

The background of the slide is a total solar eclipse. A bright, glowing ring of the sun's corona is visible against a dark, starry sky. The sun's disk is almost entirely obscured by the moon, leaving only a thin, bright ring of light. The colors range from deep blue and purple on the left to bright yellow and orange on the right, where the sun's light is most intense.

Steuben County  
Office of Emergency Services

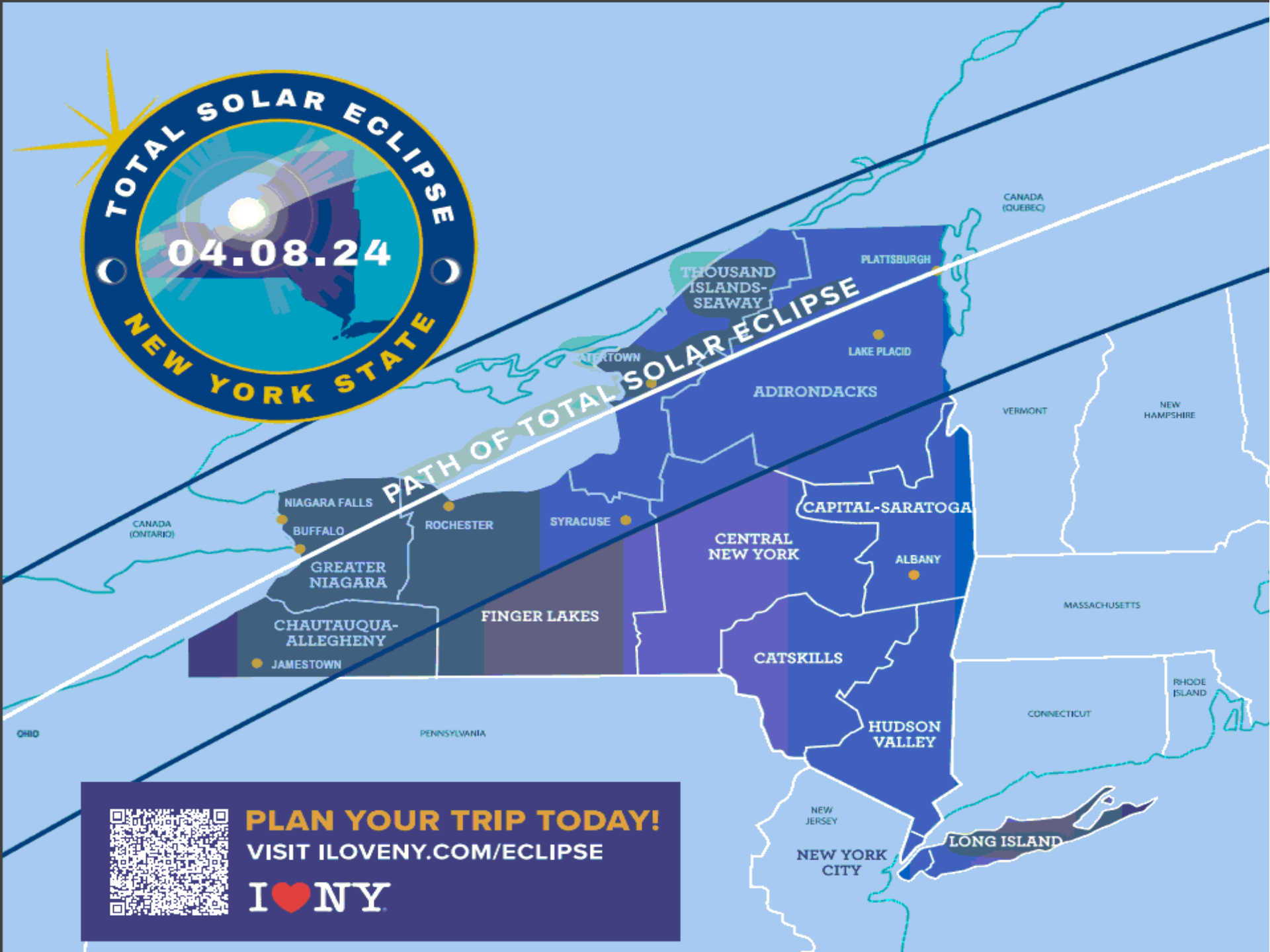
**Total Solar Eclipse  
Preparedness Guide**

April 8, 2024



## What to Expect

- A total Solar Eclipse will happen on Monday, April 8, 2024
- A total solar eclipse is when the moon completely blocks out the sun, causing darkness during the day.
- Eclipse Timing: 2:06 p.m. - 4:33 p.m.
- Totality / Darkness Timing: 3:20 p.m. – 3:24 p.m. (3 minutes and 38 seconds) Totality in Steuben will be 2 minutes 28 seconds.
- What will happen during totality:
  - Deep dusk in the sky
  - The temperature may fall by as much as 10 degrees
  - Animals and plants may behave as if it's nighttime
  - Those with sensory processing disorder may experience issues
  - It will feel eerily still with a sense of wonder and awe
  - It will still get dark even if it's a cloudy day
- This is an historic event. Hundreds of thousands of visitors are expected to visit the region from Jamestown to Buffalo to Rochester. It is anticipated that many visitors are expected to arrive to those areas in the days leading up to the event and stay until Tuesday. The next total solar eclipse for Rochester Area won't occur for another 120 years, on October 26, 2144.



**PLAN YOUR TRIP TODAY!**  
VISIT [ILOVENY.COM/ECLIPSE](http://ILOVENY.COM/ECLIPSE)



Latitude: 42.5517° N  
 Longitude: 77.6363° W  
 Time Zone: UT1-4 AST/EDT

**Total Solar Eclipse**

Duration of Totality: 1m 55.7s  
 Magnitude: 1.004  
 Obscuration: 1.000

Event	Contact	Date	Time	Alt	Azi
Partial Eclipse Begins	C1	2024/04/08	14:06:26.3	53.0°	202.8°
Total Eclipse Begins	C2	2024/04/08	15:20:42.7	45.1°	228.3°
		2024/04/08	15:21:40.7	44.9°	228.6°
Total Eclipse Ends	C3	2024/04/08	15:22:30.4	44.0°	220.0°
Partial Eclipse Ends	C4	2024/04/08	16:33:22.2	33.8°	246.6°

Predictions by F. Espenak, www.EclipseWise.com

Latitude: 42.2109° N  
 Longitude: 77.6912° W  
 Time Zone: UT1-4 AST/EDT

**Partial Solar Eclipse**

Magnitude: 0.994  
 Obscuration: 0.997

Event	Contact	Date	Time	Alt	Azi
Partial Eclipse Begins	C1	2024/04/08	14:06:03.0	53.4°	202.7°
		2024/04/08	15:21:26.8	45.2°	228.7°
Partial Eclipse Ends	C4	2024/04/08	16:33:16.6	34.0°	246.7°

Predictions by F. Espenak, www.EclipseWise.com

Latitude: 42.1722° N  
 Longitude: 77.0444° W  
 Time Zone: UT1-4 AST/EDT

**Partial Solar Eclipse**

Magnitude: 0.986  
 Obscuration: 0.990

Event	Contact	Date	Time	Alt	Azi
Partial Eclipse Begins	C1	2024/04/08	14:06:59.0	53.2°	204.1°
		2024/04/08	15:22:16.3	44.8°	229.7°
Partial Eclipse Ends	C4	2024/04/08	16:33:53.9	33.4°	247.4°

Predictions by F. Espenak, www.EclipseWise.com



# How to Prepare

## Plan for Traffic

- Expect heavier than normal traffic conditions along the Interstates and secondary routes in Steuben County in the days leading up to and after the event. Heaviest traffic is anticipated to be at the conclusion of the event on Monday afternoon.
- The path of totality will cross the northwest section of Steuben County. These areas could see increased traffic around the timing of the eclipse.
- Allow extra time when driving to work, events and appointments especially for those traveling to the north and west in the path of totality.
- If you plan to be driving during the eclipse, please remember to:
  - Avoid stopping on roadways to view the eclipse
  - Use headlights when driving
  - Be sure your gas tank is full ahead of the eclipse
  - Have water, medications, food and appropriate clothing (boots, hats, blankets) in your vehicle especially if traveling to high viewing areas.



# How to Prepare (continued)

## Health & Safety

- Always use ISO-Certified 12312-2:2015 eclipse glasses when looking directly into the Sun during the duration of the eclipse
- Sunglasses don't provide enough protection and you could damage your eyes
- The general recommendation is to have 2 pairs of eclipse glasses per family. It's OK to share eclipse glasses if you won't be looking at the Sun the entire time
- Find out where official eclipse glasses are sold:  
<https://rochestereclipse2024.org/eclipse-glasses-buying-locations/>  
<https://eclipse.aas.org/eye-safety/viewers-filters>
- Refill prescriptions in advance
- Avoid scheduling non-emergent medical appointments in the afternoon especially in the path of totality.
- Viewing from land or water always place yourself in a safe viewing location. Reminder that anyone on the water should be wearing a personal flotation device.



# How to Prepare (continued)

## Reminders

- Most schools will be closed or on a half day
- Some businesses will be closed, work remotely or flex their hours
- Evaluate and consider whether routine deliveries or appointments are appropriate. May be fine in Steuben but not in other areas.
- Restaurants and stores may be busier with visitors
- Cell service may or may not be impacted by potential high demand



# Additional Resources

**For those traveling to the north and west into the path of totality consider checking out these preparedness resources below:**

- Erie County
  - <https://www3.erie.gov/health/total-solar-eclipse>
- Monroe County
  - <https://www.monroecounty.gov/eclipse-2024>
- Wayne County
  - <https://web.co.wayne.ny.us/719/Wayne-County-Solar-Eclipse>
- Livingston County
  - <https://www.visitlivco.com/livcosol/>

## **Additional Eclipse Information**

National Eclipse	<a href="https://nationaleclipse.com/">https://nationaleclipse.com/</a>
NASA	<a href="https://science.nasa.gov/eclipses/safety/">https://science.nasa.gov/eclipses/safety/</a>
Great American Eclipse	<a href="https://www.greatamericaneclipse.com/">https://www.greatamericaneclipse.com/</a>
Eclipse Simulator	<a href="https://eclipse2024.org/">https://eclipse2024.org/</a>
Eclipsewise.com	<a href="https://shorturl.at/jorHZ">https://shorturl.at/jorHZ</a>

# FEATURES



## Ready Steuben

Allows Steuben County residents access to information and resources regarding disaster planning and preparedness.



## Weather

Keep updated on current weather conditions in your area.



## Notifications

Get breaking news and updates directly to your device.

**now  
available on:**



Questions or concerns can be directed to

607-664-2910 \* [readysteuben@steubencountyny.gov](mailto:readysteuben@steubencountyny.gov)