



NEWS RELEASE

Safely view the partial solar eclipse at TELUS World of Science – Edmonton on April 8, 2024

EDMONTON, AB – March 27, 2024 – If skies are clear, on Monday, April 8, Albertans may be able to witness a partial solar eclipse. To help people safely witness the event, TELUS World of Science – Edmonton and the Royal Astronomical Society of Canada (RASC) - Edmonton Centre, will have safe telescope viewing at the RASC Observatory in Coronation Park for free. Safe solar viewers, available now, can also be purchased in the Galaxy Gift Shop at TELUS World of Science – Edmonton.

“Safely viewing a partial solar eclipse requires special solar filters,” says Frank Florian, Senior Manager, Planetarium & Space Sciences, TELUS World of Science – Edmonton. “It is not safe to watch a partial solar eclipse with your eyes alone. The event is also 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 those 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 11:00 a.m. to 2:00 p.m.

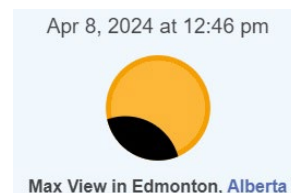
To learn all about eclipses, the Science Centre will also be playing the show *Totality* in the Zeidler Dome at 10:45 a.m. and 2:00 p.m. on eclipse day. A Science Centre general admission ticket is required for the Zeidler Dome show.

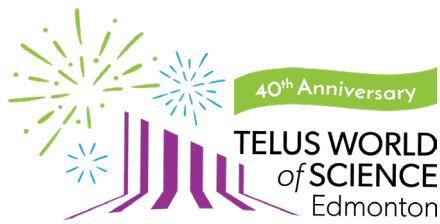
A solar eclipse occurs when the Moon passes directly between the Sun and the Earth, covering a portion (partial solar eclipse) or all (total solar eclipse) of the Sun’s disk from our view here on Earth. This April 8 solar eclipse will be a partial solar eclipse for most of Canada but those in eastern Canada, parts of the US, and Mexico, [along a very narrow path on the Earth](#), will be able to witness the beauty of a rare total solar eclipse.

“If you are along this path during a total solar eclipse, you would see that the Moon’s disk covers the entire disk of the Sun. This would allow you to look up at the totally eclipsed Sun, without the need of solar filters, and see the outer atmosphere of the Sun called the corona for a short period of time,” says Florian. “Unfortunately, this total solar eclipse view will not be seen from our location in Canada, leaving us with just a partial solar eclipse, which will always require safe solar filters.”

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:	11:54 am MDT	11:48 am MDT	11:57 am MDT
Mid-eclipse	12:46 pm MDT (23%)	12:43 pm MDT (26%)	12:42 pm MDT (15%)
Partial eclipse ends:	1:39 pm MDT	1:38 pm MDT	1:29 pm MDT
Duration:	1 hour 45 minutes	1 hour 50 minutes	1 hour 32 minutes





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For Edmonton, the maximum solar surface area the Moon will cover will be about 23% at the eclipse maximum at 12:46 p.m. The next total solar eclipse visible from Edmonton and most of Alberta will take place on August 22, 2044.

Learn more at 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.