

Astronomy Is Exciting

Robert Vanderbei

October 7, 2026

Monmouth County Library

<https://vanderbei.princeton.edu>



Full Moon

June 14, 2022



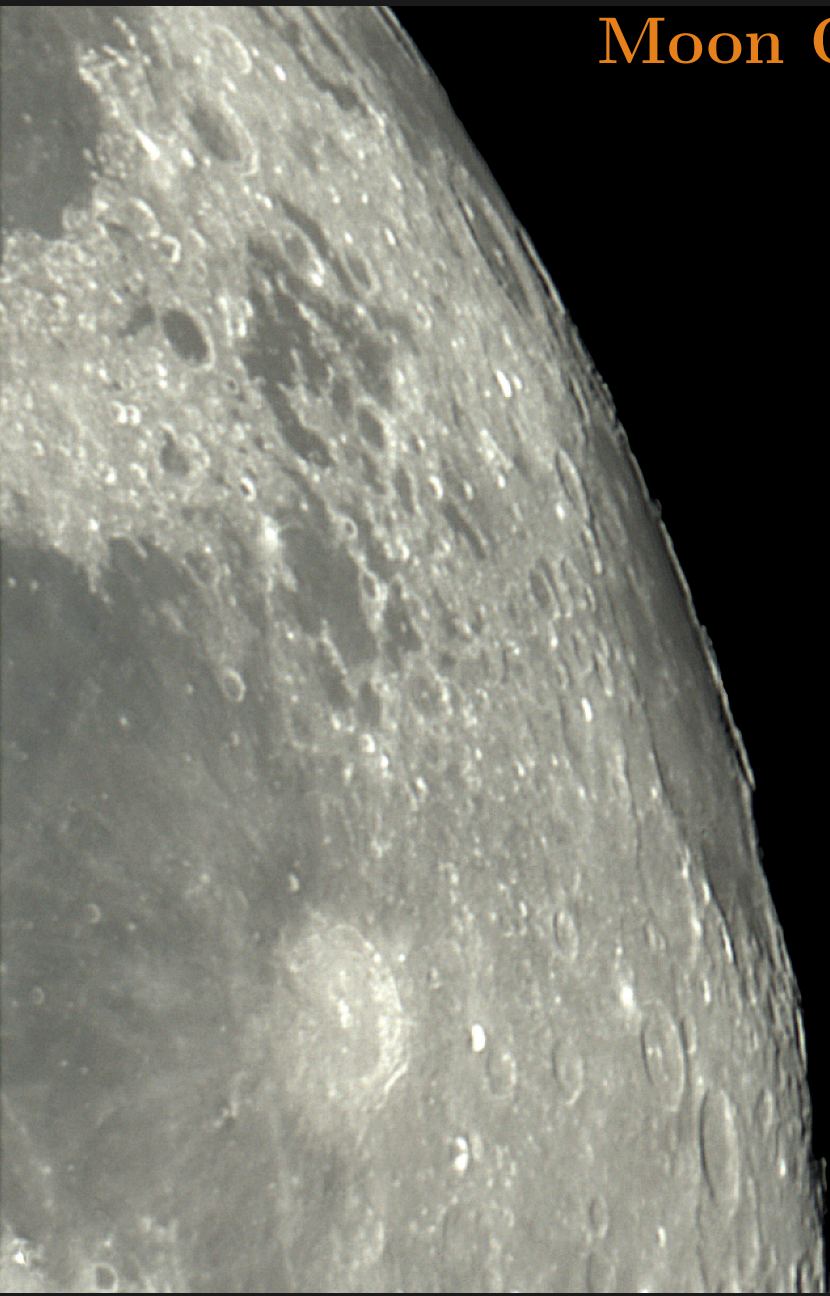
Crescent Moon

4:07pm Nov. 5, 2021



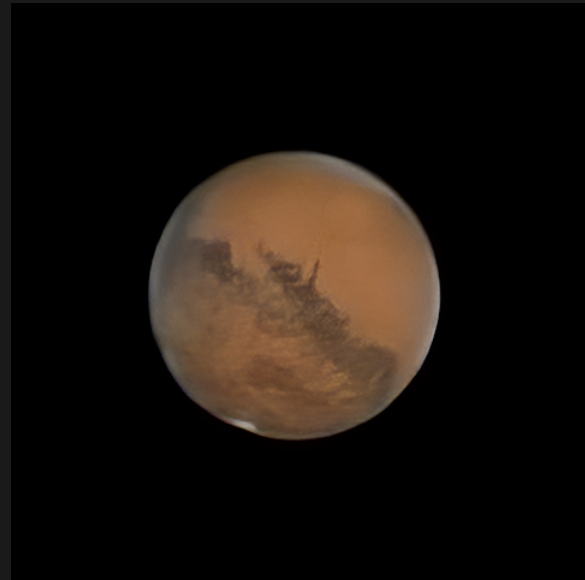
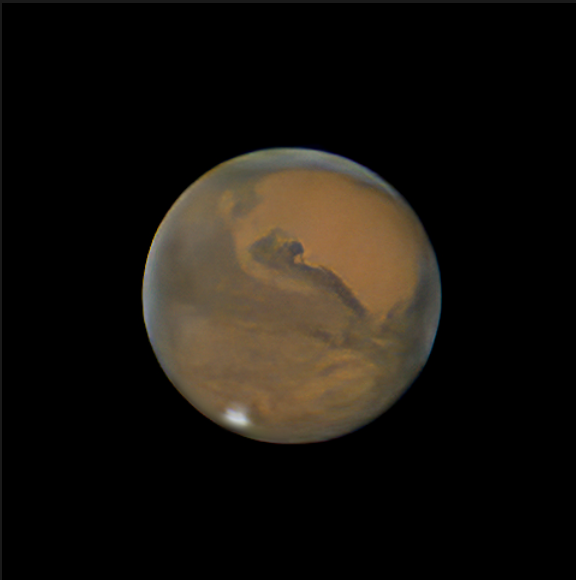
Moon Occulted Mars

January 13, 2025



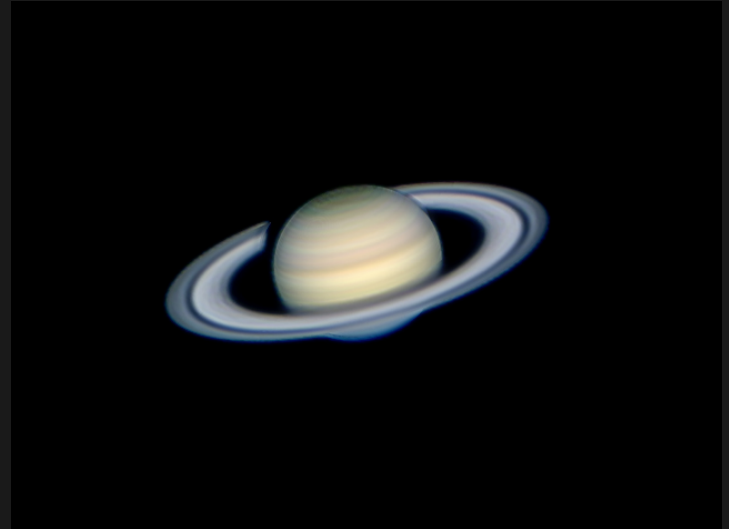
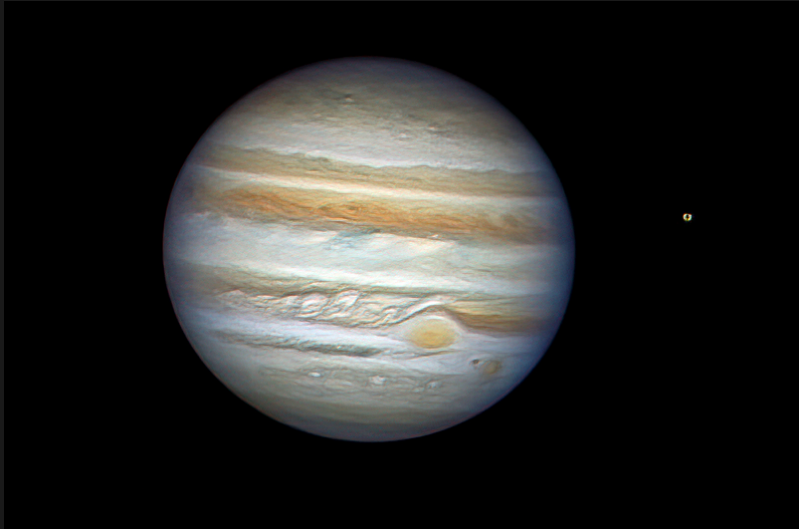
Mars

Oct. 6 and 18, 2020



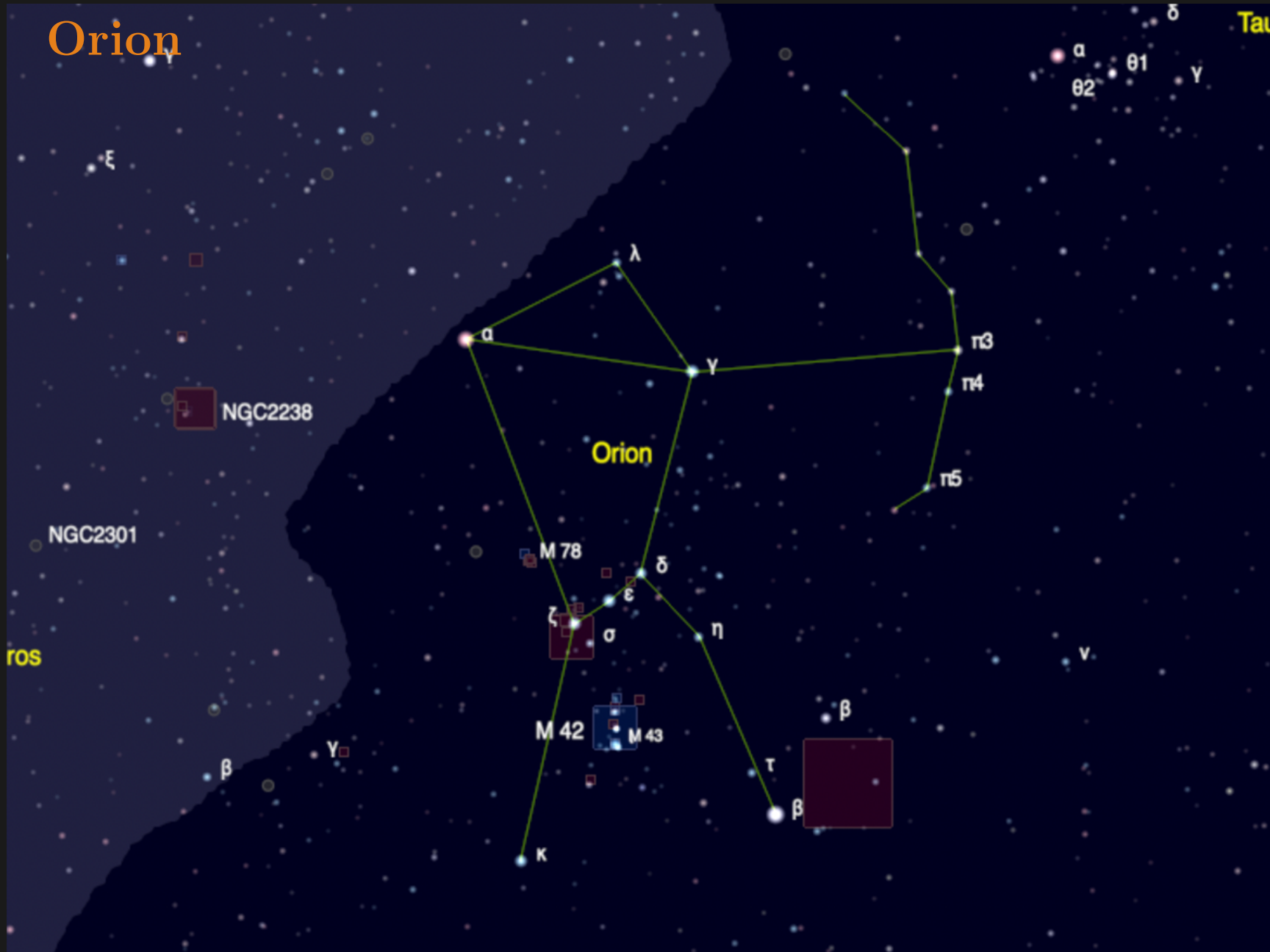
Jupiter and Saturn

32 and 67 min



Looking Out Beyond Our Solar System

Orion



Orion Nebula

Star Forming Region

1,344 ly

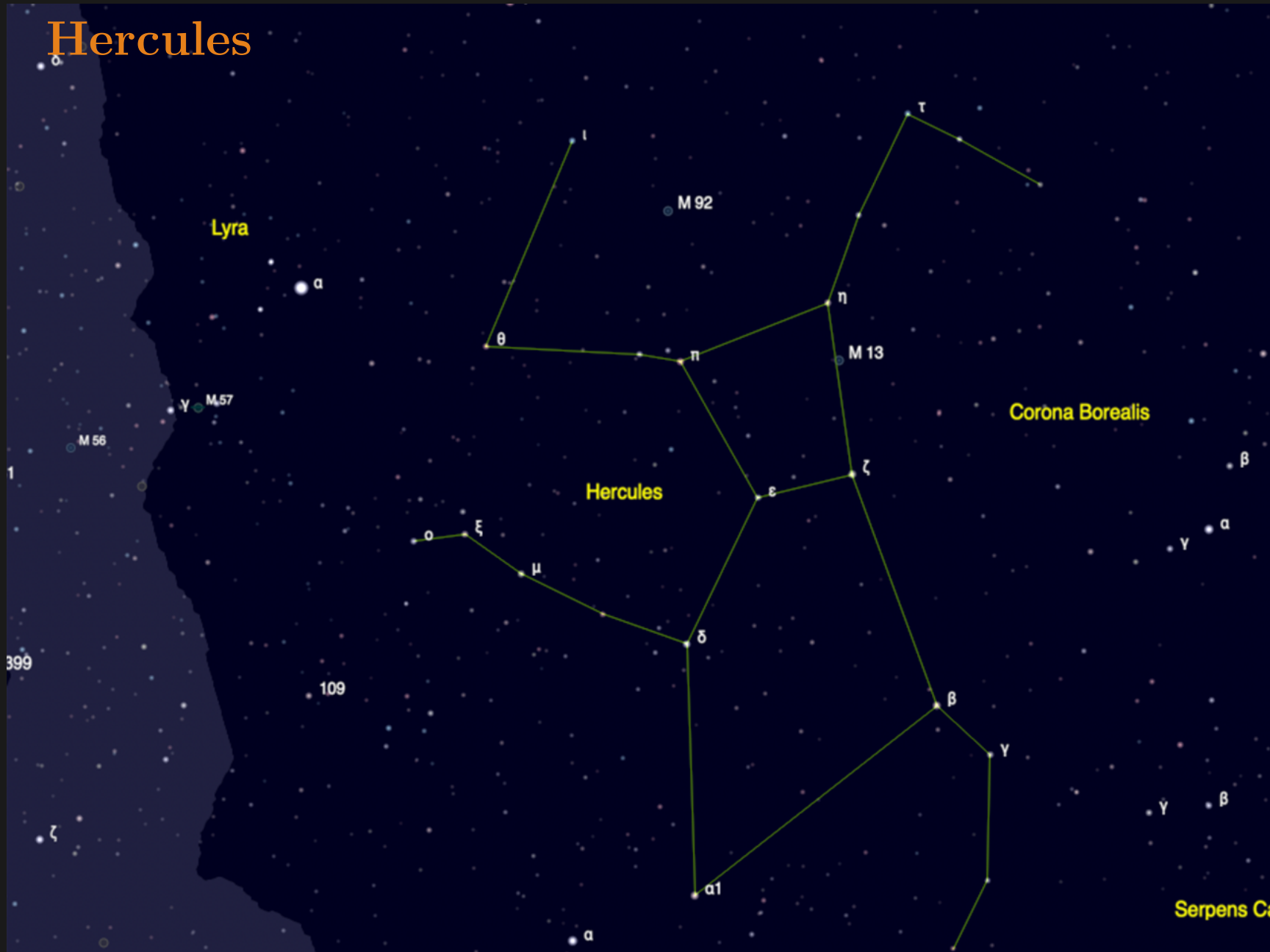


Horsehead and Flame Nebulas

1,500 ly



Hercules

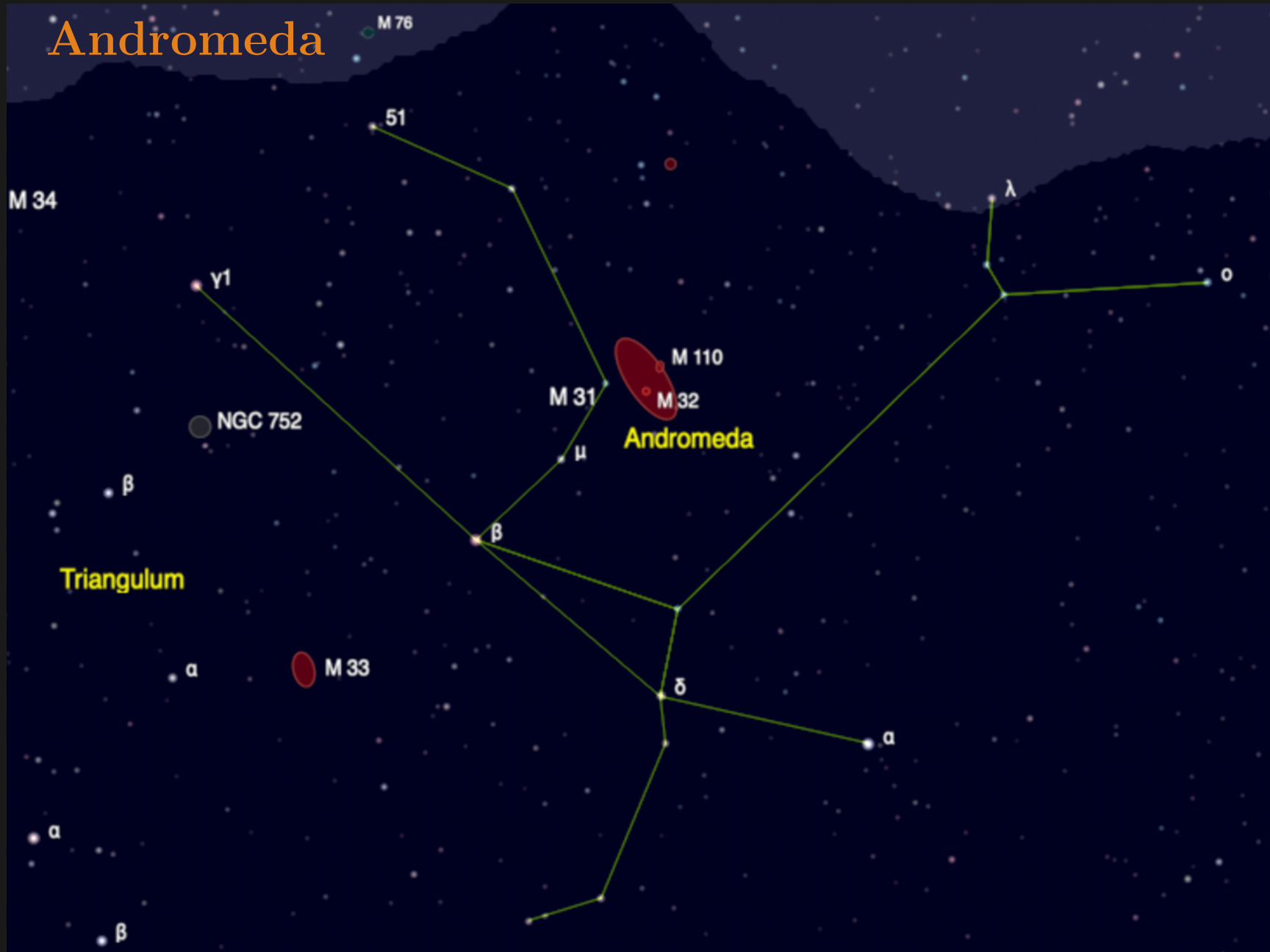


Globular Cluster in Hercules

22,200 ly



Andromeda



The Andromeda Galaxy

2,450,000 ly



The Leo Trio

32,000,000 ly



More Photos...

Dumbbell Nebula

Dying Star

1,360 ly



Ring Nebula

2,567 ly



Jellyfish Nebula

5,000 ly



Eagle Nebula

5,700 ly



Crab Nebula

Oct. 27, 2006

6,500 ly



Bubble Nebula

$9,100 \pm 2,000$ ly



M81 and M82

12,000,000 ly



The Whirlpool Galaxy

31,000,000 ly



Comet 103P / Double Cluster

1.2 min / 7,460 and 7,640 ly

