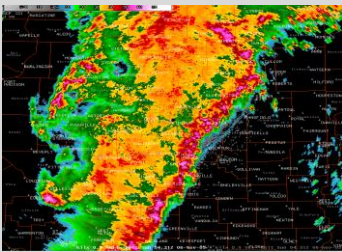


# Latest on Hurricane Sandy

Prepared Sunday, October 28, 2012



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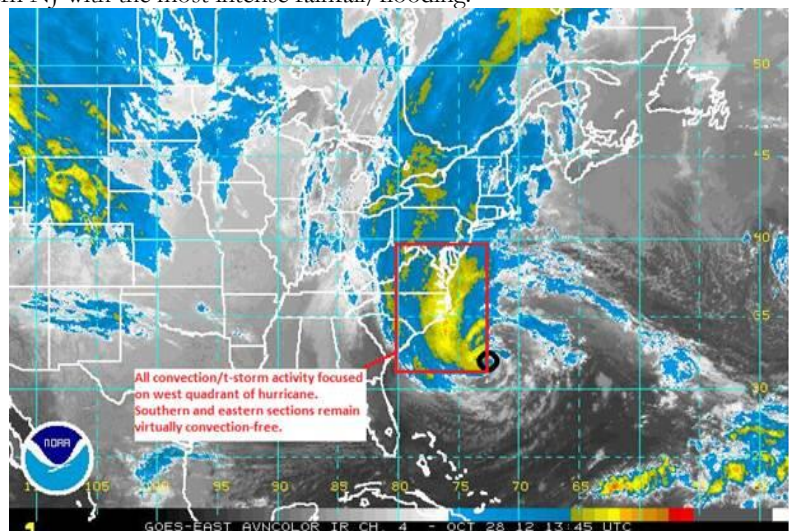
**UPDATE SUMMARY:**

The biggest threat for New Jersey, the NYC Metro area, and Long Island from Hurricane Sandy will be **VERY STRONG WINDS**, which will produce downed trees, power lines, and extensive power outages across our region. The expected path of this storm will keep most of the heavy rain and severe flooding confined to far southern NJ, southeastern PA, and down into DE, MD, and far eastern VA.

Most of the guidance continues to show between 2.5"-4" rainfall totals for central/northern NJ into the NYC metro and Long Island, which **SHOULD NOT** lead to any major flooding for most of the aforementioned area.

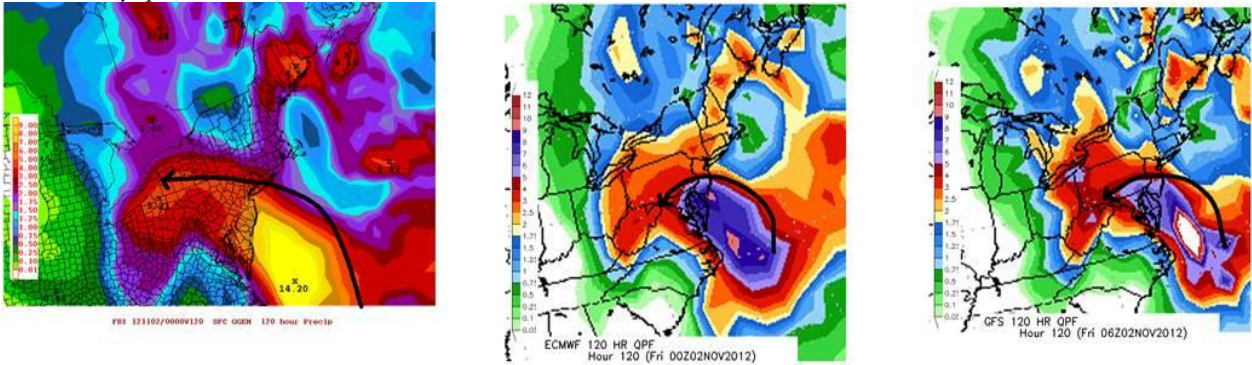
We should see sustained winds of 30-45MPH very likely with gusts in the 45-60MPH possible. The winds will start increasing noticeably by early Monday morning and reach their peak intensity midday to evening hours on Monday, gradually dropping off early Tuesday morning. The rain and shower activity will be most intense the 2<sup>nd</sup> half of the day Monday into the early morning hours of Tuesday. By mid-morning Tuesday, the shower activity will weaken, but we still expect scattered (lighter) showers to remain around the rest of the day Tuesday (off-and-on for Wednesday as well).

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Here is the latest satellite image of Sandy. Note that we continue to see all of the convection (t-storm/shower) activity confined to the west-central/northwestern portions of this storm, while the southern and eastern sections are virtually rain/convection-free. This is why all of the heavy rain and severe flooding will be to the west (or left) of the storm's path...leaving areas of eastern VA into MD, DE, southeastern PA, and far southern NJ with the most intense rainfall/flooding.

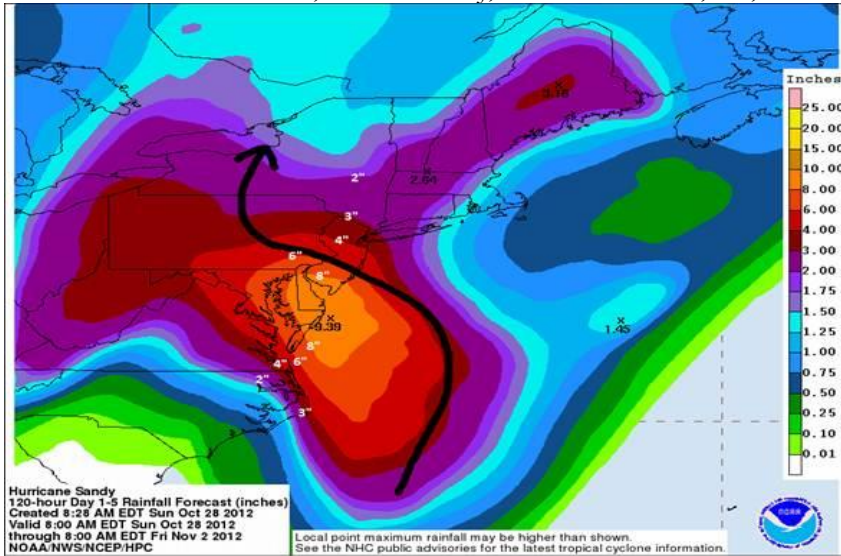


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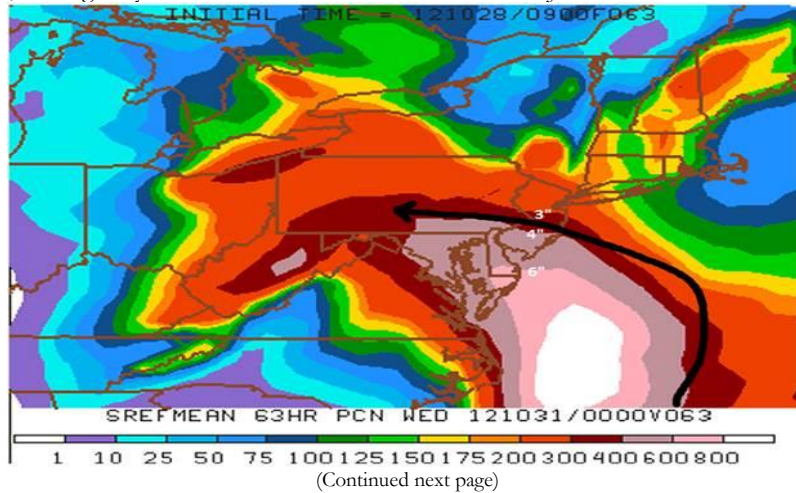
Notice on three of the forecast model outputs below, all of the heavy rainfall is confined to areas to the west/left of the storm's expected track. Central/northern NJ into the NYC metro will see rainfall in the 2"-4" range primarily, which by hurricane standards is actually quite low.



Even NOAA's HPC has 4" amounts being the highest predicted amounts for central NJ with 3"-4" for northern NJ into the NYC metro. The heaviest rainfall is for far southern PA, far southern NJ, and down into MD, DE, and far eastern VA.



And here is the latest SREF (short-range ensemble forecast) model output for rainfall. It too shows the heavy rainfall staying west/left of the storm's track, leaving only 2"-3" totals for the northern half of NJ into the NYC metro.

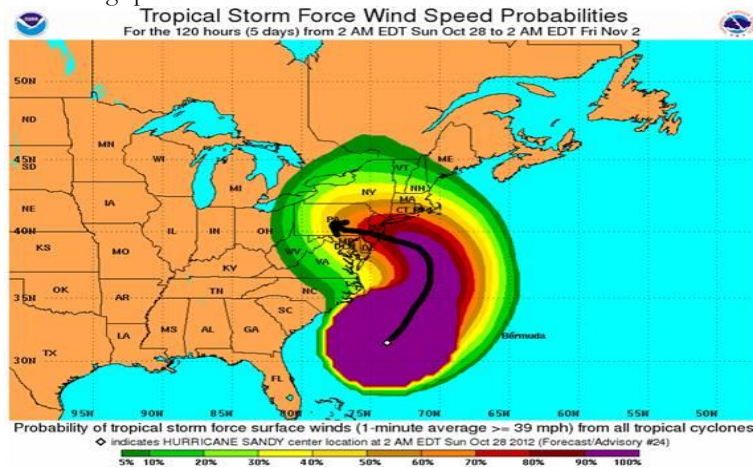




Here is the excessive rainfall outlook/probability map from NOAA's HPC. We see that the biggest risk from excessive rainfall and severe flooding are for far southern NJ, extreme southeastern PA, and across MD and DE.



Looking at the probability of tropical storm-force winds, we see that the strongest winds will be around the storm's track and to the EAST/RIGHT of the track. Thus, most of NJ into the NYC metro, Long Island, and CT are going to be impacted the most by these strong, damaging winds, while being spared from the heavier rains.



And here were the latest hurricane model forecast tracks I alluded to earlier, which showed a noticeable southward shift in the track. Most are now predicting a path directly over the Delaware Bay and landfall around central/northern DE.

