

Hurricane Hermine Briefing

National Weather Service - Weather Briefing

Thursday Afternoon, September 1, 2016



***PRELIMINARY INFORMATION FOR
EMERGENCY MANAGERS ONLY AT THIS TIME***

**National Weather Service
Boston, MA**

What We Know

- Hurricane Hermine will make landfall along the Florida gulf coast later tonight. It will be a tropical storm as it moves off the mid Atlantic coast Saturday
- Hermine will likely stall and remain south of New England into at least Monday and possibly Tuesday
- A period of high surf and dangerous rip currents are certain along the southern New England coast Sunday and Monday and possibly into Tuesday
- Main impacts from Hermine likely sometime Sunday into Monday. Exact timing unknown.

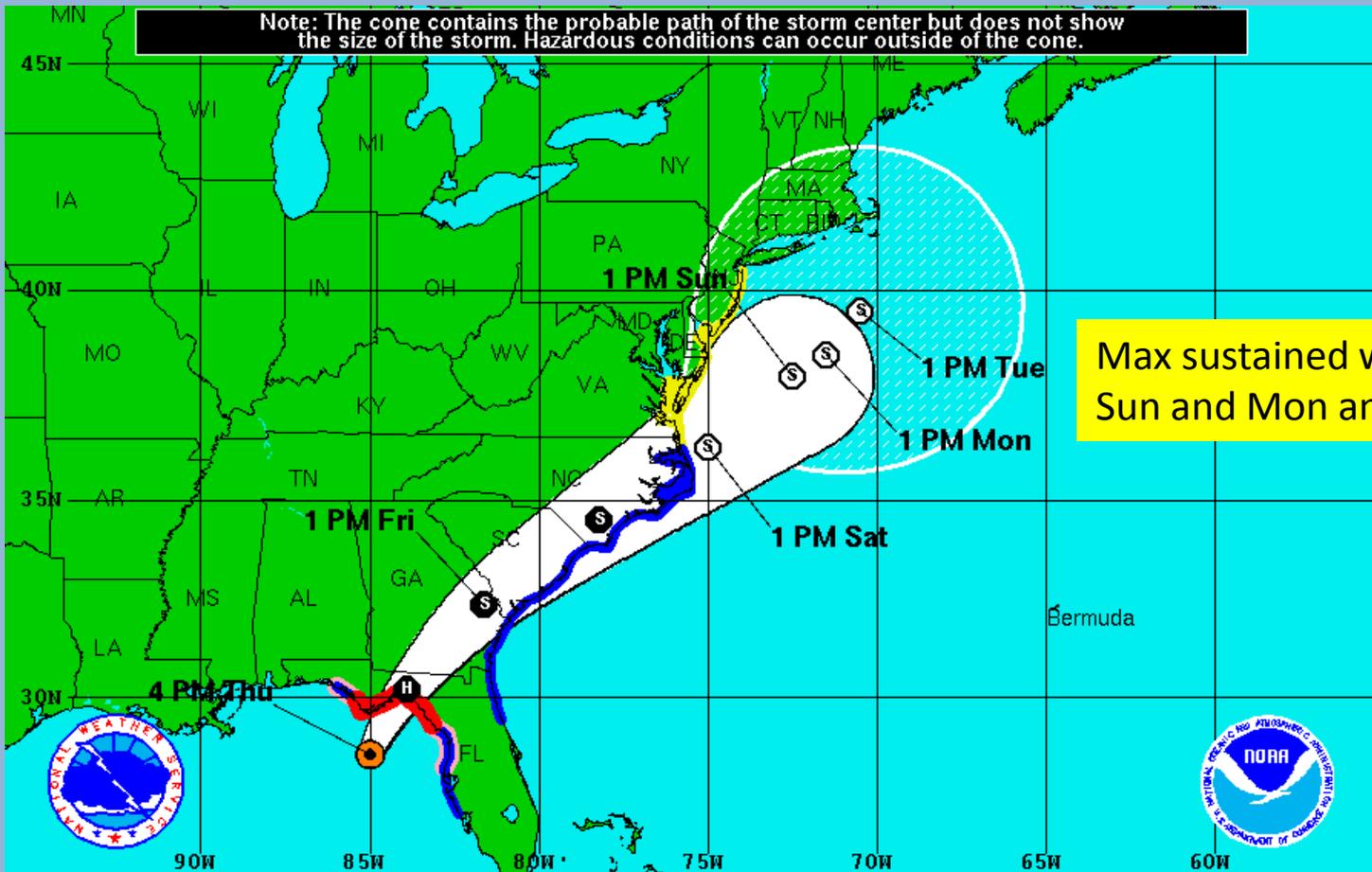
What We Don't Know

- Whether the storm will get far enough north to have a significant impact in southern New England
- How strong the storm will get and how long it lingers south of New England
- Current indications are that we will get a period of heavy rain and strong wind, especially near the coast, but may escape a significant impact
- Reasonable worst case scenario (more northward track) would be a Nor'easter with 50 to 60 mph wind gusts near the south coast and islands with 2 to 4 inches of rain. Risk for minor coastal flooding and beach erosion.
- Best case scenario (storm remains further south) would be little rain and wind



Forecast Track

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



Max sustained winds 60 mph Sun and Mon and 50 mph Tue

<p>Hurricane Hermine <i>Thursday September 1, 2016</i> 4 PM CDT Advisory 18 NWS National Hurricane Center</p>	<p>Current Information: ● Center Location 28.5 N 85.0 W Max Sustained Wind 75 mph Movement NNE at 14 mph</p>	<p>Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph</p>
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<p>Potential Track Area: Day 1-3 Day 4-5</p>	<p>Watches: Hurricane Trop.Storm</p>	<p>Warnings: Hurricane Trop.Storm</p>
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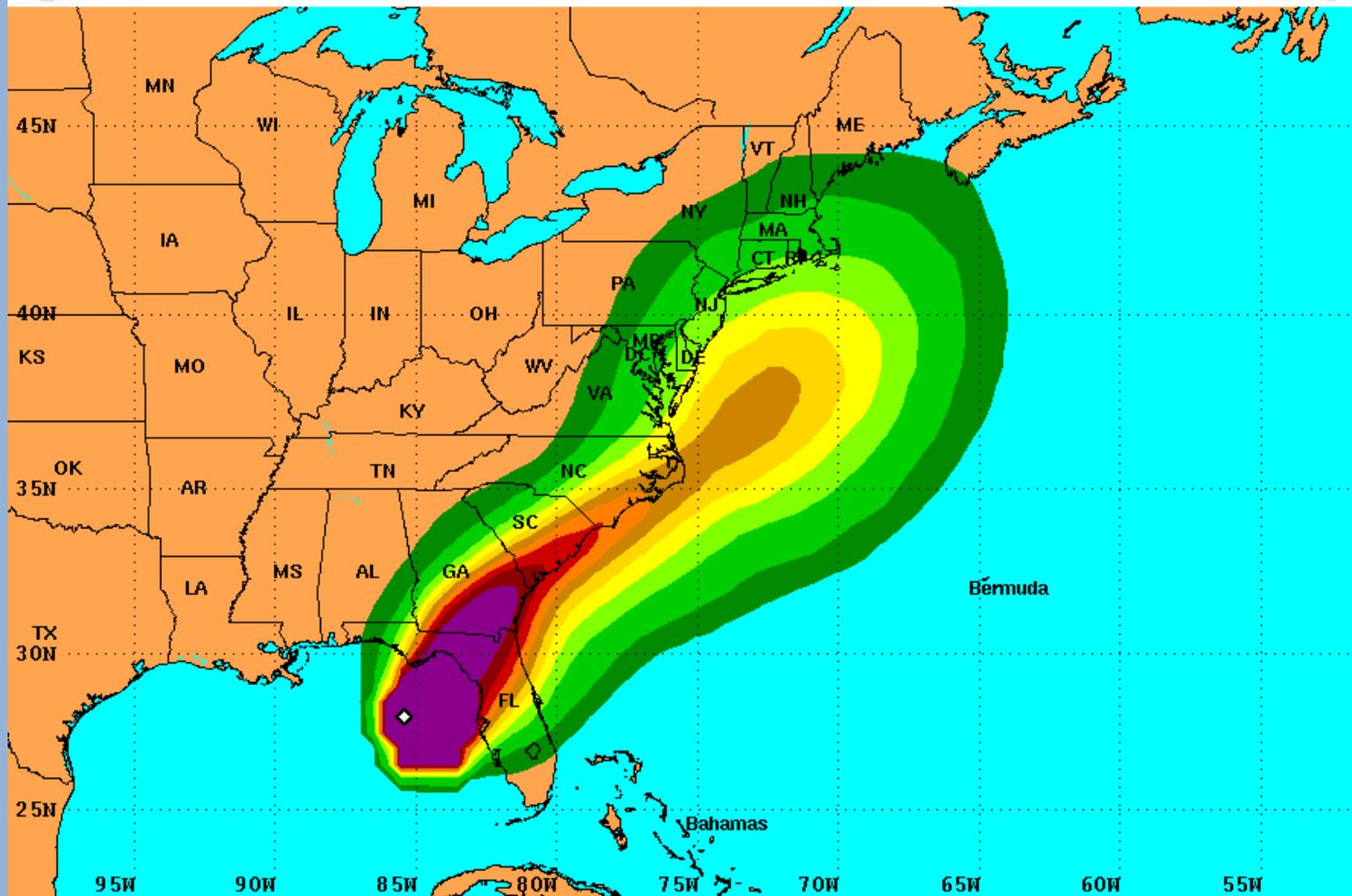
Website: www.weather.gov/boston Twitter: @NWSBoston Facebook: <http://www.facebook.com/NWSBoston>



Tropical Storm Wind Probabilities



PRELIMINARY (SINGLE STORM) Tropical Storm Force Wind Speed Probabilities
For the 120 hours (5 days) from 2 PM EDT Thu Sep 1 to 2 PM EDT Tue Sep 6



Probability of sustained tropical storm force surface winds (1-minute average of 39 mph or greater)

◇ indicates HURRICANE HERMINE center location at 2 PM EDT Thu Sep 1 2016 (Forecast/Advisory #18)



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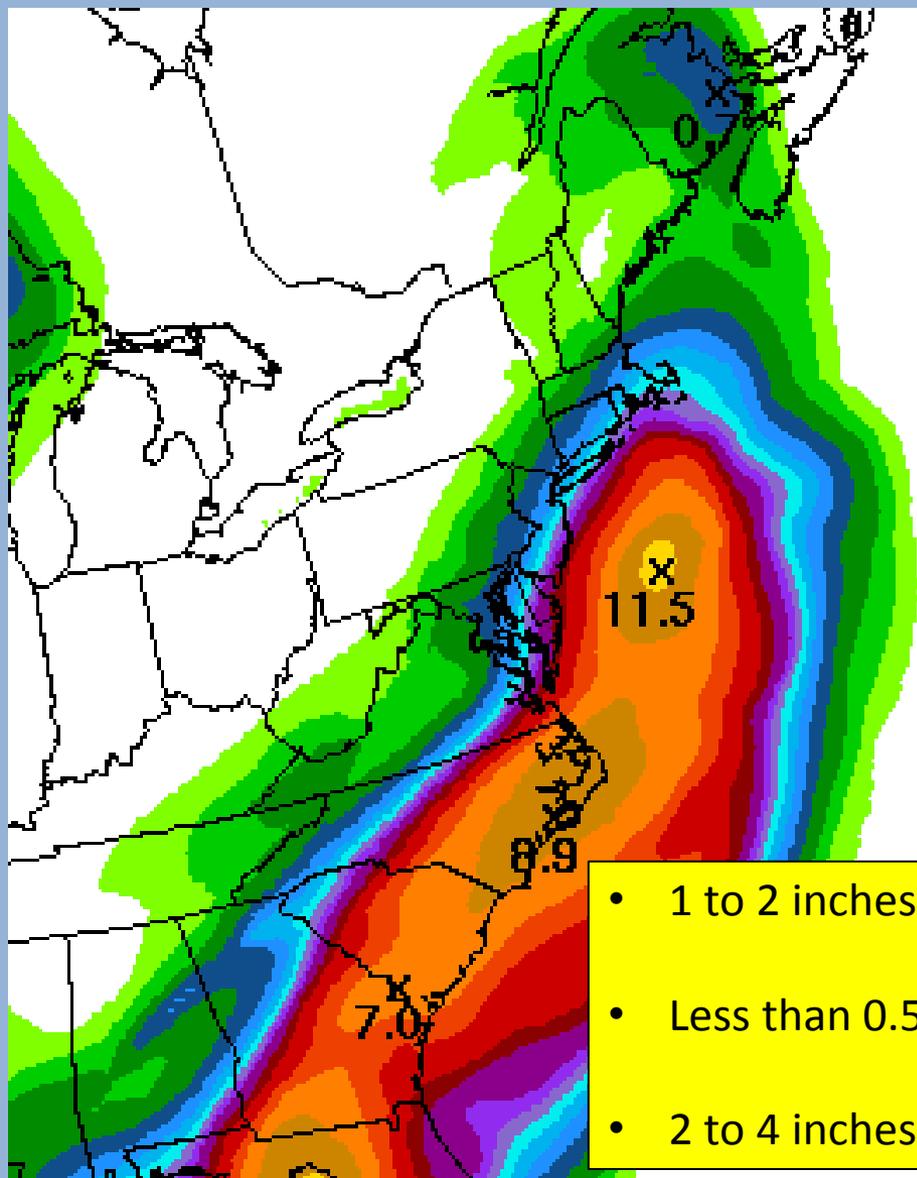
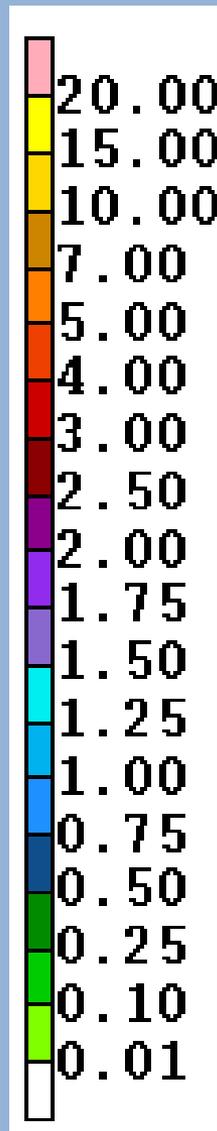
Website: www.weather.gov/boston

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Rainfall Forecast Through Mon Night



- 1 to 2 inches SE New Eng
- Less than 0.50 inch western MA
- 2 to 4 inches just south of Long Island

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Coastal / Marine Impacts

- High surf and dangerous rip currents Sunday into Tuesday
- A 2 to 3 foot storm surge will yield a low risk of minor coastal flooding, mainly along the Rhode Island south coast during the Sunday and Monday high tide cycles. Less impact along the east coast.
- Minor to moderate beach erosion due to persistent easterly flow and wave action
- A period of easterly gusts 40 to 50 kt Sunday into Monday with seas building to 15-25 ft over the southern waters

Summary

Wind

- Worst case is 50 to 60 mph wind gusts near the south coast and islands
- Best case scenario is wind gusts up to 30 mph

Rainfall

- “Worst case” is 2 to 4 inches of rain
- “Best case” is less than an inch of rain

Coastal/Marine impacts

- High surf and dangerous rip currents Sunday into Tuesday
- Low risk of minor coastal flooding, mainly along the Rhode Island coast during the Sunday and Monday high tide cycles
- Minor to moderate beach erosion
- Easterly wind gusts 40 to 50 kt and seas building to 15 to 25 ft over southern waters Sunday into Monday

Timing of impacts is uncertain but the Sunday to Monday period appears to be likely time period of greatest impact. Some rain and wind could linger into Tuesday, depending on the timing of when the storm exits.

Questions?

- Latest information:
 - www.weather.gov/boston
 - Area Forecast Discussion
 - Hazardous Weather Outlook
- Call us: **508-823-2228**
- NWSChat Online
 - <https://nwschat.weather.gov>
- E-mail:
 - box.operations@noaa.gov



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