

October 14, 2023 Partial Annular Solar Eclipse

- An October 2023 Sky Event from the [Astronomy Club of Asheville](#)

On **October 14, 2023** much of North America will experience a solar eclipse, as the New Moon, passing between the Earth and the Sun, will also cross the Earth-Sun ecliptic plane. Because the Moon is just past "apogee" – its farthest position from Earth during its 29½ day elliptical orbit, its disk will not completely cover the Sun. Instead, at maximum eclipse, its disk will appear to be surrounded by a "ring" of sunlight – for those of you under the narrow path of annularity. This type of eclipse is a very special type of partial eclipse, called an "annular" eclipse – from the Latin word "annulus", meaning ring.



Unfortunately, for those of us in the Asheville region, we will not experience this ring of fire. Instead, we will be entertained with a partial solar eclipse that, at maximum, will cover about 44.9% of the Sun's disk.

Find out more about this solar eclipse and its path of annularity at [this link](#).

You must use proper solar eye protection for observing all phases of a partial eclipse like this one.

Approximate timings for this 2 hour, 56 minute solar eclipse in the Asheville, NC region:

First contact	11:47 a.m. EDT	Eclipse begins
Maximum eclipse	1:13 p.m. EDT	44.9% obscuration
Last contact	2:43 p.m. EDT	Eclipse ends