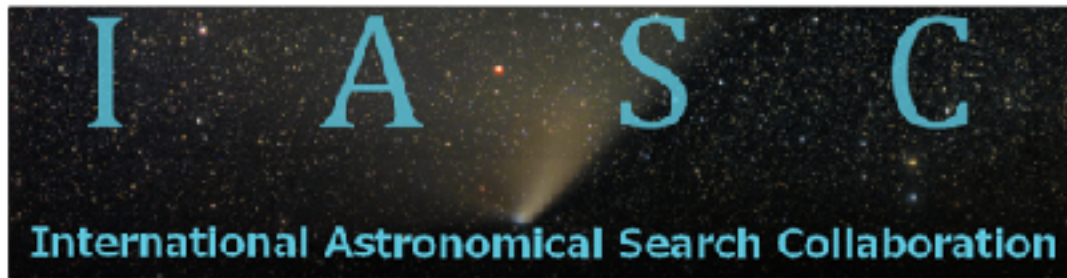




The Astrophile Newsletter

One Fond of Starlore: An Amateur Astronomer

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22 Asteroids discovered by Astrophile students from 3 different teams

Group worked on over 20 data sets and discovered 22 previously unknown asteroids during the 4 week campaign

The second Astrophile - International Asteroid Search Campaign started on December 28th with 30 teams participating in the campaign. Two of our schools, one from Delhi - NCR and one from Bengaluru had participated in this international campaign. Pathways School, Noida introduced 2 teams which discovered 14 asteroids in total. Cathedral High School, Bengaluru participated in this program as well and the team discovered 8 asteroids taking the tally to 22 in this campaign and 48 including the previous campaign.

Teams from all over the world participate in this campaign and this one had teams from Iran, Bolivia, Romania, Nepal, USA and many more countries including India. The program is aimed at giving first hand experience in the field of astronomical research. The students undergo a 4 hour training module inside the school where they understand the importance of this program and possible outcome. They are made aware of what steps and process during the training. They undergo training on the specialised software which is used for data analysis and image analysis. The students practice on the sample image sets and enjoy the freedom of working from anywhere in the world. Be it a coffee shop or home or on a holiday. It only takes about 8 hours per week to do the analysis. They are certified for making discovery which helps them in higher education in the field of science and research.

Moon phases and dates

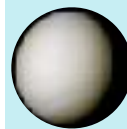
Important phases and dates for Moon to plan your observation

05/02/19	New Moon	02:33
13/02/19	First Quarter	03:56
19/02/19	Half Moon	21:23
26/02/19	Third Quarter	16:57



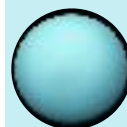
Mars

The red planet is still shining bright in the night sky. Setting just before midnight, the red planet has a lot of great features to reveal to the observers. It is currently the only planet in the sky in evening.



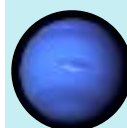
Venus

The brightest planet is now shining bright in the morning skies rising after 2 AM. Currently it is showing a crescent phase and soon will become half phase.



Uranus

The Planet Uranus is the second farthest planet but currently very well placed to be seen. The planet is visible all evening until sets just after midnight. Evenings are ideal for spotting it.



Neptune

The farthest planet of the Solar System is available in the evening skies for us to explore. Shining faint, but can be observed from a dark sky till the midnight when it sets.

Meteorite impact captured during Lunar Eclipse



On the morning of January 22 (India time) the western world was enjoying a beautiful Total Lunar Eclipse when suddenly they spotted a meteor crashing onto the surface of Moon.

It is not a very rare thing to happen but observing one and more importantly shooting an image of the same is very rare considering how bright the Moon is. It is nearly impossible to spot these incidents on an ordinary full Moon night.

Due to lack of atmosphere on Moon, these space rocks crash straight on to the surface of the Moon. On Earth due to the atmosphere, these tiny grain size objects burn and evaporate even before reaching the surface. We occasionally see them and call them shooting stars.

Khagol Chayachitran continue in February



The anniversary celebration Astrophotography competition will continue for entire February and students can submit their pictures and participate in this competition. The competition will bring students closer to the starry skies and will also bring an opportunity to use technology and its advancement in the field of art and science.

The results will be announced on March 30th and an exhibition of selected images will be put up in different cities. Winners will get exciting prizes as well. For more details about the rules and regulations, you can visit <https://astro-phile.com/khagol-chayachitran-astrophotography-competition/>.

LEARN SCIENCE AND MANAGEMENT SKILLS THIS SUMMER

The skills are the key to success and the earlier you grasp them, the better you are placed. Acquiring skills is important for any job. Skills are the most important aspect of securing a good job and distinguish between eligible and suitable candidates. In this regard, **Astrophile** is offering two international programs in the field of science and management for the students depending upon their interests.

The science program is being organized in **National University of Singapore**. NUS need no introduction. It is one of the most sought after university for science education in Asia. The summer camp provides insight into a number of areas including **Genetic Engineering, Augmented Reality, 3D modelling and Robotics** among others. The camp is conducted by the experts from the NUS.

The management program is being organized by **Fordham Gabelli School of Business, New York**. With over 90 years of teaching business and management to students of various nationalities. Learn the art of **Entrepreneurship, Sports Business Marketing, Business of Fashion and Financial Market** along with field visits to Madison Avenue, Bloomberg among others. The camp will be conducted by the eminent professors along with field trips include interactions by senior management of many companies and Wall Street.

Contact us for more information.

