

## Rare Total Lunar Eclipse March 13 and 14, 2025

**EDMONTON, AB – March 10, 2025** – On Thursday, March 13 through the overnight hours till the morning of Friday, March 14, if we have clear skies, Albertans will be able to see the Moon move into the shadow of the Earth, for a somewhat rare total lunar eclipse. The following are times for the event for anyone in Alberta:

- Penumbral lunar eclipse begins: 9:57 p.m. MDT (March 13)
- **Partial lunar eclipse begins: 11:09 p.m. MDT**
- **Total lunar eclipse begins: 12:26 a.m. MDT (March 14)**
- **Mid-Eclipse: 12:58 a.m. MDT**
- **Total lunar eclipse ends: 1:31 a.m. MDT**
- **Partial lunar eclipse ends: 2:47 a.m. MDT**
- Penumbral lunar eclipse ends: 4:00 a.m. MDT

Total Lunar Eclipse duration: 1 hour and 5 minutes

A lunar eclipse occurs when the Moon travels through the Earth's shadow in space and occurs only when we have the right alignment between the Sun, the Earth and the Moon. During the total eclipse portion, the Moon will have completely entered the Earth's dark (umbral) shadow making the Moon take on a dark red or rusty appearance. Although no direct sunlight is reaching the Moon during the umbral eclipse, the Moon does become illuminated by a small amount of long wavelength (red) sunlight refracting through the Earth's atmosphere. After the total lunar eclipse ends, we will begin to see the Moon slowly unveil itself out of the Earth's umbral shadow. After the partial umbral eclipse ends, we will again see our Full Moon of March known as the Worm Moon brightly shining in our evening sky. The next total lunar eclipse visible from Alberta after this one will take place on March 3, 2026.

Viewing a lunar eclipse will require no special filters or optical instruments. It is entirely safe to watch with your eyes alone, unlike a solar eclipse. Telescopes and binoculars will show you greater details on the Moon but are not necessary to view a lunar eclipse.

Guests wishing to watch the lunar eclipse through telescopes, TELUS World of Science - Edmonton and the Royal Astronomical Society of Canada (Edmonton Centre) will have a few telescopes set up around TELUS World of Science - Edmonton in Coronation Park from 10:00 p.m. to 3:00 a.m., clear skies permitting. Remember, the event is weather dependent and consequently the eclipse may not be visible if we have overcast skies. So, dress warmly for the event and let's hope for clear skies!

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### About TELUS World of Science – Edmonton

TELUS World of Science – Edmonton's mission is to be a catalyst for lifelong learning, creating a community of curious minds through immersive experiences and connections with the wonders of science. We are the trusted hub of science engagement for all, pushing boundaries and igniting curiosity. The Edmonton Space & Science Foundation is a registered charitable organization that operates TELUS World of Science - Edmonton.