



# What's in the Sky for November 2022

## Get Ready for a Total Lunar Eclipse

### **November 5-12: The Taurid Meteor Shower**

This meteor shower usually displays a maximum hourly rate of 15 slow meteors with a large percent of fireballs. Unfortunately, the Moon will be within several days of its full stage this same week, drowning out all but the brightest meteors.

### **November 8: Total Lunar Eclipse**

The Moon will plunge into the Earth's shadow one last time for this year. Here in Lakewood Village we should see a **Total** Lunar Eclipse. The Moon will enter Earth's shadow at 3:00am. Totality will begin at 4:17am and reach maximum at 4:59am. Totality will continue until 5:40am. The moon will then start to exit Earth's shadow. The eclipse will end around 6:50am. Though it is very early in the morning there will be plenty of time to see it. If you start your day at 5:00am just step outside and take a look. I particularly like to watch Earth's shadow as it creeps over the moon turning it a rusty reddish brown color.

### **November 8: Full Moon/ Beaver Moon**

November's full moon is traditionally called a Beaver Moon, after beavers that build their dams during this time of the year.

### **November 17/18: Leonid Meteor Shower**

The Leonids' shooting stars peak on the night of November 17 and early morning November 18. The Leonid Meteor Shower generally produces up to 15 meteors per hour. Look to the dark sky opposite the moon to see them.

### **November 23: New Moon**

The New Moon phase is the best time to explore the night sky. This would be a great time to view the Andromeda Galaxy, the Owl Cluster, and the show-stopping double star Gamma Arietas.

### **All Month: The Planets**

Jupiter is still quite large and bright. Saturn is still active but daily moving further away. After this year, Saturn's rings will not be as viewable as they have been. Saturn's rings will turn edgewise in 2025 and be more of just a thin line due to the angle of the planet. We will not see the rings substantially again until 2027. Try to see them while you still can. Mars is becoming viewable at last, rising in the East around 9:00pm. Mars is best viewed early in the morning right now. Best viewing time will improve to earlier hours as Mars continues to get closer to Earth. The red planet will reach its closest in early December.