

Information / Planning

Planning is the key to accomplishing all of your observing objectives.

This is a place to note information about the eclipse that is vital to planning your Eclipse Party.

Latitude: _____

Longitude: _____

Date: _____

Sun's Altitude: _____

Sun's Azimuth: _____

Key Contact Timings:

C1: _____ (start of partial eclipse)

C2: _____ (start of annular eclipse)

C3: _____ (center of eclipse)

C4: _____ (end of annular eclipse)

C5: _____ (end of partial eclipse)

It is **NEVER** safe to look at an Annular Solar Eclipse without proper protective filters!

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The Astronomical League is also providing a Special Observing Award for the Solar Eclipse. For details on the requirements, go to the Website for the Award:

<https://www.astroleague.org/solar-eclipse-observing-challenges/>



Special Solar Eclipse items available through the League Store:

<https://store.astroleague.org/index.php>

ASTRONOMICAL LEAGUE

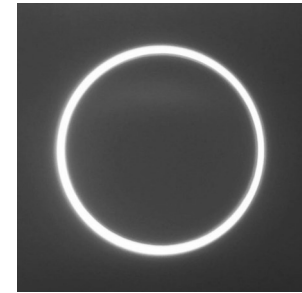
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ASTRONOMICAL LEAGUE

Annular Eclipse Observer Guide and Checklist



This eclipse record was made by:

*Annular Solar Eclipse
October 14, 2023*

www.astroleague.org

Solar Eclipse

MONTHS BEFORE THE ECLIPSE

- [] Review the star charts for the expected location of the Sun during the eclipse.
- [] Identify bright stars that will be close to the Sun during the eclipse.
- [] Identify the locations of the bright planets during the eclipse.
- [] Take an image of the sky at night where the Sun will be during the eclipse.

HOURS BEFORE THE ANNULAR ECLIPSE

- [] Set up all equipment that will be used during the eclipse.
- [] Review the timeline for the activities during the eclipse.
- [] Check all equipment.

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Observing Checklist

15 MIN. BEFORE OR AFTER ANNULARITY

- [] Observe and photograph bird and animal behavior changes.
- [] Note changes in temperature, barometric pressure, clouds and cloud color, wind speed, and formation of fog.
- [] Observe and photograph the appearance of crescent suns on the ground.
- [] Observe and photograph shadow bands on a flat white surface.
- [] Observe any increase in contrast or shadows on Earth.
- [] Observe and photograph the partial eclipse. Note sunspots.
Use proper solar filters.
- [] Note, observe and photograph the approaching shadow of the Moon.

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These effects are not visible during an annular eclipse.

MOMENTS BEFORE OR AFTER TOTALITY

- [] Observe and photograph the Diamond Ring.
- [] Observe and photograph Bailey's Beads.

DURING TOTALITY

- [] Observe and photograph the Corona.
- [] Observe and photograph prominences and flares.
- [] Note changes in temperature and the brightness and the color of the sky and clouds.
- [] Note appearance of stars and planets.
- [] Observe and photograph the location of stars close to the edge of the Sun.