



NOAA's National Weather Service Philadelphia/Mt. Holly NJ



Issued: Tuesday, September 29, 2015 Noon

Next Briefing Package: Wednesday, September 30, 2015 no later than 300 PM

Hazards and Impacts:

Overview: A wet and stormy weather pattern is shaping up for this week, with several potential rounds of heavy rainfall. The potential for heavy rainfall has increased due to the formation of Tropical Storm Joaquin. Strong onshore flow later this week will increase the threat of coastal flooding, heavy surf, and significant beach erosion.

Rainfall : Rainfall amounts over next seven days of 4 to 6 inches are possible for the region, with some locations seeing locally higher amounts.

Inland flooding: Helping limit the flooding threat are the currently dry conditions across much of the region. However, if we see the higher rainfall amounts, flash flooding is likely where the heaviest rainfall occurs, plus there is the potential for significant river flooding.

Winds: Later this week, winds will become northeast and intensify. Wind gusts of 20 to 30 mph are possible over inland locations. Wind gusts of 40+ mph are possible in coastal areas.

Tidal Flooding: Tides will run a little higher than normal today and Wednesday, with more significant rises expected as the strong northeast winds develop later this week. Moderate coastal flooding is now likely later this week.

Timing:

Two potential time frames for heavy rainfall. The first one is tonight into early Wednesday. Additional rounds of heavy rainfall are possible later this week and this coming weekend.

Trend Analysis:

The potential impacts from Tropical Storm Joaquin have increased over the past 24 hours. Joaquin may directly impact the U.S. East Coast. Whether Joaquin directly impacts the East Coast or not, tropical moisture from Joaquin is expected to increase the potential for heavy rainfall. As a result, forecast rainfall totals have increased, and the potential for inland flooding has increased. Strong northeast flow this week has made moderate coastal flooding more likely.



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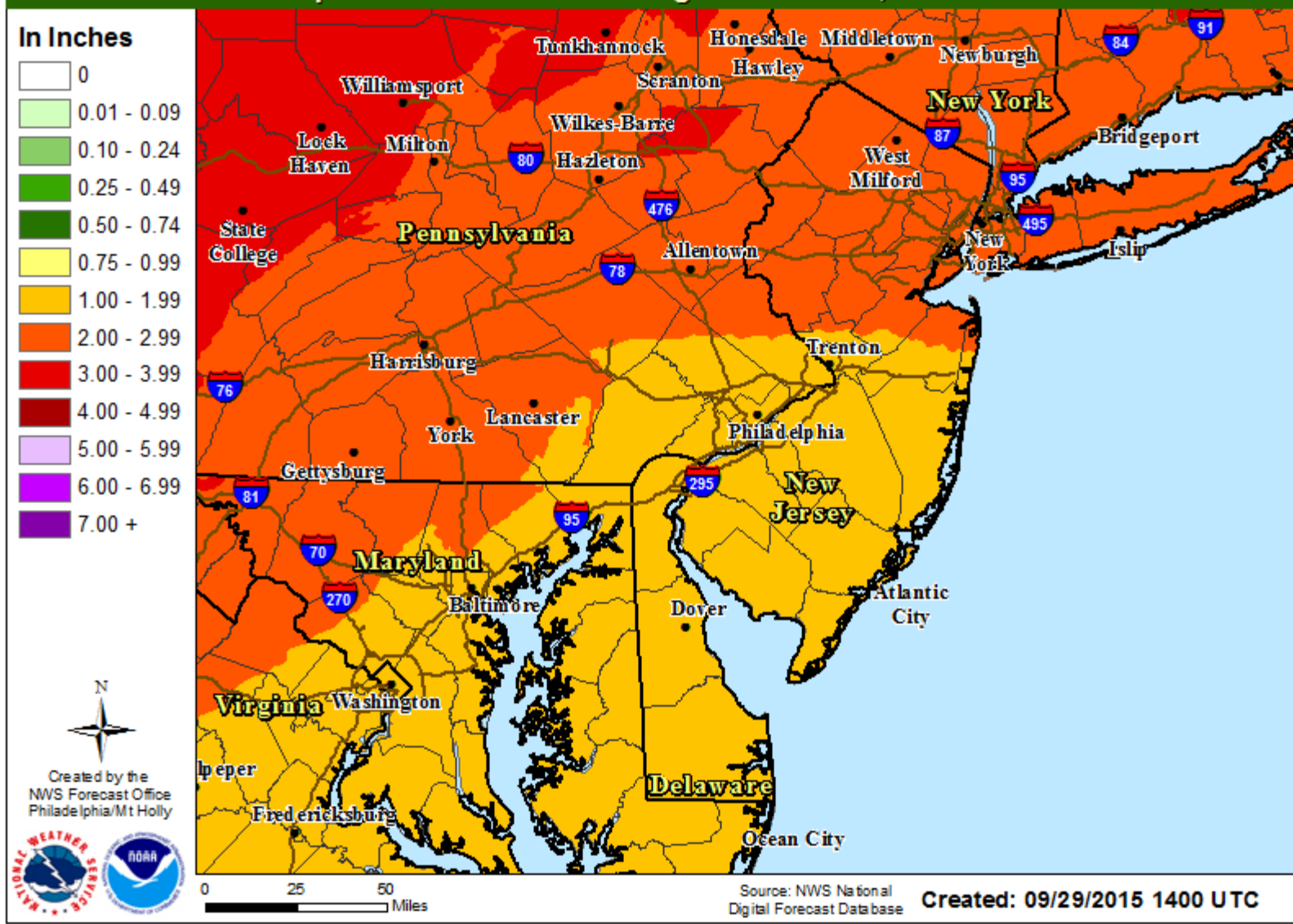


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Total Precipitation Forecast - Through October 01, 2015 8:00 PM ET



Rainfall Forecast through 800 PM Thursday, October 1st. More heavy rainfall is possible this weekend.



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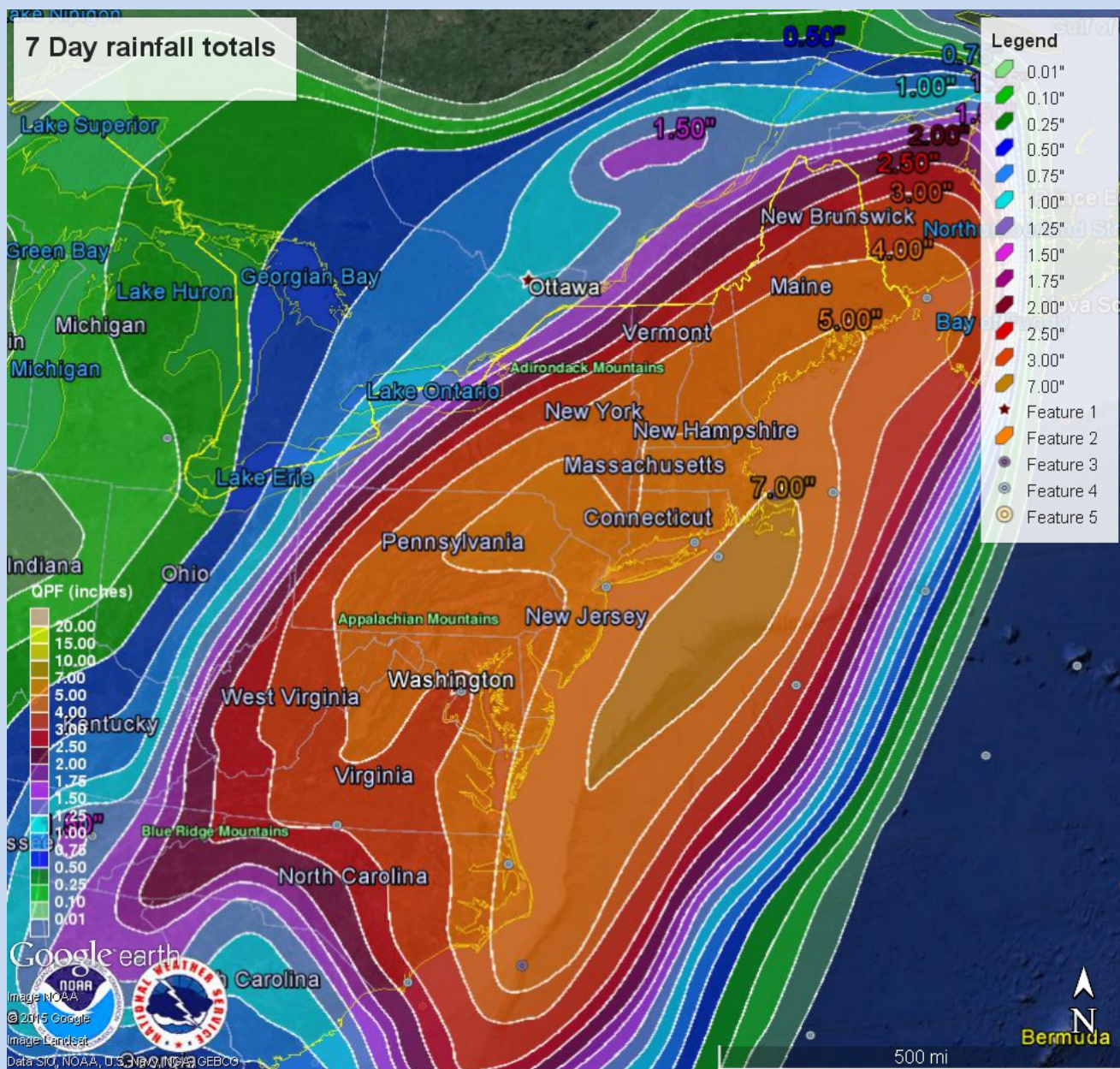
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Seven day rainfall guidance through 800 AM Tuesday, September 30th. These totals include both the heavy rainfall forecast to occur over the next 72 hours, plus additional heavy rainfall this weekend associated with Tropical Storm Joaquin.



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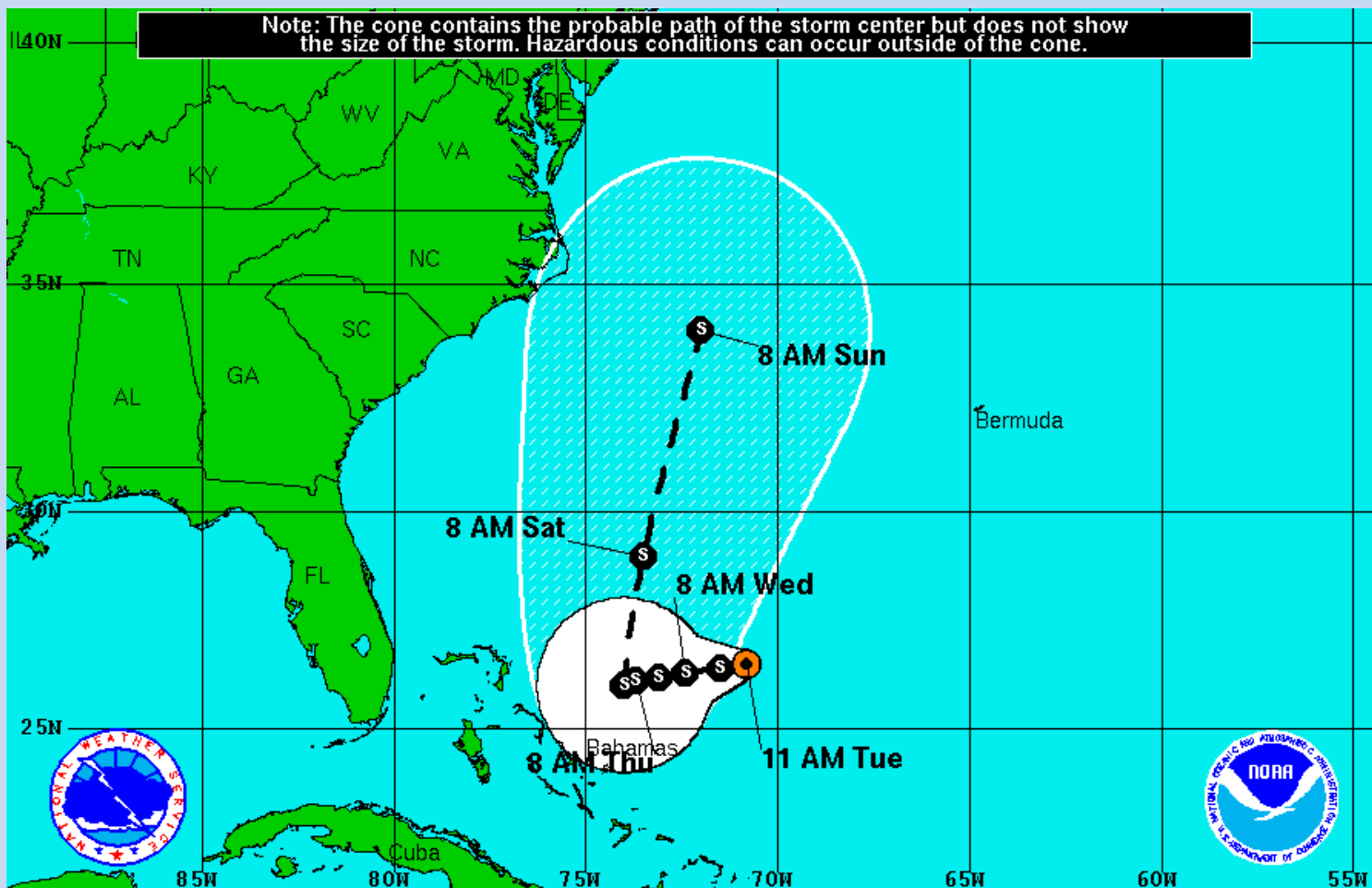
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Tropical Storm Joaquin Tuesday September 29, 2015 11 AM EDT Advisory 7 NWS National Hurricane Center	Current Information: ● Center Location 26.5 N 70.8 W Max Sustained Wind 45 mph Movement W at 5 mph	Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
Potential Track Area: Day 1-3 Day 4-5	Watches: Hurricane Trop.Storm	Warnings: Hurricane Trop.Storm

Forecast track of Tropical Storm Joaquin issued by National Hurricane Center at 1100 AM EDT Tuesday, Sep 29th. This tropical storm will bring tropical moisture into our region, enhancing the heavy rainfall threat.



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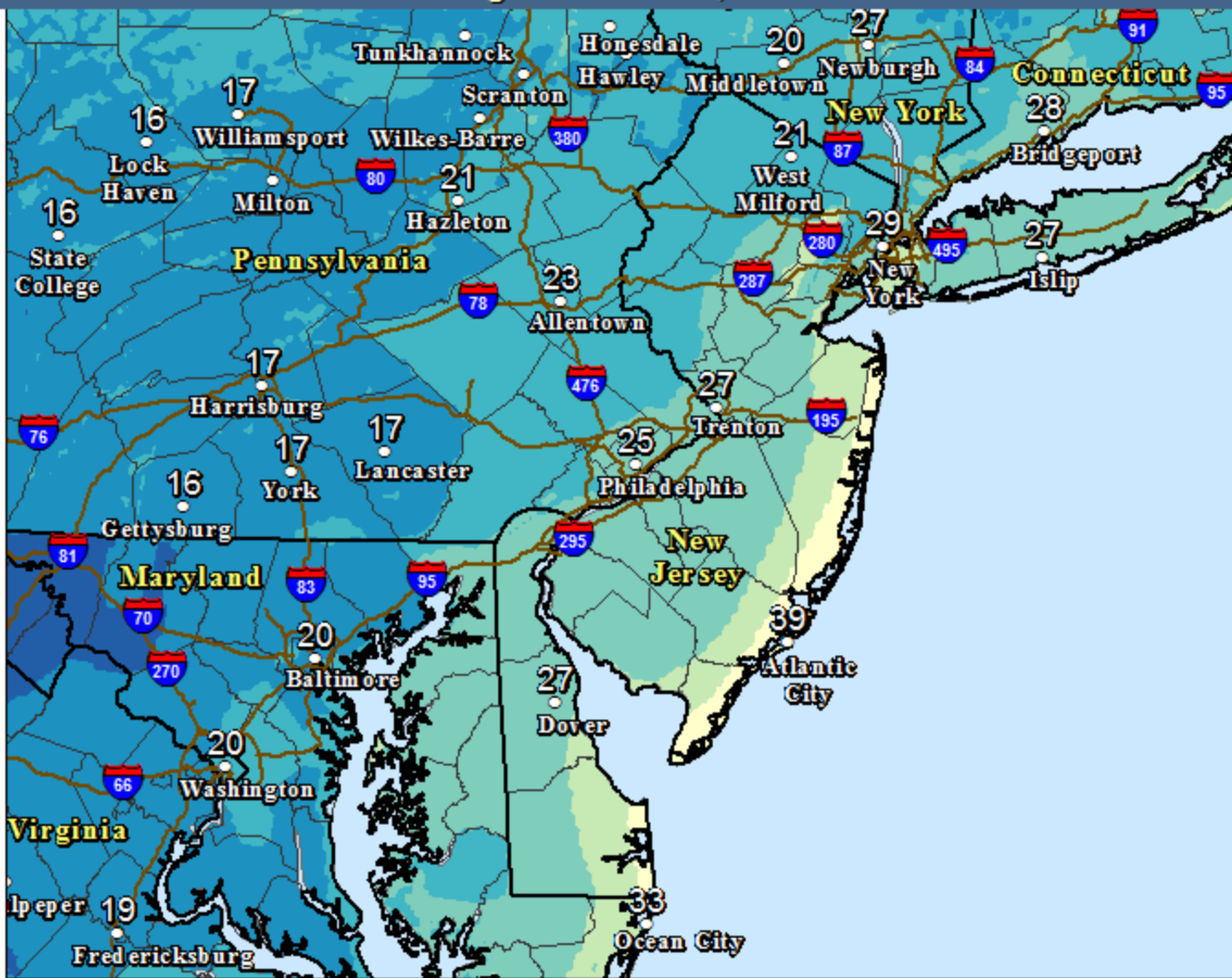
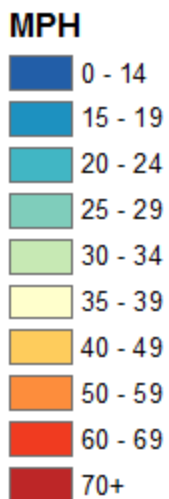


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Maximum Wind Gust - Through October 01, 2015 8:00 PM ET



Created by the
NWS Forecast Office
Philadelphia/Mt Holly



0 25 50 Miles

Source: NWS National
Digital Forecast Database

Created: 09/29/2015 1500 UTC

Wind gusts Thursday afternoon, October 1st. Wind gusts of 40+ mph are possible near the Atlantic coast. Wind gusts of 20 to 30 mph are possible for more inland locations.



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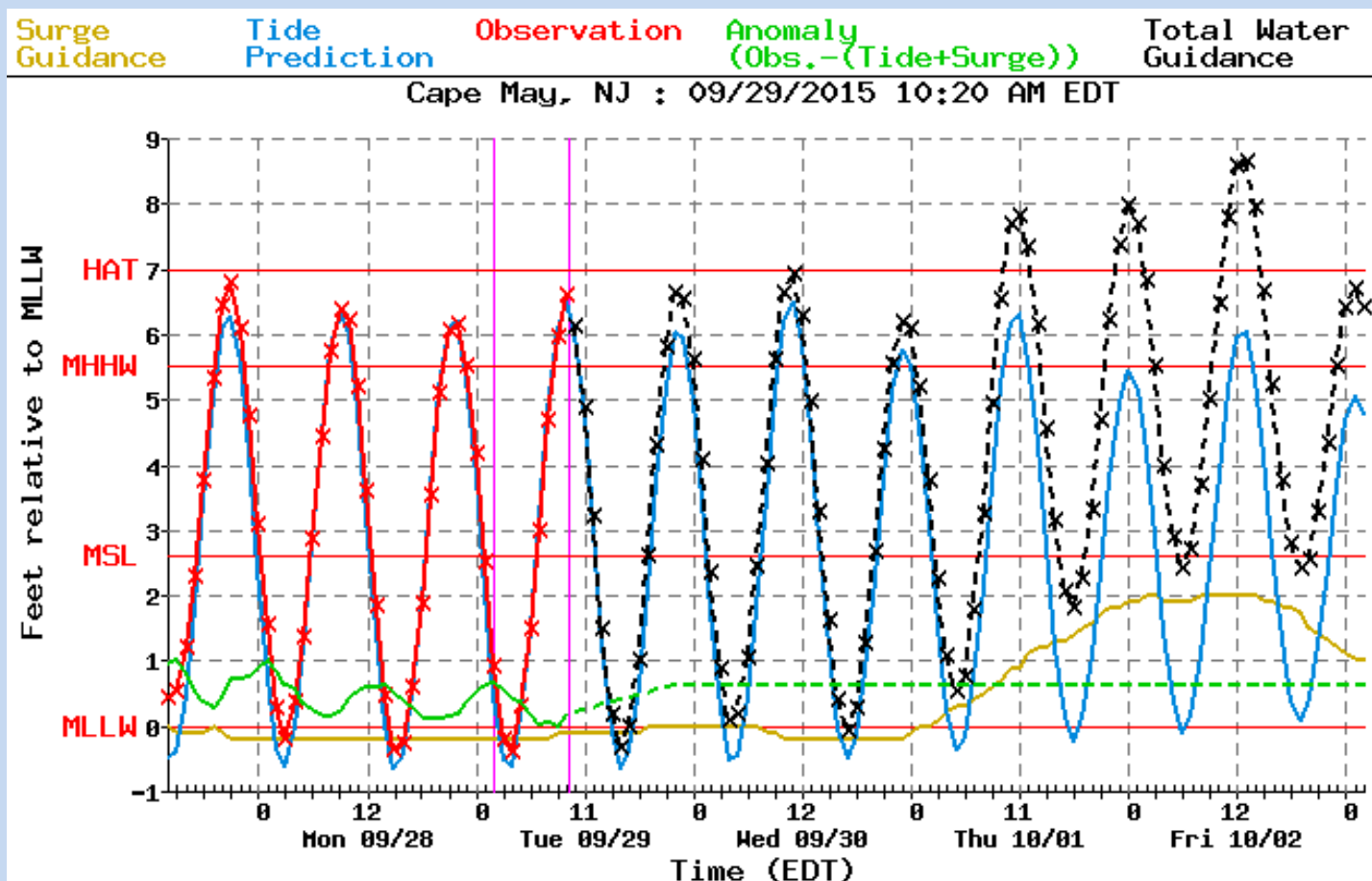
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As northeast winds increase later this week, tides will respond and start running higher along the NJ and DE Atlantic coasts. Moderate coastal flooding is now likely. This guidance product shows moderate tidal flooding occurring with both high tides on Thursday as well as the Friday morning high tide.



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