

Niagara County Total Eclipse

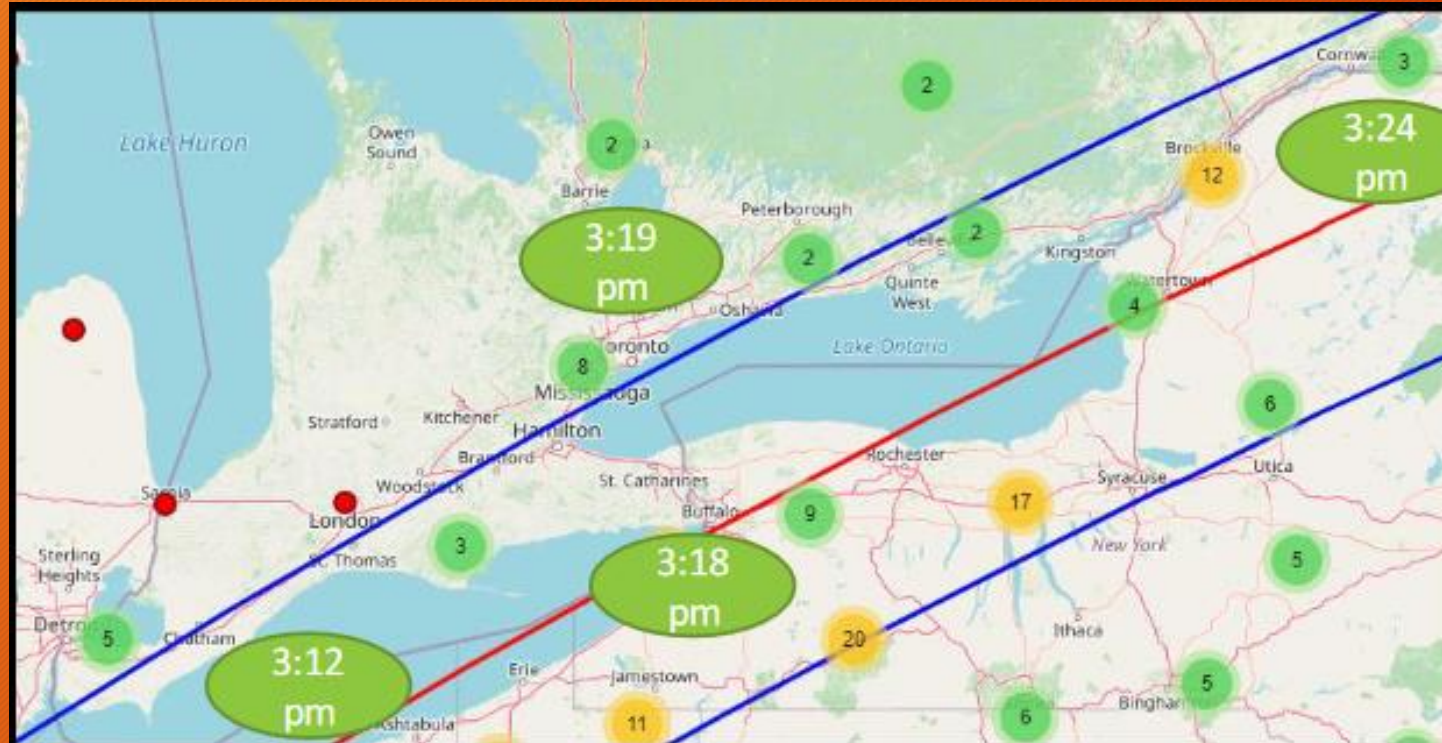


**Coming Soon to the sky near you
Monday April 8, 2024**



A total solar eclipse is when the Sun's disk is completely covered by the moon's shadow for a short period of time

NYS Total Eclipse Path 2024



April 8, 2024 Total Solar Eclipse



Areas within the blue lines will experience the total solar eclipse - path of totality

2024 Total Solar Eclipse



- The **total solar eclipse** will occur on **April 8, 2024**.
- Niagara County is in the 120-mile path of totality
- The eclipse will **begin** about **2:07 p.m.**
- **Totality** will begin around **3:18 p.m.**
 - Where the Moon completely covers the sun in the sky
- **Totality** lasts about **3 min 32 seconds**
- Partial Eclipse **ends** around **4:33 p.m.**

2024 Total Solar Eclipse



- If weather is clear, it is not a question of if people will show up, but how many. Could be in the 100,000's+ in the region
- Eclipse-visitors often are not committed to view from any one location and will favor mobility, confirming their viewing plans the day before - or even the day of the eclipse - based on the weather forecast.
- There will be both sanctioned and unsanctioned events.
 - Sanctioned events those that have been recognized
 - Unsanctioned events site specific or (POP-UP).



A total solar eclipse is about as bright as the full Moon — and just as safe to look at. But the Sun at any other time is dangerously bright. View it only through special-purpose solar filters that comply with the transmission requirements of the ISO 12312-2 international standard for filters for direct viewing of the Sun.

Niagara County Weather



- Dress accordingly. On April 8, the temperature in Buffalo typically ranges from 38° F to 49° F and is rarely below 27° F or above 64° F.
- Lake Ontario and Niagara River water temperature potentially between 35° F to 40° F
- Historically in Buffalo on April 8, the percentage of time that the sky is overcast or mostly cloudy remaining about 56% throughout the day.

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On April 8, 2024, a solar eclipse will occur with NY & New England experiencing at least 90% darkness as the Moon passes between the Sun & the Earth. Cloud coverage will be important for those who wish to view it. Maps below from NASA. For more, visit science.nasa.gov/solar-system/s...



4:43 PM · 2/5/24 From Earth · 71K Views

Niagara County Residents Impacts



- The eclipse itself poses no risk to those who use solar eclipse glasses when viewing the eclipse when worn properly
- It is expected that large amounts of people will be travelling to Niagara County to view the eclipse. Great for the economy!
- During the 2017 solar eclipse:
 - Traffic jams in many local areas
 - Fuel shortages in small towns - Fill your tank
 - Impacts to emergency response - Responders are prepared



Niagara County Residents Impacts



- This will be a **five** day event possibly April 5 - 9, 2024, many great events scheduled all across Niagara County
- Huge economic event for our community
- Visitors will trickle in over several days prior to the event
 - Prepare for your needs for the weekend and especially Monday
 - Medicine
 - Fuel
 - Food
- Many observers will travel without planned lodging.
- Many observers will attend eclipse related events as well.

Niagara County Residents Impacts



- Visitors and Viewers will position themselves at any location they believe to be legal. Especially areas with long sight-lines:
 - Building roofs
 - Hilltops
 - Niagara Gorge
 - River & Lake Shorelines - Boats on the water
 - Remote areas
 - State and local parks
 - Hiking trails and campsites
 - Farm land

Be prepared for viewers in areas they aren't supposed to be!

Niagara County Residents Impacts



- A huge exodus of visitors may leave immediately at the end of totality or end of event and a significant number will wait until the following day.
 - If 2017 is a guide, most people will want to depart in the 2 hours post-totality - traffic increased by 50%+ from regular traffic in areas in 2017
 - Majority leave right after the first 15 minutes post totality (this is the biggest issue!)
 - Transportation networks may see congestion including total stoppage
 - Highways
 - Local roads
 - Bike and footpath



Niagara County Residents



- Residents and visitors alike should sign up for Prepare Niagara app?



[Prepare Niagara App](#)

Enjoy the once in a lifetime experience as a
Niagara County Resident!



April 8, 2024 Niagara County Eclipse