



June 2026 Astronomy Report



- **Moon:**
 - Phases
- **Planets:**
 - Evening: Mercury, Venus, Jupiter
 - Morning: Mars, Saturn, Uranus, Neptune
 - Summer solstice occurs June 21st at 1:25 am PDT
- **Comets/Asteroids/Meteor Showers:**
 - Comet 10P/Tempel
 - Asteriod 21 Lutetia
- **Dark Sky Star Party:**
 - 22171 Cody Ct - BVS, June 13
- **Public Viewing:**
 - Triassic Winery, June 20

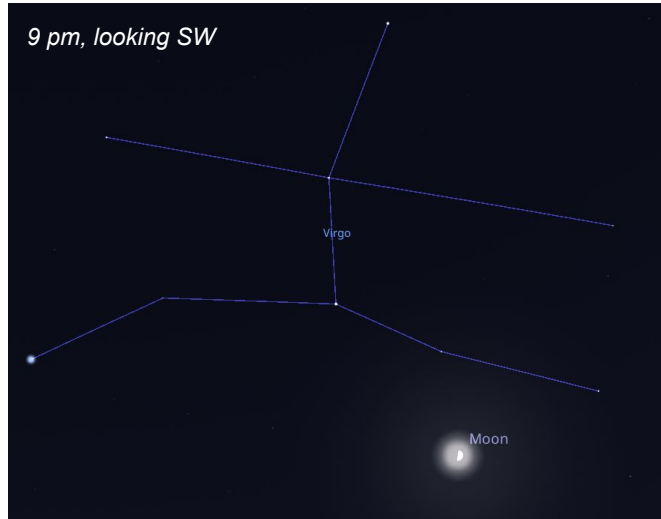
Moon - Phases

June 14 - New Moon

June 8 - Last Quarter (Aquarius)



June 21 - First Quarter (Virgo)



June 29 - Full Moon (Sagittarius)



Apogee (252,441 miles) - 28th

Perigee (221,952 miles) - 14th



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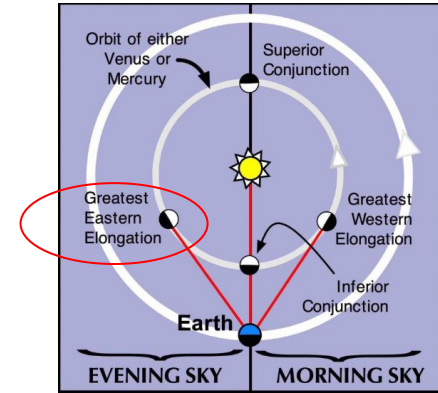
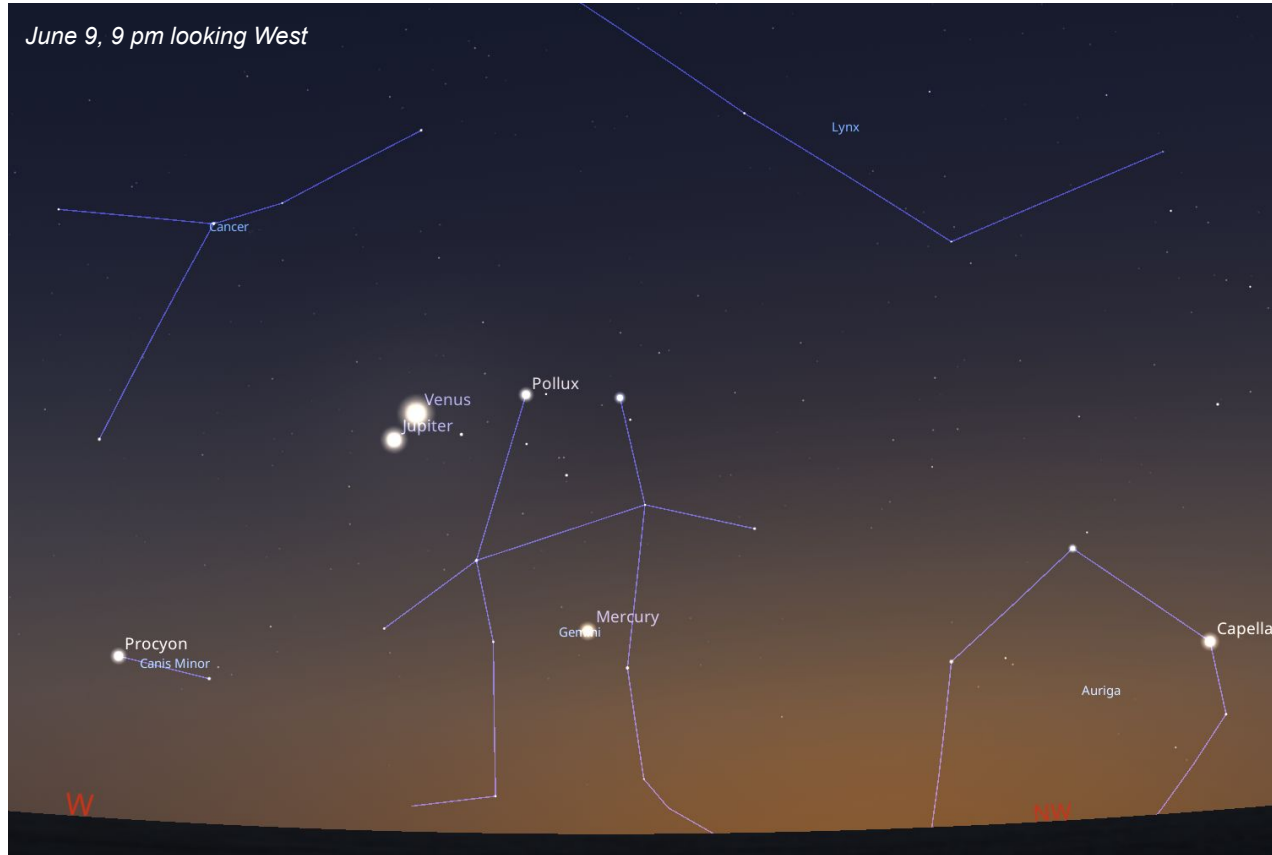
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Evening Planets: Mercury/Venus/Jupiter - (Gemini)

Venus and Jupiter have a conjunction on June 9th shortly after sunset. Mercury reaches its greatest elongation on June 15th. Jupiter drops deeper on the horizon as it moves to next month's conjunction with the Sun.

June 9, 9 pm looking West



June 16, 9:30 pm looking West



Evening Planets: Mercury/Venus/Jupiter - (*Gemini, Cancer*)

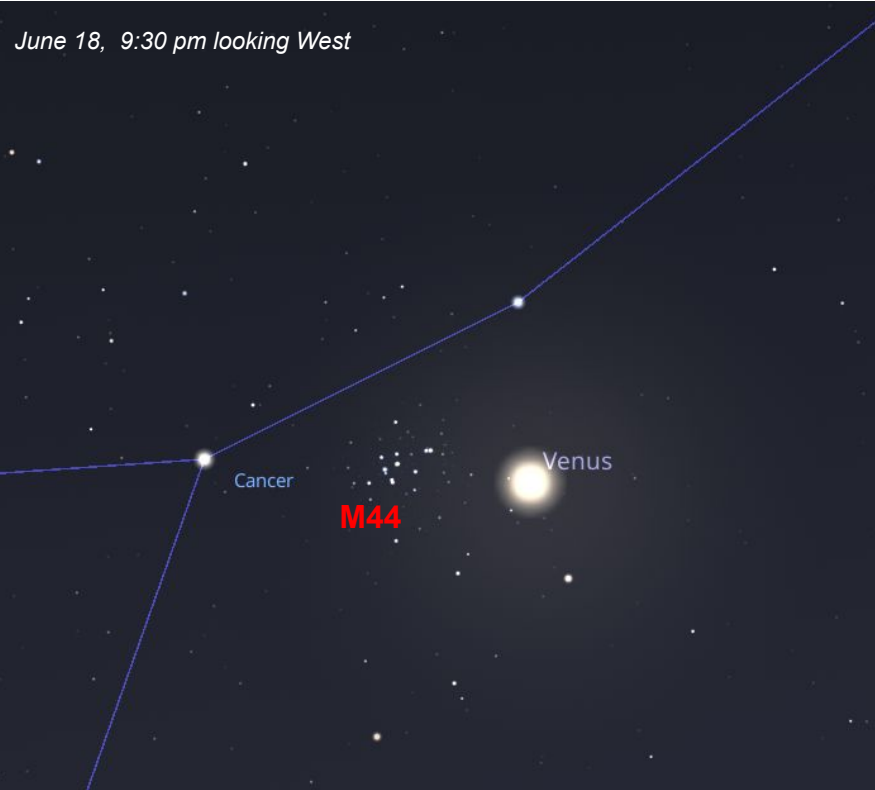
On June 17th, the crescent Moon occults Venus during the day around noon. During June, Venus moves upward from Gemini through Cancer and finishes the month in Leo.



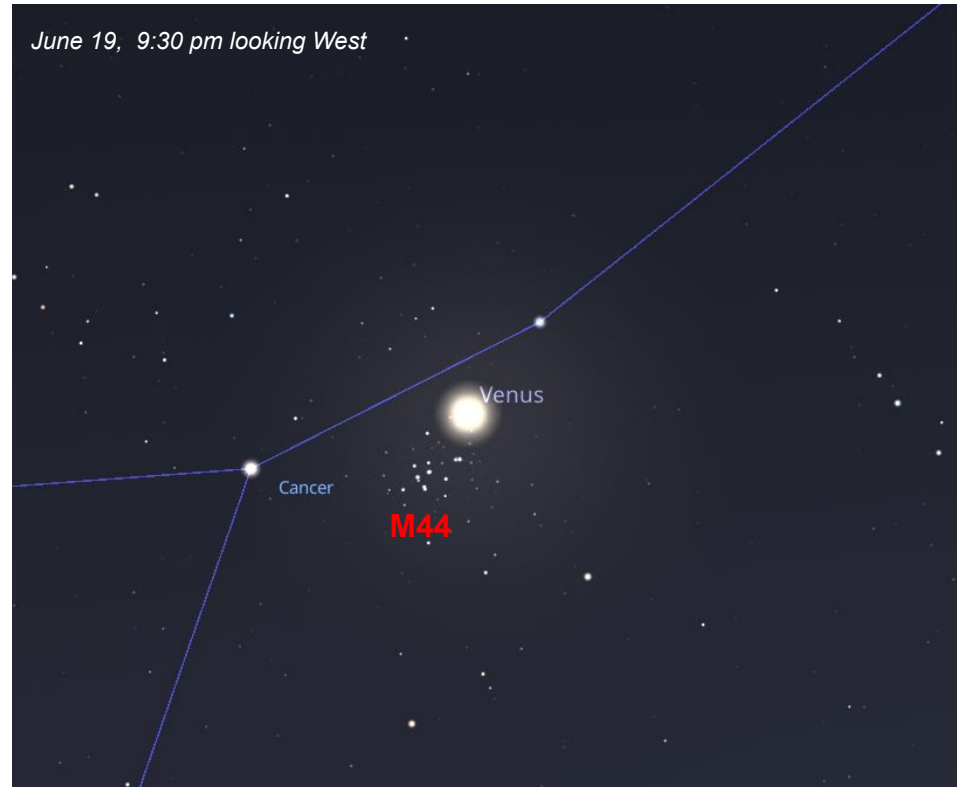
Evening Planets: Venus - (Cancer)

Venus and the Beehive Cluster (M44) have a close encounter on June 18th & 19th.

June 18, 9:30 pm looking West



June 19, 9:30 pm looking West

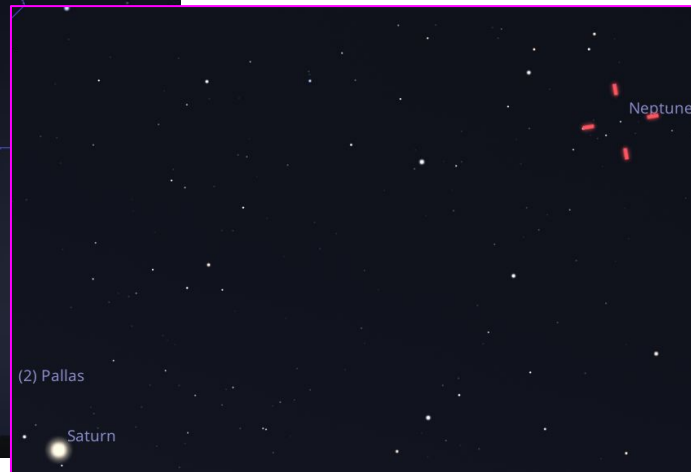


Morning Planets: Mars/Saturn/Neptune - (*Aries, Pisces*)

Crescent Moon appears with Mars, Saturn, and Neptune about an hour before sunrise. Saturn and Mars rise higher in the morning sky during June.

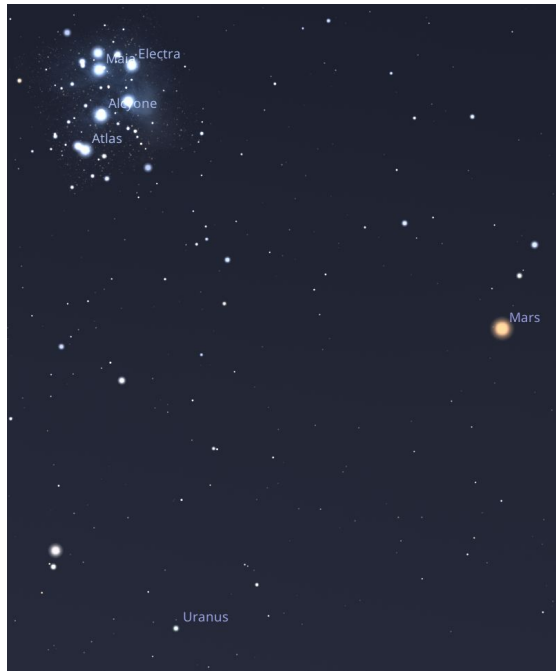
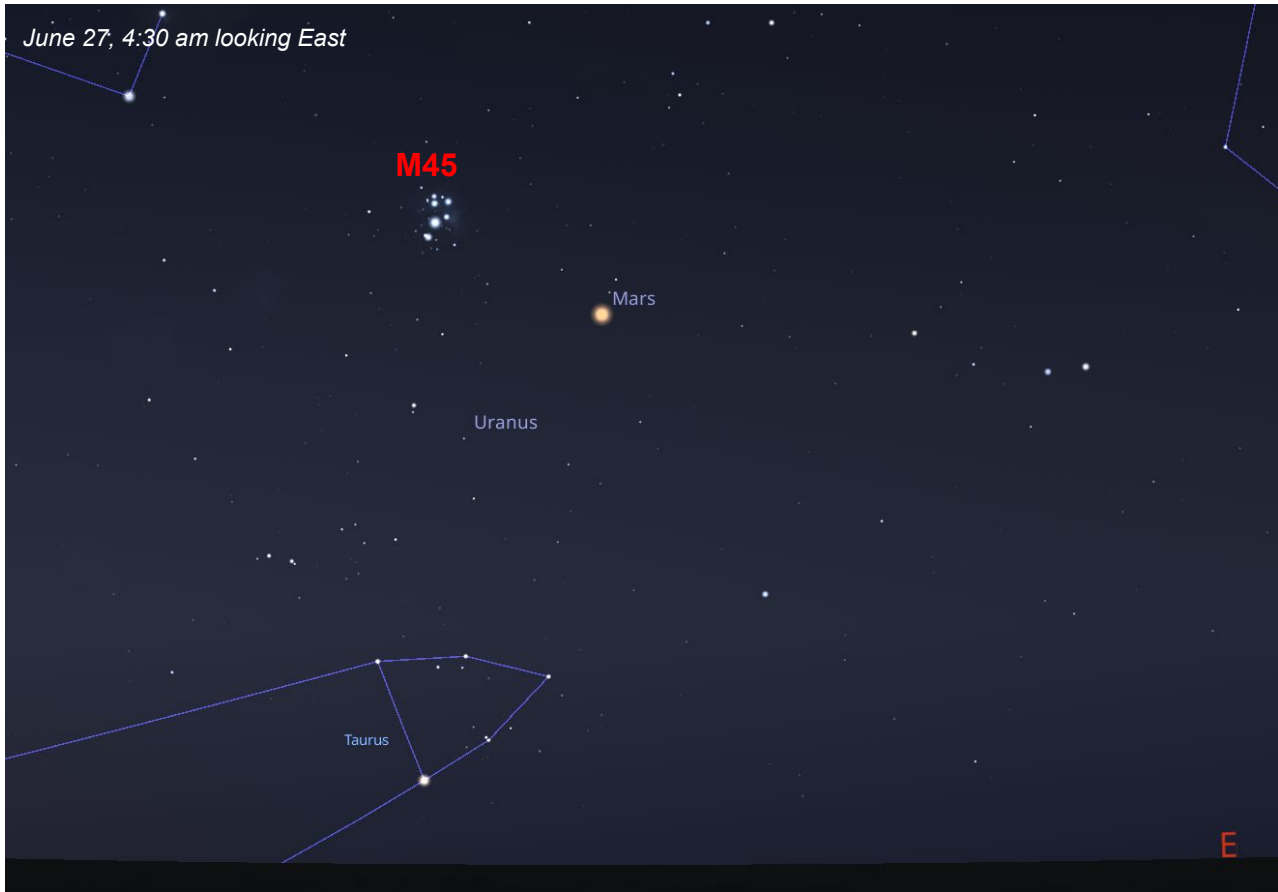


Closeup of Neptune



Morning Planets: Mars/Uranus - (Taurus)

Mars moves from Aries to Taurus by the end of June. Uranus reached conjunction with the Sun last month and isn't visible until the latter half of June.





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Comet - 10P/Tempel

- Predicted to brighten up to magnitude 8 or 9, observable with binoculars or small telescopes in areas without light pollution
- Best observed between midnight and dawn to the SE towards Aquarius and Capricornus
- Discovered by Wilhelm Tempel in 1873 (comet's position not conducive during Messier's timeframe for his observation)

June 1, 4 am looking SE



June 30, 4 am looking SE



Asteroid - 21 Lutetia

- Large M-type asteroid in main asteroid belt, 100 km long along major axis, heavily cratered, high density, metal-rich rock
- Visited by Rosetta space probe in 2011, which revealed it was a primitive remnant of early solar system
- Best observed late evening looking south towards Ophiuchus and Scorpius
- Discovered by Hermann Goldschmidt in 1852 from his apartment balcony in Paris, Lutetia is Latin name for Paris



Rosetta image of 21 Lutetia at closest approach

June 1, 11 pm looking South



June 30, 11 pm looking South





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Dark Sky Viewing 22171 Cody Ct - BVS, June 13

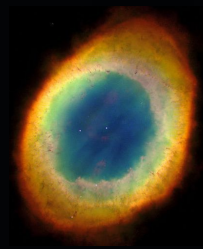
Ps 19:2

1 - M101 (Pinwheel Galaxy)



Face-on spiral galaxy
21MM light years from Earth
Binoculars, small telescope

2 - M57 (Ring Nebula)



Planetary nebula in Lyra constellation
2500 light years from Earth
Best observed with 8" or greater telescope

3 - IC 4592 (Blue Horsehead Nebula)

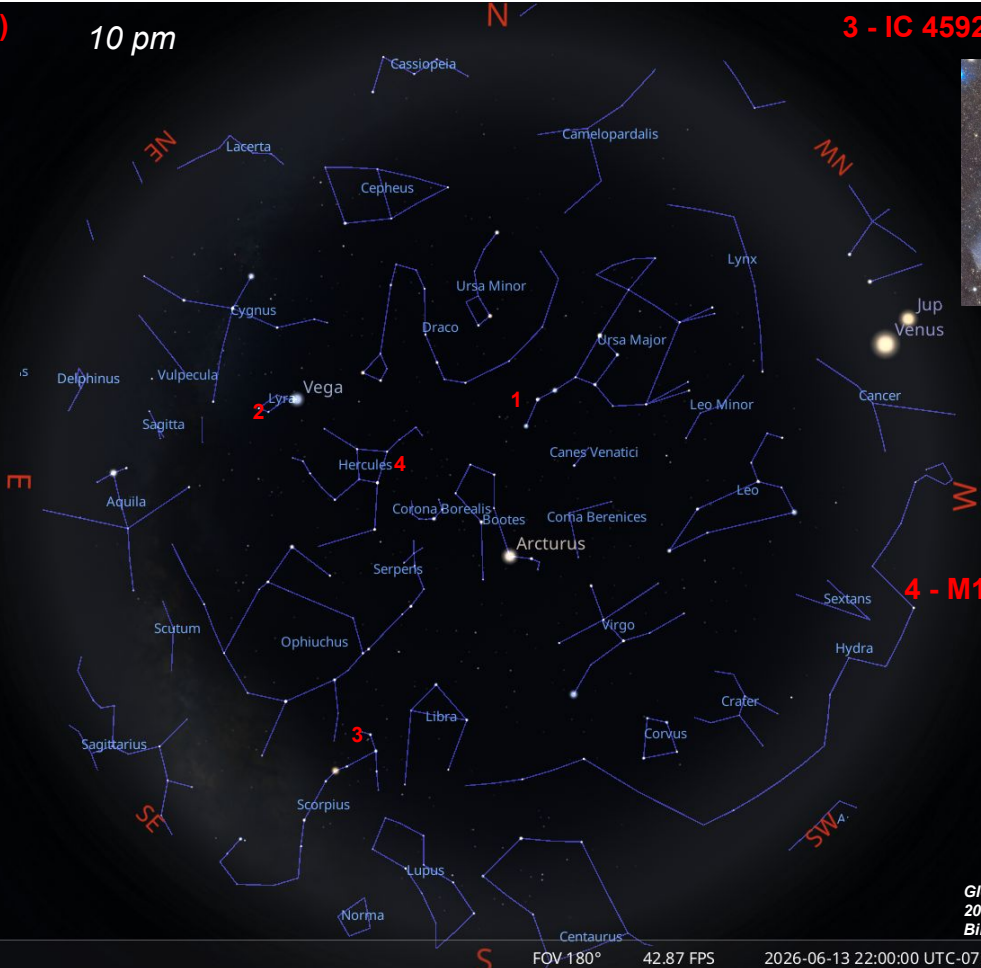


Reflection nebula in Scorpius constellation
400 light years from Earth
small telescopes

4 - M13 (Great Hercules Cluster)



Globular star cluster in Hercules constellation
20 - 25,000 light years from Earth
Binoculars, small telescopes



Public Viewing

Triassic Winery, June 20

Ps 19:2

June asterisms



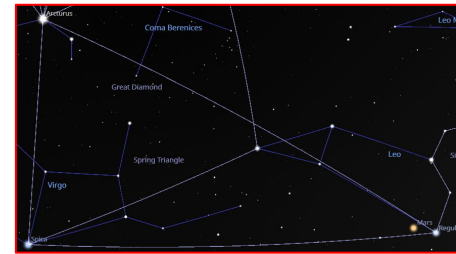
1 - Summer Triangle



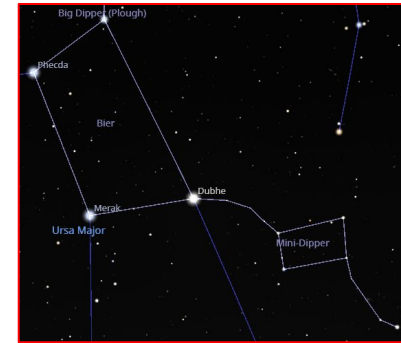
2 - Great Diamond



3 - Spring Triangle



4 - Mini Dipper



June 2026 Viewing Chronology

- 8 - Last Qtr moon
- 9 - Venus/Jupiter/Mercury (*dawn*)
- 12 - moon/Mars/Saturn/Neptune (*evening*)
- 13 - Dark Sky Star Party
- 14 - New moon
- 16 - Venus/Jupiter/Mercury/moon (*evening*)
- 17 - Venus/Jupiter/Mercury/moon (*evening*)
- 18 - Venus/M44 (*evening*)
- 19 - Venus/M44 (*evening*)
- 20 - Triassic Winery public viewing
- 21 - 1st Qtr moon
- 27 - Mars/Uranus/M44 (*dawn*)
- 29 - Full moon
- Comet 10P/Tempel - all month (*dawn*)
- Asteroid 21 Lutetia - all month (*evening*)

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