



The Astrophile Newsletter

One Fond of Starlore: An Amateur Astronomer

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

Astrophile Asteroid hunting from Sep 11



Students can search for new asteroids in the upcoming camp.

Students of grade 9 onwards registered with any Indian school now get an opportunity to join us in a 4 week long asteroids hunting project organized by Astrophile Education and IASC. The project will start from September 11 and registration will start from August 5. A detailed email about the same will be shared with the students, teachers and institutions like we have done in the past.

The project will allow students to work on real-time scientific data to assess and identify the previously unknown asteroids in the solar system. The students will get training online where they can join us Zoom to learn.

For more details, read here: <https://astro-phile.com/2020/07/16/students-to-hunt-asteroids-from-september-11/>

Moon phases and dates

Important phases and dates for Moon to plan your observation

11/08/20	Third Quarter	22:14
19/08/20	New Moon	08:11
25/08/20	First Quarter	23:27
02/09/20	Full Moon	10:52



Mars

The red planet is shining bright in the late night skies, rising before midnight, the planet is showing great features these days with the clear skies and lack of sand storm on Mars.



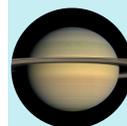
Venus

The sister planet is now visible in the morning skies and can be seen early in the morning just before the sunrise. The planet will have maximum eastern elongation this month..



Jupiter

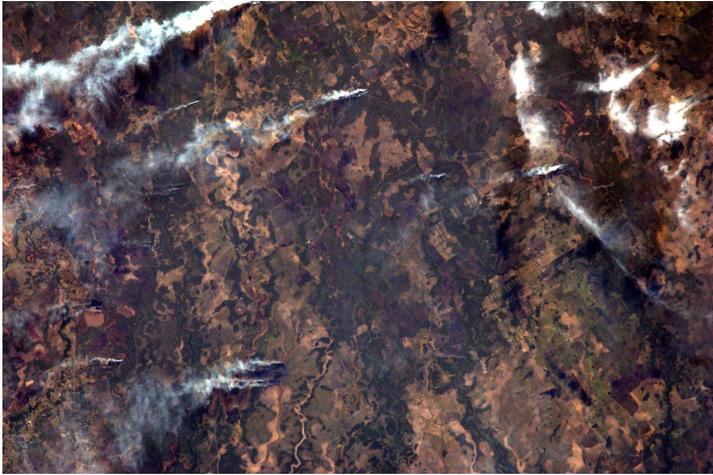
Jupiter is now rising just before sunset and will be visible all night long, The planet is shining bright in the evening skies and giving photographers and observers a chance to explore.



Saturn

The ringed planet will be shining bright all night long The planet is shining bright in the evening skies and giving photographers and observers a chance to explore.

ISS EarthKAM attendees got amazing Earth images



The ISS EarthKAM, a project started by NASA for middle school students and participation from over 130 countries with over 70 million students was conducted with 8 different school and over 100 requests.

The project allowed students to capture amazing pictures of Earth in great details by commanding the camera on-board the ISS. The students then received the images for future analysis of the place. The next such project is expected in the last week of September.

The participation to this project helped students understand the concepts of geographical features better by analysing real and latest images of Earth rather than old images in the text book. Contact us for more details about the future missions.

Perseid meteors to light up the sky on August 11-12



This August marks the beginning of the meteor shower season with bright and popular Persied meteor showers scheduled for August 11-12. With waning half moon, rising after midnight, the fainter meteors will wash away due to bright moonlight but then also the meteor shower is expected to be spectacular.

The presides are named after the constellation Perseus from where they origin. Debris of comet Swift-Tuttle causes this spectacular celestial show where one can watch 70-100 meteors per hour from a dark sky however 10-15 such meteors shall be visible from cities. To enjoy the shower, go out a couple of hours before sunrise and look due East to see the comet debris burning in Earth's atmosphere.

ASTRONOMY LECTURE SERIES WITH ASTROPHILE EDUCATION

Astrophile Education is committed to promote the knowledge and learning of astronomy even during these tough times of COVID-19 pandemic. The effort is being made to bring together some of the brightest minds in the country on our youtube platform so that we can educate our kids while staying home and be safe.

We will be resuming our online educational lecture series soon with more interesting topics and global renowned presenters. We are also in the process of making our classes online and choose a wider range of topics to educate the students.

Astrophile will also launch investigative project training online using our youtube channel where the students can watch the video and get trained to participate in the projects. The registration details for the same will be shared from time to time and a small registration fee depending upon the project will be charged from the students. The school can participate or forward the information to students so that they can participate directly in these programs. Some programs will have certificates to be distributed after successful completion.

We also make an effort and put up more educational content so that the students can benefit from the same as and when available. Your suggestions on topic of interest are welcome and appreciated. Our channel link is: www.youtube.com/AstrophileEducation.