



Severe T-storms, Flash Flooding and Excessive Heat

Changes since last Briefing:

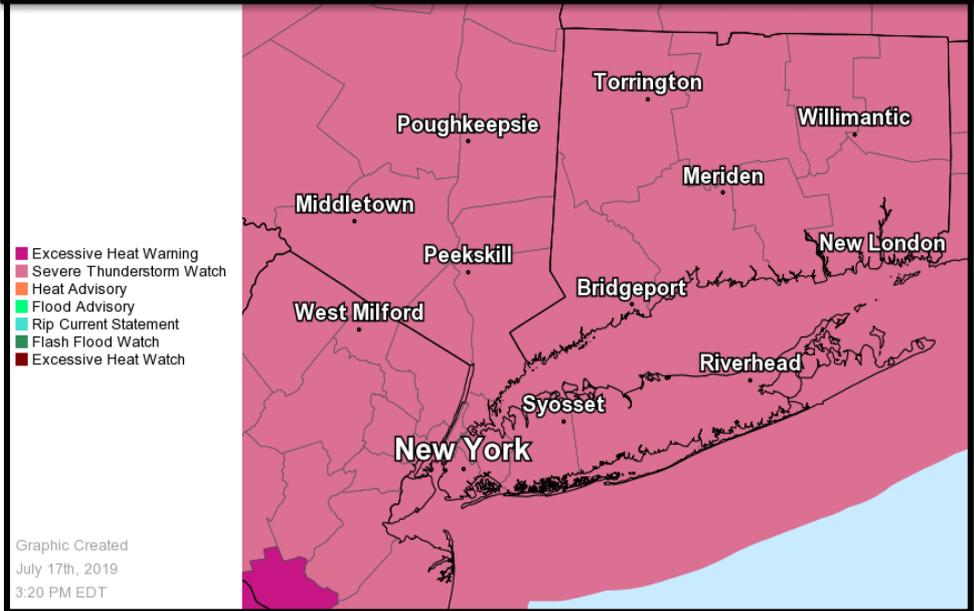
SEVERE THUNDERSTORM WATCH IN EFFECT UNTIL 10 PM EDT THIS EVENING FOR THE ENTIRE TRI-STATE REGION

FLASH FLOOD WATCH EXPANDED TO INCLUDE ENTIRE TRI-STATE REGION

EXCESSIVE HEAT WATCH FOR NE NJ FRI AND REMAINDER OF TRI-STATE (EXCEPT LI TWIN FORKS) SATURDAY

**Decision Support Briefing #2
As of: 4:00 PM July 17, 2019**

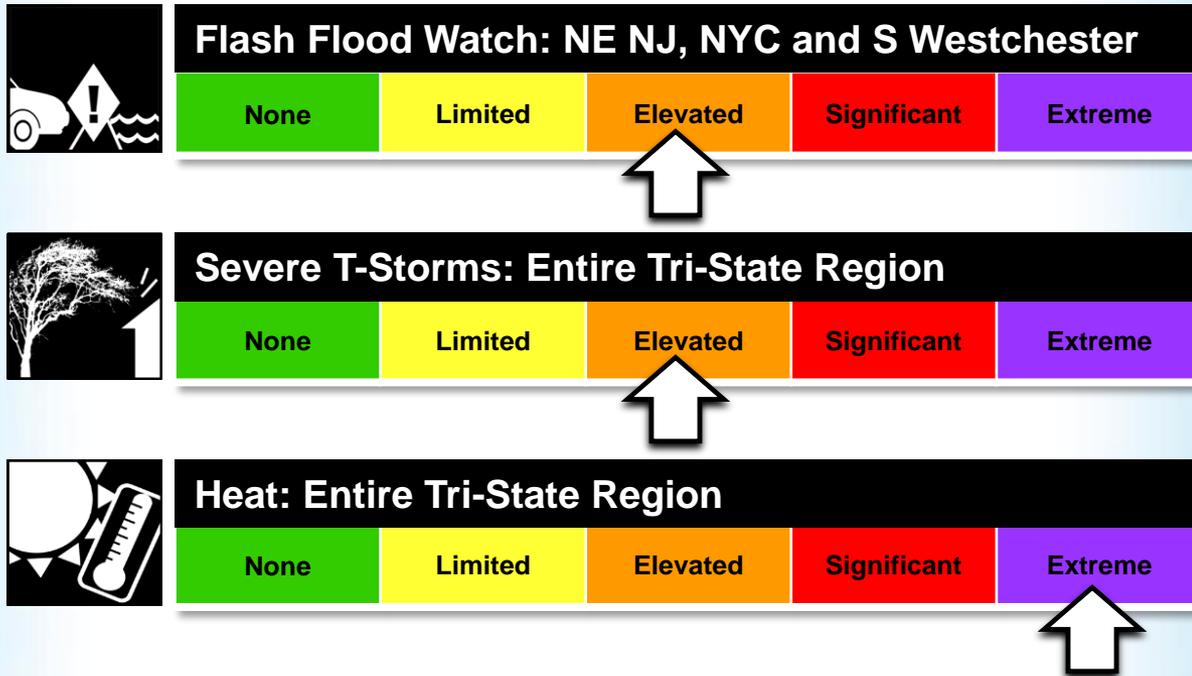
Current Hazards



Main Points

Hazard	Impacts	Location	Timing
Flash Flood Watch 	<ul style="list-style-type: none"> Flash flooding is possible, especially where multiple storms train over the same area. Rainfall rates of 1 to 2 inches/hr. Total rainfall of 1 to 2 inches, with locally higher amounts. Rapid flooding of Urban Areas, Low-lying Roads, and Small Streams and Creeks. 	<p>Entire Tri-State Region</p>	<p>This afternoon through tonight</p>
Severe T-Storms 	<ul style="list-style-type: none"> Some thunderstorms may be severe with damaging winds being the primary hazard. 	<p>Entire Tri-State Region</p>	<p>This afternoon and evening (SEVERE THUNDERSTORM WATCH IN EFFECT UNTIL 10PM)</p>
Heat 	<ul style="list-style-type: none"> Extreme heat can cause illness and death among at-risk population who cannot stay cool. 	<p>(EXCESSIVE HEAT WATCH FOR NE NJ FRIDAY AND ENTIRE TRI-STATE SATURDAY except LI Twin Forks)</p>	<p>Heat Index values will range from 105 to 110 Fri and Sat, and 100 to 105 on Sun</p>

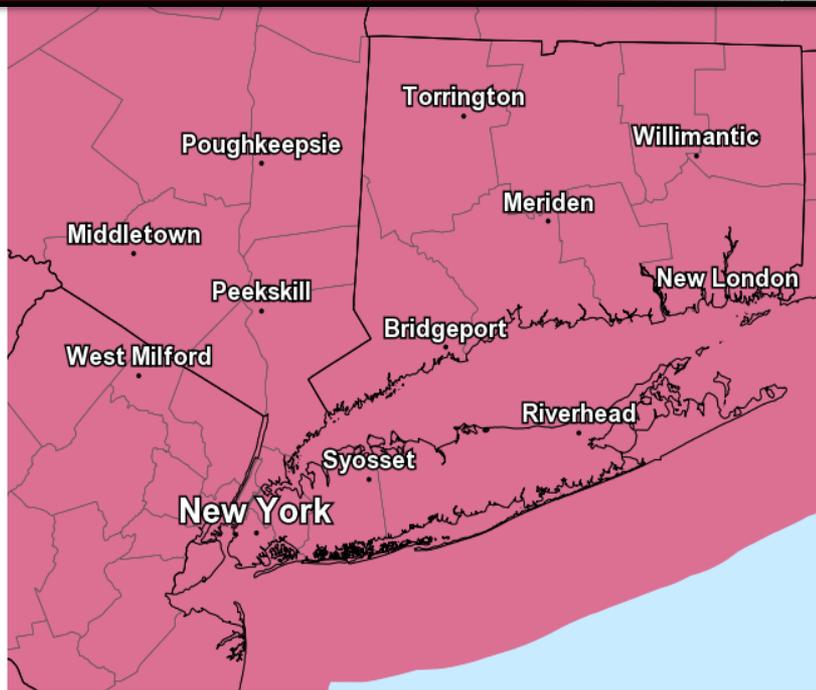
Summary of Greatest Impacts



Severe Weather

SEVERE THUNDERSTORM WATCH FOR ENTIRE TRI-STATE THROUGH 10 PM

Current Convective Watches/Warnings



Hazards:

- ✓ Scattered Damaging Wind Gusts up to 70 mph
- ✓ Hail up to 1"

Impacts:

- ✓ Scattered downed trees and power lines possible
- ✓ Localized structural damage possible

Timing and Location:

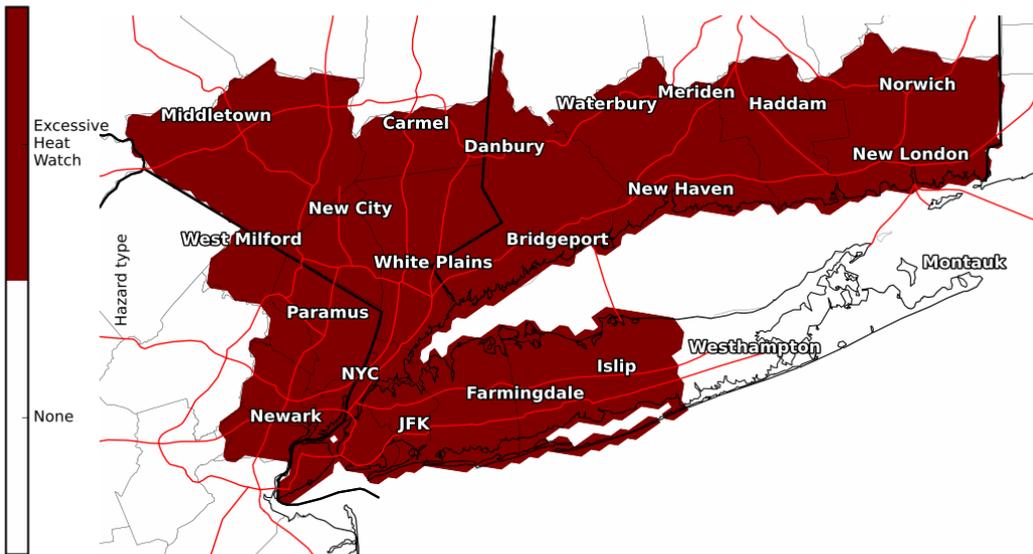
- ✓ From 7 pm to 2 am

Excessive Heat Watch

**EXCESSIVE HEAT WATCH FOR NE NJ FRIDAY AND ENTIRE TRI-STATE SATURDAY
(EXCEPT LI TWIN FORKS)**

Excessive Heat Watch

Watches/Warnings/Advisories
Valid: July 20, 2019



National Weather Service
New York NY
07/17/2019 03:04 PM EDT

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Hazards:

- ✓ Extreme heat can cause illness and death among at-risk population who cannot stay cool.

Impacts:

- ✓ The excessive heat may quickly cause heat stress or heat stroke, especially during outdoor exertion or extended exposure.

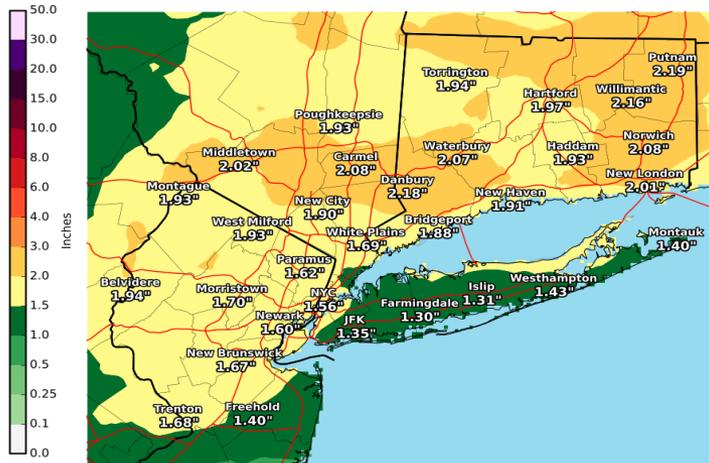
Timing :

- ✓ The highest Heat Index values will occur during the daytime, especially on Saturday. However, given how hot and oppressive this air mass will be, there will not be much relief at night.

Flash Flooding

Expected Rainfall/Liquid Equivalent

Valid: 07/17/2019 12:00 AM - 07/20/2019 12:00 PM EDT



Day 1 Excessive Rainfall Outlook



Hazards:

- ✓ Rainfall of 1 to 2 inches across the Tri-State Area
- ✓ Rainfall rates of 1" to 2"/hr

Impacts:

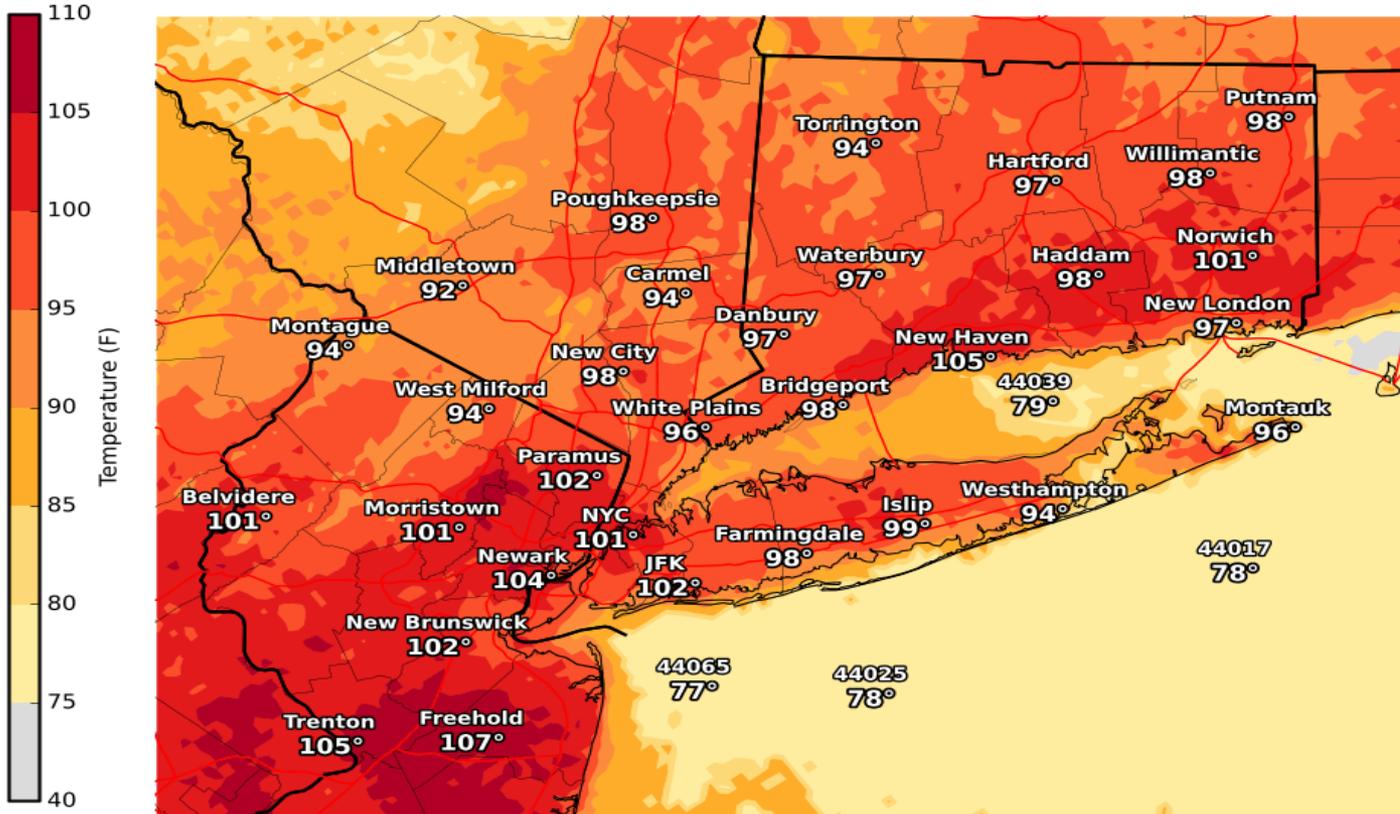
- ✓ Rapid Flooding of Urban Areas, Low-lying Roads, and Small Streams and Creeks.

Timing:

- ✓ Heaviest rain from 7pm to 2am

Max Heat Index Values This Afternoon

Today's Maximum Heat Index Temperatures
Valid: July 17, 2019

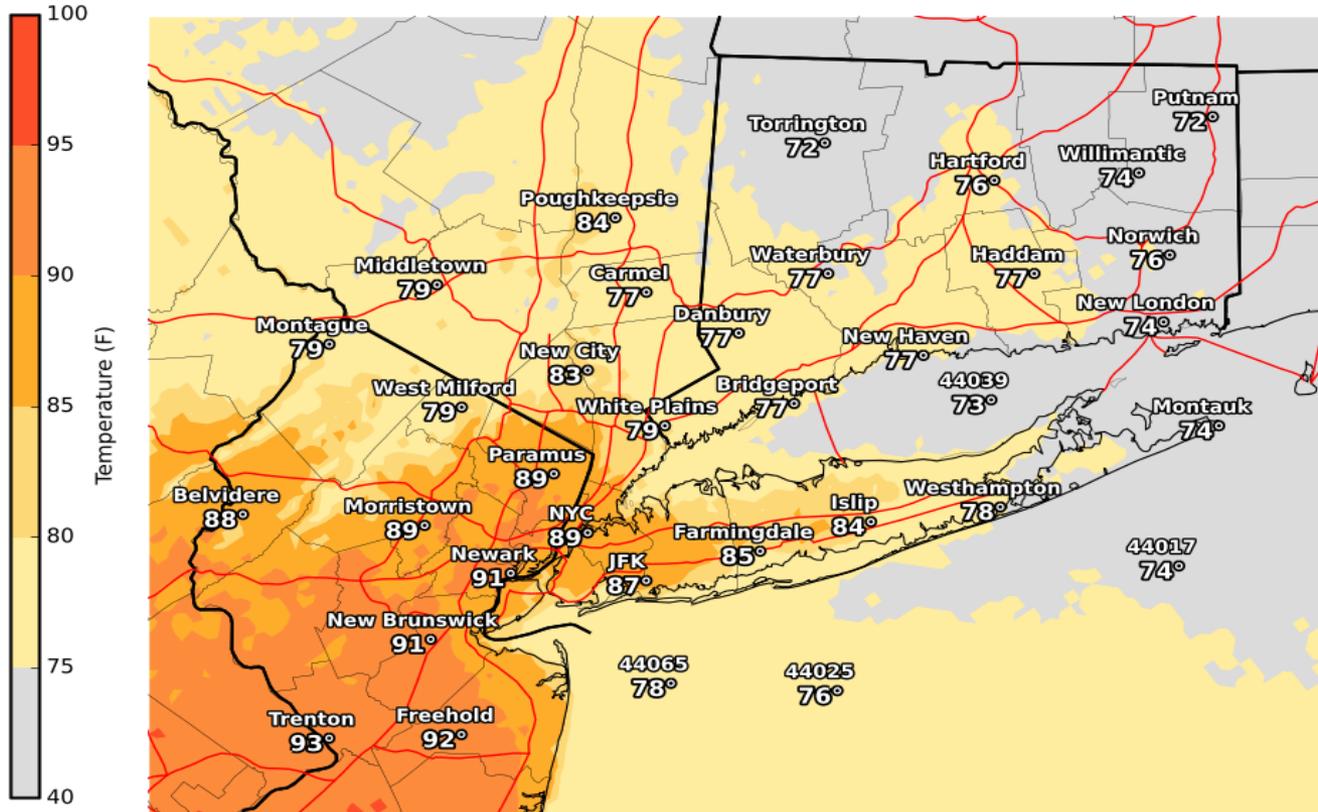


National Weather Service
New York NY
07/17/2019 02:29 PM EDT

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Max Heat Index Values Thursday Afternoon

Thursday - Maximum Heat Index Temperatures
Valid: July 18, 2019

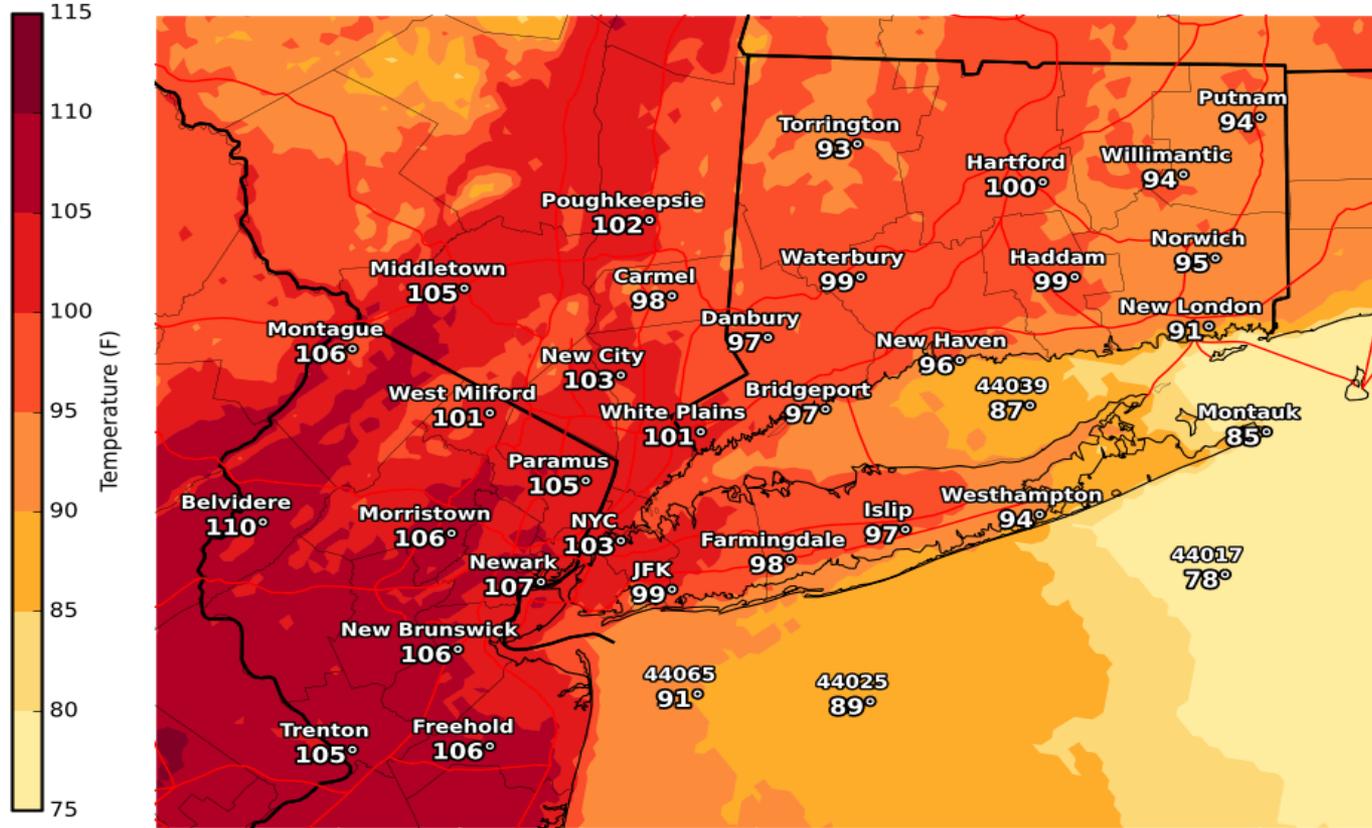


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Max Heat Index Values Friday Afternoon

Friday - Maximum Heat Index Temperatures
Valid: July 19, 2019

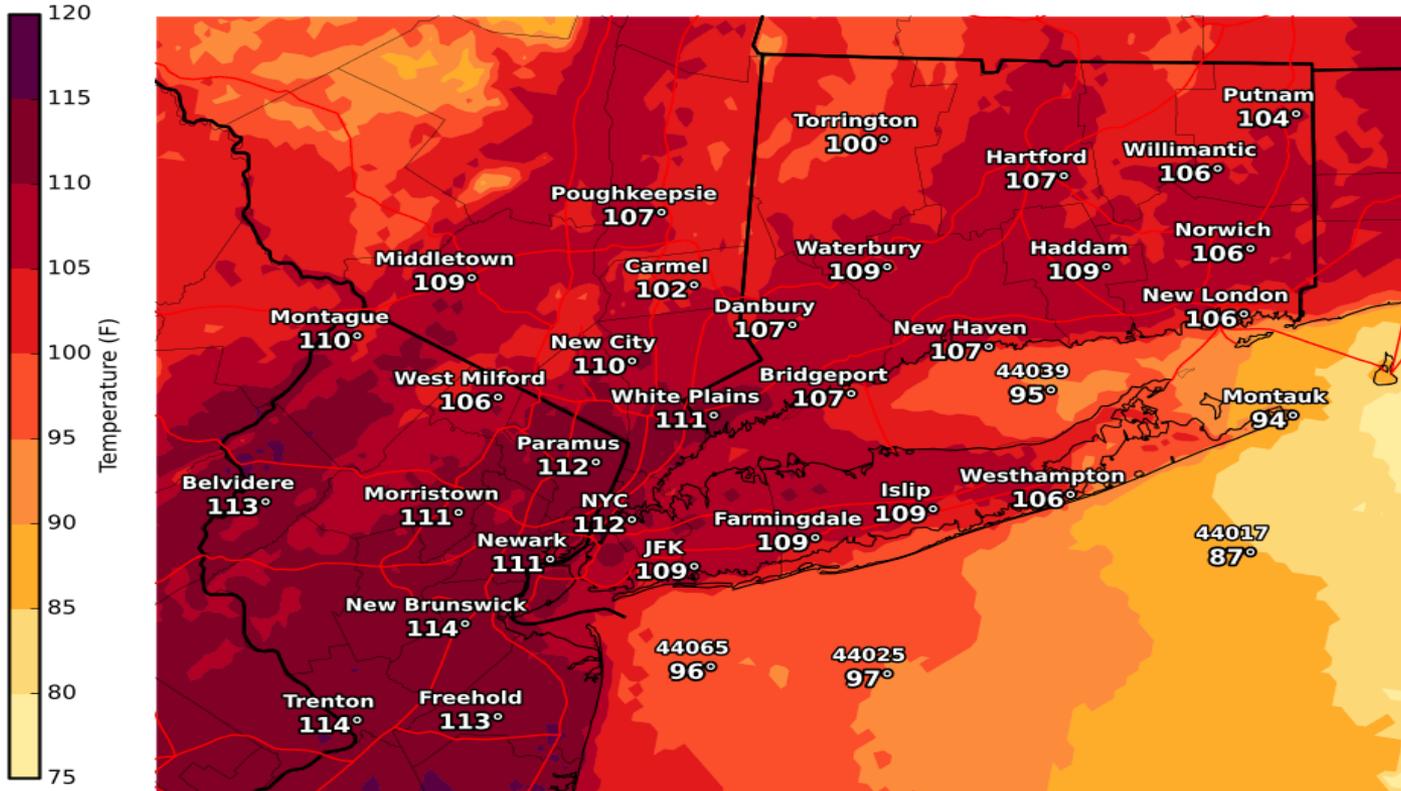


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Max Heat Index Values Saturday Afternoon

Saturday - Maximum Heat Index Temperatures
Valid: July 20, 2019

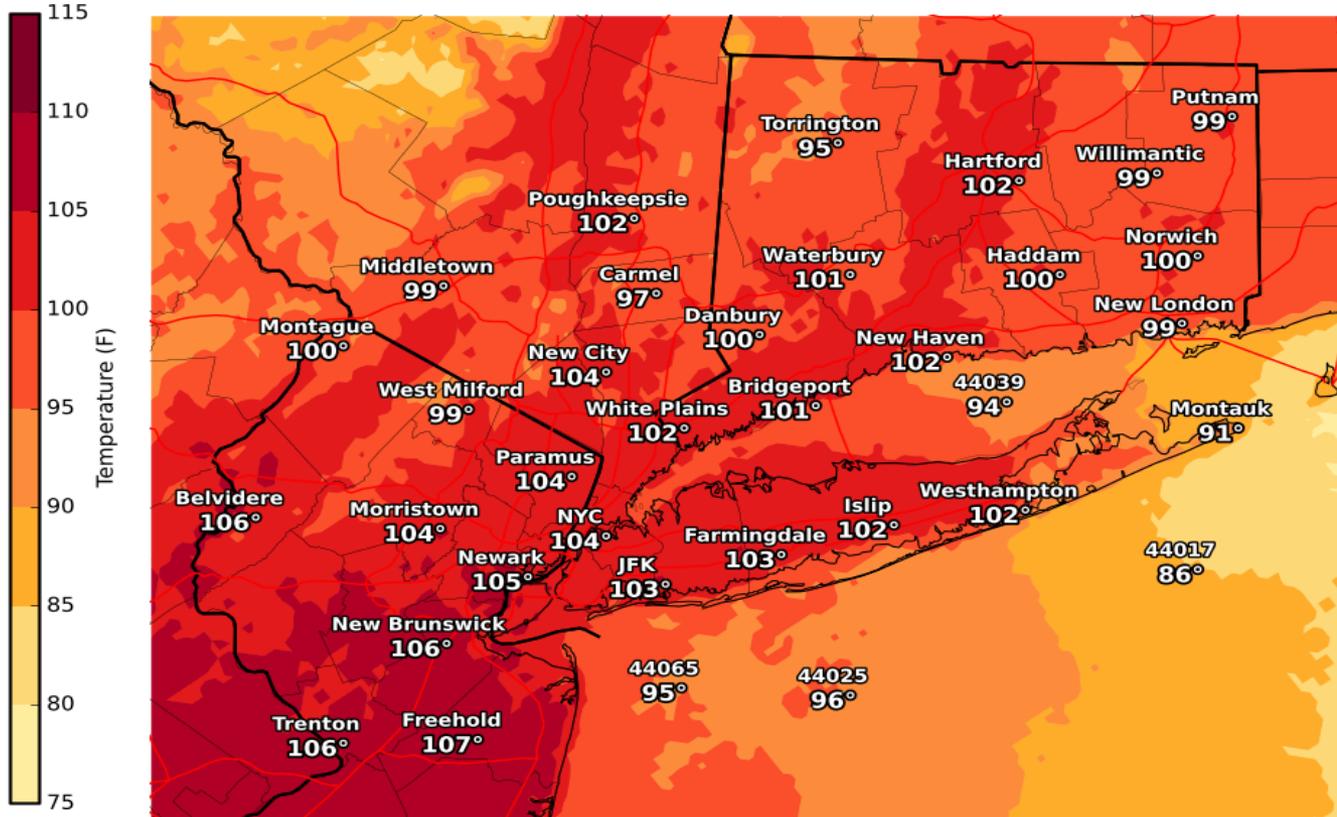


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Max Heat Index Values Sunday Afternoon

Sunday - Maximum Heat Index Temperatures
Valid: July 21, 2019



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Event Summary

- ✓ Severe thunderstorms are possible this afternoon and evening with damaging winds being the primary threat.
- ✓ Heavy rain may result in flash flooding this afternoon and tonight.
- ✓ Dangerous heat and humidity Friday, Saturday, and possibly Sunday for the entire Tri-State Area.
- ✓ Heat index values of 95 (Twin Forks) to as high as 112 (interior NE NJ) during the peak of the heat (Saturday) for the entire Tri-State Area.

Contact and Next Briefing Information



Next Briefing
When: *Around 10 PM Today (Wed)*
Method: *Email*



Web:
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Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 10 PM Wednesday (07/17/19).*