



# NATIONAL WEATHER SERVICE

CHARLESTON, SC WEATHER FORECAST OFFICE

## Hurricane Matthew

Issued: 10/07/2016 at 5 PM

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...Hurricane Warning for Our Entire Coast, Including Dorchester County...  
...Tropical Storm Warning for All Other Areas...

### OVERVIEW

[Hurricane Matthew](#) is expected to track just off the GA and SC coasts tonight into Saturday. Confidence is increasing that the center of Matthew will follow a track about 30 to 50 miles from the GA and SC coasts, sufficiently close to produce an array of impacts across the region including dangerous storm surge/inundation near the coast, damaging winds, excessive rainfall and even isolated tornadoes. Worst conditions are expected tonight into Saturday morning. More information can also be found at the [NWS Charleston Tropical page](#).

### CURRENT WATCHES, WARNINGS AND/OR ADVISORIES

**Hurricane Warning** for all coastal counties and now Dorchester County, along with the adjacent coastal waters including Charleston Harbor  
**Tropical Storm Warning** for all other land zones  
**Flash Flood Watch** for all land zones

### EXPECTED IMPACTS (INCLUDES TIMING AND LOCATION)

**STORM SURGE:** Life-threatening inundation values of 6-9 feet isolated higher amounts, especially closer to Charleston coast. Combined with wave action could damage structures on barrier islands. Some coastal roads flooded/impassable. Salt water flooding within tide zone inland from islands.  
**WINDS:** Tropical storm winds expected all areas, and hurricane force wind gusts likely near the coast. Strongest winds near the coast where hurricane force gusts could occur. During the worst conditions tonight into Saturday morning, sustained winds 55 to 65 mph and gusts to 75 to 80 mph could occur at the coast. Charleston county could see sustained winds 65-75 mph with gusts to 90 mph – potentially higher if the eyewall moves over Charleston metro area. Further inland, sustained winds 45 to 45 mph with gusts to 55 mph could occur. Extensive tree damage, some structural damage, widespread power outages, with greatest impacts near the coast. .  
**HEAVY RAIN:** Flash Flood Watch all areas. Rainfall totals 8 to 14 inches with locally greater amounts possible along/east of I-95, 4 to 8 inches farther inland. Some roads could be flooded / impassable. Significant flooding of poor drainage areas, creeks possible.  
**MARINE:** Hurricane conditions expected. Gusts exceeding 100 knots 20-60 nm offshore. Seas 15-20 feet near shore, and at least 20-30 feet beyond 20 nm offshore. Dangerous conditions for all vessels, even large ships.  
**TORNADOES:** Isolated, brief tornadoes possible near the coast.

### POTENTIAL TIMING OF TROPICAL STORM FORCE WINDS

**POTENTIAL ONSET TIME:** Ongoing across GA, spreading across SE SC this evening.  
**POTENTIAL ENDING TIME:** Saturday morning across SE GA, Saturday afternoon into the evening across SE SC. Significant improvement Sunday.

### CONFIDENCE

High regarding track and timing and moderate regarding strength. Moderate to high confidence regarding most hazards/impacts.

### RECOVERY PHASE WEATHER ISSUES

Improving conditions Saturday night and Sunday.