



# NATIONAL WEATHER SERVICE

CHARLESTON, SC WEATHER FORECAST OFFICE

## Hurricane Matthew

**Issued:** 10/06/2016 at 1130 PM

**Issued by:** Steve Rowley

...Hurricane Warning for Our Entire Coast...  
...Tropical Storm Warning for All Other Areas...

## OVERVIEW

[Hurricane Matthew](#) is expected to track just off the GA and SC coasts Friday night through Saturday. The hurricane will produce an array of impacts across the region including dangerous storm surge/inundation, damaging winds, excessive rainfall and even isolated tornadoes. 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 for 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 7-9 feet/isolated 11 feet along GA coast and 4 to 8 feet with isolated higher amounts along SC 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:** Gusts at/above hurricane force possible mainly close to the coast. Tropical storm force winds/gusts will possibly extend much further inland and could persist for 18-24 hours at any given location. Extensive tree damage, some structural damage, widespread power outages especially 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 100-115 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:** Friday morning for GA, Friday afternoon for SC.

**POTENTIAL ENDING TIME:** Saturday evening, perhaps earlier inland. Significant improvement Sunday.

## CONFIDENCE

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

## RECOVERY PHASE WEATHER ISSUES

Improving conditions Saturday night and Sunday.