | -7046 Apr 21 j 04:54 | 27° $\mathcal{S}$ 19'09        |            |                     | -7044 Nov 16 j 16:02 | 0° $\mathbb{L}$                |            |
|                     | -7046 Apr 26 j 12:18 | 0° $\approx$                   |            |                     | -7044 Dec 11 j 04:15 | 0° $\mathcal{X}$               |            |
| morning max el      | -7046 May 27 j 01:50 | 24° $\approx$ 32'35            | 46°09'06   |                     | -7043 Jan 05 j 02:46 | 0° $\mathcal{Z}$               |            |
|                     | -7046 Jun 01 j 14:27 | 0° $\mathbb{H}$                |            | asc. node           | -7043 Jan 26 j 04:41 | 24° $\mathcal{Z}$ 41'22        |            |
|                     | -7046 Jun 29 j 11:22 | 0° $\mathbb{Y}$                |            |                     | -7043 Jan 30 j 19:53 | 0° $\approx$                   |            |
|                     | -7046 Jul 25 j 04:05 | 0° $\mathcal{B}$               |            |                     | -7043 Feb 27 j 01:23 | 0° $\mathbb{H}$                |            |
| asc. node           | -7046 Aug 11 j 15:05 | 21° $\mathcal{B}$ 09'45        |            | evening max el      | -7043 Mar 18 j 00:32 | 19° $\mathbb{H}$ 02'48         | 45°05'45   |
|                     | -7046 Aug 18 j 19:35 | 0° $\Pi$                       |            |                     | -7043 Mar 30 j 07:11 | 0° $\mathbb{Y}$                |            |
|                     | -7046 Sep 11 j 22:14 | 0° $\Theta$                    |            | greatest brilliancy | -7043 Apr 24 j 23:40 | 16° $\mathbb{Y}$ 07'39         | -4.7m      |
|                     | -7046 Oct 05 j 20:10 | 0° $\Omega$                    |            | retrograde          | -7043 May 05 j 06:08 | 17° $\mathbb{Y}$ 58'53         |            |
|                     | -7046 Oct 29 j 18:51 | 0° $\mathbb{P}$                |            | desc. node          | -7043 May 18 j 15:39 | 14° $\mathbb{Y}$ 34'55         |            |
|                     | -7046 Nov 22 j 20:57 | 0° $\underline{\Omega}$        |            | evening set         | -7043 May 19 j 21:27 | 13° $\mathbb{Y}$ 57'22         |            |
| morning set         | -7046 Nov 30 j 00:44 | 8° $\underline{\Omega}$ 52'35  |            | inferior conj       | -7043 May 26 j 09:15 | 10° $\mathbb{Y}$ 13'21         | -1°49'18   |
| desc. node          | -7046 Dec 01 j 21:09 | 11° $\underline{\Omega}$ 10'08 |            | minimum elong       | -7043 May 26 j 05:12 | 10° $\mathbb{Y}$ 19'29         | 1°48'04    |
|                     | -7046 Dec 17 j 02:41 | 0° $\mathbb{L}$                |            | min. Earth dist.    | -7043 May 27 j 00:06 | 9° $\mathbb{Y}$ 50'55          | 0.27815 AU |
|                     |                      |                                |            | morning rise        | -7043 Jun 01 j 12:09 | 6° $\mathbb{Y}$ 39'26          |            |
| superior conj       | -7045 Jan 09 j 13:25 | 28° $\mathbb{L}$ 53'44         | -1°12'16   | direct              | -7043 Jun 16 j 19:17 | 2° $\mathbb{Y}$ 14'01          |            |
| minimum elong       | -7045 Jan 09 j 05:14 | 28° $\mathbb{L}$ 28'34         | 1°12'27    | greatest brilliancy | -7043 Jun 28 j 02:23 | 4° $\mathbb{Y}$ 33'03          | -4.8m      |
|                     | -7045 Jan 10 j 10:57 | 0° $\mathcal{X}$               |            |                     | -7043 Aug 01 j 12:26 | 0° $\mathcal{B}$               |            |
| max. Earth dist.    | -7045 Jan 11 j 05:56 | 0° $\mathcal{X}$ 58'22         | 1.73267 AU | morning max el      | -7043 Aug 06 j 02:15 | 4° $\mathcal{B}$ 31'42         | 46°40'59   |
|                     | -7045 Feb 03 j 20:40 | 0° $\mathcal{Z}$               |            |                     | -7043 Aug 29 j 17:50 | 0° $\Pi$                       |            |
| evening rise        | -7045 Feb 16 j 01:52 | 14° $\mathcal{Z}$ 59'40        |            | asc. node           | -7043 Sep 08 j 02:52 | 10° $\Pi$ 46'15                |            |
| greatest brilliancy | -7045 Feb 24 j 10:13 | 25° $\mathcal{Z}$ 13'49        | -3.9m      |                     | -7043 Sep 24 j 09:19 | 0° $\Theta$                    |            |
|                     | -7045 Feb 28 j 07:38 | 0° $\approx$                   |            |                     | -7043 Oct 19 j 02:42 | 0° $\Omega$                    |            |
| asc. node           | -7045 Mar 24 j 02:44 | 29° $\approx$ 05'58            |            |                     | -7043 Nov 12 j 13:18 | 0° $\mathbb{P}$                |            |
|                     | -7045 Mar 24 j 20:27 | 0° $\mathbb{H}$                |            |                     | -7043 Dec 07 j 00:02 | 0° $\underline{\Omega}$        |            |
|                     | -7045 Apr 18 j 12:05 | 0° $\mathbb{Y}$                |            | desc. node          | -7043 Dec 29 j 10:19 | 27° $\underline{\Omega}$ 25'48 |            |
|                     | -7045 May 13 j 07:45 | 0° $\mathcal{B}$               |            |                     | -7043 Dec 31 j 12:48 | 0° $\mathbb{L}$                |            |
|                     | -7045 Jun 07 j 09:41 | 0° $\Pi$                       |            |                     | -7042 Jan 25 j 02:43 | 0° $\mathcal{X}$               |            |
|                     | -7045 Jul 02 j 23:12 | 0° $\Theta$                    |            | morning set         | -7042 Feb 10 j 18:22 | 20° $\mathcal{X}$ 20'14        |            |
| desc. node          | -7045 Jul 14 j 10:51 | 13° $\Theta$ 09'39             |            |                     | -7042 Feb 18 j 16:03 | 0° $\mathcal{Z}$               |            |
|                     | -7045 Jul 29 j 13:50 | 0° $\Omega$                    |            |                     | -7042 Mar 15 j 03:38 | 0° $\approx$                   |            |
| evening max el      | -7045 Aug 14 j 17:46 | 17° $\Omega$ 02'20             | 47°42'45   | max. Earth dist.    | -7042 Mar 16 j 20:33 | 2° $\approx$ 05'32             | 1.73727 AU |
|                     | -7045 Aug 28 j 05:41 | 0° $\mathbb{P}$                |            |                     |                      |                                |            |
| greatest brilliancy | -7045 Sep 25 j 00:31 | 18° $\mathbb{P}$ 54'35         | -4.9m      | superior conj       | -7042 Mar 19 j 01:36 | 4° $\approx$ 48'25             | -1°05'21   |
| retrograde          | -7045 Oct 04 j 20:06 | 20° $\mathbb{P}$ 46'35         |            | minimum elong       | -7042 Mar 19 j 09:29 | 5° $\approx$ 12'35             | 1°05'33    |
| evening set         | -7045 Oct 19 j 19:02 | 16° $\mathbb{P}$ 13'39         |            |                     | -7042 Apr 08 j 13:12 | 0° $\mathbb{H}$                |            |
| min. Earth dist.    | -7045 Oct 24 j 22:57 | 13° $\mathbb{P}$ 07'02         | 0.26854 AU | asc. node           | -7042 Apr 20 j 15:42 | 14° $\mathbb{H}$ 54'53         |            |
| inferior conj       | -7045 Oct 25 j 12:43 | 12° $\mathbb{P}$ 45'31         | -2°20'12   | evening rise        | -7042 Apr 23 j 14:15 | 18° $\mathbb{H}$ 32'26         |            |
| minimum elong       | -7045 Oct 25 j 17:41 | 12° $\mathbb{P}$ 37'45         | 2°18'30    |                     | -7042 May 02 j 21:05 | 0° $\mathbb{Y}$                |            |
| morning rise        | -7045 Oct 31 j 17:03 | 9° $\mathbb{P}$ 04'49          |            |                     | -7042 May 27 j 03:52 | 0° $\mathcal{B}$               |            |
| asc. node           | -7045 Nov 03 j 22:22 | 7° $\mathbb{P}$ 29'24          |            |                     | -7042 Jun 20 j 10:37 | 0° $\Pi$                       |            |
| direct              | -7045 Nov 14 j 20:10 | 5° $\mathbb{P}$ 00'52          |            |                     | -7042 Jul 14 j 19:10 | 0° $\Theta$                    |            |
| greatest brilliancy | -7045 Nov 24 j 07:22 | 6° $\mathbb{P}$ 43'52          | -4.9m      |                     | -7042 Aug 08 j 08:22 | 0° $\Omega$                    |            |
|                     | -7045 Dec 27 j 12:44 | 0° $\underline{\Omega}$        |            | desc. node          | -7042 Aug 10 j 22:11 | 3° $\Omega$ 07'28              |            |
| morning max el      | -7044 Jan 03 j 08:58 | 6° $\underline{\Omega}$ 30'44  | 46°12'11   |                     | -7042 Sep 02 j 06:50 | 0° $\mathbb{P}$                |            |
|                     | -7044 Jan 26 j 03:23 | 0° $\mathbb{L}$                |            |                     | -7042 Sep 27 j 23:50 | 0° $\underline{\Omega}$        |            |
|                     | -7044 Feb 22 j 05:53 | 0° $\mathcal{X}$               |            | evening max el      | -7042 Oct 24 j 20:35 | 29° $\underline{\Omega}$ 13'27 | 46°57'01   |
| desc. node          | -7044 Feb 24 j 08:51 | 2° $\mathcal{X}$ 24'34         |            |                     | -7042 Oct 25 j 14:53 | 0° $\mathbb{L}$                |            |
|                     | -7044 Mar 19 j 07:22 | 0° $\mathcal{Z}$               |            | asc. node           | -7042 Dec 01 j 09:09 | 29° $\mathbb{L}$ 26'54         |            |
|                     | -7044 Apr 13 j 16:49 | 0° $\approx$                   |            |                     | -7042 Dec 02 j 15:04 | 0° $\mathcal{X}$               |            |
|                     | -7044 May 08 j 13:44 | 0° $\mathbb{H}$                |            | greatest brilliancy | -7042 Dec 03 j 11:02 | 0° $\mathcal{X}$ 20'34         | -4.8m      |
|                     | -7044 Jun 02 j 00:21 | 0° $\mathbb{Y}$                |            | retrograde          | -7042 Dec 14 j 12:23 | 2° $\mathcal{X}$ 39'24         |            |
| asc. node           | -7044 Jun 15 j 15:53 | 16° $\mathbb{Y}$ 56'35         |            |                     | -7042 Dec 25 j 20:21 | 30° $\mathbb{L}$               |            |
|                     | -7044 Jun 26 j 02:45 | 0° $\mathcal{B}$               |            | evening set         | -7042 Dec 30 j 19:19 | 27° $\mathbb{L}$ 21'09         |            |
| morning set         | -7044 Jun 27 j 20:53 | 2° $\mathcal{B}$ 11'53         |            | min. Earth dist.    | -7041 Jan 03 j 23:38 | 24° $\mathbb{L}$ 43'49         | 0.28835 AU |
|                     | -7044 Jul 19 j 23:29 | 0° $\Pi$                       |            | inferior conj       | -7041 Jan 04 j 18:06 | 24° $\mathbb{L}$ 14'00         | 6°51'06    |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                |            |                     |                      |                                 |            |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|---------------------------------|------------|
| minimum elong       | -7041 Jan 04 j 09:55 | 24° $\mathbb{M}$ 27'12         | 6°49'26    | behind sun begin    | -7039 May 23 j 23:10 | 7° $\Upsilon$ 46'41             |            |
| morning rise        | -7041 Jan 09 j 01:01 | 21° $\mathbb{M}$ 31'40         |            | behind sun end      | -7039 May 24 j 17:53 | 8° $\Upsilon$ 44'54             |            |
| direct              | -7041 Jan 26 j 01:42 | 15° $\mathbb{M}$ 55'38         |            |                     | -7039 Jun 10 j 18:59 | 0° $\mathcal{B}$                |            |
| greatest brilliancy | -7041 Feb 03 j 21:48 | 17° $\mathbb{M}$ 21'44         | -4.7m      | evening rise        | -7039 Jun 29 j 19:52 | 23° $\mathcal{B}$ 49'33         |            |
|                     | -7041 Feb 25 j 20:33 | 0° $\mathcal{A}$               |            |                     | -7039 Jul 04 j 18:06 | 0° $\mathbb{I}$                 |            |
| morning max el      | -7041 Mar 15 j 17:36 | 15° $\mathcal{A}$ 32'42        | 45°52'29   |                     | -7039 Jul 28 j 16:23 | 0° $\mathcal{E}$                |            |
| desc. node          | -7041 Mar 23 j 20:18 | 23° $\mathcal{A}$ 26'47        |            |                     | -7039 Aug 21 j 16:12 | 0° $\mathcal{Q}$                |            |
|                     | -7041 Mar 30 j 07:21 | 0° $\mathcal{Z}$               |            | desc. node          | -7039 Sep 07 j 10:21 | 20° $\mathcal{Q}$ 50'44         |            |
|                     | -7041 Apr 27 j 00:48 | 0° $\approx$                   |            |                     | -7039 Sep 14 j 19:43 | 0° $\mathbb{M}$                 |            |
|                     | -7041 May 23 j 01:32 | 0° $\mathcal{H}$               |            |                     | -7039 Oct 09 j 05:05 | 0° $\mathcal{L}$                |            |
|                     | -7041 Jun 17 j 03:03 | 0° $\Upsilon$                  |            |                     | -7039 Nov 02 j 23:59 | 0° $\mathbb{M}$                 |            |
|                     | -7041 Jul 11 j 13:03 | 0° $\mathcal{B}$               |            |                     | -7039 Nov 28 j 13:16 | 0° $\mathcal{A}$                |            |
| asc. node           | -7041 Jul 14 j 04:48 | 3° $\mathcal{B}$ 18'03         |            |                     | -7039 Dec 25 j 21:04 | 0° $\mathcal{Z}$                |            |
| greatest brilliancy | -7041 Jul 28 j 11:31 | 21° $\mathcal{B}$ 08'17        | -3.9m      | asc. node           | -7039 Dec 28 j 19:45 | 3° $\mathcal{Z}$ 01'22          |            |
|                     | -7041 Aug 04 j 12:51 | 0° $\mathbb{I}$                |            | evening max el      | -7038 Jan 03 j 10:53 | 8° $\mathcal{Z}$ 38'23          | 45°24'46   |
|                     | -7041 Aug 28 j 07:13 | 0° $\mathcal{E}$               |            |                     | -7038 Jan 28 j 16:51 | 0° $\approx$                    |            |
| morning set         | -7041 Sep 10 j 23:06 | 17° $\mathcal{E}$ 16'53        |            | greatest brilliancy | -7038 Feb 10 j 07:00 | 6° $\approx$ 41'16              | -4.7m      |
|                     | -7041 Sep 21 j 00:37 | 0° $\mathcal{Q}$               |            | retrograde          | -7038 Feb 21 j 01:58 | 8° $\approx$ 47'38              |            |
|                     | -7041 Oct 14 j 20:20 | 0° $\mathbb{M}$                |            | evening set         | -7038 Mar 10 j 03:45 | 3° $\approx$ 14'55              |            |
|                     |                      |                                |            | inferior conj       | -7038 Mar 14 j 13:03 | 0° $\approx$ 32'59              | 6°55'18    |
| superior conj       | -7041 Oct 22 j 22:08 | 10° $\mathbb{M}$ 07'27         | 0°26'00    | minimum elong       | -7038 Mar 14 j 20:53 | 0° $\approx$ 20'39              | 6°53'45    |
| minimum elong       | -7041 Oct 23 j 05:04 | 10° $\mathbb{M}$ 29'09         | 0°25'54    |                     | -7038 Mar 15 j 10:01 | 30° $\mathcal{R}$ $\mathcal{Z}$ |            |
| max. Earth dist.    | -7041 Oct 29 j 04:26 | 17° $\mathbb{M}$ 57'31         | 1.71505 AU | min. Earth dist.    | -7038 Mar 15 j 08:13 | 0° $\approx$ 02'50              | 0.29426 AU |
| desc. node          | -7041 Nov 03 j 10:03 | 24° $\mathbb{M}$ 29'46         |            | morning rise        | -7038 Mar 19 j 13:47 | 27° $\mathcal{Z}$ 27'28         |            |
|                     | -7041 Nov 07 j 19:57 | 0° $\mathcal{L}$               |            | direct              | -7038 Apr 05 j 11:02 | 22° $\mathcal{Z}$ 03'14         |            |
|                     | -7041 Dec 01 j 23:28 | 0° $\mathbb{M}$                |            | greatest brilliancy | -7038 Apr 16 j 04:17 | 24° $\mathcal{Z}$ 06'22         | -4.7m      |
| evening rise        | -7041 Dec 04 j 06:12 | 2° $\mathbb{M}$ 49'24          |            | desc. node          | -7038 Apr 20 j 07:06 | 25° $\mathcal{Z}$ 50'25         |            |
|                     | -7041 Dec 26 j 06:33 | 0° $\mathcal{A}$               |            |                     | -7038 Apr 27 j 17:26 | 0° $\approx$                    |            |
|                     | -7040 Jan 19 j 17:40 | 0° $\mathcal{Z}$               |            | morning max el      | -7038 May 24 j 19:20 | 22° $\approx$ 25'46             | 46°08'01   |
|                     | -7040 Feb 13 j 10:45 | 0° $\approx$                   |            |                     | -7038 Jun 01 j 10:15 | 0° $\mathcal{H}$                |            |
| asc. node           | -7040 Feb 23 j 16:33 | 12° $\approx$ 18'30            |            |                     | -7038 Jun 29 j 02:22 | 0° $\Upsilon$                   |            |
|                     | -7040 Mar 09 j 13:04 | 0° $\mathcal{H}$               |            |                     | -7038 Jul 24 j 17:17 | 0° $\mathcal{B}$                |            |
|                     | -7040 Apr 04 j 05:21 | 0° $\Upsilon$                  |            | asc. node           | -7038 Aug 10 j 17:14 | 20° $\mathcal{B}$ 37'49         |            |
|                     | -7040 Apr 30 j 20:43 | 0° $\mathcal{B}$               |            |                     | -7038 Aug 18 j 07:56 | 0° $\mathbb{I}$                 |            |
|                     | -7040 May 29 j 15:05 | 0° $\mathbb{I}$                |            |                     | -7038 Sep 11 j 10:08 | 0° $\mathcal{E}$                |            |
| evening max el      | -7040 May 29 j 18:04 | 0° $\mathbb{I}$ 07'15          | 46°23'35   |                     | -7038 Oct 05 j 07:49 | 0° $\mathcal{Q}$                |            |
| desc. node          | -7040 Jun 15 j 02:15 | 14° $\mathbb{I}$ 54'20         |            |                     | -7038 Oct 29 j 06:16 | 0° $\mathbb{M}$                 |            |
| greatest brilliancy | -7040 Jul 09 j 11:57 | 29° $\mathbb{I}$ 53'11         | -4.9m      |                     | -7038 Nov 22 j 08:09 | 0° $\mathcal{L}$                |            |
|                     | -7040 Jul 09 j 20:24 | 0° $\mathcal{E}$               |            | morning set         | -7038 Nov 27 j 11:37 | 6° $\mathcal{L}$ 22'57          |            |
| retrograde          | -7040 Jul 18 j 16:15 | 1° $\mathcal{E}$ 26'59         |            | desc. node          | -7038 Nov 30 j 23:16 | 10° $\mathcal{L}$ 42'09         |            |
|                     | -7040 Jul 27 j 05:04 | 30° $\mathcal{R}$ $\mathbb{I}$ |            |                     | -7038 Dec 16 j 13:43 | 0° $\mathbb{M}$                 |            |
| evening set         | -7040 Aug 05 j 12:29 | 25° $\mathbb{I}$ 32'11         |            |                     |                      |                                 |            |
| inferior conj       | -7040 Aug 08 j 10:31 | 23° $\mathbb{I}$ 47'48         | -8°57'57   | superior conj       | -7037 Jan 07 j 03:56 | 26° $\mathbb{M}$ 37'04          | -1°10'36   |
| minimum elong       | -7040 Aug 08 j 09:04 | 23° $\mathbb{I}$ 49'58         | 8°57'28    | minimum elong       | -7037 Jan 06 j 19:16 | 26° $\mathbb{M}$ 10'24          | 1°10'45    |
| min. Earth dist.    | -7040 Aug 08 j 10:28 | 23° $\mathbb{I}$ 47'53         | 0.26715 AU | max. Earth dist.    | -7037 Jan 09 j 00:52 | 28° $\mathbb{M}$ 55'21          | 1.73225 AU |
| morning rise        | -7040 Aug 11 j 05:35 | 22° $\mathbb{I}$ 07'34         |            |                     | -7037 Jan 09 j 21:52 | 0° $\mathcal{A}$                |            |
| direct              | -7040 Aug 28 j 20:22 | 16° $\mathbb{I}$ 12'08         |            |                     | -7037 Feb 03 j 07:33 | 0° $\mathcal{Z}$                |            |
| greatest brilliancy | -7040 Sep 08 j 09:47 | 18° $\mathbb{I}$ 18'20         | -4.9m      | evening rise        | -7037 Feb 13 j 19:34 | 12° $\mathcal{Z}$ 53'28         |            |
|                     | -7040 Sep 27 j 07:26 | 0° $\mathcal{E}$               |            | greatest brilliancy | -7037 Feb 23 j 05:33 | 24° $\mathcal{Z}$ 26'08         | -3.9m      |
| asc. node           | -7040 Oct 05 j 14:00 | 7° $\mathcal{E}$ 07'19         |            |                     | -7037 Feb 27 j 18:33 | 0° $\approx$                    |            |
| morning max el      | -7040 Oct 18 j 13:20 | 19° $\mathcal{E}$ 42'58        | 46°44'15   | asc. node           | -7037 Mar 23 j 04:59 | 28° $\approx$ 38'59             |            |
|                     | -7040 Oct 28 j 08:05 | 0° $\mathcal{Q}$               |            |                     | -7037 Mar 24 j 07:34 | 0° $\mathcal{H}$                |            |
|                     | -7040 Nov 24 j 02:27 | 0° $\mathbb{M}$                |            |                     | -7037 Apr 17 j 23:36 | 0° $\Upsilon$                   |            |
|                     | -7040 Dec 19 j 19:08 | 0° $\mathcal{L}$               |            |                     | -7037 May 12 j 19:56 | 0° $\mathcal{B}$                |            |
|                     | -7039 Jan 14 j 03:10 | 0° $\mathbb{M}$                |            |                     | -7037 Jun 06 j 22:56 | 0° $\mathbb{I}$                 |            |
| desc. node          | -7039 Jan 25 j 22:51 | 14° $\mathbb{M}$ 04'43         |            |                     | -7037 Jul 02 j 14:16 | 0° $\mathcal{E}$                |            |
|                     | -7039 Feb 08 j 06:36 | 0° $\mathcal{A}$               |            | desc. node          | -7037 Jul 13 j 12:52 | 12° $\mathcal{E}$ 29'23         |            |
|                     | -7039 Mar 05 j 05:21 | 0° $\mathcal{Z}$               |            |                     | -7037 Jul 29 j 08:39 | 0° $\mathcal{Q}$                |            |
|                     | -7039 Mar 29 j 22:44 | 0° $\approx$                   |            | evening max el      | -7037 Aug 12 j 09:30 | 14° $\mathcal{Q}$ 42'36         | 47°41'49   |
| morning set         | -7039 Apr 18 j 19:17 | 24° $\approx$ 18'08            |            |                     | -7037 Aug 28 j 13:21 | 0° $\mathbb{M}$                 |            |
|                     | -7039 Apr 23 j 10:28 | 0° $\mathcal{H}$               |            | greatest brilliancy | -7037 Sep 22 j 15:00 | 16° $\mathbb{M}$ 28'04          | -4.9m      |
|                     | -7039 May 17 j 16:56 | 0° $\Upsilon$                  |            | retrograde          | -7037 Oct 02 j 10:13 | 18° $\mathbb{M}$ 19'08          |            |
| asc. node           | -7039 May 18 j 04:54 | 0° $\Upsilon$ 37'10            |            | evening set         | -7037 Oct 17 j 10:25 | 13° $\mathbb{M}$ 19'05          |            |
| max. Earth dist.    | -7039 May 20 j 01:47 | 2° $\Upsilon$ 56'31            | 1.72579 AU | min. Earth dist.    | -7037 Oct 22 j 12:50 | 10° $\mathbb{M}$ 39'39          | 0.26811 AU |
|                     |                      |                                |            | inferior conj       | -7037 Oct 23 j 02:01 | 10° $\mathbb{M}$ 19'05          | -2°42'47   |
| superior conj       | -7039 May 24 j 11:23 | 8° $\Upsilon$ 24'42            | 0°14'37    | minimum elong       | -7037 Oct 23 j 07:44 | 10° $\mathbb{M}$ 10'09          | 2°40'51    |
| minimum elong       | -7039 May 24 j 08:31 | 8° $\Upsilon$ 15'48            | 0°14'29    | morning rise        | -7037 Oct 29 j 05:48 | 6° $\mathbb{M}$ 39'36           |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 74

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                      |                      |                      |
|---------------------|----------------------|-----------|------------|----------------------|----------------------|----------------------|
| asc. node           | -7037 Nov 03 j 00:39 | 4°♎25'36  |            | -7034 May 02 j 08:01 | 0°♑                  |                      |
| direct              | -7037 Nov 12 j 09:39 | 2°♎35'37  |            | -7034 May 26 j 15:05 | 0°♎                  |                      |
| greatest brilliancy | -7037 Nov 21 j 20:46 | 4°♎18'55  | -4.9m      | -7034 Jun 19 j 22:12 | 0°♎                  |                      |
|                     | -7037 Dec 27 j 14:34 | 0°♎       |            | -7034 Jul 14 j 07:13 | 0°♎                  |                      |
| morning max el      | -7037 Dec 31 j 23:39 | 4°♎12'57  | 46°13'17   | -7034 Aug 07 j 21:07 | 0°♎                  |                      |
|                     | -7036 Jan 25 j 20:19 | 0°♎       |            | desc. node           | -7034 Aug 10 j 00:27 | 2°♎35'27             |
|                     | -7036 Feb 21 j 19:49 | 0°♎       |            |                      | -7034 Sep 01 j 20:42 | 0°♎                  |
| desc. node          | -7036 Feb 23 j 11:07 | 1°♎51'48  |            |                      | -7034 Sep 27 j 15:53 | 0°♎                  |
|                     | -7036 Mar 18 j 19:50 | 0°♎       |            | evening max el       | -7034 Oct 22 j 11:15 | 26°♎53'49 47°00'00   |
|                     | -7036 Apr 13 j 04:29 | 0°♎       |            |                      | -7034 Oct 25 j 12:58 | 0°♎                  |
|                     | -7036 May 08 j 00:57 | 0°♎       |            | asc. node            | -7034 Nov 30 j 11:16 | 27°♎51'00            |
|                     | -7036 Jun 01 j 11:19 | 0°♑       |            | greatest brilliancy  | -7034 Dec 01 j 04:56 | 28°♎09'08 -4.8m      |
| asc. node           | -7036 Jun 14 j 17:58 | 16°♑29'05 |            |                      | -7034 Dec 07 j 10:14 | 0°♎                  |
| morning set         | -7036 Jun 25 j 13:01 | 29°♑58'02 |            | retrograde           | -7034 Dec 12 j 04:58 | 0°♎27'21             |
|                     | -7036 Jun 25 j 13:38 | 0°♎       |            |                      | -7034 Dec 16 j 21:15 | 30°♎                 |
|                     | -7036 Jul 19 j 10:24 | 0°♎       |            | evening set          | -7034 Dec 28 j 09:30 | 25°♎13'02            |
| max. Earth dist.    | -7036 Aug 01 j 18:27 | 16°♎50'01 | 1.70916 AU | min. Earth dist.     | -7033 Jan 01 j 15:54 | 22°♎32'51 0.28772 AU |
|                     |                      |           |            | inferior conj        | -7033 Jan 02 j 10:47 | 22°♎02'23 6°40'31    |
| superior conj       | -7036 Aug 02 j 18:24 | 18°♎05'41 | 1°21'56    | minimum elong        | -7033 Jan 02 j 02:23 | 22°♎15'57 6°38'46    |
| minimum elong       | -7036 Aug 02 j 14:35 | 17°♎53'39 | 1°22'21    | morning rise         | -7033 Jan 06 j 19:44 | 19°♎16'55            |
|                     | -7036 Aug 12 j 04:33 | 0°♎       |            | direct               | -7033 Jan 23 j 16:55 | 13°♎44'52            |
|                     | -7036 Sep 04 j 23:05 | 0°♎       |            | greatest brilliancy  | -7033 Feb 01 j 13:47 | 15°♎11'21 -4.7m      |
| evening rise        | -7036 Sep 12 j 15:49 | 9°♎41'19  |            |                      | -7033 Feb 26 j 06:05 | 0°♎                  |
|                     | -7036 Sep 28 j 20:17 | 0°♎       |            | morning max el       | -7033 Mar 13 j 08:40 | 13°♎21'04 45°52'39   |
| desc. node          | -7036 Oct 04 j 23:06 | 7°♎39'01  |            | desc. node           | -7033 Mar 22 j 22:30 | 22°♎43'13            |
|                     | -7036 Oct 22 j 21:32 | 0°♎       |            |                      | -7033 Mar 30 j 01:19 | 0°♎                  |
|                     | -7036 Nov 16 j 03:36 | 0°♎       |            |                      | -7033 Apr 26 j 15:02 | 0°♎                  |
|                     | -7036 Dec 10 j 16:08 | 0°♎       |            |                      | -7033 May 22 j 14:12 | 0°♎                  |
|                     | -7035 Jan 04 j 15:18 | 0°♎       |            |                      | -7033 Jun 16 j 14:57 | 0°♑                  |
| asc. node           | -7035 Jan 25 j 06:53 | 24°♎08'32 |            |                      | -7033 Jul 11 j 00:34 | 0°♎                  |
|                     | -7035 Jan 30 j 09:53 | 0°♎       |            | asc. node            | -7033 Jul 13 j 06:54 | 2°♎48'51             |
|                     | -7035 Feb 26 j 18:59 | 0°♎       |            | greatest brilliancy  | -7033 Jul 31 j 01:43 | 25°♎03'12 -3.9m      |
| evening max el      | -7035 Mar 15 j 15:14 | 16°♎49'29 | 45°04'32   |                      | -7033 Aug 04 j 00:08 | 0°♎                  |
|                     | -7035 Mar 30 j 15:10 | 0°♑       |            |                      | -7033 Aug 27 j 18:24 | 0°♎                  |
| greatest brilliancy | -7035 Apr 22 j 14:00 | 13°♑53'23 | -4.7m      | morning set          | -7033 Sep 08 j 09:46 | 14°♎43'29            |
| retrograde          | -7035 May 02 j 19:28 | 15°♑44'05 |            |                      | -7033 Sep 20 j 11:45 | 0°♎                  |
| evening set         | -7035 May 17 j 11:40 | 11°♑42'24 |            |                      | -7033 Oct 14 j 07:27 | 0°♎                  |
| desc. node          | -7035 May 17 j 17:50 | 11°♑34'21 |            |                      |                      |                      |
| inferior conj       | -7035 May 23 j 23:38 | 7°♑58'06  | -1°28'17   | superior conj        | -7033 Oct 20 j 06:59 | 7°♎30'09 0°29'45     |
| minimum elong       | -7035 May 23 j 20:21 | 8°♑03'05  | 1°27'18    | minimum elong        | -7033 Oct 20 j 14:48 | 7°♎54'39 0°29'37     |
| min. Earth dist.    | -7035 May 24 j 15:44 | 7°♑33'43  | 0.27867 AU | max. Earth dist.     | -7033 Oct 26 j 10:31 | 15°♎11'56 1.71446 AU |
| morning rise        | -7035 May 30 j 04:06 | 4°♑21'27  |            | desc. node           | -7033 Nov 02 j 12:07 | 24°♎01'39            |
|                     | -7035 Jun 12 j 23:17 | 30°♎      |            |                      | -7033 Nov 07 j 07:01 | 0°♎                  |
| direct              | -7035 Jun 14 j 09:57 | 29°♎57'34 |            |                      | -7033 Dec 01 j 10:32 | 0°♎                  |
|                     | -7035 Jun 15 j 20:49 | 0°♑       |            | evening rise         | -7033 Dec 01 j 17:51 | 0°♎22'39             |
| greatest brilliancy | -7035 Jun 25 j 18:13 | 2°♑16'59  | -4.8m      |                      | -7033 Dec 25 j 17:39 | 0°♎                  |
|                     | -7035 Aug 01 j 12:08 | 0°♎       |            |                      | -7032 Jan 19 j 04:57 | 0°♎                  |
| morning max el      | -7035 Aug 03 j 15:21 | 2°♎07'47  | 46°40'12   |                      | -7032 Feb 12 j 22:26 | 0°♎                  |
|                     | -7035 Aug 29 j 10:17 | 0°♎       |            | asc. node            | -7032 Feb 22 j 18:48 | 11°♎49'35            |
| asc. node           | -7035 Sep 07 j 05:11 | 10°♎08'21 |            |                      | -7032 Mar 09 j 01:31 | 0°♎                  |
|                     | -7035 Sep 23 j 23:19 | 0°♎       |            |                      | -7032 Apr 03 j 19:13 | 0°♑                  |
|                     | -7035 Oct 18 j 15:32 | 0°♎       |            |                      | -7032 Apr 30 j 13:26 | 0°♎                  |
|                     | -7035 Nov 12 j 01:28 | 0°♎       |            | evening max el       | -7032 May 27 j 06:41 | 27°♎43'11 46°20'08   |
|                     | -7035 Dec 06 j 11:44 | 0°♎       |            |                      | -7032 May 29 j 15:37 | 0°♎                  |
| desc. node          | -7035 Dec 28 j 12:19 | 26°♎57'08 |            | desc. node           | -7032 Jun 14 j 04:20 | 13°♎44'52            |
|                     | -7035 Dec 31 j 00:10 | 0°♎       |            | greatest brilliancy  | -7032 Jul 06 j 22:25 | 27°♎23'10 -4.9m      |
|                     | -7034 Jan 24 j 13:47 | 0°♎       |            | retrograde           | -7032 Jul 16 j 04:16 | 28°♎58'15            |
| morning set         | -7034 Feb 08 j 11:03 | 18°♎11'17 |            | evening set          | -7032 Aug 02 j 22:02 | 23°♎06'33            |
|                     | -7034 Feb 18 j 02:53 | 0°♎       |            | inferior conj        | -7032 Aug 05 j 22:26 | 21°♎19'00 -8°55'27   |
| max. Earth dist.    | -7034 Mar 14 j 16:36 | 0°♎06'52  | 1.73738 AU | minimum elong        | -7032 Aug 05 j 20:01 | 21°♎22'37 8°54'54    |
|                     | -7034 Mar 14 j 14:22 | 0°♎       |            | min. Earth dist.     | -7032 Aug 05 j 22:17 | 21°♎19'13 0.26739 AU |
|                     |                      |           |            | morning rise         | -7032 Aug 08 j 17:56 | 19°♎38'24            |
| superior conj       | -7034 Mar 16 j 20:37 | 2°♎46'30  | -1°07'07   | direct               | -7032 Aug 26 j 09:09 | 13°♎42'47            |
| minimum elong       | -7034 Mar 17 j 04:20 | 3°♎10'10  | 1°07'20    | greatest brilliancy  | -7032 Sep 05 j 23:02 | 15°♎49'55 -4.9m      |
|                     | -7034 Apr 07 j 23:58 | 0°♎       |            |                      | -7032 Sep 27 j 20:25 | 0°♎                  |
| asc. node           | -7034 Apr 19 j 17:53 | 14°♎28'12 |            | asc. node            | -7032 Oct 04 j 16:09 | 6°♎04'12             |
| evening rise        | -7034 Apr 21 j 09:47 | 16°♎31'12 |            | morning max el       | -7032 Oct 16 j 03:14 | 17°♎17'08 46°45'05   |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |  |                     |                      |           |            |  |  |
|---------------------|----------------------|-----------|------------|--|--|---------------------|----------------------|-----------|------------|--|--|
|                     | -7032 Oct 28 j 03:40 | 0°♈       |            |  |  |                     | -7029 Mar 23 j 18:54 | 0°♏       |            |  |  |
|                     | -7032 Nov 23 j 17:49 | 0°♐       |            |  |  |                     | -7029 Apr 17 j 11:24 | 0°♑       |            |  |  |
|                     | -7032 Dec 19 j 08:37 | 0°♑       |            |  |  |                     | -7029 May 12 j 08:28 | 0°♒       |            |  |  |
|                     | -7031 Jan 13 j 15:34 | 0°♒       |            |  |  |                     | -7029 Jun 06 j 12:37 | 0°♓       |            |  |  |
| desc. node          | -7031 Jan 25 j 01:05 | 13°♒35'22 |            |  |  |                     | -7029 Jul 02 j 05:51 | 0°♈       |            |  |  |
|                     | -7031 Feb 07 j 18:19 | 0°♏       |            |  |  | desc. node          | -7029 Jul 12 j 15:11 | 11°♈48'36 |            |  |  |
|                     | -7031 Mar 04 j 16:40 | 0°♐       |            |  |  |                     | -7029 Jul 29 j 04:15 | 0°♈       |            |  |  |
|                     | -7031 Mar 29 j 09:47 | 0°♑       |            |  |  | evening max el      | -7029 Aug 10 j 00:47 | 12°♈20'59 | 47°40'52   |  |  |
| morning set         | -7031 Apr 16 j 14:32 | 22°♑16'11 |            |  |  |                     | -7029 Aug 28 j 23:59 | 0°♐       |            |  |  |
|                     | -7031 Apr 22 j 21:25 | 0°♏       |            |  |  | greatest brilliancy | -7029 Sep 20 j 05:53 | 14°♐01'31 | -4.9m      |  |  |
| asc. node           | -7031 May 17 j 06:56 | 0°♑09'35  |            |  |  | retrograde          | -7029 Sep 29 j 23:56 | 15°♐50'59 |            |  |  |
|                     | -7031 May 17 j 03:51 | 0°♑       |            |  |  | evening set         | -7029 Oct 15 j 02:02 | 11°♐14'08 |            |  |  |
| max. Earth dist.    | -7031 May 17 j 21:36 | 0°♑55'03  | 1.72636 AU |  |  | min. Earth dist.    | -7029 Oct 20 j 02:59 | 8°♐11'27  | 0.26768 AU |  |  |
|                     |                      |           |            |  |  | inferior conj       | -7029 Oct 20 j 15:22 | 7°♐52'07  | -3°05'08   |  |  |
| superior conj       | -7031 May 22 j 05:35 | 6°♑18'02  | 0°11'32    |  |  | minimum elong       | -7029 Oct 20 j 21:48 | 7°♐42'04  | 3°02'58    |  |  |
| minimum elong       | -7031 May 22 j 03:19 | 6°♑11'00  | 0°11'26    |  |  | morning rise        | -7029 Oct 26 j 18:18 | 4°♐13'54  |            |  |  |
| behind sun begin    | -7031 May 21 j 11:36 | 5°♑22'10  |            |  |  | asc. node           | -7029 Nov 02 j 02:50 | 1°♐26'35  |            |  |  |
| behind sun end      | -7031 May 22 j 19:01 | 6°♑59'50  |            |  |  | direct              | -7029 Nov 09 j 22:57 | 0°♐09'50  |            |  |  |
|                     | -7031 Jun 10 j 05:59 | 0°♒       |            |  |  | greatest brilliancy | -7029 Nov 19 j 10:34 | 1°♐53'34  | -4.9m      |  |  |
| evening rise        | -7031 Jun 27 j 12:06 | 21°♒35'10 |            |  |  |                     | -7029 Dec 27 j 15:24 | 0°♑       |            |  |  |
|                     | -7031 Jul 04 j 05:16 | 0°♓       |            |  |  | morning max el      | -7029 Dec 29 j 13:33 | 1°♑52'19  | 46°14'23   |  |  |
|                     | -7031 Jul 28 j 03:48 | 0°♈       |            |  |  |                     | -7028 Jan 25 j 13:11 | 0°♒       |            |  |  |
|                     | -7031 Aug 21 j 03:54 | 0°♈       |            |  |  |                     | -7028 Feb 21 j 09:51 | 0°♏       |            |  |  |
| desc. node          | -7031 Sep 06 j 12:32 | 20°♈20'38 |            |  |  | desc. node          | -7028 Feb 22 j 13:15 | 1°♏18'09  |            |  |  |
|                     | -7031 Sep 14 j 07:44 | 0°♐       |            |  |  |                     | -7028 Mar 18 j 08:29 | 0°♐       |            |  |  |
|                     | -7031 Oct 08 j 17:31 | 0°♑       |            |  |  |                     | -7028 Apr 12 j 16:22 | 0°♑       |            |  |  |
|                     | -7031 Nov 02 j 13:12 | 0°♒       |            |  |  |                     | -7028 May 07 j 12:25 | 0°♏       |            |  |  |
|                     | -7031 Nov 28 j 04:05 | 0°♏       |            |  |  |                     | -7028 May 31 j 22:36 | 0°♑       |            |  |  |
|                     | -7031 Dec 25 j 16:17 | 0°♐       |            |  |  | asc. node           | -7028 Jun 13 j 20:08 | 16°♑00'45 |            |  |  |
| asc. node           | -7031 Dec 27 j 21:59 | 2°♐16'29  |            |  |  | morning set         | -7028 Jun 23 j 04:57 | 27°♑42'31 |            |  |  |
| evening max el      | -7030 Jan 01 j 03:26 | 6°♐28'43  | 45°27'10   |  |  |                     | -7028 Jun 25 j 00:53 | 0°♒       |            |  |  |
|                     | -7030 Jan 29 j 17:19 | 0°♑       |            |  |  |                     | -7028 Jul 18 j 21:41 | 0°♓       |            |  |  |
| greatest brilliancy | -7030 Feb 07 j 23:02 | 4°♑34'15  | -4.7m      |  |  | max. Earth dist.    | -7028 Jul 29 j 20:46 | 13°♓50'08 | 1.70950 AU |  |  |
| retrograde          | -7030 Feb 18 j 19:19 | 6°♑41'33  |            |  |  |                     |                      |           |            |  |  |
| evening set         | -7030 Mar 07 j 22:52 | 1°♑05'15  |            |  |  | superior conj       | -7028 Jul 31 j 07:26 | 15°♓39'37 | 1°21'10    |  |  |
|                     | -7030 Mar 09 j 17:57 | 30°♒♐     |            |  |  | minimum elong       | -7028 Jul 31 j 02:50 | 15°♓25'05 | 1°21'33    |  |  |
| inferior conj       | -7030 Mar 12 j 06:06 | 28°♐25'53 | 7°04'33    |  |  |                     | -7028 Aug 11 j 15:54 | 0°♈       |            |  |  |
| minimum elong       | -7030 Mar 12 j 13:37 | 28°♐14'03 | 7°03'06    |  |  |                     | -7028 Sep 04 j 10:30 | 0°♈       |            |  |  |
| min. Earth dist.    | -7030 Mar 12 j 23:55 | 27°♐57'49 | 0.29457 AU |  |  | evening rise        | -7028 Sep 10 j 00:08 | 7°♈00'28  |            |  |  |
| morning rise        | -7030 Mar 17 j 04:12 | 25°♐24'03 |            |  |  |                     | -7028 Sep 28 j 07:49 | 0°♐       |            |  |  |
| direct              | -7030 Apr 03 j 04:44 | 19°♐55'52 |            |  |  | desc. node          | -7028 Oct 04 j 01:08 | 7°♐09'17  |            |  |  |
| greatest brilliancy | -7030 Apr 13 j 19:07 | 21°♐56'49 | -4.7m      |  |  |                     | -7028 Oct 22 j 09:11 | 0°♑       |            |  |  |
| desc. node          | -7030 Apr 19 j 09:16 | 24°♐23'44 |            |  |  |                     | -7028 Nov 15 j 15:27 | 0°♒       |            |  |  |
|                     | -7030 Apr 28 j 15:00 | 0°♑       |            |  |  |                     | -7028 Dec 10 j 04:20 | 0°♏       |            |  |  |
| morning max el      | -7030 May 22 j 12:18 | 20°♑16'57 | 46°06'54   |  |  |                     | -7027 Jan 04 j 04:12 | 0°♐       |            |  |  |
|                     | -7030 Jun 01 j 05:47 | 0°♏       |            |  |  | asc. node           | -7027 Jan 24 j 09:14 | 23°♐35'03 |            |  |  |
|                     | -7030 Jun 28 j 17:25 | 0°♑       |            |  |  |                     | -7027 Jan 30 j 00:19 | 0°♑       |            |  |  |
|                     | -7030 Jul 24 j 06:35 | 0°♒       |            |  |  |                     | -7027 Feb 26 j 13:17 | 0°♏       |            |  |  |
| asc. node           | -7030 Aug 09 j 19:32 | 20°♒05'58 |            |  |  | evening max el      | -7027 Mar 13 j 05:07 | 14°♏33'38 | 45°03'28   |  |  |
|                     | -7030 Aug 17 j 20:23 | 0°♓       |            |  |  |                     | -7027 Mar 31 j 02:23 | 0°♑       |            |  |  |
|                     | -7030 Sep 10 j 22:08 | 0°♈       |            |  |  | greatest brilliancy | -7027 Apr 20 j 04:02 | 11°♑38'15 | -4.7m      |  |  |
|                     | -7030 Oct 04 j 19:33 | 0°♈       |            |  |  | retrograde          | -7027 Apr 30 j 09:01 | 13°♑29'04 |            |  |  |
|                     | -7030 Oct 28 j 17:48 | 0°♐       |            |  |  | evening set         | -7027 May 15 j 02:07 | 9°♑26'29  |            |  |  |
|                     | -7030 Nov 21 j 19:30 | 0°♑       |            |  |  | desc. node          | -7027 May 16 j 19:55 | 8°♑30'13  |            |  |  |
| morning set         | -7030 Nov 24 j 22:35 | 3°♑52'59  |            |  |  | inferior conj       | -7027 May 21 j 14:06 | 5°♑42'18  | -1°07'13   |  |  |
| desc. node          | -7030 Nov 30 j 01:16 | 10°♑13'21 |            |  |  | minimum elong       | -7027 May 21 j 11:35 | 5°♑46'06  | 1°06'29    |  |  |
|                     | -7030 Dec 16 j 00:54 | 0°♒       |            |  |  | min. Earth dist.    | -7027 May 22 j 07:27 | 5°♑16'01  | 0.27928 AU |  |  |
|                     |                      |           |            |  |  | morning rise        | -7027 May 27 j 20:01 | 2°♑03'17  |            |  |  |
| superior conj       | -7029 Jan 04 j 18:26 | 24°♒19'49 | -1°08'48   |  |  |                     | -7027 Jun 01 j 02:23 | 30°♒♏     |            |  |  |
| minimum elong       | -7029 Jan 04 j 09:21 | 23°♒51'50 | 1°08'56    |  |  | direct              | -7027 Jun 12 j 00:34 | 27°♒40'15 |            |  |  |
| max. Earth dist.    | -7029 Jan 06 j 21:39 | 26°♒57'32 | 1.73179 AU |  |  |                     | -7027 Jun 23 j 09:46 | 0°♑       |            |  |  |
|                     | -7029 Jan 09 j 08:56 | 0°♏       |            |  |  | greatest brilliancy | -7027 Jun 23 j 10:37 | 0°♑00'50  | -4.8m      |  |  |
|                     | -7029 Feb 02 j 18:34 | 0°♐       |            |  |  | morning max el      | -7027 Aug 01 j 04:58 | 29°♑43'56 | 46°39'20   |  |  |
| evening rise        | -7029 Feb 11 j 13:22 | 10°♐47'00 |            |  |  |                     | -7027 Aug 01 j 11:22 | 0°♒       |            |  |  |
| greatest brilliancy | -7029 Feb 22 j 03:12 | 23°♐45'03 | -3.9m      |  |  |                     | -7027 Aug 29 j 02:58 | 0°♓       |            |  |  |
|                     | -7029 Feb 27 j 05:39 | 0°♑       |            |  |  | asc. node           | -7027 Sep 06 j 07:18 | 9°♓28'42  |            |  |  |
| asc. node           | -7029 Mar 22 j 07:09 | 28°♑11'03 |            |  |  |                     | -7027 Sep 23 j 13:39 | 0°♈       |            |  |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |  |                     |                      |           |            |  |  |
|---------------------|----------------------|-----------|------------|--|--|---------------------|----------------------|-----------|------------|--|--|
|                     | -7027 Oct 18 j 04:41 | 0°♈       |            |  |  |                     | -7024 May 29 j 17:29 | 0°♊       |            |  |  |
|                     | -7027 Nov 11 j 13:55 | 0°♐       |            |  |  | desc. node          | -7024 Jun 13 j 06:39 | 12°♊33'45 |            |  |  |
|                     | -7027 Dec 05 j 23:43 | 0°♌       |            |  |  | greatest brilliancy | -7024 Jul 04 j 08:28 | 24°♊53'14 | -4.9m      |  |  |
| desc. node          | -7027 Dec 27 j 14:31 | 26°♌28'15 |            |  |  | retrograde          | -7024 Jul 13 j 16:45 | 26°♊29'56 |            |  |  |
|                     | -7027 Dec 30 j 11:47 | 0°♍       |            |  |  | evening set         | -7024 Jul 31 j 07:19 | 20°♊42'10 |            |  |  |
|                     | -7026 Jan 24 j 01:07 | 0°♈       |            |  |  | inferior conj       | -7024 Aug 03 j 10:32 | 18°♊50'35 | -8°51'47   |  |  |
| morning set         | -7026 Feb 06 j 03:43 | 16°♈01'14 |            |  |  | minimum elong       | -7024 Aug 03 j 07:12 | 18°♊55'34 | 8°51'11    |  |  |
|                     | -7026 Feb 17 j 14:01 | 0°♊       |            |  |  | min. Earth dist.    | -7024 Aug 03 j 09:56 | 18°♊51'30 | 0.26764 AU |  |  |
| max. Earth dist.    | -7026 Mar 12 j 12:45 | 28°♊07'33 | 1.73747 AU |  |  | morning rise        | -7024 Aug 06 j 07:03 | 17°♊08'44 |            |  |  |
|                     | -7026 Mar 14 j 01:24 | 0°♋       |            |  |  | direct              | -7024 Aug 23 j 22:33 | 11°♊14'07 |            |  |  |
|                     |                      |           |            |  |  | greatest brilliancy | -7024 Sep 03 j 11:50 | 13°♊21'07 | -4.9m      |  |  |
| superior conj       | -7026 Mar 14 j 15:49 | 0°♋44'16  | -1°08'47   |  |  |                     | -7024 Sep 28 j 06:14 | 0°♋       |            |  |  |
| minimum elong       | -7026 Mar 14 j 23:20 | 1°♋07'19  | 1°09'01    |  |  | asc. node           | -7024 Oct 03 j 18:22 | 5°♋02'18  |            |  |  |
|                     | -7026 Apr 07 j 11:02 | 0°♌       |            |  |  | morning max el      | -7024 Oct 13 j 17:24 | 14°♋51'26 | 46°45'33   |  |  |
| asc. node           | -7026 Apr 18 j 19:58 | 14°♌00'27 |            |  |  |                     | -7024 Oct 27 j 22:59 | 0°♈       |            |  |  |
| evening rise        | -7026 Apr 19 j 05:35 | 14°♌30'04 |            |  |  |                     | -7024 Nov 23 j 09:17 | 0°♐       |            |  |  |
|                     | -7026 May 01 j 19:13 | 0°♑       |            |  |  |                     | -7024 Dec 18 j 22:17 | 0°♌       |            |  |  |
|                     | -7026 May 26 j 02:34 | 0°♉       |            |  |  |                     | -7023 Jan 13 j 04:10 | 0°♍       |            |  |  |
|                     | -7026 Jun 19 j 10:06 | 0°♊       |            |  |  | desc. node          | -7023 Jan 24 j 03:15 | 13°♍05'10 |            |  |  |
|                     | -7026 Jul 13 j 19:41 | 0°♋       |            |  |  |                     | -7023 Feb 07 j 06:13 | 0°♈       |            |  |  |
|                     | -7026 Aug 07 j 10:23 | 0°♈       |            |  |  |                     | -7023 Mar 04 j 04:06 | 0°♊       |            |  |  |
| desc. node          | -7026 Aug 09 j 02:36 | 2°♈01'40  |            |  |  |                     | -7023 Mar 28 j 20:58 | 0°♋       |            |  |  |
|                     | -7026 Sep 01 j 11:11 | 0°♐       |            |  |  | morning set         | -7023 Apr 14 j 09:56 | 20°♋14'27 |            |  |  |
|                     | -7026 Sep 27 j 08:42 | 0°♌       |            |  |  |                     | -7023 Apr 22 j 08:27 | 0°♌       |            |  |  |
| evening max el      | -7026 Oct 20 j 02:05 | 24°♌33'21 | 47°03'16   |  |  | max. Earth dist.    | -7023 May 15 j 16:03 | 28°♌49'10 | 1.72691 AU |  |  |
|                     | -7026 Oct 25 j 12:27 | 0°♍       |            |  |  | asc. node           | -7023 May 16 j 09:09 | 29°♌42'14 |            |  |  |
| greatest brilliancy | -7026 Nov 28 j 22:18 | 25°♍55'51 | -4.8m      |  |  |                     | -7023 May 16 j 14:53 | 0°♑       |            |  |  |
| asc. node           | -7026 Nov 29 j 13:30 | 26°♍10'41 |            |  |  |                     |                      |           |            |  |  |
| retrograde          | -7026 Dec 09 j 21:51 | 28°♍14'18 |            |  |  | superior conj       | -7023 May 20 j 00:07 | 4°♑12'11  | 0°08'29    |  |  |
| evening set         | -7026 Dec 25 j 23:40 | 23°♍03'34 |            |  |  | minimum elong       | -7023 May 19 j 22:27 | 4°♑07'02  | 0°08'23    |  |  |
| min. Earth dist.    | -7026 Dec 30 j 07:53 | 20°♍21'07 | 0.28705 AU |  |  | behind sun begin    | -7023 May 19 j 03:20 | 3°♑07'39  |            |  |  |
| inferior conj       | -7026 Dec 31 j 03:27 | 19°♍49'36 | 6°29'19    |  |  | behind sun end      | -7023 May 20 j 17:35 | 5°♑06'27  |            |  |  |
| minimum elong       | -7026 Dec 30 j 18:51 | 20°♍03'28 | 6°27'27    |  |  |                     | -7023 Jun 09 j 17:05 | 0°♉       |            |  |  |
| morning rise        | -7025 Jan 04 j 14:30 | 17°♍01'12 |            |  |  | evening rise        | -7023 Jun 25 j 04:48 | 19°♉22'05 |            |  |  |
| direct              | -7025 Jan 21 j 08:11 | 11°♍32'55 |            |  |  |                     | -7023 Jul 03 j 16:31 | 0°♊       |            |  |  |
| greatest brilliancy | -7025 Jan 30 j 05:31 | 12°♍59'52 | -4.7m      |  |  |                     | -7023 Jul 27 j 15:17 | 0°♋       |            |  |  |
|                     | -7025 Feb 26 j 13:22 | 0°♈       |            |  |  |                     | -7023 Aug 20 j 15:39 | 0°♈       |            |  |  |
| morning max el      | -7025 Mar 11 j 00:38 | 11°♈10'52 | 45°52'53   |  |  | desc. node          | -7023 Sep 05 j 14:35 | 19°♈49'58 |            |  |  |
| desc. node          | -7025 Mar 22 j 00:35 | 21°♈59'10 |            |  |  |                     | -7023 Sep 13 j 19:49 | 0°♐       |            |  |  |
|                     | -7025 Mar 29 j 19:09 | 0°♊       |            |  |  |                     | -7023 Oct 08 j 06:06 | 0°♌       |            |  |  |
|                     | -7025 Apr 26 j 05:22 | 0°♋       |            |  |  |                     | -7023 Nov 02 j 02:37 | 0°♍       |            |  |  |
|                     | -7025 May 22 j 03:02 | 0°♌       |            |  |  |                     | -7023 Nov 27 j 19:16 | 0°♈       |            |  |  |
|                     | -7025 Jun 16 j 03:02 | 0°♑       |            |  |  |                     | -7023 Dec 25 j 12:19 | 0°♊       |            |  |  |
| asc. node           | -7025 Jul 10 j 12:16 | 0°♉       |            |  |  | asc. node           | -7023 Dec 27 j 00:19 | 1°♊30'38  |            |  |  |
| greatest brilliancy | -7025 Jul 12 j 09:12 | 2°♉19'42  |            |  |  | evening max el      | -7023 Dec 29 j 19:54 | 4°♊18'05  | 45°29'39   |  |  |
|                     | -7025 Aug 01 j 17:18 | 27°♉46'48 | -3.9m      |  |  |                     | -7022 Jan 31 j 04:22 | 0°♋       |            |  |  |
|                     | -7025 Aug 03 j 11:39 | 0°♊       |            |  |  | greatest brilliancy | -7022 Feb 05 j 15:54 | 2°♋27'46  | -4.7m      |  |  |
|                     | -7025 Aug 27 j 05:52 | 0°♋       |            |  |  | retrograde          | -7022 Feb 16 j 12:24 | 4°♋35'09  |            |  |  |
| morning set         | -7025 Sep 05 j 20:20 | 12°♋08'51 |            |  |  |                     | -7022 Mar 03 j 21:33 | 30°♋♊     |            |  |  |
|                     | -7025 Sep 19 j 23:13 | 0°♈       |            |  |  | evening set         | -7022 Mar 05 j 18:01 | 28°♊55'43 |            |  |  |
|                     | -7025 Oct 13 j 18:54 | 0°♐       |            |  |  | inferior conj       | -7022 Mar 09 j 23:15 | 26°♊18'48 | 7°13'09    |  |  |
|                     |                      |           |            |  |  | minimum elong       | -7022 Mar 10 j 06:23 | 26°♊07'30 | 7°11'49    |  |  |
| superior conj       | -7025 Oct 17 j 15:17 | 4°♐49'50  | 0°33'29    |  |  | min. Earth dist.    | -7022 Mar 10 j 15:49 | 25°♊52'37 | 0.29478 AU |  |  |
| minimum elong       | -7025 Oct 17 j 23:56 | 5°♐16'57  | 0°33'20    |  |  | morning rise        | -7022 Mar 14 j 18:40 | 23°♊20'30 |            |  |  |
| max. Earth dist.    | -7025 Oct 23 j 15:20 | 12°♐21'04 | 1.71389 AU |  |  | direct              | -7022 Mar 31 j 22:15 | 17°♊48'42 |            |  |  |
| desc. node          | -7025 Nov 01 j 14:13 | 23°♐32'33 |            |  |  | greatest brilliancy | -7022 Apr 11 j 09:54 | 19°♊47'14 | -4.7m      |  |  |
|                     | -7025 Nov 06 j 18:26 | 0°♌       |            |  |  | desc. node          | -7022 Apr 18 j 11:26 | 22°♊59'47 |            |  |  |
| evening rise        | -7025 Nov 29 j 04:54 | 27°♌53'02 |            |  |  |                     | -7022 Apr 29 j 07:02 | 0°♋       |            |  |  |
|                     | -7025 Nov 30 j 21:55 | 0°♍       |            |  |  | morning max el      | -7022 May 20 j 04:22 | 18°♋06'09 | 46°05'48   |  |  |
|                     | -7025 Dec 25 j 05:03 | 0°♈       |            |  |  |                     | -7022 Jun 01 j 00:45 | 0°♌       |            |  |  |
|                     | -7024 Jan 18 j 16:31 | 0°♊       |            |  |  |                     | -7022 Jun 28 j 08:15 | 0°♑       |            |  |  |
|                     | -7024 Feb 12 j 10:24 | 0°♋       |            |  |  |                     | -7022 Jul 23 j 19:45 | 0°♉       |            |  |  |
| asc. node           | -7024 Feb 21 j 20:55 | 11°♋19'31 |            |  |  | asc. node           | -7022 Aug 08 j 21:36 | 19°♉33'38 |            |  |  |
|                     | -7024 Mar 08 j 14:15 | 0°♌       |            |  |  |                     | -7022 Aug 17 j 08:44 | 0°♊       |            |  |  |
|                     | -7024 Apr 03 j 09:24 | 0°♑       |            |  |  |                     | -7022 Sep 10 j 10:03 | 0°♋       |            |  |  |
|                     | -7024 Apr 30 j 06:39 | 0°♉       |            |  |  |                     | -7022 Oct 04 j 07:10 | 0°♈       |            |  |  |
| evening max el      | -7024 May 24 j 20:26 | 25°♉21'53 | 46°16'44   |  |  |                     | -7022 Oct 28 j 05:13 | 0°♐       |            |  |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |                     |                      |           |            |
|---------------------|----------------------|-----------|---------------------|----------------------|-----------|------------|
|                     | -7022 Nov 21 j 06:46 | 0°♌       | retrograde          | -7019 Apr 27 j 23:17 | 11°♏15'24 |            |
| morning set         | -7022 Nov 22 j 09:31 | 1°♌23'03  | evening set         | -7019 May 12 j 16:52 | 7°♏11'31  |            |
| desc. node          | -7022 Nov 29 j 03:29 | 9°♌45'25  | desc. node          | -7019 May 15 j 22:12 | 5°♏24'40  |            |
|                     | -7022 Dec 15 j 12:03 | 0°♍       | inferior conj       | -7019 May 19 j 04:40 | 3°♏27'41  | -0°46'11   |
|                     |                      |           | minimum elong       | -7019 May 19 j 02:57 | 3°♏30'18  | 0°45'42    |
| superior conj       | -7021 Jan 02 j 08:34 | 22°♍01'27 | min. Earth dist.    | -7019 May 19 j 23:03 | 2°♏59'52  | 0.27988 AU |
| minimum elong       | -7021 Jan 01 j 23:09 | 21°♍32'24 | morning rise        | -7019 May 25 j 11:56 | 29°♏46'50 |            |
| max. Earth dist.    | -7021 Jan 04 j 18:07 | 24°♍58'42 |                     | -7019 May 25 j 02:13 | 30°♏      |            |
|                     | -7021 Jan 08 j 19:59 | 0°♎       | direct              | -7019 Jun 09 j 15:29 | 25°♏24'13 |            |
|                     | -7021 Feb 02 j 05:34 | 0°♏       | greatest brilliancy | -7019 Jun 21 j 02:59 | 27°♏46'07 | -4.8m      |
| evening rise        | -7021 Feb 09 j 06:41 | 8°♏39'09  |                     | -7019 Jun 25 j 23:32 | 0°♏       |            |
| greatest brilliancy | -7021 Feb 21 j 04:25 | 23°♏15'02 | morning max el      | -7019 Jul 29 j 19:27 | 27°♏23'40 | 46°38'24   |
|                     | -7021 Feb 26 j 16:42 | 0°♐       |                     | -7019 Aug 01 j 09:14 | 0°♐       |            |
| asc. node           | -7021 Mar 21 j 09:14 | 27°♐43'08 |                     | -7019 Aug 28 j 18:58 | 0°♑       |            |
|                     | -7021 Mar 23 j 06:11 | 0°♑       | asc. node           | -7019 Sep 05 j 09:29 | 8°♑50'41  |            |
|                     | -7021 Apr 16 j 23:08 | 0°♒       |                     | -7019 Sep 23 j 03:29 | 0°♒       |            |
|                     | -7021 May 11 j 20:58 | 0°♓       |                     | -7019 Oct 17 j 17:26 | 0°♓       |            |
|                     | -7021 Jun 06 j 02:17 | 0°♑       |                     | -7019 Nov 11 j 02:01 | 0°♑       |            |
|                     | -7021 Jul 01 j 21:31 | 0°♒       |                     | -7019 Dec 05 j 11:21 | 0°♓       |            |
| desc. node          | -7021 Jul 11 j 17:21 | 11°♒07'22 | desc. node          | -7019 Dec 26 j 16:38 | 26°♓00'09 |            |
|                     | -7021 Jul 29 j 00:15 | 0°♓       |                     | -7019 Dec 29 j 23:03 | 0°♓       |            |
| evening max el      | -7021 Aug 07 j 15:09 | 9°♓57'28  |                     | -7018 Jan 23 j 12:05 | 0°♎       |            |
|                     | -7021 Aug 29 j 13:47 | 0°♑       | morning set         | -7018 Feb 03 j 20:19 | 13°♎52'00 |            |
| greatest brilliancy | -7021 Sep 17 j 21:14 | 11°♑36'05 |                     | -7018 Feb 17 j 00:48 | 0°♏       |            |
| retrograde          | -7021 Sep 27 j 13:10 | 13°♑23'25 | max. Earth dist.    | -7018 Mar 10 j 10:05 | 26°♏12'50 | 1.73759 AU |
| evening set         | -7021 Oct 12 j 17:46 | 8°♑44'28  |                     |                      |           |            |
| min. Earth dist.    | -7021 Oct 17 j 17:26 | 5°♑43'36  | superior conj       | -7018 Mar 12 j 10:58 | 28°♏42'51 | -1°10'21   |
| inferior conj       | -7021 Oct 18 j 04:44 | 5°♑25'57  | minimum elong       | -7018 Mar 12 j 18:15 | 29°♏05'13 | 1°10'38    |
| minimum elong       | -7021 Oct 18 j 11:50 | 5°♑14'51  |                     | -7018 Mar 13 j 12:07 | 0°♐       |            |
| morning rise        | -7021 Oct 24 j 06:33 | 1°♑49'09  |                     | -7018 Apr 06 j 21:47 | 0°♑       |            |
|                     | -7021 Oct 28 j 00:44 | 30°♒0     | evening rise        | -7018 Apr 17 j 01:19 | 12°♑29'42 |            |
| asc. node           | -7021 Nov 01 j 05:03 | 28°♒33'49 | asc. node           | -7018 Apr 17 j 22:10 | 13°♑33'55 |            |
| direct              | -7021 Nov 07 j 11:46 | 27°♒44'42 |                     | -7018 May 01 j 06:09 | 0°♒       |            |
| greatest brilliancy | -7021 Nov 17 j 00:50 | 29°♒29'23 |                     | -7018 May 25 j 13:47 | 0°♓       |            |
|                     | -7021 Nov 18 j 09:42 | 0°♑       |                     | -7018 Jun 18 j 21:42 | 0°♑       |            |
| morning max el      | -7021 Dec 27 j 02:32 | 29°♑29'49 |                     | -7018 Jul 13 j 07:51 | 0°♒       |            |
|                     | -7021 Dec 27 j 14:50 | 0°♓       |                     | -7018 Aug 06 j 23:21 | 0°♓       |            |
|                     | -7020 Jan 25 j 05:33 | 0°♓       | desc. node          | -7018 Aug 08 j 04:38 | 1°♓28'29  |            |
|                     | -7020 Feb 20 j 23:36 | 0°♎       |                     | -7018 Sep 01 j 01:27 | 0°♑       |            |
| desc. node          | -7020 Feb 21 j 15:17 | 0°♎44'51  |                     | -7018 Sep 27 j 01:29 | 0°♓       |            |
|                     | -7020 Mar 17 j 20:55 | 0°♏       | evening max el      | -7018 Oct 17 j 17:40 | 22°♓15'36 | 47°06'23   |
|                     | -7020 Apr 12 j 04:03 | 0°♐       |                     | -7018 Oct 25 j 12:40 | 0°♓       |            |
|                     | -7020 May 06 j 23:40 | 0°♑       | greatest brilliancy | -7018 Nov 26 j 15:11 | 23°♓42'22 | -4.8m      |
|                     | -7020 May 31 j 09:39 | 0°♒       | asc. node           | -7018 Nov 28 j 15:50 | 24°♓27'17 |            |
| asc. node           | -7020 Jun 12 j 22:20 | 15°♒33'19 | retrograde          | -7018 Dec 07 j 15:04 | 26°♓01'31 |            |
| morning set         | -7020 Jun 20 j 20:59 | 25°♒28'12 | evening set         | -7018 Dec 23 j 13:42 | 20°♓54'17 |            |
|                     | -7020 Jun 24 j 11:53 | 0°♓       | min. Earth dist.    | -7018 Dec 27 j 23:25 | 18°♓09'58 | 0.28635 AU |
|                     | -7020 Jul 18 j 08:43 | 0°♑       | inferior conj       | -7018 Dec 28 j 19:54 | 17°♓37'02 | 6°17'25    |
| max. Earth dist.    | -7020 Jul 27 j 02:46 | 11°♑02'40 | minimum elong       | -7018 Dec 28 j 11:09 | 17°♓51'07 | 6°15'28    |
|                     |                      |           | morning rise        | -7017 Jan 02 j 09:09 | 14°♓45'45 |            |
| superior conj       | -7020 Jul 28 j 20:41 | 13°♑14'58 | direct              | -7017 Jan 18 j 23:40 | 9°♓21'20  |            |
| minimum elong       | -7020 Jul 28 j 15:20 | 12°♑58'05 | greatest brilliancy | -7017 Jan 27 j 20:32 | 10°♓48'22 | -4.7m      |
|                     | -7020 Aug 11 j 03:01 | 0°♒       |                     | -7017 Feb 26 j 18:03 | 0°♎       |            |
|                     | -7020 Sep 03 j 21:43 | 0°♓       | morning max el      | -7017 Mar 08 j 17:03 | 9°♎02'53  | 45°53'10   |
| evening rise        | -7020 Sep 07 j 08:47 | 4°♓21'23  | desc. node          | -7017 Mar 21 j 02:49 | 21°♎17'08 |            |
|                     | -7020 Sep 27 j 19:07 | 0°♑       |                     | -7017 Mar 29 j 12:11 | 0°♏       |            |
| desc. node          | -7020 Oct 03 j 03:17 | 6°♑40'37  |                     | -7017 Apr 25 j 19:12 | 0°♐       |            |
|                     | -7020 Oct 21 j 20:36 | 0°♓       |                     | -7017 May 21 j 15:30 | 0°♑       |            |
|                     | -7020 Nov 15 j 03:02 | 0°♓       |                     | -7017 Jun 15 j 14:48 | 0°♒       |            |
|                     | -7020 Dec 09 j 16:15 | 0°♎       |                     | -7017 Jul 09 j 23:39 | 0°♓       |            |
|                     | -7019 Jan 03 j 16:51 | 0°♏       | asc. node           | -7017 Jul 11 j 11:15 | 1°♓50'39  |            |
| asc. node           | -7019 Jan 23 j 11:16 | 23°♏01'21 |                     | -7017 Aug 02 j 22:51 | 0°♑       |            |
|                     | -7019 Jan 29 j 14:37 | 0°♐       | greatest brilliancy | -7017 Aug 02 j 21:11 | 29°♓54'43 | -3.9m      |
|                     | -7019 Feb 26 j 07:47 | 0°♑       |                     | -7017 Aug 26 j 16:59 | 0°♒       |            |
| evening max el      | -7019 Mar 10 j 19:06 | 12°♑18'51 | morning set         | -7017 Sep 03 j 07:02 | 9°♒35'46  |            |
|                     | -7019 Mar 31 j 16:58 | 0°♒       |                     | -7017 Sep 19 j 10:19 | 0°♓       |            |
| greatest brilliancy | -7019 Apr 17 j 17:46 | 9°♒23'47  |                     | -7017 Oct 13 j 06:00 | 0°♑       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 78

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
| superior conj       | -7017 Oct 14 j 23:32 | 2°♎10'23  | 0°37'07    | min. Earth dist.    | -7014 Mar 08 j 07:58 | 23°♊47'27 | 0.29496 AU |
| minimum elong       | -7017 Oct 15 j 08:56 | 2°♎39'52  | 0°36'59    | morning rise        | -7014 Mar 12 j 09:05 | 21°♊17'20 |            |
| max. Earth dist.    | -7017 Oct 20 j 22:57 | 9°♎39'57  | 1.71337 AU | direct              | -7014 Mar 29 j 15:11 | 15°♊41'56 |            |
| desc. node          | -7017 Oct 31 j 16:22 | 23°♎04'42 |            | greatest brilliancy | -7014 Apr 09 j 01:00 | 17°♊38'25 | -4.7m      |
|                     | -7017 Nov 06 j 05:32 | 0°♏       |            | desc. node          | -7014 Apr 17 j 13:38 | 21°♊38'51 |            |
| evening rise        | -7017 Nov 26 j 15:48 | 25°♏23'47 |            |                     | -7014 Apr 29 j 18:49 | 0°♋       |            |
|                     | -7017 Nov 30 j 08:59 | 0°♌       |            | morning max el      | -7014 May 17 j 19:37 | 15°♋53'58 | 46°04'50   |
|                     | -7017 Dec 24 j 16:10 | 0°♍       |            |                     | -7014 May 31 j 19:01 | 0°♌       |            |
|                     | -7016 Jan 18 j 03:47 | 0°♎       |            |                     | -7014 Jun 27 j 22:43 | 0°♍       |            |
|                     | -7016 Feb 11 j 22:03 | 0°♏       |            |                     | -7014 Jul 23 j 08:41 | 0°♎       |            |
| asc. node           | -7016 Feb 20 j 23:06 | 10°♏50'35 |            | asc. node           | -7014 Aug 07 j 23:44 | 19°♎02'03 |            |
|                     | -7016 Mar 08 j 02:41 | 0°♐       |            |                     | -7014 Aug 16 j 20:57 | 0°♏       |            |
|                     | -7016 Apr 02 j 23:23 | 0°♑       |            |                     | -7014 Sep 09 j 21:52 | 0°♐       |            |
|                     | -7016 Apr 29 j 23:53 | 0°♒       |            |                     | -7014 Oct 03 j 18:45 | 0°♑       |            |
| evening max el      | -7016 May 22 j 10:30 | 23°♒02'09 | 46°13'09   |                     | -7014 Oct 27 j 16:36 | 0°♒       |            |
|                     | -7016 May 29 j 20:31 | 0°♓       |            | morning set         | -7014 Nov 19 j 19:59 | 28°♓51'41 |            |
| desc. node          | -7016 Jun 12 j 08:47 | 11°♓20'36 |            |                     | -7014 Nov 20 j 17:59 | 0°♑       |            |
| greatest brilliancy | -7016 Jul 01 j 18:39 | 22°♓24'01 | -4.9m      | desc. node          | -7014 Nov 28 j 05:33 | 9°♑17'13  |            |
| retrograde          | -7016 Jul 11 j 04:58 | 24°♓01'41 |            |                     | -7014 Dec 14 j 23:07 | 0°♒       |            |
| evening set         | -7016 Jul 28 j 16:02 | 18°♓18'55 |            |                     |                      |           |            |
| inferior conj       | -7016 Jul 31 j 22:29 | 16°♓22'30 | -8°47'04   | superior conj       | -7014 Dec 30 j 22:19 | 19°♌42'02 | -1°04'50   |
| minimum elong       | -7016 Jul 31 j 18:14 | 16°♓28'53 | 8°46'23    | minimum elong       | -7014 Dec 30 j 12:36 | 19°♌12'04 | 1°04'52    |
| min. Earth dist.    | -7016 Jul 31 j 21:30 | 16°♓23'58 | 0.26787 AU | max. Earth dist.    | -7013 Jan 02 j 13:48 | 22°♌57'35 | 1.73084 AU |
| morning rise        | -7016 Aug 03 j 20:24 | 14°♓38'37 |            |                     | -7013 Jan 08 j 06:58 | 0°♑       |            |
| direct              | -7016 Aug 21 j 11:44 | 8°♓45'59  |            |                     | -7013 Feb 01 j 16:31 | 0°♒       |            |
| greatest brilliancy | -7016 Sep 01 j 00:16 | 10°♓52'16 | -4.9m      | evening rise        | -7013 Feb 06 j 23:47 | 6°♓30'37  |            |
|                     | -7016 Sep 28 j 13:10 | 0°♑       |            | greatest brilliancy | -7013 Feb 20 j 13:34 | 23°♓09'21 | -3.9m      |
| asc. node           | -7016 Oct 02 j 20:38 | 4°♑02'37  |            |                     | -7013 Feb 26 j 03:45 | 0°♒       |            |
| morning max el      | -7016 Oct 11 j 06:39 | 12°♑24'10 | 46°45'59   | asc. node           | -7013 Mar 20 j 11:29 | 27°♒15'42 |            |
|                     | -7016 Oct 27 j 17:30 | 0°♑       |            |                     | -7013 Mar 22 j 17:28 | 0°♓       |            |
|                     | -7016 Nov 23 j 00:15 | 0°♒       |            |                     | -7013 Apr 16 j 10:52 | 0°♑       |            |
|                     | -7016 Dec 18 j 11:33 | 0°♓       |            |                     | -7013 May 11 j 09:27 | 0°♒       |            |
|                     | -7015 Jan 12 j 16:26 | 0°♌       |            |                     | -7013 Jun 05 j 15:58 | 0°♓       |            |
| desc. node          | -7015 Jan 23 j 05:12 | 12°♌35'12 |            |                     | -7013 Jul 01 j 13:20 | 0°♑       |            |
|                     | -7015 Feb 06 j 17:50 | 0°♑       |            | desc. node          | -7013 Jul 10 j 19:24 | 10°♑25'30 |            |
|                     | -7015 Mar 03 j 15:17 | 0°♒       |            |                     | -7013 Jul 28 j 20:50 | 0°♑       |            |
|                     | -7015 Mar 28 j 07:52 | 0°♓       |            | evening max el      | -7013 Aug 05 j 04:13 | 7°♑30'35  | 47°38'17   |
| morning set         | -7015 Apr 12 j 05:23 | 18°♓13'51 |            |                     | -7013 Aug 30 j 08:21 | 0°♒       |            |
|                     | -7015 Apr 21 j 19:13 | 0°♓       |            | greatest brilliancy | -7013 Sep 15 j 12:30 | 9°♒09'35  | -4.9m      |
| max. Earth dist.    | -7015 May 13 j 10:05 | 26°♓42'56 | 1.72749 AU | retrograde          | -7013 Sep 25 j 01:46 | 10°♒54'45 |            |
| asc. node           | -7015 May 15 j 11:20 | 29°♓15'39 |            | evening set         | -7013 Oct 10 j 09:20 | 6°♒13'08  |            |
|                     | -7015 May 16 j 01:38 | 0°♑       |            | inferior conj       | -7013 Oct 15 j 17:50 | 2°♒58'33  | -3°48'46   |
|                     |                      |           |            | minimum elong       | -7013 Oct 16 j 01:33 | 2°♒46'30  | 3°46'16    |
| superior conj       | -7015 May 17 j 18:47 | 2°♑07'40  | 0°05'26    | min. Earth dist.    | -7013 Oct 15 j 07:49 | 3°♒14'10  | 0.26696 AU |
| minimum elong       | -7015 May 17 j 17:43 | 2°♑04'23  | 0°05'21    |                     | -7013 Oct 20 j 15:59 | 30°♒♏     |            |
| behind sun begin    | -7015 May 16 j 20:38 | 0°♑58'57  |            | morning rise        | -7013 Oct 21 j 18:18 | 29°♒23'32 |            |
| behind sun end      | -7015 May 18 j 14:48 | 3°♑09'51  |            | asc. node           | -7013 Oct 31 j 07:18 | 25°♒45'21 |            |
|                     | -7015 Jun 09 j 03:57 | 0°♒       |            | direct              | -7013 Nov 04 j 23:58 | 25°♒17'58 |            |
| evening rise        | -7015 Jun 22 j 21:35 | 17°♒09'57 |            | greatest brilliancy | -7013 Nov 14 j 15:18 | 27°♒04'19 | -4.9m      |
|                     | -7015 Jul 03 j 03:37 | 0°♓       |            |                     | -7013 Nov 21 j 03:51 | 0°♒       |            |
|                     | -7015 Jul 27 j 02:37 | 0°♑       |            | morning max el      | -7013 Dec 24 j 15:22 | 27°♒06'01 | 46°16'41   |
|                     | -7015 Aug 20 j 03:16 | 0°♑       |            |                     | -7013 Dec 27 j 13:32 | 0°♓       |            |
| desc. node          | -7015 Sep 04 j 16:46 | 19°♒20'02 |            |                     | -7012 Jan 24 j 21:47 | 0°♌       |            |
|                     | -7015 Sep 13 j 07:46 | 0°♒       |            | desc. node          | -7012 Feb 20 j 17:33 | 0°♑12'05  |            |
|                     | -7015 Oct 07 j 18:34 | 0°♓       |            |                     | -7012 Feb 20 j 13:20 | 0°♑       |            |
|                     | -7015 Nov 01 j 15:58 | 0°♌       |            |                     | -7012 Mar 17 j 09:22 | 0°♒       |            |
|                     | -7015 Nov 27 j 10:29 | 0°♑       |            |                     | -7012 Apr 11 j 15:47 | 0°♓       |            |
|                     | -7015 Dec 25 j 08:47 | 0°♒       |            |                     | -7012 May 06 j 11:00 | 0°♓       |            |
| asc. node           | -7015 Dec 26 j 02:24 | 0°♒43'50  |            |                     | -7012 May 30 j 20:47 | 0°♑       |            |
| evening max el      | -7015 Dec 27 j 11:29 | 2°♒05'33  | 45°32'10   | asc. node           | -7012 Jun 12 j 00:23 | 15°♑05'12 |            |
|                     | -7014 Feb 02 j 10:31 | 0°♓       |            | morning set         | -7012 Jun 18 j 13:27 | 23°♑15'01 |            |
| greatest brilliancy | -7014 Feb 03 j 09:20 | 0°♓22'07  | -4.7m      |                     | -7012 Jun 23 j 22:57 | 0°♒       |            |
| retrograde          | -7014 Feb 14 j 05:05 | 2°♓29'06  |            |                     | -7012 Jul 17 j 19:49 | 0°♓       |            |
|                     | -7014 Feb 25 j 09:59 | 30°♒♓     |            | max. Earth dist.    | -7012 Jul 24 j 12:41 | 8°♓27'25  | 1.71033 AU |
| evening set         | -7014 Mar 03 j 13:00 | 26°♒46'42 |            |                     |                      |           |            |
| inferior conj       | -7014 Mar 07 j 16:23 | 24°♒12'09 | 7°21'10    | superior conj       | -7012 Jul 26 j 10:23 | 10°♓51'37 | 1°19'12    |
| minimum elong       | -7014 Mar 07 j 23:06 | 24°♒01'30 | 7°19'58    | minimum elong       | -7012 Jul 26 j 04:22 | 10°♓32'38 | 1°19'33    |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|--|
|                     | -7012 Aug 10 j 14:11 | 0°☿       |            |                     |  | -7009 Feb 26 j 21:30 | 0°♊       |            |  |
|                     | -7012 Sep 03 j 09:00 | 0°♋       |            | morning max el      |  | -7009 Mar 06 j 09:43 | 6°♊54'22  | 45°53'20   |  |
| evening rise        | -7012 Sep 04 j 17:54 | 1°♋43'31  |            | desc. node          |  | -7009 Mar 20 j 05:00 | 20°♊34'27 |            |  |
|                     | -7012 Sep 27 j 06:33 | 0°♌       |            |                     |  | -7009 Mar 29 j 05:18 | 0°♋       |            |  |
| desc. node          | -7012 Oct 02 j 05:28 | 6°♌11'39  |            |                     |  | -7009 Apr 25 j 09:16 | 0°♌       |            |  |
|                     | -7012 Oct 21 j 08:12 | 0°♍       |            |                     |  | -7009 May 21 j 04:12 | 0°♍       |            |  |
|                     | -7012 Nov 14 j 14:50 | 0°♎       |            |                     |  | -7009 Jun 15 j 02:50 | 0°♎       |            |  |
|                     | -7012 Dec 09 j 04:25 | 0°♏       |            |                     |  | -7009 Jul 09 j 11:20 | 0°♏       |            |  |
|                     | -7011 Jan 03 j 05:49 | 0°♐       |            | asc. node           |  | -7009 Jul 10 j 13:22 | 1°♏20'59  |            |  |
| asc. node           | -7011 Jan 22 j 13:30 | 22°♐27'17 |            |                     |  | -7009 Aug 02 j 10:22 | 0°♐       |            |  |
|                     | -7011 Jan 29 j 05:19 | 0°♑       |            | greatest brilliancy |  | -7009 Aug 03 j 15:35 | 1°♐32'01  | -3.9m      |  |
|                     | -7011 Feb 26 j 03:03 | 0°♒       |            |                     |  | -7009 Aug 26 j 04:25 | 0°♑       |            |  |
| evening max el      | -7011 Mar 08 j 09:39 | 10°♒04'56 | 45°01'49   | morning set         |  | -7009 Aug 31 j 18:01 | 7°♑02'36  |            |  |
|                     | -7011 Apr 01 j 12:58 | 0°♓       |            |                     |  | -7009 Sep 18 j 21:43 | 0°♋       |            |  |
| greatest brilliancy | -7011 Apr 15 j 07:00 | 7°♓08'17  | -4.7m      |                     |  |                      |           |            |  |
| retrograde          | -7011 Apr 25 j 14:00 | 9°♓01'06  |            | superior conj       |  | -7009 Oct 12 j 08:12 | 29°♋31'13 | 0°40'39    |  |
| evening set         | -7011 May 10 j 07:47 | 4°♓55'44  |            | minimum elong       |  | -7009 Oct 12 j 18:15 | 0°♌02'47  | 0°40'31    |  |
| desc. node          | -7011 May 15 j 00:22 | 2°♓16'43  |            |                     |  | -7009 Oct 12 j 17:22 | 0°♌       |            |  |
| inferior conj       | -7011 May 16 j 19:10 | 1°♓12'17  | -0°25'11   | max. Earth dist.    |  | -7009 Oct 18 j 09:06 | 7°♌05'48  | 1.71280 AU |  |
| minimum elong       | -7011 May 16 j 18:14 | 1°♓13'43  | 0°24'56    | desc. node          |  | -7009 Oct 30 j 18:26 | 22°♌35'50 |            |  |
| min. Earth dist.    | -7011 May 17 j 14:15 | 0°♓43'24  | 0.28048 AU |                     |  | -7009 Nov 05 j 16:51 | 0°♍       |            |  |
|                     | -7011 May 18 j 19:03 | 30°♌♌     |            | evening rise        |  | -7009 Nov 24 j 02:51 | 22°♍54'13 |            |  |
| morning rise        | -7011 May 23 j 03:38 | 27°♌29'55 |            |                     |  | -7009 Nov 29 j 20:17 | 0°♍       |            |  |
| direct              | -7011 Jun 07 j 06:45 | 23°♌07'26 |            |                     |  | -7009 Dec 24 j 03:32 | 0°♎       |            |  |
| greatest brilliancy | -7011 Jun 18 j 18:43 | 25°♌30'03 | -4.8m      |                     |  | -7008 Jan 17 j 15:21 | 0°♏       |            |  |
|                     | -7011 Jun 27 j 14:50 | 0°♐       |            |                     |  | -7008 Feb 11 j 10:03 | 0°♑       |            |  |
| morning max el      | -7011 Jul 27 j 10:58 | 25°♐05'40 | 46°37'39   | asc. node           |  | -7008 Feb 20 j 01:20 | 10°♑20'41 |            |  |
|                     | -7011 Aug 01 j 06:33 | 0°♑       |            |                     |  | -7008 Mar 07 j 15:32 | 0°♒       |            |  |
|                     | -7011 Aug 28 j 10:51 | 0°♒       |            |                     |  | -7008 Apr 02 j 13:52 | 0°♓       |            |  |
| asc. node           | -7011 Sep 04 j 11:45 | 8°♒12'51  |            |                     |  | -7008 Apr 29 j 17:53 | 0°♔       |            |  |
|                     | -7011 Sep 22 j 17:19 | 0°♓       |            | evening max el      |  | -7008 May 20 j 00:19 | 20°♔40'58 | 46°09'35   |  |
|                     | -7011 Oct 17 j 06:16 | 0°♋       |            |                     |  | -7008 May 30 j 01:42 | 0°♕       |            |  |
|                     | -7011 Nov 10 j 14:16 | 0°♌       |            | desc. node          |  | -7008 Jun 11 j 10:54 | 10°♕04'13 |            |  |
|                     | -7011 Dec 04 j 23:12 | 0°♍       |            | greatest brilliancy |  | -7008 Jun 29 j 05:30 | 19°♕54'51 | -4.8m      |  |
| desc. node          | -7011 Dec 25 j 18:38 | 25°♍30'57 |            | retrograde          |  | -7008 Jul 08 j 16:39 | 21°♕32'38 |            |  |
|                     | -7011 Dec 29 j 10:34 | 0°♎       |            | evening set         |  | -7008 Jul 26 j 00:29 | 15°♕55'32 |            |  |
|                     | -7010 Jan 22 j 23:20 | 0°♏       |            | inferior conj       |  | -7008 Jul 29 j 10:29 | 13°♕53'50 | -8°41'27   |  |
| morning set         | -7010 Feb 01 j 12:24 | 11°♏40'15 |            | minimum elong       |  | -7008 Jul 29 j 05:21 | 14°♕01'33 | 8°40'38    |  |
|                     | -7010 Feb 16 j 11:51 | 0°♐       |            | min. Earth dist.    |  | -7008 Jul 29 j 09:34 | 13°♕55'13 | 0.26811 AU |  |
| max. Earth dist.    | -7010 Mar 08 j 08:46 | 24°♐21'28 | 1.73768 AU | morning rise        |  | -7008 Aug 01 j 10:10 | 12°♕07'13 |            |  |
|                     |                      |           |            | direct              |  | -7008 Aug 19 j 00:39 | 6°♕17'05  |            |  |
| superior conj       | -7010 Mar 10 j 05:42 | 26°♐39'20 | -1°11'52   | greatest brilliancy |  | -7008 Aug 29 j 13:11 | 8°♕22'57  | -4.9m      |  |
| minimum elong       | -7010 Mar 10 j 12:43 | 27°♐00'53 | 1°12'09    |                     |  | -7008 Sep 28 j 18:26 | 0°♖       |            |  |
|                     | -7010 Mar 12 j 23:05 | 0°♑       |            | asc. node           |  | -7008 Oct 01 j 22:47 | 3°♖02'56  |            |  |
|                     | -7010 Apr 06 j 08:49 | 0°♒       |            | morning max el      |  | -7008 Oct 08 j 19:06 | 9°♖53'42  | 46°46'34   |  |
| evening rise        | -7010 Apr 14 j 20:50 | 10°♒27'56 |            |                     |  | -7008 Oct 27 j 11:54 | 0°♋       |            |  |
| asc. node           | -7010 Apr 17 j 00:19 | 13°♒06'24 |            |                     |  | -7008 Nov 22 j 15:18 | 0°♌       |            |  |
|                     | -7010 Apr 30 j 17:22 | 0°♓       |            |                     |  | -7008 Dec 18 j 00:57 | 0°♍       |            |  |
|                     | -7010 May 25 j 01:18 | 0°♔       |            |                     |  | -7007 Jan 12 j 04:52 | 0°♎       |            |  |
|                     | -7010 Jun 18 j 09:38 | 0°♕       |            | desc. node          |  | -7007 Jan 22 j 07:29 | 12°♎05'38 |            |  |
|                     | -7010 Jul 12 j 20:21 | 0°♖       |            |                     |  | -7007 Feb 06 j 05:39 | 0°♏       |            |  |
|                     | -7010 Aug 06 j 12:39 | 0°♋       |            |                     |  | -7007 Mar 03 j 02:43 | 0°♐       |            |  |
| desc. node          | -7010 Aug 07 j 06:54 | 0°♋55'03  |            |                     |  | -7007 Mar 27 j 19:03 | 0°♑       |            |  |
|                     | -7010 Aug 31 j 16:03 | 0°♌       |            | morning set         |  | -7007 Apr 10 j 00:48 | 16°♑12'09 |            |  |
|                     | -7010 Sep 26 j 18:45 | 0°♍       |            |                     |  | -7007 Apr 21 j 06:17 | 0°♒       |            |  |
| evening max el      | -7010 Oct 15 j 10:07 | 19°♍59'35 | 47°09'22   | max. Earth dist.    |  | -7007 May 11 j 03:45 | 24°♒34'45 | 1.72807 AU |  |
|                     | -7010 Oct 25 j 14:17 | 0°♎       |            | asc. node           |  | -7007 May 14 j 13:22 | 28°♒47'40 |            |  |
| greatest brilliancy | -7010 Nov 24 j 07:48 | 21°♎27'48 | -4.8m      |                     |  |                      |           |            |  |
| asc. node           | -7010 Nov 27 j 17:54 | 22°♎39'00 |            | superior conj       |  | -7007 May 15 j 13:28 | 0°♓02'24  | 0°02'22    |  |
| retrograde          | -7010 Dec 05 j 08:31 | 23°♎47'34 |            | minimum elong       |  | -7007 May 15 j 13:00 | 0°♓00'58  | 0°02'18    |  |
| evening set         | -7010 Dec 21 j 03:48 | 18°♎43'54 |            | behind sun begin    |  | -7007 May 14 j 15:02 | 28°♓52'51 |            |  |
| min. Earth dist.    | -7010 Dec 25 j 14:45 | 15°♎57'53 | 0.28565 AU | behind sun end      |  | -7007 May 16 j 10:58 | 1°♓09'06  |            |  |
| inferior conj       | -7010 Dec 26 j 12:19 | 15°♎23'16 | 6°04'53    |                     |  | -7007 May 15 j 12:41 | 0°♔       |            |  |
| minimum elong       | -7010 Dec 26 j 03:29 | 15°♎37'27 | 6°02'50    |                     |  | -7007 Jun 08 j 15:07 | 0°♕       |            |  |
| morning rise        | -7010 Dec 31 j 03:48 | 12°♎29'01 |            | evening rise        |  | -7007 Jun 20 j 14:29 | 14°♕57'27 |            |  |
| direct              | -7009 Jan 16 j 15:36 | 7°♎08'43  |            |                     |  | -7007 Jul 02 j 14:59 | 0°♕       |            |  |
| greatest brilliancy | -7009 Jan 25 j 11:10 | 8°♎35'14  | -4.7m      |                     |  | -7007 Jul 26 j 14:16 | 0°♖       |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |  |                     |  |                      |           |            |  |  |
|---------------------|----------------------|-----------|------------|--|---------------------|--|----------------------|-----------|------------|--|--|
|                     | -7007 Aug 19 j 15:13 | 0°♌       |            |  |                     |  | -7005 Dec 27 j 11:30 | 0°♊       |            |  |  |
| desc. node          | -7007 Sep 03 j 18:56 | 18°♌49'05 |            |  |                     |  | -7004 Jan 24 j 13:50 | 0°♌       |            |  |  |
|                     | -7007 Sep 12 j 20:04 | 0°♍       |            |  | desc. node          |  | -7004 Feb 19 j 19:40 | 29°♌38'57 |            |  |  |
|                     | -7007 Oct 07 j 07:23 | 0°♊       |            |  |                     |  | -7004 Feb 20 j 02:59 | 0°♌       |            |  |  |
|                     | -7007 Nov 01 j 05:40 | 0°♌       |            |  |                     |  | -7004 Mar 16 j 21:46 | 0°♊       |            |  |  |
|                     | -7007 Nov 27 j 02:06 | 0°♌       |            |  |                     |  | -7004 Apr 11 j 03:28 | 0°♌       |            |  |  |
| evening max el      | -7007 Dec 25 j 02:23 | 29°♌50'48 | 45°34'51   |  |                     |  | -7004 May 05 j 22:19 | 0°♌       |            |  |  |
| asc. node           | -7007 Dec 25 j 04:39 | 29°♌56'22 |            |  |                     |  | -7004 May 30 j 07:56 | 0°♍       |            |  |  |
|                     | -7007 Dec 25 j 06:07 | 0°♊       |            |  | asc. node           |  | -7004 Jun 11 j 02:34 | 14°♍37'23 |            |  |  |
| greatest brilliancy | -7006 Feb 01 j 02:51 | 28°♊16'27 | -4.7m      |  | morning set         |  | -7004 Jun 16 j 06:06 | 21°♍02'25 |            |  |  |
|                     | -7006 Feb 07 j 09:09 | 0°♌       |            |  |                     |  | -7004 Jun 23 j 10:05 | 0°♌       |            |  |  |
| retrograde          | -7006 Feb 11 j 21:53 | 0°♌23'25  |            |  |                     |  | -7004 Jul 17 j 06:59 | 0°♌       |            |  |  |
|                     | -7006 Feb 16 j 08:24 | 30°♌♊     |            |  | max. Earth dist.    |  | -7004 Jul 21 j 23:05 | 5°♌53'26  | 1.71077 AU |  |  |
| evening set         | -7006 Mar 01 j 08:07 | 24°♊37'58 |            |  |                     |  |                      |           |            |  |  |
| inferior conj       | -7006 Mar 05 j 09:49 | 22°♊05'47 | 7°28'34    |  | superior conj       |  | -7004 Jul 24 j 00:07 | 8°♌28'08  | 1°18'01    |  |  |
| minimum elong       | -7006 Mar 05 j 16:03 | 21°♊55'51 | 7°27'27    |  | minimum elong       |  | -7004 Jul 23 j 17:30 | 8°♌07'15  | 1°18'19    |  |  |
| min. Earth dist.    | -7006 Mar 06 j 00:36 | 21°♊42'17 | 0.29514 AU |  |                     |  | -7004 Aug 10 j 01:26 | 0°♌       |            |  |  |
| morning rise        | -7006 Mar 09 j 23:52 | 19°♊14'27 |            |  | evening rise        |  | -7004 Sep 02 j 02:59 | 29°♌05'22 |            |  |  |
| direct              | -7006 Mar 27 j 08:00 | 13°♊35'15 |            |  |                     |  | -7004 Sep 02 j 20:21 | 0°♌       |            |  |  |
| greatest brilliancy | -7006 Apr 06 j 16:59 | 15°♊30'29 | -4.7m      |  |                     |  | -7004 Sep 26 j 18:02 | 0°♍       |            |  |  |
| desc. node          | -7006 Apr 16 j 15:48 | 20°♊20'01 |            |  | desc. node          |  | -7004 Oct 01 j 07:28 | 5°♍42'01  |            |  |  |
|                     | -7006 Apr 30 j 03:46 | 0°♌       |            |  |                     |  | -7004 Oct 20 j 19:50 | 0°♊       |            |  |  |
| morning max el      | -7006 May 15 j 11:01 | 13°♌41'33 | 46°03'51   |  |                     |  | -7004 Nov 14 j 02:41 | 0°♌       |            |  |  |
|                     | -7006 May 31 j 13:07 | 0°♌       |            |  |                     |  | -7004 Dec 08 j 16:39 | 0°♌       |            |  |  |
|                     | -7006 Jun 27 j 13:17 | 0°♍       |            |  |                     |  | -7003 Jan 02 j 18:51 | 0°♊       |            |  |  |
|                     | -7006 Jul 22 j 21:48 | 0°♌       |            |  | asc. node           |  | -7003 Jan 21 j 15:48 | 21°♊53'14 |            |  |  |
| asc. node           | -7006 Aug 07 j 02:02 | 18°♌30'23 |            |  |                     |  | -7003 Jan 28 j 20:10 | 0°♌       |            |  |  |
|                     | -7006 Aug 16 j 09:20 | 0°♌       |            |  |                     |  | -7003 Feb 25 j 22:46 | 0°♌       |            |  |  |
|                     | -7006 Sep 09 j 09:52 | 0°♌       |            |  | evening max el      |  | -7003 Mar 06 j 01:18 | 7°♌54'07  | 45°01'20   |  |  |
|                     | -7006 Oct 03 j 06:29 | 0°♌       |            |  |                     |  | -7003 Apr 02 j 15:41 | 0°♍       |            |  |  |
|                     | -7006 Oct 27 j 04:10 | 0°♍       |            |  | greatest brilliancy |  | -7003 Apr 12 j 20:23 | 4°♍54'14  | -4.7m      |  |  |
| morning set         | -7006 Nov 17 j 06:23 | 26°♍19'12 |            |  | retrograde          |  | -7003 Apr 23 j 05:05 | 6°♍48'07  |            |  |  |
|                     | -7006 Nov 20 j 05:24 | 0°♊       |            |  | evening set         |  | -7003 May 07 j 23:14 | 2°♍41'23  |            |  |  |
| desc. node          | -7006 Nov 27 j 07:35 | 8°♊48'16  |            |  |                     |  | -7003 May 12 j 17:03 | 30°♌♌     |            |  |  |
|                     | -7006 Dec 14 j 10:24 | 0°♌       |            |  | inferior conj       |  | -7003 May 14 j 09:59 | 28°♌58'17 | -0°04'25   |  |  |
|                     |                      |           |            |  | minimum elong       |  | -7003 May 14 j 09:49 | 28°♌58'32 | 0°04'25    |  |  |
| superior conj       | -7006 Dec 28 j 12:07 | 17°♌22'12 | -1°02'40   |  | transit middle      |  | -7003 May 14 j 09:49 | 28°♌58'32 | 0°04'25    |  |  |
| minimum elong       | -7006 Dec 28 j 02:09 | 16°♌51'29 | 1°02'40    |  | transit begin       |  | -7003 May 14 j 05:51 | 29°♌04'32 |            |  |  |
| max. Earth dist.    | -7006 Dec 31 j 07:38 | 20°♌50'14 | 1.73027 AU |  | transit end         |  | -7003 May 14 j 13:46 | 28°♌52'33 |            |  |  |
|                     | -7005 Jan 07 j 18:07 | 0°♌       |            |  | desc. node          |  | -7003 May 14 j 02:27 | 29°♌09'40 |            |  |  |
|                     | -7005 Feb 01 j 03:36 | 0°♊       |            |  | min. Earth dist.    |  | -7003 May 15 j 05:27 | 28°♌28'48 | 0.28109 AU |  |  |
| evening rise        | -7005 Feb 04 j 17:01 | 4°♊22'11  |            |  | morning rise        |  | -7003 May 20 j 19:26 | 25°♌14'35 |            |  |  |
| greatest brilliancy | -7005 Feb 19 j 21:12 | 22°♊58'41 | -3.9m      |  | direct              |  | -7003 Jun 04 j 22:45 | 20°♌52'17 |            |  |  |
|                     | -7005 Feb 25 j 14:53 | 0°♌       |            |  | greatest brilliancy |  | -7003 Jun 16 j 10:01 | 23°♌14'37 | -4.8m      |  |  |
| asc. node           | -7005 Mar 19 j 13:37 | 26°♌47'32 |            |  |                     |  | -7003 Jun 28 j 17:57 | 0°♍       |            |  |  |
|                     | -7005 Mar 22 j 04:52 | 0°♌       |            |  | morning max el      |  | -7003 Jul 25 j 02:59 | 22°♍49'30 | 46°36'31   |  |  |
|                     | -7005 Apr 15 j 22:48 | 0°♍       |            |  |                     |  | -7003 Aug 01 j 03:04 | 0°♌       |            |  |  |
|                     | -7005 May 10 j 22:11 | 0°♌       |            |  |                     |  | -7003 Aug 28 j 02:31 | 0°♌       |            |  |  |
|                     | -7005 Jun 05 j 05:59 | 0°♌       |            |  | asc. node           |  | -7003 Sep 03 j 13:51 | 7°♌34'46  |            |  |  |
|                     | -7005 Jul 01 j 05:35 | 0°♌       |            |  |                     |  | -7003 Sep 22 j 07:05 | 0°♌       |            |  |  |
| desc. node          | -7005 Jul 09 j 21:43 | 9°♌43'15  |            |  |                     |  | -7003 Oct 16 j 19:03 | 0°♌       |            |  |  |
|                     | -7005 Jul 28 j 18:19 | 0°♌       |            |  |                     |  | -7003 Nov 10 j 02:27 | 0°♍       |            |  |  |
| evening max el      | -7005 Aug 02 j 16:43 | 5°♌01'54  | 47°36'50   |  |                     |  | -7003 Dec 04 j 10:57 | 0°♊       |            |  |  |
|                     | -7005 Aug 31 j 09:36 | 0°♍       |            |  | desc. node          |  | -7003 Dec 24 j 20:51 | 25°♊02'41 |            |  |  |
| greatest brilliancy | -7005 Sep 13 j 03:28 | 6°♍42'11  | -4.9m      |  |                     |  | -7003 Dec 28 j 21:58 | 0°♌       |            |  |  |
| retrograde          | -7005 Sep 22 j 14:31 | 8°♍25'45  |            |  |                     |  | -7002 Jan 22 j 10:28 | 0°♌       |            |  |  |
| evening set         | -7005 Oct 08 j 00:57 | 3°♍40'51  |            |  | morning set         |  | -7002 Jan 30 j 04:21 | 9°♌28'20  |            |  |  |
| inferior conj       | -7005 Oct 13 j 06:52 | 0°♍30'33  | -4°10'11   |  |                     |  | -7002 Feb 15 j 22:49 | 0°♊       |            |  |  |
| minimum elong       | -7005 Oct 13 j 15:11 | 0°♍17'37  | 4°07'33    |  | max. Earth dist.    |  | -7002 Mar 06 j 08:09 | 22°♊32'30 | 1.73770 AU |  |  |
| min. Earth dist.    | -7005 Oct 12 j 22:03 | 0°♍44'16  | 0.26668 AU |  |                     |  |                      |           |            |  |  |
|                     | -7005 Oct 14 j 02:31 | 30°♌♌     |            |  | superior conj       |  | -7002 Mar 08 j 00:29 | 24°♊36'18 | -1°13'17   |  |  |
| morning rise        | -7005 Oct 19 j 05:48 | 26°♌57'51 |            |  | minimum elong       |  | -7002 Mar 08 j 07:11 | 24°♊56'52 | 1°13'35    |  |  |
| asc. node           | -7005 Oct 30 j 09:28 | 23°♌02'23 |            |  |                     |  | -7002 Mar 12 j 09:57 | 0°♌       |            |  |  |
| direct              | -7005 Nov 02 j 12:06 | 22°♌50'23 |            |  |                     |  | -7002 Apr 05 j 19:43 | 0°♌       |            |  |  |
| greatest brilliancy | -7005 Nov 12 j 05:46 | 24°♌38'44 | -4.9m      |  | evening rise        |  | -7002 Apr 12 j 16:36 | 8°♌27'23  |            |  |  |
|                     | -7005 Nov 22 j 20:57 | 0°♍       |            |  | asc. node           |  | -7002 Apr 16 j 02:24 | 12°♌39'11 |            |  |  |
| morning max el      | -7005 Dec 22 j 05:08 | 24°♍43'59 | 46°18'01   |  |                     |  | -7002 Apr 30 j 04:25 | 0°♍       |            |  |  |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|--|
|                     | -7002 May 24 j 12:38 | 0°♄       |            |                     |  | -6999 Jan 11 j 17:04 | 0°♍       |            |  |
|                     | -7002 Jun 17 j 21:24 | 0°♅       |            | desc. node          |  | -6999 Jan 21 j 09:35 | 11°♍36'10 |            |  |
|                     | -7002 Jul 12 j 08:44 | 0°♆       |            |                     |  | -6999 Feb 05 j 17:15 | 0°♎       |            |  |
| desc. node          | -7002 Aug 06 j 09:02 | 0°♇21'24  |            |                     |  | -6999 Mar 02 j 13:53 | 0°♏       |            |  |
|                     | -7002 Aug 06 j 01:56 | 0°♈       |            |                     |  | -6999 Mar 27 j 05:58 | 0°♐       |            |  |
|                     | -7002 Aug 31 j 06:44 | 0°♉       |            | morning set         |  | -6999 Apr 07 j 19:57 | 14°♐10'29 |            |  |
|                     | -7002 Sep 26 j 12:19 | 0°♊       |            |                     |  | -6999 Apr 20 j 17:05 | 0°♑       |            |  |
| evening max el      | -7002 Oct 13 j 03:05 | 17°♊44'47 | 47°12'16   | max. Earth dist.    |  | -6999 May 08 j 22:10 | 22°♑29'40 | 1.72864 AU |  |
|                     | -7002 Oct 25 j 17:20 | 0°♋       |            |                     |  |                      |           |            |  |
| greatest brilliancy | -7002 Nov 22 j 00:45 | 19°♋13'22 | -4.9m      | superior conj       |  | -6999 May 13 j 08:09 | 27°♑58'01 | -0°00'44   |  |
| asc. node           | -7002 Nov 26 j 20:10 | 20°♋46'36 |            | minimum elong       |  | -6999 May 13 j 08:19 | 27°♑58'31 | 0°00'48    |  |
| retrograde          | -7002 Dec 03 j 01:45 | 21°♋32'58 |            | behind sun begin    |  | -6999 May 12 j 10:17 | 26°♑50'13 |            |  |
| evening set         | -7002 Dec 18 j 17:50 | 16°♋33'10 |            | behind sun end      |  | -6999 May 14 j 06:20 | 29°♑06'50 |            |  |
| min. Earth dist.    | -7002 Dec 23 j 06:01 | 13°♋45'16 | 0.28491 AU | asc. node           |  | -6999 May 13 j 15:36 | 28°♑21'10 |            |  |
| inferior conj       | -7002 Dec 24 j 04:32 | 13°♋09'07 | 5°51'38    |                     |  | -6999 May 14 j 23:29 | 0°♒       |            |  |
| minimum elong       | -7002 Dec 23 j 19:41 | 13°♋23'20 | 5°49'32    |                     |  | -6999 Jun 08 j 02:01 | 0°♓       |            |  |
| morning rise        | -7002 Dec 28 j 22:16 | 10°♋11'44 |            | evening rise        |  | -6999 Jun 18 j 07:42 | 12°♓46'58 |            |  |
| direct              | -7001 Jan 14 j 07:28 | 4°♋55'59  |            |                     |  | -6999 Jul 02 j 02:04 | 0°♌       |            |  |
| greatest brilliancy | -7001 Jan 23 j 01:26 | 6°♋21'34  | -4.7m      |                     |  | -6999 Jul 26 j 01:34 | 0°♍       |            |  |
|                     | -7001 Feb 26 j 23:17 | 0°♎       |            |                     |  | -6999 Aug 19 j 02:47 | 0°♎       |            |  |
| morning max el      | -7001 Mar 04 j 01:52 | 4°♎45'02  | 45°53'33   | desc. node          |  | -6999 Sep 02 j 20:59 | 18°♎18'58 |            |  |
| desc. node          | -7001 Mar 19 j 07:05 | 19°♎52'34 |            |                     |  | -6999 Sep 12 j 08:00 | 0°♏       |            |  |
|                     | -7001 Mar 28 j 21:53 | 0°♏       |            |                     |  | -6999 Oct 06 j 19:53 | 0°♐       |            |  |
|                     | -7001 Apr 24 j 22:59 | 0°♐       |            |                     |  | -6999 Oct 31 j 19:10 | 0°♑       |            |  |
|                     | -7001 May 20 j 16:37 | 0°♑       |            |                     |  | -6999 Nov 26 j 17:43 | 0°♒       |            |  |
|                     | -7001 Jun 14 j 14:33 | 0°♒       |            | evening max el      |  | -6999 Dec 22 j 16:54 | 27°♒35'23 | 45°37'33   |  |
|                     | -7001 Jul 08 j 22:42 | 0°♓       |            | asc. node           |  | -6999 Dec 24 j 06:58 | 29°♒08'42 |            |  |
| asc. node           | -7001 Jul 09 j 15:39 | 0°♓52'43  |            |                     |  | -6999 Dec 25 j 04:06 | 0°♔       |            |  |
|                     | -7001 Aug 01 j 21:34 | 0°♌       |            | greatest brilliancy |  | -6998 Jan 29 j 19:43 | 26°♔09'57 | -4.7m      |  |
| greatest brilliancy | -7001 Aug 04 j 02:19 | 2°♌46'07  | -3.9m      | retrograde          |  | -6998 Feb 09 j 14:46 | 28°♔17'40 |            |  |
|                     | -7001 Aug 25 j 15:36 | 0°♍       |            | evening set         |  | -6998 Feb 27 j 02:50 | 22°♔29'06 |            |  |
| morning set         | -7001 Aug 29 j 05:10 | 4°♍30'44  |            | inferior conj       |  | -6998 Mar 03 j 03:01 | 19°♔59'13 | 7°35'17    |  |
|                     | -7001 Sep 18 j 08:54 | 0°♎       |            | minimum elong       |  | -6998 Mar 03 j 08:47 | 19°♔50'03 | 7°34'17    |  |
|                     |                      |           |            | min. Earth dist.    |  | -6998 Mar 03 j 17:02 | 19°♔36'57 | 0.29531 AU |  |
| superior conj       | -7001 Oct 09 j 16:36 | 26°♎51'43 | 0°44'08    | morning rise        |  | -6998 Mar 07 j 14:34 | 17°♔11'27 |            |  |
| minimum elong       | -7001 Oct 10 j 03:12 | 27°♎25'00 | 0°43'59    | direct              |  | -6998 Mar 25 j 00:22 | 11°♔28'18 |            |  |
|                     | -7001 Oct 12 j 04:33 | 0°♏       |            | greatest brilliancy |  | -6998 Apr 04 j 09:01 | 13°♔22'54 | -4.7m      |  |
| max. Earth dist.    | -7001 Oct 15 j 18:12 | 4°♏28'44  | 1.71229 AU | desc. node          |  | -6998 Apr 15 j 17:58 | 19°♔03'49 |            |  |
| desc. node          | -7001 Oct 29 j 20:32 | 22°♏07'29 |            |                     |  | -6998 Apr 30 j 10:04 | 0°♐       |            |  |
|                     | -7001 Nov 05 j 04:01 | 0°♐       |            | morning max el      |  | -6998 May 13 j 02:49 | 11°♐30'44 | 46°03'00   |  |
| evening rise        | -7001 Nov 21 j 13:05 | 20°♐22'23 |            |                     |  | -6998 May 31 j 06:34 | 0°♑       |            |  |
|                     | -7001 Nov 29 j 07:27 | 0°♑       |            |                     |  | -6998 Jun 27 j 03:26 | 0°♒       |            |  |
|                     | -7001 Dec 23 j 14:45 | 0°♒       |            |                     |  | -6998 Jul 22 j 10:33 | 0°♓       |            |  |
|                     | -7000 Jan 17 j 02:46 | 0°♓       |            | asc. node           |  | -6998 Aug 06 j 04:03 | 17°♓58'50 |            |  |
| asc. node           | -7000 Feb 10 j 21:55 | 0°♌       |            |                     |  | -6998 Aug 15 j 21:23 | 0°♌       |            |  |
|                     | -7000 Feb 19 j 03:26 | 9°♌50'55  |            |                     |  | -6998 Sep 08 j 21:30 | 0°♍       |            |  |
|                     | -7000 Mar 07 j 04:16 | 0°♎       |            |                     |  | -6998 Oct 02 j 17:52 | 0°♎       |            |  |
|                     | -7000 Apr 02 j 04:16 | 0°♏       |            |                     |  | -6998 Oct 26 j 15:21 | 0°♏       |            |  |
|                     | -7000 Apr 29 j 12:00 | 0°♐       |            | morning set         |  | -6998 Nov 14 j 16:55 | 23°♏48'08 |            |  |
| evening max el      | -7000 May 17 j 13:39 | 18°♐19'43 | 46°06'10   |                     |  | -6998 Nov 19 j 16:28 | 0°♑       |            |  |
|                     | -7000 May 30 j 08:24 | 0°♑       |            | desc. node          |  | -6998 Nov 26 j 09:47 | 8°♑20'57  |            |  |
| desc. node          | -7000 Jun 10 j 13:13 | 8°♑47'14  |            |                     |  | -6998 Dec 13 j 21:22 | 0°♒       |            |  |
| greatest brilliancy | -7000 Jun 26 j 17:06 | 17°♑28'19 | -4.8m      |                     |  |                      |           |            |  |
| retrograde          | -7000 Jul 06 j 04:05 | 19°♑05'51 |            | superior conj       |  | -6998 Dec 26 j 01:41 | 15°♑02'25 | -1°00'22   |  |
| evening set         | -7000 Jul 23 j 08:59 | 13°♑34'45 |            | minimum elong       |  | -6998 Dec 25 j 15:33 | 14°♑31'12 | 1°00'20    |  |
| inferior conj       | -7000 Jul 26 j 22:47 | 11°♑27'32 | -8°34'48   | max. Earth dist.    |  | -6998 Dec 28 j 23:06 | 18°♑36'25 | 1.72978 AU |  |
| minimum elong       | -7000 Jul 26 j 16:50 | 11°♑36'30 | 8°33'51    |                     |  | -6997 Jan 07 j 05:00 | 0°♒       |            |  |
| min. Earth dist.    | -7000 Jul 26 j 22:16 | 11°♑28'18 | 0.26835 AU |                     |  | -6997 Jan 31 j 14:28 | 0°♓       |            |  |
| morning rise        | -7000 Jul 30 j 00:36 | 9°♑37'39  |            | evening rise        |  | -6997 Feb 02 j 09:51 | 2°♓13'11  |            |  |
| direct              | -7000 Aug 16 j 13:16 | 3°♑50'24  |            | greatest brilliancy |  | -6997 Feb 19 j 05:20 | 22°♓50'09 | -3.9m      |  |
| greatest brilliancy | -7000 Aug 27 j 02:56 | 5°♑56'34  | -4.9m      |                     |  | -6997 Feb 25 j 01:51 | 0°♌       |            |  |
|                     | -7000 Sep 28 j 21:24 | 0°♍       |            | asc. node           |  | -6997 Mar 18 j 15:44 | 26°♌19'54 |            |  |
| asc. node           | -7000 Oct 01 j 01:00 | 2°♍06'01  |            |                     |  | -6997 Mar 21 j 16:07 | 0°♎       |            |  |
| morning max el      | -7000 Oct 06 j 06:58 | 7°♍22'51  | 46°46'52   |                     |  | -6997 Apr 15 j 10:33 | 0°♏       |            |  |
|                     | -7000 Oct 27 j 05:33 | 0°♎       |            |                     |  | -6997 May 10 j 10:46 | 0°♐       |            |  |
|                     | -7000 Nov 22 j 05:55 | 0°♏       |            |                     |  | -6997 Jun 04 j 19:54 | 0°♑       |            |  |
|                     | -7000 Dec 17 j 14:03 | 0°♐       |            |                     |  | -6997 Jun 30 j 21:54 | 0°♒       |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                                   |            |                     |                      |                          |            |
|---------------------|----------------------|-----------------------------------|------------|---------------------|----------------------|--------------------------|------------|
| desc. node          | -6997 Jul 08 j 23:51 | 9° $\mathfrak{D}$ 00'40           |            |                     | -6995 Oct 16 j 07:41 | 0° $\mathcal{O}$         |            |
|                     | -6997 Jul 28 j 16:17 | 0° $\mathcal{O}$                  |            |                     | -6995 Nov 09 j 14:30 | 0° $\mathfrak{M}$        |            |
| evening max el      | -6997 Jul 31 j 06:00 | 2° $\mathcal{O}$ 36'08            | 47°35'26   |                     | -6995 Dec 03 j 22:34 | 0° $\mathfrak{A}$        |            |
|                     | -6997 Sep 01 j 20:02 | 0° $\mathfrak{M}$                 |            | desc. node          | -6995 Dec 23 j 22:57 | 24° $\mathfrak{A}$ 34'27 |            |
| greatest brilliancy | -6997 Sep 10 j 18:02 | 4° $\mathfrak{M}$ 15'20           | -4.9m      |                     | -6995 Dec 28 j 09:14 | 0° $\mathfrak{M}$        |            |
| retrograde          | -6997 Sep 20 j 03:53 | 5° $\mathfrak{M}$ 58'02           |            |                     | -6994 Jan 21 j 21:28 | 0° $\mathfrak{A}$        |            |
| evening set         | -6997 Oct 05 j 16:44 | 1° $\mathfrak{M}$ 09'28           |            | morning set         | -6994 Jan 27 j 20:34 | 7° $\mathfrak{A}$ 17'40  |            |
|                     | -6997 Oct 07 j 16:12 | 30° $\mathfrak{R}$ $\mathcal{O}$  |            |                     | -6994 Feb 15 j 09:39 | 0° $\mathfrak{Z}$        |            |
| inferior conj       | -6997 Oct 10 j 19:57 | 28° $\mathcal{O}$ 03'40           | -4°31'03   | max. Earth dist.    | -6994 Mar 04 j 07:59 | 20° $\mathfrak{Z}$ 45'17 | 1.73774 AU |
| minimum elong       | -6997 Oct 11 j 04:48 | 27° $\mathcal{O}$ 49'57           | 4°28'18    |                     |                      |                          |            |
| min. Earth dist.    | -6997 Oct 10 j 12:01 | 28° $\mathcal{O}$ 15'59           | 0.26639 AU | superior conj       | -6994 Mar 05 j 19:25 | 22° $\mathfrak{Z}$ 34'00 | -1°14'34   |
| morning rise        | -6997 Oct 16 j 17:10 | 24° $\mathcal{O}$ 33'52           |            | minimum elong       | -6994 Mar 06 j 01:47 | 22° $\mathfrak{Z}$ 53'29 | 1°14'55    |
| asc. node           | -6997 Oct 29 j 11:42 | 20° $\mathcal{O}$ 26'56           |            |                     | -6994 Mar 11 j 20:45 | 0° $\approx$             |            |
| direct              | -6997 Oct 31 j 00:37 | 20° $\mathcal{O}$ 24'00           |            |                     | -6994 Apr 05 j 06:36 | 0° $\mathfrak{H}$        |            |
| greatest brilliancy | -6997 Nov 09 j 19:47 | 22° $\mathcal{O}$ 14'00           | -4.9m      | evening rise        | -6994 Apr 10 j 12:21 | 6° $\mathfrak{H}$ 26'53  |            |
|                     | -6997 Nov 24 j 00:48 | 0° $\mathfrak{M}$                 |            | asc. node           | -6994 Apr 15 j 04:38 | 12° $\mathfrak{H}$ 12'24 |            |
| morning max el      | -6997 Dec 19 j 19:50 | 22° $\mathfrak{M}$ 25'18          | 46°19'14   |                     | -6994 Apr 29 j 15:29 | 0° $\mathfrak{Y}$        |            |
|                     | -6997 Dec 27 j 08:15 | 0° $\mathfrak{A}$                 |            |                     | -6994 May 24 j 00:00 | 0° $\mathfrak{B}$        |            |
|                     | -6996 Jan 24 j 05:18 | 0° $\mathfrak{M}$                 |            |                     | -6994 Jun 17 j 09:14 | 0° $\mathfrak{I}$        |            |
| desc. node          | -6996 Feb 18 j 21:43 | 29° $\mathfrak{M}$ 06'30          |            | desc. node          | -6994 Jul 11 j 21:12 | 0° $\mathfrak{D}$        |            |
|                     | -6996 Feb 19 j 16:18 | 0° $\mathfrak{A}$                 |            |                     | -6994 Aug 05 j 11:06 | 29° $\mathfrak{D}$ 47'21 |            |
|                     | -6996 Mar 16 j 09:57 | 0° $\mathfrak{Z}$                 |            |                     | -6994 Aug 05 j 15:19 | 0° $\mathcal{O}$         |            |
|                     | -6996 Apr 10 j 14:59 | 0° $\approx$                      |            |                     | -6994 Aug 30 j 21:36 | 0° $\mathfrak{M}$        |            |
|                     | -6996 May 05 j 09:28 | 0° $\mathfrak{H}$                 |            |                     | -6994 Sep 26 j 06:17 | 0° $\mathfrak{A}$        |            |
|                     | -6996 May 29 j 18:55 | 0° $\mathfrak{Y}$                 |            | evening max el      | -6994 Oct 10 j 19:51 | 15° $\mathfrak{A}$ 29'14 | 47°15'03   |
| asc. node           | -6996 Jun 10 j 04:46 | 14° $\mathfrak{Y}$ 10'09          |            |                     | -6994 Oct 25 j 22:05 | 0° $\mathfrak{M}$        |            |
| morning set         | -6996 Jun 13 j 22:42 | 18° $\mathfrak{Y}$ 50'21          |            | greatest brilliancy | -6994 Nov 19 j 18:27 | 16° $\mathfrak{M}$ 59'46 | -4.9m      |
|                     | -6996 Jun 22 j 21:02 | 0° $\mathfrak{B}$                 |            | asc. node           | -6994 Nov 25 j 22:29 | 18° $\mathfrak{M}$ 50'05 |            |
|                     | -6996 Jul 16 j 17:59 | 0° $\mathfrak{I}$                 |            | retrograde          | -6994 Nov 30 j 18:41 | 19° $\mathfrak{M}$ 18'14 |            |
| max. Earth dist.    | -6996 Jul 19 j 08:43 | 3° $\mathfrak{I}$ 17'43           | 1.71122 AU | evening set         | -6994 Dec 16 j 08:04 | 14° $\mathfrak{M}$ 22'30 |            |
|                     |                      |                                   |            | min. Earth dist.    | -6994 Dec 20 j 21:45 | 11° $\mathfrak{M}$ 32'18 | 0.28411 AU |
| superior conj       | -6996 Jul 21 j 13:54 | 6° $\mathfrak{I}$ 05'24           | 1°16'41    | inferior conj       | -6994 Dec 21 j 20:50 | 10° $\mathfrak{M}$ 55'11 | 5°37'49    |
| minimum elong       | -6996 Jul 21 j 06:44 | 5° $\mathfrak{I}$ 42'46           | 1°16'57    | minimum elong       | -6994 Dec 21 j 12:00 | 11° $\mathfrak{M}$ 09'22 | 5°35'40    |
|                     | -6996 Aug 09 j 12:32 | 0° $\mathfrak{D}$                 |            | morning rise        | -6994 Dec 26 j 16:46 | 7° $\mathfrak{M}$ 54'31  |            |
| evening rise        | -6996 Aug 30 j 12:16 | 26° $\mathfrak{D}$ 28'11          |            | direct              | -6993 Jan 11 j 23:14 | 2° $\mathfrak{M}$ 43'34  |            |
|                     | -6996 Sep 02 j 07:34 | 0° $\mathcal{O}$                  |            | greatest brilliancy | -6993 Jan 20 j 16:10 | 4° $\mathfrak{M}$ 08'25  | -4.8m      |
|                     | -6996 Sep 26 j 05:22 | 0° $\mathfrak{M}$                 |            |                     | -6993 Feb 26 j 23:41 | 0° $\mathfrak{A}$        |            |
| desc. node          | -6996 Sep 30 j 09:39 | 5° $\mathfrak{M}$ 13'23           |            | morning max el      | -6993 Mar 01 j 17:12 | 2° $\mathfrak{A}$ 33'55  | 45°53'49   |
|                     | -6996 Oct 20 j 07:16 | 0° $\mathfrak{A}$                 |            | desc. node          | -6993 Mar 18 j 09:19 | 19° $\mathfrak{A}$ 11'50 |            |
|                     | -6996 Nov 13 j 14:18 | 0° $\mathfrak{M}$                 |            |                     | -6993 Mar 28 j 14:07 | 0° $\mathfrak{Z}$        |            |
|                     | -6996 Dec 08 j 04:40 | 0° $\mathfrak{A}$                 |            |                     | -6993 Apr 24 j 12:35 | 0° $\approx$             |            |
|                     | -6995 Jan 02 j 07:44 | 0° $\mathfrak{Z}$                 |            |                     | -6993 May 20 j 05:02 | 0° $\mathfrak{H}$        |            |
| asc. node           | -6995 Jan 20 j 17:52 | 21° $\mathfrak{Z}$ 18'55          |            |                     | -6993 Jun 14 j 02:22 | 0° $\mathfrak{Y}$        |            |
|                     | -6995 Jan 28 j 11:00 | 0° $\approx$                      |            |                     | -6993 Jul 08 j 10:12 | 0° $\mathfrak{B}$        |            |
|                     | -6995 Feb 25 j 18:59 | 0° $\mathfrak{H}$                 |            | asc. node           | -6993 Jul 08 j 17:42 | 0° $\mathfrak{B}$ 23'20  |            |
| evening max el      | -6995 Mar 03 j 17:33 | 5° $\mathfrak{H}$ 45'03           | 45°00'41   |                     | -6993 Aug 01 j 08:55 | 0° $\mathfrak{I}$        |            |
|                     | -6995 Apr 04 j 05:45 | 0° $\mathfrak{Y}$                 |            | greatest brilliancy | -6993 Aug 04 j 10:00 | 3° $\mathfrak{I}$ 50'12  | -3.9m      |
| greatest brilliancy | -6995 Apr 10 j 10:11 | 2° $\mathfrak{Y}$ 40'48           | -4.7m      |                     | -6993 Aug 25 j 02:54 | 0° $\mathfrak{D}$        |            |
| retrograde          | -6995 Apr 20 j 19:47 | 4° $\mathfrak{Y}$ 35'03           |            | morning set         | -6993 Aug 26 j 16:12 | 1° $\mathfrak{D}$ 58'00  |            |
| evening set         | -6995 May 05 j 14:51 | 0° $\mathfrak{Y}$ 27'01           |            |                     | -6993 Sep 17 j 20:12 | 0° $\mathcal{O}$         |            |
|                     | -6995 May 06 j 11:03 | 30° $\mathfrak{R}$ $\mathfrak{H}$ |            |                     |                      |                          |            |
| inferior conj       | -6995 May 12 j 00:45 | 26° $\mathfrak{H}$ 44'22          | 0°16'24    | superior conj       | -6993 Oct 07 j 01:00 | 24° $\mathcal{O}$ 11'51  | 0°47'29    |
| minimum elong       | -6995 May 12 j 01:21 | 26° $\mathfrak{H}$ 43'27          | 0°16'08    | minimum elong       | -6993 Oct 07 j 12:02 | 24° $\mathcal{O}$ 46'31  | 0°47'22    |
| transit middle      | -6995 May 12 j 01:21 | 26° $\mathfrak{H}$ 43'27          | 0°16'08    |                     | -6993 Oct 11 j 15:51 | 0° $\mathfrak{M}$        |            |
| transit begin       | -6995 May 12 j 00:49 | 26° $\mathfrak{H}$ 44'16          |            | max. Earth dist.    | -6993 Oct 13 j 01:47 | 1° $\mathfrak{M}$ 46'29  | 1.71176 AU |
| transit end         | -6995 May 12 j 01:53 | 26° $\mathfrak{H}$ 42'38          |            | desc. node          | -6993 Oct 28 j 22:42 | 21° $\mathfrak{M}$ 39'01 |            |
| min. Earth dist.    | -6995 May 12 j 20:37 | 26° $\mathfrak{H}$ 14'12          | 0.28170 AU |                     | -6993 Nov 04 j 15:18 | 0° $\mathfrak{A}$        |            |
| desc. node          | -6995 May 13 j 04:45 | 26° $\mathfrak{H}$ 01'53          |            | evening rise        | -6993 Nov 18 j 23:09 | 17° $\mathfrak{A}$ 49'31 |            |
| morning rise        | -6995 May 18 j 10:59 | 22° $\mathfrak{H}$ 59'21          |            |                     | -6993 Nov 28 j 18:45 | 0° $\mathfrak{M}$        |            |
| direct              | -6995 Jun 02 j 14:54 | 18° $\mathfrak{H}$ 37'21          |            |                     | -6993 Dec 23 j 02:06 | 0° $\mathfrak{A}$        |            |
| greatest brilliancy | -6995 Jun 14 j 00:55 | 20° $\mathfrak{H}$ 58'43          | -4.8m      |                     | -6992 Jan 16 j 14:18 | 0° $\mathfrak{Z}$        |            |
|                     | -6995 Jun 29 j 13:50 | 0° $\mathfrak{Y}$                 |            |                     | -6992 Feb 10 j 09:52 | 0° $\approx$             |            |
| morning max el      | -6995 Jul 22 j 18:18 | 20° $\mathfrak{Y}$ 31'51          | 46°35'23   | asc. node           | -6992 Feb 18 j 05:40 | 9° $\approx$ 21'14       |            |
|                     | -6995 Jul 31 j 22:54 | 0° $\mathfrak{B}$                 |            |                     | -6992 Mar 06 j 17:06 | 0° $\mathfrak{H}$        |            |
|                     | -6995 Aug 27 j 17:53 | 0° $\mathfrak{I}$                 |            |                     | -6992 Apr 01 j 18:54 | 0° $\mathfrak{Y}$        |            |
| asc. node           | -6995 Sep 02 j 16:04 | 6° $\mathfrak{I}$ 57'34           |            |                     | -6992 Apr 29 j 06:41 | 0° $\mathfrak{B}$        |            |
|                     | -6995 Sep 21 j 20:39 | 0° $\mathfrak{D}$                 |            | evening max el      | -6992 May 15 j 02:04 | 15° $\mathfrak{B}$ 55'52 | 46°02'32   |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 83

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -6992 May 30 j 17:55 | 0°♊       |            | desc. node          | -6990 Nov 25 j 11:51 | 7°♊51'57  |            |
| desc. node          | -6992 Jun 09 j 15:20 | 7°♊26'35  |            |                     | -6990 Dec 13 j 08:41 | 0°♌       |            |
| greatest brilliancy | -6992 Jun 24 j 04:44 | 15°♊00'55 | -4.8m      |                     |                      |           |            |
| retrograde          | -6992 Jul 03 j 15:15 | 16°♊38'17 |            | superior conj       | -6990 Dec 23 j 14:45 | 12°♌39'59 | -0°57'56   |
| evening set         | -6992 Jul 20 j 17:02 | 11°♊13'14 |            | minimum elong       | -6990 Dec 23 j 04:31 | 12°♌08'25 | 0°57'52    |
| inferior conj       | -6992 Jul 24 j 11:00 | 9°♊00'15  | -8°26'58   | max. Earth dist.    | -6990 Dec 26 j 13:59 | 16°♌19'41 | 1.72925 AU |
| minimum elong       | -6992 Jul 24 j 04:15 | 9°♊10'24  | 8°25'53    |                     | -6989 Jan 06 j 16:13 | 0°♌       |            |
| min. Earth dist.    | -6992 Jul 24 j 11:10 | 8°♊59'59  | 0.26864 AU | evening rise        | -6989 Jan 31 j 02:37 | 0°♌02'56  |            |
| morning rise        | -6992 Jul 27 j 15:19 | 7°♊06'39  |            |                     | -6989 Jan 31 j 01:39 | 0°♌       |            |
| direct              | -6992 Aug 14 j 01:32 | 1°♊22'20  |            | greatest brilliancy | -6989 Feb 18 j 21:55 | 23°♌06'26 | -3.9m      |
| greatest brilliancy | -6992 Aug 24 j 17:21 | 3°♊29'53  | -4.9m      |                     | -6989 Feb 24 j 13:08 | 0°♌       |            |
|                     | -6992 Sep 28 j 23:19 | 0°♌       |            | asc. node           | -6989 Mar 17 j 18:00 | 25°♌51'43 |            |
| asc. node           | -6992 Sep 30 j 03:17 | 1°♌09'28  |            |                     | -6989 Mar 21 j 03:40 | 0°♌       |            |
| morning max el      | -6992 Oct 03 j 18:47 | 4°♌50'49  | 46°47'20   |                     | -6989 Apr 14 j 22:37 | 0°♌       |            |
|                     | -6992 Oct 26 j 23:06 | 0°♌       |            |                     | -6989 May 09 j 23:39 | 0°♌       |            |
|                     | -6992 Nov 21 j 20:36 | 0°♌       |            |                     | -6989 Jun 04 j 10:08 | 0°♌       |            |
|                     | -6992 Dec 17 j 03:17 | 0°♌       |            |                     | -6989 Jun 30 j 14:40 | 0°♌       |            |
|                     | -6991 Jan 11 j 05:25 | 0°♌       |            | desc. node          | -6989 Jul 08 j 01:58 | 8°♌16'56  |            |
| desc. node          | -6991 Jan 20 j 11:35 | 11°♌05'54 |            |                     | -6989 Jul 28 j 15:24 | 0°♌       |            |
|                     | -6991 Feb 05 j 05:00 | 0°♌       |            | evening max el      | -6989 Jul 28 j 20:05 | 0°♌11'44  | 47°33'37   |
|                     | -6991 Mar 02 j 01:14 | 0°♌       |            |                     | -6989 Sep 04 j 00:59 | 0°♌       |            |
|                     | -6991 Mar 26 j 17:03 | 0°♌       |            | greatest brilliancy | -6989 Sep 08 j 07:37 | 1°♌45'52  | -4.9m      |
| morning set         | -6991 Apr 05 j 15:30 | 12°♌09'33 |            | retrograde          | -6989 Sep 17 j 17:18 | 3°♌28'15  |            |
|                     | -6991 Apr 20 j 04:02 | 0°♌       |            |                     | -6989 Sep 30 j 17:56 | 30°♌      |            |
| max. Earth dist.    | -6991 May 06 j 19:23 | 20°♌32'49 | 1.72922 AU | evening set         | -6989 Oct 03 j 08:23 | 28°♌35'47 |            |
|                     |                      |           |            | inferior conj       | -6989 Oct 08 j 08:44 | 25°♌34'30 | -4°51'32   |
| superior conj       | -6991 May 11 j 03:19 | 25°♌54'41 | -0°03'46   | minimum elong       | -6989 Oct 08 j 18:03 | 25°♌20'05 | 4°48'43    |
| minimum elong       | -6991 May 11 j 04:03 | 25°♌56'57 | 0°03'49    | min. Earth dist.    | -6989 Oct 08 j 01:24 | 25°♌45'50 | 0.26620 AU |
| behind sun begin    | -6991 May 10 j 06:29 | 24°♌50'07 |            | morning rise        | -6989 Oct 14 j 04:02 | 22°♌07'58 |            |
| behind sun end      | -6991 May 12 j 01:37 | 27°♌03'47 |            | direct              | -6989 Oct 28 j 13:32 | 17°♌55'19 |            |
| asc. node           | -6991 May 12 j 17:47 | 27°♌53'52 |            | asc. node           | -6989 Oct 28 j 13:59 | 17°♌55'19 |            |
|                     | -6991 May 14 j 10:28 | 0°♌       |            | greatest brilliancy | -6989 Nov 07 j 09:13 | 19°♌46'23 | -4.9m      |
|                     | -6991 Jun 07 j 13:08 | 0°♌       |            |                     | -6989 Nov 24 j 22:05 | 0°♌       |            |
| evening rise        | -6991 Jun 16 j 01:22 | 10°♌37'18 |            | morning max el      | -6989 Dec 17 j 10:58 | 20°♌05'57 | 46°20'27   |
|                     | -6991 Jul 01 j 13:25 | 0°♌       |            |                     | -6989 Dec 27 j 04:57 | 0°♌       |            |
|                     | -6991 Jul 25 j 13:11 | 0°♌       |            |                     | -6988 Jan 23 j 21:02 | 0°♌       |            |
|                     | -6991 Aug 18 j 14:43 | 0°♌       |            | desc. node          | -6988 Feb 17 j 23:59 | 28°♌33'47 |            |
| desc. node          | -6991 Sep 01 j 23:11 | 17°♌48'02 |            |                     | -6988 Feb 19 j 05:53 | 0°♌       |            |
|                     | -6991 Sep 11 j 20:21 | 0°♌       |            |                     | -6988 Mar 15 j 22:23 | 0°♌       |            |
|                     | -6991 Oct 06 j 08:49 | 0°♌       |            |                     | -6988 Apr 10 j 02:46 | 0°♌       |            |
|                     | -6991 Oct 31 j 09:08 | 0°♌       |            |                     | -6988 May 04 j 20:54 | 0°♌       |            |
|                     | -6991 Nov 26 j 09:54 | 0°♌       |            |                     | -6988 May 29 j 06:10 | 0°♌       |            |
| evening max el      | -6991 Dec 20 j 07:45 | 25°♌19'57 | 45°40'30   | asc. node           | -6988 Jun 09 j 06:49 | 13°♌41'42 |            |
| asc. node           | -6991 Dec 23 j 09:03 | 28°♌18'52 |            | morning set         | -6988 Jun 11 j 15:54 | 16°♌39'29 |            |
|                     | -6991 Dec 25 j 03:20 | 0°♌       |            |                     | -6988 Jun 22 j 08:13 | 0°♌       |            |
| greatest brilliancy | -6990 Jan 27 j 12:13 | 24°♌02'25 | -4.7m      |                     | -6988 Jul 16 j 05:11 | 0°♌       |            |
| retrograde          | -6990 Feb 07 j 08:18 | 26°♌11'39 |            | max. Earth dist.    | -6988 Jul 16 j 17:33 | 0°♌38'58  | 1.71165 AU |
| evening set         | -6990 Feb 24 j 21:35 | 20°♌20'01 |            |                     |                      |           |            |
| inferior conj       | -6990 Feb 28 j 20:23 | 17°♌52'16 | 7°41'23    | superior conj       | -6988 Jul 19 j 04:26 | 3°♌44'30  | 1°15'14    |
| minimum elong       | -6990 Mar 01 j 01:38 | 17°♌43'56 | 7°40'29    | minimum elong       | -6988 Jul 18 j 20:47 | 3°♌20'24  | 1°15'28    |
| min. Earth dist.    | -6990 Mar 01 j 09:20 | 17°♌31'42 | 0.29542 AU |                     | -6988 Aug 08 j 23:49 | 0°♌       |            |
| morning rise        | -6990 Mar 05 j 05:33 | 15°♌08'07 |            | evening rise        | -6988 Aug 27 j 22:08 | 23°♌52'12 |            |
| direct              | -6990 Mar 22 j 17:01 | 9°♌21'01  |            |                     | -6988 Sep 01 j 19:00 | 0°♌       |            |
| greatest brilliancy | -6990 Apr 02 j 01:01 | 11°♌15'04 | -4.7m      |                     | -6988 Sep 25 j 16:58 | 0°♌       |            |
| desc. node          | -6990 Apr 14 j 20:12 | 17°♌49'36 |            | desc. node          | -6988 Sep 29 j 11:48 | 4°♌43'49  |            |
|                     | -6990 Apr 30 j 14:34 | 0°♌       |            |                     | -6988 Oct 19 j 19:04 | 0°♌       |            |
| morning max el      | -6990 May 10 j 19:37 | 9°♌22'07  | 46°02'16   |                     | -6988 Nov 13 j 02:20 | 0°♌       |            |
|                     | -6990 May 30 j 23:50 | 0°♌       |            |                     | -6988 Dec 07 j 17:08 | 0°♌       |            |
|                     | -6990 Jun 26 j 17:39 | 0°♌       |            |                     | -6987 Jan 01 j 21:07 | 0°♌       |            |
|                     | -6990 Jul 21 j 23:29 | 0°♌       |            | asc. node           | -6987 Jan 19 j 20:08 | 20°♌43'48 |            |
| asc. node           | -6990 Aug 05 j 06:17 | 17°♌27'15 |            |                     | -6987 Jan 28 j 02:27 | 0°♌       |            |
|                     | -6990 Aug 15 j 09:41 | 0°♌       |            |                     | -6987 Feb 25 j 16:17 | 0°♌       |            |
|                     | -6990 Sep 08 j 09:28 | 0°♌       |            | evening max el      | -6987 Mar 01 j 09:32 | 3°♌34'25  | 45°00'16   |
|                     | -6990 Oct 02 j 05:37 | 0°♌       |            |                     | -6987 Apr 06 j 18:29 | 0°♌       |            |
|                     | -6990 Oct 26 j 02:57 | 0°♌       |            | greatest brilliancy | -6987 Apr 08 j 00:46 | 0°♌27'50  | -4.7m      |
| morning set         | -6990 Nov 12 j 02:57 | 21°♌14'03 |            | retrograde          | -6987 Apr 18 j 10:14 | 2°♌21'44  |            |
|                     | -6990 Nov 19 j 03:55 | 0°♌       |            |                     | -6987 Apr 29 j 12:22 | 30°♌      |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 84

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                       |            |                     |                      |                           |            |
|---------------------|----------------------|-----------------------|------------|---------------------|----------------------|---------------------------|------------|
| evening set         | -6987 May 03 j 06:48 | 28° $\text{H}$ 12'22  |            | max. Earth dist.    | -6985 Oct 10 j 06:40 | 28° $\Omega$ 55'54        | 1.71122 AU |
| inferior conj       | -6987 May 09 j 15:41 | 24° $\text{H}$ 30'23  | 0°36'56    |                     | -6985 Oct 11 j 03:06 | 0° $\text{M}$             |            |
| minimum elong       | -6987 May 09 j 17:03 | 24° $\text{H}$ 28'19  | 0°36'26    | desc. node          | -6985 Oct 28 j 00:45 | 21° $\text{M}$ 10'19      |            |
| min. Earth dist.    | -6987 May 10 j 12:09 | 23° $\text{H}$ 59'15  | 0.28225 AU |                     | -6985 Nov 04 j 02:31 | 0° $\Omega$               |            |
| desc. node          | -6987 May 12 j 06:54 | 22° $\text{H}$ 54'41  |            | evening rise        | -6985 Nov 16 j 09:19 | 15° $\Omega$ 17'11        |            |
| morning rise        | -6987 May 16 j 02:27 | 20° $\text{H}$ 44'05  |            |                     | -6985 Nov 28 j 05:58 | 0° $\text{M}$             |            |
| direct              | -6987 May 31 j 06:53 | 16° $\text{H}$ 22'25  |            |                     | -6985 Dec 22 j 13:26 | 0° $\text{H}$             |            |
| greatest brilliancy | -6987 Jun 11 j 15:58 | 18° $\text{H}$ 42'41  | -4.8m      |                     | -6984 Jan 16 j 01:51 | 0° $\Omega$               |            |
|                     | -6987 Jun 30 j 04:55 | 0° $\text{Y}$         |            |                     | -6984 Feb 09 j 21:54 | 0° $\approx$              |            |
| morning max el      | -6987 Jul 20 j 08:51 | 18° $\text{Y}$ 12'06  | 46°34'23   | asc. node           | -6984 Feb 17 j 07:53 | 8° $\approx$ 51'17        |            |
|                     | -6987 Jul 31 j 18:17 | 0° $\text{B}$         |            |                     | -6984 Mar 06 j 06:05 | 0° $\text{H}$             |            |
|                     | -6987 Aug 27 j 09:07 | 0° $\text{II}$        |            |                     | -6984 Apr 01 j 09:47 | 0° $\text{Y}$             |            |
| asc. node           | -6987 Sep 01 j 18:19 | 6° $\text{II}$ 20'36  |            |                     | -6984 Apr 29 j 01:55 | 0° $\text{B}$             |            |
|                     | -6987 Sep 21 j 10:11 | 0° $\Omega$           |            | evening max el      | -6984 May 12 j 14:07 | 13° $\text{B}$ 31'24      | 45°59'12   |
|                     | -6987 Oct 15 j 20:22 | 0° $\Omega$           |            |                     | -6984 May 31 j 06:33 | 0° $\text{II}$            |            |
|                     | -6987 Nov 09 j 02:41 | 0° $\text{M}$         |            | desc. node          | -6984 Jun 08 j 17:27 | 6° $\text{II}$ 03'32      |            |
|                     | -6987 Dec 03 j 10:23 | 0° $\Omega$           |            | greatest brilliancy | -6984 Jun 21 j 15:53 | 12° $\text{II}$ 33'24     | -4.8m      |
| desc. node          | -6987 Dec 23 j 00:57 | 24° $\Omega$ 05'11    |            | retrograde          | -6984 Jul 01 j 02:46 | 14° $\text{II}$ 11'27     |            |
|                     | -6987 Dec 27 j 20:45 | 0° $\text{M}$         |            | evening set         | -6984 Jul 18 j 00:56 | 8° $\text{II}$ 52'08      |            |
|                     | -6986 Jan 21 j 08:44 | 0° $\text{H}$         |            | inferior conj       | -6984 Jul 21 j 23:12 | 6° $\text{II}$ 33'23      | -8°18'16   |
| morning set         | -6986 Jan 25 j 12:07 | 5° $\text{H}$ 04'03   |            | minimum elong       | -6984 Jul 21 j 15:42 | 6° $\text{II}$ 44'38      | 8°17'00    |
|                     | -6986 Feb 14 j 20:45 | 0° $\Omega$           |            | min. Earth dist.    | -6984 Jul 21 j 23:51 | 6° $\text{II}$ 32'24      | 0.26895 AU |
| max. Earth dist.    | -6986 Mar 02 j 06:13 | 18° $\Omega$ 52'22    | 1.73770 AU | morning rise        | -6984 Jul 25 j 06:18 | 4° $\text{II}$ 35'55      |            |
|                     |                      |                       |            |                     | -6984 Aug 04 j 05:59 | 30° $\text{R}$ $\text{B}$ |            |
| superior conj       | -6986 Mar 03 j 13:50 | 20° $\Omega$ 29'21    | -1°15'48   | direct              | -6984 Aug 11 j 13:56 | 28° $\text{B}$ 54'31      |            |
| minimum elong       | -6986 Mar 03 j 19:48 | 20° $\Omega$ 47'38    | 1°16'09    |                     | -6984 Aug 19 j 03:13 | 0° $\text{II}$            |            |
|                     | -6986 Mar 11 j 07:47 | 0° $\approx$          |            | greatest brilliancy | -6984 Aug 22 j 07:49 | 1° $\text{II}$ 03'50      | -4.9m      |
|                     | -6986 Apr 04 j 17:40 | 0° $\text{H}$         |            |                     | -6984 Sep 28 j 23:49 | 0° $\Omega$               |            |
| evening rise        | -6986 Apr 08 j 07:44 | 4° $\text{H}$ 24'42   |            | asc. node           | -6984 Sep 29 j 05:25 | 0° $\Omega$ 14'08         |            |
| asc. node           | -6986 Apr 14 j 06:45 | 11° $\text{H}$ 44'42  |            | morning max el      | -6984 Oct 01 j 07:25 | 2° $\Omega$ 21'17         | 46°47'52   |
|                     | -6986 Apr 29 j 02:44 | 0° $\text{Y}$         |            |                     | -6984 Oct 26 j 16:09 | 0° $\Omega$               |            |
|                     | -6986 May 23 j 11:34 | 0° $\text{B}$         |            |                     | -6984 Nov 21 j 10:57 | 0° $\text{M}$             |            |
|                     | -6986 Jun 16 j 21:16 | 0° $\text{II}$        |            |                     | -6984 Dec 16 j 16:15 | 0° $\Omega$               |            |
|                     | -6986 Jul 11 j 09:51 | 0° $\Omega$           |            |                     | -6983 Jan 10 j 17:32 | 0° $\text{M}$             |            |
| desc. node          | -6986 Aug 04 j 13:23 | 29° $\Omega$ 13'32    |            | desc. node          | -6983 Jan 19 j 13:52 | 10° $\text{M}$ 37'05      |            |
|                     | -6986 Aug 05 j 04:51 | 0° $\Omega$           |            |                     | -6983 Feb 04 j 16:34 | 0° $\text{H}$             |            |
|                     | -6986 Aug 30 j 12:40 | 0° $\text{M}$         |            |                     | -6983 Mar 01 j 12:27 | 0° $\Omega$               |            |
|                     | -6986 Sep 26 j 00:39 | 0° $\Omega$           |            |                     | -6983 Mar 26 j 04:01 | 0° $\approx$              |            |
| evening max el      | -6986 Oct 08 j 11:35 | 13° $\Omega$ 10'48    | 47°17'35   | morning set         | -6983 Apr 03 j 10:41 | 10° $\approx$ 07'46       |            |
|                     | -6986 Oct 26 j 04:58 | 0° $\text{M}$         |            |                     | -6983 Apr 19 j 14:54 | 0° $\text{H}$             |            |
| greatest brilliancy | -6986 Nov 17 j 12:16 | 14° $\text{M}$ 45'33  | -4.9m      | max. Earth dist.    | -6983 May 04 j 17:03 | 18° $\text{H}$ 37'41      | 1.72976 AU |
| asc. node           | -6986 Nov 25 j 00:34 | 16° $\text{M}$ 48'14  |            |                     |                      |                           |            |
| retrograde          | -6986 Nov 28 j 10:50 | 17° $\text{M}$ 02'28  |            | superior conj       | -6983 May 08 j 22:05 | 23° $\text{H}$ 50'24      | -0°06'48   |
| evening set         | -6986 Dec 13 j 22:12 | 12° $\text{M}$ 10'38  |            | minimum elong       | -6983 May 08 j 23:25 | 23° $\text{H}$ 54'32      | 0°06'51    |
| min. Earth dist.    | -6986 Dec 18 j 13:42 | 9° $\text{M}$ 17'44   | 0.28338 AU | behind sun begin    | -6983 May 08 j 03:18 | 22° $\text{H}$ 52'15      |            |
| inferior conj       | -6986 Dec 19 j 12:58 | 8° $\text{M}$ 40'18   | 5°23'22    | behind sun end      | -6983 May 09 j 19:32 | 24° $\text{H}$ 56'50      |            |
| minimum elong       | -6986 Dec 19 j 04:14 | 8° $\text{M}$ 54'21   | 5°21'10    | asc. node           | -6983 May 11 j 19:49 | 27° $\text{H}$ 26'26      |            |
| morning rise        | -6986 Dec 24 j 11:06 | 5° $\text{M}$ 36'13   |            |                     | -6983 May 13 j 21:21 | 0° $\text{Y}$             |            |
| direct              | -6985 Jan 09 j 14:29 | 0° $\text{M}$ 30'01   |            |                     | -6983 Jun 07 j 00:09 | 0° $\text{B}$             |            |
| greatest brilliancy | -6985 Jan 18 j 07:32 | 1° $\text{M}$ 54'46   | -4.8m      | evening rise        | -6983 Jun 13 j 18:49 | 8° $\text{B}$ 27'27       |            |
|                     | -6985 Feb 26 j 23:20 | 0° $\text{H}$         |            |                     | -6983 Jul 01 j 00:37 | 0° $\text{II}$            |            |
| morning max el      | -6985 Feb 27 j 07:43 | 0° $\text{H}$ 19'53   | 45°54'07   |                     | -6983 Jul 25 j 00:39 | 0° $\Omega$               |            |
| desc. node          | -6985 Mar 17 j 11:29 | 18° $\text{H}$ 30'41  |            |                     | -6983 Aug 18 j 02:30 | 0° $\Omega$               |            |
|                     | -6985 Mar 28 j 06:20 | 0° $\Omega$           |            | desc. node          | -6983 Sep 01 j 01:20 | 17° $\Omega$ 17'28        |            |
|                     | -6985 Apr 24 j 02:15 | 0° $\approx$          |            |                     | -6983 Sep 11 j 08:33 | 0° $\text{M}$             |            |
|                     | -6985 May 19 j 17:29 | 0° $\text{H}$         |            |                     | -6983 Oct 05 j 21:36 | 0° $\Omega$               |            |
|                     | -6985 Jun 13 j 14:11 | 0° $\text{Y}$         |            |                     | -6983 Oct 30 j 22:58 | 0° $\text{M}$             |            |
| asc. node           | -6985 Jul 07 j 19:50 | 29° $\text{Y}$ 54'14  |            |                     | -6983 Nov 26 j 02:03 | 0° $\text{H}$             |            |
|                     | -6985 Jul 07 j 21:42 | 0° $\text{B}$         |            | evening max el      | -6983 Dec 17 j 23:20 | 23° $\text{H}$ 07'05      | 45°43'33   |
|                     | -6985 Jul 31 j 20:17 | 0° $\text{II}$        |            | asc. node           | -6983 Dec 22 j 11:20 | 27° $\text{H}$ 29'33      |            |
| greatest brilliancy | -6985 Aug 04 j 10:45 | 4° $\text{II}$ 32'27  | -3.9m      |                     | -6983 Dec 25 j 03:14 | 0° $\Omega$               |            |
| morning set         | -6985 Aug 24 j 03:28 | 29° $\text{II}$ 25'58 |            | greatest brilliancy | -6982 Jan 25 j 04:08 | 21° $\Omega$ 55'04        | -4.7m      |
|                     | -6985 Aug 24 j 14:13 | 0° $\Omega$           |            | retrograde          | -6982 Feb 05 j 02:06 | 24° $\Omega$ 06'16        |            |
|                     | -6985 Sep 17 j 07:29 | 0° $\Omega$           |            | evening set         | -6982 Feb 22 j 16:07 | 18° $\Omega$ 11'49        |            |
|                     |                      |                       |            | inferior conj       | -6982 Feb 26 j 13:42 | 15° $\Omega$ 45'51        | 7°46'52    |
| superior conj       | -6985 Oct 04 j 09:50 | 21° $\Omega$ 33'22    | 0°50'42    | minimum elong       | -6982 Feb 26 j 18:24 | 15° $\Omega$ 38'24        | 7°46'03    |
| minimum elong       | -6985 Oct 04 j 21:13 | 22° $\Omega$ 09'11    | 0°50'36    | min. Earth dist.    | -6982 Feb 27 j 01:09 | 15° $\Omega$ 27'40        | 0.29554 AU |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                               |            |                     |                      |                                     |            |
|---------------------|----------------------|-------------------------------|------------|---------------------|----------------------|-------------------------------------|------------|
| morning rise        | -6982 Mar 02 j 20:35 | 13° $\text{Z}$ 05'14          |            | evening rise        | -6980 Aug 25 j 07:44 | 21° $\text{G}$ 16'04                |            |
| direct              | -6982 Mar 20 j 10:13 | 7° $\text{Z}$ 14'23           |            |                     | -6980 Sep 01 j 06:12 | 0° $\Omega$                         |            |
| greatest brilliancy | -6982 Mar 30 j 16:29 | 9° $\text{Z}$ 07'24           | -4.7m      |                     | -6980 Sep 25 j 04:17 | 0° $\text{M}$                       |            |
| desc. node          | -6982 Apr 13 j 22:19 | 16° $\text{Z}$ 37'57          |            | desc. node          | -6980 Sep 28 j 13:50 | 4° $\text{M}$ 14'43                 |            |
|                     | -6982 Apr 30 j 17:11 | 0° $\approx$                  |            |                     | -6980 Oct 19 j 06:32 | 0° $\underline{\Omega}$             |            |
| morning max el      | -6982 May 08 j 12:58 | 7° $\approx$ 15'27            | 46°01'22   |                     | -6980 Nov 12 j 14:02 | 0° $\text{M}$                       |            |
|                     | -6982 May 30 j 16:36 | 0° $\text{X}$                 |            |                     | -6980 Dec 07 j 05:18 | 0° $\text{X}$                       |            |
|                     | -6982 Jun 26 j 07:34 | 0° $\text{Y}$                 |            |                     | -6979 Jan 01 j 10:14 | 0° $\text{Z}$                       |            |
|                     | -6982 Jul 21 j 12:09 | 0° $\text{X}$                 |            | asc. node           | -6979 Jan 18 j 22:24 | 20° $\text{Z}$ 09'33                |            |
| asc. node           | -6982 Aug 04 j 08:32 | 16° $\text{X}$ 56'32          |            |                     | -6979 Jan 27 j 17:43 | 0° $\approx$                        |            |
|                     | -6982 Aug 14 j 21:42 | 0° $\text{II}$                |            |                     | -6979 Feb 25 j 13:53 | 0° $\text{X}$                       |            |
|                     | -6982 Sep 07 j 21:06 | 0° $\text{G}$                 |            | evening max el      | -6979 Feb 27 j 00:49 | 1° $\text{X}$ 23'18                 | 44°59'58   |
|                     | -6982 Oct 01 j 17:02 | 0° $\Omega$                   |            | greatest brilliancy | -6979 Apr 05 j 15:57 | 28° $\text{X}$ 17'08                | -4.7m      |
|                     | -6982 Oct 25 j 14:14 | 0° $\text{M}$                 |            |                     | -6979 Apr 12 j 23:12 | 0° $\text{Y}$                       |            |
| morning set         | -6982 Nov 09 j 12:57 | 18° $\text{M}$ 40'45          |            | retrograde          | -6979 Apr 16 j 00:31 | 0° $\text{Y}$ 10'23                 |            |
|                     | -6982 Nov 18 j 15:05 | 0° $\underline{\Omega}$       |            |                     | -6979 Apr 19 j 00:46 | 30° $\text{R}$ $\text{X}$           |            |
| desc. node          | -6982 Nov 24 j 13:54 | 7° $\underline{\Omega}$ 23'48 |            | evening set         | -6979 Apr 30 j 23:03 | 25° $\text{X}$ 59'17                |            |
|                     | -6982 Dec 12 j 19:42 | 0° $\text{M}$                 |            | inferior conj       | -6979 May 07 j 06:51 | 22° $\text{X}$ 18'21                | 0°57'06    |
|                     |                      |                               |            | minimum elong       | -6979 May 07 j 08:57 | 22° $\text{X}$ 15'09                | 0°56'24    |
| superior conj       | -6982 Dec 21 j 03:39 | 10° $\text{M}$ 17'48          | -0°55'22   | min. Earth dist.    | -6979 May 08 j 04:06 | 21° $\text{X}$ 45'54                | 0.28284 AU |
| minimum elong       | -6982 Dec 20 j 17:23 | 9° $\text{M}$ 46'05           | 0°55'16    | desc. node          | -6979 May 11 j 09:00 | 19° $\text{X}$ 50'43                |            |
| max. Earth dist.    | -6982 Dec 24 j 06:00 | 14° $\text{M}$ 07'17          | 1.72870 AU | morning rise        | -6979 May 13 j 17:57 | 18° $\text{X}$ 30'53                |            |
|                     | -6981 Jan 06 j 03:07 | 0° $\text{X}$                 |            | direct              | -6979 May 28 j 22:31 | 14° $\text{X}$ 09'16                |            |
| evening rise        | -6981 Jan 28 j 19:21 | 27° $\text{X}$ 53'39          |            | greatest brilliancy | -6979 Jun 09 j 07:38 | 16° $\text{X}$ 28'55                | -4.8m      |
|                     | -6981 Jan 30 j 12:30 | 0° $\text{Z}$                 |            |                     | -6979 Jun 30 j 15:41 | 0° $\text{Y}$                       |            |
| greatest brilliancy | -6981 Feb 18 j 11:29 | 23° $\text{Z}$ 14'31          | -3.9m      | morning max el      | -6979 Jul 17 j 22:37 | 15° $\text{Y}$ 51'16                | 46°33'10   |
|                     | -6981 Feb 24 j 00:06 | 0° $\approx$                  |            |                     | -6979 Jul 31 j 12:53 | 0° $\text{X}$                       |            |
| asc. node           | -6981 Mar 16 j 20:07 | 25° $\approx$ 24'04           |            |                     | -6979 Aug 26 j 23:59 | 0° $\text{II}$                      |            |
|                     | -6981 Mar 20 j 14:56 | 0° $\text{X}$                 |            | asc. node           | -6979 Aug 31 j 20:25 | 5° $\text{II}$ 43'58                |            |
|                     | -6981 Apr 14 j 10:26 | 0° $\text{Y}$                 |            |                     | -6979 Sep 20 j 23:29 | 0° $\text{G}$                       |            |
|                     | -6981 May 09 j 12:22 | 0° $\text{X}$                 |            |                     | -6979 Oct 15 j 08:50 | 0° $\Omega$                         |            |
|                     | -6981 Jun 04 j 00:19 | 0° $\text{II}$                |            |                     | -6979 Nov 08 j 14:36 | 0° $\text{M}$                       |            |
|                     | -6981 Jun 30 j 07:33 | 0° $\text{G}$                 |            |                     | -6979 Dec 02 j 21:53 | 0° $\underline{\Omega}$             |            |
| desc. node          | -6981 Jul 07 j 04:15 | 7° $\text{G}$ 33'46           |            | desc. node          | -6979 Dec 22 j 03:12 | 23° $\underline{\Omega}$ 37'36      |            |
| evening max el      | -6981 Jul 26 j 10:47 | 27° $\text{G}$ 49'39          | 47°31'49   |                     | -6979 Dec 27 j 07:56 | 0° $\text{M}$                       |            |
|                     | -6981 Jul 28 j 15:16 | 0° $\Omega$                   |            |                     | -6978 Jan 20 j 19:41 | 0° $\text{X}$                       |            |
| greatest brilliancy | -6981 Sep 05 j 20:47 | 29° $\Omega$ 16'48            | -4.9m      | morning set         | -6978 Jan 23 j 03:35 | 2° $\text{X}$ 51'05                 |            |
|                     | -6981 Sep 08 j 04:49 | 0° $\text{M}$                 |            |                     | -6978 Feb 14 j 07:33 | 0° $\text{Z}$                       |            |
| retrograde          | -6981 Sep 15 j 06:41 | 0° $\text{M}$ 58'54           |            | max. Earth dist.    | -6978 Feb 28 j 02:49 | 16° $\text{Z}$ 55'22                | 1.73765 AU |
|                     | -6981 Sep 22 j 02:56 | 30° $\text{R}$ $\Omega$       |            |                     |                      |                                     |            |
| evening set         | -6981 Oct 01 j 00:04 | 26° $\Omega$ 02'42            |            | superior conj       | -6978 Mar 01 j 08:23 | 18° $\text{Z}$ 26'04                | -1°16'55   |
| inferior conj       | -6981 Oct 05 j 21:22 | 23° $\Omega$ 05'53            | -5°11'37   | minimum elong       | -6978 Mar 01 j 13:55 | 18° $\text{Z}$ 43'00                | 1°17'17    |
| minimum elong       | -6981 Oct 06 j 07:06 | 22° $\Omega$ 50'53            | 5°08'45    |                     | -6978 Mar 10 j 18:31 | 0° $\approx$                        |            |
| min. Earth dist.    | -6981 Oct 05 j 14:25 | 23° $\Omega$ 16'38            | 0.26599 AU |                     | -6978 Apr 04 j 04:27 | 0° $\text{X}$                       |            |
| morning rise        | -6981 Oct 11 j 14:28 | 19° $\Omega$ 42'54            |            | evening rise        | -6978 Apr 06 j 03:19 | 2° $\text{X}$ 24'04                 |            |
| direct              | -6981 Oct 26 j 02:42 | 15° $\Omega$ 27'32            |            | asc. node           | -6978 Apr 13 j 08:51 | 11° $\text{X}$ 17'48                |            |
| asc. node           | -6981 Oct 27 j 16:07 | 15° $\Omega$ 30'32            |            |                     | -6978 Apr 28 j 13:42 | 0° $\text{Y}$                       |            |
| greatest brilliancy | -6981 Nov 04 j 22:09 | 17° $\Omega$ 18'55            | -4.9m      |                     | -6978 May 22 j 22:51 | 0° $\text{X}$                       |            |
|                     | -6981 Nov 25 j 13:29 | 0° $\text{M}$                 |            |                     | -6978 Jun 16 j 09:02 | 0° $\text{II}$                      |            |
| morning max el      | -6981 Dec 15 j 01:41 | 17° $\text{M}$ 46'27          | 46°21'35   |                     | -6978 Jul 10 j 22:20 | 0° $\text{G}$                       |            |
|                     | -6981 Dec 27 j 00:36 | 0° $\underline{\Omega}$       |            | desc. node          | -6978 Aug 03 j 15:29 | 28° $\text{G}$ 39'33                |            |
|                     | -6980 Jan 23 j 12:09 | 0° $\text{M}$                 |            |                     | -6978 Aug 04 j 18:20 | 0° $\Omega$                         |            |
| desc. node          | -6980 Feb 17 j 02:03 | 28° $\text{M}$ 01'44          |            |                     | -6978 Aug 30 j 03:48 | 0° $\text{M}$                       |            |
|                     | -6980 Feb 18 j 18:58 | 0° $\text{X}$                 |            |                     | -6978 Sep 25 j 19:25 | 0° $\underline{\Omega}$             |            |
|                     | -6980 Mar 15 j 10:23 | 0° $\text{Z}$                 |            | evening max el      | -6978 Oct 06 j 02:25 | 10° $\underline{\Omega}$ 50'02      | 47°20'08   |
|                     | -6980 Apr 09 j 14:09 | 0° $\approx$                  |            |                     | -6978 Oct 26 j 14:21 | 0° $\text{M}$                       |            |
|                     | -6980 May 04 j 07:57 | 0° $\text{X}$                 |            | greatest brilliancy | -6978 Nov 15 j 06:11 | 12° $\text{M}$ 31'15                | -4.9m      |
|                     | -6980 May 28 j 17:05 | 0° $\text{Y}$                 |            | asc. node           | -6978 Nov 24 j 02:50 | 14° $\text{M}$ 41'48                |            |
| asc. node           | -6980 Jun 08 j 09:02 | 13° $\text{Y}$ 14'44          |            | retrograde          | -6978 Nov 26 j 02:45 | 14° $\text{M}$ 46'41                |            |
| morning set         | -6980 Jun 09 j 08:59 | 14° $\text{Y}$ 29'17          |            | evening set         | -6978 Dec 11 j 12:17 | 9° $\text{M}$ 58'24                 |            |
|                     | -6980 Jun 21 j 19:07 | 0° $\text{X}$                 |            | min. Earth dist.    | -6978 Dec 16 j 05:46 | 7° $\text{M}$ 02'49                 | 0.28260 AU |
| max. Earth dist.    | -6980 Jul 13 j 23:45 | 27° $\text{X}$ 52'47          | 1.71216 AU | inferior conj       | -6978 Dec 17 j 05:00 | 6° $\text{M}$ 25'27                 | 5°08'17    |
|                     | -6980 Jul 15 j 16:09 | 0° $\text{II}$                |            | minimum elong       | -6978 Dec 16 j 20:25 | 6° $\text{M}$ 39'17                 | 5°06'03    |
|                     |                      |                               |            | morning rise        | -6978 Dec 22 j 05:19 | 3° $\text{M}$ 18'03                 |            |
| superior conj       | -6980 Jul 16 j 18:48 | 1° $\text{II}$ 23'58          | 1°13'39    |                     | -6978 Dec 28 j 23:37 | 30° $\text{R}$ $\underline{\Omega}$ |            |
| minimum elong       | -6980 Jul 16 j 10:46 | 0° $\text{II}$ 58'37          | 1°13'51    | direct              | -6977 Jan 07 j 05:07 | 28° $\underline{\Omega}$ 16'24      |            |
|                     | -6980 Aug 08 j 10:54 | 0° $\text{G}$                 |            | greatest brilliancy | -6977 Jan 15 j 23:12 | 29° $\underline{\Omega}$ 41'42      | -4.8m      |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -6977 Jan 16 j 21:34 | 0°♄       |            | evening rise        | -6975 Jun 11 j 12:36 | 6°♄18'38  |            |
| morning max el      | -6977 Feb 24 j 22:04 | 28°♄05'58 | 45°54'33   |                     | -6975 Jun 30 j 11:51 | 0°♄       |            |
|                     | -6977 Feb 26 j 21:44 | 0°♄       |            |                     | -6975 Jul 24 j 12:07 | 0°♄       |            |
| desc. node          | -6977 Mar 16 j 13:35 | 17°♄50'39 |            |                     | -6975 Aug 17 j 14:17 | 0°♄       |            |
|                     | -6977 Mar 27 j 22:02 | 0°♄       |            | desc. node          | -6975 Aug 31 j 03:24 | 16°♄46'43 |            |
|                     | -6977 Apr 23 j 15:33 | 0°♄       |            |                     | -6975 Sep 10 j 20:46 | 0°♄       |            |
|                     | -6977 May 19 j 05:39 | 0°♄       |            |                     | -6975 Oct 05 j 10:28 | 0°♄       |            |
|                     | -6977 Jun 13 j 01:45 | 0°♄       |            |                     | -6975 Oct 30 j 12:58 | 0°♄       |            |
| asc. node           | -6977 Jul 06 j 22:06 | 29°♄26'12 |            |                     | -6975 Nov 25 j 18:38 | 0°♄       |            |
|                     | -6977 Jul 07 j 08:57 | 0°♄       |            | evening max el      | -6975 Dec 15 j 15:47 | 20°♄55'46 | 45°46'34   |
|                     | -6977 Jul 31 j 07:26 | 0°♄       |            | asc. node           | -6975 Dec 21 j 13:37 | 26°♄38'50 |            |
| greatest brilliancy | -6977 Aug 04 j 06:26 | 4°♄59'23  | -3.9m      |                     | -6975 Dec 25 j 04:35 | 0°♄       |            |
| morning set         | -6977 Aug 21 j 14:59 | 26°♄55'18 |            | greatest brilliancy | -6974 Jan 22 j 20:24 | 19°♄47'25 | -4.7m      |
|                     | -6977 Aug 24 j 01:21 | 0°♄       |            | retrograde          | -6974 Feb 02 j 20:02 | 22°♄00'00 |            |
|                     | -6977 Sep 16 j 18:39 | 0°♄       |            | evening set         | -6974 Feb 20 j 10:32 | 16°♄03'16 |            |
|                     |                      |           |            | inferior conj       | -6974 Feb 24 j 06:59 | 13°♄38'42 | 7°51'46    |
| superior conj       | -6977 Oct 01 j 18:28 | 18°♄54'25 | 0°53'50    | minimum elong       | -6974 Feb 24 j 11:08 | 13°♄32'07 | 7°51'01    |
| minimum elong       | -6977 Oct 02 j 06:07 | 19°♄31'03 | 0°53'45    | min. Earth dist.    | -6974 Feb 24 j 16:41 | 13°♄23'19 | 0.29559 AU |
| max. Earth dist.    | -6977 Oct 07 j 07:55 | 25°♄53'58 | 1.71078 AU | morning rise        | -6974 Feb 28 j 11:43 | 11°♄01'24 |            |
|                     | -6977 Oct 10 j 14:16 | 0°♄       |            | direct              | -6974 Mar 18 j 03:45 | 5°♄07'21  |            |
| desc. node          | -6977 Oct 27 j 02:52 | 20°♄41'59 |            | greatest brilliancy | -6974 Mar 28 j 07:13 | 6°♄58'29  | -4.7m      |
|                     | -6977 Nov 03 j 13:42 | 0°♄       |            | desc. node          | -6974 Apr 13 j 00:30 | 15°♄28'03 |            |
| evening rise        | -6977 Nov 13 j 18:51 | 12°♄42'54 |            |                     | -6974 Apr 30 j 18:34 | 0°♄       |            |
|                     | -6977 Nov 27 j 17:10 | 0°♄       |            | morning max el      | -6974 May 06 j 06:14 | 5°♄08'27  | 46°00'27   |
|                     | -6977 Dec 22 j 00:42 | 0°♄       |            |                     | -6974 May 30 j 09:10 | 0°♄       |            |
|                     | -6976 Jan 15 j 13:20 | 0°♄       |            |                     | -6974 Jun 25 j 21:28 | 0°♄       |            |
|                     | -6976 Feb 09 j 09:51 | 0°♄       |            |                     | -6974 Jul 21 j 00:52 | 0°♄       |            |
| asc. node           | -6976 Feb 16 j 09:58 | 8°♄21'14  |            | asc. node           | -6974 Aug 03 j 10:32 | 16°♄24'46 |            |
|                     | -6976 Mar 05 j 19:02 | 0°♄       |            |                     | -6974 Aug 14 j 09:48 | 0°♄       |            |
|                     | -6976 Apr 01 j 00:44 | 0°♄       |            |                     | -6974 Sep 07 j 08:51 | 0°♄       |            |
|                     | -6976 Apr 28 j 21:32 | 0°♄       |            |                     | -6974 Oct 01 j 04:34 | 0°♄       |            |
| evening max el      | -6976 May 10 j 02:54 | 11°♄09'32 | 45°56'03   |                     | -6974 Oct 25 j 01:37 | 0°♄       |            |
|                     | -6976 May 31 j 22:55 | 0°♄       |            | morning set         | -6974 Nov 06 j 23:20 | 16°♄08'09 |            |
| desc. node          | -6976 Jun 07 j 19:48 | 4°♄38'51  |            |                     | -6974 Nov 18 j 02:21 | 0°♄       |            |
| greatest brilliancy | -6976 Jun 19 j 02:36 | 10°♄06'35 | -4.8m      | desc. node          | -6974 Nov 23 j 16:06 | 6°♄55'46  |            |
| retrograde          | -6976 Jun 28 j 15:05 | 11°♄46'05 |            |                     | -6974 Dec 12 j 06:52 | 0°♄       |            |
| evening set         | -6976 Jul 15 j 08:59 | 6°♄32'18  |            |                     |                      |           |            |
| inferior conj       | -6976 Jul 19 j 11:35 | 4°♄07'44  | -8°08'38   | superior conj       | -6974 Dec 18 j 16:24 | 7°♄54'31  | -0°52'42   |
| minimum elong       | -6976 Jul 19 j 03:26 | 4°♄19'55  | 8°07'12    | minimum elong       | -6974 Dec 18 j 06:11 | 7°♄22'57  | 0°52'34    |
| min. Earth dist.    | -6976 Jul 19 j 12:22 | 4°♄06'34  | 0.26926 AU | max. Earth dist.    | -6974 Dec 21 j 23:50 | 11°♄59'48 | 1.72820 AU |
| morning rise        | -6976 Jul 22 j 21:42 | 2°♄06'11  |            |                     | -6973 Jan 05 j 14:12 | 0°♄       |            |
|                     | -6976 Jul 26 j 18:37 | 30°♄      |            | evening rise        | -6973 Jan 26 j 11:50 | 25°♄42'52 |            |
| direct              | -6976 Aug 09 j 03:01 | 26°♄28'02 |            |                     | -6973 Jan 29 j 23:36 | 0°♄       |            |
| greatest brilliancy | -6976 Aug 19 j 21:51 | 28°♄38'30 | -4.9m      | greatest brilliancy | -6973 Feb 18 j 08:33 | 23°♄44'43 | -3.9m      |
|                     | -6976 Aug 23 j 01:24 | 0°♄       |            |                     | -6973 Feb 23 j 11:18 | 0°♄       |            |
| asc. node           | -6976 Sep 28 j 07:38 | 29°♄20'35 |            | asc. node           | -6973 Mar 15 j 22:14 | 24°♄55'41 |            |
|                     | -6976 Sep 28 j 23:03 | 0°♄       |            |                     | -6973 Mar 20 j 02:28 | 0°♄       |            |
| morning max el      | -6976 Sep 28 j 21:03 | 29°♄54'52 | 46°48'09   |                     | -6973 Apr 13 j 22:31 | 0°♄       |            |
|                     | -6976 Oct 26 j 08:50 | 0°♄       |            |                     | -6973 May 09 j 01:22 | 0°♄       |            |
|                     | -6976 Nov 21 j 01:11 | 0°♄       |            |                     | -6973 Jun 03 j 14:51 | 0°♄       |            |
|                     | -6976 Dec 16 j 05:13 | 0°♄       |            |                     | -6973 Jun 30 j 01:00 | 0°♄       |            |
|                     | -6975 Jan 10 j 05:42 | 0°♄       |            | desc. node          | -6973 Jul 06 j 06:23 | 6°♄48'56  |            |
| desc. node          | -6975 Jan 18 j 15:56 | 10°♄07'29 |            | evening max el      | -6973 Jul 24 j 01:40 | 25°♄27'19 | 47°29'45   |
|                     | -6975 Feb 04 j 04:10 | 0°♄       |            |                     | -6973 Jul 28 j 16:32 | 0°♄       |            |
|                     | -6975 Feb 28 j 23:38 | 0°♄       |            | greatest brilliancy | -6973 Sep 03 j 10:16 | 26°♄47'34 | -4.9m      |
|                     | -6975 Mar 25 j 14:58 | 0°♄       |            | retrograde          | -6973 Sep 12 j 19:50 | 28°♄28'47 |            |
| morning set         | -6975 Apr 01 j 05:49 | 8°♄05'52  |            | evening set         | -6973 Sep 28 j 15:55 | 23°♄29'06 |            |
|                     | -6975 Apr 19 j 01:46 | 0°♄       |            | inferior conj       | -6973 Oct 03 j 10:03 | 20°♄36'47 | -5°31'07   |
| max. Earth dist.    | -6975 May 02 j 15:12 | 16°♄44'03 | 1.73028 AU | minimum elong       | -6973 Oct 03 j 20:06 | 20°♄21'16 | 5°28'13    |
|                     |                      |           |            | min. Earth dist.    | -6973 Oct 03 j 03:34 | 20°♄46'46 | 0.26576 AU |
| superior conj       | -6975 May 06 j 16:58 | 21°♄46'33 | -0°09'49   | morning rise        | -6973 Oct 09 j 00:38 | 17°♄17'28 |            |
| minimum elong       | -6975 May 06 j 18:53 | 21°♄52'28 | 0°09'51    | direct              | -6973 Oct 23 j 15:48 | 12°♄59'25 |            |
| behind sun begin    | -6975 May 06 j 01:24 | 20°♄58'21 |            | asc. node           | -6973 Oct 26 j 18:22 | 13°♄11'11 |            |
| behind sun end      | -6975 May 07 j 12:22 | 22°♄46'35 |            | greatest brilliancy | -6973 Nov 02 j 11:05 | 14°♄50'50 | -4.9m      |
| asc. node           | -6975 May 10 j 22:01 | 26°♄59'30 |            |                     | -6973 Nov 26 j 01:12 | 0°♄       |            |
|                     | -6975 May 13 j 08:15 | 0°♄       |            | morning max el      | -6973 Dec 12 j 15:24 | 15°♄23'47 | 46°22'44   |
|                     | -6975 Jun 06 j 11:11 | 0°♄       |            |                     | -6973 Dec 26 j 19:53 | 0°♄       |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -6972 Jan 23 j 03:16 | 0°♍       |            |                     | -6970 Sep 25 j 14:58 | 0°♊       |            |
| desc. node          | -6972 Feb 16 j 04:08 | 27°♍29'06 |            | evening max el      | -6970 Oct 03 j 16:42 | 8°♊27'00  | 47°22'34   |
|                     | -6972 Feb 18 j 08:14 | 0°♊       |            |                     | -6970 Oct 27 j 03:27 | 0°♍       |            |
|                     | -6972 Mar 14 j 22:38 | 0°♊       |            | greatest brilliancy | -6970 Nov 12 j 23:47 | 10°♍15'14 | -4.9m      |
|                     | -6972 Apr 09 j 01:50 | 0°♊       |            | asc. node           | -6970 Nov 23 j 05:08 | 12°♍29'20 |            |
|                     | -6972 May 03 j 19:17 | 0°♊       |            | retrograde          | -6970 Nov 23 j 18:44 | 12°♍29'44 |            |
|                     | -6972 May 28 j 04:16 | 0°♊       |            | evening set         | -6970 Dec 09 j 02:20 | 7°♍44'28  |            |
| morning set         | -6972 Jun 07 j 02:10 | 12°♊18'42 |            | min. Earth dist.    | -6970 Dec 13 j 21:45 | 4°♍46'32  | 0.28183 AU |
| asc. node           | -6972 Jun 07 j 11:11 | 12°♊46'44 |            | inferior conj       | -6970 Dec 14 j 20:56 | 4°♍09'18  | 4°52'27    |
|                     | -6972 Jun 21 j 06:15 | 0°♊       |            | minimum elong       | -6970 Dec 14 j 12:32 | 4°♍22'49  | 4°50'13    |
| max. Earth dist.    | -6972 Jul 11 j 07:19 | 25°♊10'17 | 1.71271 AU | morning rise        | -6970 Dec 19 j 23:28 | 0°♍58'47  |            |
|                     |                      |           |            |                     | -6970 Dec 21 j 17:18 | 30°♋♊     |            |
| superior conj       | -6972 Jul 14 j 09:28 | 29°♊03'41 | 1°11'57    | direct              | -6969 Jan 04 j 19:30 | 26°♊01'18 |            |
| minimum elong       | -6972 Jul 14 j 01:04 | 28°♊37'13 | 1°12'07    | greatest brilliancy | -6969 Jan 13 j 14:55 | 27°♊27'35 | -4.8m      |
|                     | -6972 Jul 15 j 03:21 | 0°♋       |            |                     | -6969 Jan 19 j 21:21 | 0°♍       |            |
|                     | -6972 Aug 07 j 22:14 | 0°♋       |            | morning max el      | -6969 Feb 22 j 12:54 | 25°♍52'22 | 45°55'09   |
| evening rise        | -6972 Aug 22 j 17:45 | 18°♋40'26 |            |                     | -6969 Feb 26 j 19:36 | 0°♊       |            |
|                     | -6972 Aug 31 j 17:41 | 0°♋       |            | desc. node          | -6969 Mar 15 j 15:48 | 17°♊10'37 |            |
|                     | -6972 Sep 24 j 15:55 | 0°♋       |            |                     | -6969 Mar 27 j 13:44 | 0°♊       |            |
| desc. node          | -6972 Sep 27 j 16:00 | 3°♋45'08  |            |                     | -6969 Apr 23 j 05:01 | 0°♊       |            |
|                     | -6972 Oct 18 j 18:18 | 0°♋       |            |                     | -6969 May 18 j 18:03 | 0°♊       |            |
|                     | -6972 Nov 12 j 02:02 | 0°♍       |            |                     | -6969 Jun 12 j 13:36 | 0°♊       |            |
|                     | -6972 Dec 06 j 17:46 | 0°♊       |            | asc. node           | -6969 Jul 06 j 00:07 | 28°♊56'27 |            |
|                     | -6972 Dec 31 j 23:42 | 0°♊       |            |                     | -6969 Jul 06 j 20:31 | 0°♊       |            |
| asc. node           | -6971 Jan 18 j 00:27 | 19°♊33'45 |            |                     | -6969 Jul 30 j 18:53 | 0°♋       |            |
|                     | -6971 Jan 27 j 09:31 | 0°♊       |            | greatest brilliancy | -6969 Aug 04 j 00:17 | 5°♋19'38  | -3.9m      |
| evening max el      | -6971 Feb 24 j 15:23 | 29°♊09'27 | 44°59'40   | morning set         | -6969 Aug 19 j 02:34 | 24°♋24'03 |            |
|                     | -6971 Feb 25 j 12:46 | 0°♊       |            |                     | -6969 Aug 23 j 12:46 | 0°♋       |            |
| greatest brilliancy | -6971 Apr 03 j 07:14 | 26°♊05'30 | -4.7m      |                     | -6969 Sep 16 j 06:02 | 0°♋       |            |
| retrograde          | -6971 Apr 13 j 14:50 | 27°♊58'24 |            |                     |                      |           |            |
| evening set         | -6971 Apr 28 j 15:29 | 23°♊45'01 |            | superior conj       | -6969 Sep 29 j 03:05 | 16°♋14'33 | 0°56'51    |
| inferior conj       | -6971 May 04 j 22:07 | 20°♊05'36 | 1°17'12    | minimum elong       | -6969 Sep 29 j 14:51 | 16°♋51'37 | 0°56'46    |
| minimum elong       | -6971 May 05 j 00:56 | 20°♊01'18 | 1°16'15    | max. Earth dist.    | -6969 Oct 04 j 10:13 | 22°♋54'35 | 1.71036 AU |
| min. Earth dist.    | -6971 May 05 j 20:22 | 19°♊31'35 | 0.28345 AU |                     | -6969 Oct 10 j 01:39 | 0°♋       |            |
| desc. node          | -6971 May 10 j 11:18 | 16°♊47'33 |            | desc. node          | -6969 Oct 26 j 05:01 | 20°♋13'02 |            |
| morning rise        | -6971 May 11 j 09:22 | 16°♊17'17 |            |                     | -6969 Nov 03 j 01:07 | 0°♋       |            |
| direct              | -6971 May 26 j 13:48 | 11°♊55'13 |            | evening rise        | -6969 Nov 11 j 04:17 | 10°♋07'31 |            |
| greatest brilliancy | -6971 Jun 06 j 23:55 | 14°♊15'06 | -4.8m      |                     | -6969 Nov 27 j 04:37 | 0°♍       |            |
|                     | -6971 Jul 01 j 00:03 | 0°♊       |            |                     | -6969 Dec 21 j 12:14 | 0°♊       |            |
| morning max el      | -6971 Jul 15 j 12:23 | 13°♊29'43 | 46°32'03   |                     | -6968 Jan 15 j 01:04 | 0°♊       |            |
|                     | -6971 Jul 31 j 07:21 | 0°♋       |            |                     | -6968 Feb 08 j 22:05 | 0°♊       |            |
|                     | -6971 Aug 26 j 14:56 | 0°♋       |            | asc. node           | -6968 Feb 15 j 12:13 | 7°♋50'52  |            |
| asc. node           | -6971 Aug 30 j 22:37 | 5°♋07'07  |            |                     | -6968 Mar 05 j 08:17 | 0°♊       |            |
|                     | -6971 Sep 20 j 12:57 | 0°♋       |            |                     | -6968 Mar 31 j 16:06 | 0°♊       |            |
|                     | -6971 Oct 14 j 21:31 | 0°♋       |            |                     | -6968 Apr 28 j 18:01 | 0°♋       |            |
|                     | -6971 Nov 08 j 02:47 | 0°♋       |            | evening max el      | -6968 May 07 j 16:26 | 8°♋49'01  | 45°52'47   |
|                     | -6971 Dec 02 j 09:41 | 0°♋       |            |                     | -6968 Jun 01 j 21:19 | 0°♋       |            |
| desc. node          | -6971 Dec 21 j 05:14 | 23°♋08'25 |            | desc. node          | -6968 Jun 06 j 21:52 | 3°♋09'54  |            |
|                     | -6971 Dec 26 j 19:24 | 0°♍       |            | greatest brilliancy | -6968 Jun 16 j 12:46 | 7°♋38'22  | -4.8m      |
|                     | -6970 Jan 20 j 06:55 | 0°♊       |            | retrograde          | -6968 Jun 26 j 03:40 | 9°♋19'31  |            |
| morning set         | -6970 Jan 20 j 19:01 | 0°♊37'04  |            | evening set         | -6968 Jul 12 j 16:51 | 4°♋11'26  |            |
|                     | -6970 Feb 13 j 18:37 | 0°♊       |            | inferior conj       | -6968 Jul 16 j 23:48 | 1°♋40'51  | -7°57'56   |
| max. Earth dist.    | -6970 Feb 25 j 22:37 | 14°♊55'08 | 1.73761 AU | minimum elong       | -6968 Jul 16 j 15:05 | 1°♋53'52  | 7°56'21    |
|                     |                      |           |            | min. Earth dist.    | -6968 Jul 17 j 00:31 | 1°♋39'46  | 0.26959 AU |
| superior conj       | -6970 Feb 27 j 03:00 | 16°♊22'10 | -1°17'55   |                     | -6968 Jul 19 j 19:48 | 30°♋♊     |            |
| minimum elong       | -6970 Feb 27 j 08:03 | 16°♊37'39 | 1°18'19    | morning rise        | -6968 Jul 20 j 13:09 | 29°♋34'54 |            |
|                     | -6970 Mar 10 j 05:33 | 0°♊       |            | direct              | -6968 Aug 06 j 16:28 | 24°♋00'29 |            |
| evening rise        | -6970 Apr 03 j 22:55 | 0°♊22'38  |            | greatest brilliancy | -6968 Aug 17 j 11:16 | 26°♋11'19 | -4.9m      |
|                     | -6970 Apr 03 j 15:33 | 0°♊       |            |                     | -6968 Aug 25 j 04:34 | 0°♋       |            |
| asc. node           | -6970 Apr 12 j 11:05 | 10°♊50'16 |            | morning max el      | -6968 Sep 26 j 11:05 | 27°♋28'45 | 46°48'26   |
|                     | -6970 Apr 28 j 01:00 | 0°♊       |            | asc. node           | -6968 Sep 27 j 09:55 | 28°♋27'22 |            |
|                     | -6970 May 22 j 10:30 | 0°♋       |            |                     | -6968 Sep 28 j 21:41 | 0°♋       |            |
|                     | -6970 Jun 15 j 21:11 | 0°♋       |            |                     | -6968 Oct 26 j 01:26 | 0°♋       |            |
|                     | -6970 Jul 10 j 11:10 | 0°♋       |            |                     | -6968 Nov 20 j 15:27 | 0°♋       |            |
| desc. node          | -6970 Aug 02 j 17:34 | 28°♋04'34 |            |                     | -6968 Dec 15 j 18:15 | 0°♋       |            |
|                     | -6970 Aug 04 j 08:11 | 0°♋       |            |                     | -6967 Jan 09 j 17:57 | 0°♍       |            |
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


































































































































Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |                      |            |  |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|----------------------|------------|--|
|                     | -6967 Feb 03 j 15:53 | 0°♈       |            |                     |                      | -6965 Jul 28 j 18:55 | 0°♏        |  |
|                     | -6967 Feb 28 j 10:58 | 0°♉       |            | greatest brilliancy | -6965 Aug 31 j 23:59 | 24°♏18'51            | -4.9m      |  |
|                     | -6967 Mar 25 j 02:03 | 0°♊       |            | retrograde          | -6965 Sep 10 j 08:20 | 25°♏58'34            |            |  |
| morning set         | -6967 Mar 30 j 01:09 | 6°♊04'14  |            | evening set         | -6965 Sep 26 j 07:45 | 20°♏55'23            |            |  |
|                     | -6967 Apr 18 j 12:44 | 0°♋       |            | inferior conj       | -6965 Sep 30 j 22:38 | 18°♏07'42            | -5°49'57   |  |
| max. Earth dist.    | -6967 Apr 30 j 13:08 | 14°♋49'33 | 1.73076 AU | minimum elong       | -6965 Oct 01 j 08:56 | 17°♏51'48            | 5°47'05    |  |
|                     |                      |           |            | min. Earth dist.    | -6965 Sep 30 j 16:55 | 18°♏16'31            | 0.26560 AU |  |
| superior conj       | -6967 May 04 j 12:06 | 19°♋43'13 | -0°12'48   | morning rise        | -6965 Oct 06 j 10:26 | 14°♏52'08            |            |  |
| minimum elong       | -6967 May 04 j 14:35 | 19°♋50'52 | 0°12'48    | direct              | -6965 Oct 21 j 04:18 | 10°♏31'07            |            |  |
| behind sun begin    | -6967 May 04 j 01:28 | 19°♋10'17 |            | asc. node           | -6965 Oct 25 j 20:37 | 10°♏57'24            |            |  |
| behind sun end      | -6967 May 05 j 03:42 | 20°♋31'27 |            | greatest brilliancy | -6965 Oct 31 j 00:30 | 12°♏22'58            | -4.9m      |  |
| asc. node           | -6967 May 10 j 00:12 | 26°♋32'10 |            |                     | -6965 Nov 26 j 09:57 | 0°♐                  |            |  |
|                     | -6967 May 12 j 19:15 | 0°♑       |            | morning max el      | -6965 Dec 10 j 04:15 | 12°♐58'36            | 46°23'53   |  |
|                     | -6967 Jun 05 j 22:20 | 0°♒       |            |                     | -6965 Dec 26 j 14:39 | 0°♑                  |            |  |
| evening rise        | -6967 Jun 09 j 06:37 | 4°♒10'17  |            |                     | -6964 Jan 22 j 18:08 | 0°♒                  |            |  |
|                     | -6967 Jun 29 j 23:13 | 0°♓       |            | desc. node          | -6964 Feb 15 j 06:25 | 26°♒57'34            |            |  |
|                     | -6967 Jul 23 j 23:46 | 0°♑       |            |                     | -6964 Feb 17 j 21:17 | 0°♓                  |            |  |
|                     | -6967 Aug 17 j 02:17 | 0°♒       |            |                     | -6964 Mar 14 j 10:41 | 0°♑                  |            |  |
| desc. node          | -6967 Aug 30 j 05:36 | 16°♒15'43 |            |                     | -6964 Apr 08 j 13:19 | 0°♒                  |            |  |
|                     | -6967 Sep 10 j 09:12 | 0°♐       |            |                     | -6964 May 03 j 06:28 | 0°♋                  |            |  |
|                     | -6967 Oct 04 j 23:34 | 0°♑       |            |                     | -6964 May 27 j 15:17 | 0°♑                  |            |  |
|                     | -6967 Oct 30 j 03:14 | 0°♒       |            | morning set         | -6964 Jun 04 j 19:35 | 10°♑09'24            |            |  |
|                     | -6967 Nov 25 j 11:37 | 0°♓       |            | asc. node           | -6964 Jun 06 j 13:14 | 12°♑18'58            |            |  |
| evening max el      | -6967 Dec 13 j 08:21 | 18°♓44'18 | 45°49'37   |                     | -6964 Jun 20 j 17:13 | 0°♒                  |            |  |
| asc. node           | -6967 Dec 20 j 15:42 | 25°♓46'26 |            | max. Earth dist.    | -6964 Jul 08 j 17:18 | 22°♒36'08            | 1.71324 AU |  |
|                     | -6967 Dec 25 j 07:29 | 0°♑       |            |                     |                      |                      |            |  |
| greatest brilliancy | -6966 Jan 20 j 13:18 | 17°♑40'09 | -4.7m      | superior conj       | -6964 Jul 12 j 00:34 | 26°♒45'33            | 1°10'09    |  |
| retrograde          | -6966 Jan 31 j 13:46 | 19°♑53'11 |            | minimum elong       | -6964 Jul 11 j 15:52 | 26°♒18'09            | 1°10'17    |  |
| evening set         | -6966 Feb 18 j 04:47 | 13°♑54'47 |            |                     | -6964 Jul 14 j 14:21 | 0°♓                  |            |  |
| inferior conj       | -6966 Feb 22 j 00:16 | 11°♑31'15 | 7°56'02    |                     | -6964 Aug 07 j 09:19 | 0°♑                  |            |  |
| minimum elong       | -6966 Feb 22 j 03:49 | 11°♑25'35 | 7°55'22    | evening rise        | -6964 Aug 20 j 04:23 | 16°♑07'37            |            |  |
| min. Earth dist.    | -6966 Feb 22 j 08:16 | 11°♑18'31 | 0.29559 AU |                     | -6964 Aug 31 j 04:55 | 0°♒                  |            |  |
| morning rise        | -6966 Feb 26 j 02:55 | 8°♑56'53  |            |                     | -6964 Sep 24 j 03:18 | 0°♐                  |            |  |
| direct              | -6966 Mar 15 j 21:14 | 3°♑00'11  |            | desc. node          | -6964 Sep 26 j 18:09 | 3°♐16'15             |            |  |
| greatest brilliancy | -6966 Mar 25 j 21:37 | 4°♑48'53  | -4.7m      |                     | -6964 Oct 18 j 05:52 | 0°♑                  |            |  |
| desc. node          | -6966 Apr 12 j 02:43 | 14°♑19'57 |            |                     | -6964 Nov 11 j 13:53 | 0°♒                  |            |  |
|                     | -6966 Apr 30 j 18:47 | 0°♒       |            |                     | -6964 Dec 06 j 06:07 | 0°♓                  |            |  |
| morning max el      | -6966 May 03 j 22:57 | 3°♒00'08  | 45°59'40   |                     | -6964 Dec 31 j 13:07 | 0°♑                  |            |  |
|                     | -6966 May 30 j 01:26 | 0°♋       |            | asc. node           | -6963 Jan 17 j 02:45 | 18°♑58'51            |            |  |
|                     | -6966 Jun 25 j 11:13 | 0°♑       |            |                     | -6963 Jan 27 j 01:23 | 0°♒                  |            |  |
|                     | -6966 Jul 20 j 13:29 | 0°♒       |            | evening max el      | -6963 Feb 22 j 05:25 | 26°♒55'01            | 44°59'38   |  |
| asc. node           | -6966 Aug 02 j 12:47 | 15°♒53'56 |            |                     | -6963 Feb 25 j 12:24 | 0°♋                  |            |  |
|                     | -6966 Aug 13 j 21:51 | 0°♓       |            | greatest brilliancy | -6963 Mar 31 j 22:02 | 23°♋54'07            | -4.7m      |  |
|                     | -6966 Sep 06 j 20:36 | 0°♑       |            | retrograde          | -6963 Apr 11 j 05:31 | 25°♋47'26            |            |  |
|                     | -6966 Sep 30 j 16:08 | 0°♒       |            | evening set         | -6963 Apr 26 j 08:02 | 21°♋31'14            |            |  |
|                     | -6966 Oct 24 j 13:03 | 0°♐       |            | inferior conj       | -6963 May 02 j 13:23 | 17°♋53'36            | 1°37'02    |  |
| morning set         | -6966 Nov 04 j 09:16 | 13°♐33'51 |            | minimum elong       | -6963 May 02 j 16:54 | 17°♋48'14            | 1°35'53    |  |
|                     | -6966 Nov 17 j 13:39 | 0°♑       |            | min. Earth dist.    | -6963 May 03 j 12:33 | 17°♋18'09            | 0.28407 AU |  |
| desc. node          | -6966 Nov 22 j 18:09 | 6°♑27'07  |            | morning rise        | -6963 May 09 j 00:40 | 14°♋04'54            |            |  |
|                     | -6966 Dec 11 j 18:02 | 0°♒       |            | desc. node          | -6963 May 09 j 13:25 | 13°♋47'52            |            |  |
|                     |                      |           |            | direct              | -6963 May 24 j 05:03 | 9°♋41'44             |            |  |
| superior conj       | -6966 Dec 16 j 04:36 | 5°♒29'28  | -0°49'53   | greatest brilliancy | -6963 Jun 04 j 16:25 | 12°♋02'24            | -4.8m      |  |
| minimum elong       | -6966 Dec 15 j 18:32 | 4°♒58'21  | 0°49'44    |                     | -6963 Jul 01 j 05:48 | 0°♑                  |            |  |
| max. Earth dist.    | -6966 Dec 19 j 19:03 | 9°♒56'34  | 1.72764 AU | morning max el      | -6963 Jul 13 j 03:12 | 11°♑11'40            | 46°31'09   |  |
|                     | -6965 Jan 05 j 01:16 | 0°♓       |            |                     | -6963 Jul 31 j 01:05 | 0°♒                  |            |  |
| evening rise        | -6965 Jan 24 j 04:01 | 23°♓31'11 |            |                     | -6963 Aug 26 j 05:25 | 0°♓                  |            |  |
|                     | -6965 Jan 29 j 10:39 | 0°♑       |            | asc. node           | -6963 Aug 30 j 00:53 | 4°♓31'39             |            |  |
| greatest brilliancy | -6965 Feb 20 j 19:08 | 27°♑23'05 | -3.9m      |                     | -6963 Sep 20 j 02:01 | 0°♑                  |            |  |
|                     | -6965 Feb 22 j 22:30 | 0°♒       |            |                     | -6963 Oct 14 j 09:49 | 0°♒                  |            |  |
| asc. node           | -6965 Mar 15 j 00:30 | 24°♒27'45 |            |                     | -6963 Nov 07 j 14:36 | 0°♐                  |            |  |
|                     | -6965 Mar 19 j 13:59 | 0°♋       |            |                     | -6963 Dec 01 j 21:08 | 0°♑                  |            |  |
|                     | -6965 Apr 13 j 10:36 | 0°♑       |            | desc. node          | -6963 Dec 20 j 07:17 | 22°♑40'11            |            |  |
|                     | -6965 May 08 j 14:21 | 0°♒       |            |                     | -6963 Dec 26 j 06:35 | 0°♒                  |            |  |
|                     | -6965 Jun 03 j 05:23 | 0°♓       |            | morning set         | -6962 Jan 18 j 10:01 | 28°♒22'25            |            |  |
|                     | -6965 Jun 29 j 18:37 | 0°♑       |            |                     | -6962 Jan 19 j 17:53 | 0°♓                  |            |  |
| desc. node          | -6965 Jul 05 j 08:30 | 6°♑04'05  |            |                     | -6962 Feb 13 j 05:27 | 0°♑                  |            |  |
| evening max el      | -6965 Jul 21 j 15:37 | 23°♑03'10 | 47°27'25   | max. Earth dist.    | -6962 Feb 23 j 18:03 | 12°♑54'32            | 1.73756 AU |  |



## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 89

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |   |            |                     |                      |   |            |
|---------------------|----------------------|---|------------|---------------------|----------------------|---|------------|
| superior conj       | -6962 Feb 24 j 21:18 | 14°  18'05   | -1°18'49   | min. Earth dist.    | -6960 Jul 14 j 12:45 | 29°  14'37   | 0.26992 AU |
| minimum elong       | -6962 Feb 25 j 01:52 | 14°  32'04   | 1°19'14    | morning rise        | -6960 Jul 18 j 04:47 | 27°  04'52   |            |
|                     | -6962 Mar 09 j 16:19 | 0°           |            | direct              | -6960 Aug 04 j 06:14 | 21°  34'39   |            |
| evening rise        | -6962 Apr 01 j 18:21 | 28°  21'36   |            | greatest brilliancy | -6960 Aug 15 j 00:21 | 23°  44'59   | -4.9m      |
|                     | -6962 Apr 03 j 02:22 | 0°           |            |                     | -6960 Aug 26 j 14:00 | 0°           |            |
| asc. node           | -6962 Apr 11 j 13:12 | 10°  23'20   |            | morning max el      | -6960 Sep 24 j 01:04 | 25°  03'26   | 46°48'35   |
|                     | -6962 Apr 27 j 12:02 | 0°           |            | asc. node           | -6960 Sep 26 j 12:04 | 27°  35'46   |            |
|                     | -6962 May 21 j 21:54 | 0°           |            |                     | -6960 Sep 28 j 19:08 | 0°           |            |
|                     | -6962 Jun 15 j 09:07 | 0°           |            |                     | -6960 Oct 25 j 17:28 | 0°           |            |
|                     | -6962 Jul 09 j 23:47 | 0°           |            |                     | -6960 Nov 20 j 05:17 | 0°           |            |
| desc. node          | -6962 Aug 01 j 19:51 | 27°  30'56   |            |                     | -6960 Dec 15 j 06:53 | 0°           |            |
|                     | -6962 Aug 03 j 21:48 | 0°           |            |                     | -6959 Jan 09 j 05:49 | 0°           |            |
|                     | -6962 Aug 29 j 10:48 | 0°           |            | desc. node          | -6959 Jan 16 j 20:14 | 9°  09'08    |            |
|                     | -6962 Sep 25 j 10:34 | 0°           |            |                     | -6959 Feb 03 j 03:13 | 0°           |            |
| evening max el      | -6962 Oct 01 j 07:38 | 6°  07'01    | 47°25'04   |                     | -6959 Feb 27 j 21:57 | 0°           |            |
|                     | -6962 Oct 27 j 20:04 | 0°           |            |                     | -6959 Mar 24 j 12:50 | 0°           |            |
| greatest brilliancy | -6962 Nov 10 j 16:50 | 7°  05'53    | -4.9m      | morning set         | -6959 Mar 27 j 20:32 | 4°  03'43    |            |
| retrograde          | -6962 Nov 21 j 11:10 | 10°  14'17   |            |                     | -6959 Apr 17 j 23:27 | 0°           |            |
| asc. node           | -6962 Nov 22 j 07:13 | 10°  13'25   |            | max. Earth dist.    | -6959 Apr 28 j 09:15 | 12°  50'15   | 1.73124 AU |
| evening set         | -6962 Dec 06 j 16:36 | 5°  31'33    |            |                     |                      |   |            |
| min. Earth dist.    | -6962 Dec 11 j 13:33 | 2°  31'52    | 0.28111 AU | superior conj       | -6959 May 02 j 07:17 | 17°  40'50   | -0°15'45   |
| inferior conj       | -6962 Dec 12 j 12:57 | 1°  54'23    | 4°36'11    | minimum elong       | -6959 May 02 j 10:18 | 17°  50'10   | 0°15'46    |
| minimum elong       | -6962 Dec 12 j 04:46 | 2°  07'30    | 4°33'57    | behind sun begin    | -6959 May 02 j 08:18 | 17°  44'00   |            |
|                     | -6962 Dec 15 j 13:11 | 30°  09'01   |            | behind sun end      | -6959 May 02 j 12:17 | 17°  56'20   |            |
| morning rise        | -6962 Dec 17 j 17:42 | 28°  41'02   |            | asc. node           | -6959 May 09 j 02:15 | 26°  40'51   |            |
| direct              | -6961 Jan 02 j 10:17 | 23°  47'22   |            |                     | -6959 May 12 j 06:01 | 0°           |            |
| greatest brilliancy | -6961 Jan 11 j 06:25 | 25°  14'29   | -4.8m      |                     | -6959 Jun 05 j 09:14 | 0°           |            |
|                     | -6961 Jan 21 j 15:25 | 0°         |            | evening rise        | -6959 Jun 07 j 00:38 | 2°  02'46  |            |
| morning max el      | -6961 Feb 20 j 04:50 | 23°  42'19 | 45°55'39   |                     | -6959 Jun 29 j 10:20 | 0°         |            |
|                     | -6961 Feb 26 j 16:19 | 0°         |            |                     | -6959 Jul 23 j 11:11 | 0°         |            |
| desc. node          | -6961 Mar 14 j 17:58 | 16°  57'14 |            |                     | -6959 Aug 16 j 14:04 | 0°         |            |
|                     | -6961 Mar 27 j 04:55 | 0°         |            | desc. node          | -6959 Aug 29 j 07:44 | 15°  45'12 |            |
|                     | -6961 Apr 22 j 18:04 | 0°         |            |                     | -6959 Sep 09 j 21:29 | 0°         |            |
|                     | -6961 May 18 j 06:04 | 0°         |            |                     | -6959 Oct 04 j 12:32 | 0°         |            |
|                     | -6961 Jun 12 j 01:05 | 0°         |            |                     | -6959 Oct 29 j 17:26 | 0°         |            |
| asc. node           | -6961 Jul 05 j 02:20 | 28°  09'23 |            |                     | -6959 Nov 25 j 04:39 | 0°         |            |
|                     | -6961 Jul 06 j 07:45 | 0°         |            | evening max el      | -6959 Dec 11 j 00:44 | 16°  52'57 | 45°52'47   |
|                     | -6961 Jul 30 j 06:01 | 0°         |            | asc. node           | -6959 Dec 19 j 18:02 | 24°  54'32 |            |
| greatest brilliancy | -6961 Aug 03 j 12:23 | 5°  22'45  | -3.9m      |                     | -6959 Dec 25 j 11:39 | 0°         |            |
| morning set         | -6961 Aug 16 j 14:21 | 21°  54'24 |            | greatest brilliancy | -6958 Jan 18 j 06:54 | 15°  34'48 | -4.7m      |
|                     | -6961 Aug 22 j 23:52 | 0°         |            | retrograde          | -6958 Jan 29 j 07:14 | 17°  34'41 |            |
|                     | -6961 Sep 15 j 17:07 | 0°         |            | evening set         | -6958 Feb 15 j 23:01 | 11°  34'09 |            |
|                     |                      |   |            | inferior conj       | -6958 Feb 19 j 17:47 | 9°  25'20  | 7°59'39    |
| superior conj       | -6961 Sep 26 j 11:55 | 13°  36'16 | 0°59'42    | minimum elong       | -6958 Feb 19 j 20:42 | 9°  20'39  | 7°59'03    |
| minimum elong       | -6961 Sep 26 j 23:42 | 14°  13'26 | 0°59'40    | min. Earth dist.    | -6958 Feb 20 j 00:17 | 9°  14'55  | 0.29554 AU |
| max. Earth dist.    | -6961 Oct 01 j 14:23 | 20°  01'52 | 1.70994 AU | morning rise        | -6958 Feb 23 j 18:28 | 6°  53'32  |            |
|                     | -6961 Oct 09 j 12:44 | 0°         |            | direct              | -6958 Mar 13 j 14:39 | 0°  54'36  |            |
| desc. node          | -6961 Oct 25 j 07:04 | 19°  44'51 |            | greatest brilliancy | -6958 Mar 23 j 12:27 | 2°  40'56  | -4.7m      |
|                     | -6961 Nov 02 j 12:10 | 0°         |            | desc. node          | -6958 Apr 11 j 04:51 | 13°  31'43 |            |
| evening rise        | -6961 Nov 08 j 13:53 | 7°  33'45  |            |                     | -6958 Apr 30 j 17:38 | 0°         |            |
|                     | -6961 Nov 26 j 15:42 | 0°         |            | morning max el      | -6958 May 01 j 15:00 | 0°  50'57  | 45°58'46   |
|                     | -6961 Dec 20 j 23:23 | 0°         |            |                     | -6958 May 29 j 17:16 | 0°         |            |
|                     | -6960 Jan 14 j 12:28 | 0°         |            |                     | -6958 Jun 25 j 00:44 | 0°         |            |
|                     | -6960 Feb 08 j 10:01 | 0°         |            |                     | -6958 Jul 20 j 01:56 | 0°         |            |
| asc. node           | -6960 Feb 14 j 14:26 | 7°  21'23  |            | asc. node           | -6958 Aug 01 j 15:02 | 15°  23'33 |            |
|                     | -6960 Mar 04 j 21:19 | 0°         |            |                     | -6958 Aug 13 j 09:44 | 0°         |            |
|                     | -6960 Mar 31 j 07:21 | 0°         |            |                     | -6958 Sep 06 j 08:10 | 0°         |            |
|                     | -6960 Apr 28 j 14:49 | 0°         |            |                     | -6958 Sep 30 j 03:32 | 0°         |            |
| evening max el      | -6960 May 05 j 06:57 | 6°  32'03  | 45°49'40   |                     | -6958 Oct 24 j 00:21 | 0°         |            |
|                     | -6960 Jun 03 j 03:09 | 0°         |            | morning set         | -6958 Nov 01 j 19:03 | 10°  09'25 |            |
| desc. node          | -6960 Jun 06 j 00:02 | 1°  11'59  |            |                     | -6958 Nov 17 j 00:50 | 0°         |            |
| greatest brilliancy | -6960 Jun 13 j 23:08 | 5°  11'59  | -4.8m      | desc. node          | -6958 Nov 21 j 20:13 | 5°  08'49  |            |
| retrograde          | -6960 Jun 23 j 16:19 | 6°  11'59  |            |                     | -6958 Dec 11 j 05:06 | 0°         |            |
| evening set         | -6960 Jul 10 j 00:56 | 1°  11'59  |            |                     |                      |   |            |
|                     | -6960 Jul 13 j 06:21 | 30°  08'08 |            | superior conj       | -6958 Dec 13 j 16:41 | 3°  04'15  | -0°46'59   |
| inferior conj       | -6960 Jul 14 j 12:09 | 29°  15'30 | -7°46'26   | minimum elong       | -6958 Dec 13 j 06:50 | 2°  33'49  | 0°46'47    |
| minimum elong       | -6960 Jul 14 j 02:57 | 29°  15'30 | 7°44'41    | max. Earth dist.    | -6958 Dec 17 j 13:34 | 7°  01'22  | 1.72702 AU |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |  |                      |           |            |  |
|---------------------|----------------------|-----------|------------|---------------------|--|----------------------|-----------|------------|--|
|                     | -6957 Jan 04 j 12:14 | 0°♊       |            |                     |  | -6955 Aug 25 j 19:57 | 0°♊       |            |  |
| evening rise        | -6957 Jan 21 j 20:10 | 21°♊19'40 |            | asc. node           |  | -6955 Aug 29 j 02:58 | 3°♊55'16  |            |  |
|                     | -6957 Jan 28 j 21:36 | 0°♊       |            |                     |  | -6955 Sep 19 j 15:16 | 0°♊       |            |  |
|                     | -6957 Feb 22 j 09:34 | 0°♊       |            |                     |  | -6955 Oct 13 j 22:21 | 0°♊       |            |  |
| asc. node           | -6957 Mar 14 j 02:38 | 23°♊59'57 |            |                     |  | -6955 Nov 07 j 02:39 | 0°♊       |            |  |
|                     | -6957 Mar 19 j 01:22 | 0°♊       |            |                     |  | -6955 Dec 01 j 08:50 | 0°♊       |            |  |
|                     | -6957 Apr 12 j 22:35 | 0°♊       |            | desc. node          |  | -6955 Dec 19 j 09:31 | 22°♊11'43 |            |  |
|                     | -6957 May 08 j 03:20 | 0°♊       |            |                     |  | -6955 Dec 25 j 18:00 | 0°♊       |            |  |
|                     | -6957 Jun 02 j 20:03 | 0°♊       |            | morning set         |  | -6954 Jan 16 j 00:39 | 26°♊05'42 |            |  |
|                     | -6957 Jun 29 j 12:38 | 0°♊       |            |                     |  | -6954 Jan 19 j 05:06 | 0°♊       |            |  |
| desc. node          | -6957 Jul 04 j 10:48 | 5°♊19'05  |            |                     |  | -6954 Feb 12 j 16:32 | 0°♊       |            |  |
| evening max el      | -6957 Jul 19 j 04:36 | 20°♊36'35 | 47°24'59   | max. Earth dist.    |  | -6954 Feb 21 j 14:23 | 10°♊55'48 | 1.73748 AU |  |
|                     | -6957 Jul 28 j 22:53 | 0°♊       |            |                     |  |                      |           |            |  |
| greatest brilliancy | -6957 Aug 29 j 14:10 | 21°♊50'34 | -4.9m      | superior conj       |  | -6954 Feb 22 j 15:26 | 12°♊12'39 | -1°19'38   |  |
| retrograde          | -6957 Sep 07 j 20:23 | 23°♊28'22 |            | minimum elong       |  | -6954 Feb 22 j 19:28 | 12°♊25'01 | 1°20'03    |  |
| evening set         | -6957 Sep 23 j 23:35 | 18°♊21'27 |            |                     |  | -6954 Mar 09 j 03:20 | 0°♊       |            |  |
| inferior conj       | -6957 Sep 28 j 11:12 | 15°♊38'39 | -6°08'04   | evening rise        |  | -6954 Mar 30 j 13:50 | 26°♊20'02 |            |  |
| minimum elong       | -6957 Sep 28 j 21:39 | 15°♊22'31 | 6°05'15    |                     |  | -6954 Apr 02 j 13:27 | 0°♊       |            |  |
| min. Earth dist.    | -6957 Sep 28 j 06:31 | 15°♊45'54 | 0.26547 AU | asc. node           |  | -6954 Apr 10 j 15:19 | 9°♊55'36  |            |  |
| morning rise        | -6957 Oct 03 j 19:58 | 12°♊27'07 |            |                     |  | -6954 Apr 26 j 23:17 | 0°♊       |            |  |
| direct              | -6957 Oct 18 j 16:20 | 8°♊02'31  |            |                     |  | -6954 May 21 j 09:31 | 0°♊       |            |  |
| asc. node           | -6957 Oct 24 j 22:47 | 8°♊48'56  |            |                     |  | -6954 Jun 14 j 21:15 | 0°♊       |            |  |
| greatest brilliancy | -6957 Oct 28 j 14:23 | 9°♊55'33  | -4.9m      |                     |  | -6954 Jul 09 j 12:40 | 0°♊       |            |  |
|                     | -6957 Nov 26 j 16:18 | 0°♊       |            | desc. node          |  | -6954 Jul 31 j 21:56 | 26°♊55'46 |            |  |
| morning max el      | -6957 Dec 07 j 16:46 | 10°♊32'13 | 46°25'04   |                     |  | -6954 Aug 03 j 11:49 | 0°♊       |            |  |
|                     | -6957 Dec 26 j 08:58 | 0°♊       |            |                     |  | -6954 Aug 29 j 02:49 | 0°♊       |            |  |
|                     | -6956 Jan 22 j 08:51 | 0°♊       |            |                     |  | -6954 Sep 25 j 07:20 | 0°♊       |            |  |
| desc. node          | -6956 Feb 14 j 08:27 | 26°♊25'21 |            | evening max el      |  | -6954 Sep 28 j 23:28 | 3°♊47'51  | 47°27'19   |  |
|                     | -6956 Feb 17 j 10:16 | 0°♊       |            |                     |  | -6954 Oct 28 j 19:48 | 0°♊       |            |  |
|                     | -6956 Mar 13 j 22:42 | 0°♊       |            | greatest brilliancy |  | -6954 Nov 08 j 09:14 | 5°♊41'24  | -4.9m      |  |
|                     | -6956 Apr 08 j 00:46 | 0°♊       |            | retrograde          |  | -6954 Nov 19 j 03:43 | 7°♊55'57  |            |  |
|                     | -6956 May 02 j 17:36 | 0°♊       |            | asc. node           |  | -6954 Nov 21 j 09:31 | 7°♊49'34  |            |  |
|                     | -6956 May 27 j 02:17 | 0°♊       |            | evening set         |  | -6954 Dec 04 j 06:35 | 3°♊15'39  |            |  |
| morning set         | -6956 Jun 02 j 13:16 | 8°♊00'54  |            | min. Earth dist.    |  | -6954 Dec 09 j 04:44 | 0°♊14'32  | 0.28036 AU |  |
| asc. node           | -6956 Jun 05 j 15:29 | 11°♊51'42 |            |                     |  | -6954 Dec 09 j 13:50 | 30°♊      |            |  |
|                     | -6956 Jun 20 j 04:14 | 0°♊       |            | inferior conj       |  | -6954 Dec 10 j 04:29 | 29°♊36'33 | 4°19'10    |  |
| max. Earth dist.    | -6956 Jul 06 j 05:37 | 20°♊09'03 | 1.71385 AU | minimum elong       |  | -6954 Dec 09 j 20:37 | 29°♊49'09 | 4°16'57    |  |
|                     |                      |           |            | morning rise        |  | -6954 Dec 15 j 11:30 | 26°♊20'30 |            |  |
| superior conj       | -6956 Jul 09 j 15:46 | 24°♊27'24 | 1°08'14    | direct              |  | -6954 Dec 31 j 01:01 | 21°♊30'41 |            |  |
| minimum elong       | -6956 Jul 09 j 06:51 | 23°♊59'21 | 1°08'20    | greatest brilliancy |  | -6953 Jan 08 j 21:03 | 22°♊58'10 | -4.8m      |  |
|                     | -6956 Jul 14 j 01:27 | 0°♊       |            |                     |  | -6953 Jan 22 j 21:27 | 0°♊       |            |  |
|                     | -6956 Aug 06 j 20:34 | 0°♊       |            | morning max el      |  | -6953 Feb 17 j 21:06 | 21°♊31'40 | 45°56'13   |  |
| evening rise        | -6956 Aug 17 j 15:04 | 13°♊34'32 |            |                     |  | -6953 Feb 26 j 12:53 | 0°♊       |            |  |
|                     | -6956 Aug 30 j 16:19 | 0°♊       |            | desc. node          |  | -6953 Mar 13 j 20:04 | 15°♊52'03 |            |  |
|                     | -6956 Sep 23 j 14:51 | 0°♊       |            |                     |  | -6953 Mar 26 j 20:18 | 0°♊       |            |  |
| desc. node          | -6956 Sep 25 j 20:11 | 2°♊46'30  |            |                     |  | -6953 Apr 22 j 07:24 | 0°♊       |            |  |
|                     | -6956 Oct 17 j 17:35 | 0°♊       |            |                     |  | -6953 May 17 j 18:22 | 0°♊       |            |  |
|                     | -6956 Nov 11 j 01:54 | 0°♊       |            |                     |  | -6953 Jun 11 j 12:49 | 0°♊       |            |  |
|                     | -6956 Dec 05 j 18:42 | 0°♊       |            | asc. node           |  | -6953 Jul 04 j 04:32 | 27°♊59'28 |            |  |
|                     | -6956 Dec 31 j 02:49 | 0°♊       |            |                     |  | -6953 Jul 05 j 19:14 | 0°♊       |            |  |
| asc. node           | -6955 Jan 16 j 05:01 | 18°♊23'08 |            |                     |  | -6953 Jul 29 j 17:23 | 0°♊       |            |  |
|                     | -6955 Jan 26 j 17:42 | 0°♊       |            | greatest brilliancy |  | -6953 Aug 02 j 19:17 | 5°♊08'41  | -3.9m      |  |
| evening max el      | -6955 Feb 19 j 20:05 | 24°♊41'52 | 44°59'53   | morning set         |  | -6953 Aug 14 j 02:35 | 19°♊25'29 |            |  |
|                     | -6955 Feb 25 j 13:19 | 0°♊       |            |                     |  | -6953 Aug 22 j 11:13 | 0°♊       |            |  |
| greatest brilliancy | -6955 Mar 29 j 12:29 | 21°♊42'44 | -4.7m      |                     |  | -6953 Sep 15 j 04:30 | 0°♊       |            |  |
| retrograde          | -6955 Apr 08 j 21:01 | 23°♊37'13 |            |                     |  |                      |           |            |  |
| evening set         | -6955 Apr 24 j 00:59 | 19°♊17'59 |            | superior conj       |  | -6953 Sep 23 j 20:50 | 10°♊57'11 | 1°02'25    |  |
| inferior conj       | -6955 Apr 30 j 04:55 | 15°♊42'12 | 1°56'22    | minimum elong       |  | -6953 Sep 24 j 08:32 | 11°♊34'04 | 1°02'26    |  |
| minimum elong       | -6955 Apr 30 j 09:05 | 15°♊35'50 | 1°55'03    | max. Earth dist.    |  | -6953 Sep 28 j 21:06 | 17°♊16'00 | 1.70962 AU |  |
| min. Earth dist.    | -6955 May 01 j 04:39 | 15°♊05'55 | 0.28468 AU |                     |  | -6953 Oct 09 j 00:09 | 0°♊       |            |  |
| morning rise        | -6955 May 06 j 16:07 | 11°♊53'35 |            | desc. node          |  | -6953 Oct 24 j 09:12 | 19°♊15'42 |            |  |
| desc. node          | -6955 May 08 j 15:33 | 10°♊52'19 |            |                     |  | -6953 Nov 01 j 23:38 | 0°♊       |            |  |
| direct              | -6955 May 21 j 20:54 | 7°♊28'59  |            | evening rise        |  | -6953 Nov 05 j 22:54 | 4°♊56'45  |            |  |
| greatest brilliancy | -6955 Jun 02 j 08:49 | 9°♊50'17  | -4.8m      |                     |  | -6953 Nov 26 j 03:12 | 0°♊       |            |  |
|                     | -6955 Jul 01 j 09:39 | 0°♊       |            |                     |  | -6953 Dec 20 j 10:59 | 0°♊       |            |  |
| morning max el      | -6955 Jul 10 j 19:02 | 8°♊56'16  | 46°29'59   |                     |  | -6952 Jan 14 j 00:19 | 0°♊       |            |  |
|                     | -6955 Jul 30 j 18:34 | 0°♊       |            |                     |  | -6952 Feb 07 j 22:27 | 0°♊       |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
| asc. node           | -6952 Feb 13 j 16:31 | 6°≈50'10  |            | asc. node           | -6950 Jul 31 j 17:02 | 14°♄51'40 |            |
|                     | -6952 Mar 04 j 10:53 | 0°♁       |            |                     | -6950 Aug 12 j 21:50 | 0°♂       |            |
|                     | -6952 Mar 30 j 23:19 | 0°♂       |            |                     | -6950 Sep 05 j 19:57 | 0°♄       |            |
|                     | -6952 Apr 28 j 12:51 | 0°♄       |            |                     | -6950 Sep 29 j 15:07 | 0°♂       |            |
| evening max el      | -6952 May 02 j 21:42 | 4°♄14'38  | 45°46'37   |                     | -6950 Oct 23 j 11:48 | 0°♁       |            |
|                     | -6952 Jun 04 j 22:49 | 0°♂       |            | morning set         | -6950 Oct 30 j 05:14 | 8°♁25'33  |            |
| desc. node          | -6952 Jun 05 j 02:21 | 0°♂04'30  |            |                     | -6950 Nov 16 j 12:09 | 0°♄       |            |
| greatest brilliancy | -6952 Jun 11 j 10:15 | 2°♂45'56  | -4.8m      | desc. node          | -6950 Nov 20 j 22:25 | 5°♄30'35  |            |
| retrograde          | -6952 Jun 21 j 04:40 | 4°♂28'45  |            |                     | -6950 Dec 10 j 16:19 | 0°♁       |            |
|                     | -6952 Jul 06 j 13:29 | 30°♁♄     |            | superior conj       | -6950 Dec 11 j 04:50 | 0°♁38'44  | -0°43'58   |
| evening set         | -6952 Jul 07 j 09:19 | 29°♄32'49 |            | minimum elong       | -6950 Dec 10 j 19:18 | 0°♁09'14  | 0°43'46    |
| inferior conj       | -6952 Jul 12 j 00:40 | 26°♄50'03 | -7°34'15   | max. Earth dist.    | -6950 Dec 15 j 06:57 | 5°♁42'08  | 1.72645 AU |
| minimum elong       | -6952 Jul 11 j 15:02 | 27°♄04'28 | 7°32'20    |                     | -6949 Jan 03 j 23:23 | 0°♄       |            |
| min. Earth dist.    | -6952 Jul 12 j 01:25 | 26°♄48'54 | 0.27019 AU | evening rise        | -6949 Jan 19 j 12:03 | 19°♄06'38 |            |
| morning rise        | -6952 Jul 15 j 20:35 | 24°♄34'32 |            |                     | -6949 Jan 28 j 08:47 | 0°♄       |            |
| direct              | -6952 Aug 01 j 19:54 | 19°♄08'50 |            |                     | -6949 Feb 21 j 20:55 | 0°≈       |            |
| greatest brilliancy | -6952 Aug 12 j 13:37 | 21°♄18'33 | -4.9m      | asc. node           | -6949 Mar 13 j 04:45 | 23°≈31'13 |            |
|                     | -6952 Aug 27 j 14:10 | 0°♂       |            |                     | -6949 Mar 18 j 13:03 | 0°♁       |            |
| morning max el      | -6952 Sep 21 j 14:08 | 22°♂35'19 | 46°48'34   |                     | -6949 Apr 12 j 10:52 | 0°♂       |            |
| asc. node           | -6952 Sep 25 j 14:17 | 26°♂44'39 |            |                     | -6949 May 07 j 16:39 | 0°♄       |            |
|                     | -6952 Sep 28 j 16:04 | 0°♄       |            |                     | -6949 Jun 02 j 11:09 | 0°♂       |            |
|                     | -6952 Oct 25 j 09:31 | 0°♂       |            |                     | -6949 Jun 29 j 07:21 | 0°♄       |            |
|                     | -6952 Nov 19 j 19:20 | 0°♁       |            | desc. node          | -6949 Jul 03 j 12:53 | 4°♄32'07  |            |
|                     | -6952 Dec 14 j 19:51 | 0°♄       |            | evening max el      | -6949 Jul 16 j 16:50 | 18°♄07'30 | 47°22'32   |
| desc. node          | -6951 Jan 08 j 18:05 | 0°♁       |            |                     | -6949 Jul 29 j 05:00 | 0°♂       |            |
|                     | -6951 Jan 15 j 22:17 | 8°♁38'51  |            | greatest brilliancy | -6949 Aug 27 j 04:22 | 19°♂21'32 | -4.9m      |
|                     | -6951 Feb 02 j 14:59 | 0°♄       |            | retrograde          | -6949 Sep 05 j 08:19 | 20°♂57'41 |            |
|                     | -6951 Feb 27 j 09:21 | 0°♄       |            | evening set         | -6949 Sep 21 j 15:22 | 15°♂46'35 |            |
| morning set         | -6951 Mar 24 j 00:01 | 0°≈       |            | inferior conj       | -6949 Sep 25 j 23:41 | 13°♂09'02 | -6°25'36   |
|                     | -6951 Mar 25 j 15:29 | 2°≈00'43  |            | minimum elong       | -6949 Sep 26 j 10:13 | 12°♂52'48 | 6°22'51    |
|                     | -6951 Apr 17 j 10:33 | 0°♁       |            | min. Earth dist.    | -6949 Sep 25 j 20:06 | 13°♂14'35 | 0.26534 AU |
| max. Earth dist.    | -6951 Apr 26 j 03:53 | 10°♁45'22 | 1.73170 AU | morning rise        | -6949 Oct 01 j 05:13 | 10°♂02'04 |            |
|                     |                      |           |            | direct              | -6949 Oct 16 j 04:05 | 5°♂33'07  |            |
| superior conj       | -6951 Apr 30 j 02:15 | 15°♁36'48 | -0°18'42   | asc. node           | -6949 Oct 24 j 01:03 | 6°♂45'21  |            |
| minimum elong       | -6951 Apr 30 j 05:48 | 15°♁47'46 | 0°18'43    | greatest brilliancy | -6949 Oct 26 j 04:22 | 7°♂27'56  | -4.9m      |
| asc. node           | -6951 May 08 j 04:28 | 25°♁37'36 |            |                     | -6949 Nov 26 j 20:40 | 0°♁       |            |
|                     | -6951 May 11 j 17:10 | 0°♂       |            | morning max el      | -6949 Dec 05 j 05:43 | 8°♁06'42  | 46°26'26   |
| evening rise        | -6951 Jun 04 j 18:41 | 29°♂54'16 |            |                     | -6949 Dec 26 j 02:50 | 0°♄       |            |
|                     | -6951 Jun 04 j 20:31 | 0°♄       |            |                     | -6948 Jan 21 j 23:23 | 0°♁       |            |
|                     | -6951 Jun 28 j 21:49 | 0°♂       |            | desc. node          | -6948 Feb 13 j 10:34 | 25°♁53'24 |            |
|                     | -6951 Jul 22 j 22:55 | 0°♄       |            |                     | -6948 Feb 16 j 23:14 | 0°♄       |            |
| desc. node          | -6951 Aug 16 j 02:08 | 0°♂       |            |                     | -6948 Mar 13 j 10:47 | 0°♄       |            |
|                     | -6951 Aug 28 j 09:49 | 15°♂13'45 |            |                     | -6948 Apr 07 j 12:19 | 0°≈       |            |
|                     | -6951 Sep 09 j 10:01 | 0°♁       |            |                     | -6948 May 02 j 04:52 | 0°♁       |            |
|                     | -6951 Oct 04 j 01:47 | 0°♄       |            |                     | -6948 May 26 j 13:24 | 0°♂       |            |
|                     | -6951 Oct 29 j 08:01 | 0°♁       |            | morning set         | -6948 May 31 j 06:45 | 5°♂51'36  |            |
|                     | -6951 Nov 24 j 22:25 | 0°♄       |            | asc. node           | -6948 Jun 04 j 17:37 | 11°♂23'48 |            |
| evening max el      | -6951 Dec 08 j 16:14 | 14°♄18'01 | 45°55'44   |                     | -6948 Jun 19 j 15:18 | 0°♄       |            |
| asc. node           | -6951 Dec 18 j 20:16 | 24°♄00'02 |            | max. Earth dist.    | -6948 Jul 03 j 19:38 | 17°♄47'11 | 1.71444 AU |
|                     | -6951 Dec 25 j 18:31 | 0°♄       |            |                     |                      |           |            |
| greatest brilliancy | -6950 Jan 16 j 00:40 | 13°♄27'38 | -4.7m      | superior conj       | -6948 Jul 07 j 06:48 | 22°♄08'40 | 1°06'12    |
| retrograde          | -6950 Jan 27 j 00:04 | 15°♄40'08 |            | minimum elong       | -6948 Jul 06 j 21:44 | 21°♄40'07 | 1°06'16    |
| evening set         | -6950 Feb 13 j 16:49 | 9°♄39'46  |            |                     | -6948 Jul 13 j 12:36 | 0°♂       |            |
| inferior conj       | -6950 Feb 17 j 11:05 | 7°♄17'28  | 8°02'39    |                     | -6948 Aug 06 j 07:52 | 0°♄       |            |
| minimum elong       | -6950 Feb 17 j 13:22 | 7°♄13'48  | 8°02'06    | evening rise        | -6948 Aug 15 j 01:55 | 11°♄01'47 |            |
| min. Earth dist.    | -6950 Feb 17 j 16:29 | 7°♄08'50  | 0.29547 AU |                     | -6948 Aug 30 j 03:46 | 0°♂       |            |
| morning rise        | -6950 Feb 21 j 09:59 | 4°♄48'00  |            |                     | -6948 Sep 23 j 02:26 | 0°♁       |            |
|                     | -6950 Mar 03 j 10:48 | 30°♁♄     |            | desc. node          | -6948 Sep 24 j 22:21 | 2°♁17'03  |            |
| direct              | -6950 Mar 11 j 07:23 | 28°♄46'59 |            |                     | -6948 Oct 17 j 05:20 | 0°♄       |            |
|                     | -6950 Mar 19 j 11:25 | 0°♄       |            |                     | -6948 Nov 10 j 13:55 | 0°♁       |            |
| greatest brilliancy | -6950 Mar 21 j 03:42 | 0°♄31'40  | -4.7m      |                     | -6948 Dec 05 j 07:14 | 0°♄       |            |
| desc. node          | -6950 Apr 10 j 07:03 | 12°♄09'22 |            |                     | -6948 Dec 30 j 16:29 | 0°♄       |            |
| morning max el      | -6950 Apr 29 j 06:13 | 28°♄38'33 | 45°58'00   | asc. node           | -6947 Jan 15 j 07:04 | 17°♄46'58 |            |
|                     | -6950 Apr 30 j 16:06 | 0°≈       |            |                     | -6947 Jan 26 j 10:09 | 0°≈       |            |
|                     | -6950 May 29 j 09:14 | 0°♁       |            | evening max el      | -6947 Feb 17 j 11:30 | 22°≈30'46 | 45°00'05   |
|                     | -6950 Jun 24 j 14:27 | 0°♂       |            |                     | -6947 Feb 25 j 15:30 | 0°♁       |            |
|                     | -6950 Jul 19 j 14:36 | 0°♄       |            |                     |                      |           |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 92

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                         |            |                     |                      |                           |            |
|---------------------|----------------------|-------------------------|------------|---------------------|----------------------|---------------------------|------------|
| greatest brilliancy | -6947 Mar 27 j 02:26 | 19° $\text{H}$ 30'51    | -4.7m      |                     | -6945 Sep 14 j 15:38 | 0° $\Omega$               |            |
| retrograde          | -6947 Apr 06 j 12:42 | 21° $\text{H}$ 26'44    |            |                     |                      |                           |            |
| evening set         | -6947 Apr 21 j 18:02 | 17° $\text{H}$ 04'27    |            | superior conj       | -6945 Sep 21 j 05:45 | 8° $\Omega$ 18'50         | 1°05'00    |
| inferior conj       | -6947 Apr 27 j 20:21 | 13° $\text{H}$ 30'29    | 2°15'37    | minimum elong       | -6945 Sep 21 j 17:13 | 8° $\Omega$ 55'00         | 1°05'02    |
| minimum elong       | -6947 Apr 28 j 01:09 | 13° $\text{H}$ 23'09    | 2°14'07    | max. Earth dist.    | -6945 Sep 26 j 04:20 | 14° $\Omega$ 32'32        | 1.70926 AU |
| min. Earth dist.    | -6947 Apr 28 j 20:19 | 12° $\text{H}$ 53'50    | 0.28532 AU |                     | -6945 Oct 08 j 11:18 | 0° $\text{M}$             |            |
| morning rise        | -6947 May 04 j 07:19 | 9° $\text{H}$ 42'15     |            | desc. node          | -6945 Oct 23 j 11:21 | 18° $\text{M}$ 47'32      |            |
| desc. node          | -6947 May 07 j 17:51 | 7° $\text{H}$ 59'39     |            |                     | -6945 Nov 01 j 10:49 | 0° $\Omega$               |            |
| direct              | -6947 May 19 j 13:12 | 5° $\text{H}$ 16'03     |            | evening rise        | -6945 Nov 03 j 07:42 | 2° $\Omega$ 19'52         |            |
| greatest brilliancy | -6947 May 31 j 00:41 | 7° $\text{H}$ 37'22     | -4.8m      |                     | -6945 Nov 25 j 14:25 | 0° $\text{M}$             |            |
|                     | -6947 Jul 01 j 12:01 | 0° $\text{Y}$           |            |                     | -6945 Dec 19 j 22:17 | 0° $\text{X}$             |            |
| morning max el      | -6947 Jul 08 j 11:24 | 6° $\text{Y}$ 42'21     | 46°28'49   |                     | -6944 Jan 13 j 11:51 | 0° $\text{Z}$             |            |
|                     | -6947 Jul 30 j 11:42 | 0° $\text{X}$           |            |                     | -6944 Feb 07 j 10:32 | 0° $\approx$              |            |
|                     | -6947 Aug 25 j 10:17 | 0° $\text{II}$          |            | asc. node           | -6944 Feb 12 j 18:46 | 6° $\approx$ 20'31        |            |
| asc. node           | -6947 Aug 28 j 05:12 | 3° $\text{II}$ 19'44    |            |                     | -6944 Mar 04 j 00:08 | 0° $\text{H}$             |            |
|                     | -6947 Sep 19 j 04:20 | 0° $\text{G}$           |            |                     | -6944 Mar 30 j 15:01 | 0° $\text{Y}$             |            |
|                     | -6947 Oct 13 j 10:43 | 0° $\Omega$             |            |                     | -6944 Apr 28 j 11:11 | 0° $\text{X}$             |            |
|                     | -6947 Nov 06 j 14:33 | 0° $\text{M}$           |            | evening max el      | -6944 Apr 30 j 11:47 | 1° $\text{X}$ 56'58       | 45°43'25   |
|                     | -6947 Nov 30 j 20:22 | 0° $\Omega$             |            | desc. node          | -6944 Jun 04 j 04:24 | 28° $\text{X}$ 27'04      |            |
| desc. node          | -6947 Dec 18 j 11:32 | 21° $\Omega$ 43'06      |            |                     | -6944 Jun 07 j 21:11 | 0° $\text{II}$            |            |
|                     | -6947 Dec 25 j 05:15 | 0° $\text{M}$           |            | greatest brilliancy | -6944 Jun 08 j 21:52 | 0° $\text{II}$ 21'44      | -4.8m      |
| morning set         | -6946 Jan 13 j 15:29 | 23° $\text{M}$ 50'10    |            | retrograde          | -6944 Jun 18 j 16:20 | 2° $\text{II}$ 04'24      |            |
|                     | -6946 Jan 18 j 16:06 | 0° $\text{X}$           |            |                     | -6944 Jun 29 j 00:17 | 30° $\text{R}$ $\text{X}$ |            |
|                     | -6946 Feb 12 j 03:23 | 0° $\text{Z}$           |            | evening set         | -6944 Jul 04 j 17:46 | 27° $\text{X}$ 14'28      |            |
| max. Earth dist.    | -6946 Feb 19 j 13:11 | 9° $\text{Z}$ 05'22     | 1.73741 AU | inferior conj       | -6944 Jul 09 j 13:13 | 24° $\text{X}$ 25'50      | -7°21'06   |
|                     |                      |                         |            | minimum elong       | -6944 Jul 09 j 03:16 | 24° $\text{X}$ 40'48      | 7°19'02    |
| superior conj       | -6946 Feb 20 j 09:44 | 10° $\text{Z}$ 08'22    | -1°20'19   | min. Earth dist.    | -6944 Jul 09 j 14:37 | 24° $\text{X}$ 23'45      | 0.27054 AU |
| minimum elong       | -6946 Feb 20 j 13:12 | 10° $\text{Z}$ 19'01    | 1°20'46    | morning rise        | -6944 Jul 13 j 12:32 | 22° $\text{X}$ 05'14      |            |
|                     | -6946 Mar 08 j 14:08 | 0° $\approx$            |            | direct              | -6944 Jul 30 j 09:15 | 16° $\text{X}$ 43'58      |            |
| evening rise        | -6946 Mar 28 j 09:28 | 24° $\approx$ 19'34     |            | greatest brilliancy | -6944 Aug 10 j 03:47 | 18° $\text{X}$ 53'52      | -4.9m      |
|                     | -6946 Apr 02 j 00:20 | 0° $\text{H}$           |            |                     | -6944 Aug 28 j 07:48 | 0° $\text{II}$            |            |
| asc. node           | -6946 Apr 09 j 17:32 | 9° $\text{H}$ 28'44     |            | morning max el      | -6944 Sep 19 j 02:15 | 20° $\text{II}$ 05'14     | 46°48'35   |
|                     | -6946 Apr 26 j 10:25 | 0° $\text{Y}$           |            | asc. node           | -6944 Sep 24 j 16:32 | 25° $\text{II}$ 55'04     |            |
|                     | -6946 May 20 j 21:02 | 0° $\text{X}$           |            |                     | -6944 Sep 28 j 12:08 | 0° $\text{G}$             |            |
|                     | -6946 Jun 14 j 09:19 | 0° $\text{II}$          |            |                     | -6944 Oct 25 j 01:05 | 0° $\Omega$               |            |
|                     | -6946 Jul 09 j 01:29 | 0° $\text{G}$           |            |                     | -6944 Nov 19 j 08:59 | 0° $\text{M}$             |            |
| desc. node          | -6946 Jul 31 j 00:03 | 26° $\text{G}$ 20'55    |            |                     | -6944 Dec 14 j 08:26 | 0° $\Omega$               |            |
|                     | -6946 Aug 03 j 01:48 | 0° $\Omega$             |            |                     | -6943 Jan 08 j 05:57 | 0° $\text{M}$             |            |
|                     | -6946 Aug 28 j 18:53 | 0° $\text{M}$           |            | desc. node          | -6943 Jan 15 j 00:20 | 8° $\text{M}$ 09'45       |            |
|                     | -6946 Sep 25 j 04:33 | 0° $\Omega$             |            |                     | -6943 Feb 02 j 02:20 | 0° $\text{X}$             |            |
| evening max el      | -6946 Sep 26 j 16:09 | 1° $\Omega$ 31'25       | 47°29'29   |                     | -6943 Feb 26 j 20:20 | 0° $\text{Z}$             |            |
|                     | -6946 Oct 30 j 04:23 | 0° $\text{M}$           |            | morning set         | -6943 Mar 23 j 10:44 | 29° $\text{Z}$ 59'51      |            |
| greatest brilliancy | -6946 Nov 06 j 01:40 | 3° $\text{M}$ 23'32     | -4.9m      |                     | -6943 Mar 23 j 10:47 | 0° $\approx$              |            |
| retrograde          | -6946 Nov 16 j 20:24 | 5° $\text{M}$ 37'56     |            |                     | -6943 Apr 16 j 21:14 | 0° $\text{H}$             |            |
| asc. node           | -6946 Nov 20 j 11:46 | 5° $\text{M}$ 21'02     |            | max. Earth dist.    | -6943 Apr 23 j 23:14 | 8° $\text{H}$ 44'03       | 1.73215 AU |
| evening set         | -6946 Dec 01 j 20:45 | 1° $\text{M}$ 00'13     |            |                     |                      |                           |            |
|                     | -6946 Dec 03 j 13:39 | 30° $\text{R}$ $\Omega$ |            | superior conj       | -6943 Apr 27 j 21:43 | 13° $\text{H}$ 35'40      | -0°21'36   |
| min. Earth dist.    | -6946 Dec 06 j 19:53 | 27° $\Omega$ 57'45      | 0.27956 AU | minimum elong       | -6943 Apr 28 j 01:46 | 13° $\text{H}$ 48'11      | 0°21'35    |
| inferior conj       | -6946 Dec 07 j 20:01 | 27° $\Omega$ 19'14      | 4°01'30    | asc. node           | -6943 May 07 j 06:37 | 25° $\text{H}$ 11'06      |            |
| minimum elong       | -6946 Dec 07 j 12:30 | 27° $\Omega$ 31'14      | 3°59'23    |                     | -6943 May 11 j 03:53 | 0° $\text{Y}$             |            |
| morning rise        | -6946 Dec 13 j 05:12 | 24° $\Omega$ 00'31      |            | evening rise        | -6943 Jun 02 j 13:13 | 27° $\text{Y}$ 48'46      |            |
| direct              | -6946 Dec 28 j 16:05 | 19° $\Omega$ 14'46      |            |                     | -6943 Jun 04 j 07:23 | 0° $\text{X}$             |            |
| greatest brilliancy | -6945 Jan 06 j 11:23 | 20° $\Omega$ 42'09      | -4.8m      |                     | -6943 Jun 28 j 08:56 | 0° $\text{II}$            |            |
|                     | -6945 Jan 23 j 18:46 | 0° $\text{M}$           |            |                     | -6943 Jul 22 j 10:21 | 0° $\text{G}$             |            |
| morning max el      | -6945 Feb 15 j 13:18 | 19° $\text{M}$ 21'52    | 45°56'52   |                     | -6943 Aug 15 j 13:59 | 0° $\Omega$               |            |
|                     | -6945 Feb 26 j 08:24 | 0° $\text{X}$           |            | desc. node          | -6943 Aug 27 j 12:01 | 14° $\Omega$ 43'21        |            |
| desc. node          | -6945 Mar 12 j 22:18 | 15° $\text{X}$ 14'07    |            |                     | -6943 Sep 08 j 22:22 | 0° $\text{M}$             |            |
|                     | -6945 Mar 26 j 11:03 | 0° $\text{Z}$           |            |                     | -6943 Oct 03 j 14:53 | 0° $\Omega$               |            |
|                     | -6945 Apr 21 j 20:15 | 0° $\approx$            |            |                     | -6943 Oct 28 j 22:30 | 0° $\text{M}$             |            |
|                     | -6945 May 17 j 06:17 | 0° $\text{H}$           |            |                     | -6943 Nov 24 j 16:15 | 0° $\text{X}$             |            |
|                     | -6945 Jun 11 j 00:18 | 0° $\text{Y}$           |            | evening max el      | -6943 Dec 06 j 06:53 | 12° $\text{X}$ 01'43      | 45°58'57   |
| asc. node           | -6945 Jul 03 j 06:33 | 27° $\text{Y}$ 30'40    |            | asc. node           | -6943 Dec 17 j 22:20 | 23° $\text{X}$ 05'04      |            |
|                     | -6945 Jul 05 j 06:29 | 0° $\text{X}$           |            |                     | -6943 Dec 26 j 03:24 | 0° $\text{Z}$             |            |
|                     | -6945 Jul 29 j 04:33 | 0° $\text{II}$          |            | greatest brilliancy | -6942 Jan 13 j 18:22 | 11° $\text{Z}$ 21'28      | -4.7m      |
| greatest brilliancy | -6945 Aug 02 j 01:51 | 4° $\text{II}$ 54'11    | -3.9m      | retrograde          | -6942 Jan 24 j 17:05 | 13° $\text{Z}$ 34'06      |            |
| morning set         | -6945 Aug 11 j 14:42 | 16° $\text{II}$ 56'55   |            | evening set         | -6942 Feb 11 j 10:31 | 7° $\text{Z}$ 32'58       |            |
|                     | -6945 Aug 21 j 22:21 | 0° $\text{G}$           |            | inferior conj       | -6942 Feb 15 j 04:32 | 5° $\text{Z}$ 11'00       | 8°05'01    |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |            |                     |  |                      |                      |            |
|---------------------|----------------------|----------------------|------------|---------------------|--|----------------------|----------------------|------------|
| minimum elong       | -6942 Feb 15 j 06:11 | 5° $\text{Z}$ 08'22  | 8°04'30    |                     |  | -6940 Aug 05 j 18:56 | 0° $\text{G}$        |            |
| min. Earth dist.    | -6942 Feb 15 j 08:58 | 5° $\text{Z}$ 03'53  | 0.29536 AU | evening rise        |  | -6940 Aug 12 j 13:33 | 8° $\text{G}$ 32'20  |            |
| morning rise        | -6942 Feb 19 j 01:52 | 2° $\text{Z}$ 43'43  |            |                     |  | -6940 Aug 29 j 14:58 | 0° $\Omega$          |            |
|                     | -6942 Feb 23 j 22:58 | 30° $\text{R}$ 27    |            |                     |  | -6940 Sep 22 j 13:49 | 0° $\text{M}$        |            |
| direct              | -6942 Mar 08 j 23:50 | 26° $\text{Z}$ 40'39 |            | desc. node          |  | -6940 Sep 24 j 00:31 | 1° $\text{M}$ 48'15  |            |
| greatest brilliancy | -6942 Mar 18 j 19:38 | 28° $\text{Z}$ 24'31 | -4.7m      |                     |  | -6940 Oct 16 j 16:56 | 0° $\Omega$          |            |
|                     | -6942 Mar 22 j 20:12 | 0° $\text{Z}$        |            |                     |  | -6940 Nov 10 j 01:52 | 0° $\text{M}$        |            |
| desc. node          | -6942 Apr 09 j 09:15 | 11° $\text{Z}$ 07'12 |            |                     |  | -6940 Dec 04 j 19:48 | 0° $\text{Z}$        |            |
| morning max el      | -6942 Apr 26 j 21:43 | 26° $\text{Z}$ 28'10 | 45°57'27   |                     |  | -6940 Dec 30 j 06:17 | 0° $\text{Z}$        |            |
|                     | -6942 Apr 30 j 13:13 | 0° $\approx$         |            | asc. node           |  | -6939 Jan 14 j 09:22 | 17° $\text{Z}$ 11'10 |            |
|                     | -6942 May 29 j 00:29 | 0° $\text{H}$        |            |                     |  | -6939 Jan 26 j 02:55 | 0° $\approx$         |            |
|                     | -6942 Jun 24 j 03:36 | 0° $\text{Y}$        |            | evening max el      |  | -6939 Feb 15 j 03:30 | 20° $\approx$ 21'09  | 45°00'32   |
|                     | -6942 Jul 19 j 02:46 | 0° $\text{B}$        |            |                     |  | -6939 Feb 25 j 19:13 | 0° $\text{H}$        |            |
| asc. node           | -6942 Jul 30 j 19:17 | 14° $\text{B}$ 21'49 |            | greatest brilliancy |  | -6939 Mar 24 j 16:45 | 17° $\text{H}$ 19'52 | -4.7m      |
|                     | -6942 Aug 12 j 09:31 | 0° $\text{II}$       |            | retrograde          |  | -6939 Apr 04 j 04:27 | 19° $\text{H}$ 16'38 |            |
|                     | -6942 Sep 05 j 07:24 | 0° $\text{G}$        |            | evening set         |  | -6939 Apr 19 j 11:19 | 14° $\text{H}$ 51'29 |            |
|                     | -6942 Sep 29 j 02:27 | 0° $\Omega$          |            | inferior conj       |  | -6939 Apr 25 j 11:52 | 11° $\text{H}$ 19'16 | 2°34'33    |
|                     | -6942 Oct 22 j 23:02 | 0° $\text{M}$        |            | minimum elong       |  | -6939 Apr 25 j 17:16 | 11° $\text{H}$ 11'00 | 2°32'53    |
| morning set         | -6942 Oct 27 j 14:49 | 5° $\text{M}$ 50'17  |            | min. Earth dist.    |  | -6939 Apr 26 j 11:47 | 10° $\text{H}$ 42'39 | 0.28592 AU |
|                     | -6942 Nov 15 j 23:16 | 0° $\Omega$          |            | morning rise        |  | -6939 May 01 j 22:22 | 7° $\text{H}$ 31'32  |            |
| desc. node          | -6942 Nov 20 j 00:27 | 5° $\Omega$ 02'22    |            | desc. node          |  | -6939 May 06 j 19:56 | 5° $\text{H}$ 11'36  |            |
|                     |                      |                      |            | direct              |  | -6939 May 17 j 05:54 | 3° $\text{H}$ 03'49  |            |
| superior conj       | -6942 Dec 08 j 16:20 | 28° $\Omega$ 11'48   | -0°40'49   | greatest brilliancy |  | -6939 May 28 j 15:53 | 5° $\text{H}$ 24'10  | -4.8m      |
| minimum elong       | -6942 Dec 08 j 07:11 | 27° $\Omega$ 43'30   | 0°40'37    |                     |  | -6939 Jul 01 j 12:55 | 0° $\text{Y}$        |            |
|                     | -6942 Dec 10 j 03:18 | 0° $\text{M}$        |            | morning max el      |  | -6939 Jul 06 j 03:45 | 4° $\text{Y}$ 28'58  | 46°27'41   |
| max. Earth dist.    | -6942 Dec 12 j 21:30 | 3° $\text{M}$ 24'45  | 1.72581 AU |                     |  | -6939 Jul 30 j 04:23 | 0° $\text{B}$        |            |
|                     | -6941 Jan 03 j 10:18 | 0° $\text{Z}$        |            |                     |  | -6939 Aug 25 j 00:21 | 0° $\text{II}$       |            |
| evening rise        | -6941 Jan 17 j 03:33 | 16° $\text{Z}$ 53'09 |            | asc. node           |  | -6939 Aug 27 j 07:24 | 2° $\text{II}$ 44'42 |            |
|                     | -6941 Jan 27 j 19:43 | 0° $\text{Z}$        |            |                     |  | -6939 Sep 18 j 17:11 | 0° $\text{G}$        |            |
|                     | -6941 Feb 21 j 08:00 | 0° $\approx$         |            |                     |  | -6939 Oct 12 j 22:54 | 0° $\Omega$          |            |
| asc. node           | -6941 Mar 12 j 06:59 | 23° $\approx$ 03'45  |            |                     |  | -6939 Nov 06 j 02:18 | 0° $\text{M}$        |            |
|                     | -6941 Mar 18 j 00:28 | 0° $\text{H}$        |            |                     |  | -6939 Nov 30 j 07:50 | 0° $\Omega$          |            |
|                     | -6941 Apr 11 j 22:54 | 0° $\text{Y}$        |            | desc. node          |  | -6939 Dec 17 j 13:36 | 21° $\Omega$ 14'39   |            |
|                     | -6941 May 07 j 05:42 | 0° $\text{B}$        |            |                     |  | -6939 Dec 24 j 16:30 | 0° $\text{M}$        |            |
|                     | -6941 Jun 02 j 02:02 | 0° $\text{II}$       |            | morning set         |  | -6938 Jan 11 j 05:47 | 21° $\text{M}$ 32'50 |            |
|                     | -6941 Jun 29 j 02:04 | 0° $\text{G}$        |            |                     |  | -6938 Jan 18 j 03:10 | 0° $\text{Z}$        |            |
| desc. node          | -6941 Jul 02 j 15:04 | 3° $\text{G}$ 46'00  |            |                     |  | -6938 Feb 11 j 14:18 | 0° $\text{Z}$        |            |
| evening max el      | -6941 Jul 14 j 05:01 | 15° $\text{G}$ 39'50 | 47°19'57   | max. Earth dist.    |  | -6938 Feb 17 j 12:05 | 7° $\text{Z}$ 14'55  | 1.73729 AU |
|                     | -6941 Jul 29 j 12:48 | 0° $\Omega$          |            |                     |  |                      |                      |            |
| greatest brilliancy | -6941 Aug 24 j 17:47 | 16° $\Omega$ 52'40   | -4.9m      | superior conj       |  | -6938 Feb 18 j 03:26 | 8° $\text{Z}$ 01'59  | -1°20'54   |
| retrograde          | -6941 Sep 02 j 20:28 | 18° $\Omega$ 28'03   |            | minimum elong       |  | -6938 Feb 18 j 06:19 | 8° $\text{Z}$ 10'50  | 1°21'22    |
| evening set         | -6941 Sep 19 j 07:05 | 13° $\Omega$ 12'14   |            |                     |  | -6938 Mar 08 j 01:00 | 0° $\approx$         |            |
| inferior conj       | -6941 Sep 23 j 12:06 | 10° $\Omega$ 40'00   | -6°42'13   | evening rise        |  | -6938 Mar 26 j 04:39 | 22° $\approx$ 17'31  |            |
| minimum elong       | -6941 Sep 23 j 22:40 | 10° $\Omega$ 23'47   | 6°39'33    |                     |  | -6938 Apr 01 j 11:17 | 0° $\text{H}$        |            |
| min. Earth dist.    | -6941 Sep 23 j 09:20 | 10° $\Omega$ 44'15   | 0.26532 AU | asc. node           |  | -6938 Apr 08 j 19:38 | 9° $\text{H}$ 01'22  |            |
| morning rise        | -6941 Sep 28 j 14:18 | 7° $\Omega$ 38'02    |            |                     |  | -6938 Apr 25 j 21:37 | 0° $\text{Y}$        |            |
| direct              | -6941 Oct 13 j 16:09 | 3° $\Omega$ 04'02    |            |                     |  | -6938 May 20 j 08:38 | 0° $\text{B}$        |            |
| asc. node           | -6941 Oct 23 j 03:15 | 4° $\Omega$ 47'11    |            |                     |  | -6938 Jun 13 j 21:29 | 0° $\text{II}$       |            |
| greatest brilliancy | -6941 Oct 23 j 18:16 | 5° $\Omega$ 00'39    | -4.9m      |                     |  | -6938 Jul 08 j 14:26 | 0° $\text{G}$        |            |
|                     | -6941 Nov 26 j 23:19 | 0° $\text{M}$        |            | desc. node          |  | -6938 Jul 30 j 02:19 | 25° $\text{G}$ 46'17 |            |
| morning max el      | -6941 Dec 02 j 19:40 | 5° $\text{M}$ 43'41  | 46°27'40   |                     |  | -6938 Aug 02 j 15:54 | 0° $\Omega$          |            |
|                     | -6941 Dec 25 j 20:15 | 0° $\Omega$          |            |                     |  | -6938 Aug 28 j 11:10 | 0° $\text{M}$        |            |
|                     | -6940 Jan 21 j 13:41 | 0° $\text{M}$        |            | evening max el      |  | -6938 Sep 24 j 09:02 | 29° $\text{M}$ 15'39 | 47°31'31   |
| desc. node          | -6940 Feb 12 j 12:49 | 25° $\text{M}$ 22'19 |            |                     |  | -6938 Sep 25 j 02:26 | 0° $\Omega$          |            |
|                     | -6940 Feb 16 j 11:58 | 0° $\text{Z}$        |            |                     |  | -6938 Nov 01 j 05:05 | 0° $\text{M}$        |            |
|                     | -6940 Mar 12 j 22:38 | 0° $\text{Z}$        |            | greatest brilliancy |  | -6938 Nov 03 j 18:20 | 1° $\text{M}$ 06'08  | -4.9m      |
|                     | -6940 Apr 06 j 23:39 | 0° $\approx$         |            | retrograde          |  | -6938 Nov 14 j 12:45 | 3° $\text{M}$ 19'46  |            |
|                     | -6940 May 01 j 15:53 | 0° $\text{H}$        |            | asc. node           |  | -6938 Nov 19 j 13:50 | 2° $\text{M}$ 47'20  |            |
|                     | -6940 May 26 j 00:17 | 0° $\text{Y}$        |            |                     |  | -6938 Nov 27 j 03:22 | 30° $\text{R}$ 21    |            |
| morning set         | -6940 May 29 j 00:41 | 3° $\text{Y}$ 44'28  |            | evening set         |  | -6938 Nov 29 j 11:09 | 28° $\Omega$ 44'41   |            |
| asc. node           | -6940 Jun 03 j 19:39 | 10° $\text{Y}$ 56'16 |            | min. Earth dist.    |  | -6938 Dec 04 j 11:11 | 25° $\Omega$ 40'48   | 0.27880 AU |
|                     | -6940 Jun 19 j 02:11 | 0° $\text{B}$        |            | inferior conj       |  | -6938 Dec 05 j 11:33 | 25° $\Omega$ 01'54   | 3°43'27    |
| max. Earth dist.    | -6940 Jul 01 j 09:50 | 15° $\text{B}$ 26'45 | 1.71498 AU | minimum elong       |  | -6938 Dec 05 j 04:27 | 25° $\Omega$ 13'14   | 3°41'24    |
|                     |                      |                      |            | morning rise        |  | -6938 Dec 10 j 22:48 | 21° $\Omega$ 40'27   |            |
| superior conj       | -6940 Jul 04 j 22:29 | 19° $\text{B}$ 52'44 | 1°04'05    | direct              |  | -6938 Dec 26 j 07:23 | 16° $\Omega$ 58'55   |            |
| minimum elong       | -6940 Jul 04 j 13:19 | 19° $\text{B}$ 23'53 | 1°04'07    | greatest brilliancy |  | -6937 Jan 04 j 01:56 | 18° $\Omega$ 25'59   | -4.8m      |
|                     | -6940 Jul 12 j 23:33 | 0° $\text{II}$       |            |                     |  | -6937 Jan 24 j 10:45 | 0° $\text{M}$        |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                        |            |                     |                      |                               |            |
|---------------------|----------------------|------------------------|------------|---------------------|----------------------|-------------------------------|------------|
| morning max el      | -6937 Feb 13 j 04:49 | 17° $\mathbb{M}$ 09'50 | 45°57'18   |                     | -6935 Sep 08 j 11:04 | 0° $\mathbb{M}$               |            |
|                     | -6937 Feb 26 j 03:34 | 0° $\mathbb{A}$        |            |                     | -6935 Oct 03 j 04:22 | 0° $\mathbb{A}$               |            |
| desc. node          | -6937 Mar 12 j 00:25 | 14° $\mathbb{A}$ 35'39 |            |                     | -6935 Oct 28 j 13:26 | 0° $\mathbb{M}$               |            |
|                     | -6937 Mar 26 j 01:52 | 0° $\mathbb{B}$        |            |                     | -6935 Nov 24 j 10:50 | 0° $\mathbb{A}$               |            |
|                     | -6937 Apr 21 j 09:14 | 0° $\approx$           |            | evening max el      | -6935 Dec 03 j 21:27 | 9° $\mathbb{A}$ 44'19         | 46°02'20   |
|                     | -6937 May 16 j 18:22 | 0° $\mathbb{H}$        |            | asc. node           | -6935 Dec 17 j 00:42 | 22° $\mathbb{A}$ 08'47        |            |
|                     | -6937 Jun 10 j 11:53 | 0° $\mathbb{Y}$        |            |                     | -6935 Dec 26 j 15:53 | 0° $\mathbb{B}$               |            |
| asc. node           | -6937 Jul 02 j 08:46 | 27° $\mathbb{Y}$ 02'05 |            | greatest brilliancy | -6934 Jan 11 j 11:31 | 9° $\mathbb{B}$ 13'53         | -4.8m      |
|                     | -6937 Jul 04 j 17:51 | 0° $\mathbb{B}$        |            | retrograde          | -6934 Jan 22 j 10:30 | 11° $\mathbb{B}$ 27'32        |            |
|                     | -6937 Jul 28 j 15:50 | 0° $\mathbb{H}$        |            | evening set         | -6934 Feb 09 j 03:58 | 5° $\mathbb{B}$ 25'47         |            |
| greatest brilliancy | -6937 Aug 01 j 03:47 | 4° $\mathbb{H}$ 24'43  | -3.9m      | inferior conj       | -6934 Feb 12 j 22:02 | 3° $\mathbb{B}$ 03'50         | 8°06'35    |
| morning set         | -6937 Aug 09 j 02:55 | 14° $\mathbb{H}$ 28'13 |            | minimum elong       | -6934 Feb 12 j 23:01 | 3° $\mathbb{B}$ 02'16         | 8°06'07    |
|                     | -6937 Aug 21 j 09:37 | 0° $\mathbb{B}$        |            | min. Earth dist.    | -6934 Feb 13 j 01:17 | 2° $\mathbb{B}$ 58'37         | 0.29525 AU |
|                     | -6937 Sep 14 j 02:54 | 0° $\mathbb{Q}$        |            | morning rise        | -6934 Feb 16 j 18:04 | 0° $\mathbb{B}$ 38'30         |            |
|                     |                      |                        |            |                     | -6934 Feb 17 j 19:35 | 30° $\mathbb{R}$ $\mathbb{A}$ |            |
| superior conj       | -6937 Sep 18 j 15:01 | 5° $\mathbb{Q}$ 41'07  | 1°07'25    | direct              | -6934 Mar 06 j 16:18 | 24° $\mathbb{A}$ 33'32        |            |
| minimum elong       | -6937 Sep 19 j 02:09 | 6° $\mathbb{Q}$ 16'13  | 1°07'30    | greatest brilliancy | -6934 Mar 16 j 11:42 | 26° $\mathbb{A}$ 16'57        | -4.7m      |
| max. Earth dist.    | -6937 Sep 23 j 08:45 | 11° $\mathbb{Q}$ 39'40 | 1.70889 AU |                     | -6934 Mar 24 j 18:24 | 0° $\mathbb{B}$               |            |
|                     | -6937 Oct 07 j 22:35 | 0° $\mathbb{M}$        |            | desc. node          | -6934 Apr 08 j 11:22 | 10° $\mathbb{B}$ 05'31        |            |
| desc. node          | -6937 Oct 22 j 13:23 | 18° $\mathbb{M}$ 18'35 |            | morning max el      | -6934 Apr 24 j 13:48 | 24° $\mathbb{B}$ 18'17        | 45°56'48   |
| evening rise        | -6937 Oct 31 j 16:31 | 29° $\mathbb{M}$ 42'35 |            |                     | -6934 Apr 30 j 10:02 | 0° $\approx$                  |            |
|                     | -6937 Oct 31 j 22:06 | 0° $\mathbb{A}$        |            |                     | -6934 May 28 j 15:56 | 0° $\mathbb{H}$               |            |
|                     | -6937 Nov 25 j 01:44 | 0° $\mathbb{M}$        |            |                     | -6934 Jun 23 j 17:05 | 0° $\mathbb{Y}$               |            |
|                     | -6937 Dec 19 j 09:43 | 0° $\mathbb{A}$        |            |                     | -6934 Jul 18 j 15:19 | 0° $\mathbb{B}$               |            |
|                     | -6936 Jan 12 j 23:35 | 0° $\mathbb{B}$        |            | asc. node           | -6934 Jul 29 j 21:30 | 13° $\mathbb{B}$ 50'42        |            |
|                     | -6936 Feb 06 j 22:54 | 0° $\approx$           |            |                     | -6934 Aug 11 j 21:33 | 0° $\mathbb{H}$               |            |
| asc. node           | -6936 Feb 11 j 20:58 | 5° $\approx$ 49'51     |            |                     | -6934 Sep 04 j 19:10 | 0° $\mathbb{B}$               |            |
|                     | -6936 Mar 03 j 13:47 | 0° $\mathbb{H}$        |            |                     | -6934 Sep 28 j 14:04 | 0° $\mathbb{Q}$               |            |
|                     | -6936 Mar 30 j 07:21 | 0° $\mathbb{Y}$        |            |                     | -6934 Oct 22 j 10:32 | 0° $\mathbb{M}$               |            |
| evening max el      | -6936 Apr 28 j 00:56 | 29° $\mathbb{Y}$ 36'14 | 45°40'23   | morning set         | -6934 Oct 25 j 00:23 | 3° $\mathbb{M}$ 13'51         |            |
|                     | -6936 Apr 28 j 10:54 | 0° $\mathbb{B}$        |            |                     | -6934 Nov 15 j 10:40 | 0° $\mathbb{A}$               |            |
| desc. node          | -6936 Jun 03 j 06:35 | 26° $\mathbb{B}$ 45'12 |            | desc. node          | -6934 Nov 19 j 02:32 | 4° $\mathbb{A}$ 33'24         |            |
| greatest brilliancy | -6936 Jun 06 j 09:48 | 27° $\mathbb{B}$ 57'09 | -4.8m      |                     |                      |                               |            |
| retrograde          | -6936 Jun 16 j 03:51 | 29° $\mathbb{B}$ 39'41 |            | superior conj       | -6934 Dec 06 j 03:43 | 25° $\mathbb{A}$ 43'25        | -0°37'35   |
| evening set         | -6936 Jul 02 j 02:19 | 24° $\mathbb{B}$ 55'18 |            | minimum elong       | -6934 Dec 05 j 19:02 | 25° $\mathbb{A}$ 16'33        | 0°37'22    |
| inferior conj       | -6936 Jul 07 j 01:49 | 22° $\mathbb{B}$ 01'11 | -7°07'09   |                     | -6934 Dec 09 j 14:36 | 0° $\mathbb{M}$               |            |
| minimum elong       | -6936 Jul 06 j 15:35 | 22° $\mathbb{B}$ 16'33 | 7°04'56    | max. Earth dist.    | -6934 Dec 10 j 10:12 | 1° $\mathbb{M}$ 00'40         | 1.72519 AU |
| min. Earth dist.    | -6936 Jul 07 j 04:04 | 21° $\mathbb{B}$ 57'49 | 0.27088 AU |                     | -6933 Jan 02 j 21:32 | 0° $\mathbb{A}$               |            |
| morning rise        | -6936 Jul 11 j 04:32 | 19° $\mathbb{B}$ 35'30 |            | evening rise        | -6933 Jan 14 j 19:04 | 14° $\mathbb{A}$ 38'48        |            |
| direct              | -6936 Jul 27 j 22:06 | 14° $\mathbb{B}$ 18'26 |            |                     | -6933 Jan 27 j 06:57 | 0° $\mathbb{B}$               |            |
| greatest brilliancy | -6936 Aug 07 j 18:28 | 16° $\mathbb{B}$ 29'19 | -4.9m      |                     | -6933 Feb 20 j 19:23 | 0° $\approx$                  |            |
|                     | -6936 Aug 28 j 21:18 | 0° $\mathbb{H}$        |            | asc. node           | -6933 Mar 11 j 09:07 | 22° $\approx$ 35'01           |            |
| morning max el      | -6936 Sep 16 j 13:58 | 17° $\mathbb{H}$ 33'27 | 46°48'37   |                     | -6933 Mar 17 j 12:12 | 0° $\mathbb{H}$               |            |
| asc. node           | -6936 Sep 23 j 18:41 | 25° $\mathbb{H}$ 05'20 |            |                     | -6933 Apr 11 j 11:18 | 0° $\mathbb{Y}$               |            |
|                     | -6936 Sep 28 j 07:52 | 0° $\mathbb{B}$        |            |                     | -6933 May 06 j 19:14 | 0° $\mathbb{B}$               |            |
|                     | -6936 Oct 24 j 16:41 | 0° $\mathbb{Q}$        |            |                     | -6933 Jun 01 j 17:35 | 0° $\mathbb{H}$               |            |
|                     | -6936 Nov 18 j 22:45 | 0° $\mathbb{M}$        |            |                     | -6933 Jun 28 j 21:50 | 0° $\mathbb{B}$               |            |
|                     | -6936 Dec 13 j 21:09 | 0° $\mathbb{A}$        |            | desc. node          | -6933 Jul 01 j 17:21 | 2° $\mathbb{B}$ 57'59         |            |
|                     | -6935 Jan 07 j 17:58 | 0° $\mathbb{M}$        |            | evening max el      | -6933 Jul 11 j 17:59 | 13° $\mathbb{B}$ 12'50        | 47°17'20   |
| desc. node          | -6935 Jan 14 j 02:36 | 7° $\mathbb{M}$ 40'43  |            |                     | -6933 Jul 30 j 00:04 | 0° $\mathbb{Q}$               |            |
|                     | -6935 Feb 01 j 13:52 | 0° $\mathbb{A}$        |            | greatest brilliancy | -6933 Aug 22 j 06:27 | 14° $\mathbb{Q}$ 21'34        | -4.9m      |
|                     | -6935 Feb 26 j 07:34 | 0° $\mathbb{B}$        |            | retrograde          | -6933 Aug 31 j 09:05 | 15° $\mathbb{Q}$ 56'55        |            |
| morning set         | -6935 Mar 21 j 05:46 | 27° $\mathbb{B}$ 57'27 |            | evening set         | -6933 Sep 16 j 22:41 | 10° $\mathbb{Q}$ 36'17        |            |
|                     | -6935 Mar 22 j 21:50 | 0° $\approx$           |            | inferior conj       | -6933 Sep 21 j 00:22 | 8° $\mathbb{Q}$ 09'21         | -6°58'04   |
|                     | -6935 Apr 16 j 08:15 | 0° $\mathbb{H}$        |            | minimum elong       | -6933 Sep 21 j 10:51 | 7° $\mathbb{Q}$ 53'18         | 6°55'32    |
| max. Earth dist.    | -6935 Apr 21 j 19:01 | 6° $\mathbb{H}$ 43'03  | 1.73264 AU | min. Earth dist.    | -6933 Sep 20 j 22:01 | 8° $\mathbb{Q}$ 12'58         | 0.26529 AU |
|                     |                      |                        |            | morning rise        | -6933 Sep 25 j 23:04 | 5° $\mathbb{Q}$ 12'52         |            |
| superior conj       | -6935 Apr 25 j 16:59 | 11° $\mathbb{H}$ 32'58 | -0°24'28   | direct              | -6933 Oct 11 j 04:40 | 0° $\mathbb{Q}$ 33'34         |            |
| minimum elong       | -6935 Apr 25 j 21:31 | 11° $\mathbb{H}$ 46'57 | 0°24'27    | greatest brilliancy | -6933 Oct 21 j 07:26 | 2° $\mathbb{Q}$ 31'22         | -4.9m      |
| asc. node           | -6935 May 06 j 08:40 | 24° $\mathbb{H}$ 43'14 |            | asc. node           | -6933 Oct 22 j 05:26 | 2° $\mathbb{Q}$ 52'32         |            |
|                     | -6935 May 10 j 14:57 | 0° $\mathbb{Y}$        |            |                     | -6933 Nov 27 j 00:54 | 0° $\mathbb{M}$               |            |
| evening rise        | -6935 May 31 j 07:35 | 25° $\mathbb{Y}$ 41'48 |            | morning max el      | -6933 Nov 30 j 10:08 | 3° $\mathbb{M}$ 21'03         | 46°28'52   |
|                     | -6935 Jun 03 j 18:36 | 0° $\mathbb{B}$        |            |                     | -6933 Dec 25 j 13:36 | 0° $\mathbb{A}$               |            |
|                     | -6935 Jun 27 j 20:22 | 0° $\mathbb{H}$        |            |                     | -6932 Jan 21 j 04:06 | 0° $\mathbb{M}$               |            |
|                     | -6935 Jul 21 j 22:07 | 0° $\mathbb{B}$        |            | desc. node          | -6932 Feb 11 j 14:51 | 24° $\mathbb{M}$ 49'54        |            |
|                     | -6935 Aug 15 j 02:09 | 0° $\mathbb{Q}$        |            |                     | -6932 Feb 16 j 00:55 | 0° $\mathbb{A}$               |            |
| desc. node          | -6935 Aug 26 j 14:08 | 14° $\mathbb{Q}$ 11'45 |            |                     | -6932 Mar 12 j 10:43 | 0° $\mathbb{B}$               |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 95

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |            |            |                     |                      |            |            |
|---------------------|----------------------|------------|------------|---------------------|----------------------|------------|------------|
|                     | -6932 Apr 06 j 11:13 | 0°♊        |            | retrograde          | -6930 Nov 12 j 04:29 | 0°♌59'49   |            |
|                     | -6932 May 01 j 03:10 | 0°♋        |            | asc. node           | -6930 Nov 18 j 16:12 | 0°♌06'20   |            |
|                     | -6932 May 25 j 11:26 | 0°♍        |            |                     | -6930 Nov 19 j 01:09 | 30°♌♂      |            |
| morning set         | -6932 May 26 j 18:49 | 1°♍37'17   |            | evening set         | -6930 Nov 27 j 01:29 | 26°♌♂27'25 |            |
| asc. node           | -6932 Jun 02 j 21:55 | 10°♍28'37  |            | min. Earth dist.    | -6930 Dec 02 j 02:41 | 23°♌♂21'47 | 0.27800 AU |
|                     | -6932 Jun 18 j 13:21 | 0°♌        |            | inferior conj       | -6930 Dec 03 j 02:52 | 22°♌♂43'08 | 3°24'52    |
| max. Earth dist.    | -6932 Jun 28 j 22:30 | 13°♌00'37  | 1.71559 AU | minimum elong       | -6930 Dec 02 j 20:15 | 22°♌♂53'44 | 3°22'54    |
|                     |                      |            |            | morning rise        | -6930 Dec 08 j 16:05 | 19°♌♂18'54 |            |
| superior conj       | -6932 Jul 02 j 14:12 | 17°♌35'58  | 1°01'52    | direct              | -6930 Dec 23 j 22:07 | 14°♌♂41'45 |            |
| minimum elong       | -6932 Jul 02 j 05:01 | 17°♌07'05  | 1°01'53    | greatest brilliancy | -6929 Jan 01 j 16:41 | 16°♌♂08'51 | -4.8m      |
|                     | -6932 Jul 12 j 10:50 | 0°♌        |            |                     | -6929 Jan 24 j 22:59 | 0°♌        |            |
|                     | -6932 Aug 05 j 06:22 | 0°♌♂       |            | morning max el      | -6929 Feb 10 j 19:10 | 14°♌♌54'31 | 45°57'54   |
| evening rise        | -6932 Aug 10 j 01:01 | 6°♌♂01'11  |            |                     | -6929 Feb 25 j 22:18 | 0°♌♂       |            |
|                     | -6932 Aug 29 j 02:32 | 0°♌♂       |            | desc. node          | -6929 Mar 11 j 02:34 | 13°♌♂57'30 |            |
|                     | -6932 Sep 22 j 01:32 | 0°♌♂       |            |                     | -6929 Mar 25 j 16:30 | 0°♌♂       |            |
| desc. node          | -6932 Sep 23 j 02:32 | 1°♌♂17'59  |            |                     | -6929 Apr 20 j 22:09 | 0°♌♂       |            |
|                     | -6932 Oct 16 j 04:52 | 0°♌♂       |            |                     | -6929 May 16 j 06:23 | 0°♌♂       |            |
|                     | -6932 Nov 09 j 14:07 | 0°♌♌       |            |                     | -6929 Jun 09 j 23:27 | 0°♌♂       |            |
|                     | -6932 Dec 04 j 08:41 | 0°♌♂       |            | asc. node           | -6929 Jul 01 j 10:58 | 26°♌♂33'37 |            |
| asc. node           | -6932 Dec 29 j 20:27 | 0°♌♂       |            |                     | -6929 Jul 04 j 05:11 | 0°♌♂       |            |
|                     | -6931 Jan 13 j 11:36 | 16°♌♂34'10 |            |                     | -6929 Jul 28 j 03:04 | 0°♌♌       |            |
|                     | -6931 Jan 25 j 20:15 | 0°♌♂       |            | greatest brilliancy | -6929 Jul 31 j 05:43 | 3°♌♌55'24  | -3.9m      |
| evening max el      | -6931 Feb 12 j 19:54 | 18°♌♌11'56 | 45°01'03   | morning set         | -6929 Aug 06 j 15:40 | 12°♌♌01'26 |            |
|                     | -6931 Feb 26 j 01:03 | 0°♌♂       |            |                     | -6929 Aug 20 j 20:49 | 0°♌♂       |            |
| greatest brilliancy | -6931 Mar 22 j 07:57 | 15°♌♂09'52 | -4.7m      |                     | -6929 Sep 13 j 14:09 | 0°♌♌       |            |
| retrograde          | -6931 Apr 01 j 20:07 | 17°♌♂06'41 |            |                     |                      |            |            |
| evening set         | -6931 Apr 17 j 05:00 | 12°♌♂38'51 |            | superior conj       | -6929 Sep 16 j 00:34 | 3°♌♌04'22  | 1°09'39    |
| inferior conj       | -6931 Apr 23 j 03:40 | 9°♌♂08'26  | 2°52'56    | minimum elong       | -6929 Sep 16 j 11:17 | 3°♌♌38'10  | 1°09'48    |
| minimum elong       | -6931 Apr 23 j 09:36 | 8°♌♂59'18  | 2°51'08    | max. Earth dist.    | -6929 Sep 20 j 09:53 | 8°♌♌36'25  | 1.70862 AU |
| min. Earth dist.    | -6931 Apr 24 j 03:31 | 8°♌♂31'48  | 0.28649 AU |                     | -6929 Oct 07 j 09:54 | 0°♌♌       |            |
| morning rise        | -6931 Apr 29 j 13:28 | 5°♌♂21'14  |            | desc. node          | -6929 Oct 21 j 15:33 | 17°♌♌49'56 |            |
| desc. node          | -6931 May 05 j 22:06 | 2°♌♂28'06  |            | evening rise        | -6929 Oct 29 j 00:55 | 27°♌♌03'43 |            |
| direct              | -6931 May 14 j 22:48 | 0°♌♂52'12  |            |                     | -6929 Oct 31 j 09:28 | 0°♌♂       |            |
| greatest brilliancy | -6931 May 26 j 06:55 | 3°♌♂10'53  | -4.8m      |                     | -6929 Nov 24 j 13:08 | 0°♌♌       |            |
|                     | -6931 Jul 01 j 12:48 | 0°♌♂       |            |                     | -6929 Dec 18 j 21:13 | 0°♌♂       |            |
| morning max el      | -6931 Jul 03 j 19:17 | 2°♌♂13'20  | 46°26'20   |                     | -6928 Jan 12 j 11:21 | 0°♌♂       |            |
|                     | -6931 Jul 29 j 21:00 | 0°♌♂       |            |                     | -6928 Feb 06 j 11:18 | 0°♌♂       |            |
|                     | -6931 Aug 24 j 14:34 | 0°♌♌       |            | asc. node           | -6928 Feb 10 j 23:05 | 5°♌♌18'59  |            |
| asc. node           | -6931 Aug 26 j 09:31 | 2°♌♌08'49  |            |                     | -6928 Mar 03 j 03:30 | 0°♌♂       |            |
|                     | -6931 Sep 18 j 06:17 | 0°♌♂       |            |                     | -6928 Mar 29 j 23:53 | 0°♌♂       |            |
|                     | -6931 Oct 12 j 11:21 | 0°♌♌       |            | evening max el      | -6928 Apr 25 j 13:39 | 27°♌♌15'04 | 45°37'31   |
|                     | -6931 Nov 05 j 14:19 | 0°♌♌       |            |                     | -6928 Apr 28 j 11:33 | 0°♌♂       |            |
|                     | -6931 Nov 29 j 19:31 | 0°♌♂       |            | desc. node          | -6928 Jun 02 j 08:55 | 25°♌♌00'26 |            |
| desc. node          | -6931 Dec 16 j 15:50 | 20°♌♌46'11 |            | greatest brilliancy | -6928 Jun 03 j 21:51 | 25°♌♌33'44 | -4.8m      |
|                     | -6931 Dec 24 j 03:54 | 0°♌♌       |            | retrograde          | -6928 Jun 13 j 15:57 | 27°♌♌16'39 |            |
| morning set         | -6930 Jan 08 j 19:57 | 19°♌♌14'33 |            | evening set         | -6928 Jun 29 j 11:14 | 22°♌♌37'11 |            |
|                     | -6930 Jan 17 j 14:22 | 0°♌♂       |            | inferior conj       | -6928 Jul 04 j 14:40 | 19°♌♌38'03 | -6°52'32   |
|                     | -6930 Feb 11 j 01:21 | 0°♌♂       |            | minimum elong       | -6928 Jul 04 j 04:14 | 19°♌♌53'43 | 6°50'11    |
|                     |                      |            |            | min. Earth dist.    | -6928 Jul 04 j 17:47 | 19°♌♌33'23 | 0.27123 AU |
| superior conj       | -6930 Feb 15 j 21:10 | 5°♌♌55'15  | -1°21'23   | morning rise        | -6928 Jul 08 j 20:50 | 17°♌♌07'29 |            |
| minimum elong       | -6930 Feb 15 j 23:27 | 6°♌♌02'14  | 1°21'51    | direct              | -6928 Jul 25 j 11:01 | 11°♌♌54'15 |            |
| max. Earth dist.    | -6930 Feb 15 j 11:07 | 5°♌♌24'25  | 1.73713 AU | greatest brilliancy | -6928 Aug 05 j 09:36 | 14°♌♌06'43 | -4.9m      |
|                     | -6930 Mar 07 j 12:01 | 0°♌♂       |            |                     | -6928 Aug 29 j 07:00 | 0°♌♌       |            |
| evening rise        | -6930 Mar 24 j 00:01 | 20°♌♌15'35 |            | morning max el      | -6928 Sep 14 j 02:25 | 15°♌♌04'23 | 46°48'38   |
|                     | -6930 Mar 31 j 22:23 | 0°♌♂       |            | asc. node           | -6928 Sep 22 j 20:55 | 24°♌♌17'22 |            |
| asc. node           | -6930 Apr 07 j 21:46 | 8°♌♂33'41  |            |                     | -6928 Sep 28 j 02:47 | 0°♌♂       |            |
|                     | -6930 Apr 25 j 08:56 | 0°♌♂       |            |                     | -6928 Oct 24 j 07:52 | 0°♌♌       |            |
|                     | -6930 May 19 j 20:21 | 0°♌♂       |            |                     | -6928 Nov 18 j 12:17 | 0°♌♌       |            |
|                     | -6930 Jun 13 j 09:45 | 0°♌♌       |            |                     | -6928 Dec 13 j 09:43 | 0°♌♂       |            |
|                     | -6930 Jul 08 j 03:30 | 0°♌♂       |            | desc. node          | -6927 Jan 07 j 05:54 | 0°♌♌       |            |
| desc. node          | -6930 Jul 29 j 04:24 | 25°♌♌10'30 |            |                     | -6927 Jan 13 j 04:37 | 7°♌♌11'11  |            |
|                     | -6930 Aug 02 j 06:17 | 0°♌♌       |            |                     | -6927 Feb 01 j 01:18 | 0°♌♂       |            |
|                     | -6930 Aug 28 j 03:58 | 0°♌♌       |            |                     | -6927 Feb 25 j 18:39 | 0°♌♂       |            |
| evening max el      | -6930 Sep 22 j 01:11 | 26°♌♌56'55 | 47°33'13   | morning set         | -6927 Mar 19 j 00:37 | 25°♌♌54'55 |            |
|                     | -6930 Sep 25 j 01:33 | 0°♌♂       |            |                     | -6927 Mar 22 j 08:44 | 0°♌♂       |            |
| greatest brilliancy | -6930 Nov 01 j 11:30 | 28°♌♌47'51 | -4.9m      |                     | -6927 Apr 15 j 19:05 | 0°♌♂       |            |
|                     | -6930 Nov 05 j 02:03 | 0°♌♌       |            | max. Earth dist.    | -6927 Apr 19 j 16:56 | 4°♌♌49'13  | 1.73309 AU |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 96

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                     |  |                      |                           |            |
|---------------------|----------------------|---------------------------|------------|---------------------|--|----------------------|---------------------------|------------|
| superior conj       | -6927 Apr 23 j 12:17 | 9° $\text{H}$ 30'58       | -0°27'18   |                     |  | -6925 Sep 29 j 02:42 | 30° $\text{R}$ $\text{E}$ |            |
| minimum elong       | -6927 Apr 23 j 17:17 | 9° $\text{H}$ 46'24       | 0°27'17    | direct              |  | -6925 Oct 08 j 17:34 | 28° $\text{E}$ 04'16      |            |
| asc. node           | -6927 May 05 j 10:55 | 24° $\text{H}$ 16'36      |            |                     |  | -6925 Oct 18 j 17:29 | 0° $\Omega$               |            |
|                     | -6927 May 10 j 01:50 | 0° $\text{Y}$             |            | greatest brilliancy |  | -6925 Oct 18 j 19:58 | 0° $\Omega$ 02'18         | -4.9m      |
| evening rise        | -6927 May 29 j 02:16 | 23° $\text{Y}$ 36'27      |            | asc. node           |  | -6925 Oct 21 j 07:42 | 1° $\Omega$ 03'29         |            |
|                     | -6927 Jun 03 j 05:38 | 0° $\text{B}$             |            |                     |  | -6925 Nov 27 j 00:48 | 0° $\text{M}$             |            |
|                     | -6927 Jun 27 j 07:38 | 0° $\text{II}$            |            | morning max el      |  | -6925 Nov 28 j 00:38 | 0° $\text{M}$ 59'34       | 46°30'06   |
|                     | -6927 Jul 21 j 09:41 | 0° $\text{E}$             |            |                     |  | -6925 Dec 25 j 06:11 | 0° $\text{E}$             |            |
|                     | -6927 Aug 14 j 14:06 | 0° $\Omega$               |            |                     |  | -6924 Jan 20 j 17:58 | 0° $\text{M}$             |            |
| desc. node          | -6927 Aug 25 j 16:15 | 13° $\Omega$ 40'53        |            | desc. node          |  | -6924 Feb 10 j 16:58 | 24° $\text{M}$ 18'59      |            |
|                     | -6927 Sep 07 j 23:31 | 0° $\text{M}$             |            |                     |  | -6924 Feb 15 j 13:25 | 0° $\text{A}$             |            |
|                     | -6927 Oct 02 j 17:37 | 0° $\text{E}$             |            |                     |  | -6924 Mar 11 j 22:26 | 0° $\text{B}$             |            |
|                     | -6927 Oct 28 j 04:15 | 0° $\text{M}$             |            |                     |  | -6924 Apr 05 j 22:27 | 0° $\approx$              |            |
|                     | -6927 Nov 24 j 05:38 | 0° $\text{A}$             |            |                     |  | -6924 Apr 30 j 14:07 | 0° $\text{H}$             |            |
| evening max el      | -6927 Dec 01 j 12:36 | 7° $\text{A}$ 28'53       | 46°05'35   | morning set         |  | -6924 May 24 j 12:58 | 29° $\text{H}$ 31'12      |            |
| asc. node           | -6927 Dec 16 j 02:55 | 21° $\text{A}$ 11'20      |            |                     |  | -6924 May 24 j 22:16 | 0° $\text{Y}$             |            |
|                     | -6927 Dec 27 j 08:28 | 0° $\text{B}$             |            | asc. node           |  | -6924 Jun 02 j 00:03 | 10° $\text{Y}$ 01'34      |            |
| greatest brilliancy | -6926 Jan 09 j 04:12 | 7° $\text{B}$ 05'48       | -4.8m      |                     |  | -6924 Jun 18 j 00:10 | 0° $\text{B}$             |            |
| retrograde          | -6926 Jan 20 j 04:18 | 9° $\text{B}$ 20'59       |            | max. Earth dist.    |  | -6924 Jun 26 j 09:56 | 10° $\text{B}$ 31'53      | 1.71618 AU |
| evening set         | -6926 Feb 06 j 21:05 | 3° $\text{B}$ 18'52       |            |                     |  |                      |                           |            |
| inferior conj       | -6926 Feb 10 j 15:24 | 0° $\text{B}$ 56'36       | 8°07'34    | superior conj       |  | -6924 Jun 30 j 06:03 | 15° $\text{B}$ 20'51      | 0°59'34    |
| minimum elong       | -6926 Feb 10 j 15:43 | 0° $\text{B}$ 56'06       | 8°07'06    | minimum elong       |  | -6924 Jun 29 j 20:54 | 14° $\text{B}$ 52'08      | 0°59'33    |
| min. Earth dist.    | -6926 Feb 10 j 17:12 | 0° $\text{B}$ 53'44       | 0.29511 AU |                     |  | -6924 Jul 11 j 21:45 | 0° $\text{II}$            |            |
|                     | -6926 Feb 12 j 02:50 | 30° $\text{R}$ $\text{A}$ |            |                     |  | -6924 Aug 04 j 17:26 | 0° $\text{E}$             |            |
| morning rise        | -6926 Feb 14 j 10:24 | 28° $\text{A}$ 33'01      |            | evening rise        |  | -6924 Aug 07 j 12:45 | 3° $\text{E}$ 31'59       |            |
| direct              | -6926 Mar 04 j 08:54 | 22° $\text{A}$ 26'27      |            |                     |  | -6924 Aug 28 j 13:46 | 0° $\Omega$               |            |
| greatest brilliancy | -6926 Mar 14 j 03:16 | 24° $\text{A}$ 09'13      | -4.7m      |                     |  | -6924 Sep 21 j 12:57 | 0° $\text{M}$             |            |
|                     | -6926 Mar 26 j 01:27 | 0° $\text{B}$             |            | desc. node          |  | -6924 Sep 22 j 04:44 | 0° $\text{M}$ 49'12       |            |
| desc. node          | -6926 Apr 07 j 13:34 | 9° $\text{B}$ 05'54       |            |                     |  | -6924 Oct 15 j 16:30 | 0° $\text{E}$             |            |
| morning max el      | -6926 Apr 22 j 06:36 | 22° $\text{B}$ 10'58      | 45°56'16   |                     |  | -6924 Nov 09 j 02:06 | 0° $\text{M}$             |            |
|                     | -6926 Apr 30 j 05:56 | 0° $\approx$              |            |                     |  | -6924 Dec 03 j 21:15 | 0° $\text{A}$             |            |
|                     | -6926 May 28 j 06:53 | 0° $\text{H}$             |            |                     |  | -6924 Dec 29 j 10:20 | 0° $\text{B}$             |            |
|                     | -6926 Jun 23 j 06:10 | 0° $\text{Y}$             |            | asc. node           |  | -6923 Jan 12 j 13:42 | 15° $\text{B}$ 57'35      |            |
|                     | -6926 Jul 18 j 03:30 | 0° $\text{B}$             |            |                     |  | -6923 Jan 25 j 13:32 | 0° $\approx$              |            |
| asc. node           | -6926 Jul 28 j 23:31 | 13° $\text{B}$ 19'59      |            | evening max el      |  | -6923 Feb 10 j 11:49 | 16° $\approx$ 02'29       | 45°01'30   |
|                     | -6926 Aug 11 j 09:16 | 0° $\text{II}$            |            |                     |  | -6923 Feb 26 j 08:41 | 0° $\text{H}$             |            |
|                     | -6926 Sep 04 j 06:38 | 0° $\text{E}$             |            | greatest brilliancy |  | -6923 Mar 19 j 23:44 | 13° $\text{H}$ 01'26      | -4.7m      |
|                     | -6926 Sep 28 j 01:22 | 0° $\Omega$               |            | retrograde          |  | -6923 Mar 30 j 11:21 | 14° $\text{H}$ 57'42      |            |
|                     | -6926 Oct 21 j 21:42 | 0° $\text{M}$             |            | evening set         |  | -6923 Apr 14 j 22:46 | 10° $\text{H}$ 27'03      |            |
| morning set         | -6926 Oct 22 j 10:23 | 0° $\text{M}$ 39'45       |            | inferior conj       |  | -6923 Apr 20 j 19:30 | 6° $\text{H}$ 58'41       | 3°11'01    |
|                     | -6926 Nov 14 j 21:42 | 0° $\text{E}$             |            | minimum elong       |  | -6923 Apr 21 j 01:57 | 6° $\text{H}$ 48'45       | 3°09'06    |
| desc. node          | -6926 Nov 18 j 04:44 | 4° $\text{E}$ 05'58       |            | min. Earth dist.    |  | -6923 Apr 21 j 19:35 | 6° $\text{H}$ 21'35       | 0.28706 AU |
|                     |                      |                           |            | morning rise        |  | -6923 Apr 27 j 04:24 | 3° $\text{H}$ 12'02       |            |
| superior conj       | -6926 Dec 03 j 15:08 | 23° $\text{E}$ 16'07      | -0°34'17   |                     |  | -6923 May 04 j 10:55 | 30° $\text{R}$ $\approx$  |            |
| minimum elong       | -6926 Dec 03 j 06:59 | 22° $\text{E}$ 50'52      | 0°34'03    | desc. node          |  | -6923 May 05 j 00:23 | 29° $\approx$ 49'39       |            |
| max. Earth dist.    | -6926 Dec 07 j 23:43 | 28° $\text{E}$ 40'02      | 1.72461 AU | direct              |  | -6923 May 12 j 15:14 | 28° $\approx$ 41'34       |            |
|                     | -6926 Dec 09 j 01:33 | 0° $\text{M}$             |            |                     |  | -6923 May 21 j 01:54 | 0° $\text{H}$             |            |
|                     | -6925 Jan 02 j 08:27 | 0° $\text{A}$             |            | greatest brilliancy |  | -6923 May 23 j 22:15 | 0° $\text{H}$ 58'45       | -4.8m      |
| evening rise        | -6925 Jan 12 j 10:32 | 12° $\text{A}$ 25'14      |            |                     |  | -6923 Jul 01 j 11:24 | 0° $\text{Y}$             |            |
|                     | -6925 Jan 26 j 17:55 | 0° $\text{B}$             |            | morning max el      |  | -6923 Jul 01 j 10:04 | 29° $\text{H}$ 56'42      | 46°25'05   |
|                     | -6925 Feb 20 j 06:30 | 0° $\approx$              |            |                     |  | -6923 Jul 29 j 13:00 | 0° $\text{B}$             |            |
| asc. node           | -6925 Mar 10 j 11:17 | 22° $\approx$ 07'11       |            |                     |  | -6923 Aug 24 j 04:19 | 0° $\text{II}$            |            |
|                     | -6925 Mar 16 j 23:41 | 0° $\text{H}$             |            | asc. node           |  | -6923 Aug 25 j 11:46 | 1° $\text{II}$ 34'31      |            |
|                     | -6925 Apr 10 j 23:26 | 0° $\text{Y}$             |            |                     |  | -6923 Sep 17 j 18:57 | 0° $\text{E}$             |            |
|                     | -6925 May 06 j 08:32 | 0° $\text{B}$             |            |                     |  | -6923 Oct 11 j 23:24 | 0° $\Omega$               |            |
|                     | -6925 Jun 01 j 08:58 | 0° $\text{II}$            |            |                     |  | -6923 Nov 05 j 01:59 | 0° $\text{M}$             |            |
|                     | -6925 Jun 28 j 17:45 | 0° $\text{E}$             |            |                     |  | -6923 Nov 29 j 06:53 | 0° $\text{E}$             |            |
| desc. node          | -6925 Jun 30 j 19:25 | 2° $\text{E}$ 09'42       |            | desc. node          |  | -6923 Dec 15 j 17:50 | 20° $\text{E}$ 17'52      |            |
| evening max el      | -6925 Jul 09 j 07:48 | 10° $\text{E}$ 49'16      | 47°14'35   |                     |  | -6923 Dec 23 j 15:02 | 0° $\text{M}$             |            |
|                     | -6925 Jul 30 j 14:21 | 0° $\Omega$               |            | morning set         |  | -6922 Jan 06 j 10:05 | 16° $\text{M}$ 56'59      |            |
| greatest brilliancy | -6925 Aug 19 j 18:31 | 11° $\Omega$ 51'02        | -4.9m      |                     |  | -6922 Jan 17 j 01:17 | 0° $\text{A}$             |            |
| retrograde          | -6925 Aug 28 j 21:55 | 13° $\Omega$ 26'41        |            |                     |  | -6922 Feb 10 j 12:07 | 0° $\text{B}$             |            |
| evening set         | -6925 Sep 14 j 14:18 | 8° $\Omega$ 01'23         |            |                     |  |                      |                           |            |
| inferior conj       | -6925 Sep 18 j 12:34 | 5° $\Omega$ 39'36         | -7°13'11   | superior conj       |  | -6922 Feb 13 j 14:57 | 3° $\text{B}$ 49'32       | -1°21'45   |
| minimum elong       | -6925 Sep 18 j 22:54 | 5° $\Omega$ 23'50         | 7°10'48    | minimum elong       |  | -6922 Feb 13 j 16:35 | 3° $\text{B}$ 54'32       | 1°22'12    |
| min. Earth dist.    | -6925 Sep 18 j 10:16 | 5° $\Omega$ 43'07         | 0.26526 AU | max. Earth dist.    |  | -6922 Feb 13 j 09:12 | 3° $\text{B}$ 31'54       | 1.73694 AU |
| morning rise        | -6925 Sep 23 j 07:34 | 2° $\Omega$ 48'49         |            |                     |  | -6922 Mar 06 j 22:45 | 0° $\approx$              |            |



Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.




































































































































|                     |                      |                                |            |                     |                      |                                |            |  |
|---------------------|----------------------|--------------------------------|------------|---------------------|----------------------|--------------------------------|------------|--|
| evening rise        | -6922 Mar 21 j 19:21 | 18° $\approx$ 14'27            |            |                     | -6920 Sep 27 j 21:21 | 0° $\ominus$                   |            |  |
|                     | -6922 Mar 31 j 09:14 | 0° $\text{H}$                  |            |                     | -6920 Oct 23 j 22:56 | 0° $\Omega$                    |            |  |
| asc. node           | -6922 Apr 07 j 00:01 | 8° $\text{H}$ 07'12            |            |                     | -6920 Nov 18 j 01:45 | 0° $\text{M}$                  |            |  |
|                     | -6922 Apr 24 j 20:03 | 0° $\text{Y}$                  |            |                     | -6920 Dec 12 j 22:14 | 0° $\underline{\Omega}$        |            |  |
|                     | -6922 May 19 j 07:52 | 0° $\text{B}$                  |            |                     | -6919 Jan 06 j 17:46 | 0° $\text{M}$                  |            |  |
|                     | -6922 Jun 12 j 21:51 | 0° $\text{II}$                 |            | desc. node          | -6919 Jan 12 j 06:43 | 6° $\text{M}$ 41'55            |            |  |
|                     | -6922 Jul 07 j 16:27 | 0° $\ominus$                   |            |                     | -6919 Jan 31 j 12:44 | 0° $\text{A}$                  |            |  |
| desc. node          | -6922 Jul 28 j 06:32 | 24° $\ominus$ 35'21            |            |                     | -6919 Feb 25 j 05:47 | 0° $\text{B}$                  |            |  |
|                     | -6922 Aug 01 j 20:33 | 0° $\Omega$                    |            | morning set         | -6919 Mar 16 j 19:24 | 23° $\text{B}$ 52'01           |            |  |
|                     | -6922 Aug 27 j 20:47 | 0° $\text{M}$                  |            |                     | -6919 Mar 21 j 19:41 | 0° $\approx$                   |            |  |
| evening max el      | -6922 Sep 19 j 16:05 | 24° $\text{M}$ 35'40           | 47°34'49   |                     | -6919 Apr 15 j 05:57 | 0° $\text{H}$                  |            |  |
|                     | -6922 Sep 25 j 01:22 | 0° $\underline{\Omega}$        |            | max. Earth dist.    | -6919 Apr 17 j 16:09 | 2° $\text{H}$ 59'19            | 1.73348 AU |  |
| greatest brilliancy | -6922 Oct 30 j 04:57 | 26° $\underline{\Omega}$ 30'10 | -4.9m      |                     |                      |                                |            |  |
| retrograde          | -6922 Nov 09 j 19:41 | 28° $\underline{\Omega}$ 40'02 |            | superior conj       | -6919 Apr 21 j 07:38 | 7° $\text{H}$ 29'04            | -0°30'06   |  |
| asc. node           | -6922 Nov 17 j 18:24 | 27° $\underline{\Omega}$ 20'08 |            | minimum elong       | -6919 Apr 21 j 13:05 | 7° $\text{H}$ 45'52            | 0°30'04    |  |
| evening set         | -6922 Nov 24 j 15:49 | 24° $\underline{\Omega}$ 09'56 |            | asc. node           | -6919 May 04 j 13:02 | 23° $\text{H}$ 49'30           |            |  |
| min. Earth dist.    | -6922 Nov 29 j 18:26 | 21° $\underline{\Omega}$ 02'21 | 0.27723 AU |                     | -6919 May 09 j 12:45 | 0° $\text{Y}$                  |            |  |
| inferior conj       | -6922 Nov 30 j 18:05 | 20° $\underline{\Omega}$ 24'32 | 3°05'38    | evening rise        | -6919 May 26 j 21:07 | 21° $\text{Y}$ 31'40           |            |  |
| minimum elong       | -6922 Nov 30 j 11:58 | 20° $\underline{\Omega}$ 34'19 | 3°03'48    |                     | -6919 Jun 02 j 16:42 | 0° $\text{B}$                  |            |  |
| morning rise        | -6922 Dec 06 j 09:09 | 16° $\underline{\Omega}$ 57'33 |            |                     | -6919 Jun 26 j 18:58 | 0° $\text{II}$                 |            |  |
| direct              | -6922 Dec 21 j 12:14 | 12° $\underline{\Omega}$ 24'31 |            |                     | -6919 Jul 20 j 21:22 | 0° $\ominus$                   |            |  |
| greatest brilliancy | -6922 Dec 30 j 07:58 | 13° $\underline{\Omega}$ 52'17 | -4.8m      |                     | -6919 Aug 14 j 02:13 | 0° $\Omega$                    |            |  |
|                     | -6921 Jan 25 j 07:53 | 0° $\text{M}$                  |            | desc. node          | -6919 Aug 24 j 18:26 | 13° $\Omega$ 09'40             |            |  |
| morning max el      | -6921 Feb 08 j 08:53 | 12° $\text{M}$ 37'55           | 45°58'42   |                     | -6919 Sep 07 j 12:12 | 0° $\text{M}$                  |            |  |
|                     | -6921 Feb 25 j 16:23 | 0° $\text{A}$                  |            |                     | -6919 Oct 02 j 07:10 | 0° $\underline{\Omega}$        |            |  |
| desc. node          | -6921 Mar 10 j 04:46 | 13° $\text{A}$ 20'21           |            |                     | -6919 Oct 27 j 19:28 | 0° $\text{M}$                  |            |  |
|                     | -6921 Mar 25 j 06:47 | 0° $\text{B}$                  |            |                     | -6919 Nov 24 j 01:11 | 0° $\text{A}$                  |            |  |
|                     | -6921 Apr 20 j 10:46 | 0° $\approx$                   |            | evening max el      | -6919 Nov 29 j 04:25 | 5° $\text{A}$ 14'29            | 46°09'03   |  |
|                     | -6921 May 15 j 18:12 | 0° $\text{H}$                  |            | asc. node           | -6919 Dec 15 j 05:00 | 20° $\text{A}$ 11'43           |            |  |
|                     | -6921 Jun 09 j 10:51 | 0° $\text{Y}$                  |            |                     | -6919 Dec 28 j 07:24 | 0° $\text{B}$                  |            |  |
| asc. node           | -6921 Jun 30 j 13:01 | 26° $\text{Y}$ 05'01           |            | greatest brilliancy | -6918 Jan 06 j 20:34 | 4° $\text{B}$ 56'40            | -4.8m      |  |
|                     | -6921 Jul 03 j 16:24 | 0° $\text{B}$                  |            | retrograde          | -6918 Jan 17 j 22:18 | 7° $\text{B}$ 13'25            |            |  |
|                     | -6921 Jul 27 j 14:12 | 0° $\text{II}$                 |            | evening set         | -6918 Feb 04 j 13:53 | 1° $\text{B}$ 11'19            |            |  |
| greatest brilliancy | -6921 Jul 30 j 09:21 | 3° $\text{II}$ 31'42           | -3.9m      |                     | -6918 Feb 06 j 11:40 | 30° $\text{B}$ 11'19           |            |  |
| morning set         | -6921 Aug 04 j 04:16 | 9° $\text{II}$ 34'24           |            | inferior conj       | -6918 Feb 08 j 08:38 | 28° $\text{A}$ 48'20           | 8°07'58    |  |
|                     | -6921 Aug 20 j 07:57 | 0° $\ominus$                   |            | minimum elong       | -6918 Feb 08 j 08:18 | 28° $\text{A}$ 48'52           | 8°07'30    |  |
|                     |                      |                                |            | min. Earth dist.    | -6918 Feb 08 j 08:41 | 28° $\text{A}$ 48'15           | 0.29493 AU |  |
| superior conj       | -6921 Sep 13 j 10:01 | 0° $\Omega$ 27'29              | 1°11'45    | morning rise        | -6918 Feb 12 j 02:48 | 26° $\text{A}$ 26'08           |            |  |
| minimum elong       | -6921 Sep 13 j 20:14 | 0° $\Omega$ 59'44              | 1°11'56    | direct              | -6918 Mar 02 j 01:50 | 20° $\text{A}$ 18'27           |            |  |
|                     | -6921 Sep 13 j 01:18 | 0° $\Omega$                    |            | greatest brilliancy | -6918 Mar 11 j 18:05 | 21° $\text{A}$ 59'56           | -4.7m      |  |
| max. Earth dist.    | -6921 Sep 17 j 08:21 | 5° $\Omega$ 25'09              | 1.70836 AU |                     | -6918 Mar 27 j 00:14 | 0° $\text{B}$                  |            |  |
|                     | -6921 Oct 06 j 21:05 | 0° $\text{M}$                  |            | desc. node          | -6918 Apr 06 j 15:47 | 8° $\text{B}$ 07'02            |            |  |
| desc. node          | -6921 Oct 20 j 17:41 | 17° $\text{M}$ 21'38           |            | morning max el      | -6918 Apr 19 j 23:55 | 20° $\text{B}$ 04'23           | 45°55'48   |  |
| evening rise        | -6921 Oct 26 j 09:08 | 24° $\text{M}$ 24'36           |            |                     | -6918 Apr 30 j 01:28 | 0° $\approx$                   |            |  |
|                     | -6921 Oct 30 j 20:42 | 0° $\underline{\Omega}$        |            |                     | -6918 May 27 j 21:49 | 0° $\text{H}$                  |            |  |
|                     | -6921 Nov 24 j 00:25 | 0° $\text{M}$                  |            |                     | -6918 Jun 22 j 19:18 | 0° $\text{Y}$                  |            |  |
|                     | -6921 Dec 18 j 08:38 | 0° $\text{A}$                  |            |                     | -6918 Jul 17 j 15:45 | 0° $\text{B}$                  |            |  |
|                     | -6920 Jan 11 j 23:05 | 0° $\text{B}$                  |            | asc. node           | -6918 Jul 28 j 01:48 | 12° $\text{B}$ 49'45           |            |  |
|                     | -6920 Feb 05 j 23:42 | 0° $\approx$                   |            |                     | -6918 Aug 10 j 21:06 | 0° $\text{II}$                 |            |  |
| asc. node           | -6920 Feb 10 j 01:20 | 4° $\approx$ 48'37             |            |                     | -6918 Sep 03 j 18:15 | 0° $\ominus$                   |            |  |
|                     | -6920 Mar 02 j 17:14 | 0° $\text{H}$                  |            |                     | -6918 Sep 27 j 12:54 | 0° $\Omega$                    |            |  |
|                     | -6920 Mar 29 j 16:36 | 0° $\text{Y}$                  |            | morning set         | -6918 Oct 19 j 20:00 | 28° $\Omega$ 03'34             |            |  |
| evening max el      | -6920 Apr 23 j 02:29 | 24° $\text{Y}$ 54'47           | 45°34'45   |                     | -6918 Oct 21 j 09:08 | 0° $\text{M}$                  |            |  |
|                     | -6920 Apr 28 j 13:20 | 0° $\text{B}$                  |            |                     | -6918 Nov 14 j 09:02 | 0° $\underline{\Omega}$        |            |  |
| desc. node          | -6920 Jun 01 j 10:55 | 23° $\text{B}$ 11'17           |            | desc. node          | -6918 Nov 17 j 06:45 | 3° $\underline{\Omega}$ 37'00  |            |  |
| greatest brilliancy | -6920 Jun 01 j 09:11 | 23° $\text{B}$ 09'49           | -4.8m      |                     |                      |                                |            |  |
| retrograde          | -6920 Jun 11 j 04:22 | 24° $\text{B}$ 53'51           |            | superior conj       | -6918 Dec 01 j 01:49 | 20° $\underline{\Omega}$ 45'30 | -0°30'49   |  |
| evening set         | -6920 Jun 26 j 20:14 | 20° $\text{B}$ 18'40           |            | minimum elong       | -6918 Nov 30 j 18:18 | 20° $\underline{\Omega}$ 22'11 | 0°30'37    |  |
| inferior conj       | -6920 Jul 02 j 03:25 | 17° $\text{B}$ 14'46           | -6°37'08   | max. Earth dist.    | -6918 Dec 05 j 14:05 | 26° $\underline{\Omega}$ 21'06 | 1.72401 AU |  |
| minimum elong       | -6920 Jul 01 j 16:52 | 17° $\text{B}$ 30'33           | 6°34'40    |                     | -6918 Dec 08 j 12:47 | 0° $\text{M}$                  |            |  |
| min. Earth dist.    | -6920 Jul 02 j 07:12 | 17° $\text{B}$ 09'06           | 0.27166 AU |                     | -6917 Jan 01 j 19:38 | 0° $\text{A}$                  |            |  |
| morning rise        | -6920 Jul 06 j 13:05 | 14° $\text{B}$ 39'27           |            | evening rise        | -6917 Jan 10 j 01:31 | 10° $\text{A}$ 09'19           |            |  |
| direct              | -6920 Jul 23 j 00:18 | 9° $\text{B}$ 29'45            |            |                     | -6917 Jan 26 j 05:08 | 0° $\text{B}$                  |            |  |
| greatest brilliancy | -6920 Aug 03 j 00:33 | 11° $\text{B}$ 43'49           | -4.9m      |                     | -6917 Feb 19 j 17:53 | 0° $\approx$                   |            |  |
|                     | -6920 Aug 29 j 14:14 | 0° $\text{II}$                 |            | asc. node           | -6917 Mar 09 j 13:30 | 21° $\approx$ 38'38            |            |  |
| morning max el      | -6920 Sep 11 j 15:52 | 12° $\text{II}$ 37'43          | 46°48'37   |                     | -6917 Mar 16 j 11:28 | 0° $\text{H}$                  |            |  |
| asc. node           | -6920 Sep 21 j 23:10 | 23° $\text{II}$ 29'49          |            |                     | -6917 Apr 10 j 11:55 | 0° $\text{Y}$                  |            |  |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |           |            |                     |                      |           |            |
|---------------------|----------------------|-----------|------------|---------------------|----------------------|-----------|------------|
|                     | -6917 May 05 j 22:14 | 0°♄       |            |                     | -6915 Oct 11 j 11:40 | 0°♌       |            |
|                     | -6917 Jun 01 j 00:49 | 0°♊       |            |                     | -6915 Nov 04 j 13:52 | 0°♍       |            |
|                     | -6917 Jun 28 j 14:31 | 0°♎       |            |                     | -6915 Nov 28 j 18:30 | 0°♎       |            |
| desc. node          | -6917 Jun 29 j 21:37 | 1°♎20'27  |            | desc. node          | -6915 Dec 14 j 19:56 | 19°♎49'01 |            |
| evening max el      | -6917 Jul 06 j 22:00 | 8°♎26'13  | 47°11'46   |                     | -6915 Dec 23 j 02:26 | 0°♍       |            |
|                     | -6917 Jul 31 j 09:34 | 0°♌       |            | morning set         | -6914 Jan 03 j 23:59 | 14°♍37'40 |            |
| greatest brilliancy | -6917 Aug 17 j 06:28 | 9°♌20'08  | -4.9m      |                     | -6914 Jan 16 j 12:29 | 0°♊       |            |
| retrograde          | -6917 Aug 26 j 10:37 | 10°♌55'46 |            |                     | -6914 Feb 09 j 23:12 | 0°♋       |            |
| evening set         | -6917 Sep 12 j 05:56 | 5°♌26'05  |            |                     |                      |           |            |
| inferior conj       | -6917 Sep 16 j 00:46 | 3°♌09'14  | -7°27'26   | superior conj       | -6914 Feb 11 j 08:26 | 1°♋41'56  | -1°21'59   |
| minimum elong       | -6917 Sep 16 j 10:52 | 2°♌53'50  | 7°25'10    | minimum elong       | -6914 Feb 11 j 09:24 | 1°♋44'54  | 1°22'27    |
| min. Earth dist.    | -6917 Sep 15 j 22:29 | 3°♌12'45  | 0.26527 AU | max. Earth dist.    | -6914 Feb 11 j 05:00 | 1°♋31'24  | 1.73674 AU |
| morning rise        | -6917 Sep 20 j 15:54 | 0°♌24'09  |            |                     | -6914 Mar 06 j 09:48 | 0°♌       |            |
|                     | -6917 Sep 21 j 09:17 | 30°♌♎     |            | evening rise        | -6914 Mar 19 j 14:21 | 16°♌11'20 |            |
| direct              | -6917 Oct 06 j 06:33 | 25°♎34'29 |            |                     | -6914 Mar 30 j 20:24 | 0°♌       |            |
| greatest brilliancy | -6917 Oct 16 j 08:23 | 27°♎32'08 | -4.9m      | asc. node           | -6914 Apr 06 j 02:05 | 7°♌39'09  |            |
| asc. node           | -6917 Oct 20 j 09:55 | 29°♎17'47 |            |                     | -6914 Apr 24 j 07:29 | 0°♍       |            |
|                     | -6917 Oct 21 j 19:04 | 0°♌       |            |                     | -6914 May 18 j 19:44 | 0°♄       |            |
| morning max el      | -6917 Nov 25 j 14:36 | 28°♌35'24 | 46°31'05   |                     | -6914 Jun 12 j 10:20 | 0°♊       |            |
|                     | -6917 Nov 27 j 00:08 | 0°♍       |            |                     | -6914 Jul 07 j 05:49 | 0°♎       |            |
|                     | -6917 Dec 24 j 22:54 | 0°♎       |            | desc. node          | -6914 Jul 27 j 08:48 | 23°♎59'19 |            |
|                     | -6916 Jan 20 j 08:08 | 0°♍       |            |                     | -6914 Aug 01 j 11:19 | 0°♌       |            |
| desc. node          | -6916 Feb 09 j 19:13 | 23°♍47'27 |            |                     | -6914 Aug 27 j 14:15 | 0°♍       |            |
|                     | -6916 Feb 15 j 02:14 | 0°♊       |            | evening max el      | -6914 Sep 17 j 06:24 | 22°♍12'10 | 47°36'27   |
|                     | -6916 Mar 11 j 10:27 | 0°♋       |            |                     | -6914 Sep 25 j 02:34 | 0°♎       |            |
|                     | -6916 Apr 05 j 09:59 | 0°♌       |            | greatest brilliancy | -6914 Oct 27 j 22:25 | 24°♎11'56 | -4.9m      |
|                     | -6916 Apr 30 j 01:23 | 0°♌       |            | retrograde          | -6914 Nov 07 j 10:53 | 26°♎20'02 |            |
| morning set         | -6916 May 22 j 07:07 | 27°♌24'11 |            | asc. node           | -6914 Nov 16 j 20:29 | 24°♎28'40 |            |
|                     | -6916 May 24 j 09:25 | 0°♍       |            | evening set         | -6914 Nov 22 j 06:22 | 21°♎51'41 |            |
| asc. node           | -6916 Jun 01 j 02:05 | 9°♍33'12  |            | min. Earth dist.    | -6914 Nov 27 j 10:21 | 18°♎42'28 | 0.27648 AU |
|                     | -6916 Jun 17 j 11:21 | 0°♄       |            | inferior conj       | -6914 Nov 28 j 09:23 | 18°♎05'41 | 2°46'05    |
| max. Earth dist.    | -6916 Jun 23 j 20:25 | 7°♄59'15  | 1.71677 AU | minimum elong       | -6914 Nov 28 j 03:49 | 18°♎14'34 | 2°44'24    |
|                     |                      |           |            | morning rise        | -6914 Dec 04 j 02:14 | 14°♎36'11 |            |
| superior conj       | -6916 Jun 27 j 22:12 | 13°♄05'49 | 0°57'11    | direct              | -6914 Dec 19 j 02:03 | 10°♎06'48 |            |
| minimum elong       | -6916 Jun 27 j 13:08 | 12°♄37'23 | 0°57'08    | greatest brilliancy | -6914 Dec 27 j 23:36 | 11°♎35'46 | -4.8m      |
|                     | -6916 Jul 11 j 09:00 | 0°♊       |            |                     | -6913 Jan 25 j 14:32 | 0°♍       |            |
|                     | -6916 Aug 04 j 04:47 | 0°♎       |            | morning max el      | -6913 Feb 05 j 23:08 | 10°♍21'51 | 45°59'25   |
| evening rise        | -6916 Aug 05 j 01:00 | 1°♎03'39  |            |                     | -6913 Feb 25 j 10:17 | 0°♊       |            |
|                     | -6916 Aug 28 j 01:16 | 0°♌       |            | desc. node          | -6913 Mar 09 j 06:53 | 12°♊42'35 |            |
| desc. node          | -6916 Sep 21 j 06:52 | 0°♍19'25  |            |                     | -6913 Mar 24 j 21:10 | 0°♋       |            |
|                     | -6916 Sep 21 j 00:38 | 0°♍       |            |                     | -6913 Apr 19 j 23:37 | 0°♌       |            |
|                     | -6916 Oct 15 j 04:27 | 0°♎       |            |                     | -6913 May 15 j 06:14 | 0°♌       |            |
|                     | -6916 Nov 08 j 14:25 | 0°♍       |            |                     | -6913 Jun 08 j 22:29 | 0°♍       |            |
|                     | -6916 Dec 03 j 10:16 | 0°♊       |            | asc. node           | -6913 Jun 29 j 15:13 | 25°♍36'20 |            |
|                     | -6916 Dec 29 j 00:47 | 0°♋       |            |                     | -6913 Jul 03 j 03:49 | 0°♄       |            |
| asc. node           | -6915 Jan 11 j 16:01 | 15°♋20'03 |            |                     | -6913 Jul 27 j 01:32 | 0°♊       |            |
|                     | -6915 Jan 25 j 07:40 | 0°♌       |            | greatest brilliancy | -6913 Jul 29 j 11:00 | 3°♊01'07  | -3.9m      |
| evening max el      | -6915 Feb 08 j 02:53 | 13°♌49'41 | 45°02'09   | morning set         | -6913 Aug 01 j 16:57 | 7°♊07'04  |            |
|                     | -6915 Feb 26 j 19:48 | 0°♌       |            |                     | -6913 Aug 19 j 19:18 | 0°♎       |            |
| greatest brilliancy | -6915 Mar 17 j 15:48 | 10°♌52'11 | -4.7m      |                     |                      |           |            |
| retrograde          | -6915 Mar 28 j 02:22 | 12°♌47'55 |            | superior conj       | -6913 Sep 10 j 19:35 | 27°♎50'14 | 1°13'42    |
| evening set         | -6915 Apr 12 j 16:38 | 8°♌14'02  |            | minimum elong       | -6913 Sep 11 j 05:12 | 28°♎20'35 | 1°13'54    |
| inferior conj       | -6915 Apr 18 j 11:25 | 4°♌48'06  | 3°28'44    |                     | -6913 Sep 12 j 12:41 | 0°♌       |            |
| minimum elong       | -6915 Apr 18 j 18:19 | 4°♌37'26  | 3°26'43    | max. Earth dist.    | -6913 Sep 14 j 07:56 | 2°♌16'28  | 1.70815 AU |
| min. Earth dist.    | -6915 Apr 19 j 11:57 | 4°♌10'10  | 0.28763 AU |                     | -6913 Oct 06 j 08:30 | 0°♍       |            |
| morning rise        | -6915 Apr 24 j 19:13 | 1°♌02'10  |            | desc. node          | -6913 Oct 19 j 19:42 | 16°♍52'19 |            |
|                     | -6915 Apr 26 j 18:47 | 30°♌♌     |            | evening rise        | -6913 Oct 23 j 17:28 | 21°♍45'11 |            |
| desc. node          | -6915 May 04 j 02:27 | 27°♌14'50 |            |                     | -6913 Oct 30 j 08:06 | 0°♎       |            |
| direct              | -6915 May 10 j 07:10 | 26°♌29'53 |            |                     | -6913 Nov 23 j 11:51 | 0°♍       |            |
| greatest brilliancy | -6915 May 21 j 14:06 | 28°♌46'13 | -4.8m      |                     | -6913 Dec 17 j 20:11 | 0°♊       |            |
|                     | -6915 May 24 j 11:30 | 0°♌       |            |                     | -6912 Jan 11 j 10:57 | 0°♋       |            |
| morning max el      | -6915 Jun 29 j 00:33 | 27°♌38'19 | 46°23'55   |                     | -6912 Feb 05 j 12:17 | 0°♌       |            |
|                     | -6915 Jul 01 j 09:35 | 0°♍       |            | asc. node           | -6912 Feb 09 j 03:30 | 4°♌17'29  |            |
|                     | -6915 Jul 29 j 05:09 | 0°♄       |            |                     | -6912 Mar 02 j 07:16 | 0°♌       |            |
|                     | -6915 Aug 23 j 18:16 | 0°♊       |            |                     | -6912 Mar 29 j 09:51 | 0°♍       |            |
| asc. node           | -6915 Aug 24 j 13:56 | 0°♊59'13  |            | evening max el      | -6912 Apr 20 j 16:26 | 22°♍36'52 | 45°32'07   |
|                     | -6915 Sep 17 j 07:50 | 0°♎       |            |                     | -6912 Apr 28 j 16:50 | 0°♄       |            |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 99

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |  |            |                     |                      |   |            |
|---------------------|----------------------|--|------------|---------------------|----------------------|---|------------|
| greatest brilliancy | -6912 May 29 j 20:08 | 20°  45'25      | -4.8m      | desc. node          | -6910 Nov 16 j 08:51 | 3°  08'40          |            |
| desc. node          | -6912 May 31 j 13:09 | 21°  17'44      |            |                     |                      |   |            |
| retrograde          | -6912 Jun 08 j 17:24 | 22°  31'02      |            | superior conj       | -6910 Nov 28 j 12:19 | 18°  14'27         | -0°27'18   |
| evening set         | -6912 Jun 24 j 05:32 | 17°  59'56      |            | minimum elong       | -6910 Nov 28 j 05:31 | 17°  53'19         | 0°27'05    |
| inferior conj       | -6912 Jun 29 j 16:15 | 14°  51'23      | -6°20'59   | max. Earth dist.    | -6910 Dec 03 j 05:41 | 24°  06'02         | 1.72339 AU |
| minimum elong       | -6912 Jun 29 j 05:41 | 15°  07'10      | 6°18'26    |                     | -6910 Dec 07 j 23:56 | 0°  00             |            |
| min. Earth dist.    | -6912 Jun 29 j 20:24 | 14°  45'11      | 0.27208 AU |                     | -6909 Jan 01 j 06:43 | 0°  00             |            |
| morning rise        | -6912 Jul 04 j 05:25 | 12°  11'24      |            | evening rise        | -6909 Jan 07 j 16:24 | 7°  05'32          |            |
| direct              | -6912 Jul 20 j 14:12 | 7°  05'21       |            |                     | -6909 Jan 25 j 16:13 | 0°  00             |            |
| greatest brilliancy | -6912 Jul 31 j 14:59 | 9°  20'17       | -4.9m      |                     | -6909 Feb 19 j 05:07 | 0°  00             |            |
|                     | -6912 Aug 29 j 19:29 | 0°  00          |            | asc. node           | -6909 Mar 08 j 15:37 | 21°  00'20         |            |
| morning max el      | -6912 Sep 09 j 06:18 | 10°  13'27      | 46°48'26   |                     | -6909 Mar 15 j 23:03 | 0°  00             |            |
| asc. node           | -6912 Sep 21 j 01:18 | 22°  14'21      |            |                     | -6909 Apr 10 j 00:15 | 0°  00             |            |
|                     | -6912 Sep 27 j 15:38 | 0°  00          |            |                     | -6909 May 05 j 11:50 | 0°  00             |            |
|                     | -6912 Oct 23 j 13:58 | 0°  00          |            |                     | -6909 May 31 j 16:47 | 0°  00             |            |
|                     | -6912 Nov 17 j 15:14 | 0°  00          |            |                     | -6909 Jun 28 j 11:54 | 0°  00             |            |
|                     | -6912 Dec 12 j 10:47 | 0°  00          |            | desc. node          | -6909 Jun 28 j 23:53 | 0°  00             |            |
|                     | -6911 Jan 06 j 05:40 | 0°  00          |            | evening max el      | -6909 Jul 04 j 11:57 | 6°  02'45          | 47°08'37   |
| desc. node          | -6911 Jan 11 j 08:57 | 6°  13'01       |            |                     | -6909 Aug 01 j 11:25 | 0°  00             |            |
|                     | -6911 Jan 31 j 00:10 | 0°  00          |            | greatest brilliancy | -6909 Aug 14 j 18:53 | 6°  04'46          | -4.9m      |
|                     | -6911 Feb 24 j 16:55 | 0°  00          |            | retrograde          | -6909 Aug 23 j 22:46 | 8°  02'43          |            |
| morning set         | -6911 Mar 14 j 14:21 | 21°  34'34      |            | evening set         | -6909 Sep 09 j 21:23 | 2°  00'57          |            |
|                     | -6911 Mar 21 j 06:39 | 0°  00          |            | inferior conj       | -6909 Sep 13 j 12:51 | 0°  00             | -7°40'40   |
|                     | -6911 Apr 14 j 16:53 | 0°  00          |            | minimum elong       | -6909 Sep 13 j 22:36 | 0°  00             | 7°38'36    |
| max. Earth dist.    | -6911 Apr 15 j 15:33 | 1°  09'48       | 1.73389 AU | min. Earth dist.    | -6909 Sep 13 j 10:54 | 0°  00             | 0.26527 AU |
|                     |                      |  |            |                     | -6909 Sep 14 j 14:22 | 30°  00            |            |
| superior conj       | -6911 Apr 19 j 03:03 | 5°  09'12       | -0°32'51   | morning rise        | -6909 Sep 17 j 23:55 | 27°  00'30         |            |
| minimum elong       | -6911 Apr 19 j 08:54 | 5°  09'15       | 0°32'49    | direct              | -6909 Oct 03 j 19:01 | 23°  00'43         |            |
| asc. node           | -6911 May 03 j 15:06 | 23°  00'00      |            | greatest brilliancy | -6909 Oct 13 j 21:04 | 25°  00'17         | -4.9m      |
|                     | -6911 May 08 j 23:44 | 0°  00         |            | asc. node           | -6909 Oct 19 j 12:03 | 27°  00'06        |            |
| evening rise        | -6911 May 24 j 15:59 | 19°  00'44    |            |                     | -6909 Oct 23 j 14:50 | 0°  00           |            |
|                     | -6911 Jun 02 j 03:50 | 0°  00        |            | morning max el      | -6909 Nov 23 j 03:26 | 26°  00'38       | 46°32'06   |
|                     | -6911 Jun 26 j 06:22 | 0°  00        |            |                     | -6909 Nov 26 j 22:21 | 0°  00           |            |
|                     | -6911 Jul 20 j 09:07 | 0°  00        |            |                     | -6909 Dec 24 j 15:08 | 0°  00           |            |
|                     | -6911 Aug 13 j 14:25 | 0°  00        |            |                     | -6908 Jan 19 j 21:57 | 0°  00           |            |
| desc. node          | -6911 Aug 23 j 20:33 | 12°  00'37'59 |            | desc. node          | -6908 Feb 08 j 21:13 | 23°  00'15'56    |            |
|                     | -6911 Sep 07 j 00:59 | 0°  00        |            |                     | -6908 Feb 14 j 14:45 | 0°  00           |            |
|                     | -6911 Oct 01 j 20:51 | 0°  00        |            |                     | -6908 Mar 10 j 22:11 | 0°  00           |            |
|                     | -6911 Oct 27 j 10:54 | 0°  00        |            |                     | -6908 Apr 04 j 21:13 | 0°  00           |            |
|                     | -6911 Nov 23 j 21:18 | 0°  00        |            |                     | -6908 Apr 29 j 12:19 | 0°  00           |            |
| evening max el      | -6911 Nov 26 j 21:19 | 3°  02'45     | 46°12'34   | morning set         | -6908 May 20 j 01:38 | 25°  00'19'19    |            |
| asc. node           | -6911 Dec 14 j 07:22 | 19°  00'11'28 |            |                     | -6908 May 23 j 20:16 | 0°  00           |            |
|                     | -6911 Dec 29 j 15:19 | 0°  00        |            | asc. node           | -6908 May 31 j 04:21 | 9°  00'06'33     |            |
| greatest brilliancy | -6910 Jan 04 j 13:27 | 2°  00'48'34  | -4.8m      |                     | -6908 Jun 16 j 22:14 | 0°  00           |            |
| retrograde          | -6910 Jan 15 j 16:30 | 5°  00'06'20  |            | max. Earth dist.    | -6908 Jun 21 j 09:14 | 5°  00'34'57     | 1.71745 AU |
|                     | -6910 Jan 31 j 17:57 | 30°  00'00    |            |                     |                      |   |            |
| evening set         | -6910 Feb 02 j 06:40 | 29°  00'04'59 |            | superior conj       | -6908 Jun 25 j 14:41 | 10°  00'52'46    | 0°54'44    |
| inferior conj       | -6910 Feb 06 j 02:03 | 26°  00'40'48 | 8°07'39    | minimum elong       | -6908 Jun 25 j 05:45 | 10°  00'52'47    | 0°54'40    |
| minimum elong       | -6910 Feb 06 j 01:04 | 26°  00'42'22 | 8°07'11    |                     | -6908 Jul 10 j 20:01 | 0°  00           |            |
| min. Earth dist.    | -6910 Feb 06 j 00:13 | 26°  00'43'43 | 0.29466 AU | evening rise        | -6908 Aug 02 j 13:31 | 28°  00'11'36'48 |            |
| morning rise        | -6910 Feb 09 j 19:37 | 24°  00'19'33 |            |                     | -6908 Aug 03 j 15:57 | 0°  00           |            |
| direct              | -6910 Feb 27 j 19:12 | 18°  00'11'34 |            |                     | -6908 Aug 27 j 12:36 | 0°  00           |            |
| greatest brilliancy | -6910 Mar 09 j 08:30 | 19°  00'51'01 | -4.7m      | desc. node          | -6908 Sep 20 j 08:53 | 29°  00'00'49'50 |            |
|                     | -6910 Mar 27 j 16:46 | 0°  00        |            |                     | -6908 Sep 20 j 12:09 | 0°  00           |            |
| desc. node          | -6910 Apr 05 j 17:53 | 7°  00'09'50  |            |                     | -6908 Oct 14 j 16:13 | 0°  00           |            |
| morning max el      | -6910 Apr 17 j 17:07 | 17°  00'58'11 | 45°55'10   |                     | -6908 Nov 08 j 02:34 | 0°  00           |            |
|                     | -6910 Apr 29 j 20:17 | 0°  00        |            |                     | -6908 Dec 02 j 23:06 | 0°  00           |            |
|                     | -6910 May 27 j 12:28 | 0°  00        |            |                     | -6908 Dec 28 j 15:08 | 0°  00           |            |
|                     | -6910 Jun 22 j 08:17 | 0°  00        |            | asc. node           | -6907 Jan 10 j 18:11 | 14°  00'34'23'30 |            |
|                     | -6910 Jul 17 j 03:57 | 0°  00        |            |                     | -6907 Jan 25 j 01:57 | 0°  00           |            |
| asc. node           | -6910 Jul 27 j 03:58 | 12°  00'19'20 |            | evening max el      | -6907 Feb 05 j 17:28 | 11°  00'00'36'28 | 45°03'01   |
|                     | -6910 Aug 10 j 08:52 | 0°  00        |            |                     | -6907 Feb 27 j 10:08 | 0°  00           |            |
|                     | -6910 Sep 03 j 05:48 | 0°  00        |            | greatest brilliancy | -6907 Mar 15 j 07:45 | 8°  00'00'44'01  | -4.7m      |
|                     | -6910 Sep 27 j 00:19 | 0°  00        |            | retrograde          | -6907 Mar 25 j 17:42 | 10°  00'00'39'55 |            |
| morning set         | -6910 Oct 17 j 05:38 | 25°  00'02'36 |            | evening set         | -6907 Apr 10 j 10:45 | 6°  00'00'02'23  |            |
|                     | -6910 Oct 20 j 20:26 | 0°  00        |            | inferior conj       | -6907 Apr 16 j 03:33 | 2°  00'00'39'12  | 3°45'55    |
|                     | -6910 Nov 13 j 20:15 | 0°  00        |            | minimum elong       | -6907 Apr 16 j 10:52 | 2°  00'00'27'52  | 3°43'49    |

## Planetary Phenomena of Venus from -7400 through -6898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 100

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                      |            |                     |  |                      |                           |            |
|---------------------|----------------------|----------------------|------------|---------------------|--|----------------------|---------------------------|------------|
| min. Earth dist.    | -6907 Apr 17 j 04:37 | 2° $\text{H}$ 00'23  | 0.28817 AU |                     |  | -6905 Oct 05 j 19:37 | 0° $\text{M}$             |            |
|                     | -6907 Apr 20 j 12:04 | 30° $\text{R}$       |            | desc. node          |  | -6905 Oct 18 j 21:53 | 16° $\text{M}$ 24'19      |            |
| morning rise        | -6907 Apr 22 j 10:07 | 28° $\approx$ 54'26  |            | evening rise        |  | -6905 Oct 21 j 01:41 | 19° $\text{M}$ 06'11      |            |
| desc. node          | -6907 May 03 j 04:37 | 24° $\approx$ 46'26  |            |                     |  | -6905 Oct 29 j 19:17 | 0° $\text{L}$             |            |
| direct              | -6907 May 07 j 23:04 | 24° $\approx$ 19'50  |            |                     |  | -6905 Nov 22 j 23:05 | 0° $\text{M}$             |            |
| greatest brilliancy | -6907 May 19 j 06:31 | 26° $\approx$ 36'09  | -4.8m      |                     |  | -6905 Dec 17 j 07:34 | 0° $\text{J}$             |            |
|                     | -6907 May 26 j 08:59 | 0° $\text{H}$        |            |                     |  | -6904 Jan 10 j 22:42 | 0° $\text{Z}$             |            |
| morning max el      | -6907 Jun 26 j 15:20 | 25° $\text{H}$ 22'13 | 46°22'46   |                     |  | -6904 Feb 05 j 00:46 | 0° $\approx$              |            |
|                     | -6907 Jul 01 j 06:26 | 0° $\text{Y}$        |            | asc. node           |  | -6904 Feb 08 j 05:37 | 3° $\approx$ 46'33        |            |
|                     | -6907 Jul 28 j 20:38 | 0° $\text{B}$        |            |                     |  | -6904 Mar 01 j 21:15 | 0° $\text{H}$             |            |
|                     | -6907 Aug 23 j 07:47 | 0° $\text{II}$       |            |                     |  | -6904 Mar 29 j 03:16 | 0° $\text{Y}$             |            |
| asc. node           | -6907 Aug 23 j 16:02 | 0° $\text{II}$ 24'53 |            | evening max el      |  | -6904 Apr 18 j 07:12 | 20° $\text{Y}$ 21'40      | 45°29'35   |
|                     | -6907 Sep 16 j 20:24 | 0° $\text{G}$        |            |                     |  | -6904 Apr 28 j 21:50 | 0° $\text{B}$             |            |
|                     | -6907 Oct 10 j 23:42 | 0° $\Omega$          |            | greatest brilliancy |  | -6904 May 27 j 07:08 | 18° $\text{B}$ 22'08      | -4.8m      |
|                     | -6907 Nov 04 j 01:32 | 0° $\text{M}$        |            | desc. node          |  | -6904 May 30 j 15:27 | 19° $\text{B}$ 20'31      |            |
|                     | -6907 Nov 28 j 05:54 | 0° $\text{L}$        |            | retrograde          |  | -6904 Jun 06 j 06:36 | 20° $\text{B}$ 09'05      |            |
| desc. node          | -6907 Dec 13 j 22:09 | 19° $\text{L}$ 21'20 |            | evening set         |  | -6904 Jun 21 j 15:07 | 15° $\text{B}$ 42'10      |            |
|                     | -6907 Dec 22 j 13:34 | 0° $\text{M}$        |            | inferior conj       |  | -6904 Jun 27 j 05:06 | 12° $\text{B}$ 29'02      | -6°04'15   |
| morning set         | -6906 Jan 01 j 13:19 | 12° $\text{M}$ 17'15 |            | minimum elong       |  | -6904 Jun 26 j 18:36 | 12° $\text{B}$ 44'44      | 6°01'39    |
|                     | -6906 Jan 15 j 23:26 | 0° $\text{J}$        |            | min. Earth dist.    |  | -6904 Jun 27 j 09:29 | 12° $\text{B}$ 22'29      | 0.27245 AU |
|                     |                      |                      |            | morning rise        |  | -6904 Jul 01 j 21:40 | 9° $\text{B}$ 44'25       |            |
| superior conj       | -6906 Feb 09 j 01:39 | 29° $\text{J}$ 34'18 | -1°22'07   | direct              |  | -6904 Jul 18 j 04:27 | 4° $\text{B}$ 42'16       |            |
| minimum elong       | -6906 Feb 09 j 01:56 | 29° $\text{J}$ 35'13 | 1°22'35    | greatest brilliancy |  | -6904 Jul 29 j 04:48 | 6° $\text{B}$ 57'09       | -4.9m      |
| max. Earth dist.    | -6906 Feb 08 j 23:30 | 29° $\text{J}$ 27'43 | 1.73654 AU |                     |  | -6904 Aug 29 j 22:30 | 0° $\text{II}$            |            |
|                     | -6906 Feb 09 j 10:01 | 0° $\text{Z}$        |            | morning max el      |  | -6904 Sep 06 j 20:46 | 7° $\text{II}$ 50'30      | 46°48'16   |
|                     | -6906 Mar 05 j 20:36 | 0° $\approx$         |            | asc. node           |  | -6904 Sep 20 j 03:31 | 21° $\text{II}$ 56'47     |            |
| evening rise        | -6906 Mar 17 j 09:20 | 14° $\approx$ 08'59  |            |                     |  | -6904 Sep 27 j 09:06 | 0° $\text{G}$             |            |
|                     | -6906 Mar 30 j 07:18 | 0° $\text{H}$        |            |                     |  | -6904 Oct 23 j 04:29 | 0° $\Omega$               |            |
| asc. node           | -6906 Apr 05 j 04:13 | 7° $\text{H}$ 12'08  |            |                     |  | -6904 Nov 17 j 04:21 | 0° $\text{M}$             |            |
|                     | -6906 Apr 23 j 18:38 | 0° $\text{Y}$        |            |                     |  | -6904 Dec 11 j 23:04 | 0° $\text{L}$             |            |
|                     | -6906 May 18 j 07:17 | 0° $\text{B}$        |            |                     |  | -6903 Jan 05 j 17:22 | 0° $\text{M}$             |            |
|                     | -6906 Jun 11 j 22:28 | 0° $\text{II}$       |            | desc. node          |  | -6903 Jan 10 j 10:57 | 5° $\text{M}$ 43'54       |            |
|                     | -6906 Jul 06 j 18:52 | 0° $\text{G}$        |            |                     |  | -6903 Jan 30 j 11:28 | 0° $\text{J}$             |            |
| desc. node          | -6906 Jul 26 j 10:51 | 23° $\text{G}$ 23'35 |            |                     |  | -6903 Feb 24 j 03:55 | 0° $\text{Z}$             |            |
|                     | -6906 Aug 01 j 01:52 | 0° $\Omega$          |            | morning set         |  | -6903 Mar 12 j 08:51 | 19° $\text{Z}$ 46'14      |            |
|                     | -6906 Aug 27 j 07:46 | 0° $\text{M}$        |            |                     |  | -6903 Mar 20 j 17:29 | 0° $\approx$              |            |
| evening max el      | -6906 Sep 14 j 20:37 | 19° $\text{M}$ 49'01 | 47°37'47   | max. Earth dist.    |  | -6903 Apr 13 j 13:50 | 29° $\approx$ 17'26       | 1.73425 AU |
|                     | -6906 Sep 25 j 04:55 | 0° $\text{L}$        |            |                     |  | -6903 Apr 14 j 03:40 | 0° $\text{H}$             |            |
| greatest brilliancy | -6906 Oct 25 j 15:19 | 21° $\text{L}$ 52'33 | -4.9m      |                     |  |                      |                           |            |
| retrograde          | -6906 Nov 05 j 02:00 | 23° $\text{L}$ 59'26 |            | superior conj       |  | -6903 Apr 16 j 22:11 | 3° $\text{H}$ 24'57       | -0°35'34   |
| asc. node           | -6906 Nov 15 j 22:50 | 21° $\text{L}$ 31'05 |            | minimum elong       |  | -6903 Apr 17 j 04:25 | 3° $\text{H}$ 44'10       | 0°35'33    |
| evening set         | -6906 Nov 19 j 20:42 | 19° $\text{L}$ 32'14 |            | asc. node           |  | -6903 May 02 j 17:21 | 22° $\text{H}$ 55'29      |            |
| min. Earth dist.    | -6906 Nov 25 j 01:54 | 16° $\text{L}$ 21'48 | 0.27577 AU |                     |  | -6903 May 08 j 10:35 | 0° $\text{Y}$             |            |
| inferior conj       | -6906 Nov 26 j 00:20 | 15° $\text{L}$ 46'04 | 2°25'57    | evening rise        |  | -6903 May 22 j 10:45 | 17° $\text{Y}$ 21'57      |            |
| minimum elong       | -6906 Nov 25 j 19:22 | 15° $\text{L}$ 53'59 | 2°24'25    |                     |  | -6903 Jun 01 j 14:52 | 0° $\text{B}$             |            |
| morning rise        | -6906 Dec 01 j 18:57 | 12° $\text{L}$ 14'24 |            |                     |  | -6903 Jun 25 j 17:40 | 0° $\text{II}$            |            |
| direct              | -6906 Dec 16 j 15:33 | 7° $\text{L}$ 48'10  |            |                     |  | -6903 Jul 19 j 20:45 | 0° $\text{G}$             |            |
| greatest brilliancy | -6906 Dec 25 j 14:55 | 9° $\text{L}$ 18'38  | -4.8m      |                     |  | -6903 Aug 13 j 02:27 | 0° $\Omega$               |            |
|                     | -6905 Jan 25 j 19:00 | 0° $\text{M}$        |            | desc. node          |  | -6903 Aug 22 j 22:40 | 12° $\Omega$ 06'54        |            |
| morning max el      | -6905 Feb 03 j 14:01 | 8° $\text{M}$ 07'38  | 46°00'16   |                     |  | -6903 Sep 06 j 13:34 | 0° $\text{M}$             |            |
|                     | -6905 Feb 25 j 03:34 | 0° $\text{J}$        |            |                     |  | -6903 Oct 01 j 10:21 | 0° $\text{L}$             |            |
| desc. node          | -6905 Mar 08 j 09:02 | 12° $\text{J}$ 05'54 |            |                     |  | -6903 Oct 27 j 02:17 | 0° $\text{M}$             |            |
|                     | -6905 Mar 24 j 11:09 | 0° $\text{Z}$        |            |                     |  | -6903 Nov 23 j 17:51 | 0° $\text{J}$             |            |
|                     | -6905 Apr 19 j 12:07 | 0° $\approx$         |            | evening max el      |  | -6903 Nov 24 j 14:10 | 0° $\text{J}$ 51'13       | 46°15'50   |
|                     | -6905 May 14 j 17:58 | 0° $\text{H}$        |            | asc. node           |  | -6903 Dec 13 j 09:32 | 18° $\text{J}$ 09'42      |            |
|                     | -6905 Jun 08 j 09:47 | 0° $\text{Y}$        |            |                     |  | -6903 Dec 31 j 15:35 | 0° $\text{Z}$             |            |
| asc. node           | -6905 Jun 28 j 17:22 | 25° $\text{Y}$ 08'27 |            | greatest brilliancy |  | -6902 Jan 02 j 06:45 | 0° $\text{Z}$ 40'48       | -4.8m      |
|                     | -6905 Jul 02 j 14:54 | 0° $\text{B}$        |            | retrograde          |  | -6902 Jan 13 j 10:11 | 2° $\text{Z}$ 58'41       |            |
|                     | -6905 Jul 26 j 12:32 | 0° $\text{II}$       |            |                     |  | -6902 Jan 25 j 12:13 | 30° $\text{R}$ $\text{J}$ |            |
| greatest brilliancy | -6905 Jul 28 j 13:40 | 2° $\text{II}$ 34'55 | -3.9m      | evening set         |  | -6902 Jan 30 j 23:04 | 26° $\text{J}$ 58'47      |            |
| morning set         | -6905 Jul 30 j 06:20 | 4° $\text{II}$ 43'10 |            | inferior conj       |  | -6902 Feb 03 j 19:19 | 24° $\text{J}$ 32'52      | 8°06'38    |
|                     | -6905 Aug 19 j 06:17 | 0° $\text{G}$        |            | minimum elong       |  | -6902 Feb 03 j 17:41 | 24° $\text{J}$ 35'30      | 8°06'10    |
|                     |                      |                      |            | min. Earth dist.    |  | -6902 Feb 03 j 15:50 | 24° $\text{J}$ 38'29      | 0.29439 AU |
| superior conj       | -6905 Sep 08 j 05:37 | 25° $\text{G}$ 15'26 | 1°15'26    | morning rise        |  | -6902 Feb 07 j 12:29 | 22° $\text{J}$ 12'03      |            |
| minimum elong       | -6905 Sep 08 j 14:33 | 25° $\text{G}$ 43'38 | 1°15'42    | direct              |  | -6902 Feb 25 j 12:24 | 16° $\text{J}$ 04'20      |            |
| max. Earth dist.    | -6905 Sep 11 j 12:23 | 29° $\text{G}$ 24'09 | 1.70803 AU | greatest brilliancy |  | -6902 Mar 06 j 22:58 | 17° $\text{J}$ 41'39      | -4.7m      |
|                     | -6905 Sep 11 j 23:44 | 0° $\Omega$          |            |                     |  | -6902 Mar 28 j 05:14 | 0° $\text{Z}$             |            |

Attention, astronomical year style is used: The year -7400 in astronomical counting style is the year 7401 BCE in historical counting style.

|                     |                      |                           |            |                      |                          |                                |
|---------------------|----------------------|---------------------------|------------|----------------------|--------------------------|--------------------------------|
| desc. node          | -6902 Apr 04 j 20:06 | 6° $\text{Z}$ 13'56       |            | -6900 Oct 14 j 04:09 | 0° $\text{L}$            |                                |
| morning max el      | -6902 Apr 15 j 09:30 | 15° $\text{Z}$ 49'58      | 45°54'33   | -6900 Nov 07 j 14:52 | 0° $\text{M}$            |                                |
|                     | -6902 Apr 29 j 14:38 | 0° $\approx$              |            | -6900 Dec 02 j 12:05 | 0° $\text{X}$            |                                |
|                     | -6902 May 27 j 02:55 | 0° $\text{H}$             |            | -6900 Dec 28 j 05:40 | 0° $\text{Z}$            |                                |
|                     | -6902 Jun 21 j 21:08 | 0° $\text{Y}$             |            | asc. node            | -6899 Jan 09 j 20:20     | 14° $\text{Z}$ 04'26           |
| asc. node           | -6902 Jul 16 j 16:01 | 0° $\text{B}$             |            | -6899 Jan 24 j 20:45 | 0° $\approx$             |                                |
|                     | -6902 Jul 26 j 05:59 | 11° $\text{B}$ 48'48      |            | evening max el       | -6899 Feb 03 j 07:56     | 9° $\approx$ 22'56 45°03'56    |
|                     | -6902 Aug 09 j 20:33 | 0° $\text{II}$            |            | -6899 Feb 28 j 05:31 | 0° $\text{H}$            |                                |
|                     | -6902 Sep 02 j 17:16 | 0° $\text{E}$             |            | greatest brilliancy  | -6899 Mar 12 j 23:00     | 6° $\text{H}$ 35'00 -4.7m      |
| morning set         | -6902 Sep 26 j 11:38 | 0° $\text{L}$             |            | retrograde           | -6899 Mar 23 j 09:33     | 8° $\text{H}$ 31'58            |
|                     | -6902 Oct 14 j 15:37 | 22° $\text{L}$ 53'02      |            | evening set          | -6899 Apr 08 j 05:00     | 3° $\text{H}$ 50'22            |
|                     | -6902 Oct 20 j 07:38 | 0° $\text{M}$             |            | inferior conj        | -6899 Apr 13 j 19:45     | 0° $\text{H}$ 29'59 4°02'37    |
|                     | -6902 Nov 13 j 07:20 | 0° $\text{L}$             |            | minimum elong        | -6899 Apr 14 j 03:26     | 0° $\text{H}$ 18'05 4°00'28    |
| desc. node          | -6902 Nov 15 j 11:02 | 2° $\text{L}$ 41'00       |            | -6899 Apr 14 j 15:07 | 30° $\text{R}$ $\approx$ |                                |
| superior conj       | -6902 Nov 25 j 23:01 | 15° $\text{L}$ 44'21      | -0°23'44   | min. Earth dist.     | -6899 Apr 14 j 21:08     | 29° $\approx$ 50'42 0.28877 AU |
| minimum elong       | -6902 Nov 25 j 16:59 | 15° $\text{L}$ 25'37      | 0°23'32    | morning rise         | -6899 Apr 20 j 01:01     | 26° $\approx$ 46'49            |
| max. Earth dist.    | -6902 Nov 30 j 23:05 | 21° $\text{L}$ 56'59      | 1.72277 AU | desc. node           | -6899 May 02 j 06:55     | 22° $\approx$ 22'26            |
|                     | -6902 Dec 07 j 10:56 | 0° $\text{M}$             |            | direct               | -6899 May 05 j 15:14     | 22° $\approx$ 09'20            |
|                     | -6902 Dec 31 j 17:42 | 0° $\text{X}$             |            | greatest brilliancy  | -6899 May 16 j 23:16     | 24° $\approx$ 26'02 -4.8m      |
|                     | -6902 Dec 31 j 17:42 | 0° $\text{X}$             |            | -6899 May 27 j 16:17 | 0° $\text{H}$            |                                |
| evening rise        | -6901 Jan 05 j 07:15 | 5° $\text{X}$ 37'30       |            | morning max el       | -6899 Jun 24 j 07:08     | 23° $\text{H}$ 07'54 46°21'38  |
|                     | -6901 Jan 25 j 03:16 | 0° $\text{Z}$             |            | -6899 Jul 01 j 02:58 | 0° $\text{Y}$            |                                |
|                     | -6901 Feb 18 j 16:22 | 0° $\approx$              |            | -6899 Jul 28 j 12:11 | 0° $\text{B}$            |                                |
|                     | -6901 Mar 07 j 17:47 | 20° $\approx$ 42'02       |            | asc. node            | -6899 Aug 22 j 18:18     | 29° $\text{B}$ 50'30           |
| asc. node           | -6901 Mar 15 j 10:44 | 0° $\text{H}$             |            | -6899 Aug 22 j 21:27 | 0° $\text{II}$           |                                |
|                     | -6901 Apr 09 j 12:42 | 0° $\text{Y}$             |            | -6899 Sep 16 j 09:07 | 0° $\text{E}$            |                                |
|                     | -6901 May 05 j 01:38 | 0° $\text{B}$             |            | -6899 Oct 10 j 11:54 | 0° $\text{L}$            |                                |
|                     | -6901 May 31 j 09:05 | 0° $\text{II}$            |            | -6899 Nov 03 j 13:23 | 0° $\text{M}$            |                                |
| desc. node          | -6901 Jun 28 j 01:56 | 29° $\text{II}$ 39'15     |            | -6899 Nov 27 j 17:29 | 0° $\text{L}$            |                                |
|                     | -6901 Jun 28 j 10:09 | 0° $\text{E}$             |            | desc. node           | -6899 Dec 13 j 00:07     | 18° $\text{L}$ 52'15           |
|                     | -6901 Jul 02 j 00:55 | 3° $\text{E}$ 36'43       | 47°05'24   | -6899 Dec 22 j 00:54 | 0° $\text{M}$            |                                |
|                     | -6901 Aug 02 j 23:37 | 0° $\text{L}$             |            | morning set          | -6899 Dec 30 j 02:43     | 9° $\text{M}$ 56'18            |
| greatest brilliancy | -6901 Aug 12 j 07:45 | 4° $\text{L}$ 19'43       | -4.9m      |                      |                          |                                |
| retrograde          | -6901 Aug 21 j 10:13 | 5° $\text{L}$ 53'06       |            |                      |                          |                                |
| evening set         | -6901 Sep 07 j 12:42 | 0° $\text{L}$ 15'44       |            |                      |                          |                                |
|                     | -6901 Sep 07 j 23:22 | 30° $\text{R}$ $\text{E}$ |            |                      |                          |                                |
|                     | -6901 Sep 11 j 00:55 | 28° $\text{E}$ 08'33      | -7°53'06   |                      |                          |                                |
|                     | -6901 Sep 11 j 10:12 | 27° $\text{E}$ 54'20      | 7°51'14    |                      |                          |                                |
| min. Earth dist.    | -6901 Sep 10 j 23:36 | 28° $\text{E}$ 10'33      | 0.26527 AU |                      |                          |                                |
| morning rise        | -6901 Sep 15 j 07:46 | 25° $\text{E}$ 34'55      |            |                      |                          |                                |
| direct              | -6901 Oct 01 j 06:57 | 20° $\text{E}$ 34'37      |            |                      |                          |                                |
| greatest brilliancy | -6901 Oct 11 j 10:19 | 22° $\text{E}$ 32'52      | -4.9m      |                      |                          |                                |
| asc. node           | -6901 Oct 18 j 14:22 | 25° $\text{E}$ 58'17      |            |                      |                          |                                |
|                     | -6901 Oct 24 j 20:57 | 0° $\text{L}$             |            |                      |                          |                                |
|                     | -6901 Nov 20 j 15:39 | 23° $\text{L}$ 40'04      | 46°33'22   |                      |                          |                                |
|                     | -6901 Nov 26 j 19:43 | 0° $\text{M}$             |            |                      |                          |                                |
| desc. node          | -6901 Dec 24 j 07:03 | 0° $\text{L}$             |            |                      |                          |                                |
|                     | -6900 Jan 19 j 11:37 | 0° $\text{M}$             |            |                      |                          |                                |
|                     | -6900 Feb 07 j 23:22 | 22° $\text{M}$ 45'06      |            |                      |                          |                                |
|                     | -6900 Feb 14 j 03:12 | 0° $\text{X}$             |            |                      |                          |                                |
| morning set         | -6900 Mar 10 j 09:55 | 0° $\text{Z}$             |            |                      |                          |                                |
|                     | -6900 Apr 04 j 08:32 | 0° $\approx$              |            |                      |                          |                                |
|                     | -6900 Apr 28 j 23:25 | 0° $\text{H}$             |            |                      |                          |                                |
|                     | -6900 May 17 j 20:01 | 23° $\text{H}$ 13'35      |            |                      |                          |                                |
| asc. node           | -6900 May 23 j 07:16 | 0° $\text{Y}$             |            |                      |                          |                                |
|                     | -6900 May 30 j 06:27 | 8° $\text{Y}$ 38'55       |            |                      |                          |                                |
|                     | -6900 Jun 16 j 09:16 | 0° $\text{B}$             |            |                      |                          |                                |
|                     | -6900 Jun 19 j 00:09 | 3° $\text{B}$ 16'47       | 1.71811 AU |                      |                          |                                |
| superior conj       | -6900 Jun 23 j 07:04 | 8° $\text{B}$ 39'07       | 0°52'11    |                      |                          |                                |
| minimum elong       | -6900 Jun 22 j 22:20 | 8° $\text{B}$ 11'44       | 0°52'07    |                      |                          |                                |
| evening rise        | -6900 Jul 10 j 07:08 | 0° $\text{II}$            |            |                      |                          |                                |
|                     | -6900 Jul 31 j 02:12 | 26° $\text{II}$ 10'14     |            |                      |                          |                                |
|                     | -6900 Aug 03 j 03:14 | 0° $\text{E}$             |            |                      |                          |                                |
|                     | -6900 Aug 27 j 00:04 | 0° $\text{L}$             |            |                      |                          |                                |
| desc. node          | -6900 Sep 19 j 11:06 | 29° $\text{L}$ 20'18      |            |                      |                          |                                |
|                     | -6900 Sep 19 j 23:50 | 0° $\text{M}$             |            |                      |                          |                                |