

## **Astronomy Club of Asheville**

## September 2024 Highlight The Autumnal Equinox – Sept. 22<sup>nd</sup>

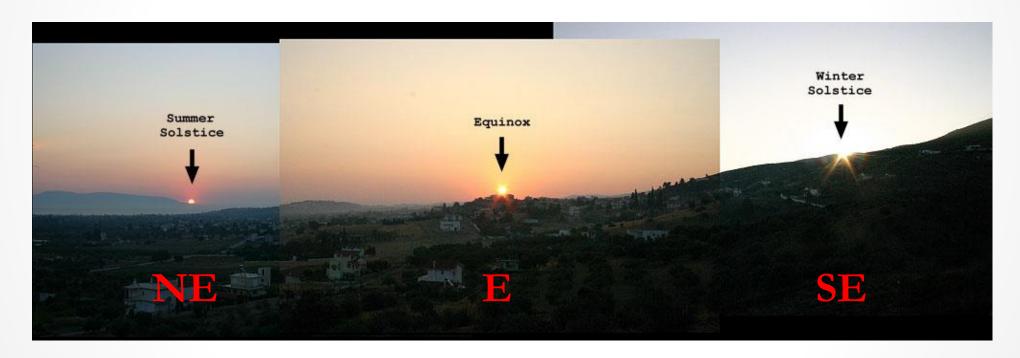
- \* On Sunday, Sept. 22<sup>nd</sup>, at 8:44 a.m. EDT, the Sun begins its journey south of the celestial equator, bringing autumn to the northern hemisphere and spring to the southern hemisphere.
- \* This event is called the "autumnal (fall) equinox" in the northern hemisphere.
- \* On this day, all places on Earth experience nearly equal amounts of daylight and darkness about 12 hours of each. "Equinox" literally means "equal night".
- \* For all places on Earth at the equinox, the Sun rises due east and sets due west.



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Montage of Summer Solstice, Equinox and Winter Solstice sunrises from a small Greek town showing the seasonal motion of the Sun.



Note: only on the Equinoxes does the Sun rise due East and set due West!