



Feedback and questions about this page can be directed to: ingrid.amberger@noaa.gov
Meteorologist - National Weather Service

Decision (Weather) Support Services

Weather.gov > [Albany, NY](http://Albany.NY) > Decision (Weather) Support Services

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	1991-2020 Normals Precipitation
1991-2020 Normals Snowfall			Fact Sheets				

[Area Forecast Discussion](#)

[Weather Support \(DSS\) Request](#)



[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](#)



[Fire Weather Watch Red Flag Warning](#)



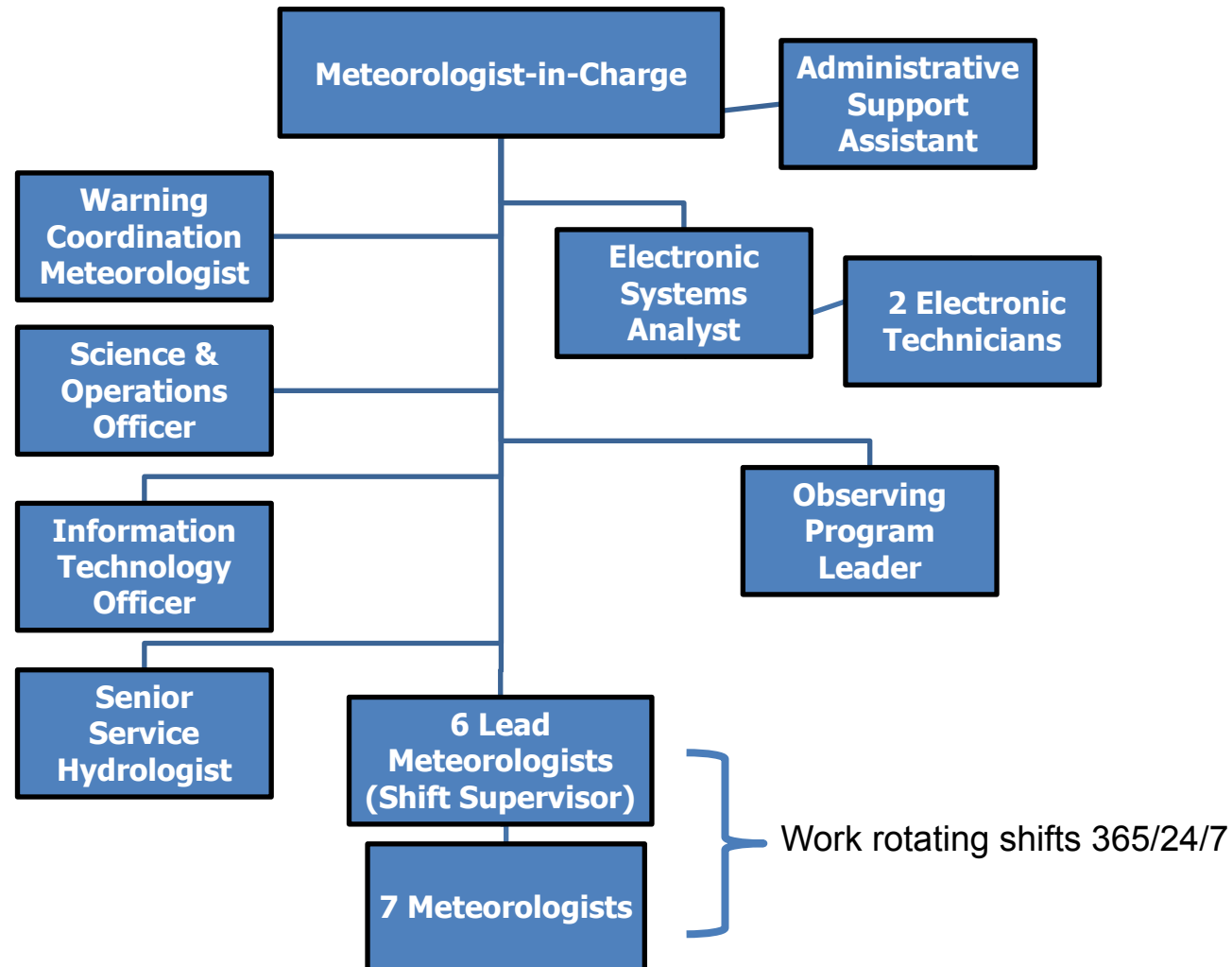
[Air Quality Alerts](#)

Maps are updated twice an hour



NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



“Watches-Warnings-Advisories” Tab



Albany, NY
WEATHER FORECAST OFFICE

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

Winter Watches Warnings and Advisories



Under each graphic tile there is a
link to a fact sheet with the local
criteria or to a National Weather
Service web page for that hazard.

Weather Support Request
Weather.gov > Albany, NY > Weather Support Request

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

NWS Albany, NY recognizes that we have a special mission responsibility to our core partners, including the emergency management community and other local, state and federal government agencies, to provide Impact-Based Decision Support Services/Weather Support leading up to, during and following high-impact events.

Our Decision Support Services/Weather Support begin with severe weather preparedness and education through outreach activities and internal and external training and exercises. This includes involvement in local, state and federal exercises and simulations.

When public safety in the event of hazardous weather is a concern, NWS Albany, NY personnel will provide Decision Support Services/Weather Support at the request of Emergency Management and government core partners.

This support can include:

- Direct, interactive support to ensure safety and protection of property, provided on-site or remotely.
- Coordination activities supporting high impact events. This can include pre-decision conference calls with the primary purpose of enhancing weather situational awareness.
- Assistance with the routine provision of NWS data and products including alerts of hazardous weather conditions that are provided uniformly to everyone.

To request Decision Support Services/Weather Support, please fill out the request form below.

Weather Support Request for Events - NWS Albany

**** FOR OFFICIAL GOVERNMENT SUPPORT ONLY ****

Use this form to request NWS weather support for a vulnerable outdoor event. If immediate weather support is needed, please contact the National Weather Service directly.

NWS weather support is designed for those events that as an EM you feel are particularly vulnerable to weather due to location, size or nature of the event. The NWS is committed to providing decision support services on behalf of the EM community in order to help support public safety. For more information on Decision Support, visit: <https://www.weather.gov/about/idsd>

After submitting a request for weather support, you will be contacted by your NWS office to clarify specifics of the event and services to be provided.

NWS weather support services for an event includes:

- * The NWS will contact the event POC as requested with a weather briefing.
- * The NWS will maintain a constant weather watch for the event in support of public safety.
- * If hazardous weather will impact the event, the NWS will contact the POC as requested.
- * The POC is also encouraged to contact NWS at any time for updated weather information.
- * All event information will be available to NWS forecasters for situational awareness.

The following information below is completely optional
Policy Statement: <http://www.weather.gov/privacy.php>

Ingrid.amberger@noaa.gov [Switch account](#)

Not shared

Decision (Weather) Support Services

Weather.gov > Albany, NY > Decision (Weather) Support Services

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	1991-2020 Normals Precipitation
1991-2020 Normals Snowfall			Fact Sheets					

Area Forecast Discussion

Weather Support (DSS) Request



Severe Thunderstorm/Tornado Watch-Warning-Advisory



Wind Watch-Warning-Advisory



Tropical Watch-Warning



Flood Watch-Warning-Advisory



Excessive Heat



Dense Fog Advisory



Fire Weather Watch Red Flag Warning



Winter Watch-Warning-Advisory



Extreme Cold



Frost/Freeze Watch-Warning Frost Advisory



Air Quality Alerts

Maps are updated twice an hour

As emergency management or a government core partner, you can request weather support for an event by [filling out this form](#). Requests should to be submitted at least 1 to 2 weeks prior to the event.

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



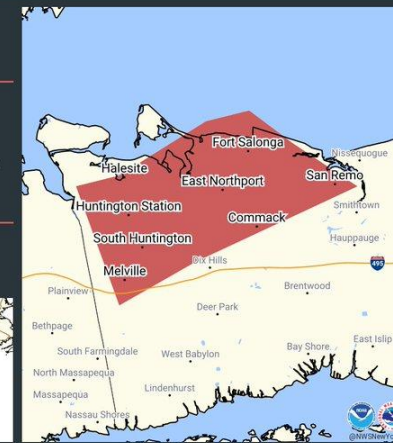
Move immediately to
higher ground!



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



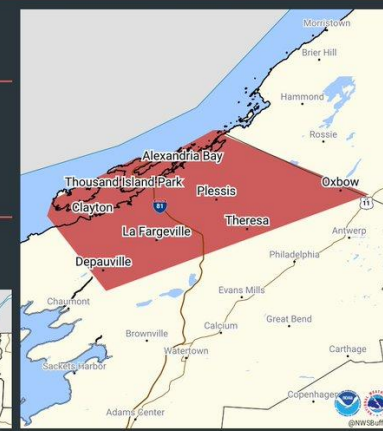
TORNADO
Radar Indicated



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



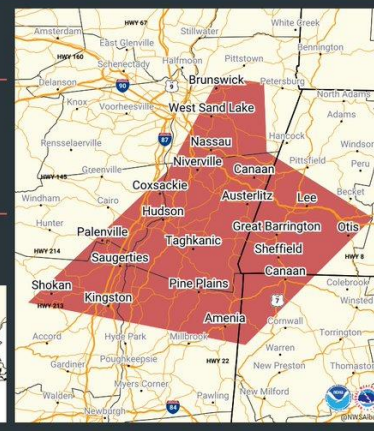
Hazard
White out conditions in
heavy blowing snow



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, recreational forecasts, and river and stream observations and forecasts.

Decision (Weather) Support Services

[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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

Weather Support Matrices



[Northeast Radar Loop](#)



[National Radar Loop](#)



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



[Surface Map & Forecast Maps](#)

Other Radar: [Northeast](#)

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

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

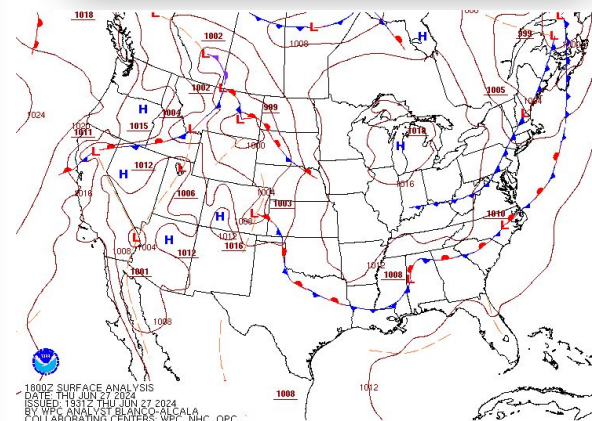
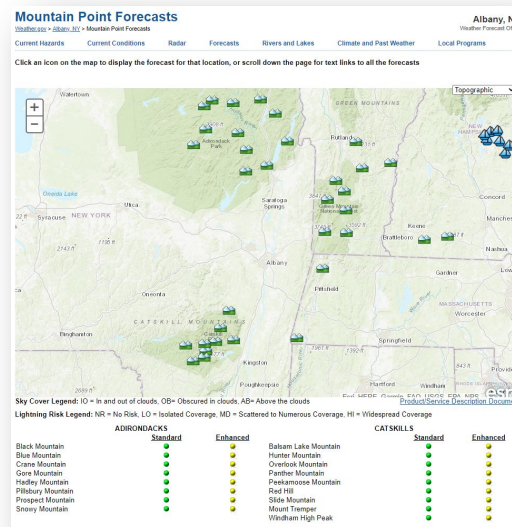
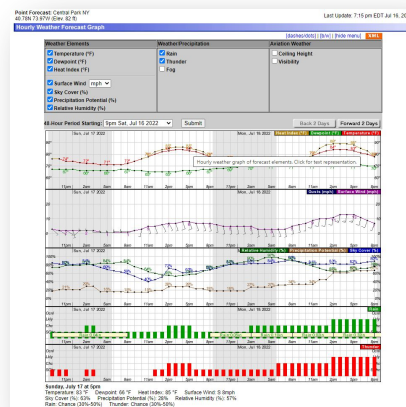
Reports: [Public Information Statement](#) --- [Local Storm Reports](#) --- [mPING Spotter Reports](#)

[Past Precipitation Analysis](#) & [Locally created Precipitation & Snowfall Maps](#)

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

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

Mountain Top Forecasts (Search and Rescue): [Eastern NY and adjacent Western New England](#)



Public Information Statement

Issued by NWS Albany, NY

[Home](#) | [Current Version](#) | [Previous Version](#) | [Text Only](#) | [Print](#) | [Product List](#) | [Glossary](#) | [On 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

008
NWSALB KALY 191320
PHSALY
CT2001-013-MA2001-025-NY2032-033-038-043-047-054-058-061-063-066-082-084-
VT2013-015-200120-

Public Information Statement
Spotter Reports
National Weather Service Albany NY
829 AM EDT Tue Mar 19 2024

The following are unofficial observations taken during the past 13 hours for the storm that has been affecting our region. Appreciation is extended to highway departments, cooperative observers, Skywarn spotters and media for these reports. This summary also is available on our home page at [weather.gov/albany](#)

*****STORM TOTAL SNOWFALL (AT LEAST 0.1 INCH)*****

LOCATION	TOTAL SNOWFALL (Inches)	TIME/DATE	COMMENTS
MASSACHUSETTS			
...Berkshire County...			
Clarkburg	2.5 726 AM	3/19	WeatherNet6
Alford	1.5 826 AM	3/19	Trained Spotter
Williamstown	1.0 630 AM	3/19	Twitter
Savoy	0.7 1150 PM	3/19	WeatherNet6
Pittsfield	0.5 757 AM	3/19	WeatherNet6
NEW YORK			
...Columbia County...			
Anramdale	0.1 714 AM	3/19	WeatherNet6
...Hamilton County...			
2 E Hoffmeister	2.5 820 AM	3/19	Trained Spotter
Wells	0.5 886 AM	3/19	WeatherNet6
...Montgomery County...			
Palatine Bridge	0.2 725 AM	3/19	WeatherNet6
...Washington County...			
Hebron	0.5 719 AM	3/19	WeatherNet6

“Observations/Reports/Forecasts” Tab



Albany, NY
WEATHER FORECAST OFFICE

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 put in a request using the [Weather Support \(DSS\) Request link](#) under the “Watches-Warnings-Advisories” Tab. Requests should be submitted at least 1 to 2 weeks prior to the event.

NWS Albany Weather Support Matrices

[Weather.gov > Albany, NY > NWS Albany 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 area to get weather support matrix



Areas: [Eastern New York](#) -- [Southampton](#) -- [Berkshires](#) -- [Litchfield County](#)

NATIONAL WEATHER SERVICE
EASTERN NY WEATHER SUPPORT
[Weather.gov > Albany, NY > Eastern NY Weather Support](#)

Choose Location: [Albany/Empire State Plaza](#) [Albany County/Albany](#) [Berkshire](#) [Columbia County/Chatham](#) [Dutchess County/Hinsdale](#) [Greene County/Cairo](#) [Herkimer County/Troy](#) [Lake George Village](#) [Montgomery County/Fonda](#) [Rensselaer County/Schaghticoke](#)
[Saratoga County/Ballston Spa](#) [Saratoga Springs](#) [Schenectady](#) [Schoharie County/Cobleskill](#) [Troy](#) [Ulster County/New Paltz](#) [Washington County/Greenwich](#)

Albany, NY
Weather Forecast Office

NATIONAL WEATHER SERVICE

Color Coded Weather Impact Matrix

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

[Save as Image](#)

Albany, New York
Weather Forecast Office

	Impact Matrix for Weather Support (42,6490..73,7616)																									
	Tue Mar 19						Wed Mar 20						Thu Mar 21						Fri Mar 22							
	11 am	2 pm	5 pm	8 pm	11 pm	2 am	5 am	8 am	11 am	2 pm	5 pm	8 pm	11 pm	2 am	5 am	8 am	11 am	2 pm	5 pm	8 pm	11 pm	2 am	5 am	8 am	11 pm	
Temperature	33°F	36°F	41°F	37°F	35°F	33°F	34°F	33°F	30°F	28°F	44°F	36°F	33°F	30°F	27°F	28°F	27°F	31°F	33°F	28°F	28°F	25°F	22°F	25°F	23°F	25°F
Wind Chill	22°F	27°F	33°F	32°F	29°F	27°F	26°F	26°F	32°F	30°F	37°F	27°F	23°F	19°F	14°F	12°F	13°F	16°F	21°F	15°F	14°F	12°F	9°F	14°F	12°F	14°F
Chance of Precipitation	11%	11%	13%	21%	32%	31%	41%	37%	28%	55%	54%	47%	30%	26%	22%	21%	6%	6%	3%	3%	0%	0%	0%	0%	0%	
3 hour Snowfall	0 in	0 in	0 in	Trace	Trace	Trace	Trace	Trace	0 in	0 in	0 in	0 in	Trace	Trace	Trace	Trace	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in	
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	0 in	
Wind Direction	WNW	WNW	W	SSW	S	S	S	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	WNW	
Wind Speed	18 mph	15 mph	13 mph	8 mph	7 mph	8 mph	8 mph	7 mph	12 mph	15 mph	15 mph	14 mph	15 mph	17 mph	18 mph	20 mph	22 mph	23 mph	22 mph	20 mph	17 mph	15 mph	14 mph	13 mph	12 mph	
Wind Gust	30 mph	32 mph	21 mph	13 mph	13 mph	12 mph	14 mph	15 mph	18 mph	24 mph	25 mph	24 mph	24 mph	28 mph	32 mph	35 mph	34 mph	37 mph	39 mph	33 mph	28 mph	25 mph	24 mph	17 mph	17 mph	
Sky Cover	67%	67%	76%	90%	81%	77%	66%	62%	71%	70%	67%	63%	53%	57%	54%	49%	47%	41%	39%	26%	20%	12%	16%	25%	25%	

Impact Level	None	Low	Medium	High	Extreme
Temperature	>=30°F	35 to 32°F	32 to 29°F	25 to 5°F	<5°F
Wind Chill	>=30°F	0 to -10°F	-15 to -20°F	<-30°F	<-30°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 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	All Values	All Values	All Values	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	<=30%	30 to 50%	50 to 70%	>70%	>70%

Decision (Weather) Support Services

[Weather.gov > Albany, NY > Decision \(Weather\) Support Services](#)

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

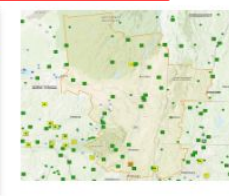
Weather Support Matrices



[Northeast Radar Loop](#)



[National Radar Loop](#)



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



[Surface Map & Forecast Maps](#)

Other Radar: [Northeast](#)

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

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

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

[Past Precipitation Analysis](#) & [Locally created Precipitation & Snowfall Maps](#)

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

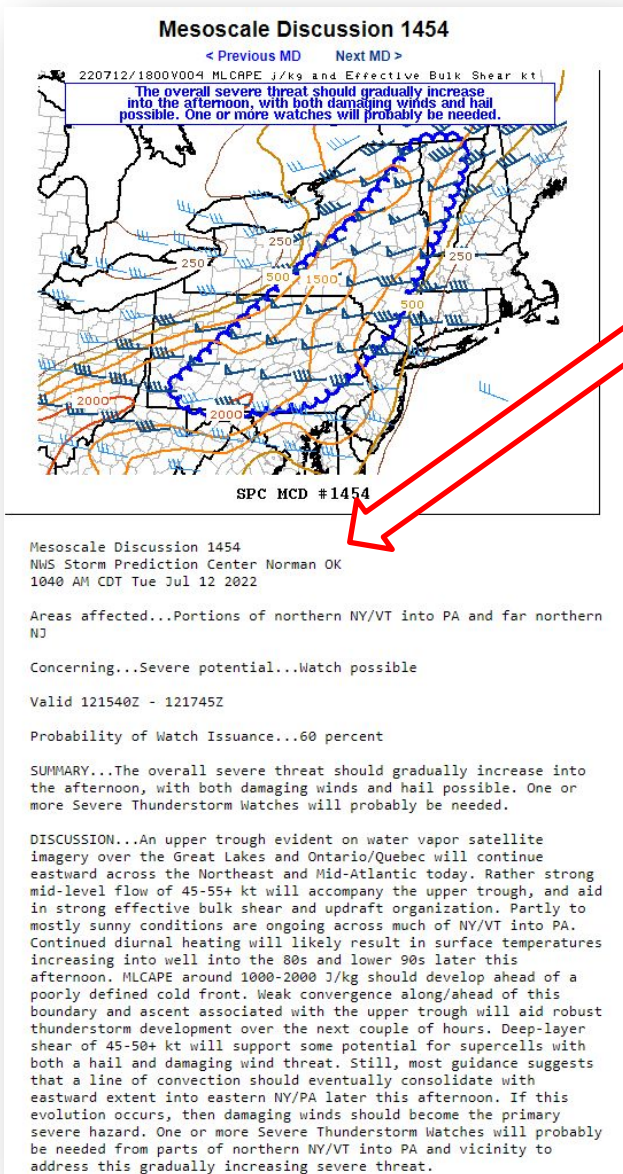
Snowpack Information: [Snow Depth](#) --- [Snow Water Equivalent](#) --- [Estimated Snow Melt Past 24 hours](#)

Mountain Top Forecasts (Search and Rescue): [Eastern NY and adjacent Western New England](#)

“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 ❌

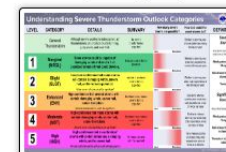
Watches-Warnings-Advisories Observations/Reports/Forecasts **Thunderstorms/Tornadoes** Precipitation/Flooding Threat

Winter Drought Fire Weather Hazards Outlooks Heat Cold Wind Gusts 1991-2020 Normals Precipitation

1991-2020 Normals Snowfall Fact Sheets

Storm Prediction Center

Risk Categories



Severe Weather Discussion



Today's Storm Reports



❌ **Day 1 Severe Weather Outlook**



Day 1 Wind Threat Outlook



Day 1 Hail Threat Outlook



Day 1 Tornado Threat Outlook



❌ **Day 2 Severe Weather Outlook**



Day 2 Wind Threat Outlook



Day 2 Hail Threat Outlook



Day 2 Tornado Threat Outlook



❌ **Day 3 Severe Weather Outlook**



Day 3 Probabilistic Outlook



Day 4 Severe Outlook



Day 5 Severe Outlook



Day 6 Severe Outlook



Day 7 Severe Outlook



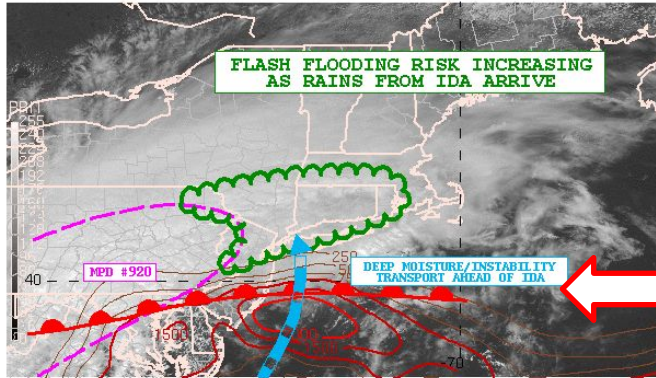
Day 8 Severe Outlook

❌ **Day 4-8 Severe Weather Outlook Discussion**

“Precipitation/Flooding Threat” Tab



Albany, NY
WEATHER FORECAST OFFICE



210901/1706 GOES16 CH02 VIS 0.64
RAP32 ML CAPE (lowest 90MB) /kg 210901/1600f000
WPC MPD #0923

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.

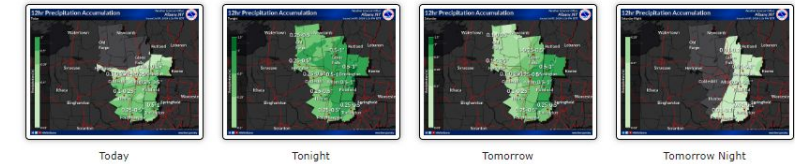
Over the next few hours, there will be an increase in the rainfall intensity and coverage, and the expectation is that there will be more numerous pockets of locally concentrated convection with very heavy rainfall rates.

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.

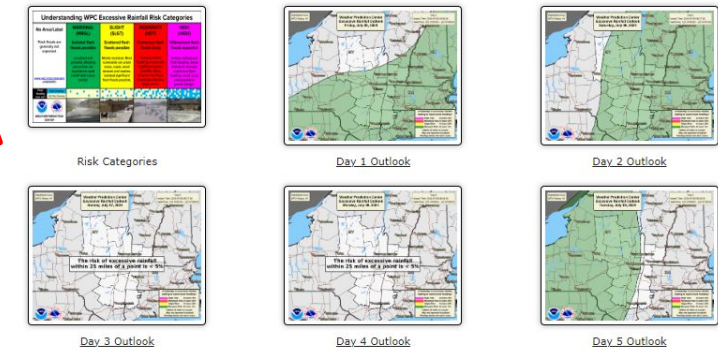
- ✓ **Precipitation Forecast** maps are updated every time NWS Albany updates their forecast.
- ✓ **Excessive Rainfall Outlook** shows the probability that the forecasted rainfall will exceed flash flood guidance. If exceeded flooding would be expected to occur.
- ✓ **Heavy Rainfall Discussions** targets 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 Precipitation
1991-2020 Normals Snowfall	Fact Sheets		

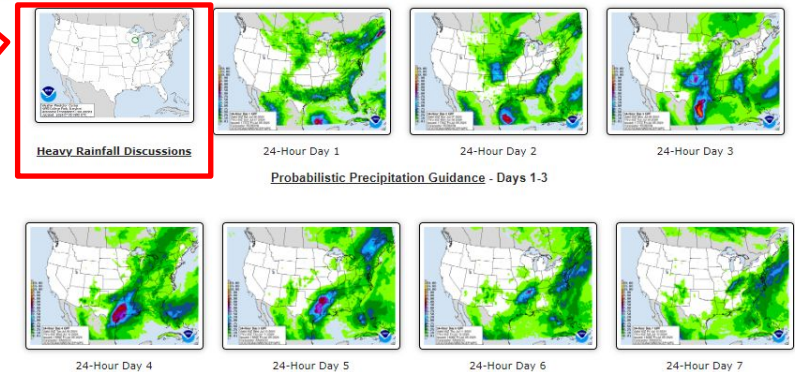
Precipitation Forecasts - New York State



Excessive Rainfall Outlooks - Weather Prediction Center



Precipitation Forecasts - Weather Prediction Center



✓ 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.

✓ Day 1, Day 2 and Day 3 snowfall extremes by county

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

Decision (Weather) Support Services

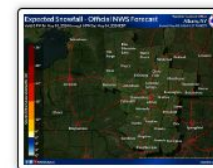
[Weather.gov](https://www.weather.gov/aly/winter) > [Albany, NY](https://www.weather.gov/aly) > Decision (Weather) Support Services

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

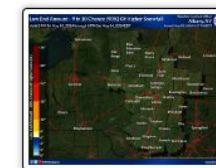
Snowfall Forecast & Probabilistic Graphics / Ice Accumulation Forecast



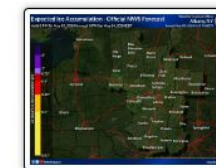
Expected Snowfall
Official Forecast



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

[Winter Storm Severity Index](#) - WSSI

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

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

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

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

[Day 1, Day 2 & Day 3 Snow Extremes by County](#)

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

Decision (Weather) Support Services

[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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

National Integrated Drought Information System (NIDIS) - Drought.gov: [NY](#) --- [CT](#) --- [MA](#) --- [VT](#)

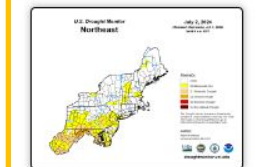
[Current Conditions](#) - [Outlooks & Forecasts](#) - [Historical Conditions](#) - [Drought Resources](#)



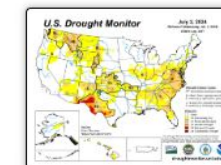
Current Drought Conditions



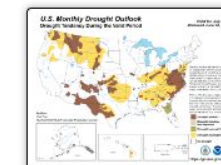
Drought Class Change



Northeast DEWS Dashboard



U.S. Drought Monitor



Monthly Drought Outlook



Seasonal Drought Outlook

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

[What is Drought?](#)

“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	Fire Weather	Hazards Outlooks	Heat	Cold	Wind Gusts	1991-2020 Normals Precipitation		
1991-2020 Normals Snowfall			Fact Sheets						

National Weather Service
Spot Forecast Request Page



Fire Weather Watch
Red Flag Warning

For more detailed
fire weather
information visit:
NWS Albany
Fire Weather Page



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



Min RH Forecast - Day 4



Max Gust Forecast - Day 4



SPC Fire Weather Outlook - Day 4



Min RH Forecast - Day 5



Max Gust Forecast - Day 5



SPC Fire Weather Outlook - Day 5

“Fire Weather” Tab



Albany, NY
WEATHER FORECAST OFFICE

- ✓ **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.



Min RH Forecast - Day 6



Max Gust Forecast - Day 6



SPC Fire Weather Outlook - Day 6



Min RH Forecast - Day 7



Max Gust Forecast - Day 7



SPC Fire Weather Outlook - Day 7

[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.

Decision (Weather) Support Services

[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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	1991-2020 Normals Precipitation
1991-2020 Normals Snowfall	Fact Sheets		

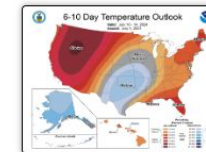
Experimental Graphical Hazardous Weather Outlook



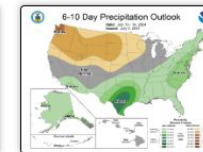
3-7 Day Hazards Outlook
Note: Only produced Monday-Friday



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



6-10 Day Temperature Outlook
(Interactive Map)



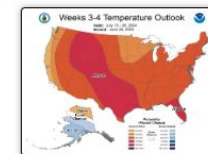
6-10 Day Precipitation Outlook
(Interactive Map)



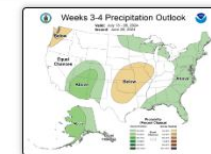
8-14 Day Temperature Outlook
(Interactive Map)



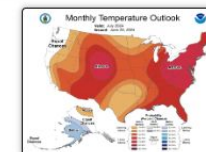
8-14 Day Precipitation Outlook
(Interactive Map)



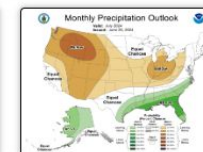
Week 3-4 Temperature Outlook



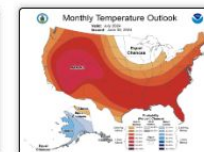
Week 3-4 Precipitation Outlook



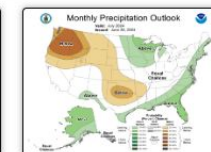
Monthly Temperature Outlook



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

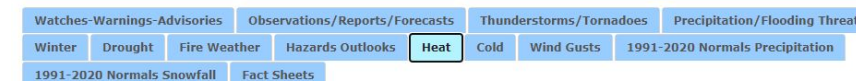
- **Heat Index** is measure of human discomfort due to combined heat and humidity.
- It measures the increased physiological heat stress and discomfort associated with higher than comfortable humidities.
- It does not consider the effects of air movement (wind speed) or exposure to sunshine on the degree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



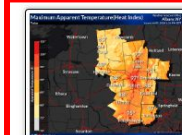
Day 4 - Highs



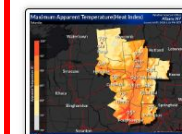
Day 5 - Highs



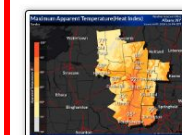
Day 6 - Highs



Today - Heat Index



Tomorrow - Heat Index



Day 3 - Heat Index



Day 4 - Heat Index



Day 5 - Heat Index



Day 6 - Heat Index



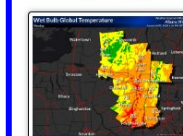
Today - WBGT



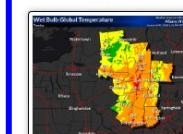
Tomorrow - WBGT



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.

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

Wind Chill



Tonight - Lows



Tonight - Wind Chill



Tomorrow Night - Lows



Tomorrow Night - Wind Chill



Day 3 - Lows



Day 3 - Wind Chill



Day 4 - Lows



Day 4 - Wind Chill



Day 5 - Lows



Day 5 - Wind Chill



Day 6 - Lows



Day 6 - Wind Chill

Decision (Weather) Support Services

[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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	1991-2020 Normals Precipitation	
1991-2020 Normals Snowfall			Fact Sheets					

These graphics are updated every time NWS Albany updates their forecast

They show the maximum forecast wind gust for the time period



Today



Tonight



Tomorrow



Tomorrow Night



Day 3



Day 4



Day 5



Day 6



Day 7

“1991-2020 Normals Precipitation” Tab



Albany, NY
WEATHER FORECAST OFFICE

Decision (Weather) Support Services

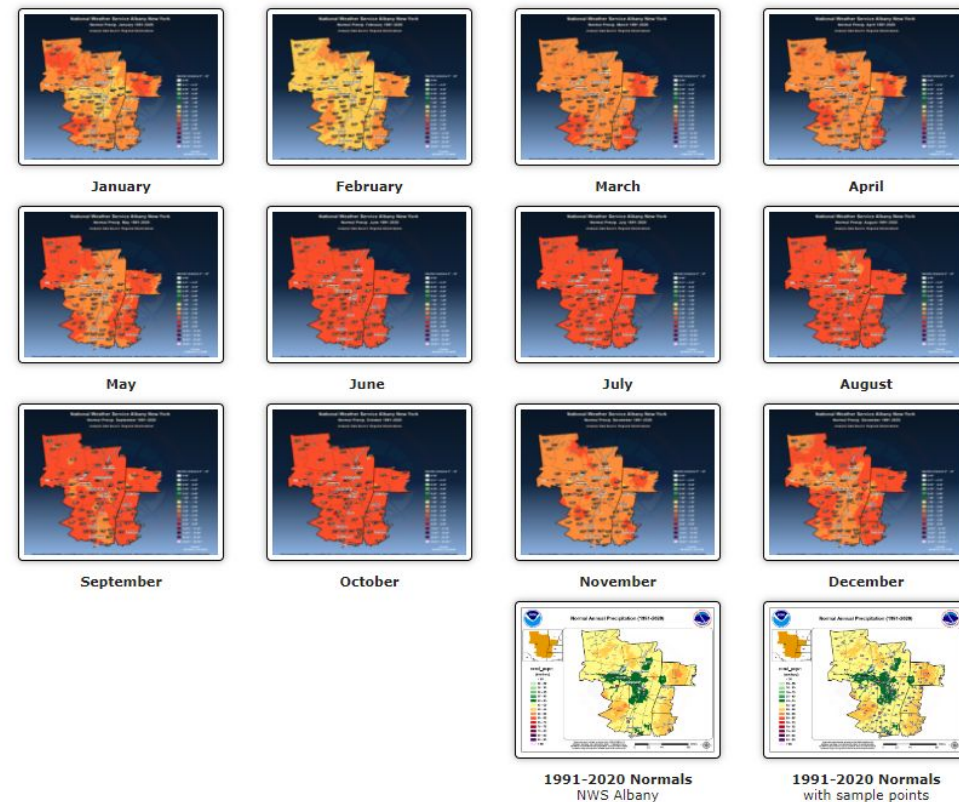
[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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	1991-2020 Normals Precipitation
1991-2020 Normals Snowfall			Fact Sheets					

These maps show the 1991-2020
Normal Precipitation across
NWS Albany's area of responsibility



“1991-2020 Normals Snowfall” Tab



Albany, NY
WEATHER FORECAST OFFICE

Decision (Weather) Support Services

[Weather.gov](#) > [Albany, NY](#) > Decision (Weather) Support Services

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

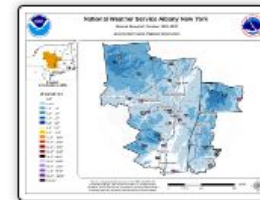
Wind Gusts

1991-2020 Normals Precipitation

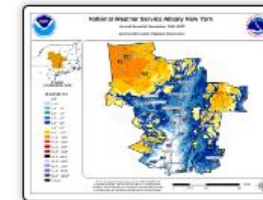
1991-2020 Normals Snowfall

Fact Sheets

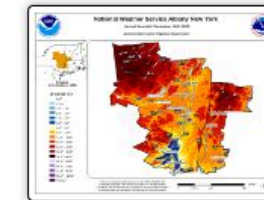
These maps show the 1991-2020
Normal Snowfall across
NWS Albany's area of responsibility



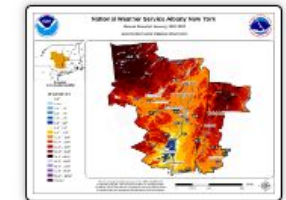
October



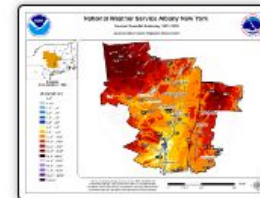
November



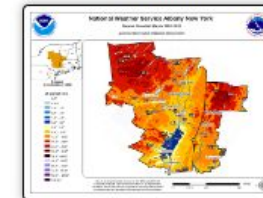
December



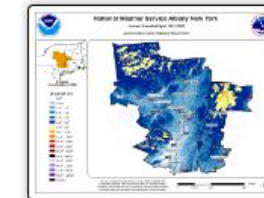
January



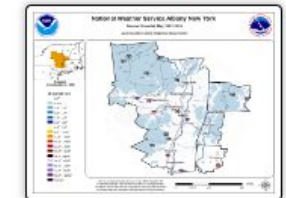
February



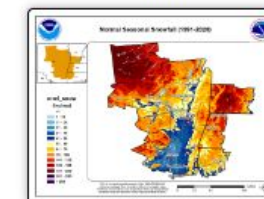
March



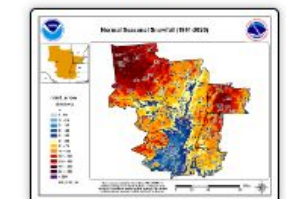
April



May



1991-2020 Normals
NWS Albany




1991-2020 Normals
with sample points

This tab provides links to fact sheets which include local criteria 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 ≥ 58 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	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

Facebook Twitter NWSAlbany @NWSAlbany www.weather.gov/aly



Weather-Ready Nation

National Oceanic and Atmospheric Administration



National Weather Service Chat (NWSChat 2.0)

What is NWSChat 2.0?





NWSChat 2.0 brings you virtually into National Weather Service (NWS) operations powered by Slack, as a real-time instant messaging program. This allows your local NWS office to communicate weather and flood information with key partners during incidents. It's an important situational awareness tool, leveraged by all members of the Integrated Warning Team: emergency management, news media and the NWS.


Who can use NWSChat 2.0?

- Members of the **emergency management community** including public safety officials from federal, state, tribal or local governments.
- Safety and emergency personnel from **universities or other large-population entities**.
- Members of the **news media** can relay weather information such as flood watches, advisories, and warnings to a significant part of the population served by an NWS office.
- Government partners** of a NWS office including (but not limited to) the FAA, DHS, USGS, military and water and land management officials.

Why use NWSChat 2.0?


- NWSChat allows you to **ask questions and seek clarification** from the meteorologists who make decisions on watches, warnings, and advisories.
- Pictures and videos can be **uploaded and shared in real-time** with NWS forecasters.
- NWS products and storm reports can be displayed to **maintain situational awareness**.
- Information shared can be shared across the Integrated Warning Team and used by emergency managers to **better communicate hazards to their communities**.





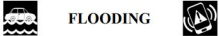
ETEC - 1400 Washington Ave
Albany, NY, 12222

P: 518 626 7573
alb.stormreport@noaa.gov



National Weather Service

Definitions for New York State




FLOODING

FLOOD ADVISORY /BE AWARE/ - issued when flooding is not expected to be had 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!

Turn Around, Don't Drown!

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


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

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/rivers; 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.



Excessive Rainfall Outlook – What does it mean?



Characterizing High Risk Days





Based on records over the past 11 years, we can say:

WPC High Risks are a strong indicator of a potentially deadly and damaging flash flood day

46% have at least 1 fatality or injury
Compared to 23% for Moderate Risk Days

62% have at least \$1 million in damages
Compared to 33% for Moderate Risk Days



WEATHER PREDICTION CENTER
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

ERO High Risk Statistics, Version 3
Updated February 12, 2022

New York State has only had 3 high risk days since 2016, so be prepared to act when you see "High Risk"

Facebook Twitter NWSAlbany @NWSAlbany www.weather.gov/aly

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

[Decision \(Weather\) Support Services Page](#) - overview of page contents
[NWS Social Media Infographics: Winter, Spring, Summer, Fall, and Hurricane](#) (Spanish-language)

Drought:

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

Fire Weather:

- [Upgraded Spot Forecast Request Webpage](#) - Information for Partners
- [Fire Weather Outlooks](#) - Storm Prediction Center

Flooding-Rainfall:

- [Excessive Rainfall Outlooks](#) - What does it mean?
- [Flooding](#) - Definitions
- [Understanding: Flooding](#)

Temperatures:

- [Extreme Heat](#) - Thresholds/Criteria
- [NWS HeatRisk](#) - one-pager
- [Understanding NWS HeatRisk](#)
- [Wet-Bulb Globe Temperature](#)
- [NWS Heat Tool Reference Guide](#)
- [Extreme Cold](#) - Thresholds/Criteria
- [Frost-Freeze Program](#)

Thunderstorms:

- [Severe Thunderstorms & Tornadoes](#) - Definitions
- [Severe Weather Outlook Risk Categories](#) - Storm Prediction Center
- [Severe Storm Timing Guidance](#) - Time Series Graphic
- [Understanding: Thunderstorms](#)

Winter:

- [Winter](#) - Thresholds/Criteria
- [Probabilistic Snowfall](#)
- [Winter Weather Severity Index](#)
- [Probabilistic Winter Storm Severity Index](#)
- [Snow Squall Warnings](#)
- [Understanding: Winter Weather](#)
- [Winter Storm Outlook](#) - Experimental
- [Ice: Radial vs. Flat](#)

Other:

- [Dense Fog](#)
- [Wind](#) - Thresholds/Criteria
- [Temperature and Precipitation Outlooks: Calculating Category Probabilities](#)
- [What Does Probability of Precipitation Mean?](#)
- [NWSChat 2.0 - SLACK](#)
- [Wireless Emergency Alerts & Impact-Based Warnings](#)
Tornado, Severe Thunderstorm, Flash Flood, Snow Squalls, and Storm Surge