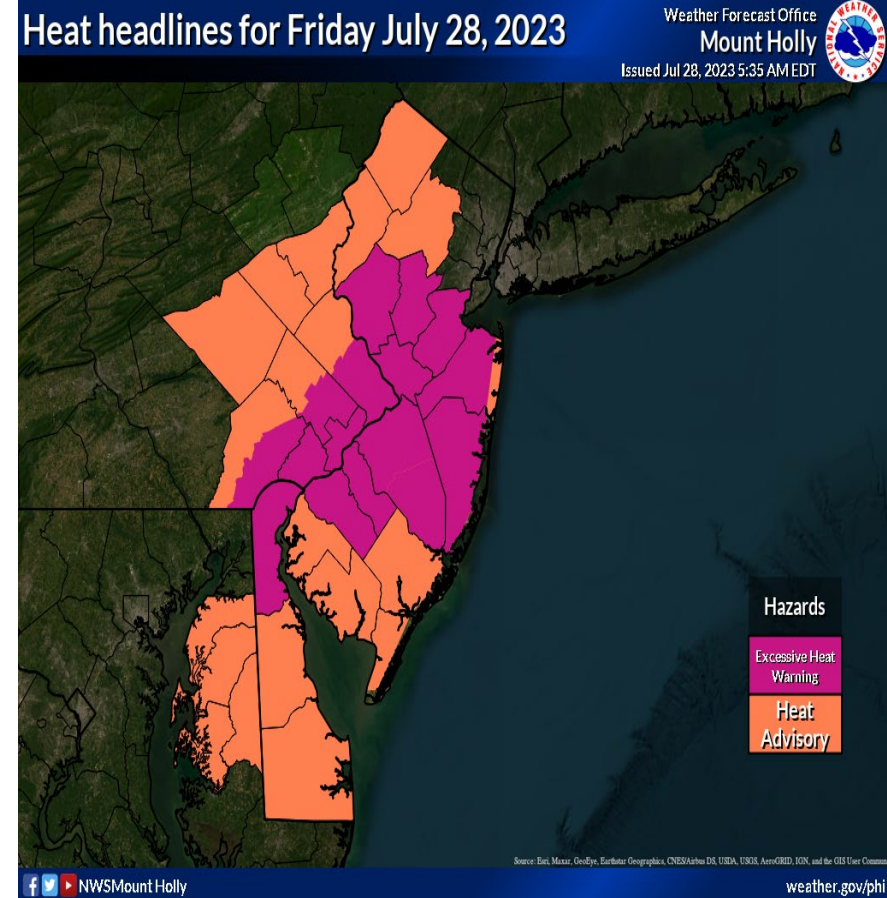


Heat and Severe Weather July 28-29, 2023

Decision Support Briefing #2 As of: 6 AM, Friday, July 28, 2023

What Has Changed?

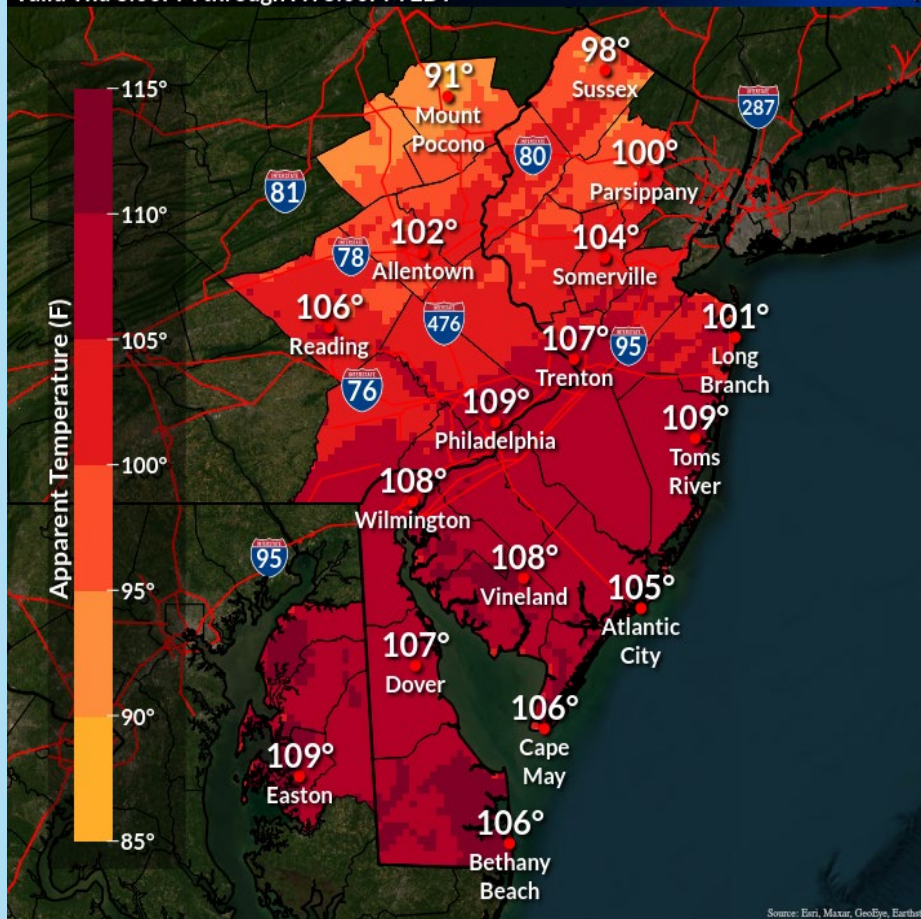
✓ Routine update – few changes.



Heat Index and Hazards for Today

Maximum Apparent Temperatures on Friday

Valid Thu 8:00PM through Fri 8:00PM EDT



f t v NWSMount Holly

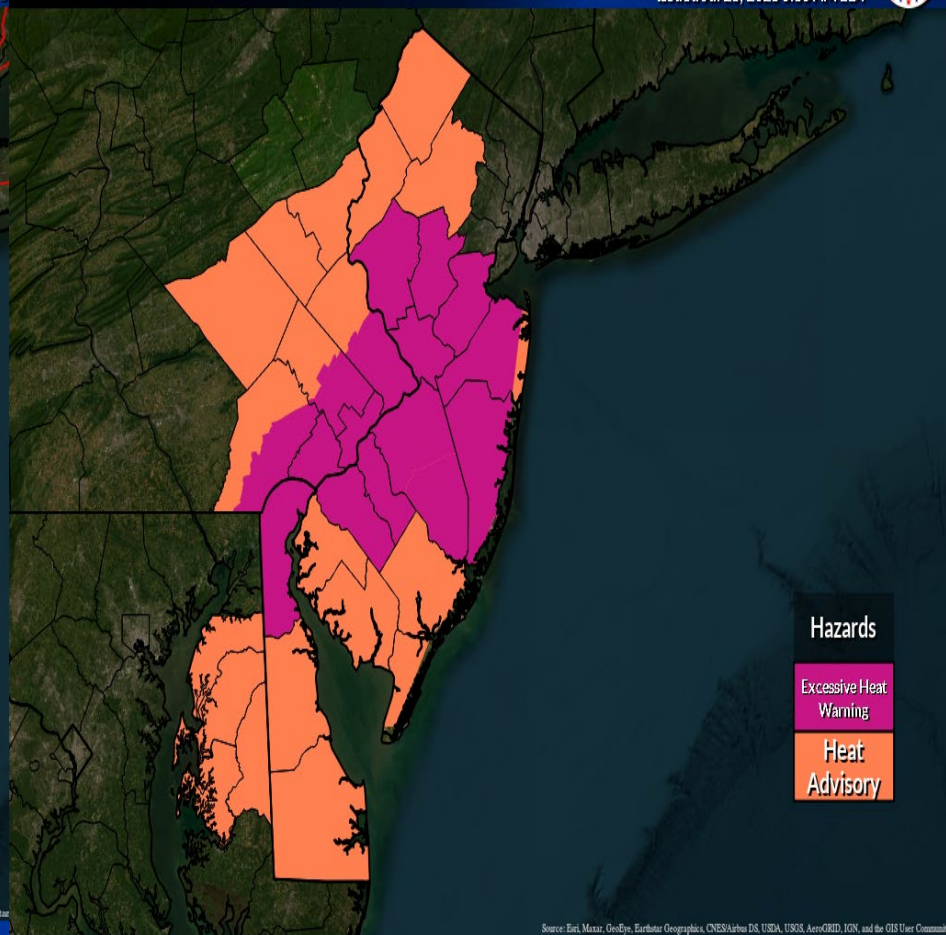
Source: Esri, Maxar, GeoEye, Earthstar

Heat headlines for Friday July 28, 2023

Weather Forecast Office

Mount Holly

Issued Jul 28, 2023 5:35 AM EDT



Hazards

Excessive Heat
Warning

Heat
Advisory

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

f t v NWSMount Holly

weather.gov/phi

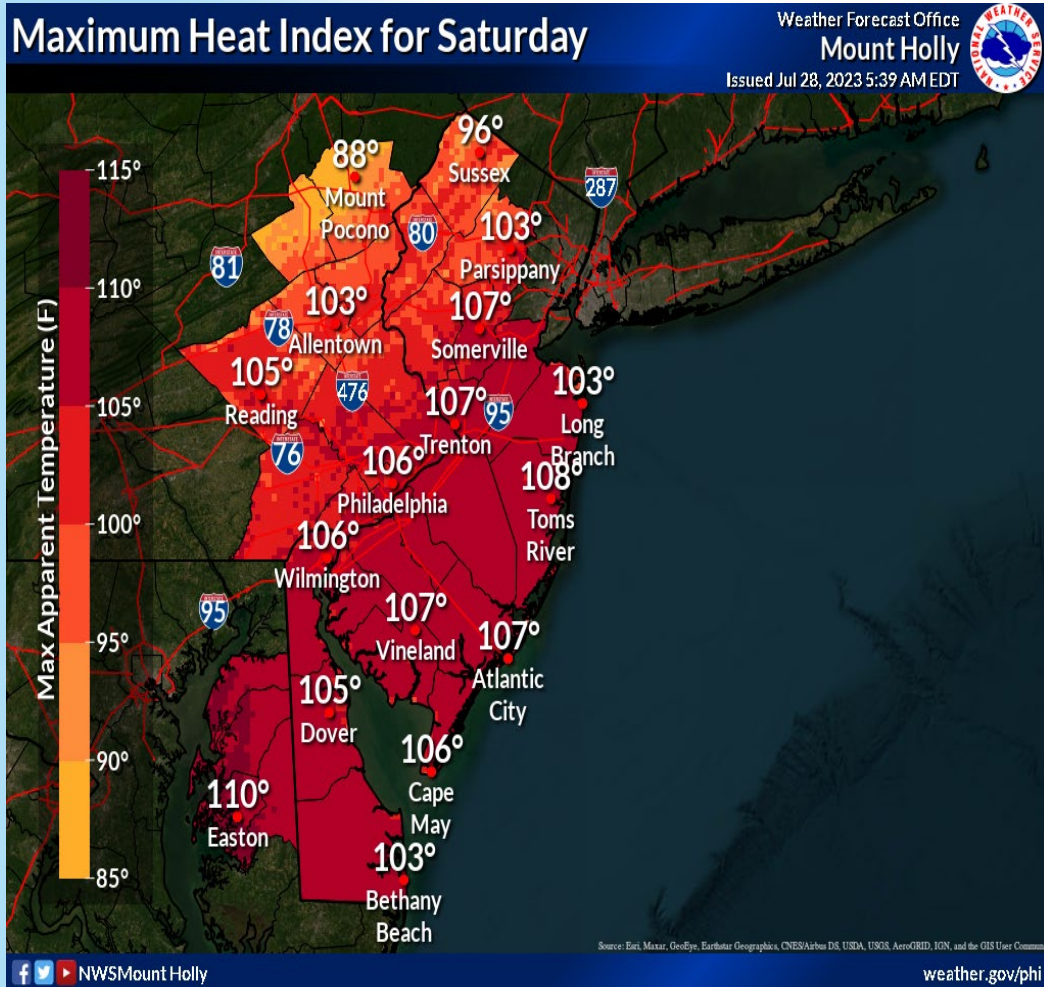


@NWS_MountHolly



NWSMountHolly

Heat Index for Saturday



A Heat Advisory may be needed for the Urban Corridor and portions of southern New Jersey on Saturday.

Convective Weather Outlook

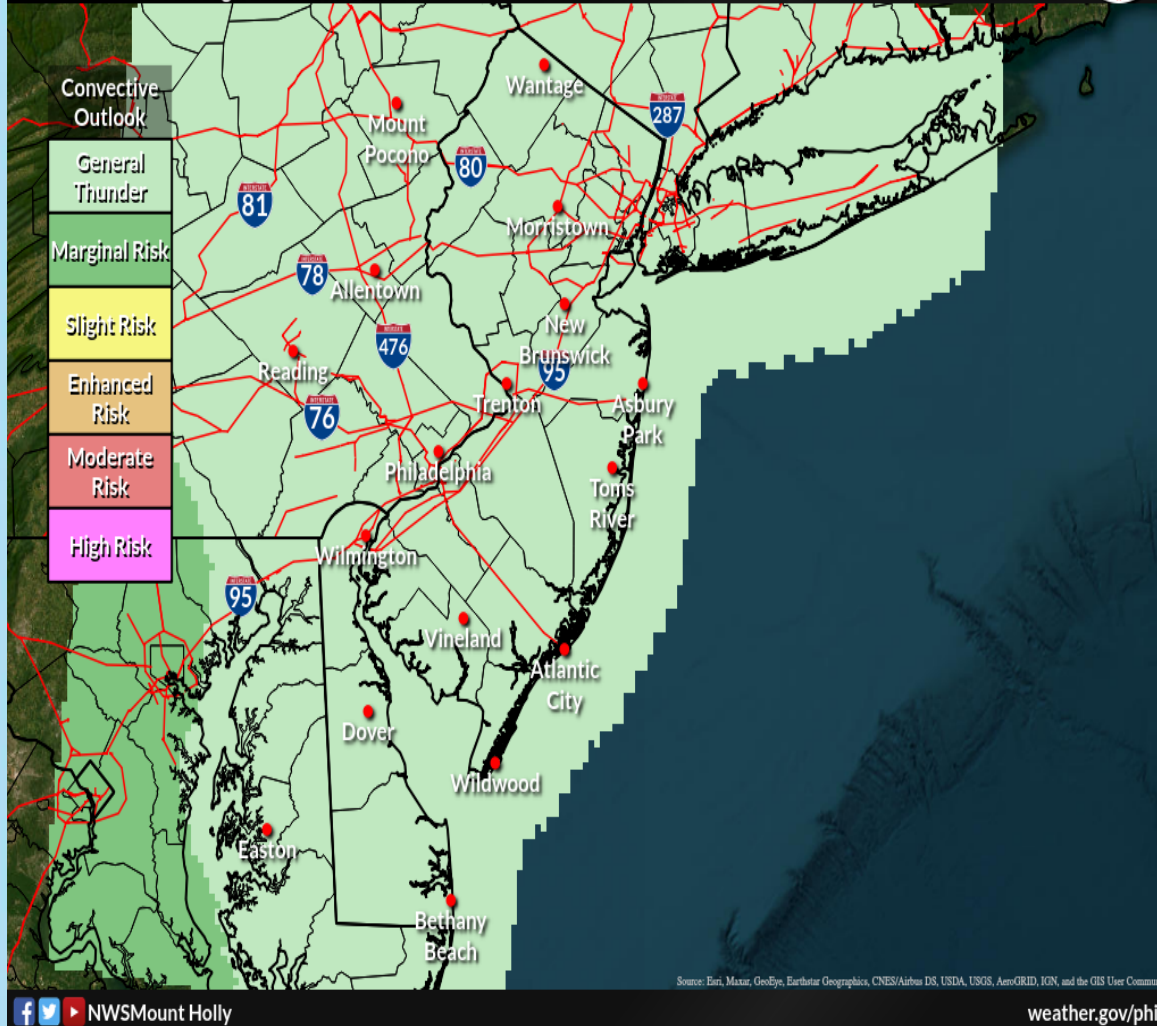
Day 1 Convective Outlook

Valid Fri 8:00AM through Sat 8:00AM EDT

Weather Forecast Office

Mount Holly

Issued Jul 28, 2023 5:02 AM EDT



**Friday afternoon
through Friday evening:**

General thunderstorms
possible: Low risk

Convective Weather Outlook

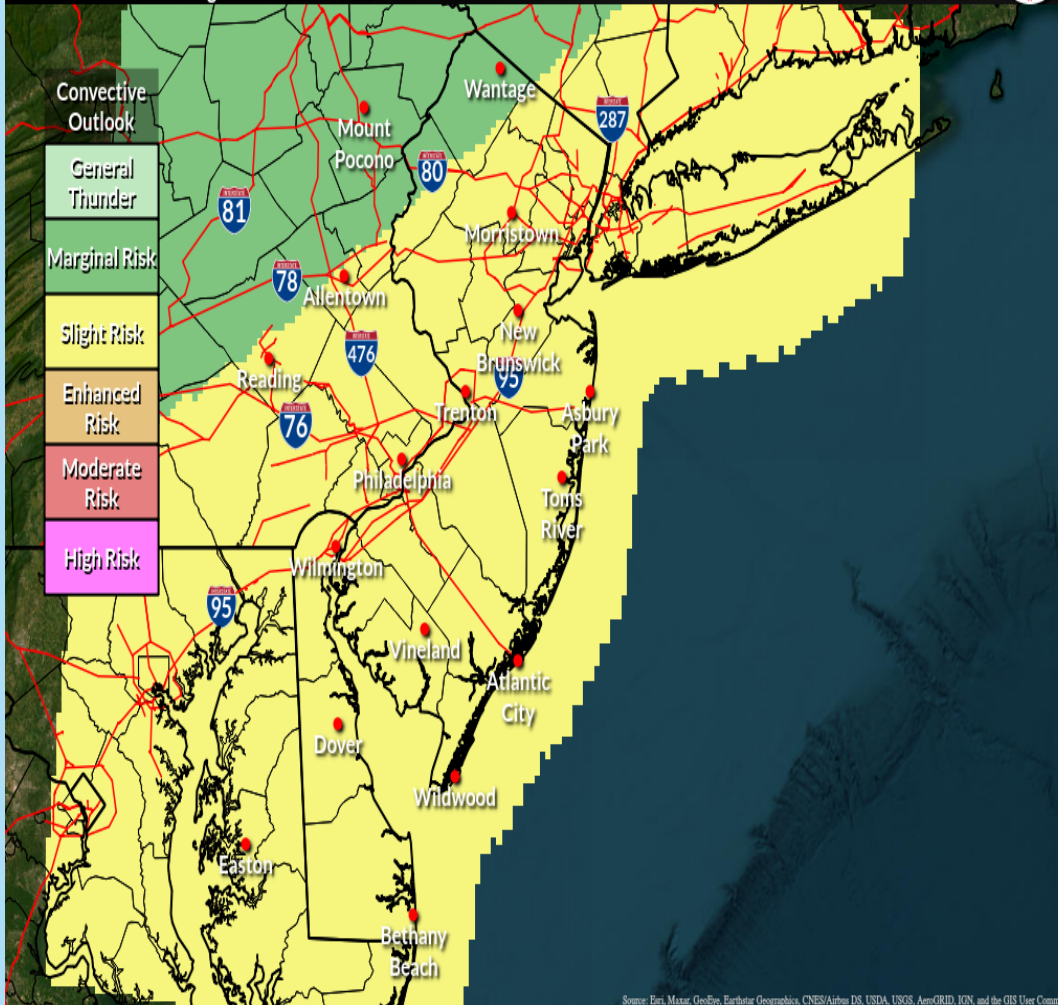
Day 2 Convective Outlook

Valid Sat 8:00AM through Sun 8:00AM EDT

Weather Forecast Office

Mount Holly

Issued Jul 28, 2023 5:02 AM EDT



Source: Eri, Mass; GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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**Saturday afternoon
through Saturday
evening:**

Primary threat:






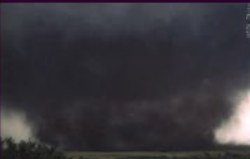
Damaging wind gusts of 60 to 70 mph. There is a lesser threat for hail.

Localized flash flooding.



Convective Weather Outlook

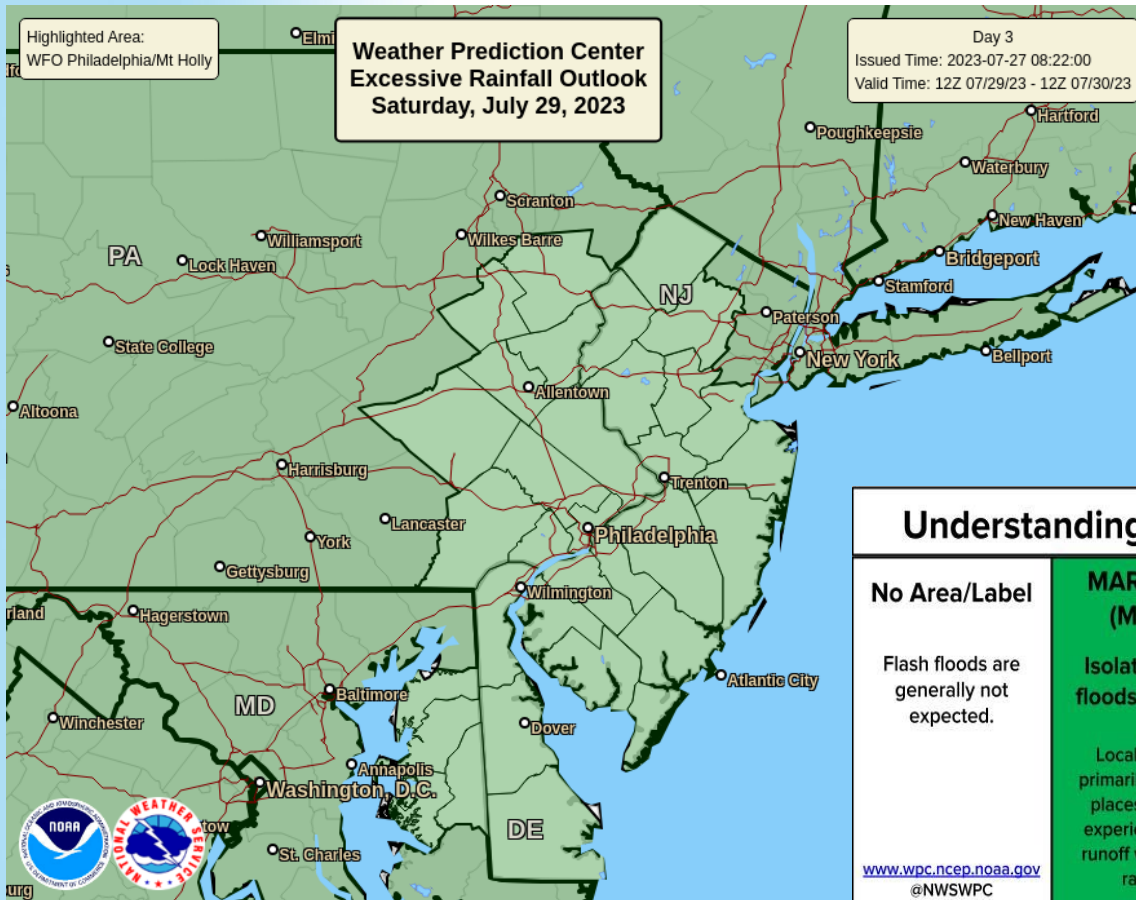
Understanding Severe Thunderstorm Risk Categories

| 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 <u>all</u> 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 |
|  |  |  |  |  |  |
| <ul style="list-style-type: none"> • Winds to 40 mph • Small hail | <ul style="list-style-type: none"> • Winds 40-60 mph • Hail up to 1" • Low tornado risk | <ul style="list-style-type: none"> • One or two tornadoes • Reports of strong winds/wind damage • Hail ~1", isolated 2" | <ul style="list-style-type: none"> • A few tornadoes • Several reports of wind damage • Damaging hail, 1 - 2" | <ul style="list-style-type: none"> • Strong tornadoes • Widespread wind damage • Destructive hail, 2" + | <ul style="list-style-type: none"> • Tornado outbreak • Derecho |
| <p>* 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.</p> | | | | | |

Excessive Rainfall Outlook

**Saturday afternoon
through Saturday night:**

Localized flash flooding.



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. |
| @NWSWPC | | | | |
| Flash flooding near me? | Flash Flooding | Flash Flooding | Flash Flooding | Flash Flooding |
| NO Flash Flooding | | | | |
|   WEATHER PREDICTION CENTER |  |  |  |  |

Event Summary

- ✓ High heat and humidity will be in place through Saturday.
- ✓ Heat Advisories and Excessive Heat Warnings are in effect for today (Friday July 27) as Heat Index values will range from 100° to 110°.
- ✓ Only a widely scattered thunderstorm is expected today, but more widespread thunderstorms are expected Saturday.
- ✓ Excessive Heat Warnings are in effect for the urban corridor, including Philadelphia, and parts of NJ for Heat Index Values 105° to 109° today, July 28. Heat Advisories in effect most elsewhere, including Delmarva and southern NJ, though criteria for Excessive Heat Warnings are higher there.
- ✓ Heat Advisories may be needed Saturday for the urban corridor and parts of New Jersey. Late day and evening showers and thunderstorms are likely with damaging winds and localized flash flooding possible.

Contact and Next Briefing Information

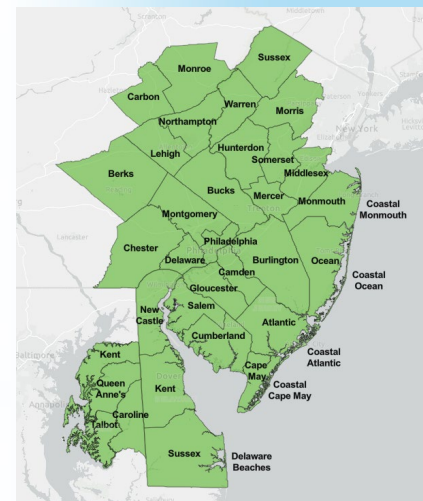


Next Briefing

When: 7 am Saturday, July 29, 2023
UNLESS there are changes to the forecast.

Briefing Webpage:

www.weather.gov/media/phi/current_briefing.pdf



Web:

www.weather.gov/phi



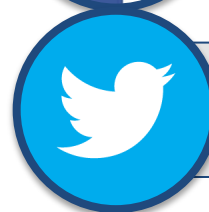
Phone (public):

(609) 261-6600



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