



TOTAL SOLAR ECLIPSE FACTS

What is the path of totality ?

The path of totality is the area where the moon will completely cover the sun. This plunges the sky from daylight to twilight temporarily. Although the sky will darken over most of Indiana, the experience in the 115-mile-wide path of totality will be much different.

When will the eclipse occur, and for how long will it last ?

All areas of Indiana will see at least a partial eclipse on April 8, 2024. The eclipse over Indiana will begin at approximately 1:45 p.m. and will end at about 4:30 p.m. However, only places within the 115-mile-wide path of totality will see a total solar eclipse.

The time of totality varies by location. It will last about 30 seconds in some places, but most places along the centerline will have a totality duration between 3.5 and 4 minutes.

Totality over Indianapolis will begin at roughly 3:06 p.m., and will be finished by about 3:10 p.m.

How much will daylight change during the eclipse ?

In the path of totality, the moon covers 100% of the sun. Even if it is a cloudy day, the landscape will darken dramatically during totality. The sky will be much darker, and some bright planets and stars may become visible.

Areas outside the path of totality will see the sky darken somewhat, depending on how much the sun is blocked in that location.

Safe Viewing

Viewing a solar eclipse when the sun is not totally blocked can cause permanent eye damage to the retina. This can result in visual blind spots, visual distortion, blurred vision or blindness. Proper eye protection should be used during each phase of a solar eclipse, except during the period of totality when there is a total eclipse of the sun.

Eclipse viewing safety DO'S and DONT'S

DO

- ✿ Do use eclipse glasses or solar viewers that meet the ISO 12312-2 standards (sometimes written as ISO 12312-2:2015). But do not stare continuously at the sun. Take breaks and give your eyes a rest.
- ✿ Do look at shadows on the ground, such as beneath a leafy tree, during the partial eclipse to see the crescent sun shadows projected by the spaces between the leaves.

DON'T

- ✿ DO NOT look at the sun directly.
- ✿ DO NOT view through regular sunglasses. No matter how dark they are, they will not protect your eyes.
- ✿ DO NOT use damaged eclipse sunglasses or solar viewers. If they are torn, scratched or punctured, do not use them and throw them away. If the filters are coming out of their frames, discard them.
- ✿ DO NOT use homemade filters.
- ✿ DO NOT view through welder's glass. The glass in most welding helmets is not strong enough.
- ✿ DO NOT view through your camera viewfinder.
- ✿ DO NOT view through a telescope without the proper solar filter. Do not view through a telescope using your eclipse sunglasses, either.
- ✿ DO NOT view through binoculars.



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www.in.gov/dhs/solar-eclipse-2024/