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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:11, page 3

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

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-3889 Apr 13 j 03:02 0° Hip
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desc. node
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-3889 Jul 26 j 05:06 29° Hip19'49
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-3889 Aug 13 j 01:23 23° Hip25'15 minimum elong
-3889 Aug 16 j 01:11 21° Hip37'44 -8°55'06 max. Earth dist.
-3889 Aug 15 j 23:47 21° Hip39'51 8°54'55
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-3889 Aug 16 j 01:11 21° Hip37'44 -8°55'06 max. Earth dist.
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min. Earth dist.
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-3889 Aug 18 j 22:05 19° Hip54'22 evening rise
direct
-3889 Sep 05 j 21:11 13° Hip12'8
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-3889 Oct 26 j 17:16 17° Hip28'59 46°52'30
-3889 Nov 07 j 12:36 0° Hip
-3889 Dec 03 j 22:58 0° Hip
desc. node
-3889 Feb 01 j 19:26 11° Hip12'06 evening max el
-3889 Feb 17 j 06:39 0° Hip
desc. node
-3889 Mar 13 j 02:04 0° Hip greatest brilliancy
-3889 Mar 26 j 14:06 30° Hip
desc. node
-3889 Apr 06 j 18:49 0° Hip
-3889 Apr 27 j 22:26 25° Hip40'20 evening set
-3889 May 01 j 08:20 0° Hip
-3889 May 24 j 15:39 28° Hip38'21 minimum elong
-3889 May 25 j 18:08 0° Hip
max. Earth dist.
-3889 May 29 j 21:18 5° Hip05'50 1.73154 AU morning rise
desc. node
-3889 Jun 19 j 09:07 0° Hip
-3889 Jun 22 j 03:02 0° Hip
evening rise
-3889 Jul 08 j 15:06 24° Hip33'51 morning max el
-3889 Jul 13 j 03:01 0° Hip
desc. node
-3889 Aug 06 j 04:21 0° Hip
desc. node
-3889 Aug 30 j 06:07 0° Hip
desc. node
-3889 Sep 13 j 10:36 17° Hip33'22
-3889 Sep 23 j 10:19 0° Hip
desc. node
-3889 Oct 17 j 19:03 0° Hip
desc. node
-3889 Nov 11 j 11:53 0° Hip
-3889 Dec 06 j 21:24 0° Hip
asc. node
-3887 Jan 02 j 22:31 0° Hip
asc. node
-3887 Jan 04 j 06:50 1° Hip24'29 morning set
-3887 Jan 11 j 20:48 9° Hip07'29 45°56'01
-3887 Feb 04 j 20:12 0° Hip
-3887 Feb 16 j 22:38 7° Hip07'25 -4.7m
-3887 Feb 19 j 01:52 4° Hip41'54 minimum elong
-3887 Mar 23 j 13:41 1° Hip54'10 6°36'12
-3887 Mar 23 j 12:28 1° Hip40'29 6°34'42 min. Earth dist.
-3887 Mar 24 j 00:14 1° Hip37'23 0.29339 AU evening rise
-3887 Mar 26 j 14:06 30° Hip
-3887 Mar 28 j 18:43 28° Hip04'48 desc. node
-3887 Apr 14 j 08:19 23° Hip27'44
desc. node
-3887 Apr 26 j 03:50 25° Hip55'56 greatest brilliancy
-3887 Apr 26 j 16:49 26° Hip09'04 -4.7m
-3887 May 04 j 07:01 0° Hip
-3887 May 07 j 02:50 0° Hip
evening max el
-3887 Jun 02 j 06:24 23° Hip09'54 45°54'09 asc. node
-3887 Jun 09 j 01:12 0° Hip
-3887 Jul 07 j 02:50 0° Hip
evening max el
-3887 Aug 02 j 01:23 0° Hip
-3887 Aug 17 j 01:31 18° Hip07'04
-3887 Aug 26 j 21:41 0° Hip
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:11, page 4

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

- Greatest brilliancy -3884 Apr 28 03:21 13°53'55" -4.7m
- Retrograde -3884 May 10 20:49 16°25'32" minimum elong
- Desc. node -3884 May 23 15:24 13°54'29" max. Earth dist.
- Evening set -3884 May 25 16:53 12°21'10" desc. node
- Inferior conj -3884 Jun 01 04:37 8°48'44" -1°59'09"
- Minimum elong -3884 Jun 01 00:16 8°31'25" 1°57'48" evening rise
- Min. Earth dist. -3884 Jun 01 17:03 8°05'40" 0.28506 AU
- Morning rise -3884 Jun 07 06:58 4°48'07"
- Direct -3884 Jun 22 19:31 0°01'12"
- Greatest brilliancy -3884 Jul 06 06:21 3°25'50" -4.8m
- Morning max el -3884 Aug 10 10:12 0°
- Asc. node -3884 Aug 13 13:08 7°21'08"
- Evening set -3884 Oct 02 19:38 0°
- Maximum elong -3884 Oct 07 04:06 0°
- Desc. node -3884 Nov 20 18:18 0°
- Evening rise -3884 Dec 14 23:42 0°
- Superior conj -3883 Jan 03 09:36 23°59'19"
- Retrograde -3883 Jan 08 06:35 0°
- Inferior conj -3883 Feb 01 15:20 0°
- Morning set -3883 Feb 16 12:44 18°18'01"
- Min. Earth dist. -3883 Feb 26 01:20 0°
- Desc. node -3883 Mar 22 11:54 0°
- Morning max el -3883 Apr 26 05:29 12°38'00"
- Evening set -3883 Apr 30 23:25 18°25'12"
- Maximum elong -3883 May 03 19:07 0°
- Desc. node -3883 May 28 05:46 0°
- Direct -3883 Jun 22 18:33 0°
- Evening max el -3883 Aug 16 00:27 29°24'58"
- Superior conj -3883 Aug 16 12:05 0°
- Asc. node -3883 Aug 30 11:53 0°
- Evening max el -3883 Oct 30 15:00 26°10'05" 47°21'50"
- Asc. node -3883 Nov 03 01:00 0°
- Superior conj -3883 Dec 06 21:19 26°36'07"
- Retrograde -3883 Dec 17 21:29 0°
- Evening set -3883 Dec 20 17:02 0°
- Minimum elong -3883 Dec 23 11:37 30°16'34"
- Inferior conj -3883 Jan 05 23:39 24°49'28"
- Min. Earth dist. -3883 Jan 09 17:17 22°30'33" 0.28133 AU
- Minimum elong -3883 Jan 10 17:58 21°51'17" 7°08'12"
- Morning rise -3883 Jan 14 20:02 19°18'39"
- Desc. node -3883 Jan 31 16:28 13°46'17"
- Greatest brilliancy -3883 Feb 11 05:59 15°49'37" -4.7m
- Direct -3883 Mar 05 23:40 0°
- Morning max el -3883 Mar 21 14:30 13°55'43" 45°54'22"
- Desc. node -3883 Mar 28 18:40 20°55'31"
- Asc. node -3884 Apr 06 16:11 0°
- Evening max el -3884 May 04 06:53 0°
- Minimum elong -3884 May 30 09:59 0°
- Superior conj -3884 Jun 24 16:18 0°
- Desc. node -3884 Jul 19 07:42 0°
- Inferior conj -3884 Jul 19 15:46 0°
- Asc. node -3884 Aug 12 12:04 0°
- Morning set -3884 Sep 05 09:22 0°
- Minimum elong -3884 Sep 15 04:24 12°21'29"
- Min. Earth dist. -3884 Sep 29 03:36 0°
- Morning rise -3884 Oct 22 22:07 0°

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

 direct
-3879 Apr 12 j 00:32  21°=49°31
-3879 Aug 07 j 21:57  0°

 greatest brilliancy
-3879 Apr 24 j 08:39  23°=59°59 -4.7m
desc. node
-3879 Apr 25 j 06:00  24°=22°32
-3879 May 05 j 09:42  0°

 morning max el
-3879 May 30 j 22:00  21°=9°25  45°53'30
-3879 Jun 08 j 21:05  0°
-3879 Jul 06 j 17:56  0°
-3879 Aug 01 j 14:39  0°

 asc. node
-3879 Aug 16 j 03:38  17°=28°11
-3879 Sep 26 j 10:03  0°

 min. Earth dist.
-3879 Oct 13 j 12:40  0°
-3879 Nov 06 j 08:57  0°
-3879 Nov 30 j 07:01  0°

 asc. node
-3879 Dec 01 j 03:48  1°=5°07'02

desc. node
-3879 Dec 05 j 23:32  7°=6°48'48
-3879 Dec 24 j 08:01  0°

 superior conj
-3878 Jan 11 j 18:04  22°=9°25'9 -1°11'26

 minimum elong
-3878 Jan 11 j 08:27  22°=23°10  1°11'21
dist. Earth
-3878 Jan 15 j 14:03  27°=37°59'  1.75212 AU
desc. node
-3878 Jan 17 j 11:54  0°

 evening rise
-3878 Feb 10 j 18:31  0°
-3878 Feb 19 j 17:16  11°=01°08
evening max el
-3878 Mar 07 j 04:09  0°

desc. node
-3878 Mar 28 j 19:14  26°=26°06
-3878 Mar 31 j 17:29  0°

 asc. node
-3878 Apr 25 j 11:20  0°
-3878 May 20 j 10:59  0°
-3878 Jun 14 j 19:12  0°
-3878 Jul 10 j 18:40  0°

 asc. node
-3878 Jul 18 j 14:34  8°=48°14'1
-3878 Aug 07 j 03:01  0°

 evening max el
-3878 Aug 17 j 04:43  10°=18°14'  47°16'07
-3878 Sep 08 j 00:57  0°

desc. node
-3878 Sep 25 j 17:21  10°=46°47' -4.9m
-3878 Oct 06 j 18:57  13°=05°40

 retrograde
-3878 Oct 21 j 18:46  8°=38°31
inferior conj
-3878 Oct 27 j 08:59  5°=0°06'06'0 -3°03'52
minimum elong
-3878 Oct 27 j 15:35  5°=1°00'0  3°01'52
min. Earth dist.
-3878 Oct 27 j 04:43  5°=26°39  0.26389 AU

 morning rise
-3878 Nov 02 j 12:32  1°=44°12
desc. node
-3878 Nov 06 j 03:12  30°

 asc. node
-3878 Nov 08 j 11:50  29°=06°15

direct
-3878 Nov 16 j 13:33  27°=44°43'
-3878 Nov 27 j 11:35  0°

greatest brilliancy
-3878 Nov 28 j 06:14  0°=18°51' -4.9m

desc. node
-3878 Nov 28 j 05:12  0°=18°51' -4.9m
-3878 Jan 05 j 11:29  0°

 morning max el
-3877 Jan 05 j 15:21  0°=09°37'  46°30'10
-3877 Feb 02 j 19:50  0°

desc. node
-3877 Feb 28 j 09:20  28°=52°44'
-3877 Mar 01 j 08:45  0°

 max. Earth dist.
-3877 Mar 27 j 03:23  0°
-3877 Apr 21 j 10:50  0°
-3877 May 16 j 09:25  0°
-3877 Jun 09 j 23:57  0°
asc. node
-3877 Jun 21 j 05:50  13°=50°36

 morning set
-3877 Jul 02 j 21:59  28°=7°28
-3877 Jul 04 j 07:00  0°
-3877 Jul 28 j 07:56  0°

 superior conj
-3877 Aug 07 j 12:04  13°=31°04'  1°22°26

 minimum elong
-3877 Aug 09 j 00:20  14°=39°42'  1°22°33

 evening rise
-3877 Sep 17 j 11:01  4°=18°16
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</table>

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3849 May 08 j 10:57 \(0^\circ\) \(\Pi\) morning set -3847 Nov 20 j 18:46 20°44'49"
-3849 May 25 j 16:45 17°\(\Delta\)11'28 45°38'31
-3849 Jun 08 j 18:45 \(0^\circ\) desc. node -3847 Dec 02 j 08:01 5°41'300
-3849 Jun 17 j 11:27 6°\(\Pi\)43'18
-3849 Jul 02 j 12:14 15°\(\Pi\)90'38 -4.8m
-3849 Jul 13 j 19:29 17°\(\Pi\)26'34
-3849 Jul 31 j 03:23 11°\(\Pi\)13'11 minimum brilliancy
-3849 Aug 03 j 18:27 9°\(\Pi\)42'13 -8°32'44 max. Earth dist.
-3849 Aug 03 j 12:41 9°\(\Pi\)50'57 8°32'05
-3849 Aug 04 j 02:49 9°\(\Pi\)29'36 0.27441 AU
-3849 Aug 06 j 21:47 7°\(\Pi\)49'32 evening rise -3849 Aug 07 j 06:28 2°46'03'
-3849 Aug 24 j 17:09 1°31'10 evening set -3849 Aug 08 j 14:30 0°
-3849 Sep 06 j 18:32 4°\(\Pi\)39'25 -4.9m
-3849 Oct 08 j 09:04 29°\(\Pi\)06'58
-3849 Oct 09 j 06:43 0°\(\Omega\) asc. node -3849 Apr 23 j 10:06 0°
-3849 Oct 14 j 11:53 5°\(\Xi\)14'02 46°51'52
-3849 Nov 06 j 07:05 0°\(\Pi\) asc. node -3849 Jun 13 j 02:03 0°
-3849 Dec 02 j 01:21 0°\(\Omega\) desc. node -3849 Jul 09 j 11:05 0°\(\Omega\)
-3849 Dec 27 j 02:48 0°\(\Pi\) desc. node -3849 Jul 14 j 23:08 6°49'30'
-3849 Jan 20 j 23:03 0°\(\Omega\)
-3849 Jan 28 j 06:01 8°49'25 
-3849 Feb 14 j 17:35 0°\(\Omega\)
-3849 Mar 10 j 10:44 0°\(\Omega\) greatest brilliancy
-3849 Apr 04 j 02:01 0°\(\Omega\)
-3849 Apr 16 j 21:11 15°\(\Pi\)37'56
-3849 Apr 28 j 14:45 0°\(\Pi\) morning set -3849 Oct 09 j 03:28 30°
-3849 May 19 j 10:21 25°\(\Pi\)34'52 1.73370 AU
-3849 May 20 j 02:11 26°\(\Xi\)23'40
-3849 Jun 16 j 06:45 0°\(\Pi\) max. Earth dist.
-3849 Jun 27 j 09:37 13°\(\Pi\)47'54
-3849 Jul 10 j 10:28 20°44'49
-3849 Aug 03 j 13:02 0°\(\Omega\) asc. node -3849 Feb 24 j 17:48 26°37'59
-3849 Aug 27 j 16:27 0°\(\Pi\) asc. node -3849 Feb 25 j 17:25 0°
-3849 Sep 08 j 21:12 15°\(\Pi\)06'22
-3849 Sep 20 j 22:46 0°\(\Omega\) desc. node -3849 Mar 25 j 05:07 0°
-3849 Oct 15 j 10:20 0°\(\Omega\)
-3849 Nov 09 j 07:42 0°\(\Omega\)
-3849 Dec 05 j 02:21 0°\(\Pi\) asc. node -3849 Jun 17 j 14:27 12°51'02'
-3849 Dec 30 j 17:35 27°\(\Xi\)33'09
-3849 Dec 31 j 01:23 27°\(\Xi\)24'10 46°11'07
-3849 Jan 02 j 04:45 0°\(\Pi\)
greatest brilliancy
-3849 Feb 05 j 09:54 26°\(\Xi\)24'38 -4.7m
-3849 Feb 18 j 17:16 29°\(\Pi\)36'05
-3849 Mar 08 j 02:13 23°\(\Xi\)45'27
-3849 Mar 12 j 03:01 21°\(\Xi\)13'54 7°25'26
-3849 Mar 12 j 10:07 21°\(\Xi\)02'36 7°24'27
-3849 Mar 12 j 08:18 21°\(\Xi\)05'29 0.29325 AU
-3849 Mar 16 j 18:09 18°\(\Xi\)21'06
-3849 Apr 02 j 19:38 12°\(\Xi\)45'55
greatest brilliancy
-3849 Apr 14 j 21:10 15°\(\Xi\)23'12 -4.7m
-3849 Apr 21 j 14:22 18°\(\Pi\)00'28
-3849 May 07 j 14:01 0°\(\Pi\)
greatest brilliancy
-3849 May 21 j 17:52 12°\(\Pi\)40'19 45°51'11
-3849 Jun 07 j 22:37 0°\(\Pi\)
-3849 Jul 05 j 03:47 0°\(\Pi\)
-3849 Jul 30 j 18:10 0°\(\Pi\)
-3849 Aug 12 j 12:14 15°\(\Xi\)33'53
-3849 Aug 24 j 10:28 0°\(\Pi\)
-3849 Sep 17 j 13:42 0°\(\Pi\)
-3849 Oct 11 j 10:39 0°\(\Pi\)
-3849 Nov 04 j 06:24 0°\(\Pi\) retrograde
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:11, page 12

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

evening set -3844 May 14 00:32 1°0′18″33 max. Earth dist. -3842 Oct 15 20:21 24°32′27″08 1.70902 AU
desc. node -3844 May 16 08:47 30°7′40″ desc. node -3842 Oct 20 06:00 0°7′
inferior conj -3844 May 20 11:20 27°′3′0″53 -0°9′22′′
minimum elong -3844 May 20 10:38 27°′3′15″59 0°9′06″ evening rise -3842 Nov 24 14:41 14°3′33″07
min. Earth dist. -3844 May 21 02:13 27°′0″52′′2 0.28700 AU
morning rise -3844 May 26 19:55 23°′43″41′′
direct -3844 Jun 11 04:02 19°′4″45′′
greatest brilliancy -3844 Jun 24 12:50 22°′22″13′′ -4.7m
morning max el -3844 Jul 07 10:43 0° ascent node -3844 Jul 24 17:28 7°3′38″02
asc. node -3844 Jul 16 08:40 4° asc. node -3844 Jul 18 08:45 0°
morning rise -3844 Aug 09 08:51 0°
min. Sep 05 10:02 0°
edg. node -3844 Sep 08 23:50 4° even max el -3844 Sep 23 07:32 15°5′52″ 45°3′36″08
desc. node -3844 Sep 30 15:46 0°
morning set -3844 Sep 25 02:44 0°
min. Sep 18 06:47 0°
max. Dec 12 10:13 0°
greatest brilliancy -3844 Dec 29 20:12 21°34″46′′
min. Jan 05 15:35 0°
greatest brilliancy -3844 Jan 29 23:09 0°
morning set -3844 Feb 04 14:44 6°57″34′′
min. Feb 23 08:14 0°
superior conj -3844 Mar 14 11:34 23°′31″08′′ -1°13′18′′
minimum elong -3844 Mar 14 19:10 23°′54″26′′ 1°13′14′′
greatest brilliancy -3844 Sep 04 08:25 2°3′42″ -4.9m
asc. node -3844 Mar 19 18:16 0°
asc. node -3844 Sep 07 11:16 28°3′10″
max. Aug 31 04:54 0°
min. Sep 09 07:11 0°
evening rise -3844 Aug 19 22:21 8°′51″03′′
asc. node -3844 Aug 19 16:00 10°′22″45′′
max. May 07 15:58 0°
asc. node -3844 Jun 06 00:08 0°
min. Jun 01 03:32 0°
min. Jun 26 15:53 0°
min. Jul 20 08:13 0°
greatest brilliancy -3844 Aug 14 07:50′′00 46′′5′35″
asc. node -3844 Aug 14 16:03 0°
min. Jul 08 16:09 0°
asc. node -3844 Aug 09 22:03 0°
min. Aug 30 04:04 0°
morning set -3844 Aug 18 18:02 14°′23″51′′ 47°29″42′′
min. Aug 04 00:27 0°
asc. node -3844 Aug 20 11:03 26°′39″15′′
greatest brilliancy -3844 Aug 14 04:15 0°
asc. node -3844 Aug 14 16:01 13°35″09′′
max. Aug 30 04:12 0°
asc. node -3844 Aug 17 07:31 23°′58″39′′ 1.73406 AU
minimum elong -3844 Aug 19 04:24 25°′56″50′′
greatest brilliancy -3844 Aug 22 07:43 29°′23″37′′
asc. node -3844 Aug 29 15:07 23°′33″19′′
retrograde -3844 Dec 02 08:06 17°′41″11′′
min. Dec 08 08:26 18°′33″19′′
asc. node -3844 Dec 24 13:58 13°′3′24″
min. Dec 29 20:08 11°′00″40′′ 0.27742 AU
asc. node -3844 Dec 29 22:10 10°′20″00′′ 6′′60′′06′
min. Dec 29 12:40 10°′34″51′′ 6′′04′′00′
asc. node -3844 Jan 03 12:00 7°′30″05′′
min. Jan 19 15:12 2°′21″24′′ evening rise -3844 Jan 25 03:50 11°′41″05′′
greatest brilliancy -3844 Jan 30 05:17 4°′24″49′′ -4.8m
asc. node -3844 Feb 09 19:37 0°
asc. node -3844 Feb 27 04:17 0°
desc. node -3844 Mar 09 14:26 2°′38″22′′ 45°58′39′′
asc. node -3844 Mar 24 05:13 17°′53″36′′
asc. node -3844 Apr 05 06:02 0°
min. May 02 04:48 0°
asc. node -3844 May 28 00:41 0°
asc. node -3844 Jun 22 03:18 0°
asc. node -3844 Jul 15 02:26 28°′01″48′′
asc. node -3844 Jul 16 16:48 0°
asc. node -3844 Aug 09 20:16 0°
morning set -3844 Sep 02 18:46 0°
asc. node -3844 Sep 02 17:13 0°
asc. node -3844 Sep 26 11:24 0°
superior conj -3844 Oct 13 00:16 20°′52″29′′ 0°48′14′′
minimum elong -3844 Oct 13 11:05 21°′26″33′′ 0°47′49′′
min. Earth dist. -3839 Mar 10 00:06 18°′59″33′′ 0.29312 AU

Attention, astronomical year style is used: the year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3839 Mar 14 j 08:26 16°=1700
-3839 Mar 31 j 12:47 10°=024
greatest brilliancy -3839 Apr 12 j 11:15 13°=1245 -4.7m
desc. node -3839 Apr 20 j 16:39 17°=2148
-3839 May 07 j 19:40 0°=6
morning max el -3839 May 19 j 09:58 10°=3100 45°=50'32
-3839 Jun 07 j 15:59 0°=6
-3839 Jul 04 j 17:55 0°=7
asc. node -3839 Aug 11 j 14:19 14°=5243
-3839 Aug 23 j 22:29 0°=6
evening rise -3839 Aug 30 j 06:10 1°=17'30
-3839 Sep 17 j 01:21 0°=6
-3839 Oct 10 j 22:07 0°=6
greatest brilliancy -3839 Nov 13 j 17:44 0°=6
-3839 Nov 28 j 09:02
morning set -3839 Nov 18 j 10:06 4°=44'28
-3839 Dec 21 j 15:37 0°=6
superior conj -3839 Dec 30 j 05:07 10°=39'21 -1°=00'07
minimum elong -3839 Dec 29 j 18:01 10°=0453 0°=59'54
max. Earth dist. -3839 Jan 03 j 14:53 16°=0805 1.72221 AU
desc. node -3839 Jan 14 j 19:01 0°=6
-3839 Feb 07 j 21:25 29°=4732
-3839 Feb 08 j 01:27 0°=6
-3839 Mar 04 j 11:25 0°=6
greatest brilliancy -3839 Mar 24 j 05:50 24°=0741
-3839 Mar 29 j 01:48 0°=6
-3839 Apr 22 j 21:48 0°=6
-3839 May 18 j 11:15 0°=6
-3839 Jun 12 j 16:04 0°=6
asc. node -3839 Jul 09 j 03:54 0°=6
-3839 Jul 14 j 01:10 5°=21'19
evening max el -3839 Aug 05 j 01:04 28°=1826 47°=03'14
-3839 Aug 06 j 18:27 0°=6
-3839 Sep 13 j 12:15 28°=2054 -4.9m
greatest brilliancy -3839 Sep 19 j 02:51 0°=6
-3839 Sep 24 j 08:11 0°=31'44
-3839 Sep 29 j 10:38 30°=26
-3839 Oct 09 j 20:58 25°=4846
-3839 Oct 14 j 21:29 22°=4943 -4°=54'10
minimum elong -3839 Oct 15 j 07:06 22°=3500 4°=5131
min. Earth dist. -3839 Oct 14 j 22:58 22°=4727 0.26382 AU
-3839 Oct 20 j 17:17 19°=2450
asc. node -3839 Nov 03 j 22:43 15°=1537
-3839 Nov 04 j 03:38 15°=1534
-3839 Nov 16 j 01:04 17°=55'14 -4.9m
evening rise -3839 Dec 04 j 18:28 0°=6
-3839 Dec 24 j 10:26 18°=6084 46°=3628
-3839 Jan 04 j 22:17 0°=6
-3839 Feb 01 j 03:09 0°=6
desc. node -3839 Feb 23 j 19:49 26°=0445
-3839 Feb 27 j 04:40 0°=6
desc. node -3839 Mar 24 j 17:15 0°=6
-3839 Apr 18 j 21:09 0°=6
-3839 May 13 j 17:37 0°=6
-3839 Jun 07 j 06:59 0°=6
evening rise -3839 Jul 16 j 16:30 11°=3349'19
asc. node -3839 Jul 21 j 13:21 17°=53'19
-3839 Jul 01 j 13:37 0°=6
-3839 Jul 24 j 08:34 28°=2538 1.71811 AU
-3839 Jul 25 j 14:42 0°=6
max. Earth dist. -3839 Jul 27 j 09:55 3°=3030 1°=1728
-3839 Jul 28 j 03:15 3°=20036 1°=1731
-3839 Aug 18 j 12:19 0°=6
evening rise -3839 Sep 04 j 19:33 21°=4524
-3839 Sep 11 j 08:57 0°=6
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:11, page 14

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

greatest brilliancy -3834 Jan 27 j 19:22 2°30'06"50  -4.8m -3832 Jul 09 j 08:37 0°00'
-morning max el -3834 Mar 06 j 19:10 0°00'00
-desc. node -3834 Mar 23 j 07:28 16°34'40" desc. node -3832 Sep 07 j 01:28 14°30'00'
-morning max el -3832 Aug 02 j 11:44 0°00'
-desc. node -3834 Apr 04 j 22:04 0°00'00
-asc. node -3834 Aug 09 j 07:14 0°00'00
-morning set -3834 May 01 j 18:12 0°00'00
-desc. node -3834 May 27 j 12:49 0°00'00
-asc. node -3834 Jun 21 j 14:46 0°00'00
-evening rise -3834 Nov 21 j 22:23 9°15'57" desc. node -3832 Feb 22 j 22:03 25°31'58"

superior conj -3834 Oct 10 j 09:53 18°16'34" 0°51'25
-minimum elong -3834 Oct 10 j 20:58 18°31'53" 0°51'02
-max. Earth dist. -3834 Oct 13 j 02:58 21°41'49" 1.70839 AU
-eve. rise -3834 Oct 19 j 17:04 0°00'00
-desc. node -3834 Nov 03 j 00:00 17°58'22" greatest brilliancy -3833 Jan 31 j 21:54 22°00'00
-evening rise -3834 Nov 21 j 23:39 11°34'42" asc. node -3833 May 07 j 23:24 15°34'38"
-morning set -3834 Dec 06 j 14:04 0°00'00
-desc. node -3834 Dec 30 j 17:53 0°00'00
-asc. node -3834 Jan 24 j 03:04 0°00'00
-evening rise -3834 Jan 17 j 20:34 0°00'00
-superior conj -3833 Feb 23 j 19:41 7°10'08"55
-minimum elong -3833 Feb 10 j 18:27 0°00'00
-min. Earth dist. -3833 Feb 07 j 12:28 0°00'00
-morning rise -3833 Aug 02 j 05:13 2°58'55" morning set -3833 Nov 15 j 14:17 15°34'38"
-desc. node -3833 Jun 15 j 15:41 4°00'00
-greatest brilliancy -3833 Jul 27 j 10:31 10°24'38" -4.7m
-retrograde -3833 Jul 08 j 21:56 12°34'09" desc. node -3833 Nov 30 j 12:07 4°16'03"
-evening set -3833 Nov 25 j 22:21 7°01'44"
-inferior conj -3833 Jul 29 j 21:03 4°35'55" -8°17'24
-minimum elong -3833 Jul 29 j 13:52 5°09'48" 8°16'29
-max. Earth dist. -3833 Jul 30 j 04:15 4°48'00" 0.27529 AU
-morning rise -3833 Aug 02 j 19:23 2°38'55" morning set -3833 Jan 14 j 06:02 0°00'00
-desc. node -3833 Aug 07 j 20:12 30°00'00" evening rise -3833 Feb 05 j 11:53 27°30'12"
-direct -3833 Aug 19 j 22:23 27°10'41" 0°00'00
-desc. node -3833 Sep 01 j 11:00 0°00'00
-greatest brilliancy -3833 Sep 01 j 22:10 0°12'23" -4.9m
-asc. node -3833 Oct 06 j 13:29 27°16'58"
-retrograde -3833 Oct 09 j 06:04 0°00'00" asc. node -3833 Mar 23 j 07:58 23°40'00"
-max. morning set -3833 Oct 09 j 15:51 0°00'00" asc. node -3833 May 17 j 13:55 0°00'00"
-max. Earth dist. -3833 Oct 07 j 16:34 0°00'00
-max. morning set -3833 Dec 12 j 16:20 0°00'00
-desc. node -3833 Dec 02 j 14:46 0°00'00
-max. morning set -3834 Dec 12 j 22:16 0°00'00
-max. Earth dist. -3834 May 15 j 03:40 21°39'58" 1.73439 AU
-superior conj -3834 May 18 j 18:05 25°31'46" 0°00'00
-minimum conj -3834 May 18 j 06:56 25°31'41" asc. node -3834 Nov 03 j 00:41 12°48'05"
-behind sun begin -3834 May 17 j 09:14 24°29'45"
-behind sun end -3834 May 19 j 04:39 26°38'34" greatest brilliancy -3834 Nov 13 j 15:31 15°27'58" -4.9m
-asc. node -3834 May 18 j 06:25 25°30'04"
-morning set -3834 May 21 j 22:02 0°00'00
-desc. node -3834 Jun 15 j 04:33 0°00'00" morning set -3834 Jul 11 j 20:37 0°00'00"
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<td>11:07</td>
<td>retrograde</td>
<td>25° 30'40&quot;</td>
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<td>05:27</td>
<td>inferior conj</td>
<td>17° 49'34&quot; -5° 34'15&quot;</td>
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<td>minimum elong</td>
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<td>15:07</td>
<td>Desc. node</td>
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<td>0° 01'38&quot;</td>
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<td>asc. node</td>
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<td>evening rise</td>
<td>0° 06'23&quot;</td>
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<td>evening set</td>
<td>0° 00'30&quot;</td>
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<td>15:46</td>
<td>desc. node</td>
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<td>greatest brilliancy</td>
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<td>minimum elong</td>
<td>13° 14'01&quot; 46° 39'02&quot;</td>
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<td>evening set</td>
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<td>morning set</td>
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<td>3821 Sep 17</td>
<td>20:24</td>
<td>Desc. node</td>
<td>10° 39'45&quot;</td>
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<td>3821 Jul 30</td>
<td>11:47</td>
<td>Desc. node</td>
<td>10° 39'45&quot;</td>
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<td>3822 May 25</td>
<td>15:54</td>
<td>evening set</td>
<td>10° 39'45&quot;</td>
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<td>3822 Jun 09</td>
<td>19:42</td>
<td>asc. node</td>
<td>10° 39'45&quot;</td>
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<td>3822 Jul 19</td>
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<td>greatest brilliancy</td>
<td>10° 39'45&quot;</td>
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<td>11:48</td>
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<td>greatest brilliancy</td>
<td>10° 39'45&quot;</td>
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<td>3822 Jan 05</td>
<td>11:48</td>
<td>asc. node</td>
<td>10° 39'45&quot;</td>
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<td>16:58</td>
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<td>15:12</td>
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<td>17° 30'27&quot; -1° 17'27&quot;</td>
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<td>3822 Mar 07</td>
<td>21:38</td>
<td>minimum elong</td>
<td>17° 30'27&quot; -1° 17'27&quot;</td>
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 17

Attention, astronomical year style is used: the year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

max. Earth dist. -3819 Mar 08 j 12:21 18°01'27" 1.73524 AU direct -3817 Aug 15 j 02:13 22°13'20"
-3819 Mar 18 j 02:43 0°H greatest brilliancy -3817 Aug 28 j 03:12 25°38'27" -4.8m
-3819 Apr 11 j 13:26 0°0 asc. node
-3818 Jul 25 j 02:27 0°0 rise -3818 Nov 28 j 16:24 3°17'23"
-3818 Nov 05 j 12:36 0°0 morning set -3816 May 10 j 19:57 17°42'08" 1.73506 AU
-3818 Dec 01 j 21:29 11°29'015" retrograde
-3818 Dec 17 j 02:49 6°45'43" asc. node
-3818 Oct 07 j 12:02 25°25'2404" greatest brilliancy
-3818 Mar 02 j 12:25 25°58'02" 46°01'36" max. Earth dist.
-3818 Mar 16 j 05:47 0°0 evening set
-3818 Mar 21 j 11:35 15°27'3503" desc. node
-3818 Apr 04 j 05:41 0°0 setting
-3818 Apr 30 j 21:03 0°H inferior conj
-3818 May 26 j 12:22 0°0 minimum elong
-3818 Jun 20 j 14:06 0°0 morning rise
-3818 Jul 12 j 08:48 26°37'04" asc. node
-3818 Jul 15 j 02:37 0°0 setting
-3818 Aug 08 j 05:38 0°0 setting
-3818 Aug 26 j 10:25 22°51'24" greatest brilliancy
-3818 Sep 01 j 02:28 0°0 retrograde
-3818 Sep 24 j 20:44 0°0 setting
-3818 Oct 05 j 05:49 13°06'06" minimum elong
-3818 Oct 05 j 17:09 13°41'53" min. Earth dist.
-3818 Oct 07 j 12:02 15°57'08" 1.70868 AU max. Earth dist.
-3818 Oct 18 j 15:28 0°0 direct
-3818 Nov 01 j 04:13 17°01'15" desc. node
-3818 Nov 11 j 12:30 0°0 setting
-3818 Nov 16 j 17:38 6°31'56" evening rise
-3818 Dec 05 j 12:36 0°0 rising
-3818 Dec 29 j 16:35 0°0 setting
-3818 Jul 23 j 02:11 0°0 asc. node
-3818 Jul 23 j 23:49 6°08'38" asc. node
-3818 Jul 23 j 14:04 5°04'54" retrograde
-3818 Jul 23 j 14:04 0°0 setting
-3818 Jul 23 j 02:28 5°42'57" minimum elong
-3818 Jul 23 j 11:22 30°12'20" asc. node
-3818 Jul 25 j 00:00 0°01'716" inferior conj
-3818 Jul 24 j 15:38 0°29'59" maximum elong
-3818 Jul 25 j 07:31 0°01'52" setting
-3818 Jul 28 j 13:42 28°08'37" evening rise
-3818 Jul 25 j 11:22 28°08'37" setting
-3818 Jul 25 j 07:31 0°01'52" setting
-3818 Jul 28 j 13:42 28°08'37" morning rise
-3818 Jul 25 j 07:31 0°01'52" setting
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3814 Feb 06 j 10:31 0°φ
-3814 Mar 02 j 20:42 0°φ
-3814 Mar 21 j 12:13 22°H 44'25
-3814 Mar 27 j 11:49 0°γ
-3814 Apr 21 j 09:19 0°β
-3814 May 16 j 15:28 0°π
-3814 Jun 11 j 11:03 0°ζ
-3814 Jul 08 j 08:25 0°κ
-3814 Jul 11 j 07:31 3°Ω 11'02
-3814 Jul 28 j 13:15 20°Ω 56'28 46°54'41
-3814 Aug 07 j 02:30 0°θ
-3814 Sep 06 j 03:00 20°Ω 52'53 -4.9m
-3814 Sep 16 j 19:37 23°Ω φ0'00
-3814 Oct 02 j 18:25 18°Ω φ0'434
-3814 Oct 07 j 09:35 15°Ω 93'58 -5°53'11
-3814 Oct 07 j 20:11 15°Ω 93'53 5°50'31
-3814 Oct 07 j 14:39 15°Ω 12'16 0.26430 AU
-3814 Oct 12 j 21:47 12°Ω φ8'610
-3814 Oct 27 j 15:43 7°Ω φ44'40
-3814 Nov 01 j 05:09 8°Ω φ0'38
-3814 Nov 08 j 19:47 10°Ω 31'45 -4.9m
-3814 Dec 05 j 21:20 0°κ
-3814 Dec 17 j 03:07 10°Ω 51'35 46°40'10
-3814 Jan 04 j 06:56 0°κ
-3814 Jan 31 j 01:11 0°κ
-3814 Feb 21 j 02:10 24°Ω 25'52 evening max el
-3814 Feb 25 j 20:17 0°κ
greatest brilliancy
-3814 Mar 23 j 05:47 0°κ
-3814 Apr 17 j 07:47 0°κ
-3814 May 12 j 03:06 0°κ
-3814 Jun 05 j 15:52 0°κ
min. Earth dist.
-3814 Jun 13 j 22:52 10°Ω 12'47
-3814 Jun 14 j 19:06 11°Ω 15'13
-3814 Jun 29 j 22:21 0°π
max. Earth dist.
-3814 Jul 17 j 08:22 21°Ω 42'06 1.71993 AU
superior conj.
-3814 Jul 21 j 10:39 26°Ω 49'16 1°13'03
greatest brilliancy
-3814 Jul 21 j 02:46 26°Ω 24'37 1°13'01
-3814 Jul 23 j 23:36 0°κ
evening rise
-3814 Aug 16 j 21:33 0°κ
-3814 Aug 28 j 08:52 14°Ω 24'56
-3814 Sep 09 j 18:38 0°κ
desc. node
-3814 Oct 03 j 17:58 0°κ
-3814 Oct 03 j 17:00 0°κ
-3814 Oct 27 j 18:11 0°κ
-3814 Nov 20 j 23:41 0°κ
asc. node
-3814 Dec 15 j 12:32 0°κ
-3814 Jan 09 j 15:18 0°κ
evening max el
-3814 Mar 02 j 12:23 27°Ω 38'49 45°13'46
-3814 Mar 04 j 23:52 0°κ
greatest brilliancy
-3814 Apr 06 j 18:45 24°Ω 02'27 -4.7m
-3814 Apr 19 j 18:30 26°Ω 58'32
-3814 May 04 j 20:31 22°Ω 03'22
-3814 May 11 j 03:41 18°Ω 53'13 0°59'21
-3814 May 11 j 05:51 18°Ω 04'52 0°58'46
-3814 May 11 j 18:57 18°Ω 29'34 0.28855 AU
desc. node
-3814 May 15 j 10:27 16°Ω φ1'642
-3814 May 17 j 14:41 15°Ω 02'41
desc. node
-3814 Jun 01 j 22:29 10°Ω 34'20
desc. node
-3814 Jun 15 j 05:28 13°Ω 40'57 -4.7m
-3814 Jun 09 j 03:16 0°κ
-3814 Jul 21 j 11:40 11°Ω 25'57 46°16'05
-3814 Aug 08 j 09:54 0°κ
-3814 Sep 03 j 20:37 0°κ
asc. node
-3814 Sep 05 j 08:28 1°Ω 45'31
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*Note: All times are given in UTC.*

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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 22

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

desc. node -3794 Mar 18 j 17:58 13°59'22" desc. node -3794 Sep 02 j 11:51 11°31'36"
-3794 Apr 03 j 03:25 0°m desc. node -3794 Sep 17 j 13:10 0°
-3794 Apr 29 j 12:33 0°H desc. node -3794 Oct 12 j 05:45 0°P
-3794 May 25 j 01:44 0°M desc. node -3794 Nov 06 j 11:48 0°P
-3794 Jun 19 j 00:46 0°H desc. node -3794 Dec 03 j 01:37 0°P

asc. node -3794 Jul 09 j 15:09 25°L 12'28"
evening max el -3794 Dec 14 j 12:35 11°59'54" 46°33'06"
-3794 Jul 13 j 12:22 0° asc. node -3794 Dec 24 j 08:34 21°32'56"
-3794 Aug 06 j 14:59 0°P

morning set -3794 Aug 19 j 03:14 15°241'51" greatest brilliancy -3794 Jan 20 j 10:09 11°32'11' -4.8m
-3794 Aug 30 j 11:46 0°Ω retrograde -3794 Feb 02 j 17:26 14°35'32"
-3794 Sep 23 j 06:11 0°P

superior conj -3794 Sep 27 j 13:04 5°12'24'6 1°05'22" minimum elong -3794 Feb 24 j 05:16 6°56'00' 8°08'13'
minimum elong -3794 Sep 28 j 00:04 5°12'59'30" 1°05'07" min. Earth dist. -3794 Feb 23 j 22:44 6°56'163'3 0.29176 AU
max. Earth dist. -3794 Sep 28 j 16:27 6°56'15'12" 1.70872 AU

desc. node -3794 Oct 17 j 01:05 0°H desc. node -3794 Mar 07 j 03:28 30°P

evening rise -3794 Oct 29 j 10:30 15°32'3'18" direct -3794 Mar 17 j 14:27 27°F 48'19"
-3794 Nov 08 j 19:42 28°36'53"

minimum elong -3794 Nov 09 j 22:14 0°P greatest brilliancy -3794 Mar 29 j 04:30 0°M 12'29" -4.7m
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-3794 Dec 28 j 02:49 0°P morning max el -3794 May 05 j 10:51 7°F35'58" 45°48'44"
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-3793 Jul 04 j 02:36 30°H desc. node -3794 Nov 25 j 22:40 1°35'32"

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asc. node -3793 Jun 11 j 02:20 26°58'52"

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-3793 Jun 18 j 20:54 0°P

inferior conj -3793 Jul 17 j 17:07 23°18'18" 7°24'46" superior conj -3794 Dec 14 j 20:47 25°32'56" 0.42'07"
minimum elong -3793 Jul 17 j 07:26 23°32'58" 7°23'00" minimum elong -3794 Dec 14 j 10:53 25°02'02" 0.41'50"
min. Earth dist. -3793 Jul 18 j 00:40 23°06'52" 0.27757 AU

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greatest brilliancy -3793 Jul 21 j 02:23 18°30'45" -4.8m evening rise -3794 Jan 24 j 09:57 15°54'58"
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asc. node -3793 Nov 29 j 03:10 0°P

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-3792 Mar 06 j 17:13 0°m

desc. node -3792 Mar 31 j 06:51 0°H greatest brilliancy -3794 Aug 29 j 15:11 13°23'02" -4.9m
-3792 May 07 j 13:06 15°17'06" desc. node -3794 Sep 09 j 07:50 15°29'12"

asc. node -3792 May 04 j 16:00 12°28'03'3 1.73594 AU

asc. node -3792 May 07 j 06:16 15°19'59" -0'51'05'

asc. node -3792 May 07 j 09:11 15°45'28'56" 0'14'54'

asc. node -3792 May 07 j 11:48 15°F0'06'14"

asc. node -3792 May 07 j 16:34 15°51'T39'30"

asc. node -3792 May 07 j 13:06 15°51'T39'30" 37°01'56" -4.9m

evening rise -3792 May 07 j 19:41 15°G0'16'14" desc. node -3794 Dec 06 j 06:05 0°0

asc. node -3792 Jun 11 j 20:49 29°B15'13"

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evening rise -3792 Jun 12 j 11:18 0°H

evening rise -3792 Jul 06 j 16:29 0°R

asc. node -3792 Jul 30 j 21:11 0°R

evening rise -3792 Aug 24 j 03:21 0°R
### Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12

Attention, astronomical year is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

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Attention, astronomical year style is used: the year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

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evening max el -3774 Jul 16 j 07:08 8''·25''639 46°·39''05

evening max el -3774 Aug 09 j 15:12 0''·0'' morning set

greatest brilliancy -3774 Aug 24 j 17:19 8''·20''2720 -4.9m

greatest brilliancy -3774 Sep 04 j 06:16 10''·30''06

evening set -3774 Sep 20 j 23:15 5''·11''24

inferior conj -3774 Sep 24 j 21:27 2°·50''50 -7°·16''00

minimum elong -3774 Sep 25 j 07:54 2°·34''59 7°·13''56

min. Earth dist. -3774 Sep 25 j 06:17 2°·37''265 0.26554 AU

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deasc. node -3774 Sep 29 j 16:53 30''·00''

direct -3774 Oct 15 j 06:13 25''·14''427

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desc. node -3773 Feb 16 j 12:45 21''·4''4403

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greatest brilliancy -3772 Apr 08 j 02:38 16°·19''28

evening set -3772 Apr 23 j 13:53 11°·48''343

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greatest brilliancy -3772 Jun 09 j 09:31 0° 17''·0''

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evening set -3772 Dec 07 j 18:08 0° 17''·0''
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 28

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

---

direct
-3764 Mar 19 01:06 27°43'026
-3764 Mar 30 12:43 0°

greatest brilliancy
-3764 Jun 01 06:12 0°42'37 -4.7m

morning max el
-3764 Jul 07 09:28 28°07'52 46°08'26 asc. node
-3764 Jul 09 07:21 0°

evening max el
-3764 Aug 06 12:39 0°

asc. node
-3764 Aug 30 21:18 28°16'37 evening max el
-3764 Sep 01 07:59 0°

-3764 Sep 26 00:50 0°

-3764 Oct 20 05:05 0°

-3764 Nov 13 05:04 0°

-3764 Dec 07 05:34 0°

desc. node
-3764 Dec 20 17:06 16°47'02 inferior conj
-3764 Dec 31 08:30 0°

asc. node
-3764 Jan 11 01:09 13°25'16
desc. node
-3764 Jan 24 14:00 0°
-3764 Jan 17 21:36 0°

superior conj
-3763 Feb 19 09:54 1°m51'48 -1°23'10

minimum elong
-3763 Feb 19 12:04 1°m58'27 1°23'18

max. Earth dist.
-3763 Feb 21 04:35 4°m03'12 1.73275 AU

-3763 Mar 14 06:58 0°

evening rise
-3763 Mar 28 15:55 17°38'24
-3763 Apr 07 18:01 0°

asc. node
-3763 Apr 12 13:13 5°45'52'6

-3763 May 02 06:50 0°

-3763 May 26 21:46 0°

-3763 Jun 20 15:58 0°

-3763 Jul 15 15:56 0°

desc. node
-3763 Aug 02 08:06 20°54'44
-3763 Aug 10 02:46 0°

-3763 Sep 05 11:54 0°

evening max el
-3763 Sep 25 01:07 20°48'49 47°35'21 max. Earth dist.
-3763 Oct 04 09:51 0°

greatest brilliancy
-3763 Nov 02 21:48 21°49'33 -4.9m

retrograde
-3763 Nov 15 03:21 24°53'91

asc. node
-3763 Nov 23 05:25 23°16'21 asc. node

-3763 Nov 29 18:02 20°1740

evening set
-3763 Dec 04 20:46 17°16'48 0.26999 AU

min. Earth dist.
-3763 Dec 05 20:28 16°37'07 3°06'49 evening rise
-3763 Dec 05 14:04 16°47'06 3°04'51

inferior conj
-3763 Dec 11 11:03 13°15'29
direct
-3763 Dec 26 07:07 8°53'100

greatest brilliancy
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desc. node
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desc. node
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-3763 Apr 01 13:55 0°

-3763 Apr 27 16:04 0°

-3763 May 23 01:34 0°

-3763 Jun 16 22:32 0°

asc. node
-3763 Jul 05 23:39 23°20'25
desc. node
-3763 Jul 11 09:04 0°

-3763 Aug 12 04:11 0°

morning max el
-3763 Aug 09 12:45 6°20'30
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superior conj
-3763 Sep 17 09:40 25°18'55 1°13'53
desc. node
-3763 Sep 17 18:54 25°48'05 1°13'45

minimum elong
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-3763 Sep 21 02:45 0°

-3763 Oct 14 21:54 0°

desc. node
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evening rise
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 30

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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

minimum elong
-3749 Jul 02 j 18:46 8°57'54" 0°56'44" greatest brilliancy -3746 Jan 01 j 03:41 6°11'13" -4.8m
-3749 Jul 19 j 15:29 0°
-3749 Aug 08 j 23:55 25°28'31" morning max el -3746 Feb 08 j 19:08 5°16'13" 46°12'16"
-3749 Aug 12 j 14:33 0°
-3749 Sep 05 j 13:11 0°
desc. node -3749 Sep 26 j 10:40 26°07'08"
-3749 Sep 29 j 13:21 0°
-3749 Oct 23 j 16:36 0°
-3749 Nov 17 j 00:58 0°
-3749 Dec 11 j 18:46 0°
-3748 Jan 06 j 07:39 0°
-3748 Jan 17 j 06:59 12°23'41"
-3748 Feb 02 j 15:25 0°
-3748 Mar 07 j 01:05 0°
greatest brilliancy -3749 Jan 09 j 20:23 0°
retrograde -3749 Apr 01 j 05:09 9°55'709" minimum elong -3746 Sep 12 j 17:09 20°44'58" 1°708"
inferior conj -3749 Apr 22 j 15:28 1°45'251" 3°26'58"
minimum elong -3749 Apr 22 j 22:18 1°53'08" 3°25'12"
min. Earth dist. -3749 Apr 23 j 07:21 0.29118 AU evening rise -3746 Oct 23 j 23:05 12°42'31"
-3749 Apr 25 j 11:36 30°
min. day dist. -3749 Apr 28 j 22:55 27°
-3749 May 08 j 03:27 24°
direct -3749 May 14 j 14:42 23°22'25"
greatest brilliancy -3749 May 27 j 12:37 26°22'00" -4.7m
-3749 Jun 03 j 13:03 0°
morning max el -3749 Jul 02 j 18:22 23°47'07" 46°05'51"
-3749 Jul 09 j 01:00 0°
-3749 Aug 05 j 19:29 0°
asc. node -3749 Aug 29 j 01:27 27°08'12" evening max el -3745 Apr 24 j 13:00 18°01'55" 45°14'08"
-3749 Aug 31 j 10:52 0°
-3749 Sep 25 j 01:51 0°
-3749 Oct 19 j 05:05 0°
-3749 Nov 12 j 04:26 0°
-3749 Dec 06 j 04:27 0°
-3749 Dec 18 j 21:20 15°
-3749 Dec 30 j 07:00 0°
-3749 Mar 13 j 04:49 0°
-3749 Mar 24 j 03:45 13°26'50"
-3749 Apr 06 j 16:00 0°
asc. node -3749 Apr 10 j 17:28 4°58'05"
-3749 May 01 j 05:17 0°
-3749 May 25 j 21:05 0°
-3749 Jun 19 j 16:37 0°
-3749 Jul 14 j 18:38 0°
desc. node -3749 Jul 31 j 12:16 19°42'58"
-3749 Aug 09 j 08:48 0°
-3749 Sep 05 j 00:41 0°
-3749 Sep 20 j 07:49 16°06'28" 47°34'40" max. Earth dist. -3744 Apr 22 j 01:09 0°41'33" 1.73702 AU
-3749 Oct 04 j 20:23 0°
greatest brilliancy -3749 Oct 29 j 05:42 17°01'50" -4.9m superior conj -3744 Apr 24 j 00:17 3°46'06" 0°32'30"
retrograde -3749 Nov 07 j 09:22 19°46'35" minimum elong -3744 Apr 24 j 06:15 3°42'29" 0°32'15"
asc. node -3749 Nov 21 j 09:45 17°12'50"
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-3749 Nov 30 j 23:38 11°27'01" 2°23'48"
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minimum elong -3749 Jul 03 j 11:53 0°
morning rise -3749 Dec 06 j 18:09 8°20'05"
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-3749 Dec 21 j 09:37 4°20'34" -3744 Aug 21 j 03:37 0°
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 32

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 32

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| retrograde       | -3739 Oct 05| 04:54  | 0°             | max. Earth dist.        |
| asc. node        | -3739 Nov 20| 11:50  | 14°            | superior conj          |
| evening set      | -3739 Nov 22| 08:47  | 13°            | minimum elong           |
| min. Earth dist. | -3739 Nov 27| 16:20  | 9°             | asc. node               |
| inferior conj    | -3739 Nov 28| 12:56  | 6°             | evening rise            |
| minimum elong    | -3739 Dec 04| 09:14  | 5°             | direct                 |
| asc. node        | -3739 Dec 18| 21:55  | 11°            | greatest brilliancy      |
| morning max el   | -3739 Feb 03| 07:45  | 0°             | desc. node              |
| desc. node       | -3739 Mar 12| 08:57  | 8°             | morning rise            |
| greatest brilliancy | -3739 Sep 25| 15:12  | 17°            | direct                 |
| asc. node        | -3739 Jul 03| 06:02  | 21°            | greatest brilliancy      |
| morning set      | -3739 Aug 02| 09:22  | 29°            | retrograde              |
| min. Earth dist. | -3739 Aug 29| 19:07  | 3°             | inferior conj           |
| maximum elong    | -3739 Aug 29| 21:17  | 17°            | minimum elong           |
| superior conj    | -3739 Sep 09| 02:19  | 16°            | max. Earth dist.        |
| minimum elong    | -3739 Oct 06| 04:58  | 0°             | morning max el          |
| evening rise     | -3739 Oct 21| 07:55  | 10°            | desc. node              |
| desc. node       | -3739 Oct 23| 01:06  | 12°            | morning set             |
| asc. node        | -3739 Nov 06| 05:15  | 0°             | morning rise            |
| evening max el   | -3739 Nov 30| 06:11  | 0°             | greatest brilliancy      |
| desc. node       | -3739 Dec 24| 11:32  | 0°             | direct                 |
| asc. node        | -3739 Dec 17| 13:56  | 0°             | asc. node               |
| minimum elong    | -3739 Feb 12| 12:12  | 1°             | morning rise            |
| asc. node        | -3739 Mar 03| 05:48  | 0°             | direct                 |
| evening rise     | -3739 Mar 10| 04:51  | 18°            | greatest brilliancy      |
| desc. node       | -3739 Mar 19| 12:08  | 0°             | morning max el          |
| asc. node        | -3739 Oct 13| 07:33  | 0°             | desc. node              |
| evening rise     | -3739 Oct 21| 07:55  | 10°            | morning max el          |
| desc. node       | -3739 Oct 23| 01:06  | 12°            | morning set             |
| asc. node        | -3739 Nov 06| 05:15  | 0°             | morning rise            |
| evening max el   | -3739 Nov 10| 04:52  | 7°             | desc. node              |
| desc. node       | -3739 Nov 17| 12:11  | 0°             | morning set             |
| greatest brilliancy | -3739 Dec 05| 17:48  | 4°             | superior conj           |
| retrograde       | -3739 Dec 16| 00:52  | 3°             | minimum elong           |
| inferior conj    | -3739 Dec 17| 00:52  | 3°             | behind sun begin        |
| minimum elong    | -3739 Jan 07| 04:52  | 7°             | behind sun end          |
| min. Earth dist. | -3739 Jul 01| 02:54  | 7°             | max. Earth dist.        |
| morning rise     | -3739 Jul 05| 17:44  | 4°             | evening rise            |
| direct           | -3739 Jul 16| 00:52  | 3°             | morning max el          |
| greatest brilliancy | -3739 Aug 04| 13:19  | 2°             | desc. node              |
| morning max el   | -3739 Sep 08| 22:45  | 0°             | morning set             |
| asc. node        | -3739 Sep 10| 12:04  | 1°             | greatest brilliancy      |
| evening max el   | -3739 Sep 25| 15:12  | 17°            | retrograde              |
| asc. node        | -3739 Oct 06| 17:38  | 0°             | desc. node              |
|-Nov 01 06:10 | 0°             | morning set            |
|-Nov 25 23:39 | 0°             | evening max el         |
|-Nov 26 11:23 | 0°             | evening set            |
|-Nov 27 11:23 | 0°             | extension             |
|-Nov 27 11:23 | 0°             | greatest brilliancy    |
|-Nov 30 23:08 | 0°             | retrograde             |
|-Nov 31 00:40 | 0°             | evening set            |
|-Nov 31 23:07 | 0°             | extension             |

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 34

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

superior conj -3734 Sep 12 09:37 20'Q2'33' -8°15'25" max. Earth dist. -3731 Feb 12 j 13:04 26°38'43"1 1.73094 AU
minimum elong -3734 Sep 12 17:48 20'Q1'31"10' 8°14'16"
min. Earth dist. -3734 Sep 12 19:47 20'Q1'01"0.0 2.6745 AU
morning rise -3734 Sep 16 08:33 18'Q0'43"00' evening rise -3731 Mar 19 j 14:58 9°13'17"
direct -3734 Oct 02 22:22 12'Q4'36"00' -3731 Apr 05 j 14:00 0°
greatest brilliancy -3734 Oct 15 10:22 15'Q2'47" -4.9m asc. node -3731 Apr 08 j 21:37 4°15'03"24'
asc. node -3734 Oct 21 02:27 19'Q3'55"25' -3731 Apr 30 j 03:46 0°
-3734 Nov 05 09:58 0°
0'0"
morning max el -3734 Nov 22 17:12 16'P2'38"46°49'14"
-3734 Dec 05 13:13 0°
-3733 Jan 01 04:37 0°
desc. node -3733 Jan 26 20:35 0°
-3733 Apr 12 01:41 0°
greatest brilliancy -3733 May 06 j 17:58 0°
morning set -3733 May 23 12:03 20'P3'05"50'
-3733 May 31 05:14 0°
asc. node -3733 Jun 04 20:05 5°B4'130"00' min. Earth dist. -3733 Nov 25 j 06:57 7°P1'24"2 0.26754 AU
inferior conj -3733 Jun 24 04:29 29'P3'82"5 1.72609 AU
minimum elong -3733 Jun 24 j 11:26 0°
superior conj -3733 Jun 28 15:04 5°P0'92" 0°52'03"
minimum elong -3733 Jun 28 06:39 4°P4'13'3 0°51'52'
-3733 Jul 18 j 13:24 0°
evening rise -3733 Aug 04 j 06:33 20'P5'24"1
-3733 Aug 11 j 12:52 0°
-3733 Sep 04 j 11:57 0°
desc. node -3733 Sep 24 14:49 25°B9'750"00' asc. node -3733 Jul 30 j 22:01 0°
-3733 Sep 28 12:37 0°
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-3732 Feb 07 j 23:46 3°H42'29" 45°30'26"
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-3732 Mar 27 j 13:43 5°H6'47"5
retrograde -3732 Apr 12 j 11:14 0°F5'404"00'
-3732 Apr 14 j 00:30 0°K3'
superior conj -3732 Apr 18 j 01:04 27°H30'56" 4°00'50"
minimum elong -3732 Apr 18 j 08:42 27°H15'8 3°58'55"
min. Earth dist. -3732 Apr 18 j 16:56 27°H5'58" 0.29167 AU
morning rise -3732 Apr 25 j 05:51 23°H4'54"4 evening rise -3732 Oct 18 j 16:33 7°G2'506"00'
desc. node -3732 May 06 j 07:37 19°K2'139"00'
desc. node -3732 Oct 22 j 03:11 11°K4'430"
direct -3732 May 09 j 21:03 19°K6'56'52"
greatest brilliancy -3732 May 22 j 19:20 22°H2'32'2 -4.7m
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morning max el -3732 Jun 28 00:32 19°P0'7030" 46°30'29"
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-3732 Aug 30 13:18 0°
-3732 Sep 24 j 02:38 0°
-3732 Oct 18 j 04:58 0°
-3732 Nov 11 j 03:44 0°
-3732 Dec 05 j 03:18 0°
asc. node -3732 Dec 17 j 01:32 14°L5'204"00'
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morning set -3732 Dec 31 j 23:36 3°K2'5'58'18"
-3731 Jan 22 j 10:21 0°
-3731 Jan 22 j 10:21 0°
-3731 Jan 22 j 10:21 0°
-3731 Dec 25 j 24:20 0°
morning max el -3731 Feb 09 23:29 22°F54'39" 1°23'40"
minimum elong -3731 Feb 09 22:32 22°F51'42" 1°23'49"
-3731 Feb 09 j 13:04 26°38'43"1 1.73094 AU
-3731 Feb 15 j 17:28 0°0"
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 35

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

max. Earth dist. -3728 Apr 17 j 23:51 27°30'27" 1.73722 AU min. Earth dist. -3728 Sep 23 j 10:22 0° 0.28822 AU

superior conj -3728 Apr 19 j 13:46 28°59'51" -0°38'04" direct -3728 Apr 19 j 13:46 28°59'51" -0°38'04"

minimum elong -3728 Apr 19 j 20:34 29°20'42" 0°37'46" greatest brilliancy -3728 Apr 19 j 20:34 29°20'42" 0°37'46"

asc. node -3728 May 06 j 10:01 19°54'12" asc. node -3728 May 06 j 10:01 19°54'12" retrograde -3728 May 06 j 10:01 19°54'12"

evening rise -3728 May 25 j 07:28 12°57'51" evening set -3728 May 25 j 07:28 12°57'51" -3728 Jan 13 j 10:25 0°

-3728 Jul 26 j 18:06 0° asc. node -3728 Jul 26 j 18:06 0°

-3728 Aug 20 j 04:09 0° retrograde -3728 Aug 20 j 04:09 0°

-3728 Aug 26 j 04:39 7°21'48" evening set -3728 Aug 26 j 04:39 7°21'48"

-3728 Sep 13 j 19:21 0° asc. node -3728 Sep 13 j 19:21 0°

-3728 Oct 08 j 20:10 0° maximum elong -3728 Oct 08 j 20:10 0°

-3728 Nov 03 j 17:40 0° evening max el -3728 Nov 03 j 17:40 0°

-3728 Dec 02 j 00:25 0° asc. node -3728 Dec 02 j 00:25 0°

-3728 Dec 17 j 01:43 13°26'37" greatest brilliancy -3728 Dec 17 j 01:43 13°26'37"

-3728 Apr 05 j 03:52 23°50'36" retrograde -3728 Apr 05 j 03:52 23°50'36"

-3728 Jan 15 j 09:18 27°04'58" evening set -3728 Jan 15 j 09:18 27°04'58"

-3728 Feb 07 j 22:46 21°50'33" evening max el -3728 Feb 07 j 22:46 21°50'33"

-3728 Feb 05 j 00:56 19°03'42" 0.28822 AU minimum elong -3728 Feb 05 j 00:56 19°03'42" 0.28822 AU

-3728 Feb 05 j 14:59 18°54'11" 8°16'53" inferior conj -3728 Feb 05 j 14:59 18°54'11" 8°16'53"

-3728 Feb 05 j 12:42 18°45'43" 8°16'40" maximum elong -3728 Feb 05 j 12:42 18°45'43" 8°16'40"

-3728 Feb 09 j 02:56 16°29'06" evening rise -3728 Feb 09 j 02:56 16°29'06"

-3728 Feb 26 j 22:05 10°32'44" direct -3728 Feb 26 j 22:05 10°32'44"

-3728 Mar 09 j 22:35 12°36'55" -4.7m greatest brilliancy -3728 Mar 09 j 22:35 12°36'55" -4.7m

-3728 Apr 05 j 03:13 0° asc. node -3728 Apr 05 j 03:13 0°

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-3728 Apr 16 j 17:46 10°15'47" 45°49'07" max. Earth dist. -3728 Apr 16 j 17:46 10°15'47" 45°49'07"

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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 41

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
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**Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12.**
### Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12

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<th>Event</th>
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<th>Distance</th>
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<tr>
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 46

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<td>10°52'29&quot;</td>
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 49
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 50

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

direct

-3654 Sep 08 j 09:18 18°ΩE0'00"
-3654 Sep 21 j 06:16 21°ΩE18'47" -4.9m
-3654 Oct 05 j 06:52 0°Ω
-3654 Oct 14 j 00:03 7°Ω12'23"
-3654 Oct 29 j 03:55 21°Ω4703" 46°52'41"
-3654 Nov 05 j 23:48 0°Ω
-3654 Dec 02 j 17:19 0°Ω
-3654 Dec 28 j 04:55 0°Ω
-3653 Jan 22 j 06:41 0°Ω
-3653 Feb 02 j 20:20 13°Ω54'54" evening max el
-3653 Feb 16 j 04:40 0°Ω
-3653 Mar 13 j 00:17 0°Ω
-3653 Apr 06 j 17:22 0°Ω retrograde
-3653 May 01 j 09:36 0°Ω06'45" evening set
-3653 May 01 j 07:24 0°Ω inferior conj
-3653 May 25 j 17:46 0°Ω minimum elong
-3653 May 26 j 17:18 1°Ω12'30" min. Earth dist.
-3653 Jun 02 j 08:02 9°Ω22'03" 1.73151 AU
-3653 Jun 06 j 06:40 14°Ω14'22" direct
-3653 Jun 06 j 02:00 13°Ω59'55" greatest brilliancy
-3653 Jun 19 j 00:15 0°Ω
-3653 Jul 12 j 03:44 28°Ω46'14" morning rise
-3653 Jul 13 j 03:25 0°Ω
-3653 Aug 06 j 04:48 0°Ω
-3653 Aug 30 j 06:25 0°Ω desc. node
-3653 Sep 15 j 11:54 20°Ω10'13"
-3653 Sep 23 j 10:13 0°Ω
-3653 Oct 17 j 18:06 0°Ω
-3653 Nov 01 j 09:17 0°Ω
-3653 Dec 06 j 15:26 0°Ω asc. node
-3652 Jan 02 j 08:14 0°Ω
-3652 Jan 06 j 08:35 4°Ω15'27" evening max el
-3652 Jan 15 j 07:48 13°Ω25'00" 45°55'50"
-3652 Feb 02 j 14:47 0°Ω max. Earth dist.
-3652 Feb 20 j 10:58 11°Ω27'59" -4.7m retrograde
-3652 Mar 04 j 15:00 14°Ω35'21" superior conj
-3652 Mar 21 j 12:21 9°Ω70'01" minimum elong
-3652 Mar 26 j 20:40 6°Ω16'18" 6°24'10"
-3652 Mar 26 j 11:29 6°Ω22'20" 6°22'33"
-3652 Mar 26 j 13:58 5°Ω58'24" 0.29321 AU
-3652 Mar 31 j 10:29 2°Ω59'13" evening rise
-3652 Apr 06 j 08:54 30°Ω
-3652 Apr 16 j 20:02 27°Ω9'52" desc. node
-3652 Apr 27 j 04:53 29°Ω15'07"
-3652 Apr 27 j 21:15 0°Ω direct
-3652 Apr 29 j 08:03 0°Ω34'15" greatest brilliancy
-3652 Jun 04 j 18:43 27°Ω42'08" 45°54'06"
-3652 Jun 07 j 03:49 0°Ω
-3652 Jul 05 j 17:31 0°Ω
-3652 Jul 31 j 21:13 0°Ω evening max el
-3652 Aug 18 j 03:05 20°Ω36'51"
-3652 Aug 25 j 20:22 0°Ω greatest brilliancy
-3652 Sep 19 j 03:16 0°Ω retrograde
-3652 Oct 13 j 02:03 0°Ω
-3652 Nov 05 j 22:36 0°Ω
-3652 Nov 29 j 20:29 0°Ω inferior conj
-3652 Dec 06 j 08:13 8°Ω07'02" minimum elong
-3652 Dec 07 j 22:29 10°Ω06'37" min. Earth dist.
-3652 Dec 23 j 21:08 0°Ω direct
-3651 Jan 16 j 16:30 29°Ω40'52" -1°14'58" asc. node
-3651 Jan 16 j 09:53 29°Ω14'10" 1°14'56"
-3651 Jan 17 j 00:40 0°Ω morning max el
-3651 Jan 20 j 08:22 4°Ω06'51" 1.72571 AU
-3651 Feb 10 j 06:57 0°Ω asc. node
-3651 Feb 24 j 13:43 17°Ω83'29" evening rise

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 53

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

max. Earth dist. -3639 Oct 29 j 14:55 10'Ω1813 1.70988 AU
desc. node -3639 May 02 j 00:30 0'κ

evening rise -3639 Nov 08 j 14:33 22'Ω5126
desc. node -3639 Nov 14 j 07:05 0'π morning max el

evening rise -3639 Dec 07 j 14:17 29'Ω9027

evening set -3639 Dec 08 j 06:29 0'κ

desc. node -3639 Jan 01 j 09:21 0'ζ

evening set -3639 Jan 25 j 16:51 0'η asc. node

evening rise -3639 Feb 19 j 07:13 0'κ

eas. node -3639 Mar 01 j 10:48 12'Ω1423
desc. node -3639 Mar 16 j 07:53 0'γ

evening rise -3639 Apr 10 j 23:57 0'λ

evening set -3639 May 07 j 17:54 0'Π

evening max el -3639 Jun 04 j 11:54 28°38′26" 45°46′55"

Greatest brilliancy -3639 Jul 12 j 17:32 26°54′40" -4.8m

Retrograde -3639 Jul 23 j 18:11 28°53′30"
superior conj -3639 Aug 13 j 10:34 23°05′47" minimum elong

 Inferior conj -3639 Aug 13 j 16:12 21°Ω14′27" -8°51′51" max. Earth dist.

Minimum elong -3639 Aug 13 j 13:48 21°Ω18′06" 8°51′38"

Min. Earth dist. -3639 Aug 12 j 01:17 20°Ω59′13" 0.27307 AU

evening rise -3639 Aug 16 j 13:50 19°Ω30′00"
evening max el -3639 Aug 19 j 21:03 13°Ω55′58"

Direct -3639 Sep 03 j 12:10 13°Ω25′34'

greatest brilliancy -3639 Sep 16 j 12:25 16°Ω31′54" -4.9m

Asc. node -3639 Oct 05 j 10:47 0'Ω asc. node

evening rise -3639 Oct 12 j 04:17 5°Ω40′42" 0'Ω

Morning max el -3639 Oct 24 j 07:36 16°Ω52′02" 46°52′46"

Max. Earth dist. -3639 May 18 j 19:53 0'Π

desc. node -3639 Nov 05 j 15:16 0'Ω desc. node

desc. node -3639 Dec 02 j 00:24 0'κ

Retrograde -3639 Dec 27 j 08:15 0'π desc. node

desc. node -3639 Jan 21 j 07:50 0'κ

evening max el -3639 Feb 01 j 00:38 12°Ω54′03" evening set

evening set -3639 Feb 15 j 04:25 0'Ω

evening set -3639 Mar 11 j 23:05 0'Ω

evening set -3639 Apr 05 j 15:34 0'Ω

evening set -3639 Apr 26 j 23:42 26°Ω20′44"
evening set -3639 Apr 30 j 05:14 0'Ω

Asc. node -3639 May 24 j 21:35 0'Ω minimum elong

Asc. node -3639 May 24 j 21:58 0'Ω min. Earth dist.

Max. Earth dist. -3639 May 18 j 21:52 0'Ω

Superior conj -3639 Jun 01 j 20:21 10°Ω07′08" 0°18′34"

Minimum elong -3639 Jun 01 j 16:45 9°Ω56′00" 0°18′29"

desc. node -3639 Jun 17 j 22:02 0'Π

evening rise -3639 Jul 07 j 15:20 24°Ω29′41" greatest brilliancy

evening rise -3639 Jul 12 j 22:02 0'Π

evening max el -3639 Aug 05 j 03:23 0'Ω

Morning max el -3639 Aug 29 j 05:39 0'Ω

eas. node -3639 Sep 13 j 16:00 19°Ω90′31" asc. node

eas. node -3639 Sep 22 j 10:13 0'Ω desc. node

eas. node -3639 Oct 16 j 19:06 0'Ω

Desc. node -3639 Nov 10 j 11:51 0'Ω

evening rise -3639 Dec 05 j 20:57 0'Ω

Desc. node -3639 Jan 01 j 21:10 0'Ω

eas. node -3639 Jan 04 j 13:00 2°Ω54′37" asc. node

eas. node -3639 Jan 10 j 15:25 8°Ω58′23" 46°01′55"

eas. node -3639 Feb 03 j 16:17 0'Ω morning max el

eas. node -3639 Feb 07 j 16:16 0'Ω

eas. node -3639 Feb 27 j 12:17 0°Ω57′32" 4.7m

evening set -3639 Mar 17 j 03:13 4°Ω44′26" max. Earth dist.

Inferior Conj -3639 Mar 21 j 12:44 2°Ω00′29" 6°46′50" superior conj

Minimum elong -3639 Mar 21 j 21:12 1°Ω47′03" 46°52′56" minimum elong

Min. Earth dist. -3639 Mar 21 j 23:18 1°Ω46′21" 0.29324 AU

desc. node -3639 Apr 24 j 14:24 26°Ω15′55" -4.7m desc. node

desc. node -3639 Apr 25 j 09:06 26°Ω35′39"
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 55

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

evening max el -3628 Jan 08 j 08:05 6°47'36" 46°04'46" morning set -3626 Jun 30 j 21:14 28°22'28"

greatest brilliancy -3628 Feb 04 j 11:46 0°H

greatest brilliancy -3628 Feb 13 j 13:07 5°H0'07" -4.7m

retrograde -3628 Feb 26 j 19:50 8°H1'347" max. Earth dist. -3626 Aug 03 j 06:38 10°02'05" 1.71628 AU

evening set -3628 Mar 14 j 22:37 2°H33'42"

inferior conj -3628 Mar 19 j 05:46 29°M52'51" 6°57'25" superior conj -3628 Aug 06 j 23:50 14°G11'54" 1°27'146"

minimum elong -3628 Mar 19 j 13:58 29°M39'49" 6°56'06" minimum elong -3628 Aug 06 j 19:33 14°G28'27" 1°21'515"

min. Earth dist. -3628 Mar 19 j 13:24 29°M40'42" 0.29320 AU

morning rise -3628 Mar 24 j 05:26 26°M47'45" evening rise -3626 Sep 14 j 23:33 3°M1346642°

direct -3628 Apr 09 j 23:18 21°M06'53"

greatest brilliancy -3628 Apr 22 j 04:31 24°M05'53" desc. node -3626 Oct 10 j 06:31 5°G29'07

desc. node -3628 Apr 24 j 11:13 25°M05'58" Desc. node -3626 Oct 29 j 20:59 0°\text{π}

-3628 May 03 j 03:01 0°H

-3628 May 28 j 21:58 21°H1'12" 45°51'58"

-3628 Jun 06 j 16:41 0°\text{π}

-3628 Jul 04 j 14:45 0°\text{π}

-3628 Jul 30 j 12:39 0°\text{π}

-3628 Aug 15 j 09:28 19°\text{π}02'37

-3628 Aug 24 j 09:05 0°\text{π}

evening max el -3628 Mar 20 j 03:03 15°G50'52" 45°08'54"5

-3628 Sep 17 j 14:37 0°\text{π}

-3628 Oct 11 j 12:40 0°\text{π}

greatest brilliancy -3628 Apr 24 j 14:27 11°G26'39" -4.7m

-3628 Nov 04 j 08:43 0°\text{π}

-3628 Nov 28 j 06:12 0°\text{π}

evening set -3628 May 22 j 05:16 10°G04'29

-3628 Nov 28 j 13:45 0°\text{π}23'39

desc. node -3628 Dec 05 j 04:46 8°\text{π}41'07

-3628 Dec 22 j 06:30 0°\text{π}

inferior conj -3628 May 28 j 17:07 6°G16'20" -1°20'26

minimum elong -3628 May 28 j 14:09 6°G20'35" 1°19'29

min. Earth dist. -3628 May 29 j 06:22 5°G05'34" 0.28621 AU

min. conj -3627 Jan 09 j 07:33 22°G26'24" -1°09'27

min. elong -3627 Jan 08 j 21:23 21°G54'51" 1°09'19

max. Earth dist. -3627 Jan 13 j 07:59 27°G25'39" 1.72402 AU

direct -3627 Jan 15 j 09:46 0°\text{π}

-3627 Feb 08 j 15:52 0°\text{π}

greatest brilliancy -3627 Jul 02 j 17:48 1°G09'33" -4.7m

evening rise -3627 Feb 17 j 12:34 10°G55'30" morning max el -3627 Aug 08 j 01:26 29°G10'40" 46°24'17

-3627 Mar 05 j 01:08 0°\text{H}

-3627 Mar 28 j 01:17 28°H0'33

-3627 Mar 29 j 14:13 0°\text{π}

-3627 Apr 23 j 08:04 0°\text{π}

-3627 May 18 j 08:02 0°\text{π}

-3627 Jun 12 j 16:59 0°\text{π}

-3627 Jul 08 j 17:39 0°\text{π}

desc. node -3627 Jul 17 j 19:57 10°G11'45

-3627 Aug 05 j 04:06 0°\text{π}

evening max el -3627 Aug 14 j 23:02 9°G39'03 47°11'06

-3627 Sep 06 j 08:28 0°\text{π}

-3627 Sep 23 j 07:52 10°G11'22" -4.9m

greatest brilliancy -3627 Oct 04 j 09:29 12°G28'12

retrograde -3627 Oct 19 j 10:31 7°G59'10

evening set -3627 Oct 24 j 22:00 4°G44'09" -3°28'52" superior conj -3627 Mar 21 j 12:09 2°H04'37" -1°08'15

minimum elong -3627 Oct 25 j 05:23 4°G32'49" 3°26'40" minimum elong -3627 Mar 21 j 20:33 2°G30'24" 1°08'05


morning rise -3627 Oct 31 j 03:31 1°G10'11

-3627 Nov 02 j 08:51 30°\text{π}0'11

-3627 Nov 07 j 17:51 28°\text{π}10'13" asc. node -3627 Apr 24 j 13:31 13°G52'28

direct -3627 Nov 14 j 04:05 27°\text{π}09'59" evening rise -3627 Apr 26 j 19:56 16°G39'21

greatest brilliancy -3627 Nov 25 j 19:53 29°G43'54" -4.9m

-3627 Nov 26 j 10:57 0°\text{π}

-3628 Jan 03 j 07:39 29°G16'22" 46°32'47

-3628 Jan 03 j 13:07 0°\text{π}

desc. node -3628 Jan 14 j 08:06 0°\text{π}22'41

-3628 Jan 14 j 08:06 0°\text{π}

-3628 Feb 26 j 07:05 0°\text{π}

desc. node -3628 Feb 27 j 14:33 0°G24'22

-3628 Mar 24 j 23:55 0°\text{π}

-3628 Apr 19 j 07:06 0°\text{H}

greatest brilliancy -3628 May 03 j 09:31 24°G30'36" -4.9m

-3628 Jun 07 j 20:55 0°\text{π}

-3628 Jun 20 j 11:43 15°G30'50" retrograde -3628 Dec 16 j 03:45 27°G35'42
### Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12

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<th>Date</th>
<th>Time</th>
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12,
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

superior conj -3608 Mar 16 23:08 27°50'39" 1°11'44"
greatest brilliancy -3606 Sep 06 19:54 6°56'59"
-4.9m

desc. node -3608 Mar 17 07:06 28°58'15" 1°11'37"
retrograde -3606 Oct 07 08:35 0°Ω

max. Earth dist. -3608 Mar 17 09:34 28°52'24" 1.73601 AU
asc. node -3606 Oct 04 04:51 0°Δ

evening rise -3608 Apr 12 05:31 10°27'55"

asc. node -3608 Apr 22 17:50 12°58'58"

desc. node -3608 May 06 14:52 0°Ω

desc. node -3608 May 31 02:17 0°Π
desc. node -3608 Jun 24 14:45 0°Ω
desc. node -3608 Jul 19 05:58 0°Ω

desc. node -3608 Aug 12 12:13 29°16'09"

asc. node -3608 Aug 13 02:51 0°Θ

desc. node -3608 Sep 07 10:33 0°Ω

desc. node -3608 Oct 03 17:00 0°Π

greatest brilliancy -3608 Nov 01 17:00 19°51'05" -4.9m
asc. node -3608 Dec 03 09:49 21°39'02"
superior conj -3605 May 23 23:50 1°54'21" 0°06'29"

desc. node -3608 Dec 11 11:52 22°56'18"
retrograde -3605 May 23 22:33 1°50'25" 0°06'29"
environment set -3608 Dec 27 05:09 17°50'53" behind sun begin

min. Earth dist. -3608 Dec 31 07:51 15°24'28" 0.27765 AU
behind sun end -3605 May 24 18:53 2°53'04"

inferior conj -3607 Jan 01 10:27 14°42'23" 6°20'52"
environment rise -3605 Jun 28 15:50 16°Π1'44"

minimum elong -3607 Jan 01 01:07 14°57'10" 6°18'52"

morning set -3607 Jan 05 24:17 11°56'58"

direct -3607 Jan 22 04:44 6°43'37"

greatest brilliancy -3607 Feb 01 17:16 8°46'41" -4.8m
asc. node -3607 Mar 04 14:06 0°Ω

morning max el -3607 Mar 12 05:28 7°56'23" 45°58'24"

desc. node -3607 Mar 25 06:18 20°55'45" 45°58'24"

desc. node -3607 Apr 03 16:50 0°θ

desc. node -3607 Apr 30 21:07 0°Π

desc. node -3607 May 26 20:03 0°Ψ

desc. node -3607 Jun 21 00:49 0°Φ

desc. node -3607 Jul 15 15:56 0°Φ

desc. node -3607 Jul 16 03:58 0°Π3'00"
greatest brilliancy -3607 Aug 08 20:34 0°Ψ

greatest brilliancy -3607 Sep 07 18:13 0°Θ

greatest brilliancy -3607 Sep 05 08:53 4°43'30'55"

desc. node -3607 Sep 25 12:42 0°Ψ

greatest brilliancy -3607 Oct 15 15:01 25°12'22"0 0°45'12"

minimum elong -3607 Oct 16 01:25 25°54'47" 0°44'47"

max. Earth dist. -3607 Oct 18 15:48 29°21'13" 1.70912 AU
morning set -3607 Oct 19 07:14 0°Ψ

desc. node -3607 Nov 04 23:20 20°57'47" greatest brilliancy -3607 Nov 04 15:02 17°35'53" -4.7m
desc. node -3607 Nov 12 03:47 0°Ψ

evening rise -3607 Nov 27 04:34 18°54'49"2

evening set -3607 Dec 06 03:16 0°Ψ

evening set -3607 Dec 30 06:21 0°Ψ

evening set -3606 Jan 23 14:28 0°ψ

evening set -3606 Feb 17 06:14 0°Ψ

asc. node -3606 Feb 25 19:22 10°16'42"
asc. node -3606 Mar 14 09:41 0°Ψ
asc. node -3606 Apr 07 07:26 0°ψ
asc. node -3606 May 06 13:55 0°Π

evening max el -3606 May 25 21:56 19°32'47" 45°36'43"
morning set -3606 Jun 06 10:06 0°Ω

desc. node -3606 Jun 17 14:42 8°54'82"
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 60

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<td>26/27</td>
<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
<td>Superior conj</td>
</tr>
<tr>
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<td>03/07</td>
<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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</tr>
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<td>21°&lt;sup&gt;50&lt;/sup&gt;56'32</td>
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<td>30/14</td>
<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
<td>Min. Earth dist.</td>
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<tr>
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<td>27/03</td>
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<td>Maximum elong</td>
</tr>
<tr>
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<td>-3603 Jul</td>
<td>30/22</td>
<td>7°&lt;sup&gt;50&lt;/sup&gt;33'3 1°18'47</td>
<td>Greatest brilliancy</td>
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<td>7°&lt;sup&gt;50&lt;/sup&gt;33'23 1°18'50</td>
<td>Greatest brilliancy</td>
</tr>
<tr>
<td>asc. node</td>
<td>-3603 Aug</td>
<td>17/32</td>
<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
<td>Morning rise</td>
</tr>
<tr>
<td>evening max el</td>
<td>-3603 Sep</td>
<td>07/11</td>
<td>26°&lt;sup&gt;50&lt;/sup&gt;14'03</td>
<td>Morning max el</td>
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<td>-3603 Sep</td>
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<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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<td>Asc. node</td>
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<td>Morning set</td>
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<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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<td>-3603 Apr</td>
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<tr>
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<td>-3603 Apr</td>
<td>30/35</td>
<td>7°&lt;sup&gt;50&lt;/sup&gt;34'07</td>
<td>Minimum elong</td>
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<tr>
<td>evening set</td>
<td>-3603 May</td>
<td>15/55</td>
<td>3°&lt;sup&gt;50&lt;/sup&gt;32'48</td>
<td>Max. Earth dist.</td>
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<tr>
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<td>0°&lt;sup&gt;50&lt;/sup&gt;55'3</td>
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 61

Attention, astronomical year of Venus is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

desc. node -3599 Nov 04 00:59 20°02'23" max. Earth dist. -3599 May 05 08:36 0°H
-3599 Nov 11 15:05 0°π morning max el -3599 May 19 12:19 12°38'09" 45°50'00"
evening rise -3599 Nov 24 13:34 16°12'16" 
-3599 Dec 05 14:36 0°α 
-3599 Dec 29 17:47 0°β 
-3598 Jan 23 02:04 0°σ asc. node -3598 Aug 11 18:04 16°58'35"
-3598 Feb 16 18:11 0°H 
asc. node -3598 Feb 24 21:31 9°46'45" 
-3598 Mar 13 22:24 0°γ 
-3598 Apr 08 21:42 0°ε 
-3598 May 06 07:51 0°Π morning set -3598 Nov 22 09:32 20°01'12" 
evening max el -3598 May 23 11:15 17°13'54" 45°34'19" 
-3598 Jun 06 17:40 0°Ω desc. node -3598 Dec 01 13:13 6°47'00"
greatest brilliancy -3598 Jun 16 16:47 7°32'24" 
-3598 Dec 20 03:11 0°π 
retrograde -3597 Jul 11 09:51 17°02'09" 
-3597 Jul 28 15:10 11°39'01" minimum elong -3596 Dec 29 18:41 12°50'00" 0°59'48"
inferior conj -3598 Aug 01 10:14 9°23'12" -8°24'53" max. Earth dist. -3595 Jan 03 13:23 17°57'35" 1.72158 AU
minimum elong -3598 Aug 01 03:43 9°33'07" 8°24'06" 
min. Earth dist. -3596 Aug 01 18:41 9°10'21" 0.27539 AU 
morning rise -3596 Aug 04 16:02 7°26'09" evening rise -3595 Feb 07 23:57 1°55'54" 
-3595 Aug 22 10:47 1°30'38" 
-3595 Sep 04 11:05 4°33'52" -4.9m 
-3595 Oct 07 09:55 0°Ω asc. node -3595 Mar 24 09:40 26°16'04"
-3595 Oct 27 11:30 0°Ω 
morning max el -3595 Oct 12 02:44 4°43'25" 46°51'14" 
-3595 Nov 04 09:09 0°π 
-3595 Nov 30 02:24 0°α 
-3595 Dec 25 02:37 0°π desc. node -3595 Jul 14 04:34 7°06'25'18"
-3597 Jan 18 21:39 0°π 
desc. node -3597 Jul 27 11:13 10°22'25" evening max el -3595 Aug 05 09:29 0°10'54" 47°00'36"
-3597 Feb 12 15:12 0°β 
-3597 Mar 09 07:45 0°α 
-3597 Apr 02 22:46 0°Ω greatest brilliancy -3595 Sep 13 13:26 0°15'05" -4.9m retrograde -3595 Sep 24 09:02 2°26'35"
morning set -3595 Apr 15 21:59 15°50'36" 
-3595 Apr 27 11:33 0°Ω evening set -3595 Oct 05 08:09 30°01'57" 
-3595 May 18 12:04 25°49'17" 1.73434 AU 
asc. node -3595 May 20 08:06 28°04'51" min. elong -3595 Oct 15 08:10 24°29'59" 45°30'9" 
min. Earth dist. -3595 Oct 15 05:09 24°40'39" 0.26388 AU 
superior conj -3595 May 21 19:00 29°52'7" 0°03'27" morning rise -3595 Oct 20 18:16 21°20'31"
-3595 May 21 18:19 29°50'10" 0°03'29" direct -3595 Nov 04 04:10 17°09'44" 
-3595 May 20 20:41 28°43'33" 
-3595 May 22 15:57 0°56'49" 
-3595 May 21 21:30 0°Ω greatest brilliancy -3595 Nov 16 05:01 19°53'28" -4.9m 
-3595 Dec 02 10:14 0°Ω 
-3595 Jun 15 04:25 0°Π 
morning max el -3595 Dec 24 13:21 20°06'44" 46°37'58" 
evening rise -3595 Jun 26 10:33 13°07'501" 
-3597 Jul 09 08:46 0°Ω 
-3597 Aug 02 11:58 0°Ω 
-3597 Aug 26 15:52 0°Ω 
desc. node -3597 Sep 09 02:35 16°38'30" 
-3597 Sep 19 22:29 0°Ω 
-3597 Oct 14 10:14 0°π 
-3597 Nov 08 07:37 0°α 
-3597 Dec 04 01:58 0°Ω 
asc. node -3596 Jun 16 20:17 13°41'59" 
evening max el -3596 Dec 29 19:37 27°41'11" 46°16'49" 
asc. node -3596 Dec 30 23:39 28°51'13" 
-3596 Jan 01 03:26 0°σ 
greatest brilliancy -3596 Feb 04 11:18 26°03'22" -4.7m max. Earth dist. -3596 Jul 24 17:07 0°46'22" 1.71862 AU
retrograde -3596 Feb 17 15:08 29°41'37" 
-3596 Mar 06 03:20 23°48'02" 
inferior conj -3596 Mar 10 01:59 21°19'31" 7°33'44" minimum elong -3596 Mar 28 08:12 5°18'54" 1°17'34" 
-3596 Mar 10 08:41 21°08'50" 7°32'53" 
min. Earth dist. -3596 Mar 10 06:15 21°12'43" 0.29279 AU evening rise -3596 Sep 04 02:22 23°47'03"
morning rise -3596 Mar 14 14:05 18°30'32" 
-3596 Sep 09 21:07 0°Ω 
direct -3596 Mar 31 16:50 12°54'32" 
greatest brilliancy -3596 Apr 12 16:36 15°02'48" -4.7m desc. node -3596 Oct 06 14:49 3°32'42" 
desc. node -3596 Apr 20 19:41 19°38'21"
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3594 Nov 20 j 23:16 0°°°
-3594 Dec 15 j 09:46 0°°°°
-3593 Jan 09 j 08:10 0°°°°

asc. node
-3593 Jan 27 j 11:29 21°40'10"35
-3593 Feb 04 j 05:41 0°°°° asc. node
-3593 Mar 04 j 05:39 0°°°°

evening max el
-3593 Mar 10 j 18:29 6°24'33" 45°12'02
-3593 Apr 09 j 12:10 0°°°° morning set

Greatest brilliancy
-3593 Apr 15 j 01:19 2°54'43" -4.7m
-3593 Apr 27 j 23:50 5°38'08"

Retrograde
-3593 Apr 27 j 23:50 5°38'08"

Evening set
-3593 May 12 j 22:38 1°44'22"50'

Minimum elong
-3593 May 15 j 09:27 30°°"25'

Inferior conj
-3593 May 19 j 08:40 27°°°3'16" -0°00'49"

Minimum elong
-3593 May 19 j 08:39 27°°°3'18" 0°00'45" max. Earth dist.

Transit middle
-3593 May 19 j 08:39 27°°°3'18" 0°00'45"

Transit begin
-3593 May 19 j 04:34 27°°°41'37" desc. node

Transit end
-3593 May 19 j 12:43 27°°°29'00"

Desc. node
-3593 May 19 j 07:16 27°°°3'27"

MIN. Earth dist.
-3593 May 19 j 22:23 27°°°14'03" 0.28774 AU

Morning rise
-3593 May 25 j 18:10 23°°°4'15"

Direct
-3593 Jun 10 j 02:54 19°°°18'06"

Greatest brilliancy
-3593 Jun 23 j 09:53 22°°°25'02" -4.7m

Morning max el
-3593 Jul 06 j 07:12 0°°°° asc. node

Greatest brilliancy
-3593 Jul 06 j 07:12 0°°°°

Aug 08 j 07:16 0°°°° morning rise

Aug 04 j 09:37 0°°°°

Asc. node
-3593 Sep 09 j 05:39 5°°°37'32" evening max el

-3593 Sep 29 j 15:59 0°°°°

Sep 17 j 06:44 0°°°°

Sep 11 j 09:29 0°°°° retrograde

Dec 30 j 01:23 23°°°09'27"

Jan 04 j 14:01 0°°°°

Jan 28 j 20:46 0°°°° minimum elong

Feb 03 j 07:38 6°°°43'21"

Feb 22 j 05:15 0°°°° morning rise

Superior conj
-3592 Nov 12 j 09:42 23°°°85'15" -1°14'50"

Minimum elong
-3592 Nov 12 j 17:02 23°°°75'45" 1°14'45"

Max. Earth dist.
-3592 Nov 13 j 06:41 24°°°39'42" 1.73550 AU

Nov 17 j 14:58 0°°°°

Sep 07 j 01:34 0°°°°

Aug 18 j 00:02 8°°°30'30"

Asc. node
-3592 Apr 20 j 21:58 12°°°04'56"

May 05 j 12:50 0°°°°

May 30 j 00:48 0°°°°

Jun 23 j 14:11 0°°°°

Jul 18 j 06:46 0°°°°

Aug 10 j 16:26 28°°°08'54"

Aug 12 j 05:39 0°°°°

Sep 06 j 16:35 0°°°°

Oct 03 j 05:41 0°°°°

evening max el
-3592 Oct 16 j 15:53 14°°°12'47" 47°31'22"

Oct 02 j 04:21 0°°°°

Oct 24 j 02:41 15°°°12'53" -4.9m

Asc. node
-3592 Dec 01 j 14:06 17°°°41'41"

Retrograde
-3592 Dec 06 j 18:42 18°°°14'02"

Evening set
-3592 Dec 22 j 05:41 13°°°03'19"

Min. Earth dist.
-3592 Dec 26 j 12:57 10°°°45'20" 0.27602 AU

 Inferior conj
-3592 Dec 27 j 16:00 10°°°49'29" 5°52'01" behind sun begin

Minimum elong
-3592 Dec 27 j 06:38 10°°°17'20" 0°00'45" behind sun end

Morning rise
-3591 Jan 01 j 08:26 7°°°09'46"

Direct
-3591 Jan 17 j 09:24 2°°°26'52" evening rise

Greatest brilliancy
-3591 Jan 27 j 20:05 4°°°08'27" -4.8m

Mar 04 j 17:00 0°°°°

Mar 07 j 09:53 2°°°34'17" 46°00'15"

Desc. node
-3591 Mar 23 j 10:26 18°°°40'28" desc. node
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

**Description**
- **Node Dates**
  - **Desc. Node**: -3586 Feb 23, 01:00: 27°
  - **Asc. Node**: -3588 Aug 10, 20:05: 16°

- **Max El**
  - **Evening Max El**: -3588 Dec 27, 10:40: 46°20'03"
  - **Morning Max El**: -3588 Dec 30, 01:50: 28°50'15"

- **Elongation**
  - **Minimum Elong**: -3587 Oct 12, 20:27: 21°
  - **Maximum Elong**: -3588 Mar 29, 09:05: 10°

- **Visible Phases**
  - **Superior Conj**: -3588 Apr 19, 21:51: 18°
  - **Minimum Earth Dist**: -3588 Mar 7, 22:05: 19°

**Departure Dates**
- **Minimum Elong**: -3586 Apr 16, 17:36: 0°
- **Elongation**: -3586 May 05, 14:16: 0°

**Nightly Phenomena**
- **Greatest Brilliance**: -3586 Feb 15, 08:40: 27°
- **Minimum Elong**: -3588 May 07, 14:13: 18°
- **Minimum Earth Dist**: -3588 Mar 29, 09:05: 10°

**Sun-Earth-Venus Configuration**
- **Superior Conj**: -3588 Aug 10, 20:05: 16°
- **Min. Earth Dist**: -3585 May 18, 04:13: 0°

**Orbital Elements**
- **Elongation**: -3586 Apr 15, 01:01: 20°
- **Minimum Earth Dist**: -3585 May 17, 04:07: 22°

**Positional Data**
- **Superior Conj**: -3588 Jul 27, 16:46: 10°
- **Min. Earth Dist**: -3588 Jul 27, 08:20: 18°
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<td>20°25'18&quot;</td>
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<tr>
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<td>2°01'20&quot;</td>
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<td>4°57'59&quot;</td>
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<td>0°01'12&quot;</td>
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<td>Minimum El</td>
<td>3577 Oct</td>
<td>02:22</td>
<td>0°01'00&quot;</td>
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<tr>
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<td>3579 Jul</td>
<td>03:03</td>
<td>2°01'20&quot;</td>
<td></td>
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<tr>
<td>Minimum El</td>
<td>3577 Sep</td>
<td>02:21</td>
<td>0°01'12&quot;</td>
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<tr>
<td>Ascending Node</td>
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<td>02:19</td>
<td>2°01'20&quot;</td>
<td></td>
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<tr>
<td>Minimum El</td>
<td>3577 Oct</td>
<td>02:19</td>
<td>0°01'00&quot;</td>
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<td>3577 Oct</td>
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3569 Nov 15 18:37 0°\(\alpha\)
-3569 Dec 09 20:21 0°\(\pi\)
desc. node -3569 Dec 27 07:40 21°42'43"
-3568 Jan 03 00:05 0°\(\alpha\)
morning set -3568 Jan 27 00:16 29°41'43"
-3568 Jan 27 06:11 0°\(\pi\)
-3568 Feb 20 14:12 0°\(\pi\)
superior conj -3568 Mar 05 12:40 17°00'85" 1°18'41"
minimum elong -3568 Mar 05 18:40 17°02'16" 1°18'41"
max. Earth dist. -3568 Mar 06 18:06 18°09'18" 1.73454 AU
-3568 Mar 15 23:40 0°\(\pi\)
greatest brilliancy -3568 Mar 25 23:56 25°14'18" -4.8m
-3568 Apr 09 10:17 0°\(\pi\)
evening rise -3568 Apr 11 08:13 2°42'04'7"
asc. node -3568 Apr 18 04:20 10°43'41"
-3568 May 03 21:59 0°\(\alpha\)
-3568 May 28 10:52 0°\(\pi\)
-3568 Jun 22 01:44 0°\(\alpha\)
-3568 Jul 16 20:30 0°\(\pi\)
desc. node -3568 Jul 25 22:43 26°42'36"
-3568 Aug 07 22:43 26°42'36"
-3568 Jan 07 22:43 26°42'36"
morning max el -3568 Aug 17 00:44 2°19'18"
-3568 Aug 10 21:41 0°\(\pi\)
-3568 Sep 05 15:13 0°\(\alpha\)
-3568 Oct 02 16:37 0°\(\pi\)
evening rise max el -3568 Oct 09 10:26 7°40'09'34" 47°33'40"
-3568 Nov 03 19:07 0°\(\pi\)
greatest brilliancy -3568 Nov 17 04:27 8°43'10'15" -4.9m
asc. node -3568 Nov 28 20:30 11°42'03'31"
-3568 Nov 29 14:25 11°40'06'12"
-3568 Dec 14 18:11 6°22'36'57"
min. Earth dist. -3568 Dec 19 09:44 3°41'30'03" 0.27371 AU
inferior conj -3568 Dec 20 11:30 2°58'24" 5°03'04"
minimum elong -3568 Dec 20 12:02 3°41'12'34" 5°03'04"
morning rise -3568 Dec 25 11:34 29°54'58"
asc. node -3568 Dec 25 08:04 30°40'\(\pi\)
direct -3568 Jan 10 00:56 25°36'07"
greatest brilliancy -3568 Jan 20 15:53 27°31'11'04" -4.8m
-3568 Jan 26 19:19 0°\(\pi\)
morning max el -3568 Feb 03 03:39 25°42'04'23" 46°03'45"
-3568 Mar 04 13:32 0°\(\pi\)
desc. node -3568 Mar 20 16:47 16°36'10'14"
-3568 Apr 02 02:09 0°\(\pi\)
-3568 Apr 28 17:14 0°\(\pi\)
-3568 May 24 09:49 0°\(\pi\)
-3568 Jun 18 11:12 0°\(\alpha\)
asc. node -3568 Jul 11 14:40 28°15'38" 0°\(\pi\)
-3568 Jul 13 00:33 0°\(\pi\)
-3568 Aug 06 04:26 0°\(\pi\)
morning max set -3568 Aug 24 03:39 22°30'30"
-3568 Aug 30 01:57 0°\(\pi\)
-3568 Sep 22 20:32 0°\(\pi\)
superior conj -3568 Oct 02 16:50 12°29'25" 1°00'26"
minimum elong -3568 Oct 03 04:08 13°29'01'27" 1°00'06"
max. Earth dist. -3568 Oct 04 05:19 14°29'20'56" 1.70882 AU
-3568 Oct 16 15:14 0°\(\pi\)
desc. node -3568 Oct 31 09:27 18°34'10"
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evading rise -3568 Nov 14 01:18 5°42'23'7"
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morning rise max el -3568 Dec 27 15:11 0°\(\pi\)
-3566 Jan 21 00:13 0°\(\pi\)
-3566 Feb 14 17:59 0°\(\pi\)
asc. node -3566 Feb 21 05:54 7°54'46'25"
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-3566 May 05 12:32 0°\(\pi\)
evening max el -3566 May 13 19:31 8°10'7" 15°45'26'02"
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 68

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

**Greatest Brilliance**
- -3564 Apr 05: 17:29 18°
- -3565 Jan 16: 12:39 15°
- -3566 May 31: 19:36 10°

**Minimum Earth Distance**
- -3562 Jul 15: 00:05 21°
- -3564 Dec 24: 17:37 1.71930 AU
- -3560 Mar 04: 12:06 16°

**Superior Conjunct**
- -3559 Sep 30: 03:38 9°

**Retrograde**
- -3562 May 27: 22:36 8°
- -3560 Apr 08: 21:16 8°
- -3560 Mar 04: 12:06 16°

**Direct**
- -3561 May 31: 19:36 10°
- -3560 Apr 17: 06:30 10°

**Morning Rise**
- -3564 May 30: 20:30 9°
- -3564 May 19: 09:06 7°

**Evening Rise**
- -3562 Nov 04: 17:48 0°

**Morning Set**
- -3564 Nov 07: 00:00 1°
- -3564 Dec 17: 16:55 0°

**Evening Set**
- -3564 Dec 12: 06:15 4°

**Minimum Long**
- -3564 Oct 02: 17:45 0°
- -3563 Aug 05: 15:32 0°
- -3563 Oct 02: 17:45 0°

**Asc. Node**
- -3564 Mar 21: 02:38 0°

**Desc. Node**
- -3564 May 27: 23:15 0°

**Superior Conjunct**
- -3564 May 03: 05:05 14°

**Minimum Long**
- -3564 Sep 30: 14:48 10°

**Maximum Elong**
- -3564 Sep 30: 14:48 1°

**Max. Earth Dist.**
- -3564 Oct 01: 13:26 1°

**Minimum Elong**
- -3564 Sep 30: 14:48 1°
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12. page 71

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

evening set -3546 Jun 08 j 07:54 7°

asc. node -3546 Dec 25 12:32 23°39'33"

superior conj -3546 Jan 01 15:39 0°a

greatest brilliancy -3546 Jan 21 18:42 13°m36'08" -4.8m

retrograde -3546 Feb 03 22:23 16°m44'14"

evening set -3546 Feb 21 17:30 10°m38'48"

inferior conj -3546 Feb 25 07:23 8°m22'49 8°09'21" evening rise -3546 Aug 21 04:15 9°b16'22"

minimum elong -3546 Feb 25 10:43 8°m17'28 8°09'04"

min. Earth dist. -3546 Feb 25 03:37 8°m28'51 0.29130 AU

morning rise -3546 Feb 29 04:09 5°m56'38 desc. node -3546 Oct 01 03:24 0°a36'40"

direct -3546 Mar 17 19:50 0°a00'18" evening set -3546 Oct 24 17:14 0°a16'

greatest brilliancy -3546 Mar 29 07:02 2°m22'08 -4.7m

desc. node -3546 Apr 15 08:26 12°a21'27
desc. node -3546 May 05 13:44 29°a44'13 45°48'15"

evening set -3546 May 05 20:21 0°H asc. node -3546 May 13 19:59 9°b49'22" direct -3546 May 27 05:05 6°b20'29"

superior conj -3546 Dec 14 20:54 27°b26'36 -0°41'56 greatest brilliancy -3546 Jun 09 11:18 9°b25'16 -4.7m

minimum elong -3546 Dec 14 11:02 26°b55'48 0°a41'37" evening set -3546 Jul 08 06:29 0°a41'37"

max. Earth dist. -3546 Jul 15 14:55 6°b55'55 46°10'50"

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evening rise -3546 Mar 18 22:24 23°b27'55 asc. node -3546 Oct 21 05:09 0°a41'37"

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minimum elong -3546 Apr 18 06:23 0°c15'23" evening set -3546 Oct 07 18:15 0°a15'23"

max. Earth dist. -3546 May 13 14:46 15°b59'01 desc. node -3546 Dec 24 13:57 20°b15'59"

evening set -3546 Jun 08 14:37 0°d00'01 morning set -3546 Jan 01 10:05 0°c15'23"

asc. node -3546 Jul 05 02:12 0°c15'23 asc. node -3546 Jan 19 35'07 0°c15'23"

evening max el -3546 Jul 21 06:03 15°c14'14 46°24'23" evening set -3546 Jan 19 35'07 0°c14'14"

greatest brilliancy -3546 Aug 07 20:58 0°b20'43" superior conj -3546 Feb 27 13:59 10°a36'41 -1°21'32"

minimum elong -3546 Aug 29 18:19 15°b20'43 -4.9m evening max el -3546 Apr 07 19:06 0°b20'43"

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evening set -3546 Sep 25 17:36 12°b14'53 evening rise -3546 Apr 29 15:35 26°b08'37'

inferior conj -3546 Sep 29 22:27 9°b45'05 -6°46'41" evening set -3546 Apr 07 19:06 0°b45'05"

minimum elong -3546 Sep 30 09:13 9°b28'45 6°44'21"

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desc. node -3546 Nov 01 14:46 5°b00'11 -4.9m morning set -3546 Nov 05 05:01 24°b22'58" evening set -3546 Nov 08 07:54 7°b13'17"

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desc. node -3546 Jan 28 04:19 0°b20'43" evening max el -3546 Oct 02 09:25 0°b20'43"

greatest brilliancy -3546 Feb 18 11:34 24°b52'47 evening max el -3546 Apr 01 08:41 29°a58'07 47°34'55"

minimum conj -3546 Feb 18 22:53 0°b20'43"" evening set -3546 Nov 07 23:32 0°b20'43""

maximum dist. -3546 Mar 20 02:44 0°b20'43" greatest brilliancy -3546 Nov 10 02:21 0°b59'52" -4.9m

retrograde -3546 Apr 14 03:18 0°b20'43" asc. node -3546 Nov 22 11:33 3°b53'55"

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asc. node -3546 Jun 07 08:10 10°b59'36" min. Earth dist. -3546 Dec 12 04:04 26°b29'03 0.27152 AU
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Note: All times are in UTC and distances are in astronomical units (AU).
| Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 73 |
|---|---|---|---|---|---|
| ascend node | -3539 Oct 28 j 17:28 1°38'55"04' | -3536 Jun 20 j 01:30 0°00"22' | greatest brilliancy | -3539 Oct 30 j 04:40 2°39'31"53' | -4.9m |
| morning max el | -3539 Dec 04 j 09:27 0°00" | desc node | -3539 Dec 07 j 09:57 3°00'15"59' 46°45'33" |
| descend node | -3538 Jan 01 j 12:28 0°00" | evening max el | -3538 Jan 27 j 18:30 0°00" |
| morning set | -3538 Feb 17 j 13:40 24°30'20"51' | | -3538 Feb 23 j 08:38 0°00" |
| ascend node | -3538 Feb 22 j 01:28 0°00" | greatest brilliancy | -3538 Feb 26 j 01:28 0°00" |
| maximum elong | -3538 Feb 22 j 01:28 0°00" | asc node | -3538 Feb 28 j 01:28 0°00" |
| superior conj | -3538 Feb 12 j 11:48 20°14'15"57' 1°05'51" |
| minimum elong | -3538 Feb 12 j 13:06 19°48'49" 1°05'43" |
| superior conj | -3538 Jul 08 j 05:43 14°38'57"50' 17.2300 AU |
| maximum elong | -3538 Jul 13 j 01:12 17°38'01"00" |
| asc node | -3538 Jul 23 j 02:21 0°00" |
| greatest brilliancy | -3538 Jul 29 j 14:37 17°42'24"22' 1°05'51" |
| retrograde | -3538 Apr 11 j 16:59 20°14'24"29' |
| evening set | -3538 Apr 27 j 01:23 16°11'12" |
| inferior conj | -3538 May 03 j 02:56 12°28'33"46' 2°13'54" |
| minimum elong | -3538 May 03 j 07:38 12°26'27" 1°23'7" |
| asc node | -3538 May 13 j 01:22 17°38'57"22' |
| descend node | -3538 May 17 j 01:54 39°31'53' |
| evening set | -3538 May 24 j 22:15 4°21'02"80' |
| asc node | -3538 May 27 j 14:27 0°00" |
| greatest brilliancy | -3538 Jun 07 j 03:21 17°15'16' 4.7m |
| maximum elong | -3538 Jul 13 j 02:28 4°34'11"46"09'33" |
| ascend node | -3538 Aug 06 j 10:44 0°00" |
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| descend node | -3538 Dec 23 j 15:58 19°47'20" |
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| morning set | -3538 Jan 17 j 02:46 20°00'60"50" |
| superior conj | -3538 Feb 25 j 05:54 8°00'24"49' 1°22'15" |
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| max. Earth dist. | -3538 Feb 27 j 00:40 10°00'36"27' 1.73315 AU |
| max. Earth dist. | -3538 Mar 13 j 19:06 0°00" |
| evening rise | -3538 Apr 02 j 09:45 24°04'11" |
| as node | -3538 Apr 14 j 12:51 8°00'54"46" |
| as node | -3538 May 01 j 18:15 0°00" |
| as node | -3538 May 26 j 08:30 0°00" |

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:12, page 74

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

desc. node -3533 Jan 14 j 22:11 0°  evening max el -3531 Jul 16 j 07:48 10° 53'40" 46°36'20"
-3533 Jan 20 j 03:57 6° 24'20"  evening max el -3531 Aug 07 j 00:46 0°
-3533 Feb 08 j 11:44 0°  greatest brilliancy -3531 Aug 24 j 16:51 10° 20'31" -4.9m
-3533 Mar 05 j 01:21 0°  retrograde -3531 Sep 04 j 07:35 12° 25'15"
morning set -3533 Mar 29 j 01:06 29°  evening set -3531 Sep 21 j 00:05 7° 05'17"
-3533 Mar 29 j 14:23 0°  inferior conj -3531 Sep 24 j 22:13 4° 45'28" -7°17'02"
-3533 Apr 21 j 02:10 0°  minimum elong -3531 Sep 25 j 08:40 4° 29'40" 7°14'59"
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morning rise -3533 Feb 24 j 09:53 1° 44'22"  evening rise -3533 Aug 12 j 17:02 0°
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direct -3533 Mar 13 j 02:57 25° 24'15"  direct -3533 Sep 05 j 15:15 0°
greatest brilliancy -3533 Mar 24 j 13:22 28° 03'19" -4.7m  greatest brilliancy -3533 Sep 29 j 07:37 29° 38'07"
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morning max el -3533 Apr 30 j 21:19 25° 02'15" 45°48'17"  morning max el -3533 Nov 20 j 16:24 0°
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-3533 May 05 j 15:18 0°  morning rise -3533 May 07 j 05:31 6°45'39"
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superior conj -3533 Aug 18 j 08:16 0°  greatest brilliancy -3533 Jul 08 j 07:16 0°
minimum elong -3533 Aug 18 j 08:16 0°  morning max el -3533 Jul 10 j 23:17 2°33'46" 46°08'10"
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13, page 84

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3483 Mar 11 15:24 19°41'53"
-3483 Mar 20 04:20 0°γ
-3483 Apr 14 08:13 0°κ
-3483 May 10 02:23 0°π
-3483 Jun 05 21:21 0°ο desc. node
-3483 Jul 01 10:09 26°26'20"
evening max el
-3483 Jul 01 12:28 26°31'56" 46°17'08" morning set
-3483 Jul 05 03:34 0°ο asc. node

greatest brilliancy -3483 Aug 09 16:08 25°32'44" -4.8m
retrograde -3483 Aug 20 05:27 27°35'17" superior conjn
evening set -3483 Sep 06 18:56 21°49'12" minimum elong
inferior conj -3483 Sep 09 23:08 19°35'32" max. Earth dist.
minimum elong -3483 Sep 10 06:33 19°44'20" 8°23'30"
min. Earth dist. -3483 Sep 10 11:22 19°37'03" 0.26826 AU
morning rise -3483 Sep 13 17:57 17°40'11" evening rise
-3483 Sep 30 11:33 12°14'59" asc. node
-3483 Oct 13 04:47 15°41'47" greatest brilliancy
asc. node -3483 Oct 22 09:54 20°Q2'50" Apr 30 03:36 5°γ0'519"
-3483 Nov 03 15:38 0°Ψ
morning max el -3483 Nov 20 06:40 15°51'05" 45°50'45"
-3483 Dec 03 03:15 0°Ω
-3482 Dec 30 04:46 0°Μ desc. node
-3482 Jan 24 19:15 0°αι
desc. node -3482 Feb 11 04:29 20°38'38" evening max el
-3482 Feb 19 00:47 0°ρ ascending node
-3482 Mar 16 01:24 0°θ superior conjn
-3482 Apr 09 21:57 0°υ max. Earth dist.
-3482 May 04 14:19 0°φ retrograde
-3482 May 21 13:19 20°γ44'47" evening set
-3482 May 29 02:04 0°δ asc. node
-3482 Jun 04 01:55 7°22'55" min. Earth dist.
-3482 Jun 22 08:58 0°η superior conjn
-3482 Jun 22 09:55 0°Ω0'257" 1.72724 AU
max. Earth dist. -3482 Jun 23 14:21 6°29'22" 1°13'33"
morning rise -3482 Nov 23 19:24 2°52'41" 30°56'05" 0°49'46" 47°30'57"
-3482 Dec 03 15:13 0°Φ
-3482 Dec 07 21:10 19°58'07"

superior conj -3482 Jun 26 15:32 5°18'16" 0°49'46"
minimum elong -3482 Jun 26 07:18 4°52'41" 0°49'33" direct
-3482 Jul 16 11:37 0°π
evening rise -3482 Aug 02 02:56 20°Q47'29"
greatest brilliancy -3482 Aug 25 00:03 1°00'046" -4.8m
-3482 Aug 09 11:35 0°κ
-3482 Sep 02 11:02 0°μ max. Earth dist.
-3482 Sep 23 20:11 26°04'120"
-3482 Sep 26 11:57 0°α asc. node
-3482 Oct 20 15:57 0°Π desc. node
-3482 Nov 14 01:08 0°σ
desc. node -3482 Dec 08 20:05 0°ρ
-3481 Jan 03 11:28 0°λ evening rise
-3481 Jan 14 17:23 12°58'35'50" asc. node
-3481 Jan 31 02:48 0°Ο2 Ascending Node
evening max el -3481 Feb 05 18:40 5°38'35" 45°35'18" morning set
-3481 Mar 07 19:39 0°φ
-3481 Mar 13 08:30 2°48'48'4 -4.7m retrograde
-3481 Mar 26 13:11 5°53'32" max. Earth dist.
evening set -3481 Apr 11 12:04 0°59'29"
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superior conjn -3481 Apr 16 23:53 27°39'27" 4°15'56" 5°50'09" 1°29'59"
minimum elong -3481 Apr 17 07:51 27°26'56" 4°13'59" 1°29'59"
min. Earth dist. -3481 Apr 17 14:49 27°16'00" 0.29196 AU
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-3481 May 06 12:49 19°20'40" desc. node
-3481 May 08 19:00 19°43'99"
desc. node -3481 May 21 17:39 22°11'09" greatest brilliancy
-3481 Jun 04 04:41 0°η greatest brilliancy
-3481 Jun 26 23:30 19°28'02" 46°01'17" morning max el
-3481 Jul 07 12:23 2°6'00" asc. node
-3481 Aug 03 23:18 0°π
-3481 Aug 27 11:34 2°33'35" 2°6'06"52'
-3481 Aug 29 12:23 0°ο
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13, page 85

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

evening max el -3478 Apr 17 j 15:38 13°37'43" 45°11'00" -3476 Oct 25 j 07:01 0°

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desc. node -3478 Jun 03 j 03:37 12°14'55" desc. node -3476 Nov 17 j 20:43 29°13'39"6

retrograde -3478 Jun 04 j 23.34 12°11'01" superior conj -3476 Nov 21 j 08:49 4°11'03'30" -0°08'13"
evening set -3478 Jun 20 j 07:00 8°26'19" minimum elong -3476 Nov 21 j 06:33 3°56'52"2 0°08'11"
inferior conj -3478 Jun 26 j 05:54 4°24'47" -5°08'56" behind sun begin -3476 Nov 20 j 06:47 2°41'51"
minimum elong -3478 Jun 25 j 20:16 5°11'32" 5°06'29" behind sun end -3476 Nov 22 j 06:18 5°10'53"
min. Earth dist. -3478 Jun 26 j 14:13 14°44'03" 0.28188 AU max. Earth dist. -3476 Nov 25 j 22:20 9°46'49"1 1.71334 AU

morning rise -3478 Jul 01 j 08:57 1°15'50" -3476 Dec 12 j 02:15 0°

desc. node -3478 Jul 04 j 23:18 30°27'12" evening rise -3475 Jan 02 j 03:29 26°13'24"
direct -3478 Jul 17 j 16:43 26°25'12" -3475 Jan 05 j 04:28 0°

min. Earth dist. -3478 Jul 30 j 23:50 0°

greatest brilliancy -3478 Jul 30 j 22:47 29°58'49" -4.8m -3475 Feb 22 j 21:39 0°
morning max el -3478 Sep 05 j 20:16 28°55'54" 46°38'38" asc. node -3475 Mar 10 j 17:27 19°12'52"

asc. node -3478 Sep 06 j 21:41 0°

max. Earth dist. -3478 Apr 17 j 06:24 27°34'02" 1.73726 AU min. Earth dist. -3475 Sep 07 j 23:25 17°09'40" 0.26870 AU

superior conj -3478 Apr 18 j 14:44 29°13'13" -0°40'35" direct -3475 Sep 28 j 00:57 9°45'56"

minimum elong -3478 Apr 18 j 21:53 29°55'09" 0°40'17" greatest brilliancy -3475 Oct 10 j 18:35 12°47'31" -4.9m

asc. node -3478 Apr 19 j 05:59 0° -3475 Oct 21 j 10:32 19°00'33"

asc. node -3478 May 06 j 15:54 21°23'15" retrograde -3475 Aug 17 j 17:54 25°08'02"

asc. node -3478 May 13 j 16:00 0°

evening rise -3478 May 24 j 09:51 13°13'11" -3475 Sep 07 j 11:23 17°12'50" -8°32'04"

asc. node -3478 May 07 j 00:42 0°

desc. node -3478 Jul 01 j 08:31 0°

evening max el -3478 Nov 24 j 11:32 23°26'59" 47°01'34"

greatest brilliancy -3478 Jul 03 j 08:43 0°

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evening set -3478 Jul 25 j 16:43 0°

greatest brilliancy -3478 Aug 19 j 03:19 0°

asc. node -3478 Aug 26 j 10:02 8°54'53"

desc. node -3478 Aug 31 j 19:01 0°

asc. node -3478 Sep 07 j 20:19 0°

evening max el -3478 Aug 02 j 18:11 0°

min. Earth dist. -3478 Aug 24 j 11:32 23°26'59" 47°01'34"

greatest brilliancy -3478 Aug 28 j 13:03 0°

desc. node -3478 Dec 01 j 01:06 0°

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min. Earth dist. -3478 Jan 31 j 19:08 20°58'42"

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inferior conj -3478 Feb 04 j 12:13 18°57'53" 8°15'57" -3478 Jul 15 j 22:42 0°

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min. Earth dist. -3478 Feb 07 j 23:36 16°26'10" -3478 Aug 08 j 22:52 0°
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evening set -3478 Apr 03 j 05:49 0°

desc. node -3478 Apr 07 j 03:32 3°30'24"50" 0°

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evening set -3478 Apr 14 j 06:28 12°10'07" -3478 Mar 13 j 13:40 0°

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greatest brilliancy -3478 Jan 31 j 19:08 20°58'42" -3478 Mar 24 j 06:13 3°46'05"

evening set -3478 Jun 26 j 07:40 0°

evening set -3478 Jul 21 j 07:48 0°

evening set -3478 Jul 29 j 01:52 9°12'75"12" -3478 Sep 07 j 17:25 0°

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Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13, page 88

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

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Additional notes:
- The greatest brilliancy of Venus is expected to be 5° on May 18, 20° on May 31.
- The retrograde period is expected to last from May 31 to June 2.
- The minimum elongation is expected to occur on June 21.
- The superior conjunction is expected to occur on June 14.
- The inferior conjunction is expected to occur on June 21.
- The minimum Earth distance is expected to occur on June 21.

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The data provided is for the period from -3461 to -3460, with key events such as superior and inferior conjunctions, maximum elongation, and greatest brilliancy of Venus recorded. The table above summarizes these events with specific dates and times. The data includes both the astronomical and historical counting styles.
Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13, page 91

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3446 Mar 07 19:18 0°Δ evening rise -3446 Aug 05 05:54 0°Δ greatest brilliancy -3446 Jul 21 15:38 21°Δ03'08" -4.8m
evening max el -3446 May 08 08:57 0°Δ14'53" morning max el -3446 Aug 27 08:43 19°Δ43'06" 46°33'51"
asc. node -3446 Apr 01 06:54 0°γ asc. node -3446 Sep 06 07:42 0°γ evening max el -3446 Apr 25 21:46 0°Δ asc. node -3446 Oct 03 01:06 0°Ω
-3446 May 20 16:41 0°Ω evening rise -3446 Oct 28 03:49 0°Ω desc. node -3446 Jun 14 17:17 0°Ω
greatest brilliancy -3446 Jun 21 15:45 0°Ω
desc. node -3446 Jul 25 06:16 17°Δ28'50" retrograde -3446 Oct 24 05:33 4°Δ23'54"
-evening set -3446 Nov 07 18:19 0°Δ10'06" greatest brilliancy -3446 Nov 10 03:24 26°Δ58'40" -4.9m
-inferior conj -3446 Jul 08 06:51 17°Δ direct -3446 Jul 08 06:51 1°Δ
-3446 May 26 11:26 3°Δ8'16" max. Earth dist. -3446 Aug 24 01:26 2°Δ
-retrograde -3446 May 16 19:28 0°Ω direct -3446 Apr 07 06:44 0°Δ
-3446 Apr 21 15:38 0°Ω asc. node -3446 May 03 00:24 19°Δ36'10" asc. node -3446 Jul 07 00:25 0°Ω
-3446 May 11 11:28 0°Ω asc. node -3446 Jul 25 22:26 21°Δ17'39" greatest brilliancy -3446 Jul 04 23:34 0°Π
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-3446 May 11 12:27 18°Δ30'13" max. Earth dist. -3446 Sep 29 09:26 0°Ω
-desc. node -3446 Jul 27 22:26 21°Δ17'39" inferior conj -3446 Sep 29 09:26 0°Ω
-3446 Jun 04 13:39 29°Δ17'39" maximum brilliancy -3446 Sep 21 13:39 0°Δ
-3446 Jul 10 13:39 0°Ω asc. node -3446 Jul 25 22:26 21°Δ17'39"
-inferior conj -3446 Dec 04 01:39 18°Δ56'19" greatest brilliancy -3446 Dec 04 01:39 18°Δ56'19"
-3446 Nov 15 03:04 14°Δ16'30" 47°11'47"
min. Earth dist. -3446 Nov 25 14:39 0°Ω direct -3446 Nov 25 14:39 0°Ω
-3446 Nov 14 17:02 0°Π evening set -3446 Sep 08 07:06 0°Δ
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greatest brilliancy -3446 Sep 08 07:06 0°Δ
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Note: Positions and magnitudes are approximate and may vary based on specific observational conditions.

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-evening set -3433 Mar 29 j 07:54 17°=5448
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-minimum elong -3433 Apr 03 j 14:32 14°=5394 5°43'33
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-morning rise -3433 Apr 08 j 21:00 11°=6260
-direct -3433 Apr 24 j 23:09 6°=7256
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-greatest brilliancy -3433 May 07 j 14:44 9°=1601 -4.7m
-3433 Jun 02 j 00:00 0°Ω
-morning max el -3433 Jun 12 j 23:08 6°=2422 45°55'34
-3433 Jul 05 j 22:18 0°Ω
-3433 Aug 01 j 12:53 0°Ω

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-3430 Oct 27 j 06:32 0°Ω
-3432 Mar 31 j 05:06 0°Ω
-3430 Nov 20 j 16:49 0°Ω

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-3432 Apr 20 j 23:04 0°Ω desc. node
-3432 May 19 j 16:32 0°Ω
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-3432 Sep 02 j 06:54 0°Ω superior conj
-greatest brilliancy -3432 Oct 07 j 21:48 26°=5646 -4.9m maximum elong
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Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13, page 95

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

-3428 Jan 30 j 08:54 30°0
-3428 Feb 11 j 12:53 20°27'13" -3426 Jun 18 j 12:58 0°11'

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-3428 Feb 24 j 09:38 0°11'

morning max el
-3428 Mar 31 j 08:12 27°51'08" 45°52'21"

desc. node
-3428 Apr 01 j 16:16 28°15'82"
-3428 Apr 03 j 10:15 0°09'

asc. node
-3428 Jul 23 j 14:34 6°12'55"

morning set
-3428 Sep 25 j 08:20 26°14'13" greatest brilliancy -3425 Feb 25 j 06:04 17°57'29" -4.7m
-3428 Sep 28 j 07:50 0°11'

min. Earth dist. -3427 Aug 24 j 02:21 0°02'15 45°55'47

greatest brilliancy -3425 May 05 j 06:32 7°08'20" -4.7m
-3428 Nov 14 j 22:17 0°15'

superior conj -3428 Nov 05 j 13:46 18°14'40" 0°1553

desc. node
-3428 Nov 12 j 09:19 26°48'35"

as. node
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evening max el
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evening max el
-3426 Jul 07 j 18:17 0°09'

evening brilliancy -3427 Jul 22 j 22:42 8°26'57" -4.8m retrograde
-3427 Aug 02 j 17:37 10°39'329" superior conj -3424 Jan 22 j 11:26 6°56'50" -1°17'58

evening set
-3427 Aug 20 j 17:58 4°34'426" minimum conj -3424 Jan 22 j 03:25 6°30'57" 1°17'58

inferior conj -3427 Aug 23 j 14:33 2°51'50" -8°55'56

minimum conj
-3427 Aug 23 j 15:51 2°49'51" 8°55'48"

min. Earth dist.
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as. node
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asc. node
-3427 Sep 13 j 08:06 25°00'22" asc. node -3424 Apr 01 j 18:30 2°4'1407

greatest brilliancy -3427 Sep 26 j 06:23 28°09'58" -4.9m

asi node
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evening max el
-3427 Oct 15 j 23:24 11°47'33" superior conj -3424 Jul 08 j 22:05 0°11'

asc. node
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desc. node
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morning max el
-3427 Dec 02 j 18:27 0°11'
-3427 Dec 27 j 11:01 0°11'
-3426 Jan 21 j 14:57 0°11'

greatest brilliancy -3426 Feb 04 j 09:06 17°30'03" retrograde
-3426 Feb 15 j 14:07 0°11'

desc. node
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asc. node
-3426 Apr 06 j 04:24 0°11'

morning set
-3426 May 06 j 01:56 6°12'28'01" minimum conj -3424 Nov 06 j 10:59 15°43'17

asc. node
-3426 May 25 j 06:02 0°11'

max. Earth dist.
-3426 Jun 07 j 02:36 15°51'16" 1.73099 AU greatest brilliancy -3424 Dec 08 j 01:45 13°49'05" -4.9m

superior conj -3426 Jun 11 j 00:03 20°54'40'05" 0°30'39

minimum conj
-3426 Jun 10 j 18:20 20°22'23" 0°30'29
### Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13

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Note: The table contains various events such as asc. node, desc. node, superior conj, minimum elong, evening rise, minimum elong, etc., along with their corresponding dates and right ascensions.

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

---

**evening max el** -3418 Mar 11 j 22:14 0° 0°
evening set -3416 Oct 29 j 02:04 20° 0°

**inferior conj** -3418 Apr 05 j 15:42 0° 0°

**minimum elong** -3418 Apr 30 j 06:09 0° 0°

**min. Earth dist.** -3418 May 03 j 20:50 4° 25°
morning rise -3416 Nov 03 j 14:22 16° 49°

**asc. node** -3418 May 27 j 18:50 3° 47°

**asc. node** -3418 Jun 11 j 12:59 12° 17°

**direct** -3418 Nov 24 j 04:36 9° 0°

**greatest brilliancy** -3416 Dec 05 j 15:05 11° 31°

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**superior conj** -3418 Jun 08 j 18:43 18° 55° 25° 0° 27°
morning max el -3418 Jun 13 j 04:46 11° 32° 21° 46°

**direct** -3418 Apr 20 j 09:31 2° 0°

**minimum elong** -3418 Apr 23 j 19:26 0° 0°

**desc. node** -3418 Apr 29 j 05:49 3° 8°

**direct** -3418 May 22 j 12:12 0° 0°

**asc. node** -3418 Jun 07 j 10:23 7° 0°

**evening max el** -3418 Jun 17 j 22:13 17° 52° 0° 45° 55°

**superior conj** -3418 Jul 30 j 22:12 0° 0°

**greatest brilliancy** -3418 Jul 30 j 22:12 0° 0°

**retrograde** -3418 Aug 02 j 23:25 0° 0°

**evening set** -3418 Aug 06 j 17:01 0° 0°

**asc. node** -3418 Aug 08 j 05:49 3° 8°

**asc. node** -3418 Aug 11 j 19:55 0° 0°

**maximum elong** -3418 Aug 13 j 10:25 21° 57° 1° 1.71455 AU

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**evening max el** -3417 Jan 17 j 22:13 17° 52° 0° 45° 55°

**superior conj** -3417 Jan 30 j 12:22 0° 0°

**greatest brilliancy** -3417 Feb 22 j 22:48 15° 48° 51° -4.7m

**retrograde** -3417 Mar 08 j 05:02 18° 57° 22°

**evening set** -3417 Mar 24 j 22:47 13° 32°

**inferior conj** -3417 Mar 29 j 15:27 10° 38° 13° 6° 17°

**minimum elong** -3417 Mar 30 j 00:25 10° 24° 0° 0°

**min. Earth dist.** -3417 Mar 30 j 00:25 10° 24° 0° 0°

**morning rise** -3417 Apr 04 j 02:05 7° 1°

**direct** -3417 Apr 20 j 09:31 2° 12°

**desc. node** -3417 Apr 29 j 05:49 3° 8°

**greatest brilliancy** -3417 May 02 j 21:13 4° 57° 35° -4.7m

**asc. node** -3417 Jun 06 j 02:38 0° 0°

**morning max el** -3417 Jun 08 j 05:49 3° 8°

**evening max el** -3417 Jul 31 j 16:13 0° 0°

**evening max el** -3417 Aug 04 j 02:40 23° 14° 0°

**greatest brilliancy** -3417 Aug 25 j 18:33 0° 0°

**retrograde** -3417 Sep 19 j 03:18 0° 0°

**evening set** -3417 Oct 13 j 02:56 0° 0°

**inferior conj** -3417 Nov 05 j 23:38 0° 0°

**morning set** -3417 Nov 29 j 21:17 0° 0°

**asc. node** -3417 Dec 09 j 22:25 12° 34°

**desc. node** -3417 Dec 09 j 23:25 12° 37°

**morning rise** -3417 Dec 23 j 21:35 0° 0°

**desc. node** -3417 Jan 17 j 00:43 0° 0°

**superior conj** -3418 Jan 20 j 07:01 4° 0° 23° 1° 16° 33°

**minimum elong** -3418 Jan 19 j 22:57 3° 37° 44° 1° 16°

**max. Earth dist.** -3418 Jan 23 j 21:38 8° 31° 0° 1.72573 AU

**evening rise** -3418 Feb 01 j 04:44 21° 56° 0°

**asc. node** -3418 Mar 05 j 15:14 0° 0°

**asc. node** -3418 Mar 30 j 03:19 0° 0°

**asc. node** -3418 Apr 23 j 19:26 0° 0°

**desc. node** -3418 May 18 j 16:33 0° 0°

**desc. node** -3418 Jun 12 j 20:45 0° 0°

**desc. node** -3418 Jul 08 j 12:53 0° 0°

**desc. node** -3418 Jul 21 j 14:51 14° 55° 12°

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**evening max el** -3418 Aug 24 j 19:45 21° 37° 48° 4° 18°

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**greatest brilliancy** -3418 Oct 03 j 01:49 22° 6° 0° 4° 9°

**retrograde** -3418 Oct 14 j 09:44 24° 24° 24°
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| Min. Earth dist.           | Jan 15   | 20:10  | 1°55'33'6 | 0.28166 AU
| Inferior conj              | Jan 16   | 19:11  | 0°56'54' | 7°30'03 |
| Minimum elong              | Jan 16   | 11:29  | 0°59'12' | 7°28'53 |
| Jan 17                    | 18:21    | 30°0'    | 0°      |
| Morning rise               | Jan 20   | 16:08  | 28°41'11'27|
| Direct                     | Feb 06   | 17:20  | 22°53'14'2 |
| Greatest brilliancy        | Feb 17   | 08:57  | 24°25'35'41| -4.7m
| Morning set                | Feb 28   | 00:38  | 0°      |
| Desc node                  | Mar 26   | 13:31  | 22°53'31'11| 45°53'54|
| Asc node                   | Mar 30   | 20:30  | 26°52'42'38|
| Apr 03                    | 04:05    | 0°      |
| May 01                    | 11:45    | 0°      |
| May 27                    | 22:48    | 0°      |
| Jun 22                    | 10:17    | 0°      |
| Jul 17                    | 05:29    | 0°      |
| Asc node                   | Jul 21   | 18:59  | 5°35'33'20|
| Asc node                   | Aug 10   | 12:33  | 0°      |
| Asc node                   | Sep 03   | 11:27  | 0°      |
| Asc node                   | Sep 20   | 07:53  | 21°44'13'3 |
| Desc node                  | Sep 27   | 06:19  | 0°      |
| Oct 21                    | 00:40    | 0°      |
| Superior conj              | Oct 31   | 07:17  | 12°56'57'57| 0°23'44 |
| Minimum elong              | Oct 31   | 13:34  | 13°16'42' | 0°23'26 |
| Max. Earth dist.           | Nov 03   | 22:02  | 17°29'55' | 1.71028 AU
| Desc node                  | Nov 10   | 13:25  | 25°00'50'49|
| Oct 13                    | 20:47    | 0°      |
| Dec 07                    | 19:40    | 0°      |
| Rising                     | Oct 12   | 17:37  | 6°57'08'01|
| Dec 31                    | 21:54    | 0°      |
| Jan 25                    | 04:31    | 0°      |
| Feb 18                    | 17:29    | 0°      |
| Asc node                   | Mar 03   | 10:28  | 15°21'51'|
| Mar 15                    | 15:49    | 0°      |
| Apr 10                    | 04:00    | 0°      |
| May 06                    | 14:35    | 0°      |
| Jun 03                    | 23:27    | 0°      |
| Morning set                | Jun 09   | 12:05  | 5°22'40'2 |
| Jul 10                    | 06:04    | 0°      |
| Greatest brilliancy        | Jul 17   | 19:16  | 3°53'09'09| -4.8m
| Retrograde                 | Jul 28   | 19:34  | 5°45'50' |
| Aug 15                    | 09:35    | 30°0'    |
| Evening set                | Aug 15   | 17:21  | 29°48'40' |
| Inferior conj              | Aug 18   | 16:11  | 28°20'25' | -8°55'28 |
| Minimum elong              | Aug 18   | 15:37  | 28°20'34'1 |
| Min. Earth dist.           | Aug 19   | 02:50  | 27°46'45' | 0.27262 AU
| Morning rise               | Aug 21   | 13:45  | 26°18'37' |
| Sep 08                    | 12:05    | 20°52'14'40|


Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.
### Planetary Phenomena of Venus from -3900 through -3400 (UT), Astrodienst AG 25-Jun-2018 15:13

Attention, astronomical year style is used: The year -3899 in astronomical counting style is the year 3900 BCE in historical counting style.

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