

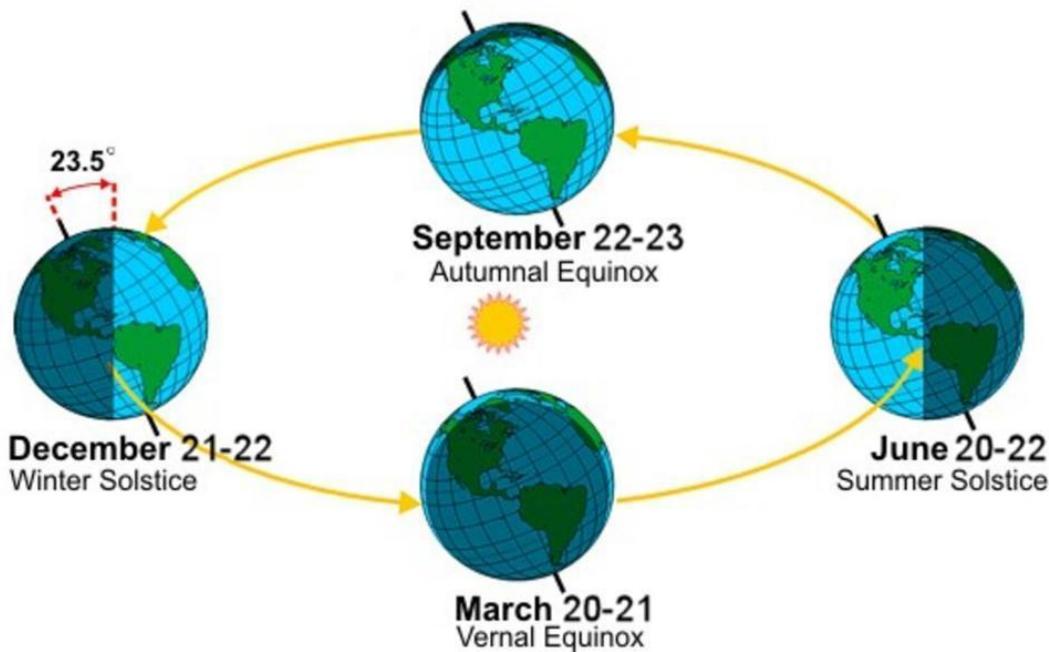


The Astrophile Newsletter

One Fond of Starlore: An Amateur Astronomer

Insta: [@astrophile_edu](#); Facebook: [@astrophileeducation](#) Twitter: [@astrophileedu](#)

Autumn Equinox on September 23, 2021



Ideal day for measuring circumference of Earth as Eratosthenes

The Autumnal Equinox of 2021 will fall on September 23, 2021 at 12:50 AM IST. The Sun at this instant will be exactly over the equator and will then proceed into Southern Hemisphere. This day also marks the end of Summer Season in Northern Hemisphere and beginning of Summers in the Southern Hemisphere.

The annual journey of Sun from North to South and back to North crossing the Earth's equator twice is because of the tilt of the Earth. Due to the 23.5 degree tilt of the Earth's axis, imaginary lines like Tropic of Cancer and Tropic of Capricorn are formed which outlines the maximum and minimum position of Sun at different times in the year. Also on this day, both the poles - North and South will be illuminated. Details will be shared soon over email.

Moon phases and dates

Important phases and dates for Moon to plan your observation

07/09/21	New Moon	06:21	
14/09/21	First Quarter	02:09	
21/09/21	Full Moon	05:24	Harvest Moon
29/09/21	Third Quarter	07:27	



Mercury

Mercury is in the morning skies, rising with the Sun. It is not advised to look at Mercury due to its proximity to Sun.



Venus

Venus is shining bright in the evening skies, and setting a little after Sunset. It will be visible for a few weeks in the evening skies.



Mars

The red planet is diminished due to its proximity to the Sun in the sky. It is setting with the Sun these days and not advised to be looked upon.



Jupiter

Jupiter is rising early in the evening and shining bright in the night sky offering a great views of the planet system to the observers.



Saturn

The ringed planet is rising early in the evening and shining bright in the night sky offering a great views of the planet system to the observers.

Equinox Astronomy School scheduled for 20-24 Sept.



ASI Equinox Astronomy School

September 20-24, 2021
04:00 PM - 05:30 PM

Learn astronomy from experienced educators
5 Classes, 90 minutes each Monday to Friday

For more details, queries and interest, reach us
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Astrophile Education Services is excited to announce the start of another edition of online astronomy workshop series “Equinox Astronomy School” to be conducted on the occasion of Autumnal Equinox. The 5 day camp will be conducted during the after school hours from Monday to Friday covering a wide range of topics with overall understanding of the sky and related topics. The topics and content has been designed keeping “Middle School Students” (grade 5-8) but can be shared with students around these classes. A Certificate of Participation will be sent to all the students who attend the workshop.

Read details here: <https://astro-phile.com/astrophile-equinox-astronomy-school/>

Registrations for Khagol Darpan started Sept. 05th



ASI KHAGOL DARPAN 2021
An Online Platform For All Serving Astronomy

PROFESSIONAL • AMATEUR • STUDENT • ENTHUSIAST • CORPORATE

OCTOBER 04 - 06, 2021 10:00 AM - 09:00 PM*
Free Registration

Learn about the International Collaborations

Learn about the upcoming Scientific Projects

Learn about the future opportunities for students & Amateurs

Participate in ZOOM Discussions or watch it live on YouTube

To know more, visit and follow us here: khagoldarpan.astro-phile.com • khagoldarpan@gmail.com • +91-9315191335

Key highlights of the Event

- India specific and India centric event.
- A common platform for Amateurs, Professionals and Enthusiasts
- Learn from Industry Experts about the latest developments.
- Explore opportunities for better growth and learning.
- Find collaboration opportunities and partners.
- Follow-up activities around the year for sustainable projects.
- Make a road-map for career in Astronomy & Space Sciences

Astrophile Education is proud to announce the final dates for 1st National conference “Khagol Darpan 2021” where the students and experts along with amateurs from around the country.

The program will focus on the future of astronomy and space sciences in India and the projects and opportunities for the young students.

The registration for schools and students is free and has already begun. While students can register themselves, schools when register can get special access to the speakers and talks along with their students. Last date for registration is September 29th 2021. For more details visit <http://khagoldarpan.astro-phile.com/>

CITIZEN SCIENCE PROJECT FOR PRESERVING NIGHT SKIES

Astrophile Education is committed to create environment for everyone to be involved in science and the best way forward to via citizen science projects. The students and the grown ups are all facing a severe challenge to view the stars from their cities due to increasing light pollution.

The development of the city, with more flyovers and commercial complexes, wider roads, and growing cities has caused major light pollution. With air pollution also increasing, the light pollution will become severe and hence we need to quantify.

The project will encourage students and grown ups to participate by evaluating our skies through a systematic manner. The data collected will be evaluated for quantification of light pollution in the city. This will help us understand the amount of light pollution and then in future how the changes have been taking place. If you have an idea to reduce the light pollution, we would like to incorporate in our studies of the sky and hence we would like to reach out to the government for implementation of the ideas.

This is not a short term project and requires commitment and dedication from the observers and contributors. The data needs to be collected on a regular basis and also should be accurate in terms of the sky conditions. This will enable us to fight the problem together and win our skies back. Visit the link: <https://astro-phile.com/citizen-science/> for more details.

