



# The Astrophile Newsletter

One Fond of Starlore: An Amateur Astronomer

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## India waiting for Special Eclipse in June

The Solar eclipse will be the last of its kind to be seen in decades to come...

On June 21st 2020, astronomers and stargazers alike will be witnessing one of the deepest eclipses of our lifetime to be seen from land and we can see it from North India. The Annular Solar Eclipse will be a hybrid eclipse which will be near total and give you a chance to witness solar corona and Bailey's Beads, a rare occurrence observed only during total solar eclipse.

To view the eclipse you need to travel to the path of shadow which is a 22 KM wide strip only passing through Rajasthan, Punjab, Haryana, Uttar Pradesh and Uttarakhand. The timing for the eclipse will be from 10:12:14 AM to 13:56:43 with maximum duration of eclipse at 38.6 sec. For more details visit the [eclipse bulletin](#).

## Moon phases and dates

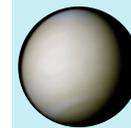
Important phases and dates for Moon to plan your observation

06/06/20	Full Moon	00:42	<a href="#">Partial Lunar Eclipse</a> , Strawberry Moon
13/06/20	Third Quarter	11:53	
21/06/20	New Moon	12:11	<a href="#">Annular Solar Eclipse</a>
28/06/20	First Quarter	13:45	



### Mars

The red planet is shining bright in the morning skies, rising last among the three planets in the morning, Rising around 3 Am the planet will be shining bright in the morning hours.



### Venus

The sister planet is now moving to morning skies from evening skies hence will not be visible in the early June. Towards the second half it will be visible early in the morning twilight.



### Jupiter

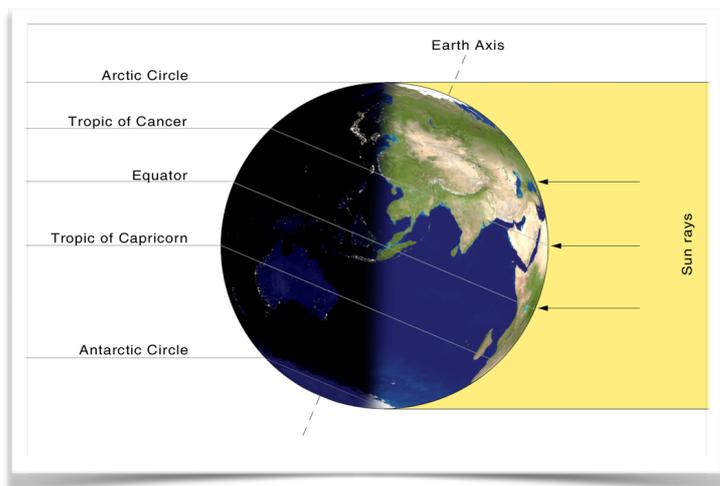
Jupiter will be rising around 11 pm this month and will shine bright next to Milky Way arm through the dawn. The planet is first one to rise in the morning skies. The bands and 4 moons looking beautiful.



### Saturn

The ringed planet will be shining bright in the post midnight skies as it rises just around midnight. The planet is offering excellent views of its ring.

## Summer Solstice coincides with June 21 eclipse



The summer solstice happens to fall on June 21, 2020 at 3:13 am IST. Summer solstice marks the northern most reach of Sun in the sky where it shines bright overhead the Tropic of Cancer. This day also marks the longest day in the northern hemisphere while the shortest day in the southern hemisphere.

Summer solstice also marks the peak of summers in the northern hemisphere. Usually the day is observed either 20, 21 or 22nd of June every year. Also the Earth is farthest from the Sun in its orbit around this time. The axis of the Earth is tilted towards the Sun.

This summer solstice, an annular eclipse of the Sun will be observed from Africa, the Middle East, and Asia.

## Penumbra Lunar Eclipse on June 05-06 from India



On the night between June 5-6, 2020, the Moon will undergo a penumbral shadow of Earth and we will experience the penumbral lunar eclipse. The eclipse will start from 23:15 pm and will go on till 2:34 am. This is the second of the four lunar eclipses happening this year and the last one to be seen completely from India.

Astrophile Education is organizing an online watch party on our YouTube channel for all those who do not have telescopes to enjoy the views.

Read more details here: <https://astro-phile.com/2020/06/01/penumbral-lunar-eclipse-june-05-06-2020/>  
Watch the live event at: <https://youtu.be/3L4a57l35Uw>  
Hope you and your students will join on the day of the event.

## 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.

In this series, we have started with a 5 lecture series on Eclipses since May 24, and will continue till June 21. The series and future programs will be conducted on Sundays so that we all can relax and watch the session live. The interactive session will also result in kids interacting with the speakers directly and gain as much knowledge as possible. The videos will be stored on our YouTube channel for future views. If you can, and have not already, please subscribe to our channel and also ask the students to do so that they don't miss a thing in the future.

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 topics of interest are welcome and appreciated. Our channel link is: [www.youtube.com/AstrophileEducation](http://www.youtube.com/AstrophileEducation).