

Astronomical Events of November 2020

- November 10** - **Mercury at Greatest Western Elongation.**
Mercury reaches greatest western elongation of 19.1 degrees from the Sun. The planet can be spotted low in the eastern sky just before sunrise.
- November 11, 12** - **Northern Taurids Meteor Shower.**
The Northern Taurids is a long-running minor meteor shower producing only about 5-10 meteors per hour. The Northern Taurids is produced by dust grains left behind by Asteroid 2004 TG10. Meteors will radiate from the constellation Taurus, but can appear anywhere in the sky.
- November 17,18** - **Leonids Meteor Shower.**
The Leonids is an average shower, producing up to 15 meteors per hour at its peak. This shower is unique in that it has a cyclonic peak about every 33 years where hundreds of meteors per hour can be seen. That last of these occurred in 2001. The Leonids is produced by dust grains left behind by comet Tempel-Tuttle, which was discovered in 1865. Meteors will radiate from the constellation Leo, but can appear anywhere in the sky.
- November 30** - **Penumbral Lunar Eclipse.**
A penumbral lunar eclipse occurs when the Moon passes through the Earth's partial shadow, or penumbra. The eclipse will be visible throughout most of North America, the Pacific Ocean, and northeastern Asia including Japan. The penumbral eclipse begins at about 13:02 hrs (IST) and ends at about 17:23 hrs (IST). Not visible from India.