

2024 Total Solar Eclipse Resources

EYE SAFETY:

*****NEVER*** look at the solar disk without proper solar filters unless it's during those precious few moments of totality.**

****DO NOT** use any of the following: sunglasses, welding glasses lower than Shade #14, Pop Tart wrappers, X-ray films, smoked glass or any old "eyepiece" solar filter.**

Eyes only: Shade #14 or higher welding glasses, or Solar Eclipse glasses meeting ISO Standard 12312-2. **ONLY USE ECLIPSE GLASSES OVER YOUR EYES, *NOT* THROUGH A TELESCOPE OR BINOCULARS.**

Vendors: American Paper Optics, Baader Planetarium, Celestron, Daystar Filters. As of October 2023, Celestron Eclipsmart glasses sold at Time & Optics Ltd., 6954 CR 77, Millersburg, OH 44654

Telescope/Binocular Solar Filters: Baader Planetarium, Thousand Oaks Optical and Spectrum Telescope, to name a few. Sold by Agena Astro, High Point Scientific and Astronomics.

WEATHER AND WEATHER MODELS/FORECASTS:

Tropical Tidbits (<https://www.tropicaltidbits.com/analysis/models/>) Detailed models that include cloud cover and TYPE of cloud cover (low/middle/high). Avoid low cloud cover at all costs. Includes GFS model, which goes out to 16 days.

College of Dupage Weather Models (<https://weather.cod.edu/forecast/>) Highly detailed weather models for the Continental U.S., including GFS (16 days), Canadian GEM (10 days) and NAM (84 hours) models. Also includes HRRR, short-term but high-resolution model.

Astrospheric (www.astrospheric.com) Cloud cover and transparency forecasts

Clear Sky Chart (<https://www.cleardarksky.com/csk/>) Cloud cover forecast based on GEM model from Canadian Meteorological Centre. Goes up to 84 hours out.

SOLAR ECLIPSE PHOTOGRAPHY/MAPS:

Fred Espanak (<https://www.mreclipse.com/>) Great resource for photography tips, equipment recommendations and maps for future solar eclipses.

Jay Anderson (<https://eclipsophile.com/>) Focuses on the climate odds for upcoming solar eclipses.

Eclipsewise (<https://www.eclipsewise.com/solar/solar.html>) Past and future solar eclipse paths.