## Astronomy Club of Asheville September 2025 Sky Events

## **A Crescent Moon Visits Antares**

Shortly after sunset on **September 26-28**, a waxing crescent Harvest Moon will pass the super red-giant star Antares in the constellation Scorpius – the Scorpion. Because this Moon will be the closest full Moon to the September Equinox (Sept. 22<sup>nd</sup>), it is designated as the 2025 Harvest Moon.

This Harvest Moon is full on the night of October 6/7, and it reaches "perigee" (its closest approach to Earth in its elliptical orbit) on October 8<sup>th</sup>. It will be one of the year 2025's larger full Moons.

Put this misleading 2-dimensional scene into its 3<sup>rd</sup> dimension by pondering that the star Antares is sending those reddish photons of light our way from some 550 light years behind the Moon!

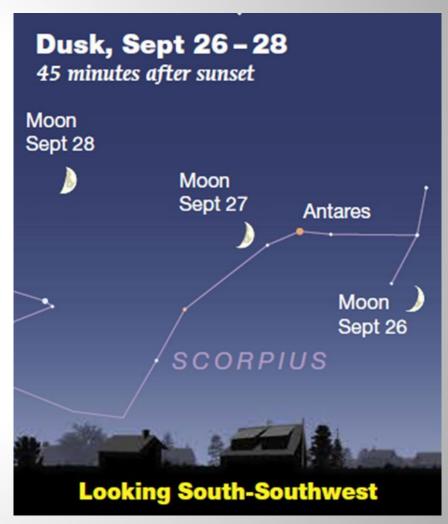


Illustration courtesy of <u>SKY & TELESCOPE</u>