

DON'T GO BLIND

WATCHING THE

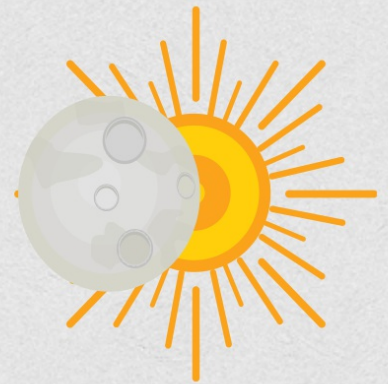
SOLAR ECLIPSE

On August 21, 2017, America will fall under the path of a total solar eclipse

Eclipse

A total solar eclipse occurs when the disk of the moon appears to completely cover the disk of the sun in the sky. During a total solar eclipse, the disk of the moon blocks out the last sliver of light from the sun, and the sun's outer atmosphere becomes visible.

The time of the total solar eclipse and its duration both depend on where you are inside the path of totality. At most, the moon will completely cover the disk of the sun for 2 minutes and 40 seconds.



SAFETY FIRST

Looking directly at the sun is always unsafe and can cause blindness. The only safe way to look directly at the uneclipsed or partially eclipsed sun is through special-purpose solar filters, such as "eclipse glasses" or hand held solar viewers.

Eclipse glasses need to be compliant with ISO 12312-2 international safety standard.

Always inspect your solar filter before use; if scratched or damaged, discard it. Read and follow any instructions printed on or packaged with filter/glasses.

Always supervise children using solar filters/eclipse glasses.

Do not look at the sun through a camera, a telescope, binoculars, or any other optical device with or without using your solar filters/eclipse glasses - the concentrated solar rays will damage the filter and enter your eye(s), causing serious injury.

If you normally wear eyeglasses, keep them on, but put your eclipse glasses on over them.

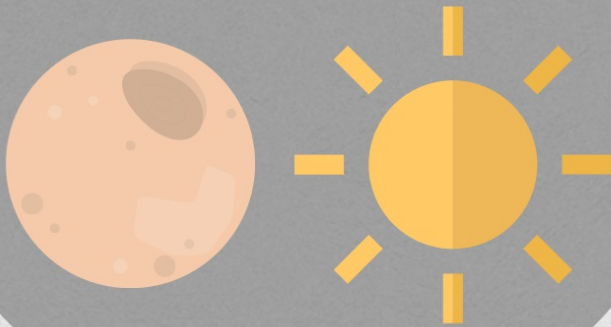


INTERESTING FACTS

38 YEARS!

This will be the first total solar eclipse in the continental U.S. in 38 years.

The last one occurred February 26, 1979. Most people did not see it because it clipped just five states in the Northwest and the weather was bleak.



The Sun is a lot bigger!

Our daytime star's diameter is approximately 400 times larger than that of the Moon. It also lies roughly 400 times farther away. This means that both disks appear to be the same size.

Only 1 Large City Has A Great View - Nashville!

The city center of Nashville and parts north of it will experience 2+ minutes of totality. Unfortunately, that's the only large city with a great view.

SOURCES

<https://eclipse2017.nasa.gov/safety>

<https://www.space.com/33707-total-solar-eclipse-2017-guide.html>

<http://www.astronomy.com/great-american-eclipse-2017/articles/2016/06/25-facts-about-the-2017-solar-eclipse>

