



# HURRICANE HENRI BRIEFING

5:30 PM EDT  
Saturday, August 21, 2021

What has changed: Track slightly farther east; no changes to warnings

Next Briefing: Sunday, August 22 by 6 AM EDT

*Disclaimer: The information contained within is time-sensitive. Do not use after 6:00 am EDT Sunday.*



# Situation Overview

## Hurricane Henri

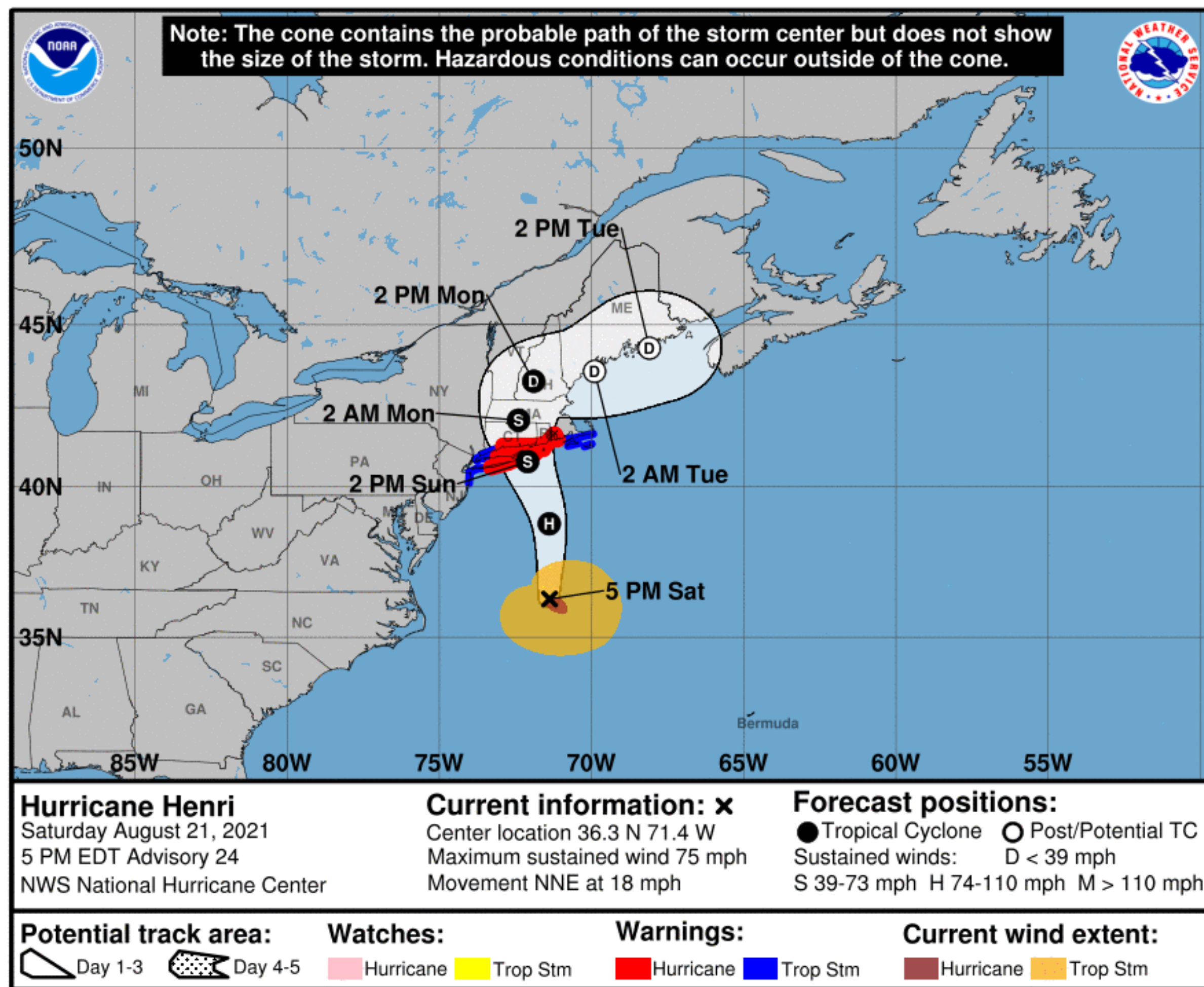
- At 5 PM Saturday, Hurricane Henri, with 75 mph winds, was 335 miles south of Montauk Point, NY, moving north at 18 mph. Wind field was still expanding on the southeast side of storm.
- Track has shifted very slightly eastward, with landfall (as strong tropical storm or low-end Category 1 hurricane) expected between eastern Long Island and near the CT/RI border during the early afternoon Sunday.
- Storm impacts from late tonight into early Monday, with heavy rain possibly lingering into Monday as Henri weakens rapidly over land.
- Threats include:
  - Inland flooding rains – CT into western/central MA highest risk
  - Storm surge flooding and beach erosion along the south coast
  - Damaging winds east of the track – RI highest risk





# Situation Overview

## Hurricane Henri



- Hurricane Warnings in effect for coastal RI (including Block Island) and portions of southern CT
- Tropical Storm Warning in effect for inland CT, RI, and the south coast of MA including Cape Cod, Martha's Vineyard, and Nantucket
- Storm Surge Warning in effect for all of CT, RI, and southern MA coastlines as far north as Chatham
- Cone represents historical error
  - Storm stays within cone 2/3 of time
  - Storm can track outside 1/3 of time

**NOTE:** Do not focus on the exact track.

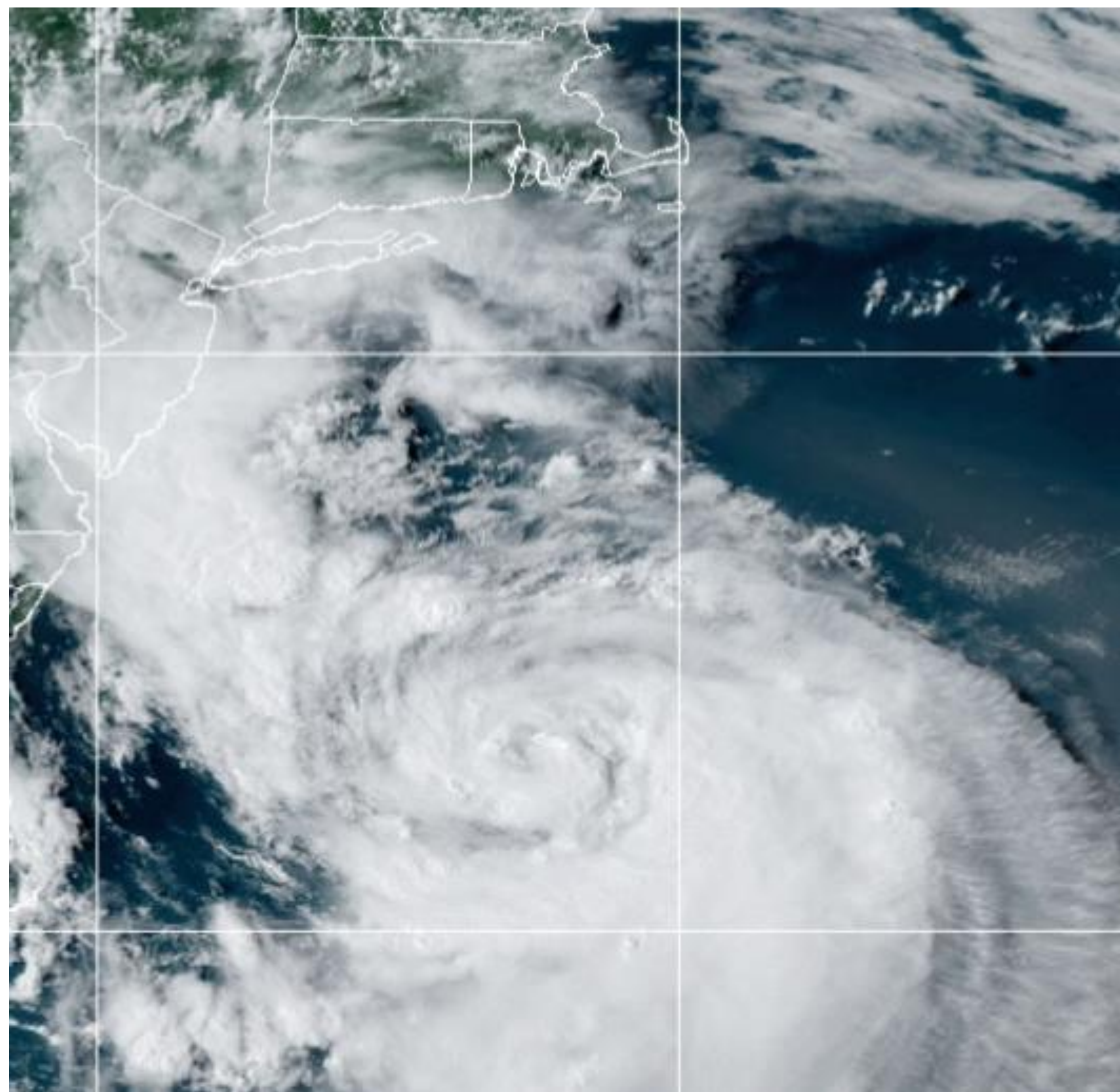
Impacts can occur well outside the area enclosed by the cone.





# Current Satellite View

Hurricane Henri

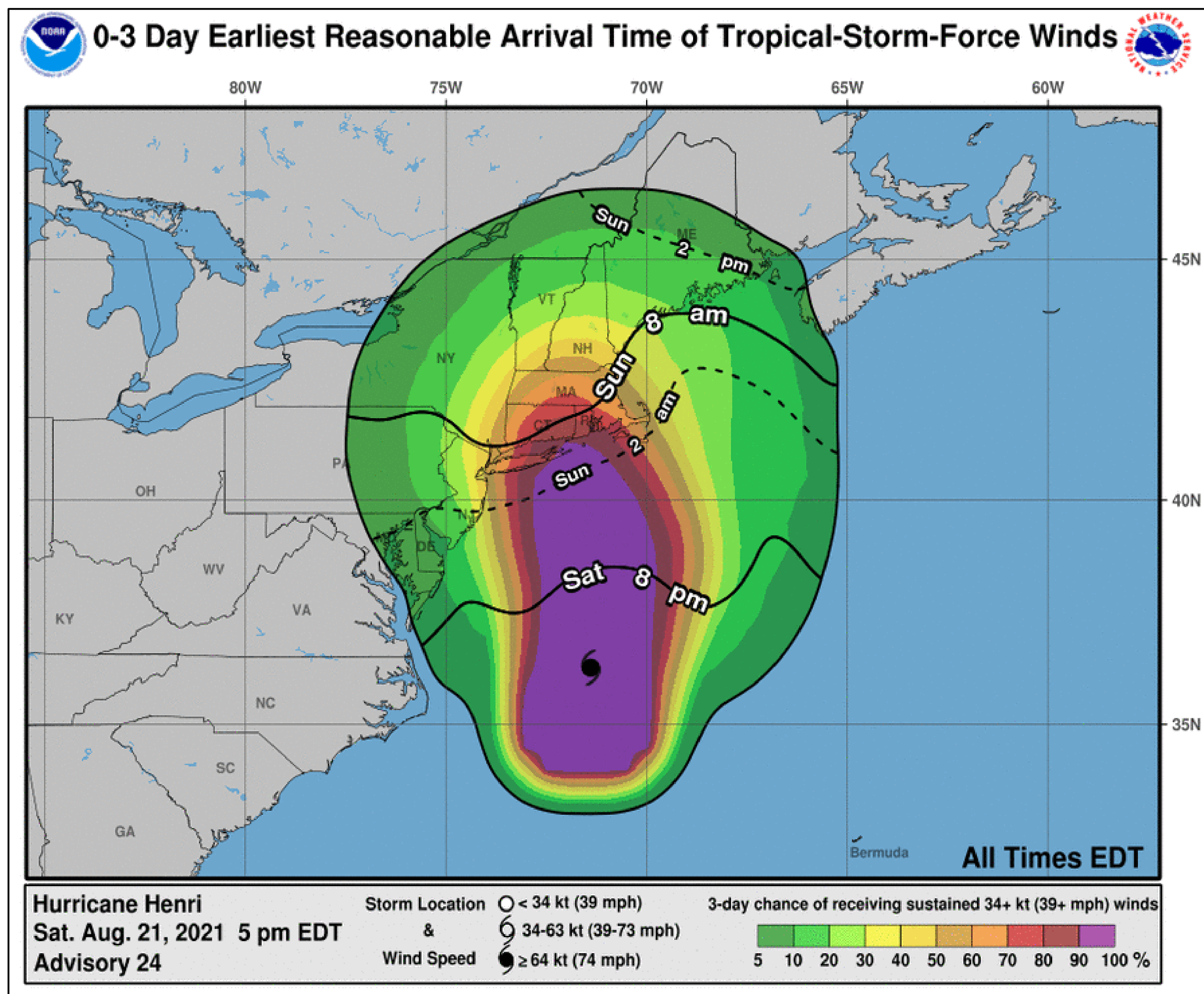


- Hurricane Henri off the mid-Atlantic coast
- Showers and thunderstorms off of the Delaware and New Jersey coast well out ahead of Henri



# Earliest Reasonable Time of Arrival

Hurricane Henri



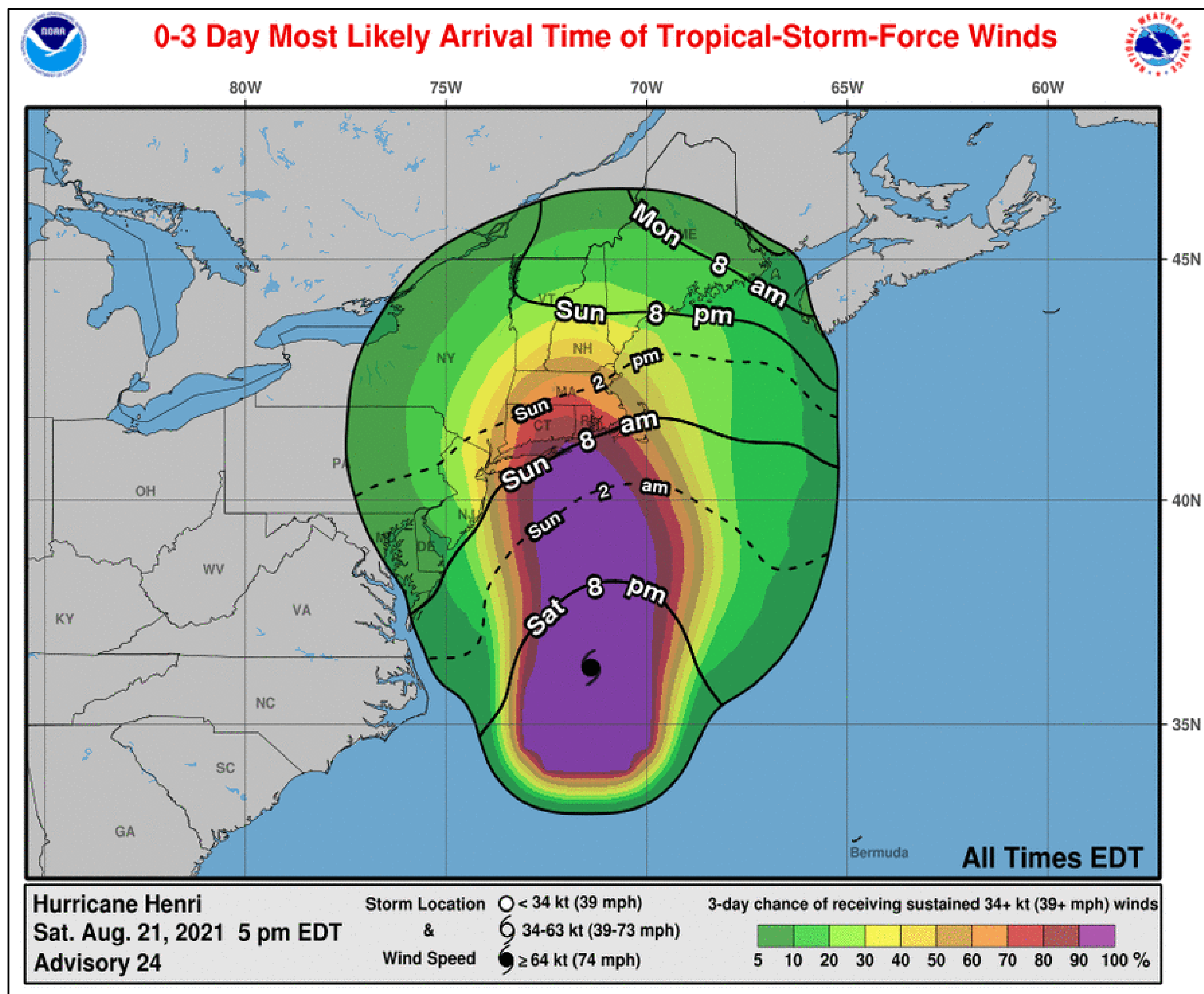
- The earliest reasonable time of arrival of tropical storm force winds for southern New England is late tonight.





# Most Likely Time of Arrival

Hurricane Henri



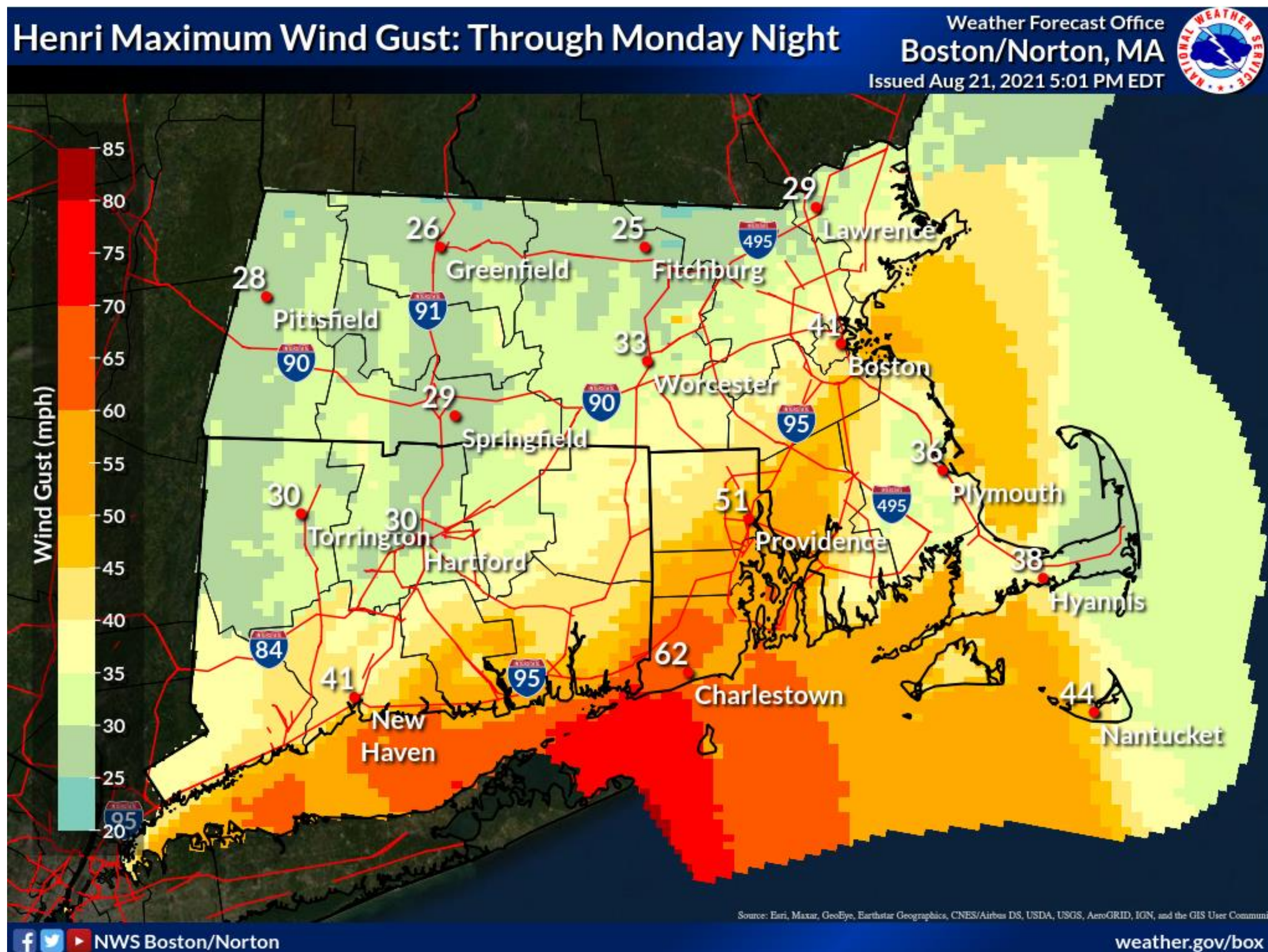
- The most likely time of arrival of tropical storm force winds is Sunday morning.





# Maximum Wind Gusts

Hurricane Henri



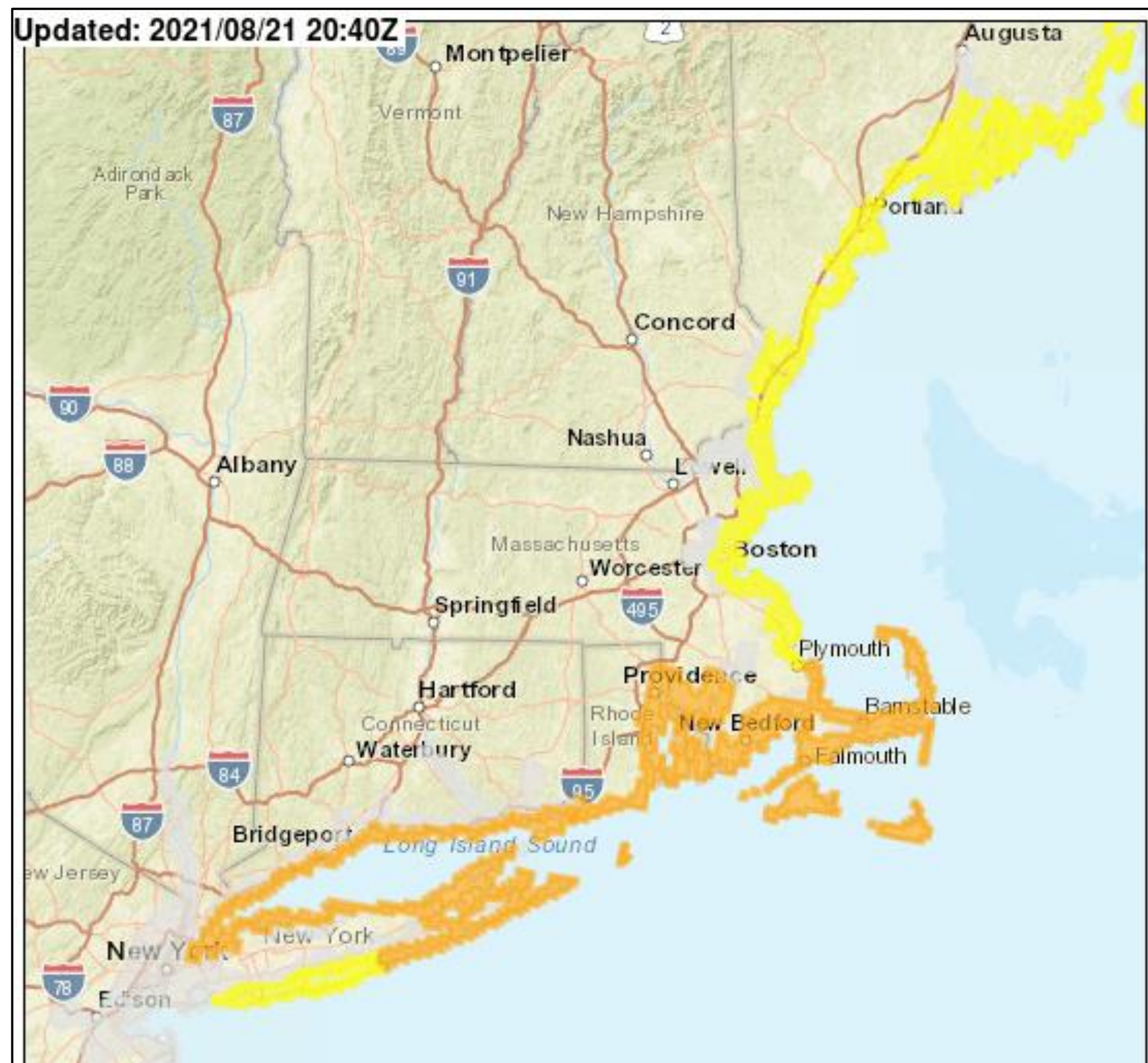
- Dangerous winds may gust to 60-70+ mph in southern RI as Henri makes landfall, then weakens as it heads northwest.
- Elsewhere, winds may gust to 30-50 mph over portions of northeast CT, central and eastern MA, and northern RI during the late morning and afternoon Sunday, rapidly diminishing after about 9 PM Sunday evening.





# Potential Storm Surge Impacts

Hurricane Henri



- Storm surge flooding likely, with inundation greater than 3 ft (3-5 ft) above ground level possible along the south coast. Narragansett Bay is most at risk.
- Maximum surge may come at low tide during the early afternoon on the south coast. But evening tide could still be a problem, since southerly flow may prevent water from evacuating bays and harbors.
- The east coast of MA north of Plymouth could experience 1 to 2 feet of inundation.

## Storm Surge Threat

Potential for storm surge flooding greater than 9 ft above ground

Potential for storm surge flooding greater than 6 ft above ground

Potential for storm surge flooding greater than 3 ft above ground

Potential for storm surge flooding greater than 1 ft above ground

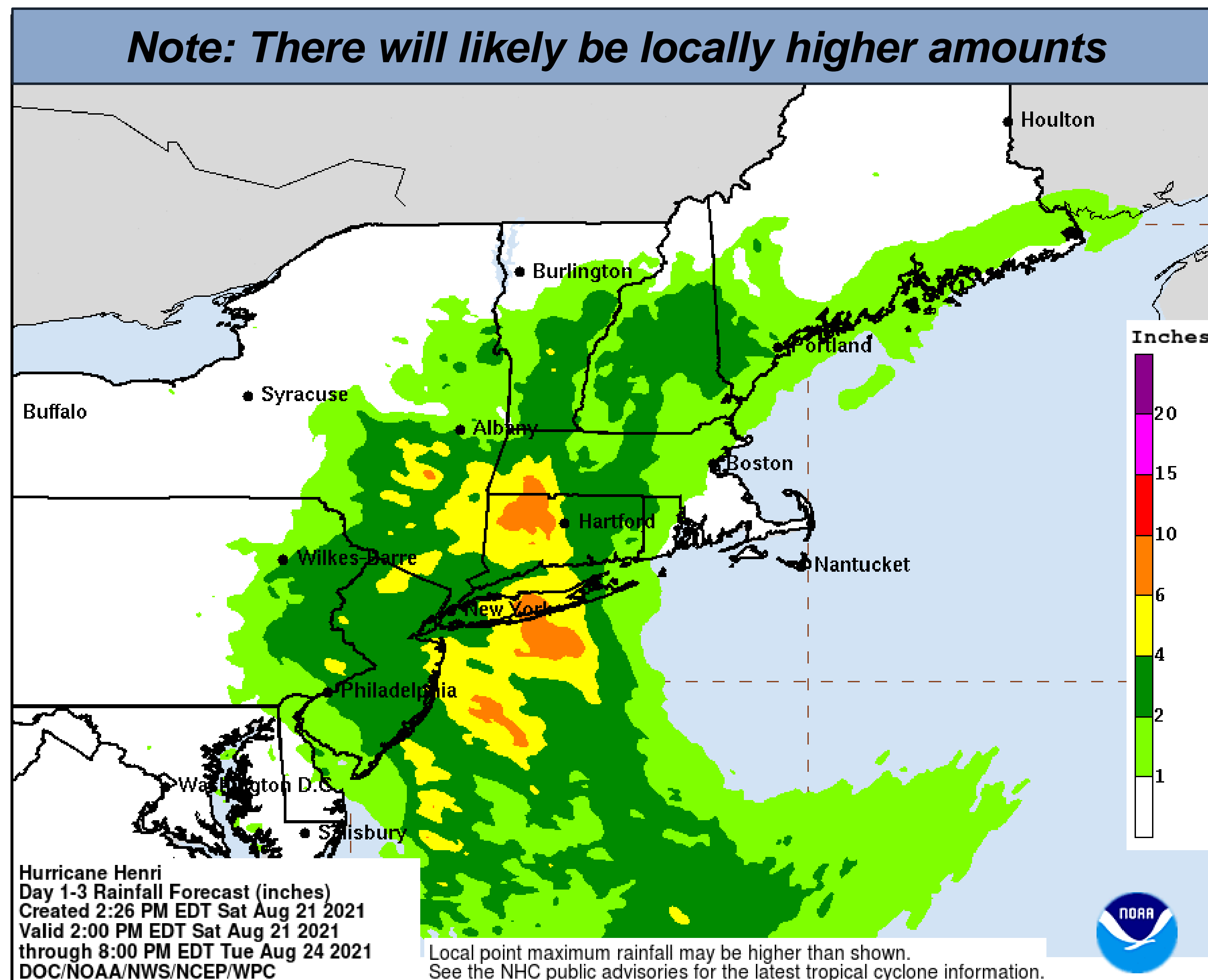
Little to no storm surge flooding





# Expected Storm Total Rainfall

Hurricane Henri



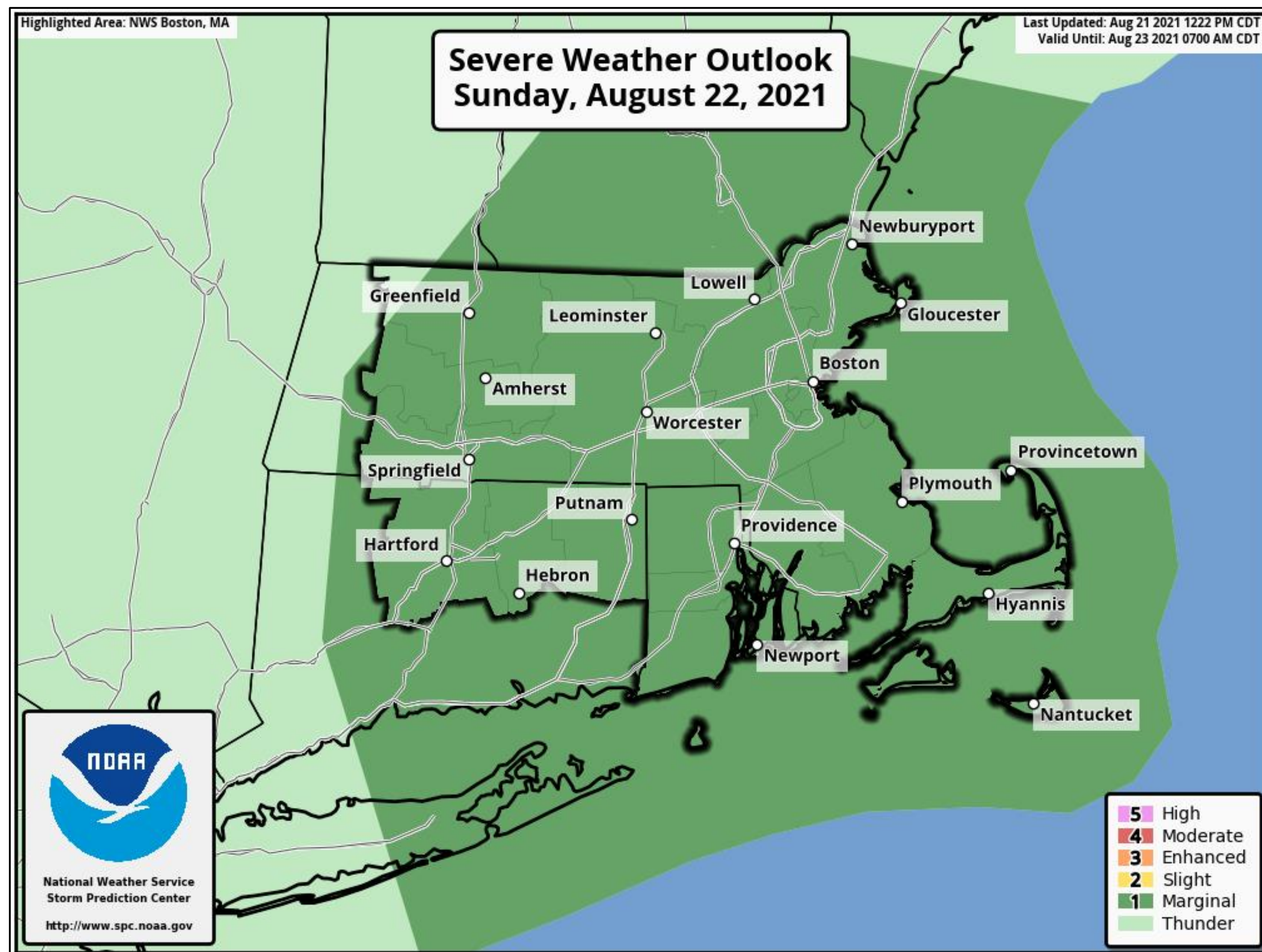
- Storm total rainfall is shown here from today through Tuesday...majority falls Sunday into early Monday.
- 4 to 8 inches of rain is forecast in western MA and western CT with locally up to 10 inches.
- This will cause significant flash flooding, urban flooding, and some main stem river flooding.
- Little rainfall in easternmost areas.





# Tornado Potential

Hurricane Henri



- There is a low risk of an isolated tornado, mainly Sunday morning through mid-afternoon.





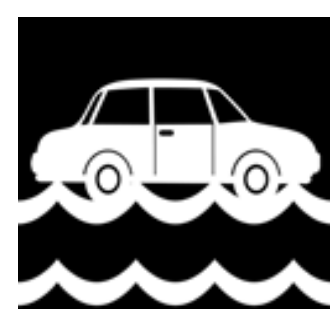
# Key Take-Aways

Hurricane Henri

Confidence is high that the event will occur and confidence is high regarding impacts.



Damaging winds expected in southern Rhode Island and damaging gusts are possible elsewhere for a short time Sunday afternoon, especially east of Henri's track. There is a low risk of an isolated tornado Sunday.



Surge flooding likely, especially in Narragansett Bay and the south coasts of RI and MA.



Rainfall flooding expected. Greatest risk is in CT and western and central MA. River flooding may continue into early next week.





Dangerous marine conditions – tropical storm or hurricane-force winds and high seas. Heavy surf will lead to beach erosion, especially on south-facing shorelines.






# Next Briefing: Sunday, August 22 by 6 AM EDT Method: Email


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