Hurricane Florence

Decision Support Briefing # 6
As of: 530 PM Sunday Sept 9, 2018

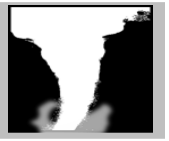
What has changed?

- ✓ Florence has gained some strength
- ✓ Need to begin ramping-up initial protective measures

Situational Overview

- ✓ Hurricane Florence will continue to strengthen as it approaches the Southeast U.S. coast later in the week.
- ✓ While it remains too early to determine which area will receive direct impacts along the Southeast U.S. coast, it is not out of the realm of possibility that Florence can make landfall as a dangerous major hurricane.
- ✓ Large swells will affect adjacent Atlantic waters and area beaches through the week. The swells will create rough surf, life-threatening rip currents, and dangerous boating conditions.
- ✓ This is a potentially dangerous situation. All interests in the Carolinas <u>are strongly encouraged</u> to begin preparing emergency kits and take initial protective actions. Be ready to take additional actions during the next couple of days, and listen for recommendations from local officials.

Main Points

Hazard	Impacts	Location	Timing
Wind	Potentially dangerous wind impacts are possible, but it is too early to tell which areas will receive the greatest impacts	northeast SC and southeast NC	Thursday into Friday
Storm Surge/ Inundation	Too much uncertainty at this time; however potentially dangerous impacts are possible if the storm continues to track toward the Carolinas	All coastal areas and tidally connected creeks, bays, and waterways	Thursday into Friday
Flooding Rain	Flooding of low-lying and poor drainage areas is possible, but the amounts and distribution of rainfall is highly track dependent	southeast NC and northeast SC	Thursday into Friday
Tornado 	A few tornadoes are possible, but it is too early to tell with certainty	southeast NC and northeast SC	Thursday into Friday
Marine	High likelihood of dangerous maritime and surf conditions developing	Surf zone and adjacent Atlantic waters	Increasing during the week, but especially Wednesday through Saturday

Potential Impacts

Wind: Limited Confidence – track dependent

None	Elevated	Moderate	High	Extreme

Surge/Inundation: Limited Confidence – track dependent

None	Elevated	Moderate	High	Extreme

Inland Flooding: Limited Confidence – track dependent

None	Elevated	Moderate	High	Extreme

Tornado: Limited Confidence – track dependent

None	Elevated	Moderate	High	Extreme

Marine: Confident – regardless of track

None	Elevated	Moderate	High	Extreme

Latest Information: Hurricane Florence

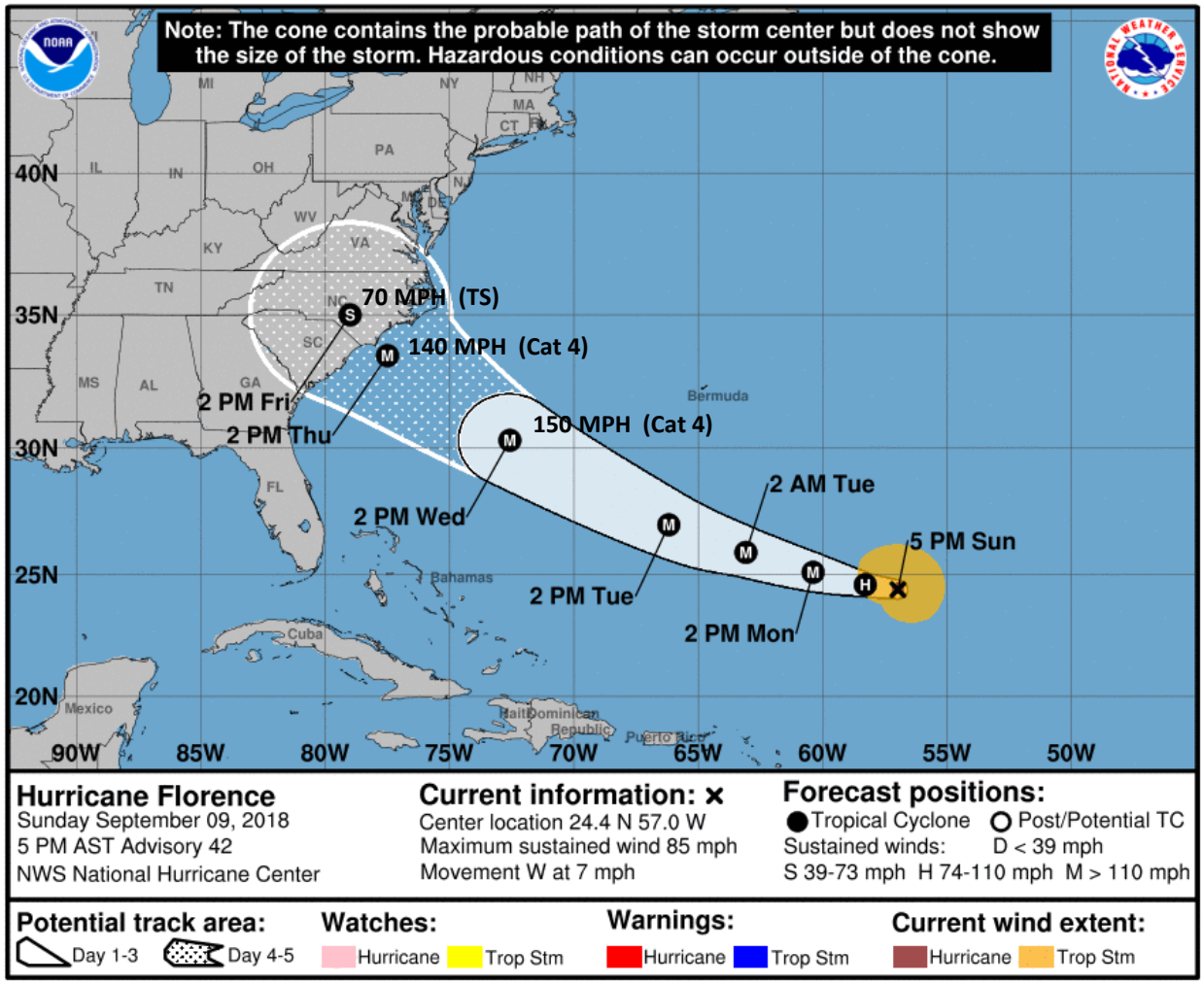
Hurricane Florence – GEOCOLOR 245 PM Sunday Sept 9, 2018

OVERVIEW:

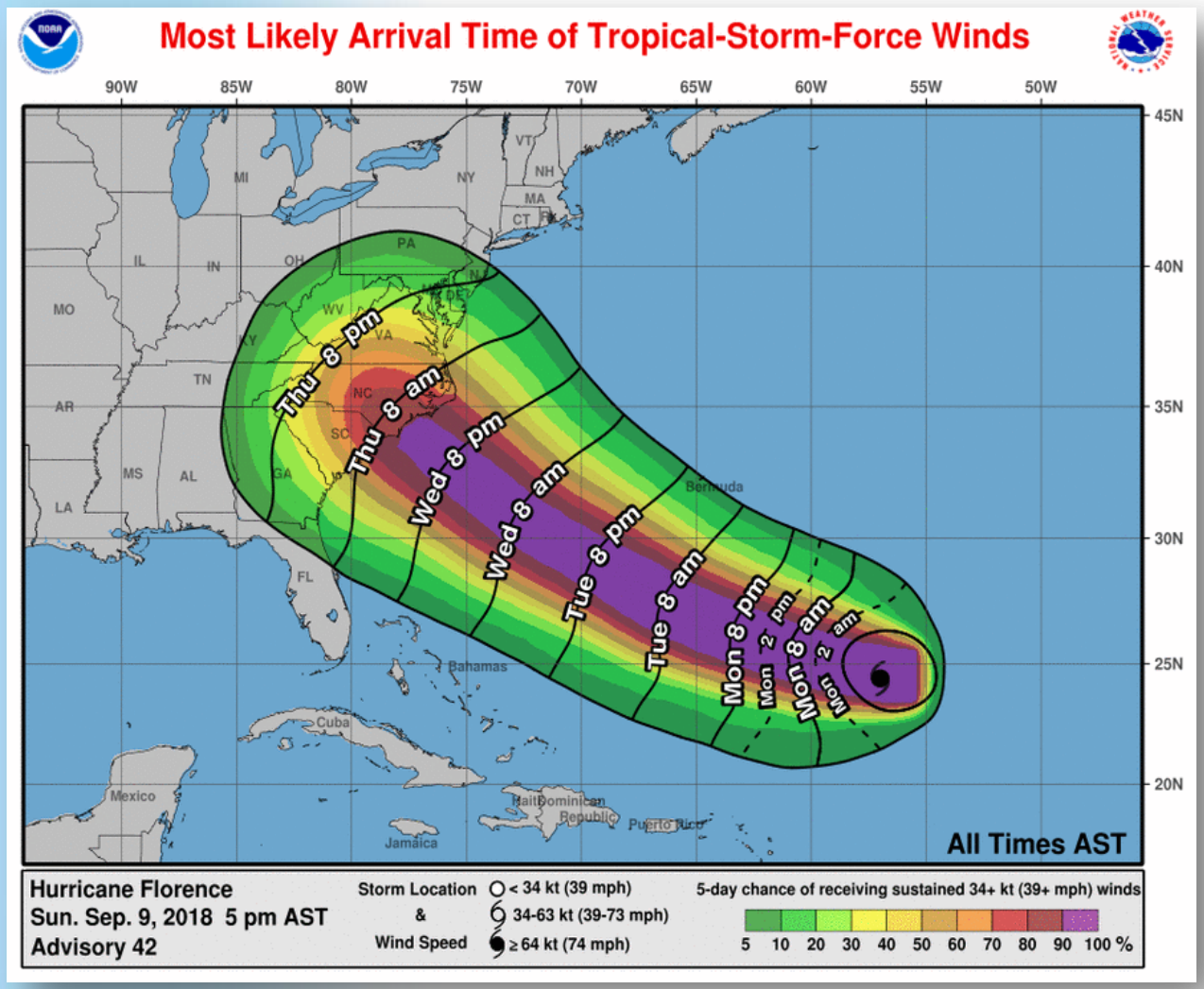
- ✓ Florence continues to strengthen and has the potential to become a dangerous major hurricane
- ✓ The storm will continue on a westerly track through tonight, then a northwest track Wednesday into Friday

NHC Advisory #42: 5 PM Sept 9, 2018	
Max Winds:	85 MPH (Cat. 1)
Location:	720 miles SE of Bermuda
Movement:	West at 7 MPH
Pressure:	975 MB (28.80 inches)

Official NHC Track Information



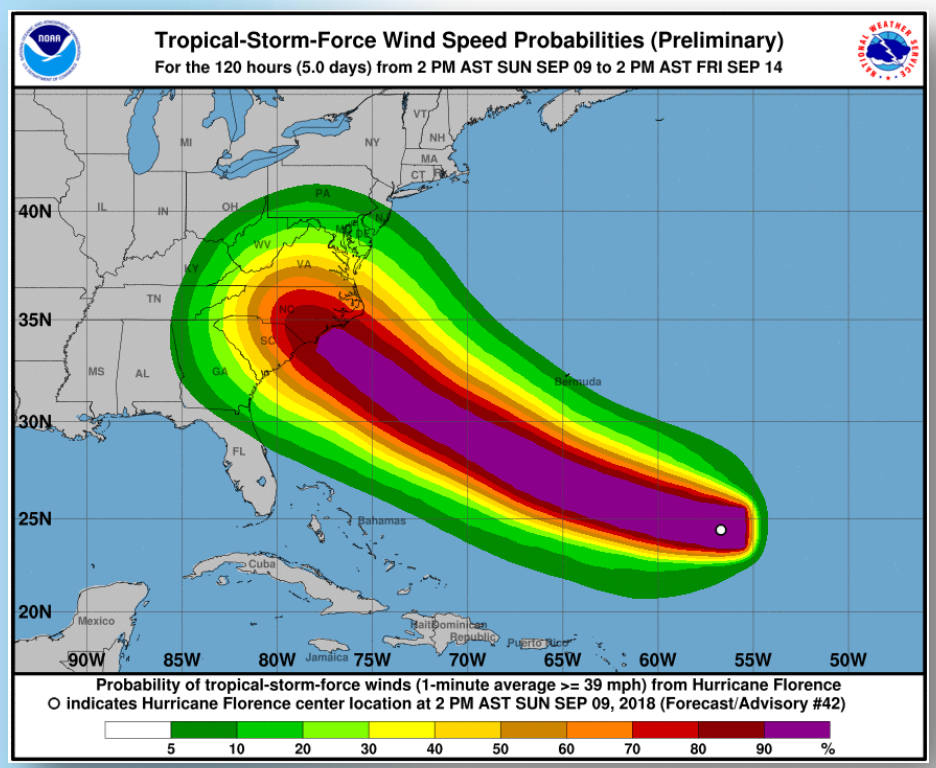
- ✓ Florence is forecast to become a major hurricane during Monday and approach the Southeast U.S. coast later this week
- ✓ There is a potential for significant and life-threatening impacts as a result, and it is possible Florence could make landfall as a major hurricane
- ✓ Remember, do not focus on the exact track of the storm since impacts occur well outside the forecast cone. This <u>is not</u> an impact cone.

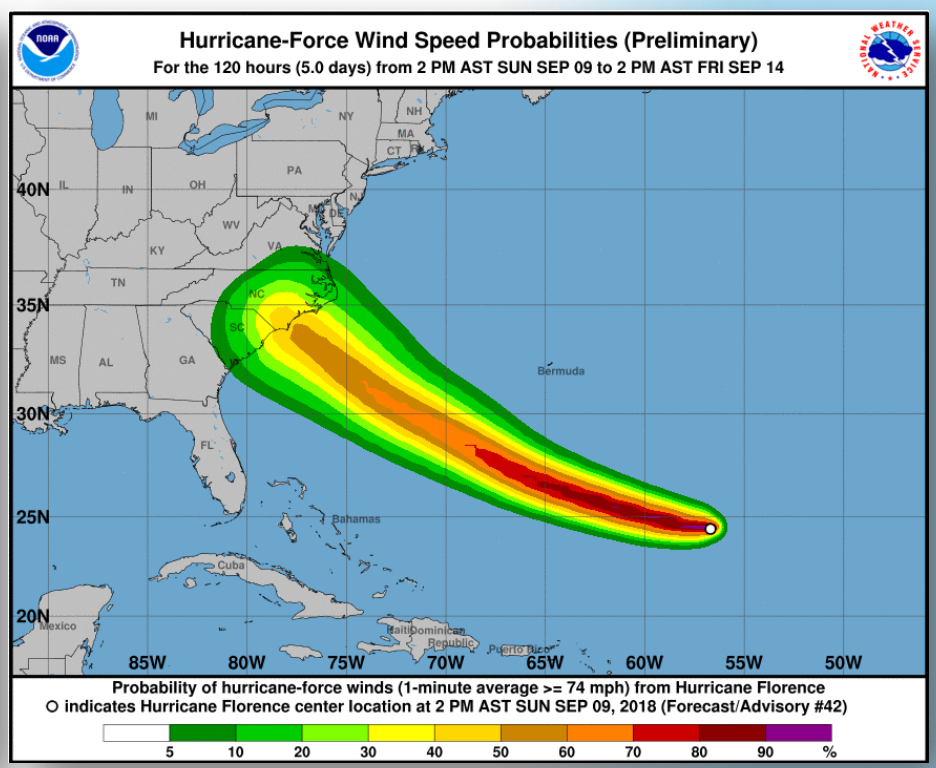


✓ Based on the latest track the tropical storm force winds are most likely to arrive at the coast by early Thursday morning

✓ Tropical storm force winds would most likely arrive at inland areas during Thursday based on the latest track

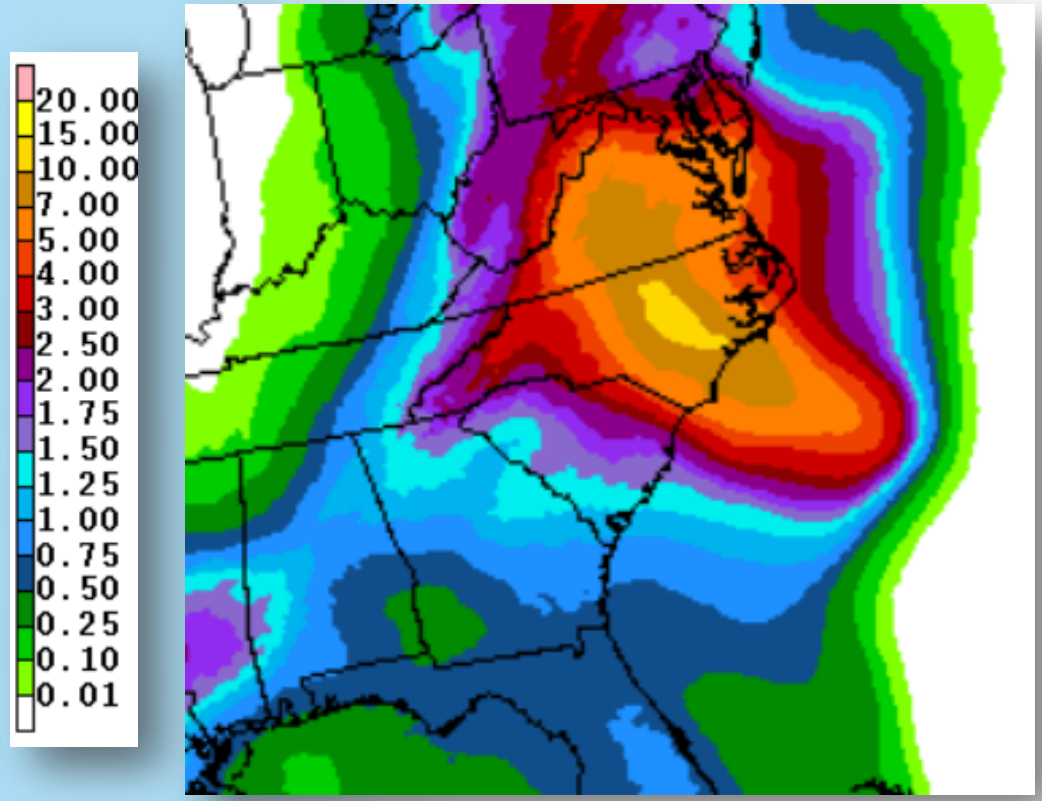
Tropical Storm and Hurricane Force Probabilities





TS and Hurricane Force Wind Speed Probabilities continue to increase across the Carolinas highlighting an increasing risk for wind impacts, especially across northeast SC and southeast NC.

Potential Rainfall Totals



- ✓ Florence could produce a large swath of 7-15 inches of rainfall, especially across eastern NC
- ✓ The total amount and distribution will greatly depend on the eventual track
- ✓ Rainfall amounts over the last 30 days have only been 5 to 50% of normal for most areas in northeast SC & southeast NC
- ✓ However, those areas that receive excessive rainfall could still expect flooding, especially across low-lying, flood prone locations

Key Points

- Florence is expected to strengthen into a major hurricane, and the potential has increased for it could make landfall somewhere along the Southeast U.S. Coast later this week.

- This is a potentially dangerous situation with life-threatening storm surge and wind impacts possible near where the storm eventually tracks.

- Remain informed and be prepared! – Review your hurricane plan, put together your emergency kit, and be prepared to take additional protective actions during the next few days. For additional information please visit:

  https://www.weather.gov/safety/hurricane-plan or

  https://www.ready.gov/hurricanes

Contact and Next Briefing Information

Next Briefing

When: *By 8 AM on Mon Sept. 10, 2018*

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