



2024 Total Eclipse Presentation

April 8th, 2024

Agenda

- NYS Total Eclipse History
- Path & Timeline of the Total Eclipse
- Challenges & Opportunities
- NYS Preparedness Efforts
- St Lawrence County Planning Considerations
- Public Safety Next Steps
- Resources



NYS Total Eclipse History



Total Solar Eclipses in the US

Jan 24, 1925

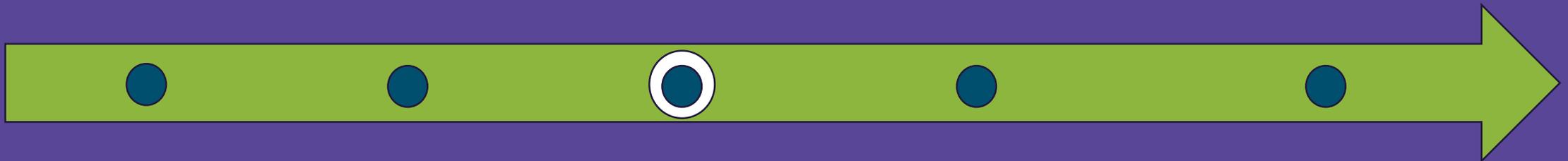
Last Total
Solar
Eclipse in
NYS

April 8, 2024

Total Solar
Eclipse
visible in
STLC

Oct. 26, 2144

Next Total
Solar Eclipse
in NYS



Aug. 21 2017

Last Total Solar
Eclipse in United
States

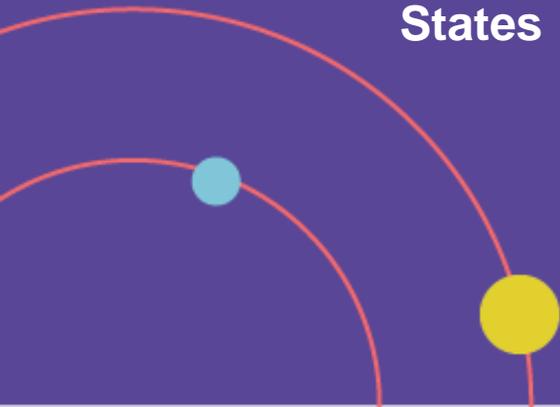
Aug. 21 2045

Next Total Solar Eclipse in
United States (CA to FL)

Next Total Solar Eclipse in St. Lawrence County

October 26, 2144

120 years from 2024 Eclipse!



Path & Timeline of the Eclipse



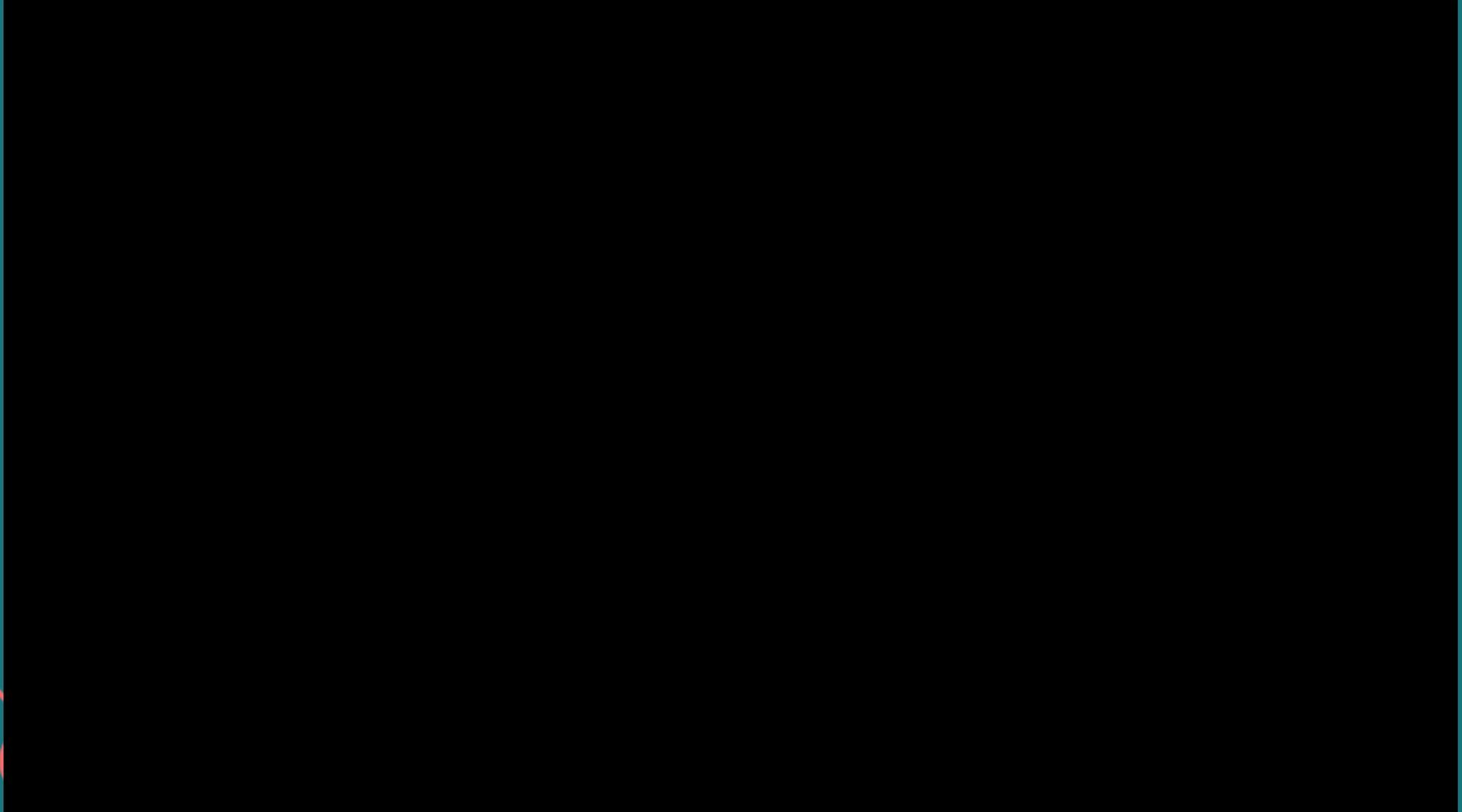
Path of the 2024 Eclipse



Path of the 2024 Eclipse



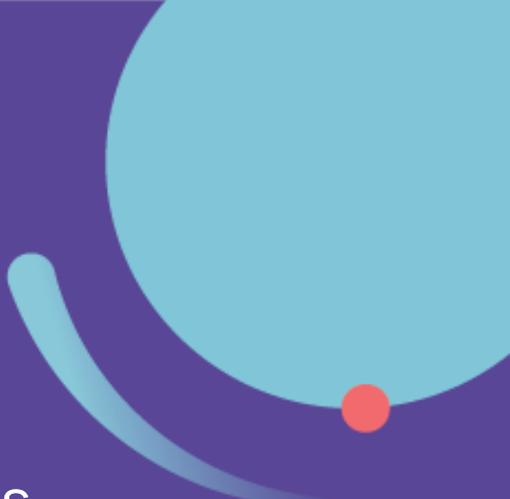
Path of the 2024 Eclipse



Challenges & Opportunities Presented



Challenges

- Transportation
 - Egress after the Eclipse caused mass congestion on major roads
 - Cell Coverage
 - Limited coverage now in areas
 - Hospitality / Travel Infrastructure
 - Rooms booked now
 - Restaurants running out of food
 - Mass Gathering
 - Unknown amount of people coming into County
- 

Opportunities

- Tourism
- Marketing
- Economic benefits
- Education
- Emergency Management
 - Unique opportunity to exercise many plans and annexes that typically only able to be simulated



NYS Preparedness Efforts

- Formed a NY Interagency Eclipse Task Force
- Established Committees to address specific efforts
- Developed a NYS Eclipse web site



St Lawrence County Planning Considerations

- 29 NYS Counties in the path
 - St Lawrence is one
- 9 NYS Counties intersect with the center line totality
 - St Lawrence is one
- 20 NYS counties have portions of their county within the area of totality – high viewing demand
 - St Lawrence is one



St Lawrence County Planning Considerations



STLC Totality Viewing Areas

Shortest: 2m 18.6s
 Longest: 3m 37.4s

Phase 1 Ave. Duration

1 hour 12 mins

Phase 2 Ave. Duration

1 hour 10 mins

Ave. Total Duration

2 hours & 25 mins

Longest Viewing Experience in Pitcairn

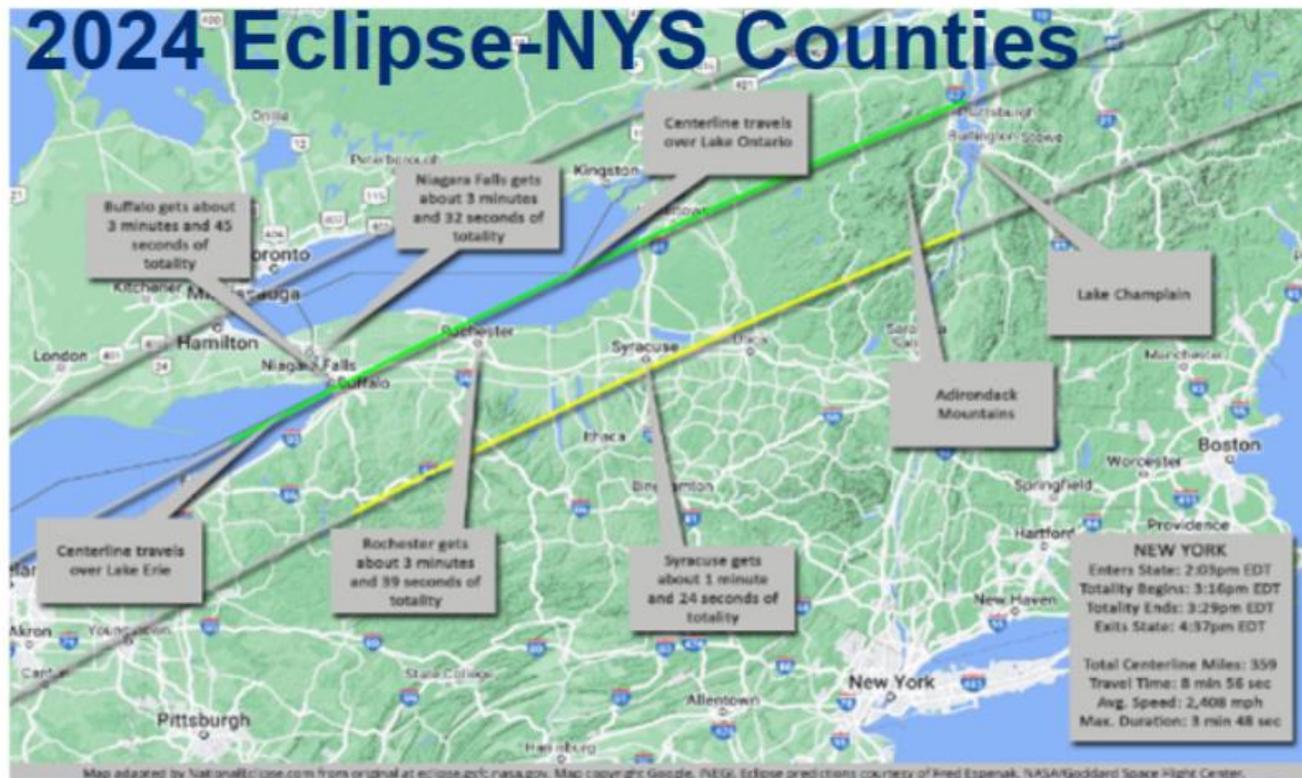
Shortest Viewing Experience in Waddington

STLC REGION	Partial Eclipse Begins	Totality Start	Totality Duration	Partial Eclipse Ends	Total Event Duration
Brasher	2:12:27 PM	3:24:39 PM	2:50.1	4:37:14 PM	2:24:47
Canton	2:11:39 PM	3:23:52 PM	3:12.8	4:37:14 PM	2:25:35
Clare	2:11:39 PM	3:23:47 PM	3:32.7	4:37:18 PM	2:25:39
Clifton	2:11:44 PM	3:23:55 PM	3:35.6	4:37:27 PM	2:25:43
Colton	2:11:56 PM	3:24:02 PM	3:24.9	4:37:05 PM	2:25:09
Cranberry Lake	2:11:49 PM	3:23:59 PM	3:35.6	4:37:31 PM	2:25:42
Dekalb	2:11:20 PM	3:23:36 PM	3:17.9	4:36:35 PM	2:25:15
Edwards	2:11:19 PM	3:23:31 PM	3:33.8	4:36:59 PM	2:25:37
Fine	2:11:25 PM	3:25:37 PM	3:36.9	4:36:51 PM	2:25:26
Fowler	2:11:06 PM	3:23:21 PM	3:34.1	4:36:43 PM	2:25:37
Gouverneur	2:11:02 PM	3:23:19 PM	3:29.3	4:36:44 PM	2:25:42
Hammond	2:10:49 PM	3:23:13 PM	3:10.3	4:36:25 PM	2:25:36
Hermon	2:11:28 PM	3:24:06 PM	3:23.4	4:36:43 PM	3:24.6
Hopkinton	2:12:21 PM	3:24:24 PM	3:18.7	4:37:10 PM	2:24:49
Lisbon	2:11:33 PM	3:23:59 PM	2:42.0	4:36:43 PM	2:25:10
Louisville	2:12:05 PM	3:24:32 PM	2:24.3	4:36:54 PM	2:24:49
Macomb	2:10:59 PM	3:23:20 PM	3:15.9	4:36:34 PM	2:25:35
Massena	2:12:17 PM	3:24:40 PM	2:26.7	4:37:06 PM	2:24:49
Morristown	2:10:59 PM	3:23:30 PM	2:49.9	4:36:35 PM	2:25:36
Norfolk	2:12:03 PM	3:24:20 PM	2:48.8	4:37:13 PM	2:25:10
North Lawrence	2:12:29 PM	3:24:35 PM	3:05.3	4:37:17 PM	2:24:48
Norwood	2:12:00 PM	3:24:15 PM	2:57.8	4:37:06 PM	2:25:06
Ogdensburg	2:11:18 PM	3:23:49 PM	2:37.3	4:36:53 PM	2:25:35
Oswegatchie	2:11:28 PM	3:23:40 PM	3:36.8	4:37:05 PM	2:25:37
Parishville	2:12:10 PM	3:24:14 PM	3:22.2	4:37:16 PM	2:25:06
Piercefield	2:12:12 PM	3:24:19 PM	3:32.3	4:37:28 PM	2:25:16
Pierrepont	2:11:49 PM	3:23:57 PM	3:23.9	4:37:00 PM	2:25:11
Pitcairn *	2:11:10 PM	3:23:25 PM	3:37.4 **	4:36:54 PM	2:25:44
Potsdam	2:11:58 PM	3:24:08 PM	3:10.9	4:37:14 PM	2:25:02
Richville	2:11:12 PM	3:23:27 PM	3:24.8	4:36:46 PM	2:25:34
Russell	2:11:33 PM	3:23:43 PM	3:29.5	4:36:48 PM	2:25:15
South Colton	2:11:58 PM	3:24:03 PM	3:29.3	4:37:08 PM	2:25:10
Star Lake	2:11:30 PM	3:23:43 PM	3:36.1	4:37:08 PM	2:25:38
Stockholm	2:12:12 PM	3:24:21 PM	3:05.8	4:37:07 PM	2:24:55
Waddington *	2:11:49 PM	3:24:22 PM	2:18.6 **	4:36:54 PM	2:25:05
West Potsdam	2:11:50 PM	3:24:04 PM	3:04.0	4:37:07 PM	2:25:17
Winthrop	2:12:19 PM	3:24:28 PM	3:01.5	4:37:09 PM	2:24:50



St Lawrence County Planning Considerations

City	Totally Start	Duration
Chautauqua	3:17:23 PM	3:25
Buffalo	3:18:20 PM	3:45
Niagara Falls	3:18:21 PM	3:32
Rochester	3:20:09 PM	3:39
Auburn	3:22:20 PM	1:44
Watertown	3:22:34 PM	3:39
Fort Drum	3:22:48 PM	3:38
Alexandria Bay	3:22:53 PM	3:15
Syracuse	3:23:04 PM	1:24
Canton	3:23:52 PM	3:13
Old Forge	3:24:03 PM	2:48
Potsdam	3:24:08 PM	3:11
Tupper Lake	3:24:28 PM	3:30
Massena	3:24:40 PM	2:27
Saranac Lake	3:24:54 PM	3:29
Lake Placid	3:25:08 PM	3:21
Indian Lake	3:25:19 PM	2:02
Wilmington	3:25:19 PM	3:26
Plattsburgh	3:25:44 PM	3:33



DRAFT, PRIVILEGED, AND CONFIDENTIAL



St Lawrence County Planning Considerations

- Consider assigning a local Eclipse Community Coordinator at the county level; collaborate with any local municipal coordinators.
- Form a local Eclipse Planning Task Force with key partners to address planning and preparation needs for response to the event at the county level and for separate municipalities.
- Engage school districts and higher education partners to discuss changes to normal operations, potential after school activities, safe viewing opportunities during time of totality, etc.



St Lawrence County Planning Considerations

- Collaborative planning will facilitate success; ensure Public Safety partners are working in conjunction with Event Planning partners and local Chambers of Commerce.
- Limited number of resources available; ensure public safety entities are aware of all planned events taking place.
- Determine / identify public and non-public viewing areas
- Know the weather.

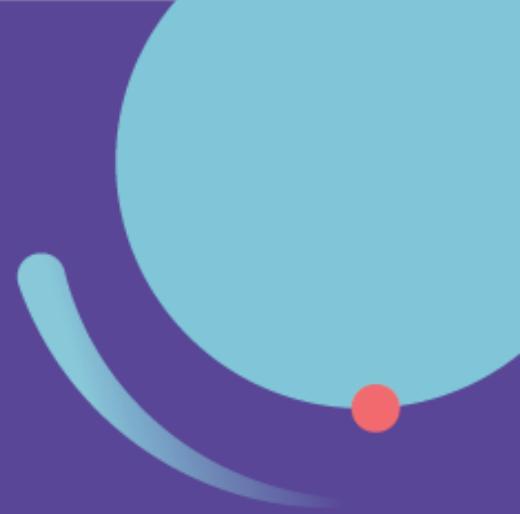


Public Safety Next Steps



Public Safety: Next Steps

- Identify our partner agencies
- Identify our resources
- Develop Situational Awareness
- Share, Share, Share



Resources

- NYS
- The American Astronomical Society Solar Eclipse Task Force (SETF)
- NASA





THANK YOU

2024 Total Eclipse Presentation

April 8th, 2024