

October 14th Annular Solar Eclipse Visible from Belleville

Grab your solar viewing glasses or a pinhole camera to see the next big event in the daytime sky. This is just a preview for the spectacular Total Solar Eclipse next April.

When:

Saturday October 14th, 2023 starting at 12:00 pm

Times as viewed from Belleville, ON

Partial eclipse Start: 12:01 PM EDT

Maximum Eclipse: 1:12 PM EDT (Solar Coverage 23.5%)

End partial eclipse: 2:25 pm

Next Saturday this is what it will look like from Belleville at 1:12 pm (at maximum coverage):



Caution:

DO NOT LOOK AT THE SUN WITHOUT PROPER EYE PROTECTION!

Even a brief glance at the sun without proper shielding can permanently damage your eyes. Use certified solar viewing glasses or use a Pinhole Camera to see “a bite taken out of the sun”.

This one is just a “warm-up” for the big event on April 8, 2024 when a Total Solar Eclipse will be visible from Belleville. The sun will be completely covered for a period of just over two minutes in the middle of the afternoon. This is one that you don’t want to miss – the next Total Solar Eclipse visible from Belleville will not occur until 2399! The Belleville Centre of the Royal Astronomical Society of Canada will have solar viewing glasses on sale for this once in a lifetime event (actually 1100 years).

Also, we will have a Lunar Eclipse preceding this on Monday March 25th, 2024, peaking at 3:12 am. This is when the Moon passes through Earth’s shadow. This Lunar Eclipse and the following Total Solar Eclipse occur when the Moon’s and the Earth’s orbits intersect; with the Sun, Moon, and the Earth all in alignment.

For more info see:

<https://www.rasc.ca/solar-eclipses>

<https://earthsky.org/sun/annular-solar-eclipse-october-14-2023/>