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
<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Flood</td>
<td>• 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.</td>
<td>Entire Tri-State Region</td>
<td>This afternoon through tonight</td>
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<tr>
<td>Watch</td>
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<tr>
<td>Severe T-Storms</td>
<td>• Some thunderstorms may be severe with damaging winds being the primary hazard.</td>
<td>Entire Tri-State Region</td>
<td>This afternoon and evening (SEVERE THUNDERSTORM WATCH IN EFFECT UNTIL 10PM)</td>
</tr>
<tr>
<td>Heat</td>
<td>• Extreme heat can cause illness and death among at-risk population who cannot stay cool.</td>
<td>(EXCESSIVE HEAT WATCH FOR NE NJ FRIDAY AND ENTIRE TRI-STATE SATURDAY except LI Twin Forks)</td>
<td>Heat Index values will range from 105 to 110 Fri and Sat, and 100 to 105 on Sun</td>
</tr>
</tbody>
</table>

New York, NY
Summary of Greatest Impacts

- **Flash Flood Watch: NE NJ, NYC and S Westchester**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Severe T-Storms: Entire Tri-State Region**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Heat: Entire Tri-State Region**
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme
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)

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

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

Temperature (°F):
- 110
- 105
- 100
- 95
- 90
- 85
- 80
- 75
- 70
- 65
- 60
- 55
- 50

Locations with Heat Index Values:
- New York, NY
- Trenton 105°
- Freehold 107°
- Belvidere 101°
- Morristown 101°
- Newark 104°
- Paramus 102°
- Montague 94°
- Middletown 92°
- Poughkeepsie 98°
- Carmel 94°
- Waterbury 97°
- Torrington 94°
- Hartford 97°
- Norwich 101°
- Putnam 98°
- Willimantic 98°
- Haddam 98°
- New Haven 105°
- Bridgeport 98°
- New London 97°
- West Milford 94°
- Montauk 96°
- Islip 99°
- Farmingdale 94°
- Westhampton 78°
- Montauk 79°
- JFK 70°
- 44065 77°
- 44023 78°
- 44087 78°

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

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Presented by:
Weather Forecast Office
New York, NY
Presentation Created
7/17/2019 3:34 PM
Max Heat Index Values Thursday Afternoon

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

Temperature (F)

National Weather Service
New York NY
07/17/2019 02:29 PM EDT
weather.gov/nyc
Max Heat Index Values Saturday Afternoon

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

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

Follow Us: weather.gov/nyc
Max Heat Index Values Sunday Afternoon

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

Temperature (°F)

New York, NY
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

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