



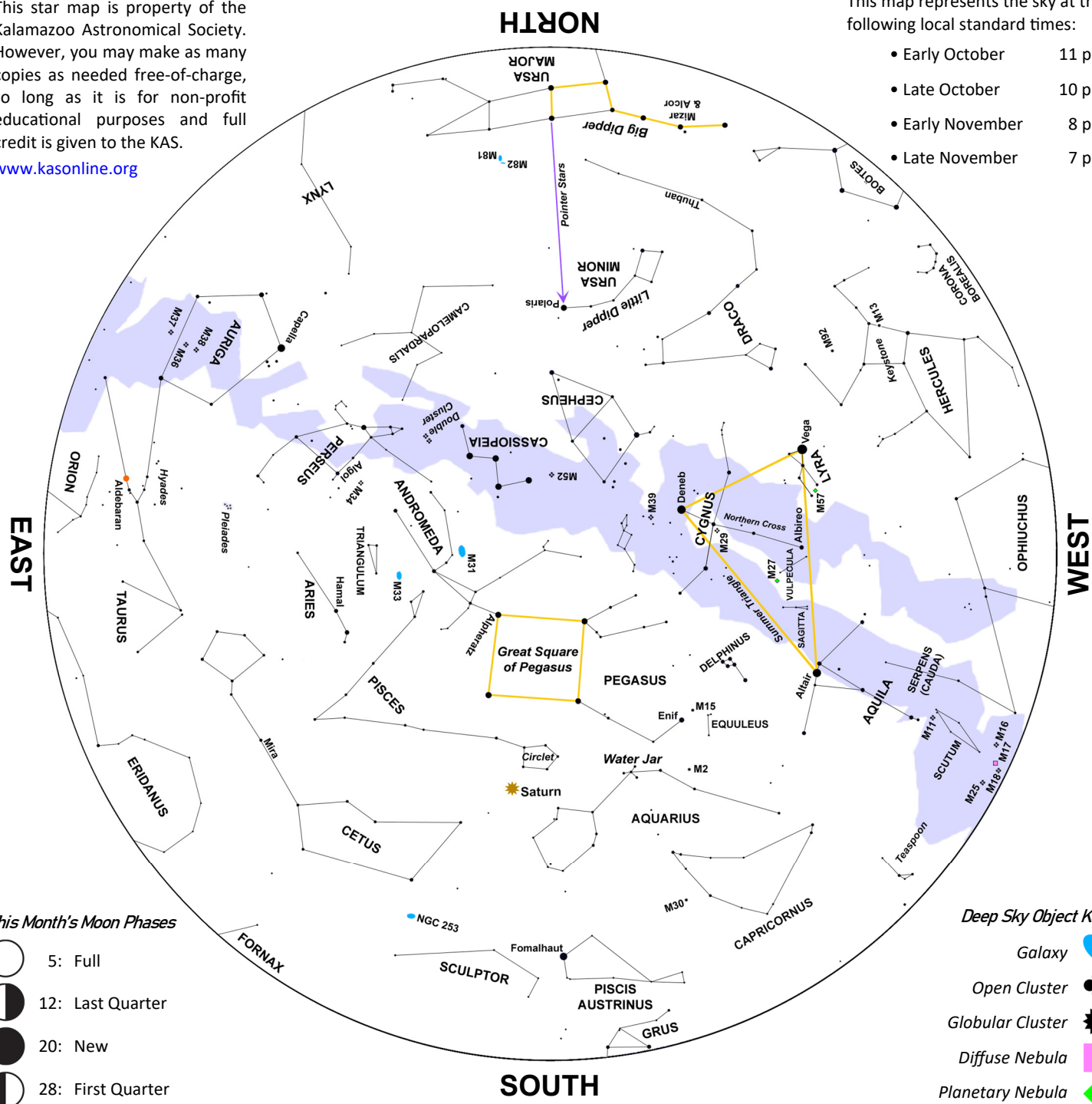
November Night Sky

This star map is property of the Kalamazoo Astronomical Society. However, you may make as many copies as needed free-of-charge, so long as it is for non-profit educational purposes and full credit is given to the KAS.

www.kasonline.org

This map represents the sky at the following local standard times:

- Early October 11 pm
- Late October 10 pm
- Early November 8 pm
- Late November 7 pm



This Month's Moon Phases

- 5: Full
- 12: Last Quarter
- 20: New
- 28: First Quarter

Deep Sky Object Key

- Galaxy
- Open Cluster
- Globular Cluster
- Diffuse Nebula
- Planetary Nebula

All things considered, this November is a quiet one for night sky highlights. However, there are several events worthy of your time this month!

On the evening of November 9th, for example, a waning gibbous Moon will be less than 3° to the lower right of Gemini's brightest star, Pollux. Jupiter, in turn, is around 4° to the Moon's lower right. This

entire scene will just fit in a pair of 7×50 binoculars.

On the morning of November 13th, a waning crescent Moon will follow Regulus in Leo by approximately 4½°.

The Leonid meteor shower peaks during the early morning hours of November 17th. The Moon will not cause any interference. Under

dark skies, observers should expect between 9 and 10 meteors per hour. If you're still up from meteor watching all night, look for a thin waning crescent Moon 2° below Spica, Virgo's brightest star, low in the east-northeast.

On November 29th at dusk, the Moon, just one day past first quarter, hangs 4½° to the upper left of Saturn.