



Weather Impacts – Early Overview

Week of September 29, 2015

Sept 28 2015

5 PM Briefing





Outline for This Week

- Significant change in weather pattern this week
- Cold front with abundant, deep tropical moisture brings the potential for heavy rainfall Tuesday night-Wed Night
- Persistent Northeast winds anticipated Wed thru Friday
 - Potential for gusts 30-40 mph over Cape/Islands Thu and Friday
 - Gales possible over the coastal waters Wed night thru Friday
- Storm surge + High Astronomical Tides Wed thru Friday
 - Potential for coastal flooding over multiple high tide cycles
 - Minor to pockets of moderate coastal flooding possible
 - Main area of concern is east coastal MA including Cape Cod Bay area, and Nantucket

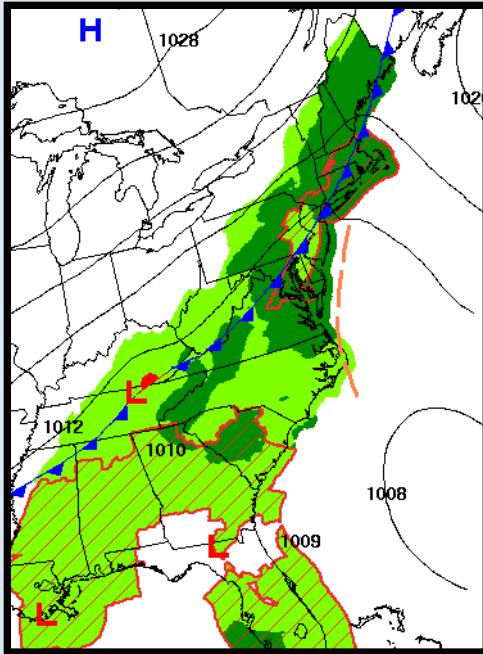


Highlights- Hazardous Weather Early Look

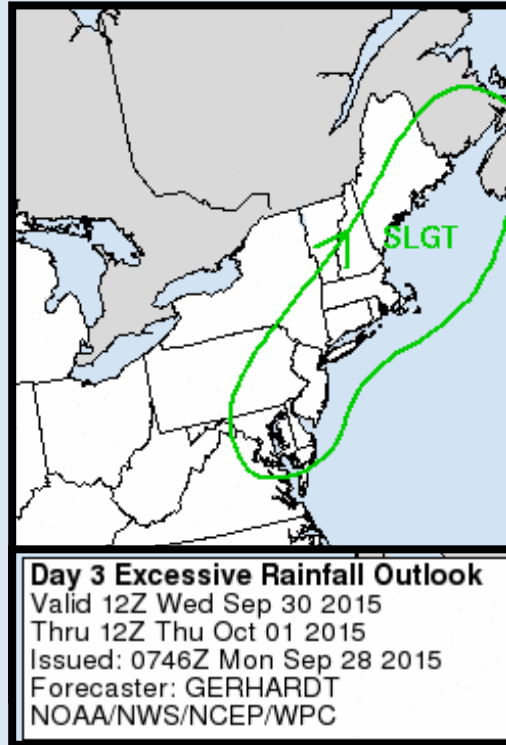


Day	First Hazard	Second Hazard	Marine Hazard
Tuesday Night	Minor splashover- high tide	Heavy rainfall- poor drainage flooding	
Wednesday	Coastal Flooding- East Coastal MA/Cape Cod/Nantucket	Heavy rainfall- poor drainage flooding, possible stream/river flooding	Possible Gales Wed Night
Thursday	Coastal Flooding- East Coastal MA/Cape Cod/Nantucket	Windy on Cape and Islands- NE Winds gusting 30-40 mph	Possible Gales through the period, 8-12 foot seas outer waters
Friday & Weekend	Friday: Coastal Flooding- East Coastal MA/Cape Cod/Nantucket	Tropical system or Remnants? Stay Tuned.	Tropical system or Remnants? Stay Tuned.

Tue Night-Wed Night- Rainfall

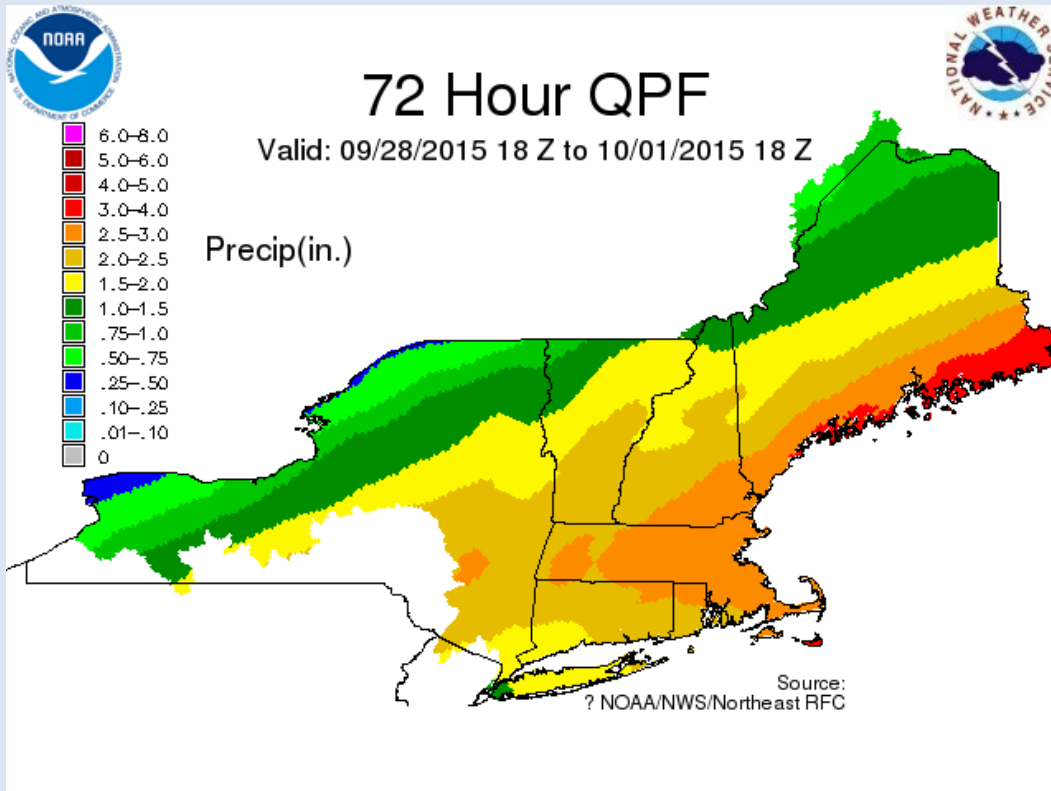


Cold Front 8 am Wed



- Cold front approaches, stalls over southern New England.
- Deep tropical moisture will be pulled into our area ahead of the front.
- Potential for periods of heavy rain.
- Most probable timeframe from late Tuesday night thru Wed evening.

Forecast Rainfall and Flood Threat



Moderate confidence for 2-4 inches of rainfall with locally higher amounts

Threat for urban and poor drainage Flooding

Rivers and streams running low
For this time of year, however...
may need to monitor some of our flashier watersheds, especially those in urban areas

Six-hour (non-urban) Flood Guidance for river and stream flooding:
3.5 to 5 inches



Coastal Flood Threat

- **Potential for Coastal Flooding**
 - High astronomical tides are ongoing now thru Saturday (Oct 3)
 - Very minor coastal flooding/splashover with these high tides thru Tue night
 - N/NE wind is expected to set up and increase during Wed thru possibly Fri, coastal flooding is a threat during this timeframe (multiple high tide cycles) along east coastal MA including Cape Cod Bay
 - At this time potential exists for minor to pockets of moderate coastal flooding Wed thru Friday

Astronomical Tide Tables for Wed-Thu follow...

Sandwich

Date	Day	Time	Hgt
09/30	Wed	01:05 AM	10.72 H
09/30	Wed	07:14 AM	-1.49 L
09/30	Wed	01:26 PM	11.25 H
09/30	Wed	07:45 PM	-2.01 L
10/01	Thu	01:58 AM	10.42 H
10/01	Thu	08:05 AM	-1.19 L
10/01	Thu	02:18 PM	11.04 H
10/01	Thu	08:38 PM	-1.71 L

Boston Harbor

Date	Day	Time	Hgt
09/30	Wed	01:05 AM	11.72 H
09/30	Wed	07:13 AM	-1.47 L
09/30	Wed	01:25 PM	12.18 H
09/30	Wed	07:43 PM	-1.9 L
10/01	Thu	01:58 AM	11.38 H
10/01	Thu	08:03 AM	-1.11 L
10/01	Thu	02:17 PM	11.95 H
10/01	Thu	08:36 PM	-1.55 L

Nantucket

Date	Day	Time	Hgt
09/30	Wed	02:14 AM	3.74 H
09/30	Wed	07:50 AM	-0.2 L
09/30	Wed	02:30 PM	4.22 H
09/30	Wed	08:30 PM	-0.54 L
10/01	Thu	03:11 AM	3.61 H
10/01	Thu	08:43 AM	-0.09 L
10/01	Thu	03:25 PM	4.21 H
10/01	Thu	09:26 PM	-0.44 L



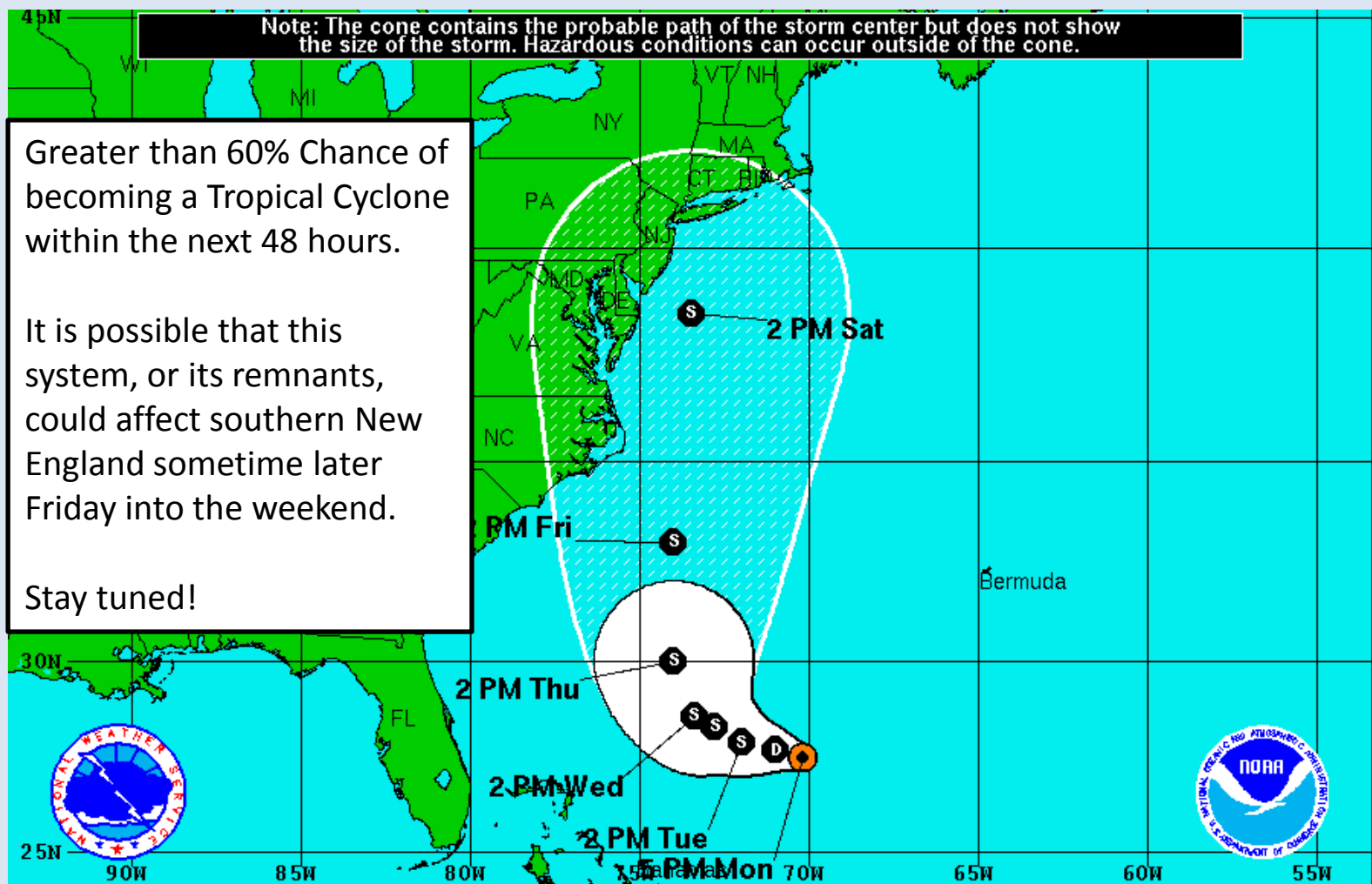
Tropical Depression #11










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.

Greater than 60% Chance of becoming a Tropical Cyclone within the next 48 hours.

It is possible that this system, or its remnants, could affect southern New England sometime later Friday into the weekend.

Stay tuned!



<p>Tropical Depression Eleven Monday September 28, 2015 5 PM EDT Advisory 4 NWS National Hurricane Center</p>	<p>Current Information: </p> Center Location 27.5 N 70.2 W Max Sustained Wind 35 mph Movement W at 6 mph	<p>Forecast Positions:</p>  Tropical Cyclone  Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
<p>Potential Track Area:</p>  Day 1-3  Day 4-5	<p>Watches:</p>  Hurricane  Trop.Storm	<p>Warnings:</p>  Hurricane  Trop.Storm