



This web page was created to specifically serve New York State



Created by Ingrid Amberger  
Retired Meteorologist - National Weather Service

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Watches-Warnings-Advisories			Observations/Reports/Forecasts		Thunderstorms/Tornadoes		Precipitation/Flooding Threat	
Winter	Drought	Fire Weather	Hazards Outlooks	Heat	Cold	Wind Gusts	Great Lakes & Coastal Hazards	
1991-2020 Normals		Fact Sheets						

### Active [Watches-Warnings-Advisories](#) & [Area Forecast Discussions](#)



[Severe Thunderstorm/Tornado Watch](#)



[Flood Watch-Warning-Advisory](#)



[Winter Watch-Warning-Advisory](#)



[Wind Watch-Warning-Advisory](#)



[Excessive Heat Watch-Warning-Advisory](#)



[Extreme Cold Watch-Warning-Advisory](#)



[Tropical Watch-Warning](#)



[Dense Fog Advisory](#)



[Freeze Watch-Warning Frost Advisory](#)



[Great Lakes Hazards Coastal: Flooding & Marine Hazards](#)



[Fire Weather Watch Red Flag Warning](#)



[Air Quality Alerts](#)



[Tsunami Watch-Warning](#)

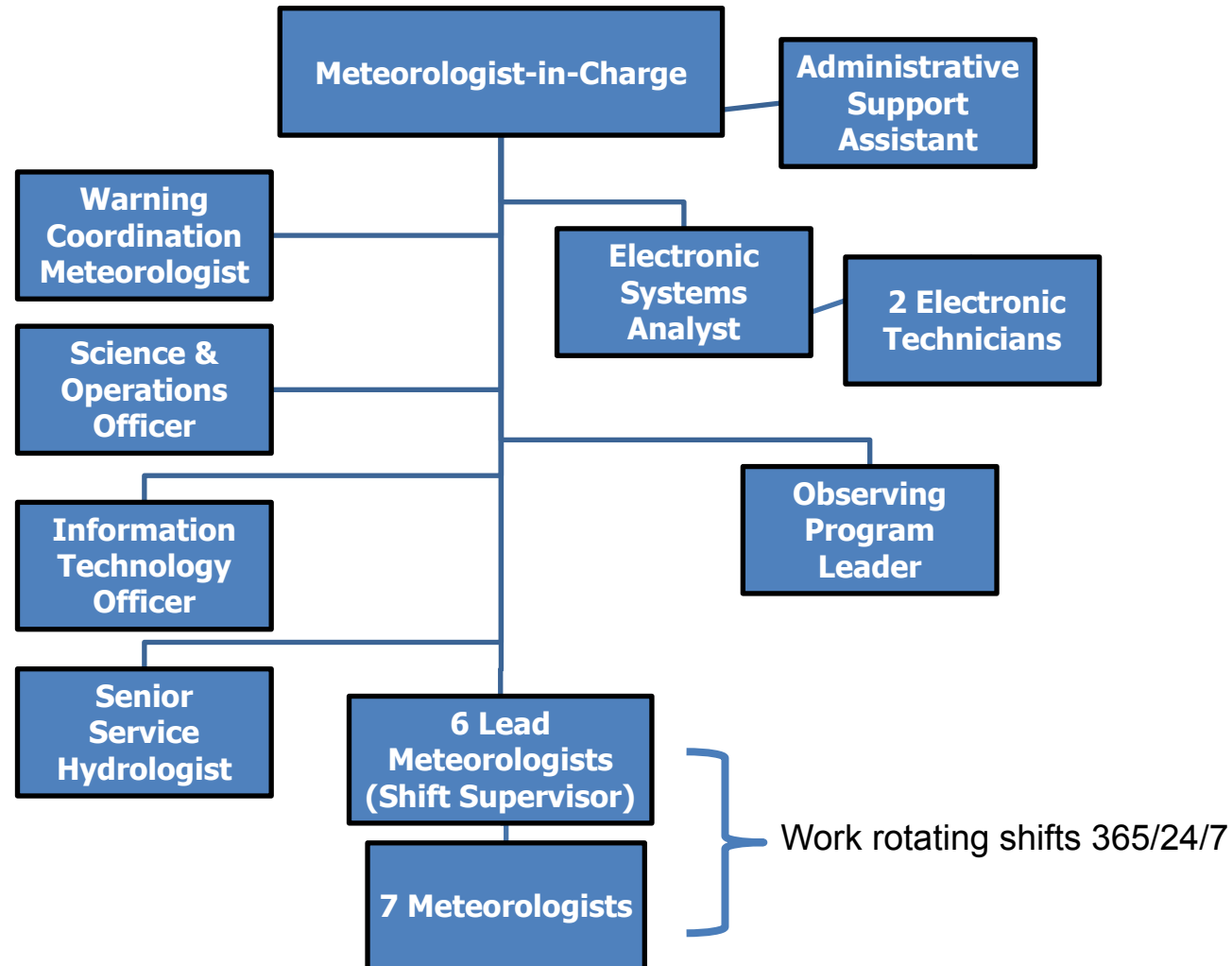
Maps are updated twice an hour





## NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION







# “Watches-Warnings-Advisories” Tab

The graphics are generated at the top of the hour and at half past, then they are pushed to the page. This time varies with it typically taking about 15 to 25 minutes to post to the page.



Can see the areal coverage of the watches, warnings and advisories that are in effect

[Watches-Warnings-Advisories link](#) gives access the text statements issued by each NWS office serving the state

[Area Forecast Discussions link](#) gives access to all the forecast discussions issued by each NWS office serving the state

Area Forecast Discussions - NYS  
Weather.gov > Albany, NY > Area Forecast Discussions - NYS

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Albany, NY Burlington, VT Binghamton, NY Buffalo, NY New York, NY

**Area Forecast Discussion**  
Issued by NWS Albany, NY

Current Version | Previous Version | Graphics & Text | Print | Product List | Glossary Co  
Versions: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

688  
FXUS61 KALY 191845  
AFDALY

AREA FORECAST DISCUSSION  
National Weather Service Albany NY  
645 AM EDT Tue Mar 19 2024

.SYNOPSIS...  
Cool and brisk conditions will continue today, with lake effect snow showers in favored areas again. It will become cold and windy Wednesday afternoon into Thursday, as a strong cold front moves across the region bringing additional accumulating snow mainly to higher terrain areas north and west of the Capital Region.

.&&

.NEAR TERM /THROUGH TONIGHT/...  
.UPDATE...Main change with this update was to increase Pops to mention scattered snow showers moving across northern/eastern parts of the Capital District early this morning based on current radar imagery. Also increased wind gusts this morning based on current obs. Otherwise no significant changes.

## New York State Briefing Graphics

Weather.gov > Albany, NY > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

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Active [Watches-Warnings-Advisories](#) & [Area Forecast Discussions](#)



[Severe Thunderstorm/Tornado Watch](#)



[Flood Watch-Warning-Advisory](#)



[Winter Watch-Warning-Advisory](#)



[Wind Watch-Warning-Advisory](#)



[Excessive Heat](#)



[Extreme Cold](#)



[Tropical Watch-Warning](#)



[Dense Fog Advisory](#)



[Freeze Watch-Warning Frost Advisory](#)



[Great Lakes Hazards Coastal: Flooding & Marine Hazards](#)



[Fire Weather Watch Red Flag Warning](#)



[Air Quality Alerts](#)



[Tsunami Watch-Warning](#)

Maps are updated twice an hour

Under each graphic tile there is a link to a fact sheet specific to New York State or to a National Weather Service web page for that hazard



## Severe Thunderstorm Watch

Valid Until  
8:00 PM EDT Thursday  
July 28, 2022

### Threat Information



**TORNADOES**  
A Couple Tornadoes  
Possible



**HAIL**  
Isolated Hail Up To  
Quarter Size Possible



**WIND**  
Scattered Gusts  
Up To 65 MPH Likely

### Potential Exposure



Population: 4,949,200  
Schools: 1730  
Hospitals: 100



## Severe Thunderstorm Warning

Valid Until  
7:30 PM EDT Sunday  
July 24, 2022

### Threat Information



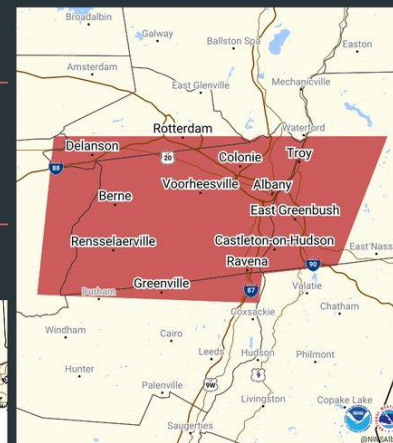
**WIND**  
Up to  
60 MPH



**HAIL**  
Penny  
Sized Possible

### Potential Exposure

Population: 542,157  
Schools: 132  
Hospitals: 7



## Flash Flood Warning

Valid Until  
4:00 PM EDT Tuesday  
August 23, 2022

### Safety Information



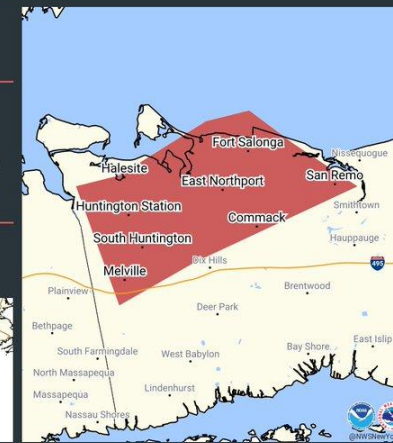
Move immediately to  
higher ground!



Avoid walking or driving  
through flood waters!

### Potential Exposure

Population: 196,682  
Schools: 47  
Hospitals: 1



## Special Marine Warning

Valid Until  
4:30 PM EDT Friday  
August 26, 2022

### Threat Information



**WIND**  
Greater than 34KTS



**HAIL**  
Pea  
Sized Possible

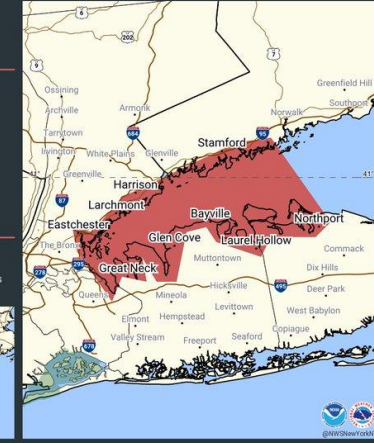


**WATERSPOUT**  
Not expected

### Safety Information



**Steep Waves**  
Seek safe harbor  
Take protective actions



## Tornado Watch

Valid Until  
11:00 PM EDT Thursday  
June 16, 2022

### Threat Information



**TORNADOES**  
A Couple Tornadoes  
Possible



**HAIL**  
Scattered Hail Up To  
Two Inch Size Possible



**WIND**  
Widespread Gusts  
Up To 70 MPH Likely

### Potential Exposure



Population: 9,203,904  
Schools: 2725  
Hospitals: 187



## Tornado Warning

Valid Until  
7:15 PM EDT Monday  
August 29, 2022

### Threat Information



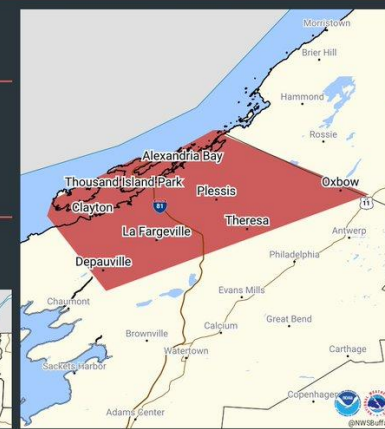
**TORNADO**  
Radar Indicated



**HAIL**  
Pea  
Sized Possible

### Potential Exposure

Population: 9,999  
Schools: 5  
Hospitals: 1



## Special Weather Statement

Valid Until  
7:30 PM EDT Wednesday  
August 31, 2022

### Threat Information



**WIND**  
40 MPH



**HAIL**  
Pea  
Sized Possible

### Safety Information



Seek shelter in a  
sturdy structure



## Snow Squall Warning

Valid Until  
2:45 PM EST Saturday  
February 19, 2022

### Threat Information



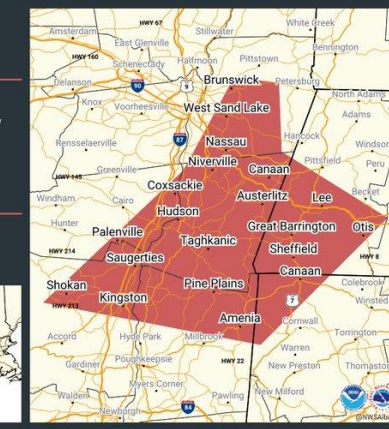
**Hazard**  
White out conditions in  
heavy blowing snow



**Impact**  
Dangerous life-  
threatening travel

### Potential Exposure

Population: 258,034  
Highways: I-87  
I-90  
I-587



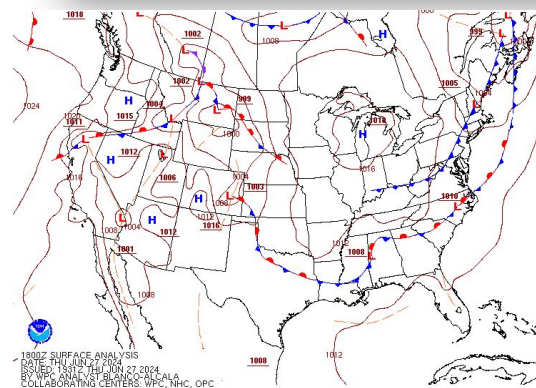
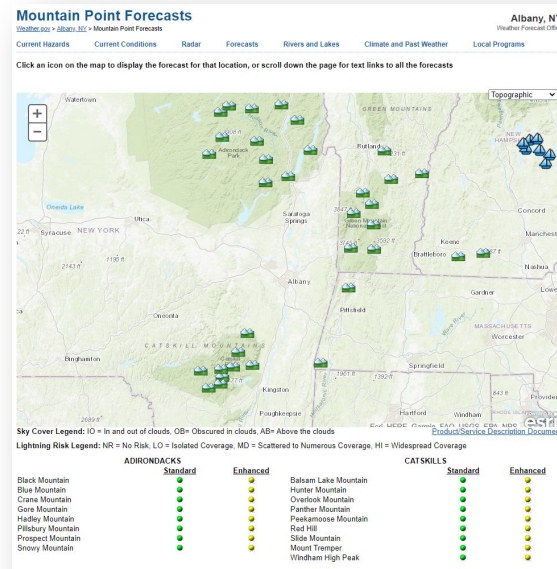
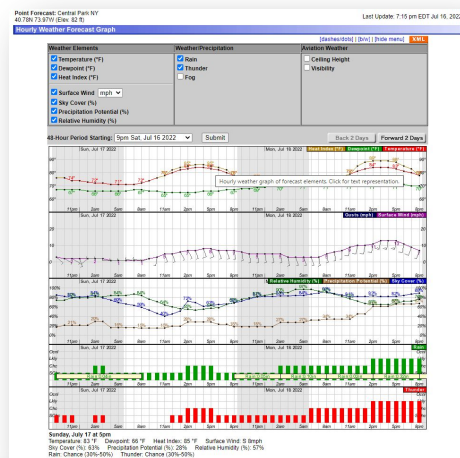


# “Observations/Reports/Forecasts” Tab



Albany, NY  
WEATHER FORECAST OFFICE

Access to current data such as radar, satellite, lightning data, weather maps, reports from on-going events and past events, snowpack information, hourly forecasts for selected cities, recreational forecasts, river and stream observations and forecasts, and access to the NYS Mesonet.



Click on the tab to view the latest Public Information Statement issued by:

Albany, NY   Burlington, VT   Binghamton, NY   **Buffalo, NY**   New York, NY   Norton(Boston), MA  
Philadelphia/ME Holly, PA   State College, PA   Gray/Portland, ME

Latest Public Information Statement issued by National Weather Service Buffalo, NY

### Public Information Statement

Issued by NWS Buffalo, NY

Current Version | [Previous Version](#) | [Graphics & Text](#) | [Print](#) | [Product List](#) | [Glossary On Versions: 1.2.3.4.5.6.7.8.9](#)

800  
NWS541 KBUF 181339  
PIBUSS  
NYZ081-008-010-014-019-021-085-110139-

Public Information Statement  
National Weather Service Buffalo NY  
939 AM EDT Sun Jul 10 2022

...LOW TEMPERATURE REPORTS...

Location	Temp	Time/Date	Provider
...New York...			
...Allegany County...			
Angelica	38 F	0700 AM 07/10	COOP
Belmont	40 F	0600 AM 07/10	AUS
Alfred	46 F	0600 AM 07/10	COOP
Wellsville Airport	46 F	0756 AM 07/10	ASOS
...Cattaraugus County...			
Olean	38 F	0555 AM 07/10	NVSH
4 N Allegany	42 F	0650 AM 07/10	AUS
Randolph	43 F	0625 AM 07/10	NVSH
Allegany State Park	44 F	0600 AM 07/10	COOP
Olean	44 F	0730 AM 07/10	COOP
Salamanca	46 F	0610 AM 07/10	AUS
Cattaraugus 3H	45 F	0700 AM 07/10	COOP
Olean Airport	46 F	0555 AM 07/10	AUS
...Chautauque County...			
Clymer	39 F	0600 AM 07/10	NVSH
Dunkirk Airport	47 F	0753 AM 07/10	ASOS
Fredonia	47 F	0550 AM 07/10	NVSH
Dunkirk 15	48 F	0535 AM 07/10	COOP
Jamestown Airport	49 F	0756 AM 07/10	AUS

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#)   [Current Conditions](#)   [Radar](#)   [Forecasts](#)   [Rivers and Lakes](#)   [Climate and Past Weather](#)   [Local Programs](#)

[Watches-Warnings-Advisories](#)   [Observations/Reports/Forecasts](#)   [Thunderstorms/Tornadoes](#)   [Precipitation/Flooding Threat](#)

[Winter](#)   [Drought](#)   [Fire Weather](#)   [Hazards Outlooks](#)   [Heat](#)   [Cold](#)   [Wind Gusts](#)   [Great Lakes & Coastal Hazards](#)

[1991-2020 Normals](#)   [Fact Sheets](#)

## New York State Weather Support Matrices



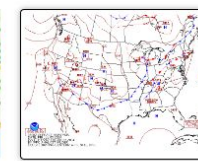
[Northeast Radar Loop](#)



[National Radar Loop](#)



[National Water Prediction Service \(Users Guide\)](#)



[Surface Map & Forecast Maps](#)

Other Radar: [New York State & Northeast/Great Lakes Region](#)

[GOES Image Viewer](#): GOES-East Northeast Sector

Satellite-derived Lightning: [Day Time](#) & [Night Time](#)

Reports: [Public Information Statements](#) --- [Local Storm Reports](#) --- [mPING Spotter Reports](#)

[Past Precipitation](#) - New York State

Northeast Regional Climate Center: [State & Regional Analyses of Precipitation and Snowfall](#)

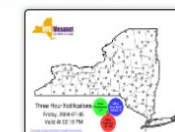
Snowpack Information: [Snow Depth](#) --- [Snow Water Equivalent](#) --- [Estimated Snow Melt Past 24 hours](#)

Hourly Weather Forecast Graphs:

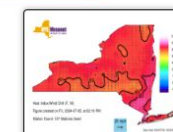
[Albany](#) - [Binghamton](#) - [Buffalo](#) - [Central Park/NYC](#) - [Hunter Mountain](#) - [Massena](#) - [Plattsburgh](#)  
[Poughkeepsie](#) - [Riverhead](#) - [Rochester](#) - [Saranac Lake](#) - [Syracuse](#) - [Utica](#) - [Watertown](#)

Mountain Top Forecasts (Search and Rescue): [Eastern NY](#), [North Country](#) and [Central NY](#)

[NYS Mesonet](#) --- [Maps](#) --- [Situational Awareness Page](#)



[Significant Weather Past 3 hrs](#)



["Feels Like" Temperature](#)



[1 hour Precipitation](#)



[Camera Images & Radar](#)



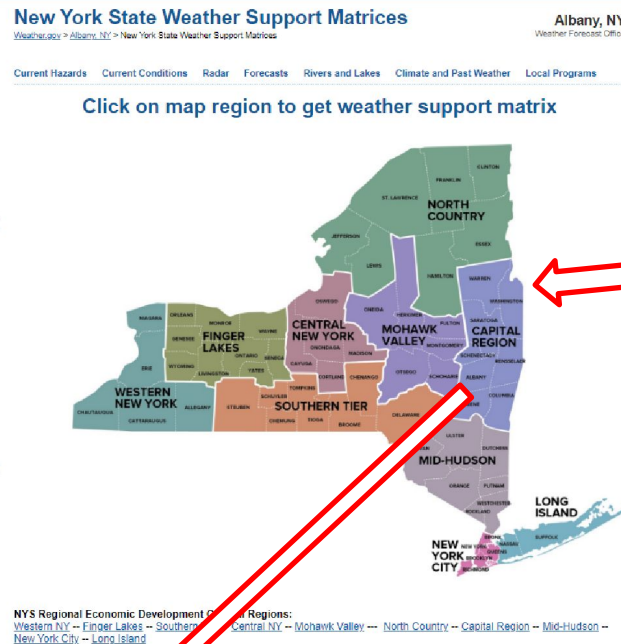
# “Observations/Reports/Forecasts” Tab



Albany, NY  
WEATHER FORECAST OFFICE

## New York State Weather Support Matrices Page

- ✓ The purpose of the page is to assist in planning for locations that host numerous events. The same weather thresholds have been applied to all locations.
- ✓ NOTE: If you have a specific event you need different thresholds for, you need more detailed information and/or weather support, you need to contact the National Weather Service office that serves that area. Requests need to be submitted at least 1 to 2 weeks prior to the event.



## New York State Briefing Graphics

Weather.gov > Albany, NY > New York State Briefing Graphics

Current Hazards | Current Conditions | Radar | Forecasts | Rivers and Lakes | Climate and Past Weather | Local Programs

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Winter	Drought	Fire Weather	Hazards Outlooks	Heat	Cold	Wind Gusts	Great Lakes & Coastal Hazards
1991-2020 Normals		Fact Sheets					

## New York State Weather Support Matrices



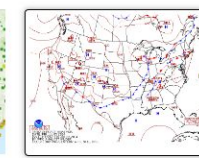
Northeast Radar Loop



National Radar Loop



National Water Prediction Service  
(Users Guide)



Surface Map & Forecast Maps

Other Radar: [New York State](#) & [Northeast/Great Lakes Region](#)

[GOES Image Viewer](#): GOES-East Northeast Sector

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[Past Precipitation](#) - New York State

Northeast Regional Climate Center: [State & Regional Analyses of Precipitation and Snowfall](#)

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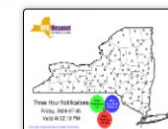
Hourly Weather Forecast Graphs:

[Albany](#) - [Binghamton](#) - [Buffalo](#) - [Central Park/NYC](#) - [Hunter Mountain](#) - [Massena](#) - [Plattsburgh](#)

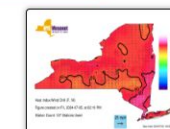
[Poughkeepsie](#) - [Riverhead](#) - [Rochester](#) - [Saranac Lake](#) - [Syracuse](#) - [Utica](#) - [Watertown](#)

Mountain Top Forecasts (Search and Rescue): [Eastern NY](#), [North Country](#) and [Central NY](#)

[NYS Mesonet](#) --- [Maps](#) --- [Situational Awareness Page](#)



Significant Weather Past 3 hrs



Feels Like Temperature



1 hour Precipitation



Camera Images & Radar

## Capital Region Weather Support

Weather.gov > Albany, NY > Capital Region Weather Support

Choose Location: [Albany/Empire State Plaza](#) | [Albany County/Albany](#) | [Columbia County/Chatham](#) | [Greene County/Cairo](#) | [Lake George Village](#) | [Rensselaer County/Schaghticoke](#) | [Saratoga County/Storm Spa](#)



NATIONAL WEATHER SERVICE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## Color Coded Weather Impact Matrix

Weather.gov > Albany, New York > Color Coded Weather Impact Matrix

Save as Image

Impact Matrix for Weather Support (43.4225,-73.7199)  
National Weather Service Albany, New York

	Sat Sep 2 6 pm	Sat Sep 2 8 pm	Sat Sep 2 11 pm	Sun Sep 3 2 am	Sun Sep 3 5 am	Sun Sep 3 8 am	Sun Sep 3 11 am	Sun Sep 3 2 pm	Sun Sep 3 5 pm	Sun Sep 3 8 pm	Sun Sep 3 11 pm	Mon Sep 4 2 am	Mon Sep 4 5 am	Mon Sep 4 8 am	Mon Sep 4 11 am	Mon Sep 4 2 pm	Mon Sep 4 5 pm	Mon Sep 4 8 pm	Mon Sep 4 11 pm	Tue Sep 5 2 am	Tue Sep 5 5 am	Tue Sep 5 8 am	Tue Sep 5 11 am	Tue Sep 5 2 pm	Tue Sep 5 5 pm
Temperature	78°F	70°F	66°F	63°F	60°F	64°F	77°F	84°F	84°F	79°F	68°F	65°F	63°F	67°F	81°F	88°F	88°F	79°F	72°F	68°F	66°F	70°F	83°F	89°F	80°F
Apparent Temp	78°F	79°F	66°F	65°F	62°F	64°F	77°F	80°F	87°F	86°F	71°F	66°F	64°F	67°F	84°F	92°F	94°F	90°F	76°F	70°F	62°F	70°F	88°F	95°F	89°F
Wind Direction	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	W	WSW	WSW	WSW	SW	SW	S	SSW	SSW	SW	NW	W	SSE	ENE	ESE	SE	SSE
Wind Speed	10 mph	9 mph	6 mph	5 mph	3 mph	3 mph	6 mph	7 mph	6 mph	6 mph	4 mph	2 mph	3 mph	3 mph	5 mph	6 mph	6 mph	3 mph	3 mph	3 mph	3 mph	3 mph	6 mph	6 mph	5 mph
Wind Gust	16 mph	14 mph	9 mph	8 mph	6 mph	6 mph	7 mph	10 mph	10 mph	10 mph	8 mph	5 mph	5 mph	6 mph	7 mph	8 mph	8 mph	6 mph	5 mph	5 mph	5 mph	5 mph	7 mph	10 mph	10 mph
Chance of Precipitation	19%	27%	23%	7%	2%	1%	0%	1%	1%	1%	2%	3%	4%	4%	3%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Thunderstorms	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Sky Cover	25%	25%	50%	10%	21%	23%	9%	19%	22%	27%	14%	28%	42%	45%	26%	15%	13%	10%	10%	13%	15%	22%	15%	17%	18%

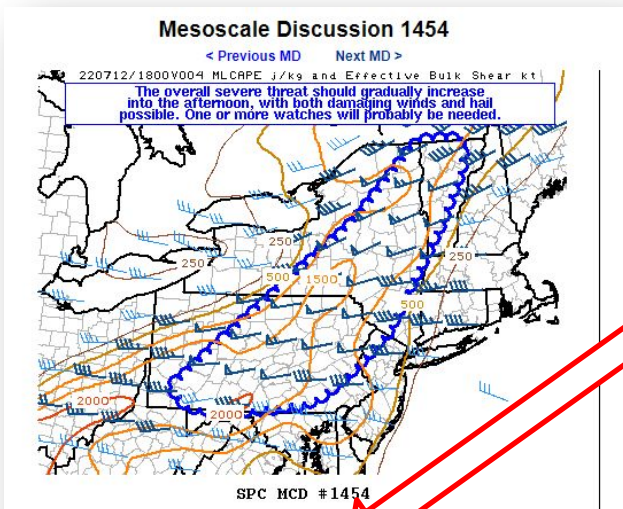
Impact Level	None	Low	Medium	High	Extreme
Temperature	<=80°F	80 to 85°F	85 to 90°F	90 to 95°F	>95°F
Apparent Temp	<=85°F	85 to 90°F	90 to 95°F	95 to 100°F	>100°F
Wind Direction	All Values				
Wind Speed	<=10 mph	10 to 15 mph	15 to 25 mph	25 to 35 mph	>35 mph
Wind Gust	<=15 mph	15 to 25 mph	25 to 35 mph	35 to 45 mph	>45 mph
Chance of Precipitation	<=15%	15 to 30%	30 to 50%	50 to 70%	>70%
Thunderstorms	None	Isolated	Scattered	Likely	Numerous
Sky Cover	<=30%	30 to 50%	50 to 70%	>70%	



# “Thunderstorms/Tornadoes” Tab



Albany, NY  
WEATHER FORECAST OFFICE



✓ **Severe Weather (Mesoscale) Discussions** targets areas of expected and/or on-going severe weather

✓ **Shows the threat for severe thunderstorms** including the specific threats for wind, hail and tornadoes and the severe outlook discussions can be accessed ✕

Mesoscale Discussion 1454  
NWS Storm Prediction Center Norman OK  
1040 AM CDT Tue Jul 12 2022

Areas affected...Portions of northern NY/VT into PA and far northern NJ

Concerning...Severe potential...Watch possible

Valid 121540Z - 121745Z

Probability of Watch Issuance...60 percent

SUMMARY...The overall severe threat should gradually increase into the afternoon, with both damaging winds and hail possible. One or more Severe Thunderstorm Watches will probably be needed.

DISCUSSION...An upper trough evident on water vapor satellite imagery over the Great Lakes and Ontario/Quebec will continue eastward across the Northeast and Mid-Atlantic today. Rather strong mid-level flow of 45-55+ kt will accompany the upper trough, and aid in strong effective bulk shear and updraft organization. Partly to mostly sunny conditions are ongoing across much of NY/VT into PA. Continued diurnal heating will likely result in surface temperatures increasing into well into the 80s and lower 90s later this afternoon. MLCAPE around 1000-2000 J/kg should develop ahead of a poorly defined cold front. Weak convergence along/ahead of this boundary and ascent associated with the upper trough will aid robust thunderstorm development over the next couple of hours. Deep-layer shear of 45-50+ kt will support some potential for supercells with both a hail and damaging wind threat. Still, most guidance suggests that a line of convection should eventually consolidate with eastward extent into eastern NY/PA later this afternoon. If this evolution occurs, then damaging winds should become the primary severe hazard. One or more Severe Thunderstorm Watches will probably be needed from parts of northern NY/VT into PA and vicinity to address this gradually increasing severe threat.

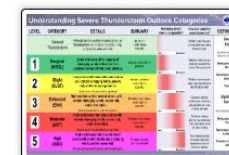
Watches-Warnings-Advisories   Observations/Reports/Forecasts   **Thunderstorms/Tornadoes**   Precipitation/Flooding Threat

Winter   Drought   Fire Weather   Hazards Outlooks   Heat   Cold   Wind Gusts   Great Lakes & Coastal Hazards

1991-2020 Normals   Fact Sheets

Storm Prediction Center

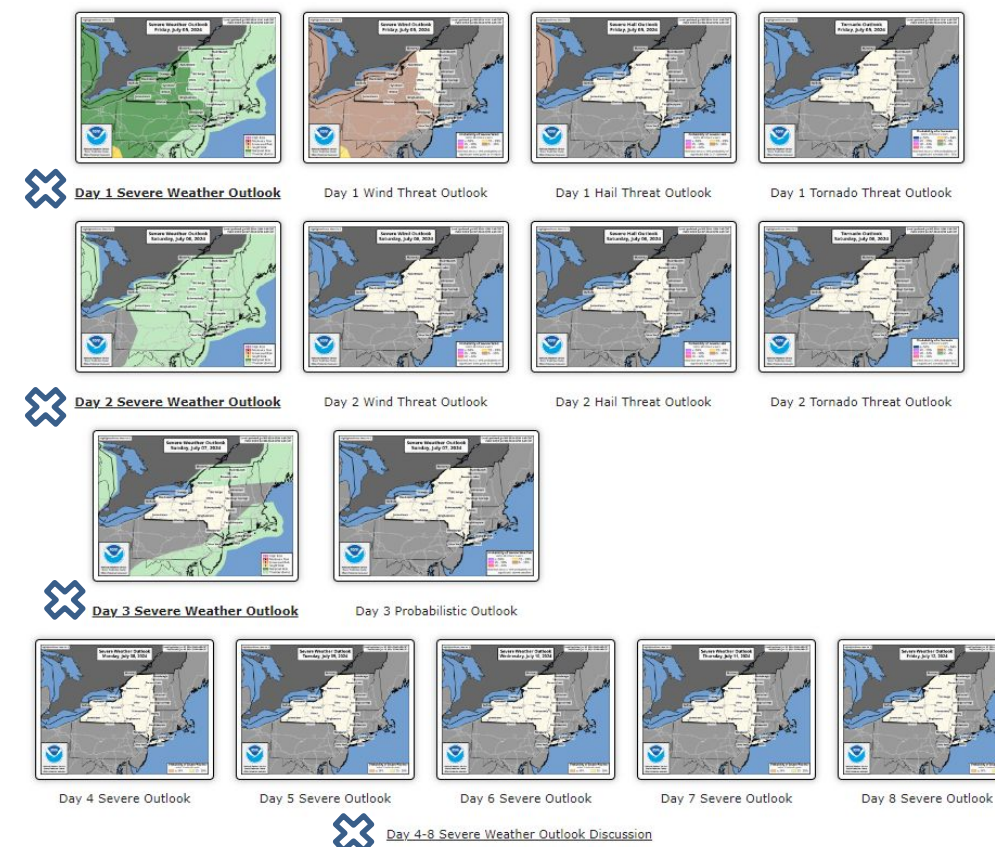
Risk Categories



Severe Weather Discussion



Today's Storm Reports

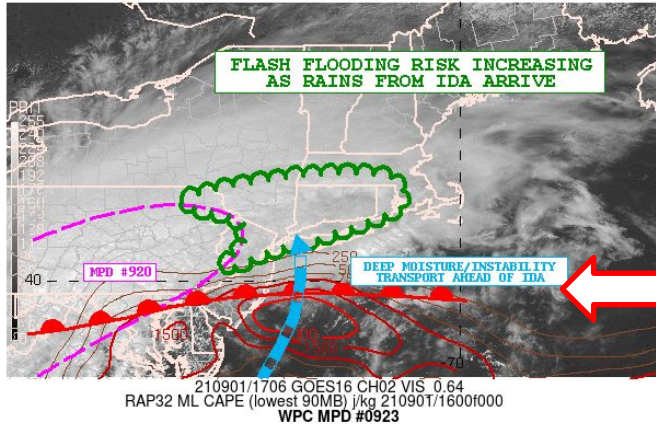




# “Precipitation/Flooding Threat” Tab



Albany, NY  
WEATHER FORECAST OFFICE



Mesoscale Precipitation Discussion #0923  
NWS Weather Prediction Center College Park MD  
113 PM EDT Wed Sep 01 2021

Areas affected...Portions of the Northern Mid-Atlantic...Southeast NY and Southern New England

Concerning...Heavy rainfall...Flash flooding likely

Valid 011712Z - 011930Z

SUMMARY...Heavy rainfall overspreading areas of far northeast PA, southeast NY, northern NJ and southern New England will increase in intensity over the next few hours, with areas of flash flooding becoming increasingly likely with time.

DISCUSSION...The latest satellite and radar imagery indicates an expansive area of steady moderate to heavy rain along with some embedded stronger convective elements impacting areas of far northeast PA, northern NJ, southeast NY and southern New England. All of this activity is associated with what is now Post-T.C. Ida.

Very strong frontogenetical forcing and moisture transport is lifting up across these areas, and with time there will be a notable increase in the pooling of diurnally aided instability along a warm front over the central Mid-Atlantic region that will be advancing northeast toward southern New England going through the afternoon hours. This will be aided largely by a strengthening south-southwest low-level jet ahead of Ida's extratropical low center.

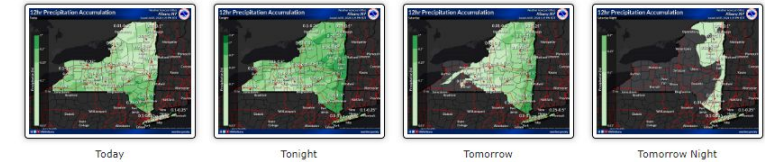
Over the next few hours, there will be an increase in the rainfall intensity and coverage, and the expectation is that there will be more numerous pockets of locally concentrated convection with very heavy rainfall rates.

Expect some hourly rainfall rates to begin to approach 2 inches/hour locally, and given the locally heavy rain that has occurred over the last few hours, some areas of flash flooding will be gradually likely heading toward the mid to late-afternoon hours.

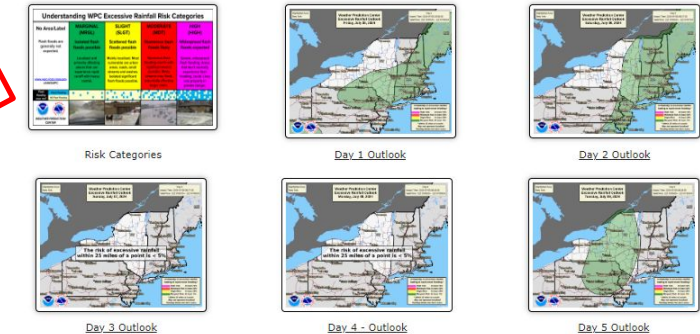
- ✓ **Precipitation Forecast** maps are updated every time NWS Albany updates their forecast.
- ✓ **Excessive Rainfall Outlook** shows the probability that the forecasted rainfall will exceed flash flood guidance. If exceeded flooding would be expected to occur.
- ✓ **Heavy Rainfall Discussions** targets areas of expected and/or on-going flash flooding.
- ✓ **River Forecasts** routinely updated each day late morning and as needed when flooding is expected and/or occurring.
- ✓ **Significant River Flood Outlook** This is not intended to depict all areas of minor flooding or small-scale events such as localized flooding and/or flash flooding.

Watches-Warnings-Advisories		Observations/Reports/Forecasts		Thunderstorms/Tornadoes		Precipitation/Flooding Threat
Winter	Drought	Fire Weather	Hazards Outlooks	Heat	Cold	Wind Gusts
1991-2020 Normals		Fact Sheets		Great Lakes & Coastal Hazards		

Precipitation Forecasts - New York State

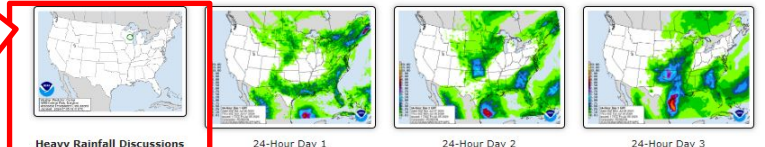


Excessive Rainfall Outlooks - Weather Prediction Center

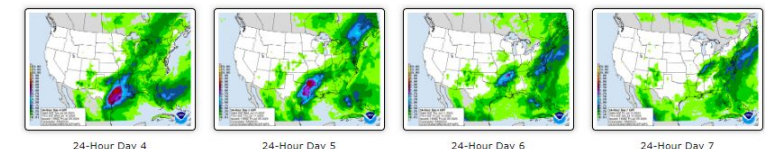


[Understanding Excessive Rainfall Outlooks](#)  
[Interactive Excessive Rainfall Outlook Page](#)

Precipitation Forecasts - Weather Prediction Center



Probabilistic Precipitation Guidance - Days 1-3





## ✓ Expected Snowfall - Official Forecast

This snowfall amount is determined by NWS forecasters to be the most likely outcome based on evaluation of data from computer models, satellite, radar, and other observations.

## ✓ High End Snowfall Amount

Depicts a reasonable upper-end or maximum snowfall amount for the time period shown on the graphic. This higher amount is an unlikely scenario, with only a 1 in 10 chance that more snow will fall, and a 9 in 10 chance that less snow will fall. This number can help serve as an upper-end or reasonable maximum scenario for planning purposes.

## ✓ Low End Snowfall Amount

Depicts a reasonable lower-end or minimum snowfall amount for the time period shown on the graphic. This lower amount is an unlikely scenario with a 9 in 10 chance that more snow will fall, and only a 1 in 10 chance that less snow will fall. This number can help serve as a lower-end or reasonable minimum scenario for planning purposes.

✓ **NOTE:** The greater the difference between the “High End” and “Low End” amounts, the greater uncertainty there is in the snowfall forecast.

## ✓ New York State Day 1, Day 2 and Day 3 snowfall extremes by county

There is a link to National Centers for Environmental Information (NCEI) to get the data and if that’s not working there is a link to a pdf file with the data.

Go to our Winter Weather Forecasts page to get more probabilistic snowfall products: [weather.gov/aly/winter](https://www.weather.gov/aly/winter)

### New York State Briefing Graphics

[Weather.gov](https://www.weather.gov/aly/winter) > [Albany, NY](https://www.weather.gov/aly/winter) > New York State Briefing Graphics

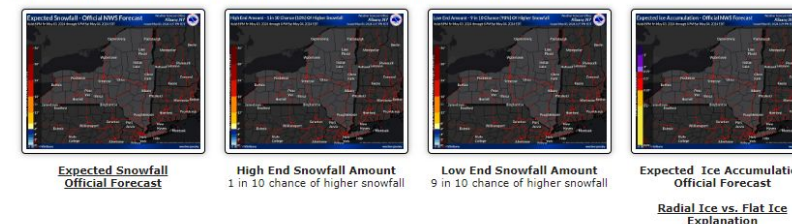
Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

<a href="#">Watches-Warnings-Advisories</a>		<a href="#">Observations/Reports/Forecasts</a>		<a href="#">Thunderstorms/Tornadoes</a>		<a href="#">Precipitation/Flooding Threat</a>	
<a href="#">Winter</a>	<a href="#">Drought</a>	<a href="#">Fire Weather</a>	<a href="#">Hazards Outlooks</a>	<a href="#">Heat</a>	<a href="#">Cold</a>	<a href="#">Wind Gusts</a>	<a href="#">Great Lakes &amp; Coastal Hazards</a>
<a href="#">1991-2020 Normals</a>		<a href="#">Fact Sheets</a>					

#### [New York State Thruway Weather Support Matrices](#)

#### Snowfall Forecast & Probabilistic Graphics / Ice Accumulation Forecast - New York State



[Winter Weather Forecast Discussion - WPC](#)

[Probabilistic Winter Precipitation Guidance: Days 1-3](#)

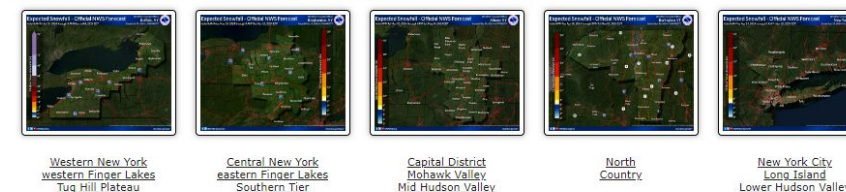
[Winter Storm Severity Index - WSSI](#)

[Experimental Winter Storm Outlook: Days 1-4](#)

[Probabilistic Winter Storm Severity Index - PWSSI](#)

[Days 4-7 Winter Weather Outlook](#)

#### Snowfall Forecast & Probabilistic Graphics by NWS Office



[New York State Day 1, Day 2 & Day 3 Snow Extremes by County -- If NCEI page down use this link](#)



## New York State Thruway Weather Support Matrices Page

✓ The purpose of the page is to assist in the planning and for operations during winter weather. The same weather thresholds have been applied to all locations and were coordinated by the National Weather Service and Thruway.

✓ A matrix can be created for each Thruway Exit for the Buffalo including the Niagara Thruway, Syracuse and Albany divisions and selected exits/locations in the New York division (which was coordinated with the New York Division).

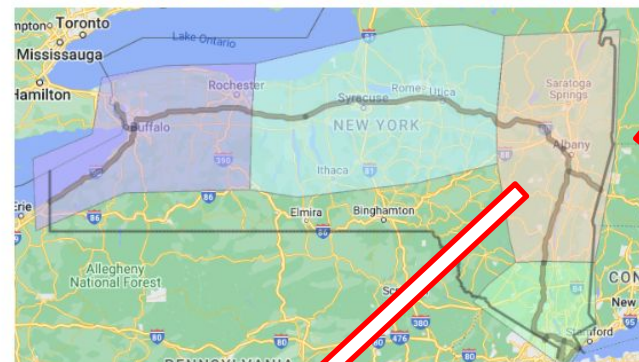
### NYS Thruway Weather Support Matrices

[Weather.gov > Albany, NY > NYS Thruway Weather Support Matrices](#)

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Click on map region to get weather support matrix



NYS Thruway Divisions:



NATIONAL WEATHER SERVICE  
Thruway - Albany Division - Weather Support Matrices  
[Weather.gov > Albany, NY > Thruway - Albany Division - Weather Support Matrices](#)

[Exit 26/Canajoharie-Sharon Springs](#) [Exit 28/Tonawanda-Fallsville](#) [Exit 37/Amsterdam](#) [Exit 36/Schenectady-Scotia](#) [Exit 25A/Schenectady-1-88](#) [Exit 25/Schenectady-1-88](#) [Exit 24/Albany-1-87 & 1-90](#) [Exit 23/Albany-Tony-Romano-1-787](#) [Exit 22/Selkirk](#) [Exit 21A/Hess-Tamples](#)  
[Exit 21B/Conesville-Ravena](#) [Exit 22/Catskill-Cain](#) [Exit 20/Saugerties-Woodstock](#) [Exit 19/Kingston](#) [Exit 81/Albany-Hudson-Rensselaer](#) [Exit 82/Taconic Parkway](#) [Exit 83/Auchteritz-New Lebanon](#)

NATIONAL WEATHER SERVICE  
Color Coded Weather Impact Matrix  
[Weather.gov > Albany, NY > Color Coded Weather Impact Matrix](#)

Albany, New York  
Weather Forecast Office

Impact Matrix for Weather Support (42,696,73,8449)  
National Weather Service Albany, New York

	Tue Mar 19 8 am	Tue Mar 19 11 am	Tue Mar 19 2 pm	Tue Mar 19 5 pm	Tue Mar 19 11 pm	Wed Mar 20 2 am	Wed Mar 20 5 am	Wed Mar 20 8 am	Wed Mar 20 11 am	Wed Mar 20 2 pm	Wed Mar 20 5 pm	Wed Mar 20 8 pm	Wed Mar 20 11 pm	Thu Mar 21 2 am	Thu Mar 21 5 am	Thu Mar 21 8 am	Thu Mar 21 11 am	Thu Mar 21 2 pm	Thu Mar 21 5 pm	Thu Mar 21 8 pm	Thu Mar 21 11 pm	Fri Mar 22 2 am	Fri Mar 22 5 am	Fri Mar 22 8 am
Temperature	32°F	31°F	30°F	29°F	31°F	35°F	34°F	33°F	32°F	31°F	30°F	29°F	28°F	27°F	26°F	25°F	24°F	23°F	22°F	21°F	20°F	19°F	18°F	17°F
Wind Chill	19°F	21°F	27°F	32°F	32°F	29°F	27°F	26°F	25°F	24°F	23°F	22°F	21°F	20°F	19°F	18°F	17°F	16°F	15°F	14°F	13°F	12°F	11°F	10°F
Chance of Precipitation	30%	32%	35%	35%	32%	32%	32%	40%	37%	29%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
3 hour Snowfall	Trace	0 in	0 in	0 in	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace
3 hour Freezing Rain	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in
Wind Direction	NW	WNW	WNW	W	SSW	SSW	S	S	S	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW
Wind Speed	14 mph	14 mph	13 mph	14 mph	9 mph	7 mph	8 mph	8 mph	8 mph	12 mph	15 mph	17 mph	17 mph	18 mph	21 mph	23 mph	24 mph	23 mph	22 mph	20 mph	16 mph	15 mph	15 mph	13 mph
Wind Gust	26 mph	25 mph	23 mph	20 mph	13 mph	14 mph	13 mph	15 mph	20 mph	25 mph	28 mph	30 mph	30 mph	31 mph	32 mph	34 mph	34 mph	30 mph	27 mph	24 mph	20 mph	18 mph	18 mph	15 mph
Sky Cover	77%	66%	78%	75%	66%	62%	75%	66%	66%	77%	75%	66%	62%	66%	57%	58%	54%	48%	46%	42%	37%	27%	19%	17%

Impact Level	None	Low	Medium	High	Extreme
Temperature	>>35°F	35 to 32°F	32 to 27°F	23 to 5°F	<-5°F
Wind Chill	>>0°F	0 to -15°F	-15 to -25°F	-25 to -35°F	<-35°F
Chance of Precipitation	<<15%	15 to 30%	30 to 50%	50 to 70%	>70%
3 hour Snowfall	<<0.1 in	0.1 to 1 in	1 to 3 in	3 to 5 in	>5 in
3 hour Freezing Rain	<<0.01 in	0 to 0.01 in	0.01 to 0.1 in	0.1 to 0.25 in	>0.25 in
Wind Direction	All Values				
Wind Speed	<<15 mph	15 to 25 mph	25 to 35 mph	35 to 45 mph	>45 mph
Wind Gust	<<15 mph	15 to 25 mph	25 to 35 mph	35 to 45 mph	>45 mph
Sky Cover	<<50%	50 to 50%	50 to 70%	>70%	

## New York State Briefing Graphics

[Weather.gov > Albany, NY > New York State Briefing Graphics](#)

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

[Watches-Warnings-Advisories](#) [Observations/Reports/Forecasts](#) [Thunderstorms/Tornadoes](#) [Precipitation/Flooding Threat](#)  
[Winter](#) [Drought](#) [Fire Weather](#) [Hazards Outlooks](#) [Heat](#) [Cold](#) [Wind Gusts](#) [Great Lakes & Coastal Hazards](#)  
[1991-2020 Normals](#) [Fact Sheets](#)

## New York State Thruway Weather Support Matrices

### Snowfall Forecast & Probabilistic Graphics / Ice Accumulation Forecast - New York State



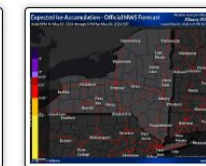
Expected Snowfall  
Official Forecast



High End Snowfall Amount  
1 in 10 chance of higher snowfall



Low End Snowfall Amount  
9 in 10 chance of higher snowfall



Expected Ice Accumulation  
Official Forecast

[Radial Ice vs. Flat Ice Explanation](#)

[Winter Weather Forecast Discussion - WPC](#)

[Probabilistic Winter Precipitation Guidance: Days 1-3](#)

[Winter Storm Severity Index - WSSI](#)

[Experimental Winter Storm Outlook: Days 1-4](#)

[Probabilistic Winter Storm Severity Index - PWSSI](#)

[Days 4-7 Winter Weather Outlook](#)

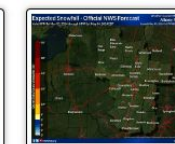
### Snowfall Forecast & Probabilistic Graphics by NWS Office



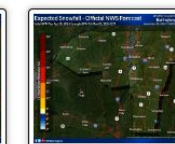
Western New York  
western Finger Lakes  
Tug Hill Plateau



Central New York  
eastern Finger Lakes  
Southern Tier



Capital District  
Mohawk Valley  
Mid Hudson Valley



North  
Country



New York City  
Long Island  
Lower Hudson Valley

[New York State Day 1, Day 2 & Day 3 Snow Extremes by County --- If NCEI page down use this link](#)



# “Drought” Tab



Albany, NY  
WEATHER FORECAST OFFICE

## U.S. Drought Monitor

- ❑ Released every Thursday
- ❑ Shows the parts of the United States that are in drought
- ❑ Uses five classifications: abnormally dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought: moderate (D1), severe (D2), extreme (D3) and exceptional (D4).
- ❑ The Monthly and seasonal outlooks are issued monthly

## Northeast Drought Early Warning System (DEWS) Dashboard

- ❑ A drought early warning system (DEWS) utilizes new and existing networks of federal, tribal, state, local, and academic partners to make climate and drought science accessible and useful for decision makers and stakeholders.
- ❑ **DEWS: A Regional Approach**  
Drought and its impacts vary from region to region. Developing and implementing regional DEWS allows for responsiveness to particular geographic and hydrologic circumstances, as well as value-added information needs specific to stakeholders in the respective areas.

### The Importance of Drought Early Warning Systems (DEWS)

Allows for early drought detection

Allows for proactive (mitigation) and reactive (emergency) responses

“Triggers” actions within a drought plan

Provides information for decision support

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

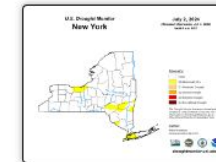
Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

[Watches-Warnings-Advisories](#) [Observations/Reports/Forecasts](#) [Thunderstorms/Tornadoes](#) [Precipitation/Flooding Threat](#)  
[Winter](#) [Drought](#) [Fire Weather](#) [Hazards Outlooks](#) [Heat](#) [Cold](#) [Wind Gusts](#) [Great Lakes & Coastal Hazards](#)  
[1991-2020 Normals](#) [Fact Sheets](#)

[National Integrated Drought Information System \(NIDIS\) - Drought.gov - New York State](#)

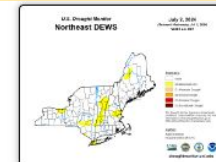
[Current Conditions \(including streamflow and soil moisture\)](#) - [Outlooks & Forecasts](#) - [Historical Conditions](#) - [Drought Resources](#)



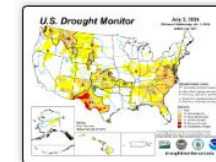
Current Drought Conditions



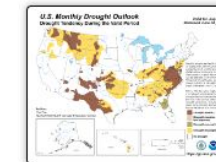
Drought Class Change



Northeast DEWS Dashboard



U.S. Drought Monitor



Monthly Drought Outlook



Seasonal Drought Outlook

[What is the U.S. Drought Monitor?](#)

[What is Drought?](#)

[National Integrated Drought Information System \(NIDIS\)](#) is a multi-agency partnership that coordinates drought monitoring, forecasting, planning, and information at national, state, and local levels across the country.



# “Fire Weather” Tab



Albany, NY  
WEATHER FORECAST OFFICE

- ✓ **Spot Forecasts** are issued by NWS forecast offices in support of wildfire management, and natural resource management. These forecasts aid the land management and fire control agencies in protecting life and property during wildland fires, hazardous fuels reduction, and rehabilitation and restoration of natural resources. Spot forecasts are also issued for hazardous materials incidents and other threats to public safety.
- ✓ **Fire Weather Watches and Red Flag Warnings** are issued by NWS forecast offices. These are issued when the combination of dry fuels and weather conditions support extreme fire danger and/or fire behavior. These conditions alert land management agencies to the potential for widespread new ignitions or control problems with existing fires, both of which could pose a threat to life and property.
- ✓ **Fire Weather Outlooks** are issued by the Storm Prediction Center. The outlooks are intended to delineate areas where pre-existing fuel conditions, combined with forecast weather conditions during the next 7 days, will result in a significant threat for the ignition and/or spread of wildfires. It's designed for use in the NWS, as well as other federal, state, and local government agencies.
- ✓ **Minimum Relative Humidity (Min RH) Forecasts and Maximum Wind Gust (Max Gust) Forecasts Days 1-7** are updated every time NWS Albany updates their forecast.

Watches-Warnings-Advisories	Observations/Reports/Forecasts	Thunderstorms/Tornadoes	Precipitation/Flooding Threat
Winter	Drought	<b>Fire Weather</b>	Hazards Outlooks
1991-2020 Normals	Fact Sheets	Heat	Cold
		Wind Gusts	Great Lakes & Coastal Hazards

[National Weather Service: Spot Forecast Request Page](#)



Fire Weather Watches and Red Flag Warnings are issued when the combination of dry fuels and weather conditions support extreme fire danger and/or fire behavior.

New York State  
Fire Danger Map

Fire Weather Watch  
Red Flag Warning

Fire Weather Services Annual  
Operating Plan for New York State



Day 1 - Min RH Forecast



Day 1 - Max Gust Forecast



Day 1 Fire Weather Outlook



Day 2 - Min RH Forecast



Day 2 - Max Gust Forecast



Day 2 Fire Weather Outlook



Day 3 - Min RH Forecast



Day 3 - Max Gust Forecast



Day 3 Fire Weather Outlook



Day 4 - Min RH Forecast



Day 4 - Max Gust Forecast



Day 4 Fire Weather Outlook



Day 5 - Min RH Forecast



Day 5 - Max Gust Forecast



Day 5 Fire Weather Outlook



- ✓ **National 7-Day Significant Potential** The goal of this guidance is to help the regional and national resource manager make effective and efficient use of available resources. “Significant Fire Potential” is defined as “the likelihood that a wildland fire event will require mobilization of additional resources from outside the area in which the fire situation originates”. It is crucial to understand that although weather is a major contributor to Significant Fire Potential, this product is not a weather forecast. It is a forecast of Significant Fire Potential only, which is a function of fuel conditions, weather, and resource availability. It assesses the daily probability for occurrence of a new large fire and/or the daily potential for significant new growth on existing fires.

- ✓ **National Significant Wildland Fire Potential Outlooks** are issued by Predictive Services National Interagency Fire Center. The significant wildland fire potential forecasts represent the cumulative forecasts of the ten Geographic Area Predictive Services units and the National Predictive Services unit. The outlook identifies areas by month for the next four months with above, below, and near normal significant fire potential. The main objectives of these outlooks are to improve information available to fire management decision makers. These assessments are designed to inform decision makers for proactive wildland fire management, thus better protecting lives and property, reducing firefighting costs and improving firefighting efficiency. They are updated on the first of each month or first work day of each month.



Day 6 - Min RH Forecast



Day 6 - Max Gust Forecast



Day 6 Fire Weather Outlook



Day 7 - Min RH Forecast



Day 7 - Max Gust Forecast



Day 7 Fire Weather Outlook

[Understanding the Storm Prediction Center Fire Weather Outlooks](#)

## National 7-Day Significant Fire Potential



Day 1 Significant Fire Potential



Day 2 Significant Fire Potential



Day 3 Significant Fire Potential



Day 4 Significant Fire Potential



Day 5 Significant Fire Potential



Day 6 Significant Fire Potential



Day 7 Significant Fire Potential

These products are updated each weekday, usually by mid-afternoon Mountain time.

[Explanation of the 7-Day Significant Fire Potential](#)

## National Significant Wildland Fire Potential Outlooks



Current Month Outlook



Next Month Outlook



Month 3 Outlook



Month 4 Outlook



# “Hazards OutlookS” Tab



Albany, NY  
WEATHER FORECAST OFFICE

## 3-7 Day and 8-14 Day Hazards Outlooks

- ❑ The hazard areas are based off of products issued from the Weather Prediction Center (WPC), the Storm Prediction Center (SPC), the Climate Prediction Center (CPC), along with medium range numerical model guidance.
- ❑ The graphic and discussion are issued once per day and are available by 3:30pm EST/4:30pm EDT Monday through Friday only so please note that the information over the weekend may be out of date.
- ❑ The intended audience for this product includes emergency managers, weather forecasters, planners and managers in the public and private sectors, as well as the general public.

## Temperature and Precipitation Outlooks

- ❑ Issued by the Climate Prediction Center
- ❑ 6-10 Day and 8-14 Days outlooks are issued daily between 3-4 pm
- ❑ Week 3-4 Outlooks are issued on Fridays between 3-4 pm
- ❑ Monthly Outlooks are issued mid-month and are updated at the end of the month.

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Watches-Warnings-Advisories		Observations/Reports/Forecasts		Thunderstorms/Tornadoes		Precipitation/Flooding Threat	
Winter	Drought	Fire Weather	Hazards Outlooks	Heat	Cold	Wind Gusts	Great Lakes & Coastal Hazards
1991-2020 Normals		Fact Sheets					

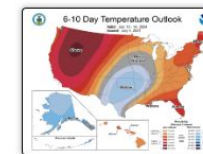
### Experimental Graphical Hazardous Weather Outlook



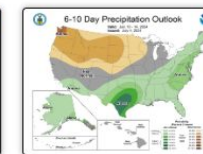
3-7 Day Hazards Outlook  
Note: Only produced Monday-Friday



8-14 Day Hazards Outlook  
Note: Only produced Monday-Friday



6-10 Day Temperature Outlook  
(Interactive Map)



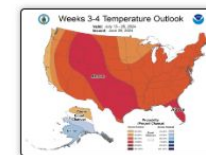
6-10 Day Precipitation Outlook  
(Interactive Map)



8-14 Day Temperature Outlook  
(Interactive Map)



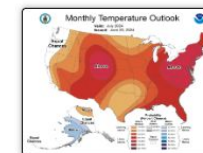
8-14 Day Precipitation Outlook  
(Interactive Map)



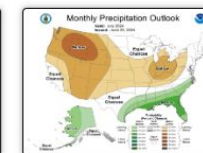
Week 3-4 Temperature Outlook



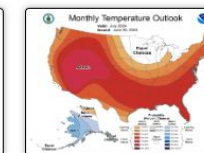
Week 3-4 Precipitation Outlook



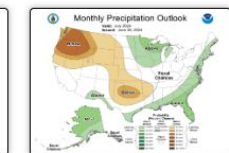
Monthly Temperature Outlook



Monthly Precipitation Outlook



Updated Temperature Outlook



Updated Precipitation Outlook

[Temperature and Precipitation Outlooks: Calculating Category Probabilities](#)



## Highs, Heat Index and WBGT graphics are updated every time NWS Albany updates their forecast

- **Heat Index** is measure of human discomfort due to combined heat and humidity.
- It measures the increased physiological heat stress and discomfort associated with higher than comfortable humidities.
- It does not consider the effects of air movement (wind speed) or exposure to sunshine on the degree of discomfort or stress.

- **Wet Bulb Globe Temperature (WBGT)** is a measure of the heat stress in direct sunlight, which takes into account: temperature, humidity, wind speed, sun angle and cloud cover (solar radiation).

### Comparing WBGT and Heat Index

	WBGT	HEAT INDEX
Measured in the sun	●	●
Measured in the shade	●	●
Uses temperature	●	●
Uses relative humidity	●	●
Uses wind	●	●
Uses cloud cover	●	●
Uses sun angle	●	●

➡ **NWS HeatRisk** serves as another NWS tool that can be used to protect lives and property from the potential risks of excessive heat, being especially useful for those who are more easily affected by heat or those who provide support to those communities of heat-vulnerable individuals.

NWS HeatRisk - Understanding NWS HeatRisk

Heat Index --- Wet Bulb Globe Temperature

NWS Heat Tool Reference Guide



Today - Highs



Tomorrow - Highs



Day 3 - Highs



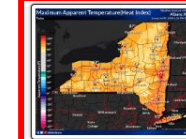
Day 4 - Highs



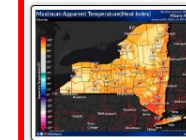
Day 5 - Highs



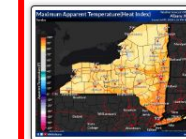
Day 6 - Highs



Today - Heat Index



Tomorrow - Heat Index



Day 3 - Heat Index



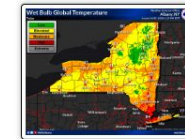
Day 4 - Heat Index



Day 5 - Heat Index



Day 6 - Heat Index



Today - WBGT



Tomorrow - WBGT



Day 3 - WBGT



Day 4 - WBGT



Day 5 - WBGT



Day 6 - WBGT



## Lows and Wind Chill graphics are updated every time NWS Albany updates their forecast

- The wind chill is the effect of the wind on people and animals.
- The wind chill temperature is based on the rate of heat loss from exposed skin caused by wind and cold and is to give you an approximation of how cold the air feels on your body.
- As the wind increases, it removes heat from the body, driving down skin temperature and eventually the internal body temperature. Therefore, the wind makes it FEEL much colder.





These graphics are updated every time NWS Albany updates their forecast

They show the maximum forecast wind gust for the time period

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Watches-Warnings-Advisories

Observations/Reports/Forecasts

Thunderstorms/Tornadoes

Precipitation/Flooding Threat

Winter

Drought

Fire Weather

Hazards Outlooks

Heat

Cold

Wind Gusts

Great Lakes & Coastal Hazards

1991-2020 Normals

Fact Sheets



Today



Tonight



Tomorrow



Tomorrow Night



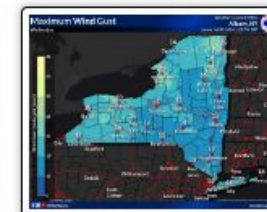
Day 3



Day 4



Day 5



Day 6



Day 7



# “Great Lakes & Coastal Hazards” Tab



Albany, NY  
WEATHER FORECAST OFFICE

Tab gives access to both the  
**coastal ocean waters** and  
**Great Lakes** forecasts and  
hazards in one location

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Watches-Warnings-Advisories			Observations/Reports/Forecasts			Thunderstorms/Tornadoes		Precipitation/Flooding Threat
Winter	Drought	Fire Weather	Hazards Outlooks		Heat	Cold	Wind Gusts	Great Lakes & Coastal Hazards
1991-2020 Normals		Fact Sheets						



Marine Watch-Warning-Advisory

NWS New York NY:  
[Coastal Flooding Threat Display](#)  
[Marine Weather Page](#)

[Stevens Institute of Technology](#)  
[Hudson River Currents & Temperatures](#)

Great Lakes:  
[Forecasts](#)  
[Beach Hazards](#)  
[Ice Products](#)



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These maps show the  
1991-2020 Normal  
Precipitation and  
Snowfall for across  
New York State

## New York State Briefing Graphics

[Weather.gov](#) > [Albany, NY](#) > New York State Briefing Graphics

Albany, NY  
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

[Watches-Warnings-Advisories](#)

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[Precipitation/Flooding Threat](#)

[Winter](#)

[Drought](#)

[Fire Weather](#)

[Hazards Outlooks](#)

[Heat](#)

[Cold](#)

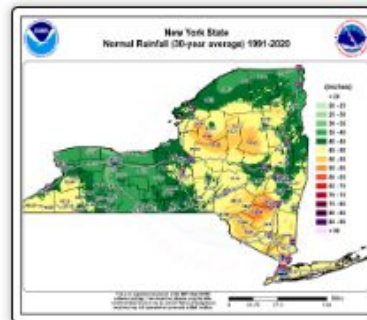
[Wind Gusts](#)

[Great Lakes & Coastal Hazards](#)

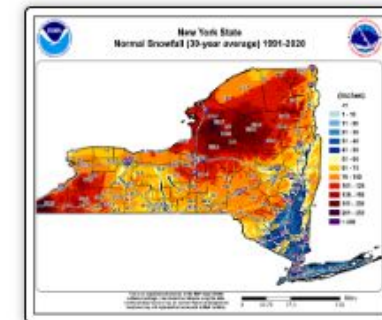
[1991-2020 Normals](#)

[Fact Sheets](#)

### 1991-2020 Normals: Precipitation and Snowfall



Precipitation



Snowfall





This tab provides links to fact sheets which include criteria specific to New York State and to descriptions/explanations of NWS outlooks and products as well as to NWS social media infographics

Wireless Emergency Alerts & Impact-based Warnings		
Warning Type	Tag Selection Notes	Wireless Emergency Alert?
Tornado with no tag		Yes
Tornado with Considerable tag	Should only be selected when reports and/or radar signatures give high confidence for the presence of a possibly strong or violent tornado occurring in a supportive environment	Yes
Tornado with Catastrophic tag	Tornado is 100% confirmed AND destructive tornado/catastrophic potential ***Use of Tornado Emergency Should Be A Consensus Team Decision***	Yes (Emergency Language)
Severe Thunderstorm with no tag	Wind ≥ 50 MPH and/or Hail ≥ 1.00" (US quarter)	No
Severe Thunderstorm with Considerable tag	Wind ≥ 70 MPH and/or Hail ≥ 1.75" (golf ball)	No
Severe Thunderstorm with Destructive tag	Wind ≥ 80 MPH and/or Hail ≥ 2.75" (baseball)	Yes
Flash Flood with no tag		No
Flash Flood with Considerable tag	Use rarely, when there are indications flash flooding capable of unusual severity or impact is imminent or ongoing and urgent action is needed to protect lives and property.	Yes
Flash Flood with Catastrophic tag	This must be coordinated with emergency management officials before issuing unless communications to those officials are down. Exceedingly rare, violent flash floods which threaten lives and cause disastrous damage when floodwaters are placing or will place people in life-threatening situations by rapidly rising to levels rarely, if ever, seen. ***Use of Flash Flood Emergency Should Be A Consensus Team Decision***	Yes (Emergency Language)
Snow Squall Warning with no tag	To be used frequently for snow squall conditions, but mitigating actions, combined with societal context, will reduce the threat to safe travel.	No
Snow Squall Warning with Significant tag	Used only when snow squalls pose a substantial threat to safe travel.	Yes
Storm Surge Warning	Depicts areas where danger of life-threatening inundation from rising water moving inland from the shoreline (storm surge) is expected within 36 hours.	Yes

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### National Weather Service

Definitions for New York State

#### FLOODING

**FLOOD ADVISORY /BE AWARE/** - issued when flooding is not expected to be bad enough to issue a warning. However, it may cause significant inconvenience, and if caution is not exercised, it could lead to situations that may threaten life and/or property.

**FLOOD WATCH /BE PREPARED/** - issued when conditions are favorable for flooding. It does not mean flooding will occur, but it is possible.

**FLOOD WARNING /TAKE ACTION/** - issued when flooding is imminent or already happening.

**FLASH FLOOD WARNING /TAKE ACTION/** - issued when flooding is imminent or occurring. A flash flood is a sudden violent flood that can take from minutes to hours to develop. It is even possible to experience a flash flood in areas not immediately receiving rain.

Don't underestimate the power of water!

6 inches of fast-moving water can knock you and carry away an adult.

12 inches of fast-moving water can carry away a small car.

18-24 inches of fast-moving water can carry away most large SUVs, vans and trucks.

**MINOR FLOODING** - minimal or no property damage, but possibly some public threat or inconvenience.

**MODERATE FLOODING** - some inundation of structures and roads near streams/riders; some evacuations of people and/or transfer of property to higher ground elevations necessary.

**MAJOR FLOODING** - extensive inundation of structures and roads; significant evacuations of people and/or transfer of property to higher elevations.

### National Weather Service

Definitions for New York State

#### WINTER WEATHER

**WINTER STORM WATCH:** severe winter conditions possible

**WINTER STORM WARNING:** severe winter conditions expected

- Snow and/or sleet accumulations**
  - 7+ inches:** western and central New York, North Country, Finger Lakes, Southern Tier, Mohawk Valley and the Capital District into the mid-Hudson Valley
  - 6+ inches:** Lower Hudson Valley, New York City and Long Island

Map of New York State showing snow accumulation (inches) for Winter Storm Warning. Legend: 1-3, 4-6, 7-9, 10-12, 13-15, 16-18, 19-24, 25-30, 31-36, 37-45, 46-54, 55-60, 61-72, 73-90, 91-120, 121-150, 151-180, 181-240, 241-300, 301-360, 361-450, 451-540, 541-600, 601-720, 721-900, 901-1200, 1201-1500, 1501-1800, 1801-2400, 2401-3000, 3001-3600, 3601-4500, 4501-5400, 5401-6000, 6001-7200, 7201-9000, 9001-12000, 12001-15000, 15001-18000, 18001-24000, 24001-30000, 30001-36000, 36001-45000, 45001-54000, 54001-60000, 60001-72000, 72001-90000, 90001-120000, 120001-150000, 150001-180000, 180001-240000, 240001-300000, 300001-360000, 360001-450000, 450001-540000, 540001-600000, 600001-720000, 720001-900000, 900001-1200000, 1200001-1500000, 1500001-1800000, 1800001-2400000, 2400001-3000000, 3000001-3600000, 3600001-4500000, 4500001-5400000, 5400001-6000000, 6000001-7200000, 7200001-9000000, 9000001-12000000, 12000001-15000000, 15000001-18000000, 18000001-24000000, 24000001-30000000, 30000001-36000000, 36000001-45000000, 45000001-54000000, 54000001-60000000, 60000001-72000000, 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