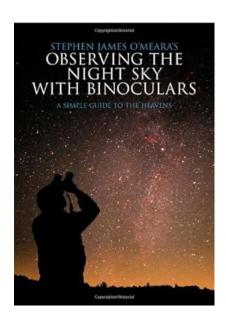


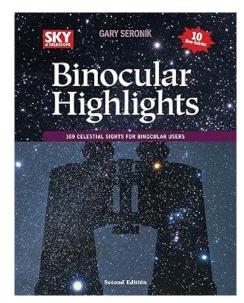


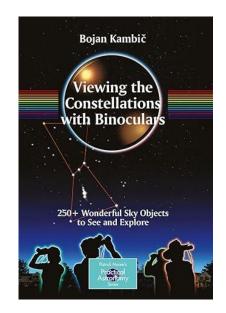


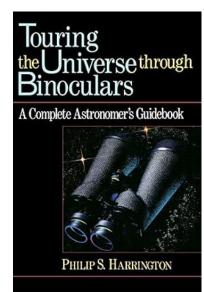
SkySafari 7 Pro

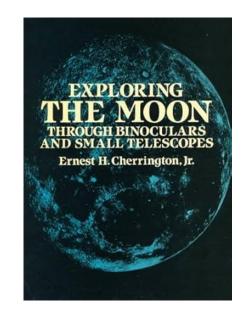












Asterisms you should be able to recognize:

Ursa Major (Big Dipper)

Boötes

Lyra

Pegasus

Orion

Leo

Stars you should be able to find:

Name Location

Polaris and the Pointers Ursa Minor and Ursa Major

Arcturus Boötes

Vega Lyra

Alpheratz Andromeda (Pegasus)

Rigel Orion

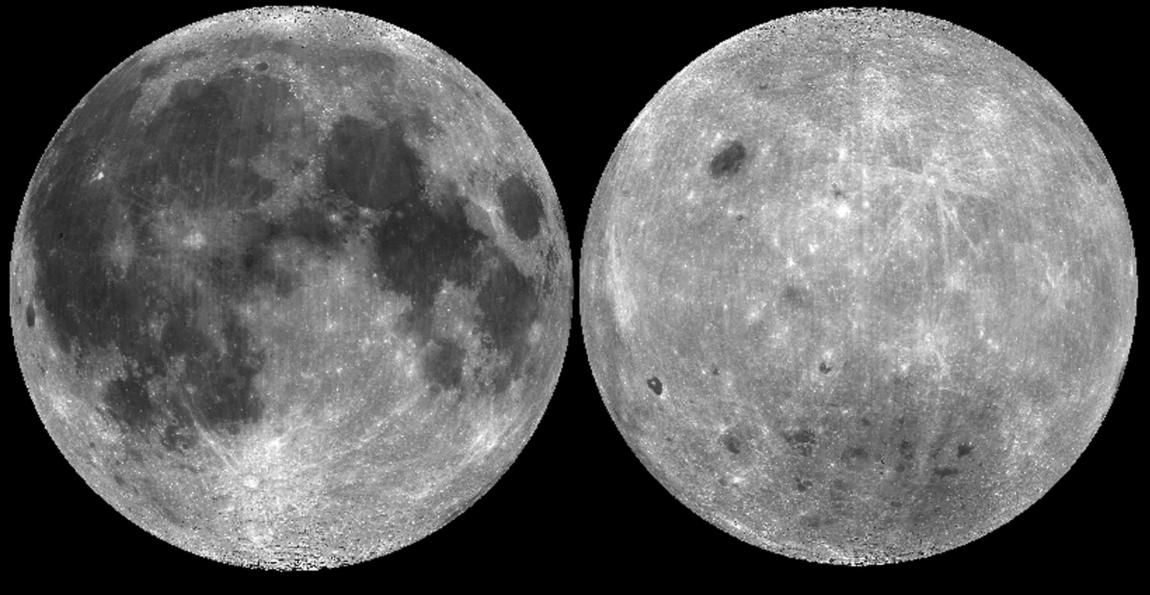
Betelgeuse Orion

Regulus Leo

25 Brightest Stars Sorted by B-V (without duplicates)



Sun +0.66



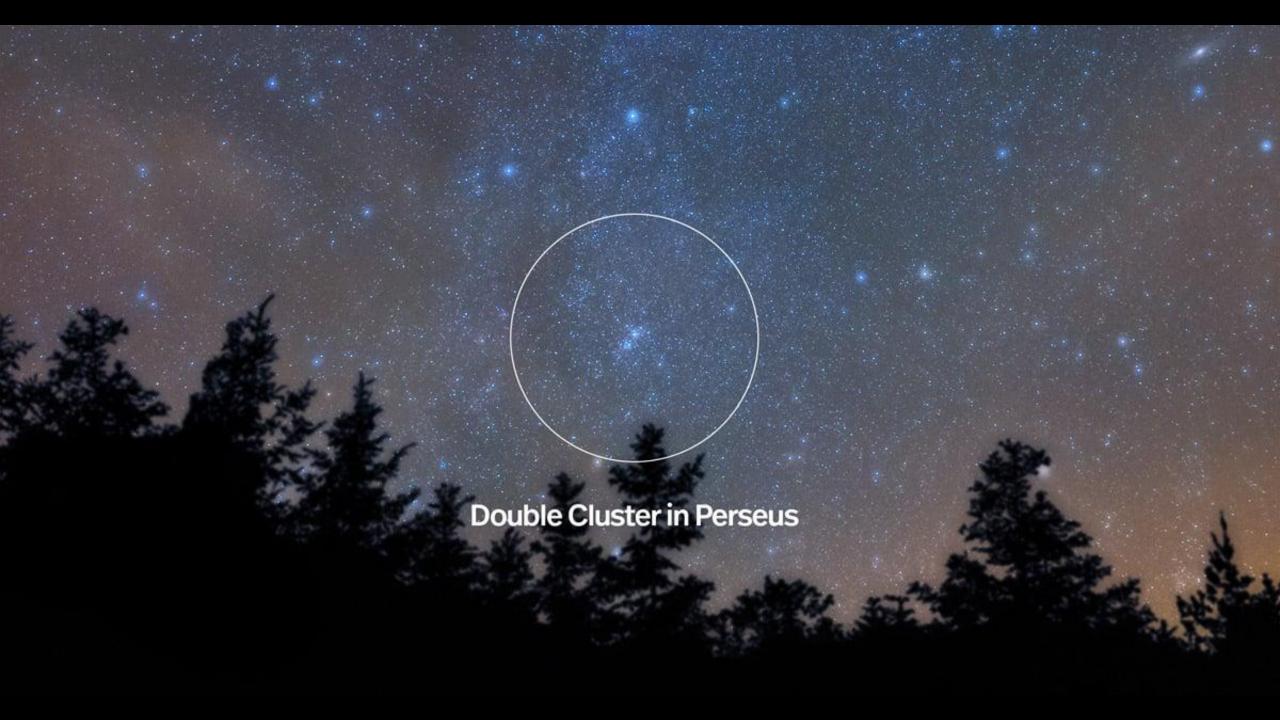
Near Side Far Side

Use Stellarium

Star Hop!



(1) Ceres

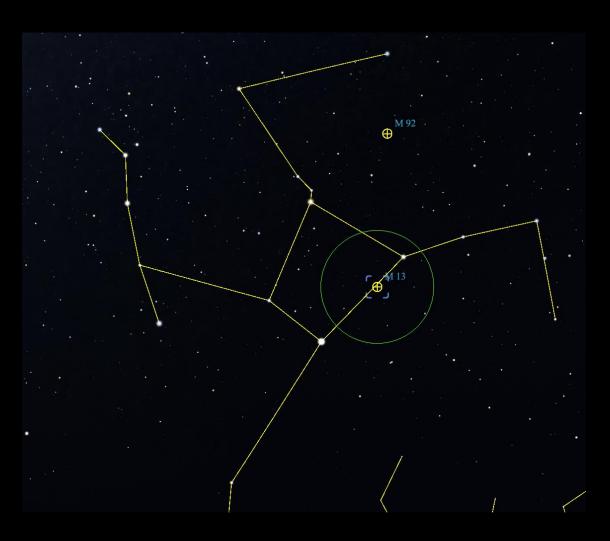


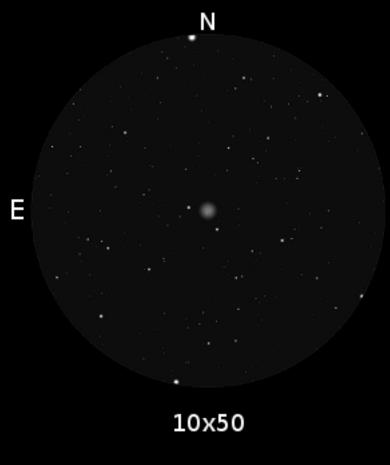
The Coathanger



10x50

M13 - The Great Hercules Cluster





M42 – The Great Orion Nebula





10x50

Funnel Cloud . Vega Cygnus Star Cloud Deneb the Great Rift Northern Coalsack Altair

The Great Rift

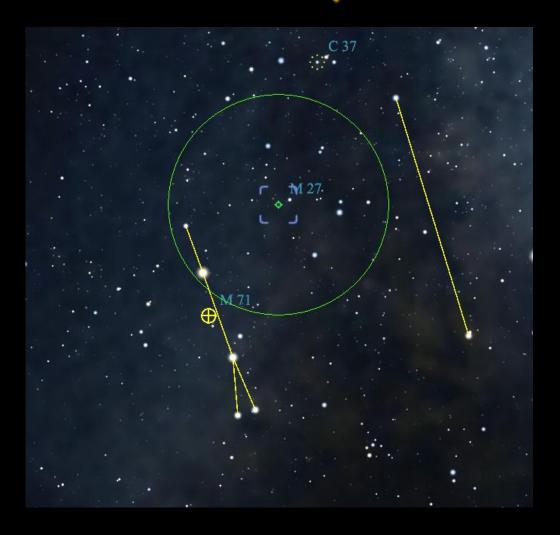
Small Sgr Star Cloud

Large Sgr Star Cloud

Scutum Star Cloud

"Teapot"

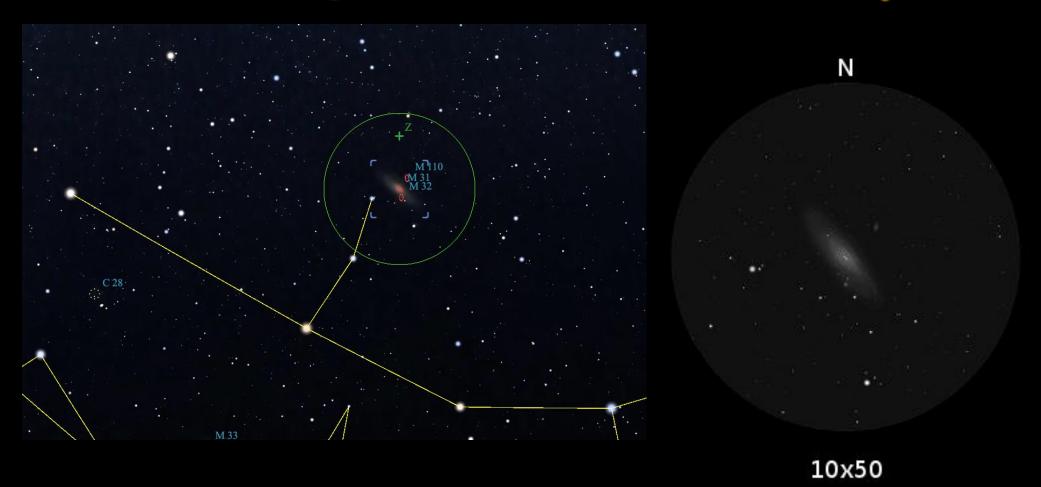
M27 – Dumbbell Nebula





10x50

M31 – Andromeda Galaxy



Astronomical League Binocular Observing Programs

Advanced Binocular Double Star

Asterism

Binocular Double Star

Binocular Messier

Binocular Variable Star

Deep Sky Binocular

Earth Orbiting Satellite

Galileo – Binocular

Lunar – Binocular

Solar Neighborhood – Binocular

Solar System – Binocular

Southern Skies Binocular



Binocular Master Observer Completion of at least 8

Planning an observing session – Tsula's Big Adventures

https://www.youtube.com/watch?v=7RLyzQU9xkY

- 1. Check the weather and the phase of Moon
- 2. Prepare an observing list maybe 10 objects
- 3. Organize everything you need see next 2 slides
- 4. Don't forget your binoculars!!!
- 5. Record your observations
 - 1. Take your time with each object
 - 2. Detailed notes and sketches
- 6. Have fun!

Cosmic Connections: An Introduction to Astronomy and Maine's Magnificent Night Skies

Discover the science behind Maine's Magnificent Night Skies in this relaxed, friendly Zoombased tour of the Universe. We will explore why stars shine with different colors, why the Moon changes shape, how gravity sculpts planetary orbits, and how modern astronomy reveals details of our galaxy and the Universe beyond. Easily recognizable seasonal sky features will be used as examples. The emphasis is on clear explanations, evidence-based reasoning, and building understanding of how the cosmos works. No math, special equipment, or prior astronomy background is needed. Just bring your curiosity, your questions and your sense of wonder.