

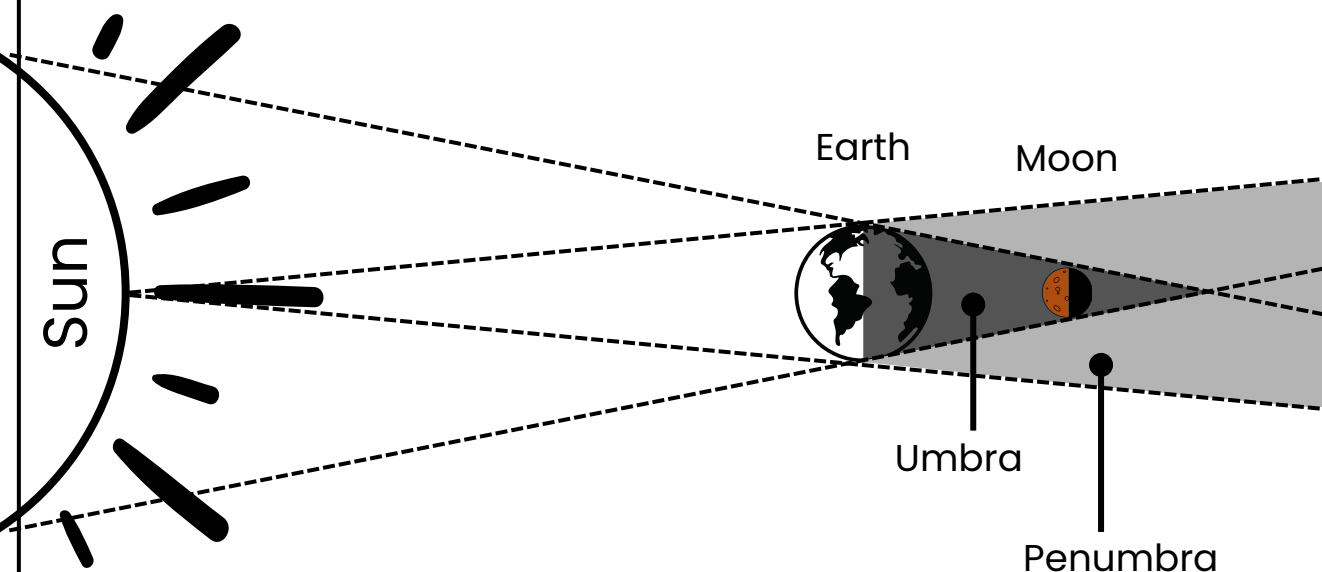


Total Lunar Eclipse

7 - 8 September 2025



A lunar eclipse occurs when the Earth comes in between the Sun and the Moon, causing its shadow to fall on the Moon. This is a natural phenomenon and can be seen by all of us safely, without any harm!



On the night of 7-8 September 2025, the Moon will be completely covered by the shadow of the Earth for around 85 minutes, causing a total lunar eclipse.

During the partial eclipse phase, we can see a part of the Moon hidden. During totality, the eclipsed Moon will actually appear dark red!

WHAT & WHEN?



The Moon will first enter Earth's faint penumbral shadow at 8:58 PM on 7 September. This will be very difficult to see with our eyes.



The Moon will then enter the dark umbral shadow at 9:57 PM. We can very easily see the Moon getting more and more eclipsed with our naked eyes.



The Moon will be completely eclipsed at 11:01 PM to 12:23 AM. Instead of disappearing from the sky, it will have a deep red colour due to the refracted sunlight from our atmosphere!



The Moon will completely leave the umbral shadow at 1:26 AM and the penumbral shadow at 2:25 AM.

Partial Eclipse begins	9:57 PM, 7/9/25
Total Eclipse begins	11:01 PM, 7/9/25
Total Eclipse ends	12:23 AM, 8/9/25
Partial Eclipse ends	1:26 AM, 8/9/25

How?

It is perfectly safe to see a lunar eclipse with our eyes, or through telescopes or binoculars. Eclipses are only a play of shadows and causes no harm to human beings, animals, or food.

Eclipses are also extremely beautiful to see, don't miss this one - the next lunar eclipse will be seen only on 31 December 2028!

More Information



IIABengaluru



IIABlore

outreach@iiap.res.in

SCOPE