

## For Immediate Release

**Date:** September 26, 2015

### **MOON going SUPER on September 28**

SPACE, who as you may know, specialise in the quest for dissemination of Astronomy and Space Sciences to young minds in schools. I would like to share with you that Supermoon and Total Lunar Eclipse is coming up on September 28 which will have the biggest and closest Supermoon of the year, and in the Northern Hemisphere, this full moon enjoys the title of Harvest Moon. As Supermoon is when a full moon is at the perigee position i.e. closest to Earth in its orbit.

The largest Supermoon of the year, will occur on **September 28, 2015 at 2:51 UTC (8:21 AM IST)**. This full moon is not only the closest and largest full moon of the year. It also presents the moon's closest encounter with Earth for all of 2015. The moon will not be so close again until the full moon of November 14, 2016. In other words, it's not just a Supermoon. It's the closest Supermoon of 2015. A Supermoon is the coincidence of a full moon or a new moon with the closest approach the Moon makes to the Earth on its elliptical orbit, resulting in the largest apparent size of the lunar disk as seen from Earth. The technical name is the perigee-syzygy of the Earth-Moon-Sun system.

As Supermoon is bright and big compared to other phases and positions so it is worth observing although it may be too bright for some telescopes. Last but hardly least, this supermoon will also present a total eclipse of the moon, visible on the night of September 27-28 from the Americas, the Atlantic, Greenland, Europe, Africa and the Middle East **but mostly NOT visible from India**. It will be barely visible in India when the moon will be about to set.

<b>Event</b>	<b>Time in New Delhi*</b>	<b>Visible in New Delhi</b>
Penumbral Eclipse begins	28 Sep, 05:43	Yes
Partial Eclipse begins	28 Sep, 06:42	No, below horizon
Full Eclipse begins	28 Sep, 07:43	No, below horizon
Maximum Eclipse	28 Sep, 08:17	No, below horizon
Full Eclipse ends	28 Sep, 08:52	No, below horizon
Partial Eclipse ends	28 Sep, 09:53	No, below horizon
Penumbral Eclipse ends	28 Sep, 10:52	No, below horizon

As Supermoon is associated with many myths this so, SPACE is planning to have public observations, where public can be guided to get rid of those myths.

SPACE will be conducting public observations at India Gate and at Nehru Planetarium through Astronomica, the amateur astronomers' wing of SPACE which has a group of people with love and passion for Astronomy, both amateurs and professionals.

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## **SPACE INDIA**

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### **Apogee and Perigee of the Moon**

Apogee and Perigee refer to the distance from the Earth to the Moon. Apogee is the farthest point from the earth. Perigee is the closest point to the earth and it is in this stage that the moon appears larger.

### **About SPACE**

SPACE, the pioneer organization working towards the development of science and astronomy in India, is an ISO 9001:2000 certified organization and has been working towards cultivating science and astronomy awareness, education and innovation in India through path-breaking concepts, services and programmes.

SPACE has not only successfully implemented astronomy and space science curriculum in Indian education system but has also provided international platforms to students, where they distinctively contribute in scientific discoveries at a very early age.

We constantly strive to use scientific and astronomical programmes to foster scientific temperament in society, especially among the youth who are the harbingers of India's future.

### **Our Flagship Projects**

- Project PARIDHI
- All India Asteroid Search Campaign- AIASC
- ISS Earth KAM (Earth Knowledge Acquired by Middle school students)
- Project Dark Skies
- Kalpna Chawla Quiz Contest
- Internet Telescope
- Project Khoj
- Heliodysey
- Hydro Rocketry Design Competition

### **We believe I DO=I LEARN**

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