



## OVERVIEW

- Hot and humid conditions will combine to produce one more day of maximum heat index values ranging from the upper 90s to lower 100s today for much of the Tri-State area.
- Isolated to scattered severe thunderstorms are possible, mainly for NYC and points N and W late this aft into eve.
- Localized to scattered areas of flash flooding possible Thursday aft/eve along and ahead of a slow moving cold front.

### TIMING

- Maximum heat index values will occur between 1pm and 6pm today.
- Isolated to Scattered severe thunderstorm threat from 4 pm to 10 pm, mainly for NYC and points N and W

### HAZARDS & IMPACTS

- Max Heat index values of 105 to 107 F across much of northeastern NJ.
- Max Heat index values of 100 to 104 F for NYC, interior southern CT, W LI and the Lower Hudson Valley. A few spots could briefly touch 105 F.
  - There is an increased risk of heat related illness with prolonged outdoor activity.
- Damaging wind gusts will be primary threat with severe thunderstorms

### NWS ALERTS

- Excessive Heat Warning now in effect for most of NE NJ through 8pm.
- Heat Advisory elsewhere through 8pm, except southeastern Suffolk County.

### THU/THU PM OUTLOOK

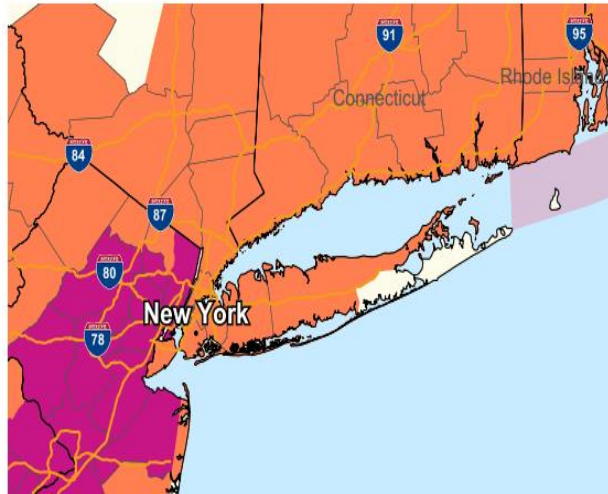
- A slow moving cold front will bring potential for heavy downpours and thunderstorms moving over the same area Thu afternoon into evening.
- Swath of 1 to 3" of rainfall, with locally higher amounts, possible across the local Tri-State. Exact location will have to be refined over the next 24 hours.
- Localized to scattered areas of flash flooding possible Thu aft/eve
  - Rainfall rates of 1-2"/hr.
- Isolated strong to severe storms possible Thu aft.

### NEXT BRIEFING

- This afternoon by 5pm.



## Current Watches, Warnings, and Advisories



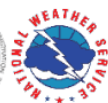
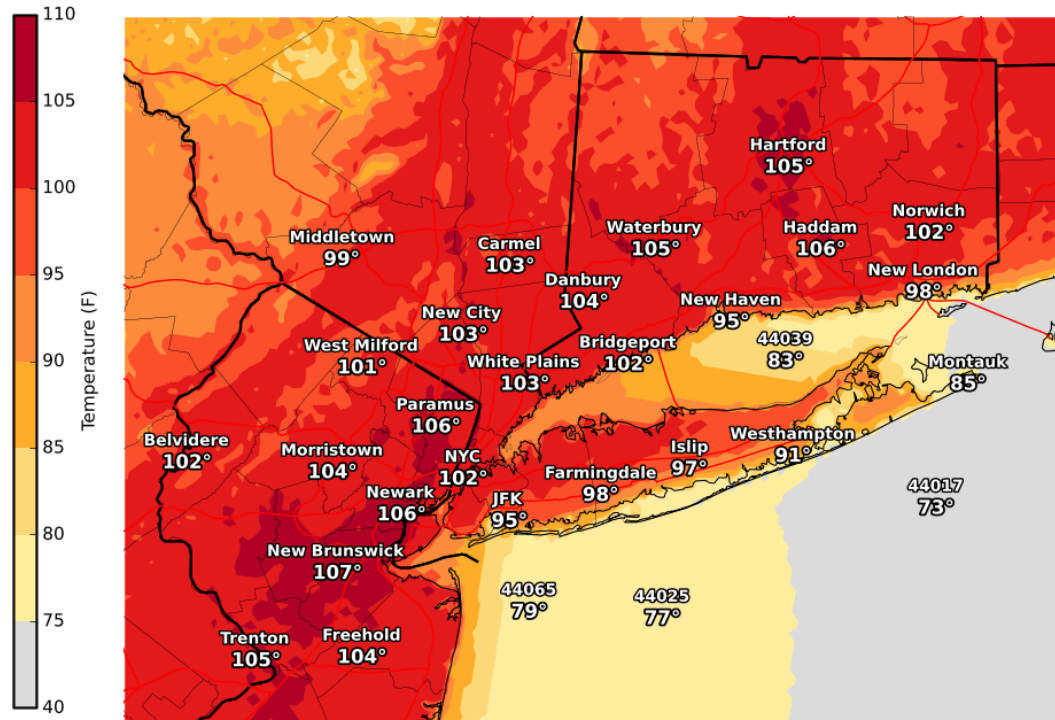
■ Excessive Heat Warning  
■ Heat Advisory

Graphic Created  
 June 30th, 2021  
 5:30 AM EDT



# Today's Maximum Heat Index Temperatures

Valid: June 30, 2021



National Weather Service  
New York NY  
06/30/2021 04:04 AM EDT

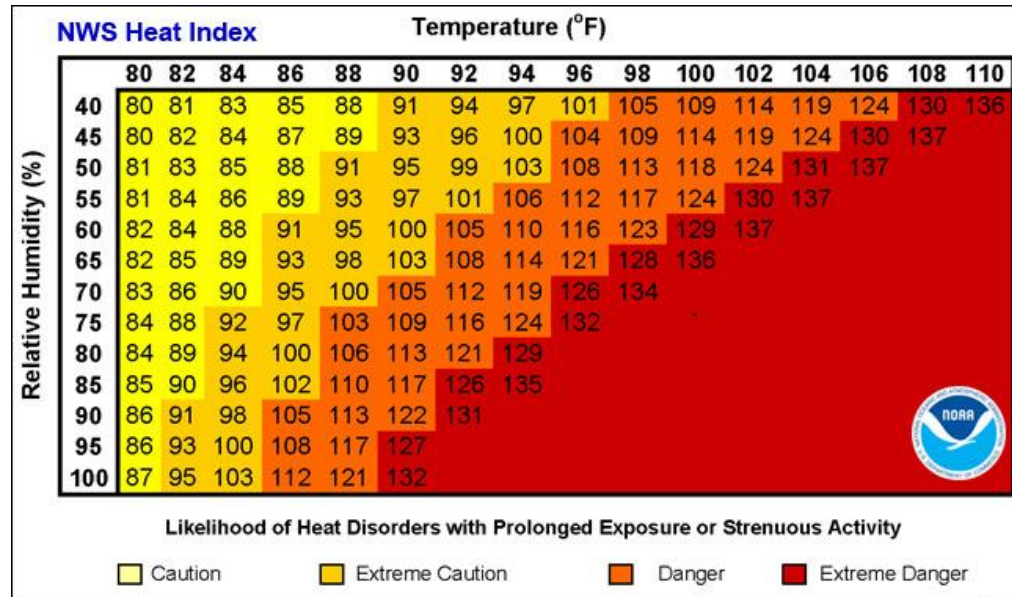
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# NWS Heat Index and Effects...



The heat index is a measure of how hot it really feels when relative humidity is factored in with air temperature. You can use this chart to find the heat index yourself. For more information on Heat Safety, please go to:

<https://www.weather.gov/safety/heat>

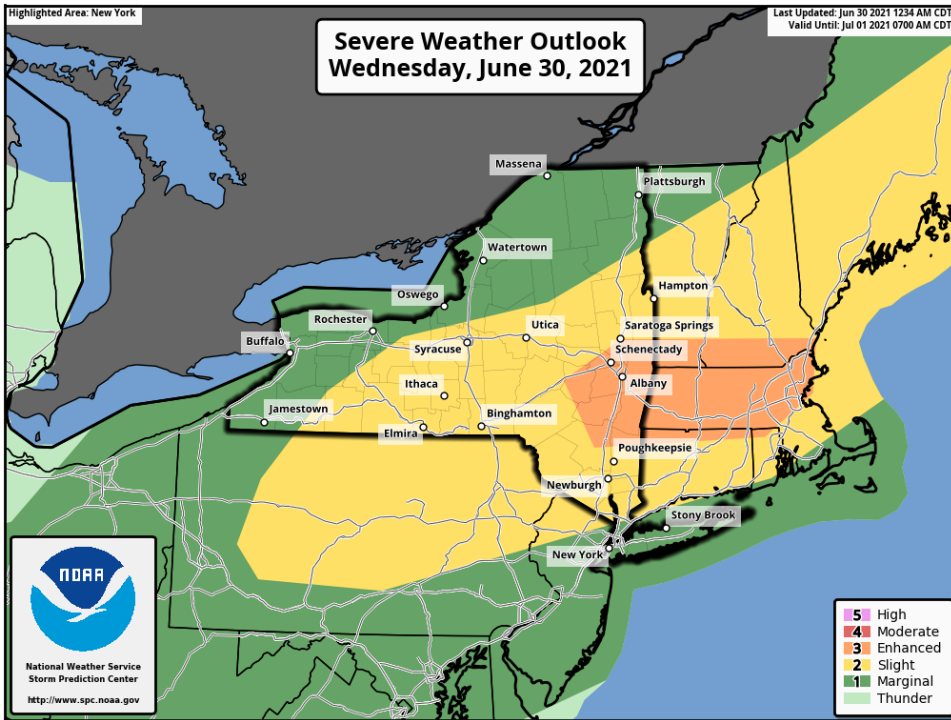


Classification	Heat Index	Effect on the body
Caution	80°F - 90°F	Fatigue possible with prolonged exposure and/or physical activity
Extreme Caution	90°F - 103°F	Heat stroke, heat cramps, or heat exhaustion possible with prolonged exposure and/or physical activity
Danger	103°F - 124°F	Heat cramps or heat exhaustion likely, and heat stroke possible with prolonged exposure and/or physical activity
Extreme Danger	125°F or higher	Heat stroke highly likely

# Severe Threat for late this Afternoon into Evening



New York, NY  
WEATHER FORECAST OFFICE



## Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense

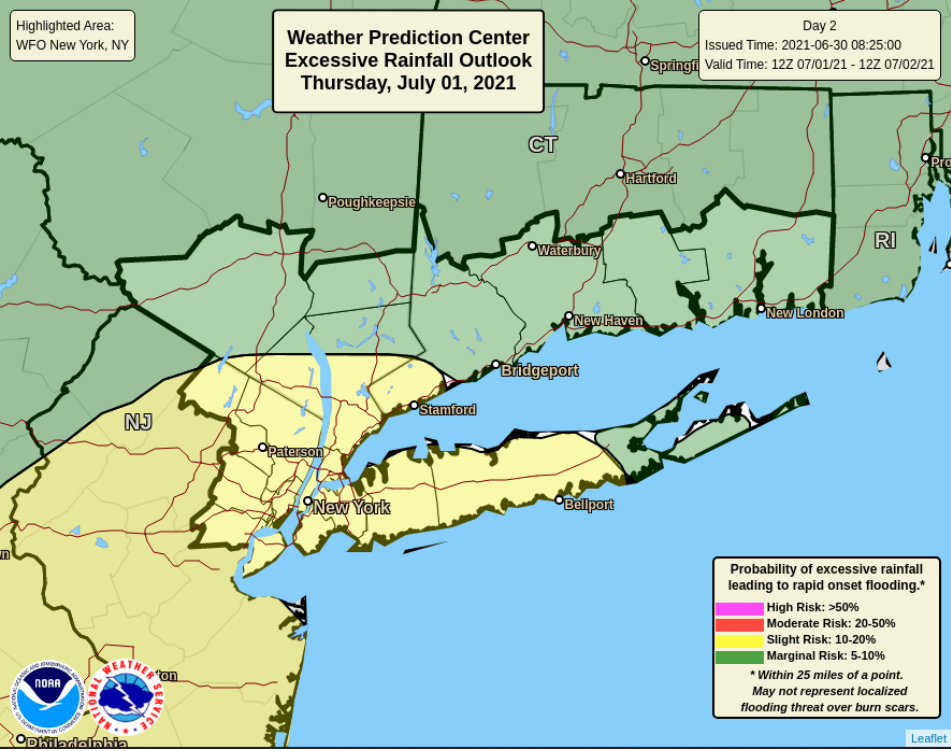
\* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service  
[www.spc.noaa.gov](http://www.spc.noaa.gov)



# Flash Flood Threat for Thursday Afternoon into Evening



## Understanding WPC Excessive Rainfall Risk Categories

No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.