

THE GREAT SOLAR ECLIPSE OF AUGUST 21, 2017

SAFETY FIRST!

The Great Solar Eclipse is a fantastic learning opportunity for students and adults. However, in order to stay safe and avoid damaging your eyesight, NEVER look at the sky, for the following reasons:

- Even looking directly at a small part of the eclipse is too dangerous, as the normal squint response will not occur and the eye will be exposed to dangerous amounts of UV light. The cornea will focus the light and actually scorch the retina.
- There is no pain involved with retinal damage. By the time the damage is done it is too late.



NASA's site devoted to Solar Eclipse safety can be accessed at <https://eclipse2017.nasa.gov/safety>. The page also contains a number of links with interactive maps, live streaming and other useful tools for instruction.

Additional viewing safety can be found at: <http://www.starnetlibraries.org/EclipseGuide/>

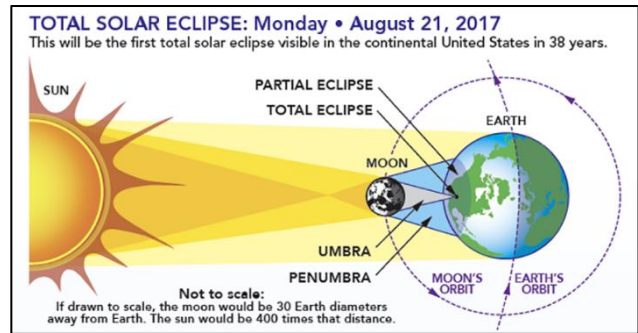


Image Credit: <https://eclipse2017.nasa.gov/eclipse-who-what-where-when-and-how>

WHAT TO EXPECT IN MIAMI

From Miami, a **partial eclipse will be visible** of a magnitude just over 0.8. The blue arrow in the image below can give you an idea of what that means. Note that during a partial solar eclipse, it is extremely dangerous to look directly at the sun even though a fraction of the sun is visible.

The peak of the eclipse for us will occur just before 3:00pm. You can use the interactive map at the NASA website to get more precise time for your specific location and a duration for the entire event.



Image Credit: Michael Zeiler, GreatAmericanEclipse.com with blue arrow added to identify a magnitude similar to what will be experienced across Miami-Dade County