

Science Café
Tuesday 28th March 2023
Time: 20:00 (UT+3)



[#GAM2023](#)

[#eclipse](#)

[#GlobalConnections](#)

- * April 1, GAM Kick-off event - FB Live/YouTube Live
- * April 2, 9, 16, 23, 30, SunDay
- * April 10, 11, 12, Observing Event: Venus - Pleiades Cluster
- * April 12-21, Globe at Night
- * April 20, Observing Event: Hybrid Solar Eclipse
- * April 17 - May 12, Int'l Asteroid Search Campaign



Global Astronomy Month 2023

THEMES:
Global Connections
Accessibility
Inclusion
Ethno-Culture

- * April 21-22, Global Dark-Sky/Meteor Shower Party
- * April 22, Observing Event: Lyrid Meteor Shower Peaks
- * April 28-29, Global Star Party

Virtual Telescope Project Sky Tour
Astronomical League Weekly Observing Challenges

[#GAM2023](https://twitter.com/GAM2023)

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**Global
Astronomy
Month**



GAM – kick-off event FB live / YouTube Live

Url: <http://www.facebook.com/astronomerswithoutborders/>

When: Apr 1, 2023 from 14:00 to 15:00 (UTC)

Come and join timeanddate.com's Eclipse broadcast duo, Graham Jones and Anne Buckle in a lively chat about what it's like to broadcast live. Veteran broadcaster Matt Woods will be joining them from the Perth Observatory to share stories about how to best live stream an astronomy event.

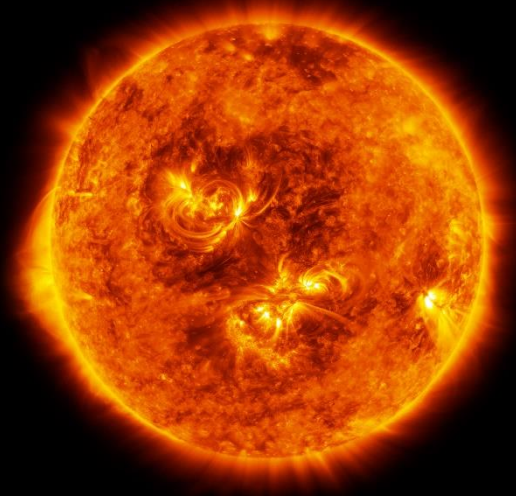
Take part in this talk to make your broadcasts their best or contribute your tips and tricks and a story or two about your experiences!

April 1



SunDay (s)

Join us in celebrating the sun and exploring the largest celestial object in our solar system! We invite you to participate in safe solar observing events, where you can witness the incredible beauty of our closest star up close. Learn about the science behind the sun, and discover fascinating details about its beauty . When observing the sun remember to use special equipment for safe observing, so you can enjoy the sun without any risk to your eyesight. Don't miss this chance to connect with nature and expand your knowledge of the universe.



April 2, 9, 16, 23, 30



Venus - Pleiades Cluster Conjunction

Starts: Apr 10, 2023 12:00 (UTC-11)

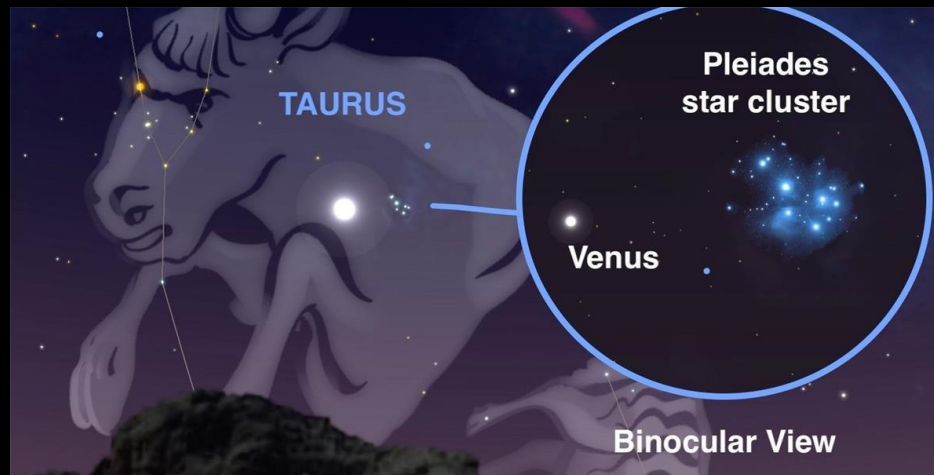
Ends: Apr 13, 2023 00:00 (UTC-11)

An hour after sunset planet Venus and the Pleiades star cluster posing together separated by just over 2 degrees - equal to the width of four moon disks.

Venus will be easy to see with the naked eyes as a brilliant star-like object high in the southwestern evening sky.

Use binoculars to reveal the tight grouping of nearly a dozen stars near the planet.

It's amazing to think that while Venus lies only 9.3 light minutes away, the Pleiades sits 444 light years from Earth.



April 10, 11, 12



Globe at Night

Starts: Apr 12, 2023 09:00 (ET) Ends: Apr 21, 2023 17:00 (ET)



Globe at Night 2023

WWW.GLOBEATNIGHT.ORG

Get Out and Observe the Night Sky!

Engage people worldwide in observing the nighttime sky.

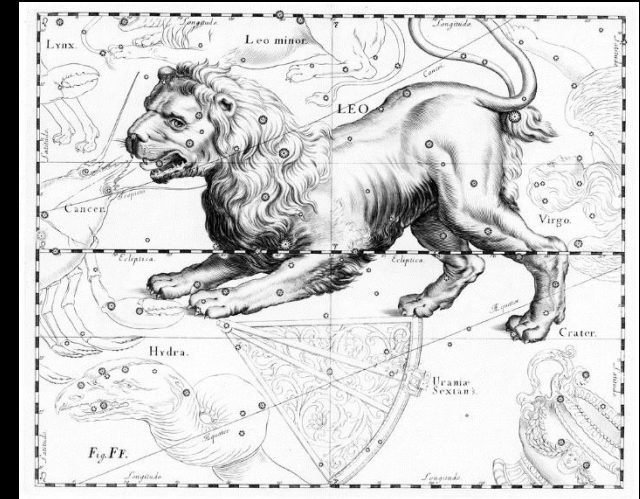
Encourage students and families to participate in citizen-science with a hands-on learning activity.

Gather light pollution data from an international perspective to monitor sky brightness and its effects.

Can you see the stars?

January 13 – 22	July 8 – 17
February 12 – 21	August 7 – 16
March 13 – 22	September 5 – 14
April 12 – 21	October 4 – 13
May 11 – 20	November 3 – 12
June 9 – 18	December 3 – 12

Logos: NST, NOIR Lab, IDA, INTERNATIONAL DARK SKY ASSOCIATION, AURA



The Constellation: Leo

Mythology

Can you find Leo?

<https://www.globeatnight.org/campaigns/>
<https://app.globeatnight.org/>

April 12 - 21



Livestream: Hybrid Solar Eclipse from Australia

When: Apr 20, 2023 from 01:34 to 06:59 (UTC)

A hybrid solar eclipse occurs when the Moon passes between the Sun and the Earth, casting a shadow on the Earth's surface.

"hybrid"- starts out as an annular eclipse - where Moon is too far from the Earth to completely cover the Sun, creating a "ring of fire" effect
- then transitions into a total eclipse, where the Moon fully covers the Sun, creating a stunning display of the Sun's corona.

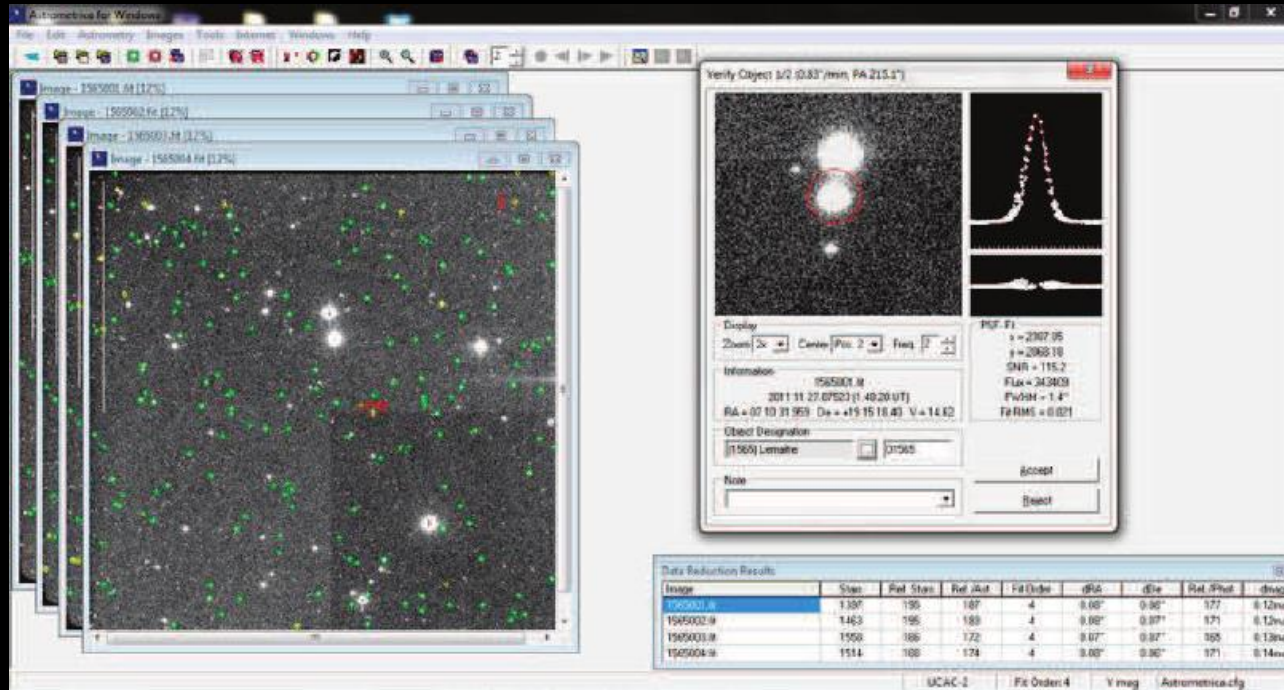


April 20



Asteroid Search

Starts: April 17, 2023 9:00 AM (UTC-11) Ends: May 12, 2023 5:00 PM (UTC-11)



- Telescopes (Pan-STARRS)
- 20 unique sets of images
- Analysis with special software.
- measure the time and position of asteroids moving in the background
- Report

April 17 – May 21



Global Dark-Sky Lyrid Meteor Shower Party

When: Apr 22, 2023 from 19:00 to 22:00 (UTC)

- Livestream
- Comet Thatcher.
- Peak is expected to occur on a Saturday
- Up to 20 meteors per hour

April 22



Global
Astronomy
Month



Global Star Party

- Whether you own a telescope, binoculars or are just using your eyes, the Global Star Party events are simple celebrations of "*looking up*"!
- These are All Hands on Deck call-outs when our 500+ affiliates along with our 42+ National Coordinators connect with their communities and celebrate with the world. It happens all on one day.
- Our highly knowledgeable and eager members reach out, teach, and share their knowledge.

April 28 - 29



Talk: Describing Your Universe

When: Apr 27, 2023 from 16:00 to 17:00 (UTC)

Speaker: Kimberly Kowal Arcand, PhD (she/her)
Visualization Scientist & Emerging Tech Lead
NASA's Chandra X-ray Observatory
Center for Astrophysics | Harvard & Smithsonian



- create a more accessible and inclusive experience of NASA space imagery
 - unique approach developed to describe the nature and complexity of NASA visualizations for people who are blind or low vision: extended visual descriptions.
-
- discuss what visual descriptions are and how they are currently being used for representing data from NASA's Chandra X-ray Observatory.
 - We will explore how to integrate verbal explanations of the scientific phenomena along with descriptions of what the visual viewer was seeing in the presented imagery to create a more accessible, cohesive package.

April 27





All Events

<https://my.astronomerswithoutborders.org/events/calendar>

www.astronomycyprus.eu

Cyprus's Events

<https://www.astronomycyprus.eu/projects/international-projects/global-astronomy-month.html>



TUE 25 APRIL 2023
20:00-21:00 (UT+3:00)



ONLINE SCIENCE CAFÉ

Deep Sky image processing.
From stacking to final result

Guest speaker:
Artem Mirgorod (Ukraine)

Zoom Meeting ID: 831 2336 2644
Passcode: kition

