

May Mayhem - 2022

- Moon Shots - total lunar eclipse, May 15
- Dawn planets all month: Venus, Mars, Saturn, Jupiter, Uranus, Neptune
 - Mars & Neptune conjunction May 17
 - Mars & Jupiter conjunction May 27
- Evening planet: Mercury
- Constellations: best views of Canes Venatici, Coma Berenices, Virgo, Corvus, and Centaurus this month
 - DSOs in Canes Venatici

Moon Shots - Lunar Eclipse, May 15

at perigee
~90 minute duration!

1955 hrs



2030 hrs
Alt 7 deg



Moon

2200 hrs
Alt 21 deg



2250 hrs
Alt 27 deg



SE

Dawn Planets - May 25

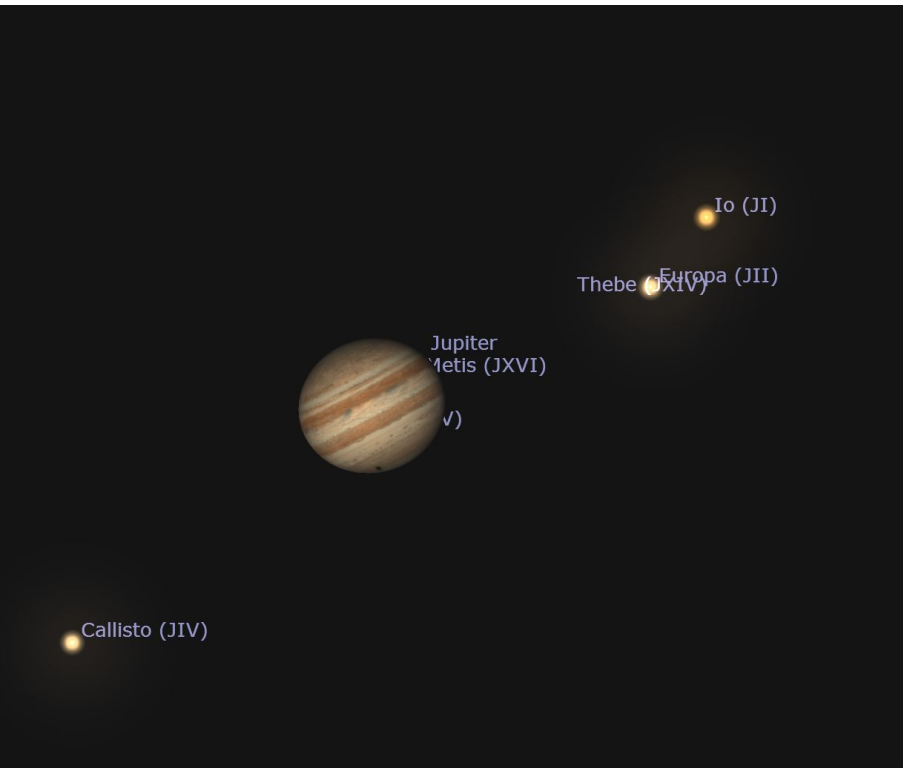
Mars-Jupiter conjunction on May 27



Jupiter & its Moons - May 27, 29

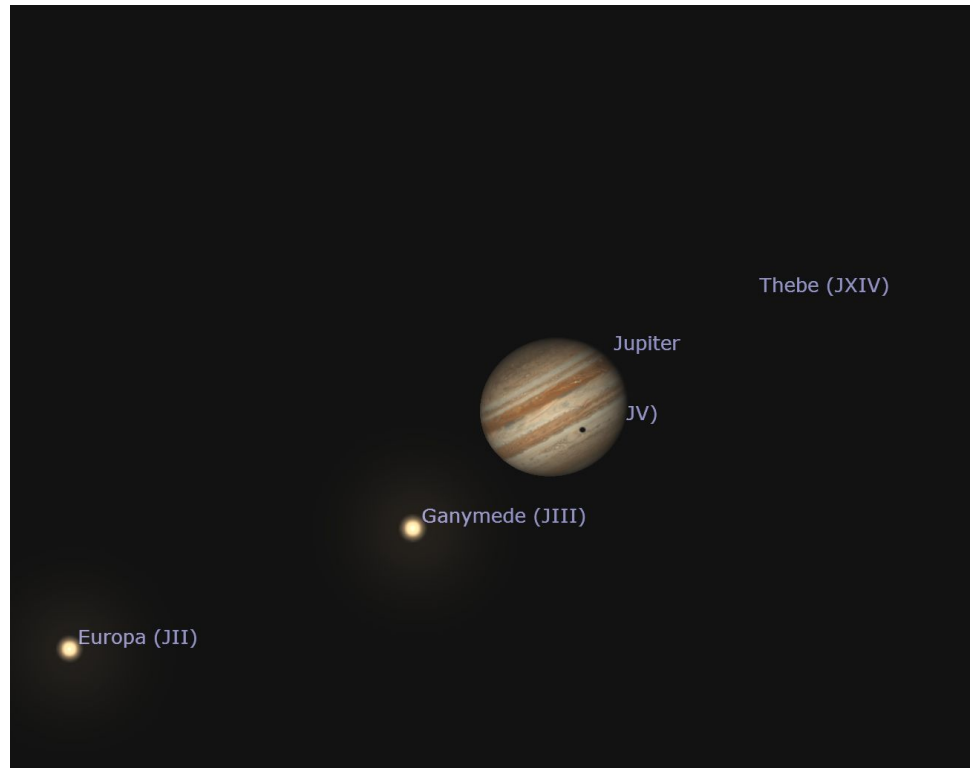
Jupiter - Callisto interaction

Callisto's shadow transits the south polar regions of Jupiter for 2.5 hrs



Jupiter - Ganymede interaction

Ganymede's shadow transits the southern portion of Jupiter





May constellations

May 19 - 2300 hrs

Canes Venatici, Coma Berenices, Virgo, Corvus, Centaurus

Asterisms

Big Dipper

Spring Triangle

- Arcturus, Regulus, Spica

Great Diamond of Virgo

- Arcturus, Cor Caroli, Denebola, Spica

Deep Sky Objects

Canes Venatici

- M51 - Whirlpool Galaxy
- M63 - Sunflower Galaxy
- M94 - Cat's Eye Galaxy



Canes Venatici galaxies, appearing south of the Big Dipper's handle, image: Wikisky



Whirlpool Galaxy (Messier 51), photo: NASA, ESA, S. Beckwith (STScI), and The Hubble Heritage Team (STScI, AURA)

Whirlpool Galaxy

binoculars under good conditions
 ~1/2 size of Milky Way, 23 MM light years



Sunflower Galaxy (Messier 63). Image: Adam Block/Mount Lemmon SkyCenter/University of Arizona

Sunflower Galaxy

binoculars as a hazy patch of light
 ~ size of Milky Way, 37 MM light years



Cat's Eye Galaxy

Small telescope able to discern as galaxy
 40 billion stars, 15 MM light years