

Lunar occultation of Venus

WED, 17 JUN 2026 FROM **14:17 EDT** (18:17 UTC)
 TO **18:43 EDT** (22:43 UTC)

🕒 **22 DAYS AWAY**

Dominic Ford, Editor

From the *Lunar Occultations* feed

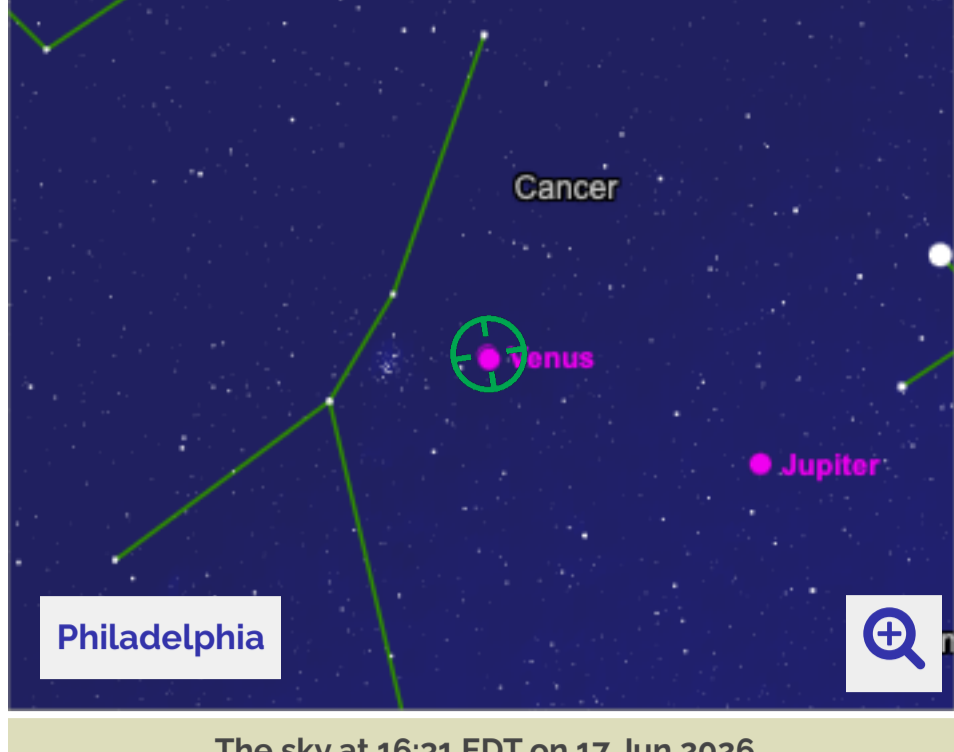
Tags: [Lunar Occultation](#) **Objects:** [Venus](#)

The Moon will pass in front of **Venus**, creating a lunar occultation visible from countries and territories including the Contiguous United States, Canada, Brazil and Venezuela amongst others. Although the occultation will only be visible across part of the world – because the Moon is so close to the Earth that its position in the sky varies by as much as two degrees across the world – a [close conjunction](#) between the pair will be more widely visible.

The occultation will be visible from Philadelphia. It will begin with the disappearance of Venus behind the Moon at 15:52 EDT, though in daylight. Its reappearance will be visible at 17:12 EDT, though in daylight.

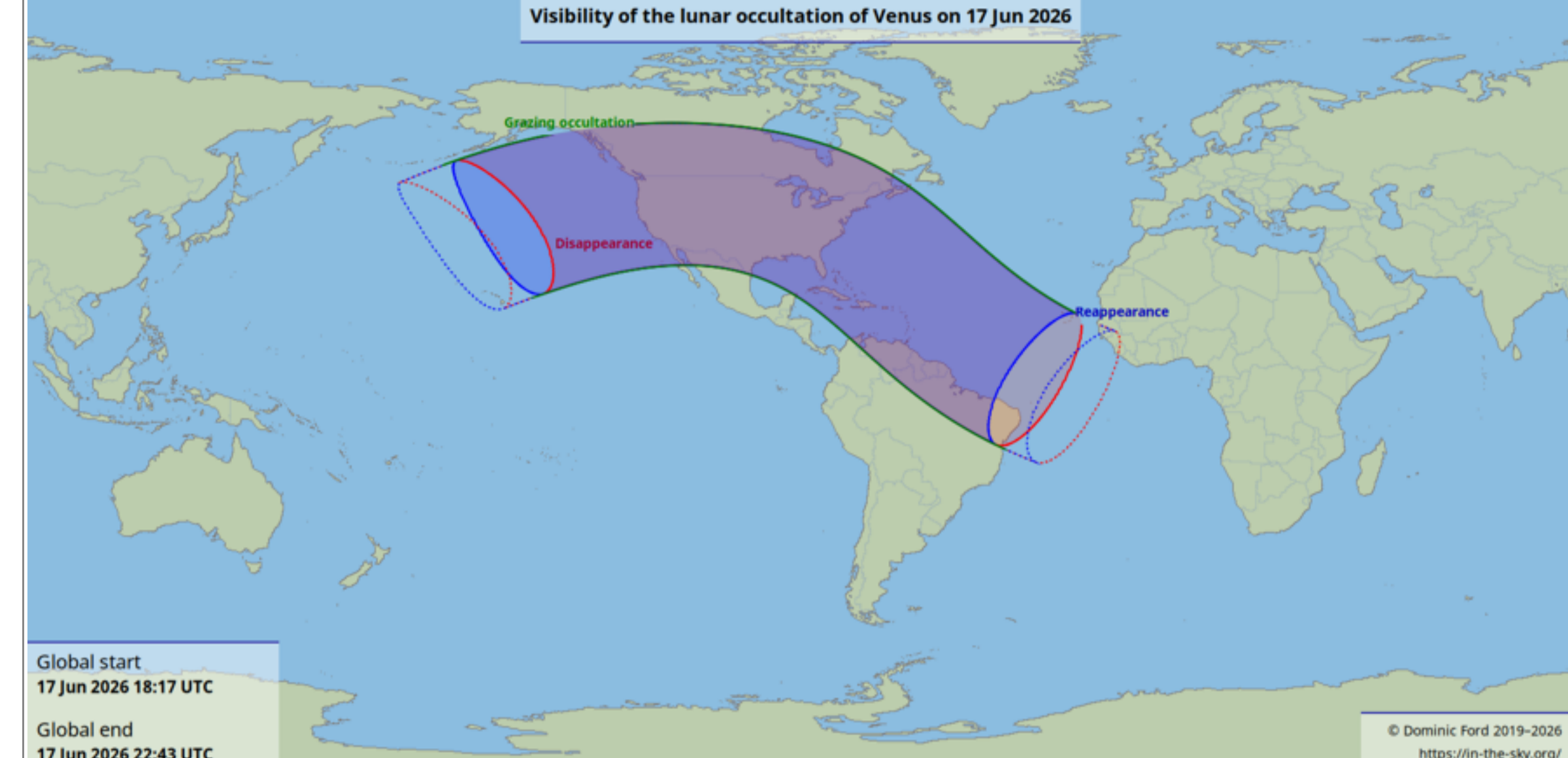
Extreme caution is necessary when pointing binoculars or telescopes at the sky when the Sun is above the horizon, as even a momentary glance at the Sun through such an instrument can cause permanent blindness.

The map below shows the visibility of the occultation across the world. Separate contours show where the disappearance of Venus is visible (shown in red), and where its reappearance is visible (shown in blue). Solid contours show where each event is likely to be visible through binoculars at a reasonable altitude in the sky. Dotted contours indicate where each event occurs above the horizon, but may not be visible due to the sky being too bright or the Moon being very close to the horizon.



The sky at 16:31 EDT on 17 Jun 2026

- [VENUS »](#)
- [VENUS FINDER CHART »](#)
- [VENUS ORBIT DIAGRAM »](#)
- [VENUS EPHEMERIS »](#)



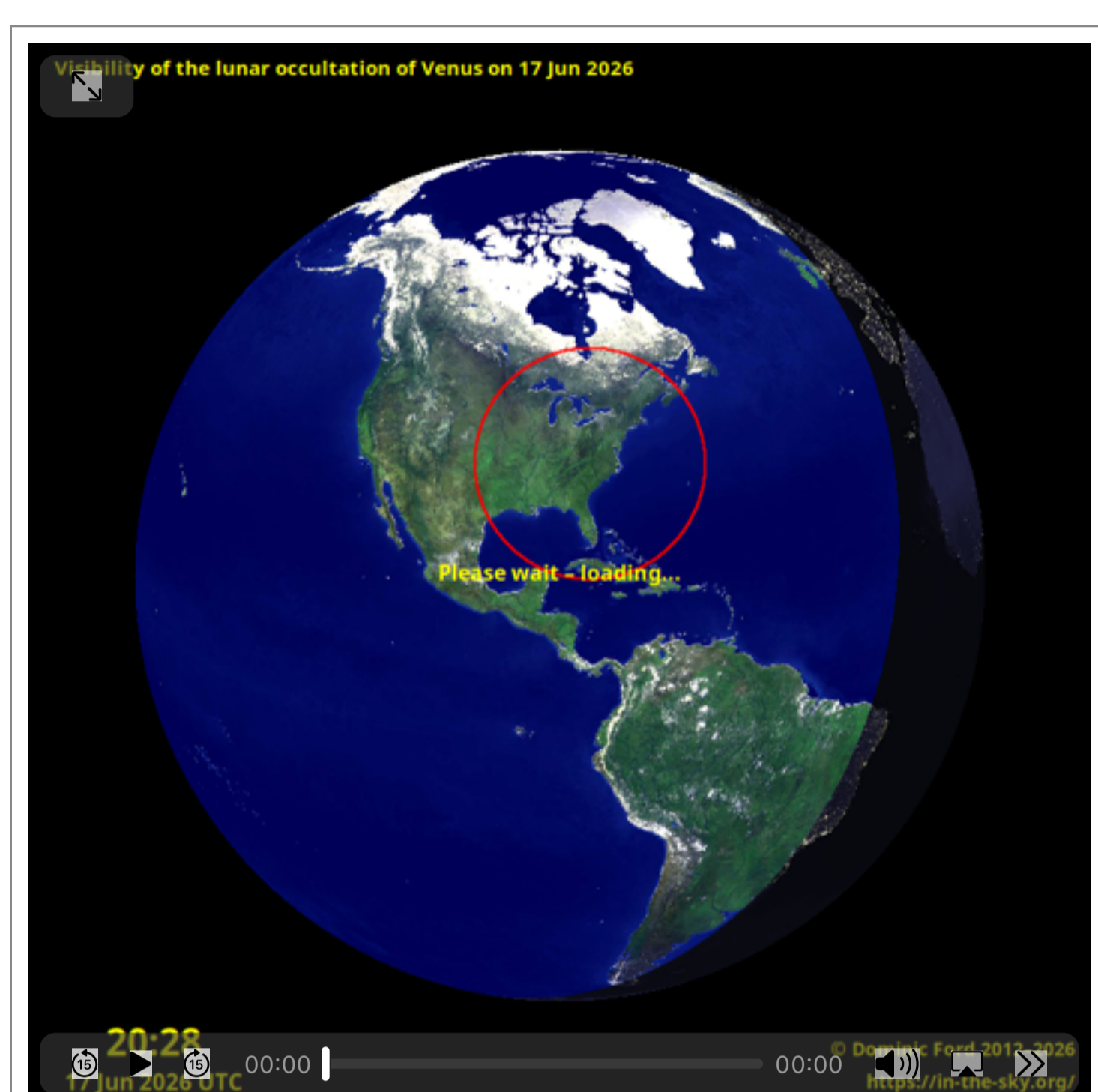
Global start
17 Jun 2026 18:17 UTC
 Global end
17 Jun 2026 22:43 UTC

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<https://in-the-sky.org/>

Outside the contours, the Moon will not pass in front of Venus at any time, or is below the horizon at the time of the occultation. However, a [close conjunction](#) between the pair will be visible across much of the world.

The map can be downloaded in [PNG](#), [PDF](#) or [SVG](#) format. A [KMZ file](#), is also available, which can be opened in Google Earth to provide a higher resolution map.

The animation below shows the path of the occultation across the Earth's globe. The red circle shows where the Moon appears in front of Venus.



You can download this video in [MP4](#) or [OGG](#) format.

A complete list of the countries and territories where the occultation will be visible is as follows:

Country	Time span (UTC)
The Contiguous United States	18:33–21:26
Canada	18:41–21:07
Brazil	21:28–22:43
Venezuela	21:05–22:22
Mexico	18:45–20:53
Guyana	21:18–22:27
Alaska	18:52–19:41
Suriname	21:25–22:32
Cuba	20:14–21:46
French Guiana	21:27–22:34
Dominican Republic	20:36–22:00
Colombia	21:04–22:00
Haiti	20:34–21:53
Bahamas	20:06–21:48
Jamaica	20:38–21:40
Puerto Rico	20:45–22:05
Cape Verde	21:41–22:12
Trinidad and Tobago	21:10–22:20
Guadeloupe	20:56–22:13
Saint Vincent and the Grenadines	21:04–22:17
Turks and Caicos Islands	20:30–21:52
Barbados	21:06–22:19
British Virgin Islands	20:48–22:06
Cayman Islands	20:34–21:21
Martinique	21:00–22:16
Curacao	21:03–22:03
Saint Kitts and Nevis	20:53–22:11
Saint Lucia	21:02–22:17
U.S. Virgin Islands	20:47–22:07
Antigua and Barbuda	20:53–22:11
Dominica	20:59–22:14
Anguilla	20:50–22:09
Bonaire, Saint Eustatius and Saba	20:51–22:09
Grenada	21:06–22:17
Bermuda	20:22–21:39
Montserrat	20:54–22:11
Aruba	21:03–21:59
Sint Maarten	20:51–22:09
Saint Barthelemy	20:51–22:09
Saint Martin	20:50–22:08
Navassa Island	20:38–21:44

Lunar occultations are only ever visible from a small fraction of the Earth's surface. Since the Moon is much closer to the Earth than other celestial objects, its exact position in the sky differs depending on your exact location on Earth due to its large parallax. The position of the Moon as seen from two points on opposite sides of the Earth varies by up to two degrees, or four times the diameter of the full moon.

This means that if the Moon is aligned to pass in front of a particular object for an observer on one side of the Earth, it will appear up to two degrees away from that object on the other side of the Earth.

At the time of the occultation, the Moon will be 0 days past new moon and will be 11% illuminated. Venus will disappear behind the unilluminated side of the Moon and reappear from behind the illuminated side of the Moon.

The position of Venus at the moment of the occultation will be as follows:

Object	Right Ascension	Declination	Constellation	Magnitude	Angular Size
Venus	08h30m20s	21°02'N	Cancer	-4.0	0'14"

The coordinates above are given in J2000.0.

Next/previous occultations

« Previous			Next »	
Visible from the Contiguous United States	Worldwide		Worldwide	Visible from the Contiguous United States
07 Apr 2024	19 Sep 2025	Occultations of Venus	14 Sep 2026	11 Oct 2029
26 Apr 2026	03 Jun 2026	Occultations	19 Jun 2026	08 Sep 2026

The sky on 17 Jun 2026

THE SKY ON 17 JUNE 2026

Sunrise 05:28 Sunset 20:31 Twilight ends 22:34 Twilight begins 03:25	 Waxing Crescent 14% 3 days old	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Planets</th> </tr> <tr> <th></th> <th>Rise</th> <th>Culm.</th> <th>Set</th> </tr> </thead> <tbody> <tr> <td>Mercury</td> <td>07:20</td> <td>14:45</td> <td>22:10</td> </tr> <tr> <td>Venus</td> <td>08:27</td> <td>15:45</td> <td>23:04</td> </tr> <tr> <td>Moon</td> <td>03:29</td> <td>10:34</td> <td>17:39</td> </tr> <tr> <td>Jupiter</td> <td>07:53</td> <td>15:12</td> <td>22:32</td> </tr> <tr> <td>Saturn</td> <td>01:56</td> <td>08:09</td> <td>14:22</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">All times shown in EDT.</p>	Planets					Rise	Culm.	Set	Mercury	07:20	14:45	22:10	Venus	08:27	15:45	23:04	Moon	03:29	10:34	17:39	Jupiter	07:53	15:12	22:32	Saturn	01:56	08:09	14:22
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Source

The circumstances of this event were computed using the [DE430 planetary ephemeris](#) published by the Jet Propulsion Laboratory (JPL).

This event was automatically generated by searching the ephemeris for planetary alignments which are of interest to amateur astronomers, and the text above was generated based on an estimate of your location.

Related news

- 05 Jun 2026 - [Venus at highest altitude in evening sky](#)
- 14 Aug 2026 - [Venus at greatest elongation east](#)
- 11 Dec 2026 - [Venus at highest altitude in morning](#)
- 03 Jan 2027 - [Venus at greatest elongation west](#)

Image credit

The Moon in conjunction with Venus and Jupiter, with the Very Large Telescope in the foreground. Image © Y. Beletsky, ESO, 2009.

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