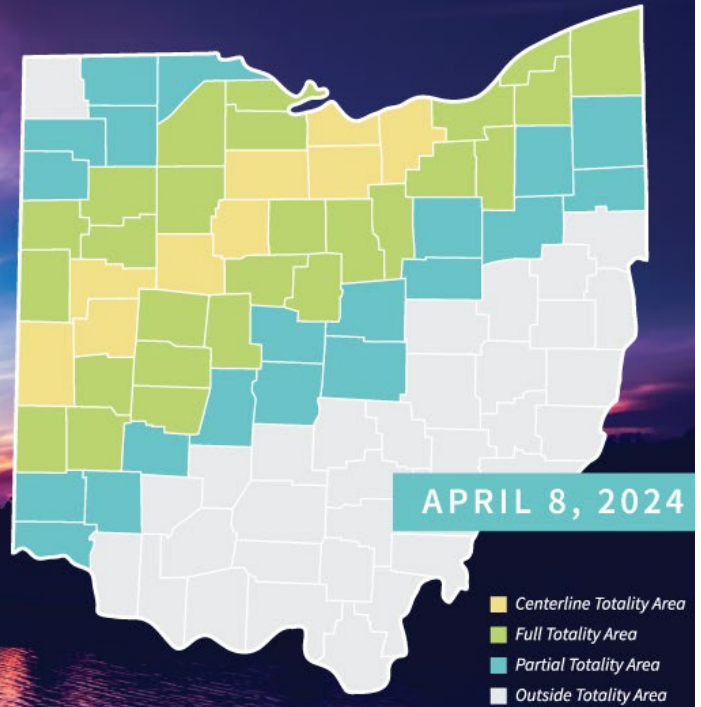


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Total Eclipse of The Heart of it All

Ohio
THE HEART OF IT ALL.
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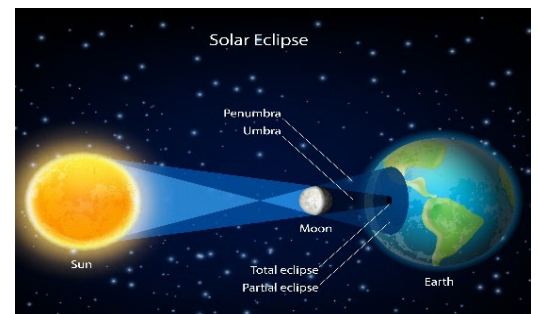


2024 Total Solar Eclipse Safety Sheet

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A solar eclipse occurs when the moon casts its shadow on Earth as it passes between the Sun and the Earth. During a total solar eclipse, the moon appears to completely block the Sun. That means that if you are in the path of totality, it will look like nighttime in the middle of the day!

On April 8th, 2024, people within a 124-mile-wide band in Ohio will experience a total eclipse. The rest of Ohio will experience a partial eclipse. The last total solar eclipse visible in Ohio was in 1806. The next total solar eclipse in Ohio will be in 2099. For many of us, this will be a once-in-a-lifetime event!



What happens during a solar eclipse?

During an eclipse, the moon passes between the Sun and Earth to project its shadow on the Earth.



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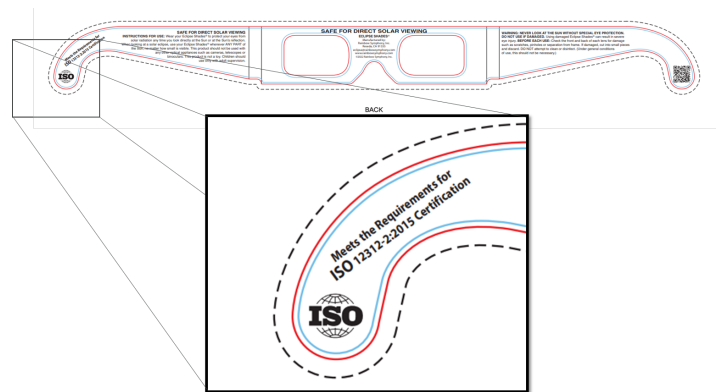
Safety Tips for Eclipse Glasses and Solar Viewers

1. Always inspect your solar filters before use. If scratched, punctured, torn, or otherwise damaged, please do not use them.
2. If you normally wear eyeglasses, keep them on. Put your eclipse glasses over them or hold your handheld viewer in front of them.
3. During the eclipse, cover your eyes with your eclipse glasses BEFORE looking at the Sun. After looking, turn away before removing your glasses.
4. Do not look at the Sun through an unfiltered camera, telescope, binoculars, or other optical devices while using eclipse solar filters because the concentrated rays could damage both the filter and your eyes.
5. The only time it is safe to remove your eclipse glasses is during the total phase of a total solar eclipse. This may only last for a brief time, so be careful!
6. Supervise young children to ensure eclipse glasses are secure. To ensure a snug fit, try attaching ribbons or elastic bands to the glasses.

How do I know that my solar glasses and viewers are safe?

The best option is to check the American Astronomical Society's list of safe suppliers of solar viewers and filters. Ensure that your eclipse glasses and viewers have evidence they comply with ISO 12312-2, the international safety standard for solar filters. Please note that this isn't a foolproof plan, as the ISO approval logo can be counterfeited.

Safe solar filters produce a view of the Sun that has a comfortable brightness (comparable to a full Moon) surrounded by a dark sky. If you glance at the Sun through your solar viewer or glasses and find it uncomfortably bright, out of focus, or hazy, do not use your solar viewer or glasses. You should not be able to see most household light through your solar viewer and eclipse glasses. Never use regular sunglasses or homemade filters as they are not safe and do not block potentially harmful sunlight that we cannot see.



Identifying Safe Solar Eclipse Glasses

The above image shows the side of a pair of eclipse glasses from Rainbow Symphony, with an ISO-compliant logo. While ISO standards are not law, these standards are developed by subject-matter experts and provide the best standard for a wide range of activities. The relevant standard for observing the Sun is ISO 12312-2. Note: this certification can be counterfeited.

Interested in eclipse educational resources?
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