

Best Astronomy Events of 2027

Don't miss these skywatching highlights

METEOR SHOWERS

BRIGHT STREAKS • DARK SKIES • WISH AWAY



Jan 3-4 • Quadrantids

Up to 40 meteors/hr
Best after midnight •
Dark skies this year



May 6-7 • Eta Aquarids

Up to 60 meteors/hr
Excellent year •
Very dark skies



Aug 12-13 • Perseids

Up to 60 meteors/hr
One of the year's
brightest showers



Dec 13-14 • Geminids

Up to 120 meteors/hr
The king of the
meteor showers

ECLIPSES

RARE SIGHTS • REMARKABLE PLACES • A SHADOW ACROSS OUR WORLD



Feb 6 • Annular Solar Eclipse

Ring of fire eclipse

Best visibility: southern Pacific,
Chile, Argentina

Partial eclipse visible across much
of South America and parts of
western Africa.



Aug 2 • Total Solar Eclipse

Moon fully covers the Sun

Path crosses Morocco, Spain,
Algeria, Libya, Egypt, Saudi Arabia,
Yemen, and Somalia.

PLANET HIGHLIGHTS

BRIGHT WORLDS • CLOSE ENCOUNTERS • A LOOK AT OUR NEIGHBORS



Feb 10 • Jupiter at Opposition

Brightest of the year • Visible all night
Binoculars can show its 4 largest
moons.



Feb 19 • Mars at Opposition

Closest and brightest of the year
Great time to view surface detail.



Oct 18 • Saturn at Opposition

Best ring views of the year
Visible all night

BONUS MOON HIGHLIGHTS

BRIGHTER NIGHTS • BIGGER VIEWS



Jan 22 • Supermoon



Feb 20 • Supermoon

All dates shown in UTC. Local date/time and visibility vary by location.

Central Coast Astronomical Society

Explore the Night Sky • Meet Astronomers • Join the Adventure • CentralCoastAstronomy.org

CCAS

Your 2027 Stargazing Bucket List

How many wonders of the universe can you discover this year?



See Saturn's rings through a telescope

One of the most beautiful sights in the night sky.



Spot Jupiter's four largest moons

Watch them change positions from night to night.



Find craters along the Moon's shadow line

Look during a crescent or half Moon for the most dramatic views.



See a shooting star

Observe one of 2027's meteor showers such as the Quadrantids, Eta Aquarids, Perseids, or Geminids.



Find the Big Dipper and North Star

Learn to navigate the night sky.



Look at a distant galaxy

Try the Andromeda Galaxy or another deep-sky object through binoculars or a telescope.



Find a colorful double star

Look for Albireo in Cygnus, a beautiful gold and blue pair.



See the Milky Way from a dark location

Step away from city lights and enjoy our galaxy stretching across the sky.



Attend a CCAS stargazing night

Look through a variety of telescopes and meet fellow astronomy enthusiasts.



Bring a friend to an astronomy event

Share the wonder of the night sky with family and friends.

No Telescope? No Problem!

Many amazing sights can be enjoyed with just your eyes, including:

- ★ The Moon and its changing phases
- ★ Bright planets
- ★ Meteor showers
- ★ Constellations
- ★ The Milky Way (from a dark location)

What is a Planet at Opposition?

Opposition happens when Earth passes between the Sun and an outer planet. The planet is then at its closest approach to Earth and fully illuminated by sunlight, making it brighter and easier to see in the night sky.



Tips for a Great Stargazing Experience



Find a dark location away from city lights.



Give your eyes 15 to 20 minutes to adjust to the dark.



Use a red flashlight and avoid bright lights and phone screens.



Check the weather and bring warm clothes, even in summer.



Bring a chair, blanket, and snacks.



Ask questions and chat with our friendly CCAS volunteers. We love to share the night sky!

Explore the Night Sky With Us!

Join the Central Coast Astronomical Society for stargazing opportunities, telescope viewing, fascinating astronomy presentations, hands-on workshops, and community events. Beginners are always welcome!



Visit our website for upcoming events and to learn more!



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ASTRONOMICAL SOCIETY

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