



August 21, 2017
eclipse
The Discovery | Reno, NV

Solar Eclipse Viewing Guide

On Monday, August 21, 2017, a solar eclipse will be visible across all of North America. A solar eclipse occurs when the moon blocks any part of the sun. In Reno we will experience a partial eclipse of 81% of the sun's disk.

An eclipse is a rare and striking phenomenon you won't want to miss, but you must carefully follow safety procedures. No matter what recommended technique you use, do not stare continuously at the sun. Take breaks and give your eyes a rest! Do not use sunglasses: they don't offer your eyes sufficient protection.

The only safe way to look directly at the un eclipsed or partially eclipsed sun is through special-purpose solar filters, such as "eclipse glasses" or hand-held solar viewers.

1. Always inspect your solar filter before use; if scratched or damaged, discard it. Always supervise children using solar filters.
2. Stand still and cover your eyes with your eclipse glasses or solar viewer before looking up at the bright sun. After glancing at the sun, turn away and remove your filter—do not remove it while looking at the sun.
3. Do not look at the un eclipsed or partially eclipsed sun through an unfiltered camera, telescope, binoculars, or other optical device.

An alternative method for safe viewing of the partially eclipsed sun is pinhole projection. For example, cross the outstretched, slightly open fingers of one hand over the outstretched, slightly open fingers of the other. With your back to the sun, look at your hands' shadow on the ground. The little spaces between your fingers will project a grid of small images on the ground, showing the sun as a crescent during the partial phases of the eclipse.

