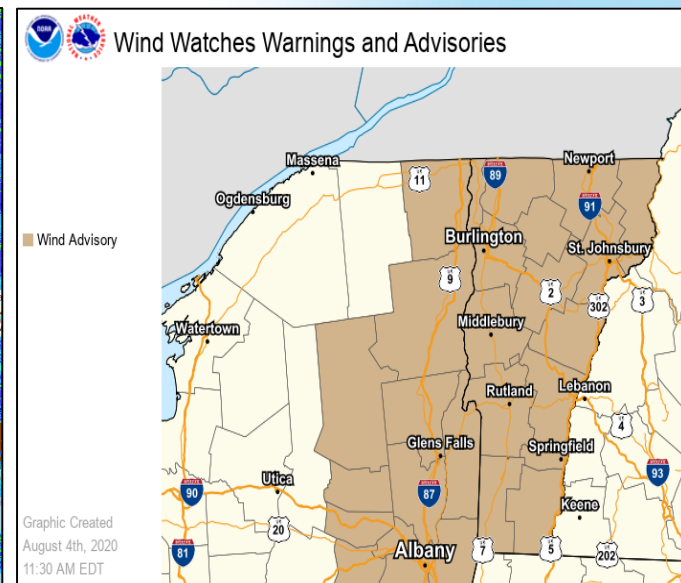
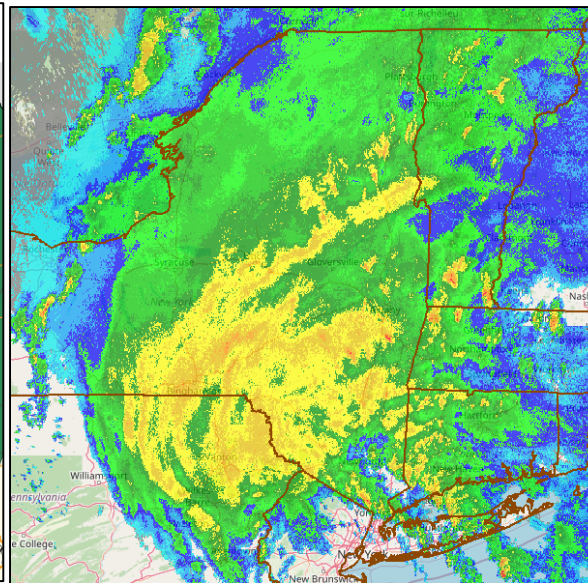
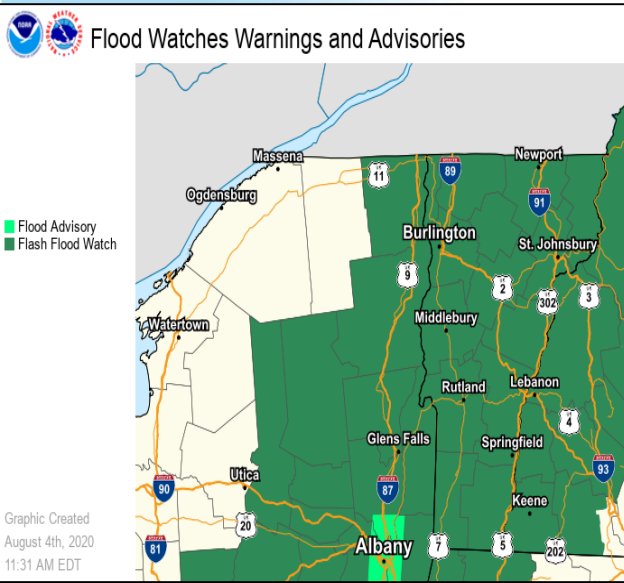


# Isaias Briefing #10

Decision Support Briefing  
As of 2:00 PM - Tuesday, August 4, 2020



## What Has Changed or Key Points?

- ✓ **HEART of the Storm is Approaching FAST!!!**
- ✓ **Flash Flood Watch** for all of VT and NE NY
- ✓ **Wind Advisory** ALL of VT and NE NY
- ✓ **Tornado Watch** until 9 pm for Southern VT

# Overview – Key Messages

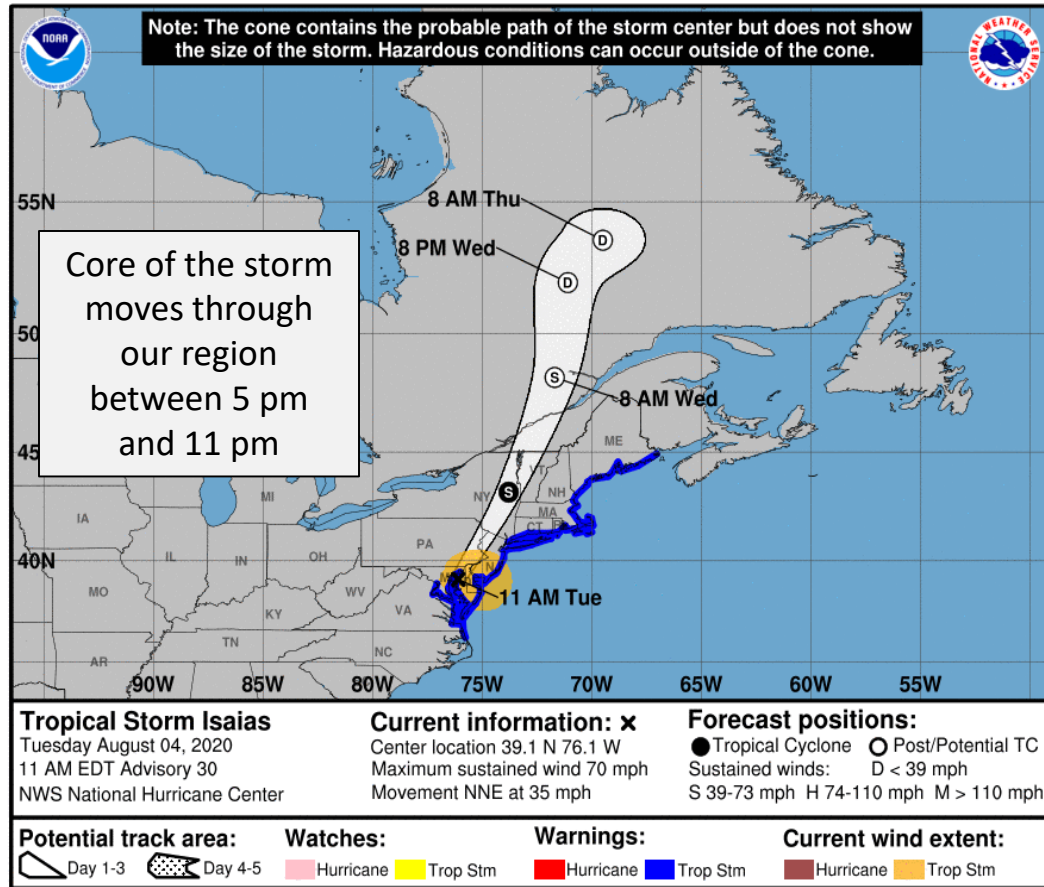
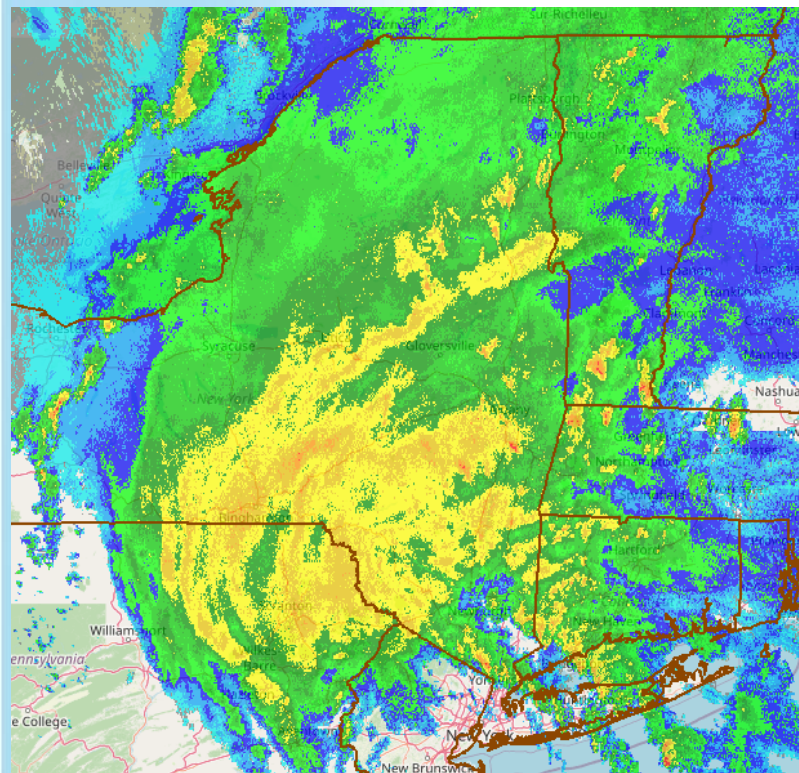
**Flash Flood Watch for ALL of VT as well as Clinton/Essex counties in NY**  
**Wind Advisory for ALL of VT as well as Clinton/Essex counties in NY**

- ✓ ***Tropical Storm Isaias main impacts are just hours away!!!***
- ✓ **Threat continues for areas of flash flooding due to very high rainfall rates, possibly exceeding 1 inch per hour at times this evening.**
  - ✓ **Greatest threat from the eastern Adirondacks to the Green Mountains of VT from Addison county northward where 2 to 4 inches with locally 5+ inches is possible.**
  - ✓ **Timing Threat is NOW to Midnight**
  - ✓ **Urban areas, poor drainage and streams of complex terrain**
- ✓ **Sharp rises in the headwater regions of larger rivers with the potential of minor to moderate flooding.**
  - ✓ **Greatest threat from the eastern Adirondacks to the central/northern Green Mountains of VT**
- ✓ **Localized wind gusts up to 50 mph possible across VT and Northeast NY**
  - ✓ **Greatest threat across central/eastern VT and western slope of Southern Greens where localized wind gusts could briefly exceed 60 mph.**
  - ✓ **Scattered power outages likely, possibly more concentrated in southern/eastern VT**

# Situational Awareness

Hazard	Impacts	Location	Timing
Flash Flooding	Localized flash flooding with culvert and dirt road washouts possible, along with poor drainage urban flooding	Eastern Adirondacks into central Vermont, including the Champlain Valley	<b>Late Afternoon</b> through Midnight
Wind	Isolated to scattered power outages possible but more numerous possible across southern VT	Eastern Adirondacks and all of VT <b>GREATEST THREAT</b> will be eastern VT and southern Green Mountains	<b>Late Afternoon</b> until Midnight
Tornado	Very isolated and low risk of brief, weak tornadoes	Southern VT	<b>TORNADO WATCH UNTIL 9 PM</b>

# Latest NHC Advisory

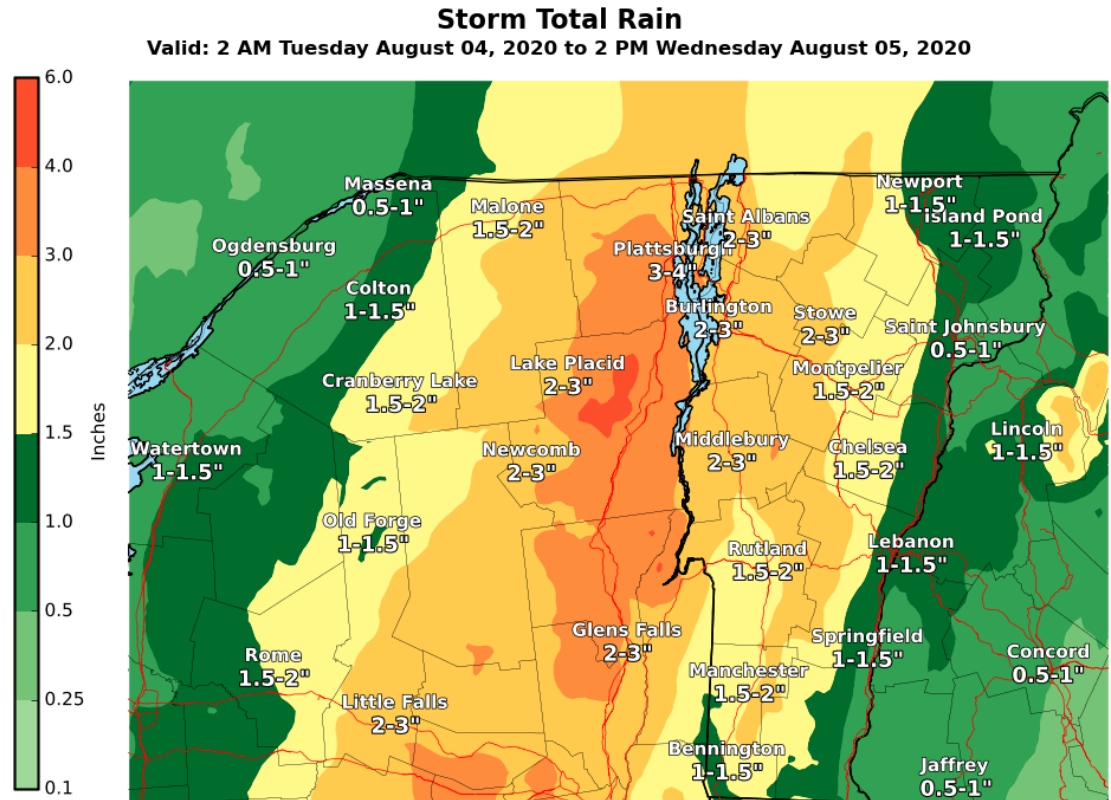


**At 2pm – Storm was located 65 miles West of NYC moving NNE @ 40 mph  
Maximum Sustained Winds – 65 mph**

For more information, check our webpage with tropical information at <https://www.weather.gov/btv/tropical> and the National Hurricane Center at <https://www.nhc.noaa.gov/>

# Rainfall Forecast (Today through early Wednesday)

- ✓ Flash Flood Watch for all of VT, Essex/Clinton Counties in NY.
- ✓ Localized to scattered flash flooding possible.
- ✓ Heaviest rainfall **NOW** through Midnight with rainfall rates possibly exceeding 1 inch/hr at times
- ✓ Greatest threat from the eastern Adirondacks to the Green Mountains of VT from Addison county northward where 2 to 4 inches with locally 5+ inches is possible.
- ✓ River Headwaters susceptible to minor to moderate flooding include; Mad, Missisquoi, and the AuSable.



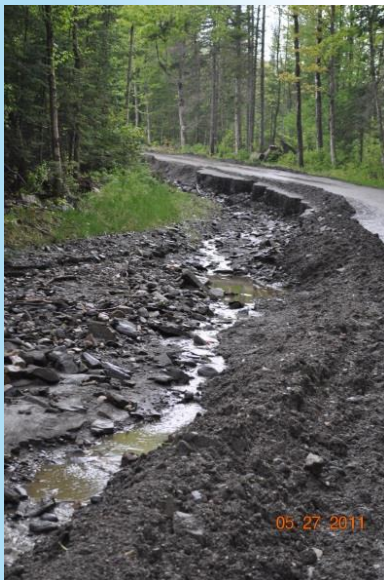
National Weather Service  
Burlington, VT  
08/04/2020 01:22 PM EDT

Follow Us:   
weather.gov/Burlington



# Potential Flooding Impacts – Urban and Flash Flooding

- ✓ Urban street flooding, ponding of water on low-lying roads, clogged storm drains.
- ✓ Washed out culverts and washed out dirt road shoulders/roads
- ✓ Very heavy rainfall rates over any given location can lead to localized Flash Flooding, especially highly sloped, small drainage basins and urban areas
- ✓ Sharp rises on streams and rivers expected, with minor river flooding possible

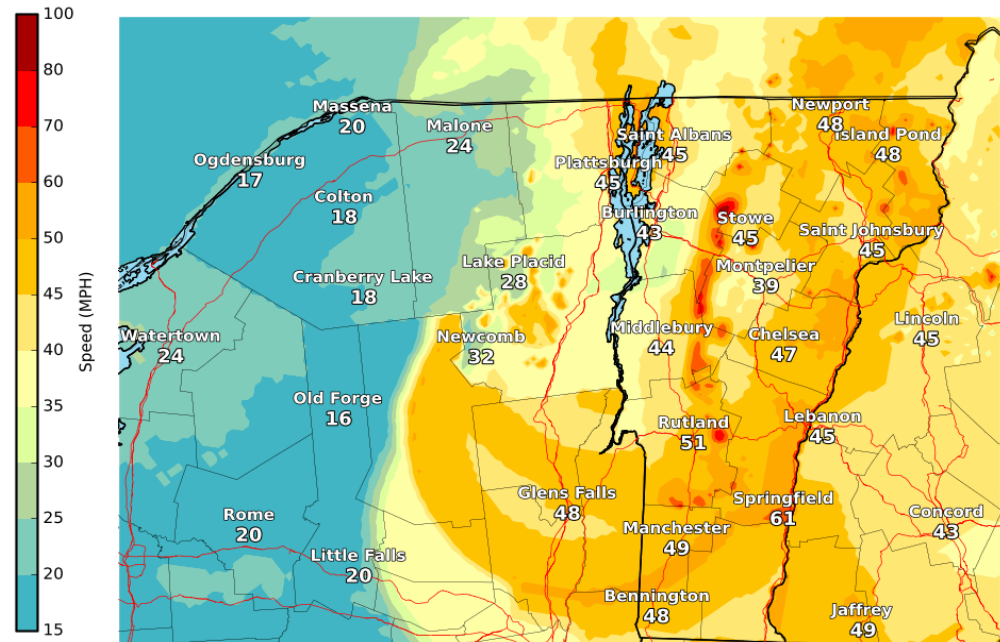


# Wind Impacts

## North Country Maximum Wind Gust

Valid: 8 PM Tuesday August 04, 2020 to 2 PM Wednesday August 05, 2020

- ✓ **Wind Advisory for ALL of VT and Clinton/Essex Counties in NY through Midnight.**
- ✓ Greatest threat timing will be late afternoon to Midnight moving south to north.
- ✓ Southeast to northeast winds of 25 to 35 mph with gusts to 50 mph expected.
- ✓ Isolated to scattered power outages likely.
- ✓ More numerous outages possible in southern VT and perhaps along the western slopes of VT's Green Mountains where gusts may briefly exceed 60 mph.



National Weather Service  
Burlington, VT  
08/04/2020 10:13 AM EDT

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Wind Speeds	Potential Impacts
< 35 mph	Little impact
35-45 mph	Possible blowing of unsecured objects, Small tree limbs down, Isolated power outages possible.
45-55 mph	Several small and larger limbs and small shallow rooted trees knocked down. Scattered power outages possible.
55-65 mph	Numerous branches, several small trees and a few large trees knocked down. Scattered shingle and minor structural damage. Scattered to numerous power outages likely.

# Severe Weather Outlook

- ✓ Risk of an isolated, brief, weak and fast moving tornado possible.
- ✓ Southern and Eastern VT
- ✓ Tornado Watch until 9 pm for Southern VT

## Tornado Watch

Valid Until  
9:00 PM EDT Tuesday  
August 4, 2020

**Threat Information**

**TORNADOES**  
A few Tornadoes Possible

**HAIL**  
Isolated Hail Up To Size Possible

**WIND**  
Isolated Gusts Up To 80 MPH Possible

**Potential Exposure**

Population: 12,116,721  
Schools: 3552  
Hospitals: 239

Tornado Watch #417

EF Rating	Wind Speeds	Expected Damage
<b>EF-0</b>	65-85 mph	'Minor' damage: shingles blown off or parts of a roof peeled off, damage to gutters/siding, branches broken off trees, shallow rooted trees toppled.
<b>EF-1</b>	86-110 mph	'Moderate' damage: more significant roof damage, windows broken, exterior doors damaged or lost, mobile homes overturned or badly damaged.



# Isaias Potential Impacts

- ✓ **The threat for localized flash flooding due to very high rainfall rates of 1 inch per hour or more at times continues, especially across urban areas with poor drainage and complex terrain. Possible washed out roads and culverts and street flooding.**
- ✓ **Sharp rises on streams and rivers are expected, several rivers having the potential to exceed flood stage near the headwater regions of the Mad, Missisquoi and AuSable rivers.**
- ✓ **Greatest threat from the eastern Adirondacks to the Green Mountains of VT from Addison county northward, where 2 to 4 inches with locally 5+ inches is possible.**
- ✓ **Wind gusts up to 50 mph with isolated to scattered power outages possible for all of VT and northeast NY. Most susceptible will be southern/eastern VT and VT's southern Green Mountains from late afternoon until Midnight.**
- ✓ **Risk for an isolated, brief, weak tornado possible for eastern and southern VT through this evening. Tornado Watch for Southern VT until 9 pm.**

# Contact and Next Briefing Information

**Next Briefing:**  
*Tuesday, August 4, 2020 by 6 PM*  
*Monitor updated forecasts*



**Web:**  
<http://www.weather.gov/btv/>



**Phone (UNLISTED):**  
(802) 863-4279 or (802) 658-0150



**E-mail:**  
[nwsbtv.info@noaa.gov](mailto:nwsbtv.info@noaa.gov)



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