

## Safely Experience the Partial Solar Eclipse at Your Science Centre

**EDMONTON, AB – October 11, 2023** – On Saturday morning, October 14, Albertans may be able to witness a partial solar eclipse, if skies are clear. To help people safely witness the event, TELUS World of Science – Edmonton and the Royal Astronomical Society of Canada (RASC) - Edmonton Centre will have free safe telescope viewing at the RASC Observatory in Coronation Park. And to provide an opportunity to learn about eclipses, the show *Totality* will be playing in the Zeidler Dome.

“Viewing a partial solar eclipse will require special solar filters to be viewed safely,” says Frank Florian, Senior Manager, Planetarium & Space Sciences, TELUS World of Science – Edmonton. “It is NOT safe to watch a solar eclipse with your eyes alone, unlike a lunar eclipse. Also, 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!”

For individuals wishing to watch this partial solar eclipse safely through telescopes, the Science Centre and the Royal Astronomical Society of Canada (Edmonton Centre) will have telescopes set up around the TELUS World of Science – Edmonton’s RASC Observatory in Coronation Park from 9:00 a.m. to 12:00 p.m. And to learn all about eclipses, the Science Centre will be playing the show *Totality* in the Zeidler Dome at 12:15 p.m. Safe solar viewers can also be purchased in the Galaxy Gift Shop at the TELUS World of Science – Edmonton.

A solar eclipse occurs when the Moon passes directly between the Sun and the Earth, covering a portion of the Sun’s disk from view here on the Earth. This October 14 eclipse will be an annular eclipse, resulting in a bright “ring” of sunlight around the moon [but only for a few locations along a very narrow path on the Earth](#).

“If you are along this path during an annular solar eclipse, you would see that the Moon’s disk is too small to cover the entire disk of the Sun. This leaves a bright ring of sunlight around the Moon, giving the view of an ‘annulus’ or ‘ring’ of sunlight around the Moon,” says Florian. “Unfortunately, this annular solar eclipse view will not be seen from anywhere in Canada leaving us with a partial solar eclipse. For Edmonton, the area of the solar surface (eclipse obscuration) that will be covered will be about 53% at eclipse maximum at 10:28 a.m.”

Depending upon one’s location, the amount of the Moon obscuring the Sun will vary. The following are times of the event for three Alberta locations:

	Edmonton	Calgary	Grande Prairie
Partial eclipse begins:	9:17 am MDT	9:14 am MDT	9:16 am MDT
Mid-eclipse	10:28 am MDT (53%)	10:26 am MDT (60%)	10:25 am MDT (54%)
Partial eclipse ends:	11:44 am MDT	11:45 am MDT	11:39 am MDT
Duration:	2 hours 27 minutes	2 hours 31 minutes	2 hours 23 minutes

Oct 14, 2023 at 10:28 am



Max View in Edmonton, Alberta

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More information: [www.twose.ca/partialsolareclipse](http://www.twose.ca/partialsolareclipse)

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**About TELUS World of Science – Edmonton**

TELUS World of Science – Edmonton's mission is to: Ignite curiosity. Inspire discovery. Celebrate science. Change lives. We are the destination to engage Albertans' hearts and minds in science. The Edmonton Space & Science Foundation is a non-profit organization that operates TELUS World of Science – Edmonton.