



2024 annular eclipse



April 8th at 12:14pm

Chief Tim Moring



When and Where?

- Fair Oaks Ranch, Texas
- Partial Eclipse Begins at 12:14pm
- Maximum begins at 01:34pm
- Partial Eclipse ends at 02:55pm

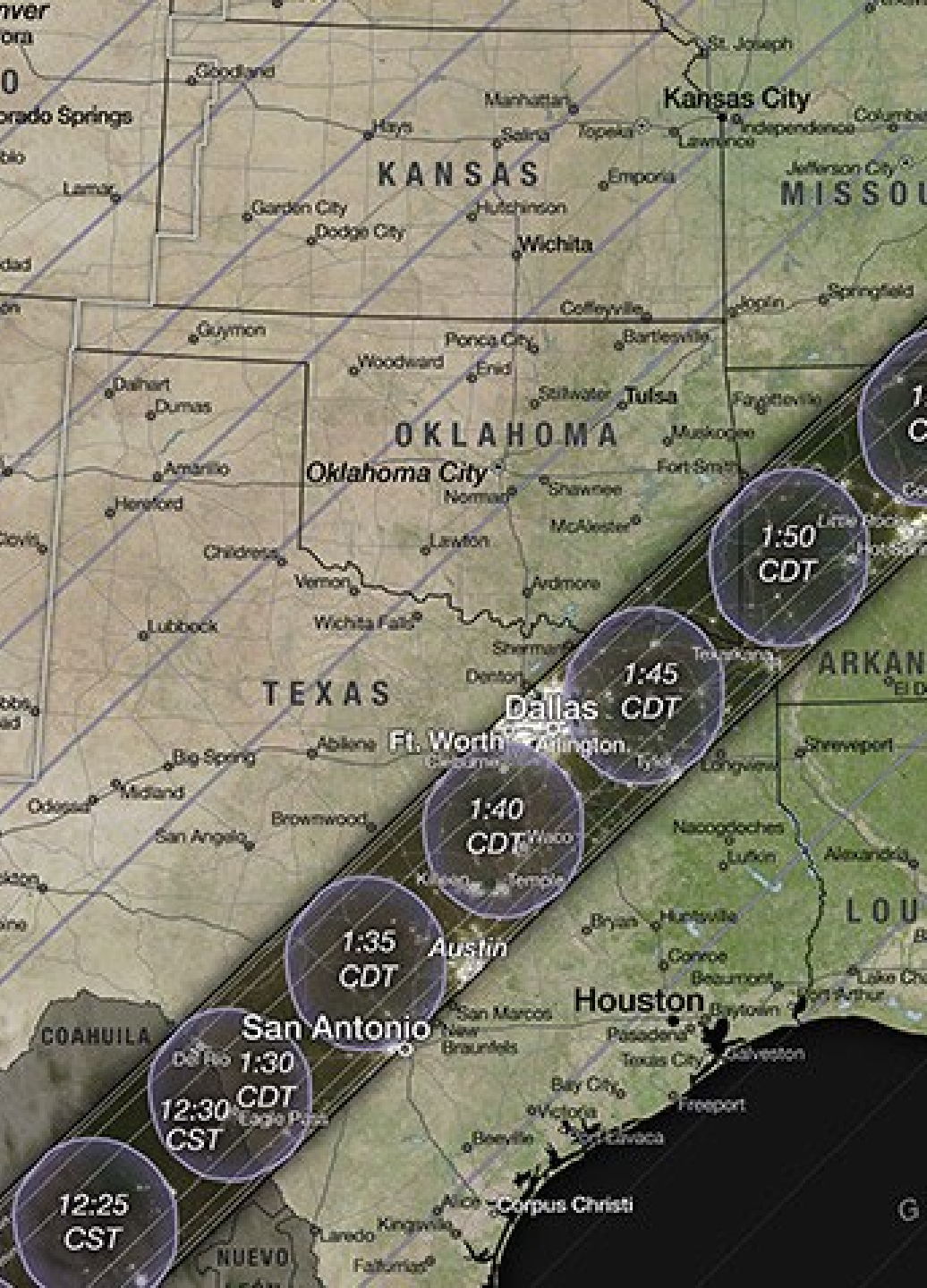
- Central Daylight Time





2024 Path of Totality

Along a path of about 115 miles wide, the Moon will completely block the sun in the sky. Totality lasts up to 4 minutes and 28 seconds depending on the viewer's location within the path.





Safety Considerations



- If you are considering parking in a public area to watch the eclipse, please remember to park legally, not blocking the roadway and be aware of traffic.
- Don't leave home if you don't have to.
- With the increase of visitors to the area supplies at local grocery stores may become low. Make sure to stock up on food, fuel and water.
- The eclipse can be distracting. Don't watch the eclipse and drive.
- Allow yourself additional drive time for any appointments or plans scheduled.
- Drivers need to pay extra attention to roadways as there may be crowds of people watching the eclipse.

Safety Glasses



- Don't look directly at the sun without safe solar film glasses (eclipse glasses)
- Regular sunglasses are **NOT** safe for viewing the sun.
- Safe solar viewers are much darker and must comply with the *ISO 12312-2* international standard.
- Looking through a telescope binoculars, unfiltered camera or other optical devices is **NOT** recommended.



City of Fair Oaks Ranch Proactive Response



Increase the number of officers on patrol.

Maintain communications with EOC in Boerne.

Monitor traffic and deploy officers as needed.

Continue mutual aid discussions Boerne PD, Kendall County Sheriff's, and our local Fire and EMS personnel.

Neighboring Area Response



Surrounding cities and counties are increasing the number of first responders on duty.

Kendall County area will be divided into sections with Fire, EMS, Police deployed to each section.

TXDOT will stop all construction and permit loads to maintain traffic flow.

Kendall County EOC will be established at the Boerne Police Department with back up communications on site.

Cell service will be boosted with emergency network activated.

Boerne Chamber of Commerce is monitoring local Hotel vacancies and large private functions.

Kendall County Fairgrounds parking will be available for a fee.

Area schools and properties have been identified as landing areas for Life Flight if needed and listed as staging areas for EMS.

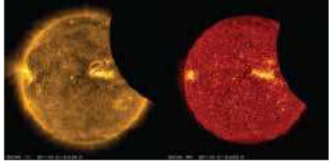




Experience the Total Solar Eclipse Monday, April 8, 2024



WHY DOES NASA STUDY ECLIPSES?



Credit: NASA/SOHO

Eclipses aren't just beautiful—they're great for science. For over a century, solar eclipses helped scientists decipher the Sun's structure and explosive events, find evidence for the theory of general relativity, and discover helium. Today eclipses help NASA predict the structure of the Sun and its impact on Earth. Total eclipses are a unique opportunity to study the Sun because they allow scientists to see a part of the Sun's atmosphere—known as the corona—that is key to answering fundamental questions about how heat and energy are transferred from the Sun out into the solar wind, the constant stream of particles that the Sun scatters into the solar system.

WHAT IS A TOTAL SOLAR ECLIPSE?

For a **total solar eclipse** to take place, the Sun, Moon, and Earth must be in a direct line. The people who see the total eclipse are in the center of the Moon's shadow when it hits Earth. The sky will darken, as if it were twilight. Weather permitting, people in the path of a total solar eclipse can see the Sun's corona, the outer atmosphere of the Sun. A total solar eclipse is the only type of solar eclipse where viewers can watch without their eclipse glasses—and they can only remove them when the Moon is completely blocking the Sun.

A **partial eclipse** happens when the Sun, Moon, and Earth are not exactly lined up. Only a part of the Sun will appear to be covered. During a total or annular solar eclipse, people outside the Moon's inner shadow see a partial solar eclipse.



Partial Eclipse (Use Filter) | Total Eclipse (No Filter) | Partial Eclipse (Use Filter)
A total solar eclipse is about as bright as the full Moon—and just as safe to look at. But the Sun at any other time is dangerously bright. View it only through special-purpose solar filters that comply with the transmission requirements of the ISO 12312-2 international standard for filters for direct viewing of the Sun.
Credit: AAS

SAFETY

Except during the total phase of a total solar eclipse, do not look at the Sun without special eye protection. **BEFORE EACH USE:** Check the front and back of each lens for damage such as scratches, pinholes, or separation from the frame. **DO NOT USE IF DAMAGED!** Cut glasses into small pieces and discard. **DO NOT** attempt to clean or disinfect eclipse glasses except with a soft, dry, nonabrasive tissue or cloth.



You can see the Sun and an eclipse with special eclipse or solar viewing glasses. **NEVER** look directly at the unocculted or partially occulted Sun without appropriate eye wear. Sunglasses are not safe to view an eclipse. For more information, visit: go.nasa.gov/EclipseEyeSafety

ECLIPSES THROUGH THE EYES OF NASA

On April 8, 2024, a total solar eclipse will cross North America creating a path of totality.



Credit: Michia Garrison and the Scientific Visualization Studio (SVS), in collaboration with the NASA HelioPhysics Education Activation Team (NASA HEAT), part of NASA's Science Activation portfolio. Eclipse calculations by Ernie Wright, NASA Goddard Space Flight Center.

To find out where to watch, how to watch, and eclipse duration in your area, explore go.nasa.gov/Eclipse2024

Resources

Visit NASA website for more information
science.nasa.gov/eclipses/future-eclipses/eclipse-2024/

or

Greatamericaneclipse.com/Texas-2024-eclipse