



2024 TOTAL SOLAR ECLIPSE INFORMATION GUIDE*

**Information Current as of 08/07/2023*

LIVINGSTON COUNTY, NEW YORK

Anticipated Community Impact Days: Thursday, April 4, 2024
to Tuesday, April 9, 2024

Total Solar Eclipse: Monday, April 8, 2024

Eclipse Takes Place: 2:06pm to 4:33 p.m. EST

Totality Begins: 3:20pm

Total Darkness: 3 minutes, 33 seconds

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FOR ADDITIONAL INFORMATION OR SPECIFIC QUESTIONS:

Visitors: **Livingston County Tourism**
6 Court Street, Geneseo, NY 14454
(585) 519-6035
info@visitlivco.com
<https://www.visitlivco.com>

Businesses: **Livingston County Economic Development**
6 Court Street, Geneseo, NY 14454
(585) 243-7124
info@growlivco.com
<https://www.growlivco.com>

Everyone: **Eclipse Information**
6 Court Street, Geneseo, NY 14454
(585) 519-6035
info@visitlivco.com
<https://www.visitlivco.com/livcosol>

DISCLAIMER: This is a 'living' document and will be updated on an as needed basis. Please keep this in mind when looking for information about the eclipse in Livingston County.



ECLIPSE FACTS

Two solar eclipses will come through the state of New York, specifically the Finger Lakes Region, within a six-month time frame. This is a rare and exceptional circumstance that will consequently make New York a magnet for potentially hundreds of thousands of visitors from across the United States and around the world.

On Saturday, October 14, 2023, an annular solar eclipse will take place beginning over the Pacific Ocean and reaching the United States at Oregon. It will pass through California, Nevada, Utah, Colorado, Arizona, New Mexico, and Texas. For approximately five minutes, those near the middle of the path of this annular solar eclipse will be able to see the Sun as a “ring of fire”. At all times during an annular eclipse, safe eclipse viewing techniques should be practiced.



Following the annular solar eclipse, a total solar eclipse will take place on Monday, April 8, 2024. A total solar eclipse takes place when the Moon passes between the Sun and the Earth, causing a complete block of the face of the Sun. The duration of totality will be approximately four minutes and 27 seconds for certain areas. In the United States, this total solar eclipse will touch 15 states including Texas, Arkansas, Oklahoma, Missouri, Tennessee, Illinois, Kentucky, Indiana, Ohio, Michigan, Pennsylvania, New York, Vermont, New Hampshire, and Maine. This will be the last total solar eclipse visible from the contiguous United States until 2044. Livingston County, New York is within the path of totality for the 2024 solar eclipse. In 2017, the Great American Eclipse was the first total solar eclipse to touch the "Lower 48" since 1979 and the first to span the U.S. from coast to coast since 1918. And now, another total solar eclipse is coming to North America, just seven years after the last one. This time the Moon's dark central shadow, about 115 miles wide, will cross Mexico, sweep northeast from Texas to Maine, and then darken the Canadian Maritimes.

WHAT IS THE DIFFERENCE BETWEEN AN ANNULAR ECLIPSE AND A TOTAL SOLAR ECLIPSE?

An annular solar eclipse takes place when the Moon passes between the Earth and the Sun when it is at or near its farthest point from the Earth. When at this location, the Moon appears smaller than the Sun and does not completely cover it, resulting in the Moon appearing as a dark disk on top of a larger, bright disk (the Sun). This creates the “ring of fire” around the Moon. During an annular eclipse, it is never safe to look directly at the Sun without specialized eye protection designed for solar viewing.

A total solar eclipse takes place when the Moon passes between the Earth and the Sun, completely blocking the face of the Sun. The sky will darken as if it were dawn or dusk, and people located in the center of the Moon's shadow, or path of totality, will experience a total eclipse. Except during the brief total phase of a total solar eclipse, when the Moon completely blocks the Sun's bright face, it is not safe to look directly at the Sun without specialized eye protection for solar viewing.

WHO CAN SEE THE ECLIPSE?

Depending on weather and cloud cover, everyone in the contiguous United States will see at least a partial solar eclipse.

HOW CAN YOU SEE THE ECLIPSE?

Eclipse viewers should never look directly at the Sun without appropriate eye protection except during totality. There are several ways to safely view an eclipse of the sun including direct viewing, which requires a filtering device, as well as indirect viewing where you project an image of the sun onto a screen.

When watching the partial phases of the solar eclipse directly with your eyes, safe solar viewing glasses, or “eclipse glasses” or a handheld solar viewer, must be used at all times. No matter how dark, regular sunglasses are NOT safe for viewing the Sun. Safe solar viewers are thousands of times darker and must comply with the ISO 12312-2 international standard. Viewing any part of the bright Sun through a camera lens, binoculars, or a telescope without a special-purpose solar filter secured over the front of the optics will instantly cause severe eye injury.

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Sources: **NASA** (<https://solarsystem.nasa.gov/eclipses/2024/apr-8-total/overview>)
The Great American Eclipse (<https://www.greatamericaneclipse.com>)

FREQUENTLY ASKED QUESTIONS (FAQS)

What time is the Total Solar Eclipse 2024 in LivCo?

On Monday, April 8, 2024, the eclipse will take place from 2:06 to 4:33 p.m. EST, while the total solar eclipse will be visible from approximately 3:20:04 to 3:23:04 p.m. in Livingston County, New York.

What is an eclipse?

A total solar eclipse takes place when the Moon passes between the Sun and the Earth, completely blocking the face of the sun.

Wait, there are two eclipses?

Yes! An annular solar eclipse will take place on Saturday, October 14, 2023. A total solar eclipse will happen on Monday, April 8, 2024.

Where can I buy eclipse glasses?

LivCo Sol Eclipse Glasses are available online at [VisitLivCo.Shop](#). Certain Livingston County retail locations also sell eclipse glasses and additional merchandise. Eclipse glasses or solar filters should comply with the transmission requirements of the ISO 12312-2 international standard for filters for direct viewing of the Sun.

Where can I view the eclipse?

Residents are encouraged to stay in their communities to view the eclipse. Several villages will be hosting events for residents to enjoy and view the eclipse in their respective downtowns. The official LivCo Sol public viewing area for visitors will be at the Livingston Fairgrounds in Caledonia, New York (310 Leicester St, Caledonia, NY 14423), however, when it has reached capacity, additional viewers will not be allowed to enter the fairgrounds. We recommend reserving your tickets and/or parking spaces ahead of time or having multiple options if your first option is filled up. Letchworth State Park will also be open for public viewing, however, space will be limited. For public health and safety, no new visitors will be admitted once capacity is reached.

Where can I not view the eclipse?

For safety and ease of traffic, we do not recommend pulling off and parking on the side of the road. Please stay off private property.

Will schools be closed for this event?

Livingston County schools will be closed on Monday, April 8, 2024.

What supplies should I have on hand in case I cannot leave my house on the day of the eclipse? When should I shop for supplies?

Supplies should include cash, fueled up vehicles, food and water, first aid supplies, solar filters, medications, portable oxygen (if required). Shopping one to two weeks in advance is encouraged, if not sooner.

What should I do as a business owner in Livingston County to prepare for the eclipse?

Livingston County Tourism has prepared *Tips for Businesses: Solar Eclipse Planning Guide*. Additional information can be found at <https://www.visitlivco.com/livcosol/stakeholder-info>.

Is there an email address I can use to contact someone to answer a question not addressed in this Eclipse Information Guide?

For questions not addressed in this Eclipse Information Guide, please email info@visitlivco.com.

Where is the website for eclipse information in Livingston County?

The official webpage for the eclipse is <https://www.visitlivco.com/livcosol/> and is being managed by Livingston County Tourism. To avoid duplication of efforts, information for both visitors and residents is included on this site.



LIVCO SOL RETAILER LOCATIONS

Visit one of the following retailers to shop for eclipse glasses and a variety of LivCo Sol merchandise. Eclipse glasses comply with the transmission requirements of the ISO 12312-2 international standard for filters for direct viewing of the Sun.

2nd Time Around Consignment

123 Main Street, Leicester, NY 14481
(585) 382-5064
<https://www.2ndtimeconsignment.com>

Adventures & Art

3090 Main Street, Caledonia, NY 14423
(585) 943-4323
<https://www.adventures-and-art.com>

Caledonia Marketplace

3136 Main Street, Caledonia, NY 14423
(585) 538-2136
<https://www.facebook.com/CaledoniaMarketplace>

Carvings and More

79 Main Street, Mount Morris, NY 14510
(585) 658-3775
<https://www.carvingsandmore.org>

Empire Gift Shop

85 Main Street, Mount Morris, NY 14510
(585) 658-9194
<https://www.facebook.com/empirecheerly>

Geek Chic Floral Boutique

57 Genesee Street, Avon, NY 14414
<https://www.geekchicfloralboutique.com>

Mill Creek Optical

205 Main Street, Dansville, NY 14437
(585) 335-9490
<https://www.millcreekoptical.com>

Simply Positive

23 Main Street, Livonia, NY
(585) 204-0441
<https://www.simplypositive711.com>

Sunrise Boulderling/Cosmic Charlie Cafe

2 School Street, Geneseo, NY 14454
(585) 703-2125
<https://www.sunriseboulderling.com>

The Gallery in the Valley

79 Main Street, Geneseo, NY 14454
(585) 880-9026
<https://www.thegalleryinthevalley.com>

The Valley Shop

13 South State Street, Nunda, NY 14517
(585) 468-1012
<https://www.facebook.com/Thevalleyshop13>

Touch of Grayce

65 Main Street, Geneseo, NY 14454
(585) 243-4980
<https://www.touchofgrayce.com>

Trail Otter

134 Main Street, Leicester, NY
(585) 382-5055
<https://www.trailotter.com>

TIPS FOR RESIDENTS

Eclipse Begins: Monday, April 8, 2024, from 2:06 to 4:33 p.m. EST, while the total solar eclipse will be visible from approximately 3:20:04 to 3:23:04 p.m. in Livingston County, New York.

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- Traffic will be heavy and lines for local services such as restaurants, gas stations, grocery stores, and retail stores may be longer than usual; do what you can ahead of time before the anticipated impact days and allow for extra time to get where you need to go.
- Things to consider doing in advance of the heaviest congestion periods:
 - **Errands & Appointments:** Schedule your errands and appointments early, before Thursday, April 4, 2024, if possible. Check ahead if you have plans for Monday, April 8, 2024; some services and businesses will be closed or have limited hours during this time. By scheduling your errands early, you will beat the crowds and give local stores and businesses time to restock before eclipse visitors arrive; this includes grocery shopping, appointments, prescriptions, etc.
 - **Supplies:** Overall, supplies may be limited due to the high demand; which may mean the items you want are not available during the impact days. If there is something important you need, get it early.
 - **Gas:** If you normally fill up your tank on the weekend, be sure to do that task early, before Thursday, April 4, 2024.
 - **Cash:** If you regularly use cash or want some on hand, consider visiting your local bank or ATM before Thursday, April 4, 2024.
- **911:** Know when it is appropriate to call 911 (true emergencies) and have the non-emergency phone number for your local Dispatch Center programmed into your phone ahead of time. The non-emergency phone number for Livingston County Deputy Sheriff is (585) 243-7100.
- **Cellular Service:** With the increased number of visitors, local public safety officials anticipate cellular service may become overwhelmed (primarily Monday, April 8, 2024) or have limited access during the impact days. Consider these ideas to assist with communications during this time:
 - Develop a communication plan with family and friends if you lose or have limited service.
 - If you only have a mobile phone at home, find out which of your neighbors have a land-line number in case you need to call 911 for an emergency.
- **Public Water Systems:** Consider postponing watering your lawn or using “extra” water during the anticipated impact days to take pressure off the public water system during that time.
- **Individual/Family Emergency Plans:** Consider the eclipse event to be an opportunity to check your emergency kits and emergency plans. If you do not have a kit or have not discussed your emergency plans, now is an opportune time to do so.



TIPS FOR VISITORS

Eclipse Begins: Monday, April 8, 2024, from 2:06 to 4:33 p.m. EST, while the total solar eclipse will be visible from approximately 3:20:04 to 3:23:04 p.m. in Livingston County, New York.

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Livingston County's population of approximately 60,000 people is expected to swell during the impact period. It is best to arrive early, come prepared, and have reasonable expectations, given the situation. The Genesee River Valley is a beautiful, unique place, but please keep local hazards in mind and always know your surroundings.

While visiting during the eclipse impact days:

- Do not think, "We'll just pick up what we need when we get there." Supplies, cash, fuel, and restaurant meals may be limited or have long lines due to high demand.
- Think about your personal safety and security:
 - Have a good communication plan with your family members. Cell service may be limited due to the increased volume. Have an out of area friend or family member you can check in with if you get separated. Pick a landmark where you can reunite if you get separated in a crowd.
 - Do not leave valuables in your vehicles. Think through your security plan and how to keep important items secure, i.e. cell phones, telescopes, binoculars, wallets, etc.
- Make sure your vehicle/RV has been serviced and you are all fueled up and ready to go (gas, propane, etc.).
- Help us keep our communities and public areas clean and safe; follow the rule "Pack it in, Pack it out!"

What to bring with you:

- Eclipse viewing glasses
- Water
- First Aid Kit
- Necessary medications for you and your pets
- Cash (ATMs may be limited during this time)
- Sunscreen
- Sunglasses
- Hat/Visor
- Comfortable walking shoes
- Folding chairs
- Jacket or sweatshirt (New York weather is unpredictable)
- Snacks/food for the hours, days you plan to be with us
- Prepaid phone card - if you need to call long distance and cellular service is not available
- Maps of the area if you need directions (print your directions and bring them with you); your cellular service may be limited during heaviest impact times



TIPS FOR BUSINESSES

Eclipse Begins: Monday, April 8, 2024, from 2:06 to 4:33 p.m. EST, while the total solar eclipse will be visible from approximately 3:20:04 to 3:23:04 p.m. in Livingston County, New York.

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Livingston County expects a large increase in visitors throughout the weekend. This is a great opportunity for local businesses; however, preparedness will be crucial for this event. Grocery stores, gas stations, hotels, restaurants, transportation services, retail stores, and other establishments will experience heavier than normal business.

Livingston County Tourism has prepared *Tips for Businesses: Solar Eclipse Planning Guide*. Additional information can be found at <https://www.visitlivco.com/livcosol/stakeholder-info/>.

What You Can Do to Prepare Your Business:

- **Back-up Plans:** Prepare for a potential increase in customers; have needed supplies on hand and early; consider extending hours of operation to meet customer needs and have back-up plans if staff is delayed due to traffic.
- **Employee Preparedness:** Encourage employees to have a full tank of gas; have their own resources ready at home; have daycare needs met, etc., by Thursday, April 4, 2023. Gas stations may be very busy or may be waiting on resupply. Make sure your staff can get to work, so give them reminders to plan ahead.
- **Cash & Financial Transactions:** Be prepared for more cash transactions; consider having extra tills set up to accommodate more cash transactions. You may have larger than normal deposits over the weekend. Check ahead of time if your bank will be open on Monday, April 8, 2024.
 - **HOW DOES YOUR CREDIT/ DEBIT CARD MACHINE ACCESS THE INTERNET?** If you use cell service/cell wireless service for your transactions, be prepared with a backup plan. We anticipate a high demand for cellular service during the impact period, especially Monday, April 8, 2024. You may find you are not able to make transactions; have a backup plan to meet your customers' needs.
- **Communications:** Anticipate possible cellular service disruptions due to the increased demand. Visitors may have urgent requests to use your landline business phone if cell service is limited; decide how you want to handle these requests and make sure employees know what to do. If it is a 911 emergency and you have a landline, be ready to help!
- **Regularly Scheduled Deliveries & Product:** Evaluate when you receive your regular deliveries; deliveries scheduled for Monday, April 8, 2024, may be significantly delayed due to the overwhelming number of vehicles trying to come into and leave Livingston County. Consider rescheduling for Tuesday or ordering extra the week prior. Will you have enough product on hand should an influx of customers utilize your services?
- **Restrooms:** Be aware many visitors will be camping in authorized and potentially unauthorized locations; expect customers who may be primarily interested in using business restrooms. Public restrooms will be in short supply and portable restrooms in limited locations may be at capacity until serviced.



- **Weather and Your Business:** If conditions are foggy or cloudy, visitors with hotel reservations will most likely not change their plans, but the "day trippers" may move to a location with better viewing conditions; there is no way to predict this, but monitoring the weather forecast the week to 10 days prior to April 8, 2024, will be useful for your business.
- **Eye Safety:** Determine if you will provide solar filters or glasses for employees and/or customers. If yes, order them as soon as possible to make sure you receive them in time. Livingston County Tourism is selling eclipse glasses (\$2/each) at [VisitLivCo.Shop](#).
- **Experiencing the Eclipse:** Make sure you have a plan that allows employees to view the eclipse. This is once in a lifetime experience that everyone will want to experience, including at their place of business.
- **Community Dashboard:** Register for the Livingston County Eclipse Community Dashboard at eclipseweb.org/community to ensure coordination with local, state, regional, and national eclipse planners across the continent. Join one or more of the committees in the dashboard to address your specific needs.
- **Visit and review the official eclipse website at livcosol.com.**
 - If you have general information to share on the website regarding your business's modified hours or closure during the eclipse, please email: info@visitlivco.com.

SAFETY: EYE PROTECTION DURING ECLIPSE VIEWING

Looking directly at the Sun is unsafe except during the brief total phase of a solar eclipse (“totality”) when the Moon entirely blocks the Sun’s bright face, which will happen only within the narrow path of totality.

What You Can Do:

The only safe way to look directly at the uneclipsed or partially eclipsed Sun is through special-purpose solar filters, such as “eclipse glasses” or hand-held solar viewers. Homemade filters or ordinary sunglasses, even very dark ones, are not safe for looking at the Sun. Eclipse glasses and hand-held solar viewers should meet the ISO 12312-2 international standard for such products.

Pinhole projection is an alternative method for safe viewing of the partially eclipsed Sun. For example, cross the outstretched, slightly open fingers of one hand over the outstretched, slightly open fingers of the other. With your back to the Sun, look at your hands’ shadow on the ground. The little spaces between your fingers will project a grid of small images on the ground, showing the Sun as a crescent during the eclipse’s partial phases. Additional eye safety tips can be found on NASA’s website.

What You Can NOT Do:

- Look at the uneclipsed or partially eclipsed Sun through an unfiltered camera, telescope, binoculars, or other optical device.
- Look at the Sun through a camera, telescope, binoculars, or any other optical device while using your eclipse glasses or hand-held solar viewer – the concentrated solar rays will damage the filter and enter your eye(s), causing serious injury.

If you are within the path of totality, remove your solar filter only when the Moon completely covers the Sun’s bright face and it suddenly gets dark. Experience totality, then, as soon as the bright Sun begins to reappear, replace your solar viewer to glance at the remaining partial phases.

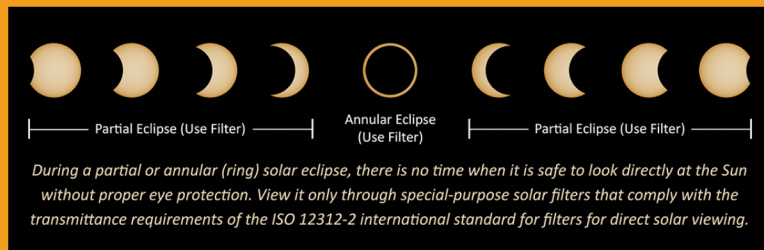
SAFE SOLAR VIEWING

The only safe way to look directly at the uneclipsed, partially eclipsed, or annularly eclipsed Sun is through eclipse glasses or solar viewers. Ordinary sunglasses, even very dark ones, are not safe for looking at the Sun. Safety is the number one priority when viewing an eclipse.

Find more information and safety tips at:

eclipse.aas.org
(How to View a Solar Eclipse Safely)

solarsystem.nasa.gov
(Total Solar Eclipse Safety)



SAFETY: TRANSPORTATION, TRAVEL, AND PARKING

While the number of eclipse visitors is hard to estimate, residents and visitors should expect increased activity on roadways, neighborhoods, public facilities, restaurants, parks, and retail stores. Hotels, short-term rentals, and campgrounds will be at peak capacity.

The large influx of people expected to visit New York during this eclipse event will greatly impact highways, gasoline supply, and other basic needs. What you do to plan ahead will help your eclipse-viewing experience.

What You Can Do:

- **Expect delays.** Traffic backups are inevitable. Preparation ensures less frustration for visitors and residents alike.
- **Expect traffic changes.** Normal travel paths may be disrupted.
- **Be prepared.** If traveling, plan for your basic needs such as food, water, fuel for your vehicle, and bathroom breaks in case you are stuck in traffic.
- **Do what you can to HELP.** Can you work from home or flex your work schedule when local roadways are full? Avoid roads being used to get people in or out of a local event. Ride your bicycle when possible to avoid congestion.
- **Look out for each other.** This is a rare opportunity, but it brings potential hazards. We must all do our part to be prepared. You may see travelers who are unfamiliar with the area. Be friendly, helpful, and patient.
- **Motor Vehicle Accidents.** If you have a fender bender, call 911 if there are injuries, dangers, or leaking fluids. Move your vehicles safely to the side of the road and exchange insurance information.
- **Be mindful of New York's "move over" law.** As soon as you see lights, vests or reflectors, check traffic around you, SLOW DOWN and MOVE OVER if safe to do so. The New York State Move Over Law protects law enforcement officers, emergency workers, tow and service vehicle operators and other maintenance workers stopped along roadways while performing their duties.
 - Drivers must use due care when approaching an emergency vehicle that displays red or any combination of red, white or blue emergency lighting or a hazard vehicle displaying flashing amber lighting, or a vehicle displaying blue or green lighting:
 - On all roads and highways, drivers must reduce speed;
 - On Parkways and other controlled access highways with multiple lanes, when approaching an emergency vehicle that displays red or any combination of red, white or blue emergency lighting, or a hazard vehicle displaying flashing amber lighting, or a vehicle displaying blue or green lighting, drivers must move from the lane immediately adjacent to the emergency or hazard vehicle, unless traffic or other hazards exist to prevent doing so safely.
- **Keep emergency vehicles in mind when parking.** Maintaining room for emergency vehicles is critical during large scale events such as the eclipse. Parking in your driveway or on your own property, will help ensure first responders will not be impeded by parked vehicles on their way to an emergency call.

SAFETY: MEDICAL SERVICES AND FIRST AID

Knowing how to treat minor injuries can make a difference in an emergency or helping yourself, family, or friends. You may consider taking a first aid class, but simply having the following supplies can help you stop bleeding, prevent infection, and assist in decontamination. Having a basic first aid kit that includes some of the following items will better prepare you to help yourself and others if they are hurt.

- At least two pairs of patient care gloves (latex or sterile gloves)
- Sterile dressings to stop bleeding
- Cleansing agent/soap
- Antibiotic towelettes
- Antibiotic ointment
- Burn ointment
- Adhesive bandages in various sizes
- Thermometer
- Scissors
- Tweezers
- Eye wash solution to flush eyes or as a general decontaminant
- Tube of petroleum jelly or other lubricant
- Prescription medications you take every day such as insulin, heart medication, and asthma inhalers
- Prescribed medical supplies such as glucose and blood pressure monitoring equipment and supplies
- Non-prescription drugs - aspirin or non-aspirin pain reliever, anti-diarrhea medication, antacid, and/or laxatives

Medical Services in Livingston County:

UR Medicine Noyes Hospital

111 Clara Barton Street
Dansville, NY 14437
(585) 335-6001
<https://www.urmc.rochester.edu/noyes>

UR Medicine Noyes Health Services

50 E South Street
Geneseo, NY 14454
(585) 991-6001
<https://www.urmc.rochester.edu/noyes>

UR Medicine Urgent Care – Noyes Health

50 E South Street
Geneseo, NY 14454
(585) 243-9595
<https://www.urmc.rochester.edu/noyes/healthcare-services/after-hours-clinics>

Rochester Regional Health Urgent Care

4302 Gateway Drive
Geneseo, NY 14454
(585) 295-6760
<https://www.rochesterregional.org/locations/geneseo-campus/urgent-care>

RULES AND ETIQUETTE

With so many people gathering in our county to witness this monumental event, here are some tips to make sure the eclipse event is fun and safe for everyone.

Trespassing:

- Do not trespass on private property.
- Do not trespass on public properties that are closed.

Parking and Transportation:

- Parking will be very limited; determine if there is public transportation where you plan to visit or be ready for long walks to where you are headed.
- When parking, do so legally. Do not park in fire lanes; do not block driveways or roadways; doing so could hamper first responders from reaching those who need help.

Other:

- Do not litter. This includes leaving trash or debris on either public or private property as well as throwing any garbage from a vehicle.
- Avoid external lighting, flashlights, camera flashes, sparklers or other fireworks, or any light that would detract from the phenomena.