

August Activity - 2022

- Moon Shots - First qtr, Aug 5; Full Moon, Aug 11; Last qtr, Aug 19; New moon, Aug 27
 - final Supermoon for 2022
- Planetary views:
 - Evening sky - Mercury, Jupiter, Saturn
 - Morning - Venus, Mars, Uranus
 - Moon & Mars convergence - August 19
- Perseid meteor shower
 - peak - August 12
- Comet search: C/2017 K2
- Constellations:
 - featured DSOs in Scutum, Sagitta
- How are the “dog days of August” rooted in astronomy?

Moon Shots - August 11, Super Moon

Next Super Moon July 2023

Sturgeon Moon



10:15 pm



Moon Shots

Planet Views - Mercury, August 14

hugs western horizon all month

8:15 pm



Mercury

W

N

Planet Views - Mars & Uranus, August 2

Uranus visible with binoculars, looking ESE



5:15 am

Uranus
Mars

Pleiades

Taurus

Aldebaran

Cetus

Earth, Bear Valley Springs, 1366 m

FOV 27.2°

44.5 FPS

2022-08-02 05:15:11 UTC-07:00

Planet Views - Jupiter & Saturn, August 14

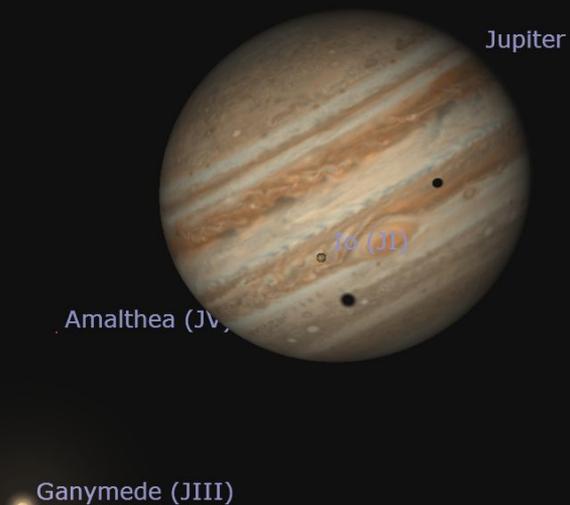
Q: how many confirmed/named moons does Saturn have?



Planet Views - Jupiter closeup, August 15

*Ganymede & Io dual transits;
view low in eastern sky*

10 - 10:30pm



Planet Views - Venus closeup, August 17

M44 visible with binoculars

5:15 am

Venus

Procyon

M44 Beehive Cluster

Messier 44 / Beehive Cluster



Planet Views - Moon & Mars convergence, August 19



5:15 am

Moon
Mars

Auriga

Elnath

Taurus

Aldebaran

Cetus

Gemini

Pollux

Bellatrix

Betelgeuse

Alnilam

Rigel

Eridanus

Fornax

Canis Minor

Procyon

Monoceros

Lepus

Sirius

Caelum

Canis Major

Columba

E

S

Meteor Watch - Perseid Meteor Shower, August 12

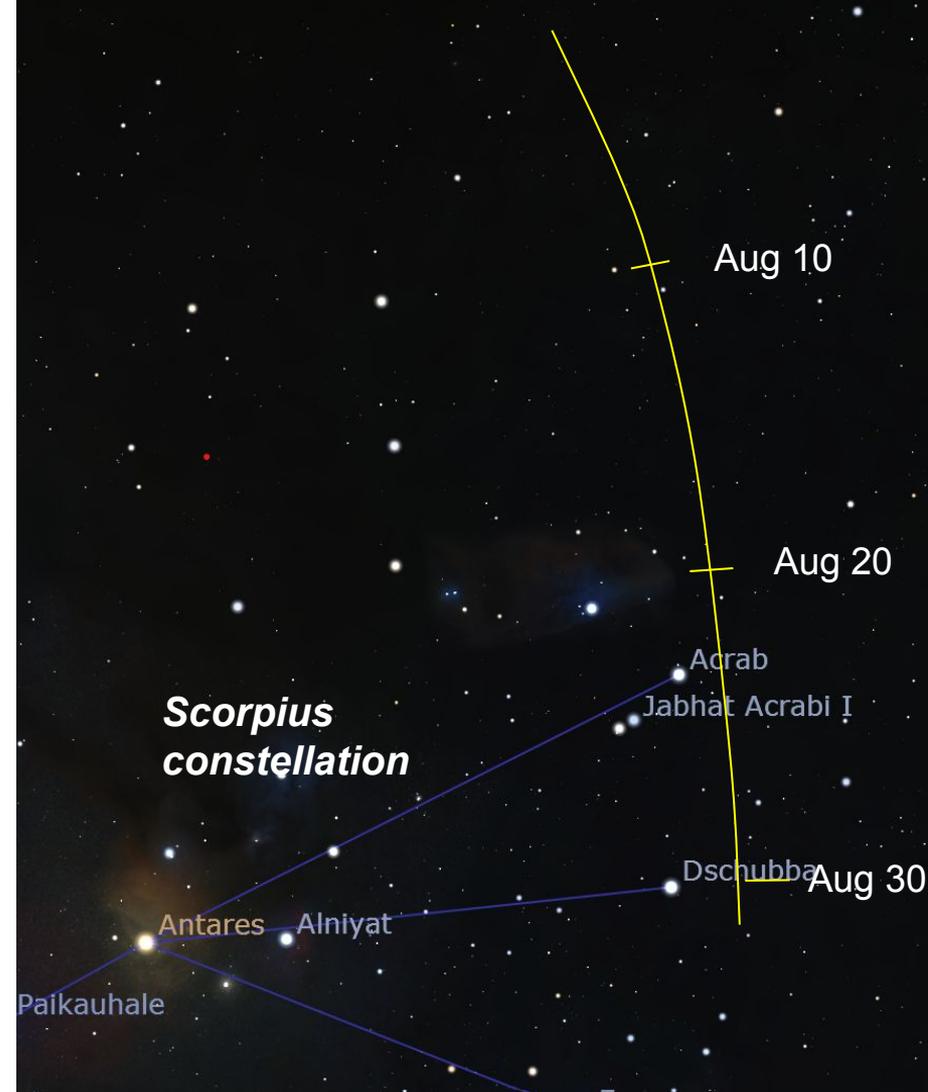
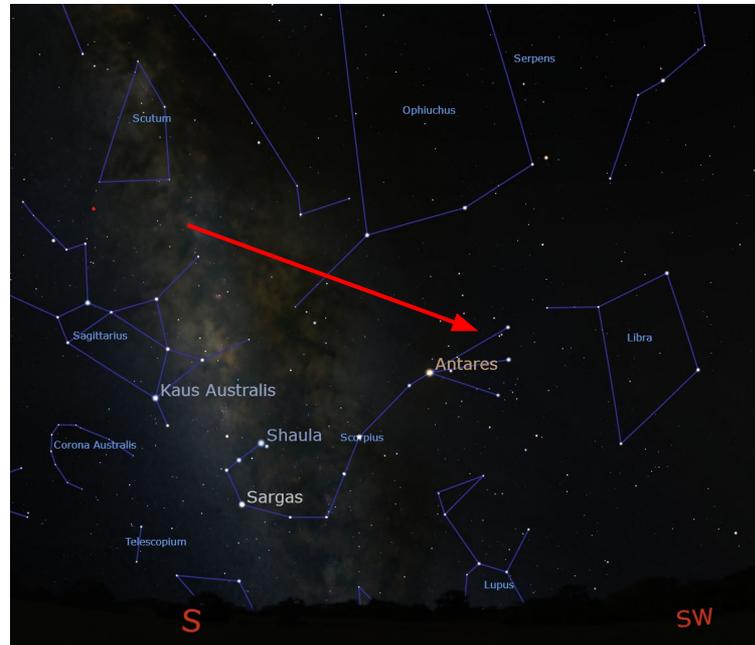
Most favorable time to view is the few days before the Aug 12 peak due to interference from moonlight;
maximum rate - 100 meteors/hour; Az - 60 degrees



Comet Search

C/2017 K2 (PanSTARRS)

- Nucleus 25 miles diameter
- 4x wider than Halley's Comet
- 4-6" telescope
- Good visibility through Scorpion's face late in August



August constellations

Aug 15 - 10 pm

Deep Sky Objects

Scutum

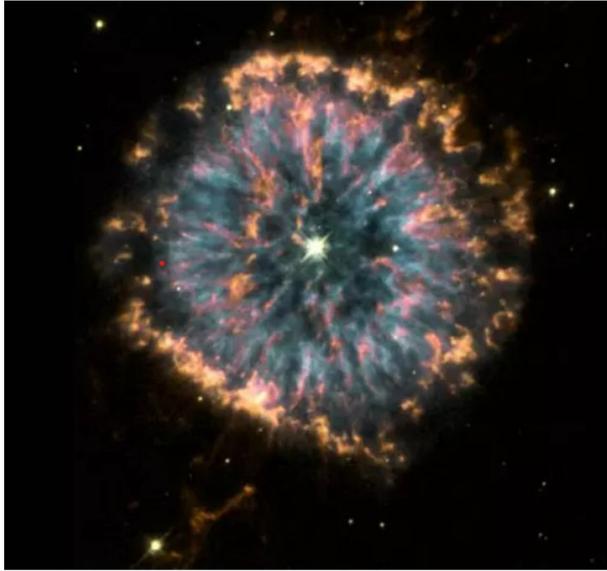
- NGC “Glowing Eye Nebula”
- M11 “Wild Duck Cluster”

Sagitta

- “Necklace Nebula”

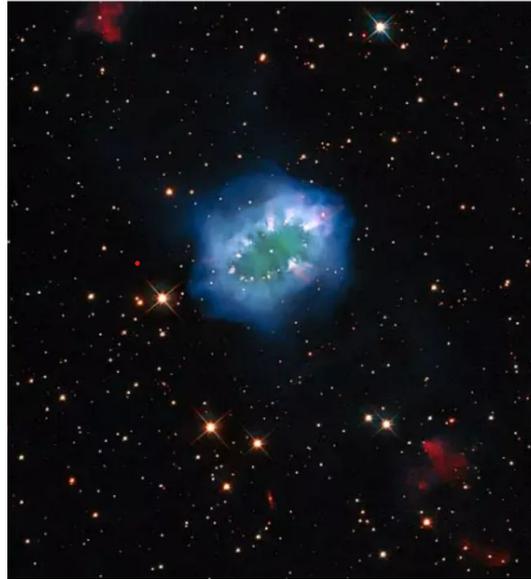


NGC “Glowing Eye Nebula”



The Glowing Eye Nebula (NGC 6751), image: NASA, The Hubble Heritage Team

“Necklace Nebula”



M11 “Wild Duck Cluster”

