

*2023 ANNULAR ECLIPSE*



## *When & Where?*

- Fair Oaks Ranch, Texas
- October 14, 2023
  - Partial Eclipse Begins at 10:23am
  - Annularity begins at 11:52am
  - Maximum begins at 11:54am
  - Annularity ends at 11:56
  - Partial eclipse ends at 1:33pm







# 2023 PATH OF ANNULARITY

## Eclipses A S A

NASA's Lunar Reconnaissance Orbiter and the European Space Agency's SELENIA lunar orbiter provide the location of the Moon's shadow. The planetary positions are from the JPL Horizons Ephemeris 421. The Marble: Next Generation series were created using Earth at night imagery from NASA's Earth Observing Satellites.

**2024 Total Solar Eclipse**  
Monday, April 8, 2024

Scientific Visualization Studio (SVS), in partnership with the NASA HEAT, is part of the NASA Goddard Space Flight Center

### 2023 Path of Annularity October 14, 2023

Along a path about 125 miles wide, the Sun will appear as a "ring of fire" in the sky. Annularity lasts up to 5 minutes depending on the viewer's location within this path.

### 2024 Path of Totality April 8, 2024

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

Outside of these paths, viewers within the 48 contiguous U.S. states and many other areas will see a partial solar eclipse (in the shaded areas below).



Find More: [solarsystem.nasa.gov/eclipses](https://solarsystem.nasa.gov/eclipses)

NP-2022-11-909-GSFC



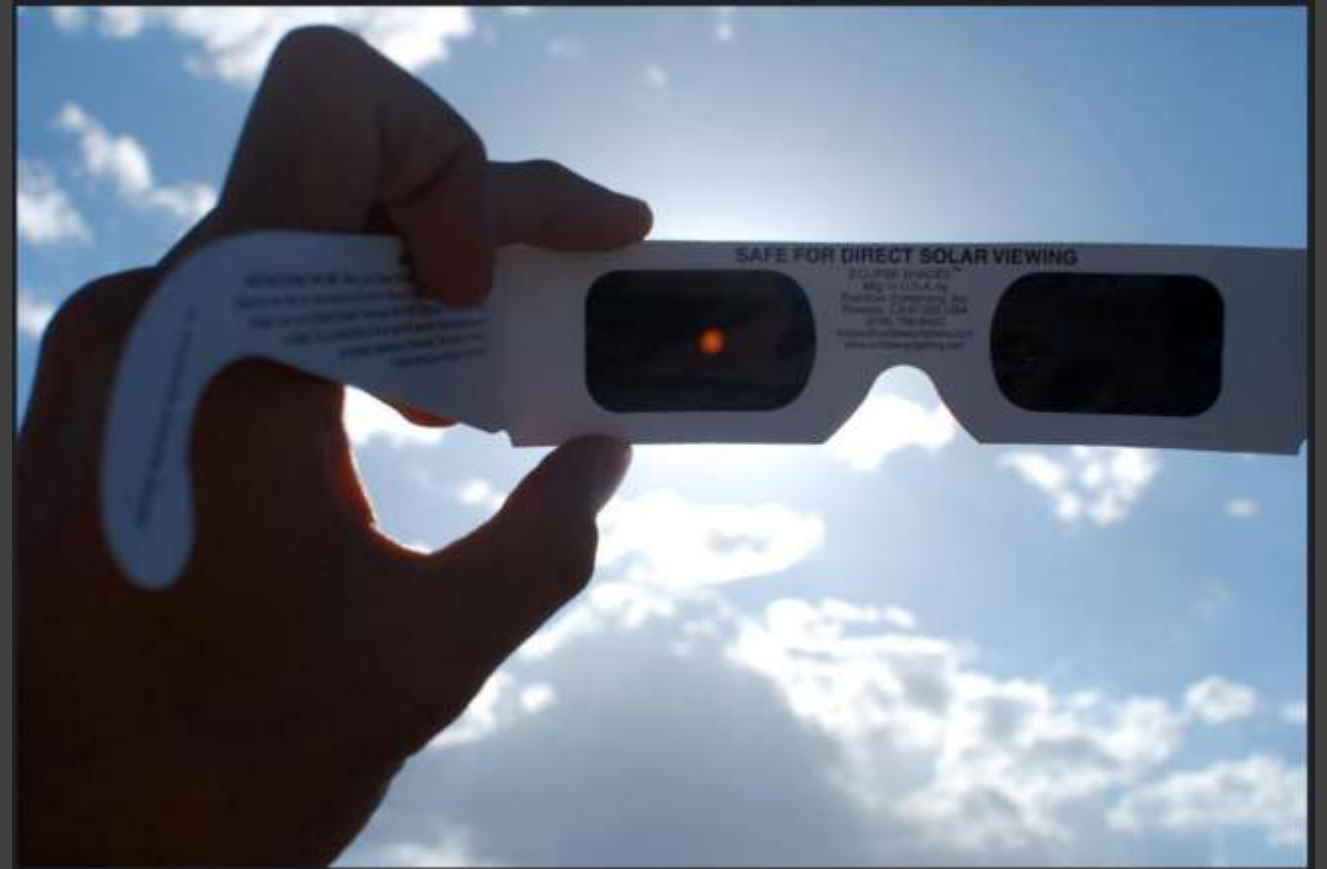
# SAFETY CONSIDERATIONS

- If you plan to park in a public area, please remember to park legally; not block the roadway and be aware of traffic.
- If you are watching an entire eclipse, you may be in direct sunlight for hours. Remember to wear sunscreen, a hat, and protective clothing to prevent skin damage.
- Bring an umbrella or chairs and plenty of water to stay hydrated and avoid issues with heat exposure.
- It could be crowded, so please be considerate to those around you.
- At NO time is it safe to look directly at the sun without special glasses or a solar filter



## 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.



## *Important information and locations of safe areas*



- Fair Oaks Ranch PD is working together with Boerne PD for a safe event
- Boerne Hospital will be on standby with extra personnel.
- Bexar County is aware of the event but are not activating their EOC
- Boerne Police Department will have all employees working: Police Officers, extra medical personnel and extra dispatchers.
- Fair Oaks Elementary school will be a staging area for Helicopter Medevac extraction location if needed in the area for the Fire Department.
- ESD 4 will be on standby to assist in our city.
- Cibolo Creek Church has informed us that people can use their parking lot to have a safe place to see the Eclipse.

National Aeronautics and  
Space Administration



ANNUAL ECLIPSE THROUGH THE EYES OF NASA

SATURDAY, OCTOBER 14, 2023

# ECLIPSE



2023 THROUGH THE EYES OF NASA

SATURDAY, OCTOBER 14, 2023

[www.nasa.gov](http://www.nasa.gov)



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