



Post-mortem Tropical Storm Isaac

Marine Conditions & Forecast

August 22-24, 2012

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Marine Focal Point
National Weather Service
WFO San Juan

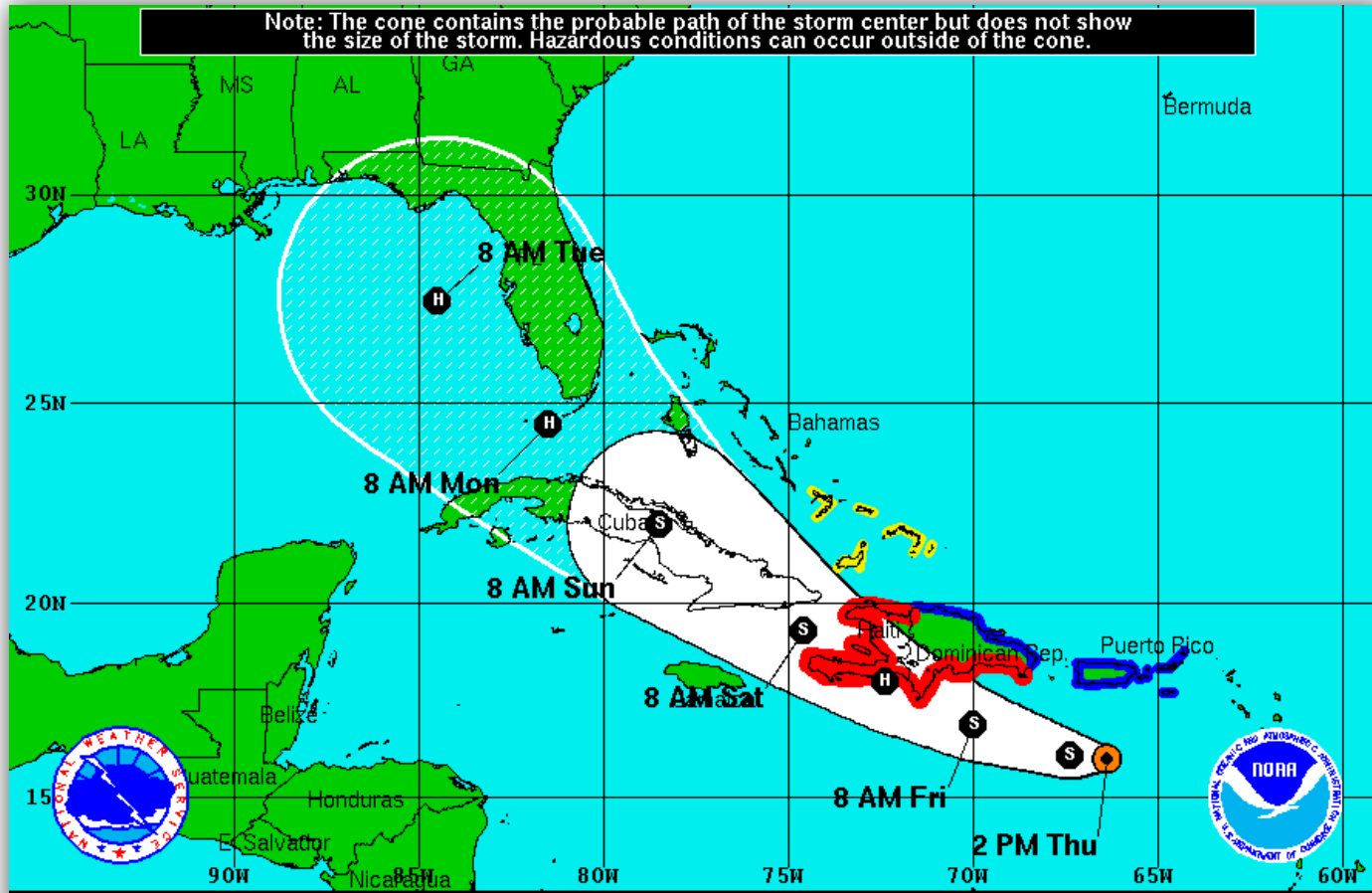


Advisory #10

August 23, 2012 2 PM AST



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.

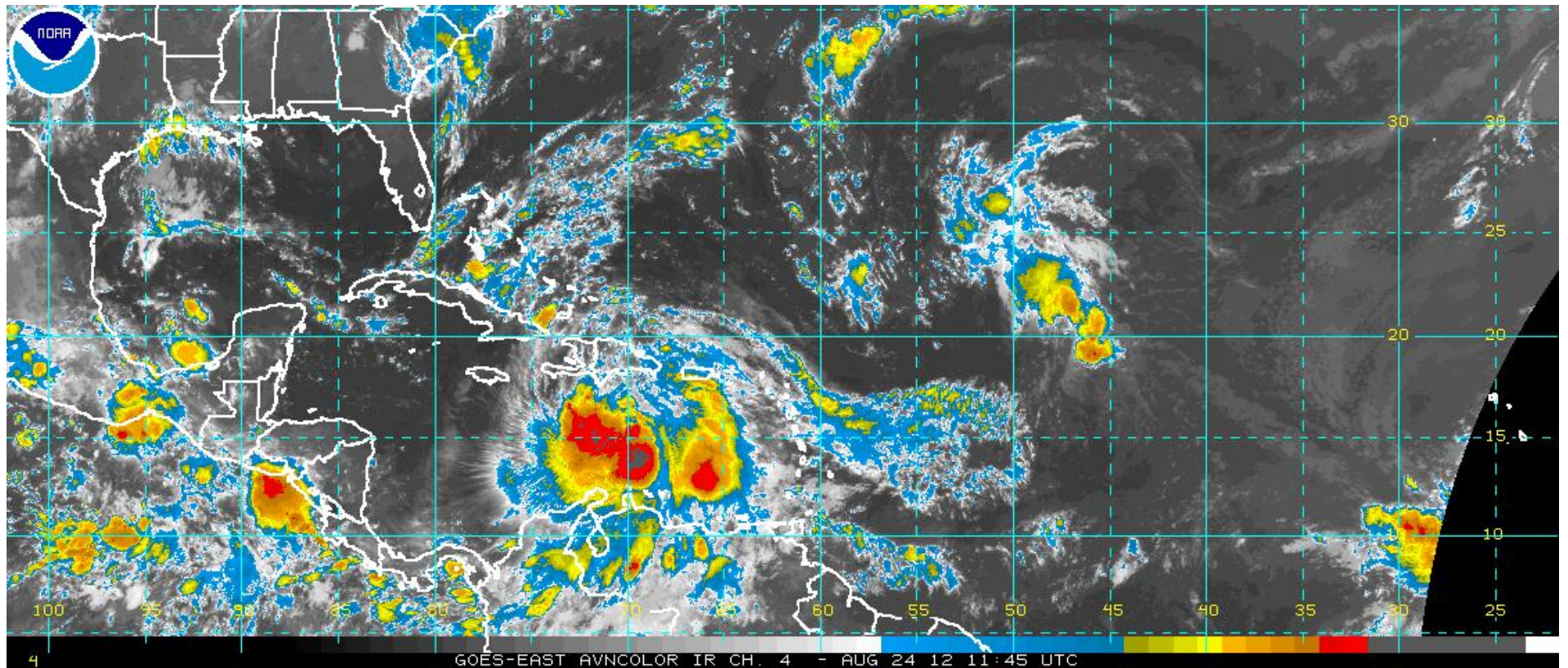


<p>Tropical Storm Isaac <i>Thursday August 23, 2012</i> 2 PM EDT Intermediate Advisory 10A NWS National Hurricane Center</p>	<p>Current Information: ● Center Location 16.0 N 66.4 W Max Sustained Wind 40 mph Movement WNW at 15 mph</p>	<p>Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph</p>
<p>Potential Track Area: Day 1-3 Day 4-5</p>	<p>Watches: Hurricane Trop.Storm</p>	<p>Warnings: Hurricane Trop.Storm</p>



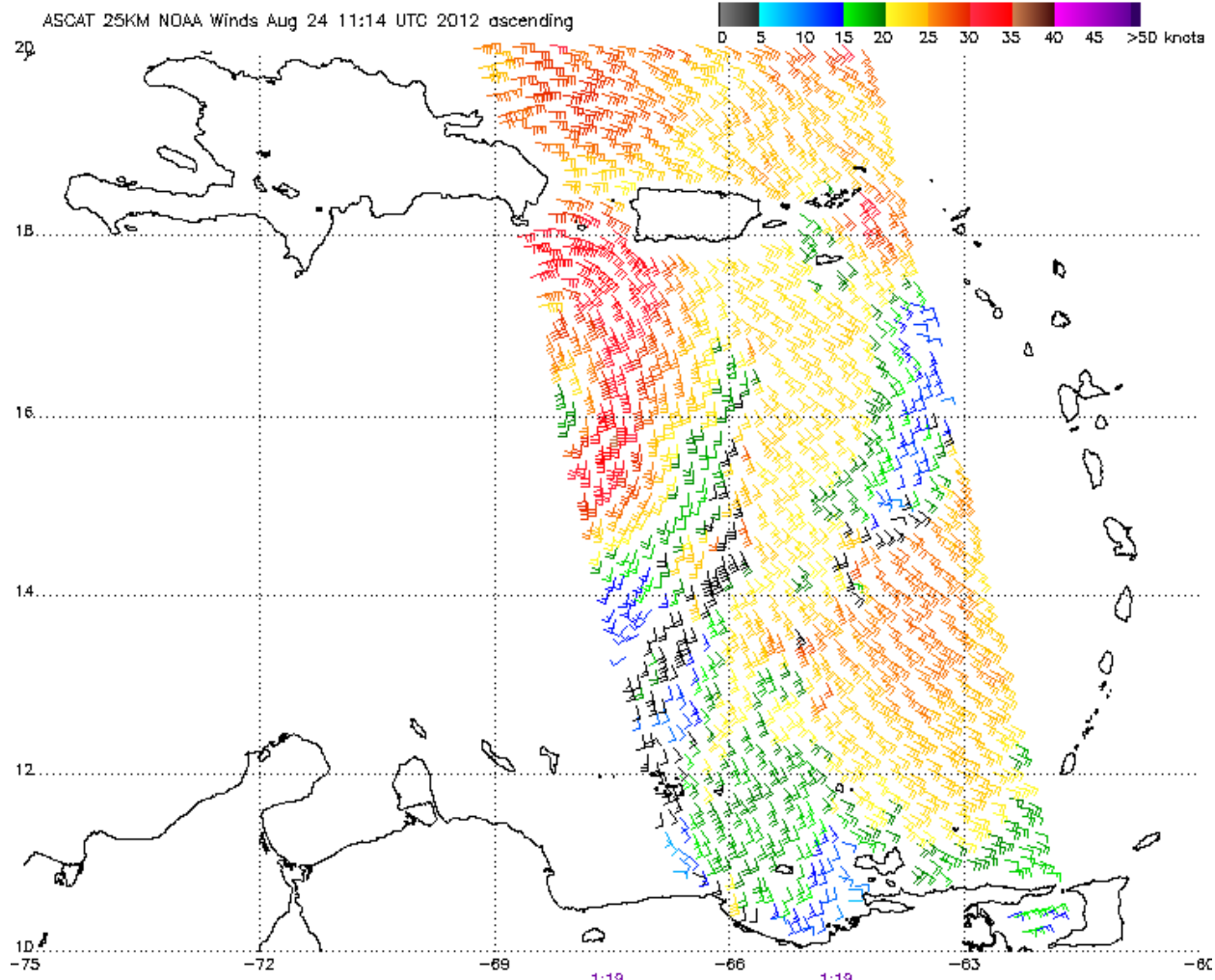
IR Satellite

Aug 24, 2012 7:45 AM AST





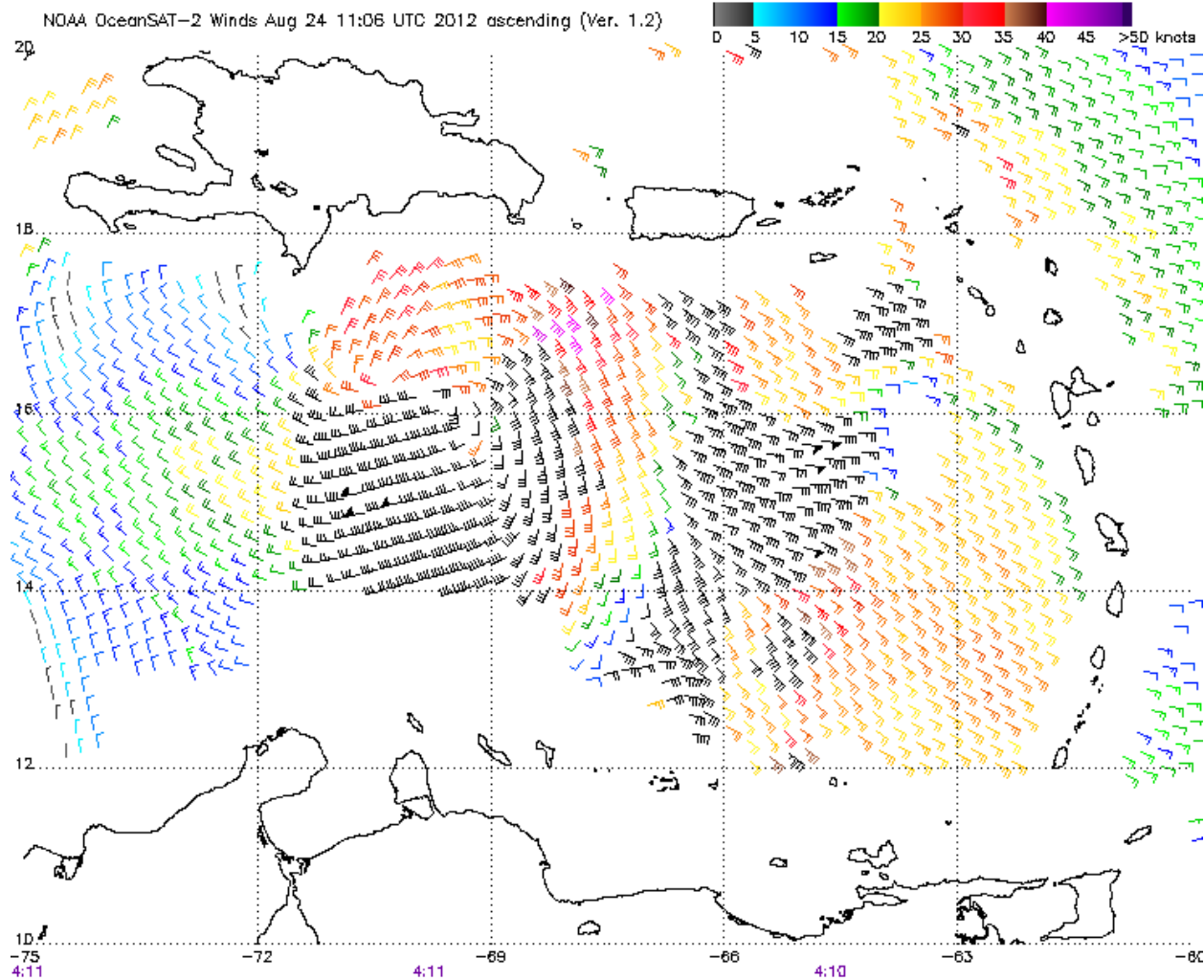
ASCAT - Ocean Surface Winds



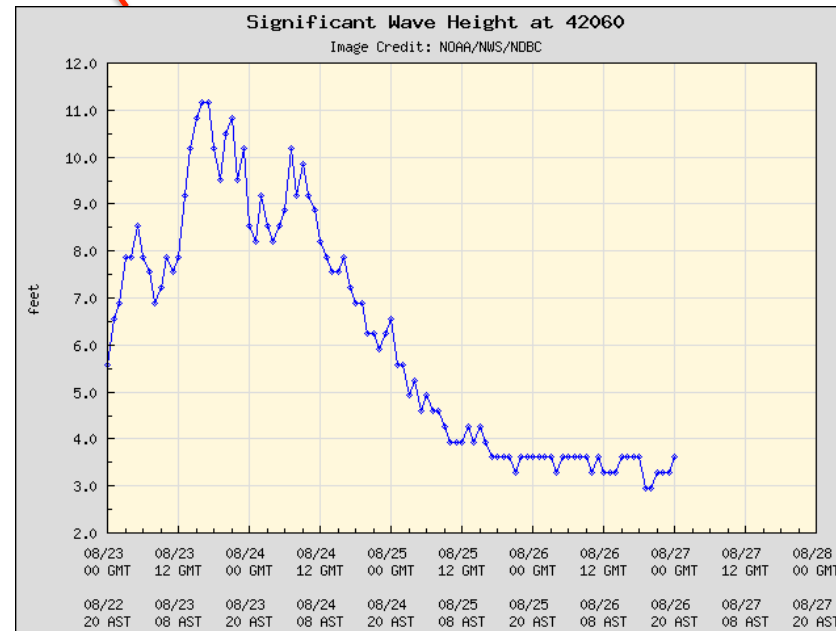
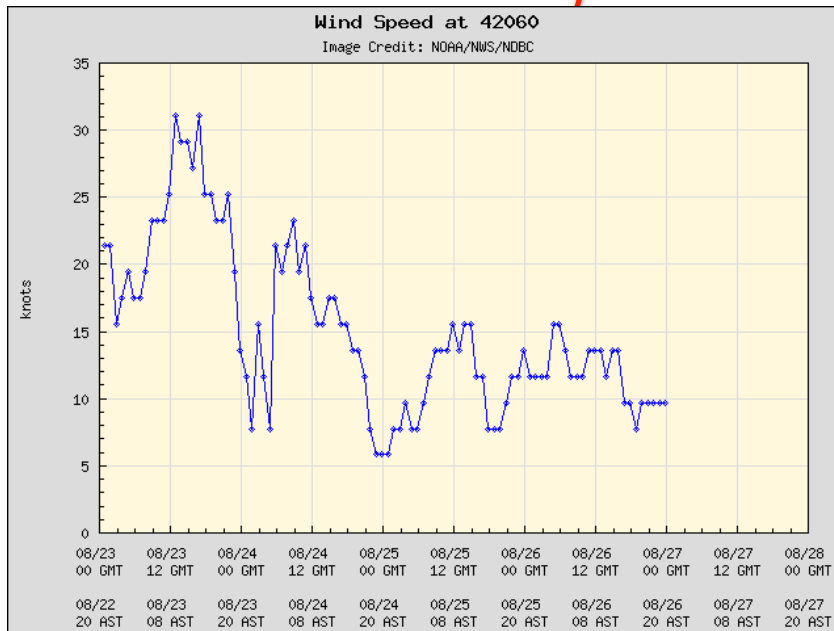
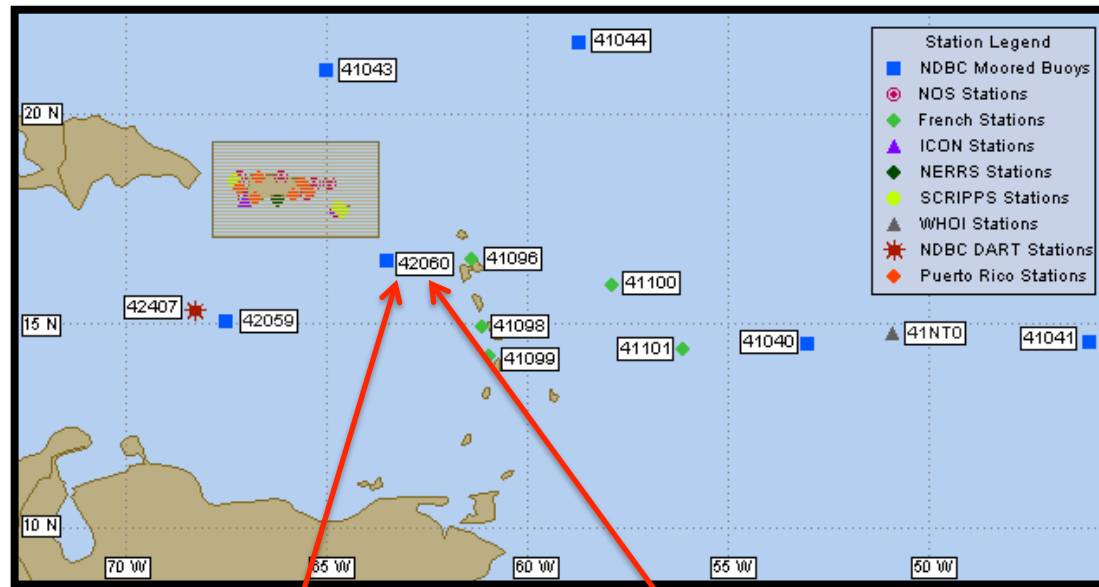
Note: 1) Times are GMT 2) Times along bottom correspond to measurement at 15N
3) Data buffer is 22 hrs from Aug 24 11:14 UTC 2012 4) Black circles indicate possible contamination
NOAA/NESDIS/Office of Research and Applications

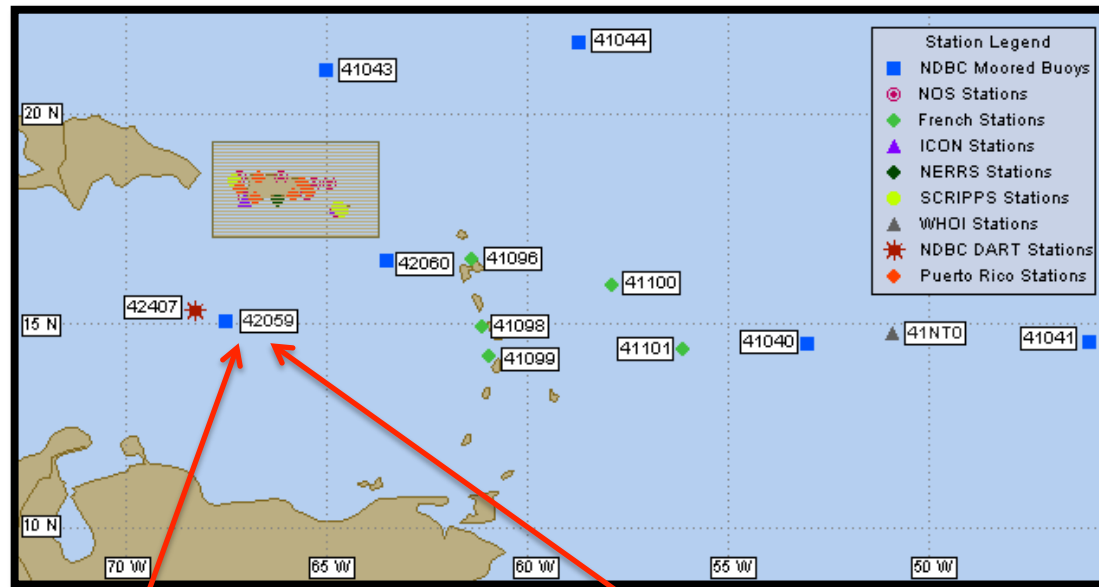


OceanSat - Ocean Surface Winds



Note: 1) Times are GMT 2) Times along bottom correspond to measurement at 20N
3) Data buffer is 22 hrs from Aug 24 11:06 UTC 2012 4) Black circles indicate possible contamination
NOAA/NESDIS/Office of Research and Applications





Wind Speed at 42059

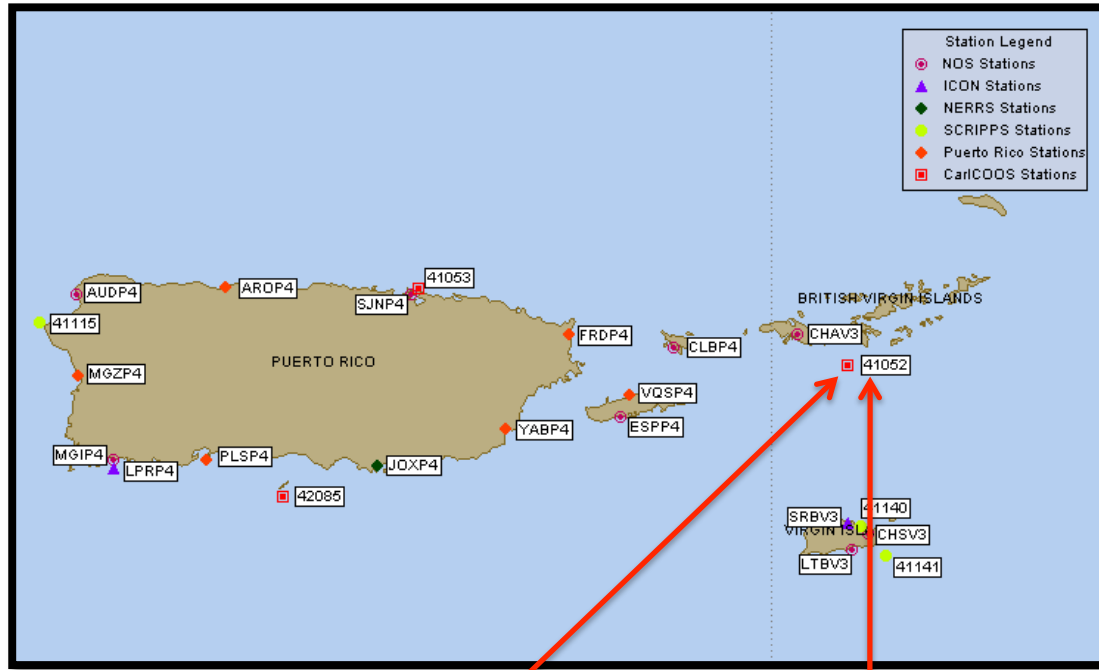
Image Credit: NOAA/NWS/NDBC



Significant Wave Height at 42059

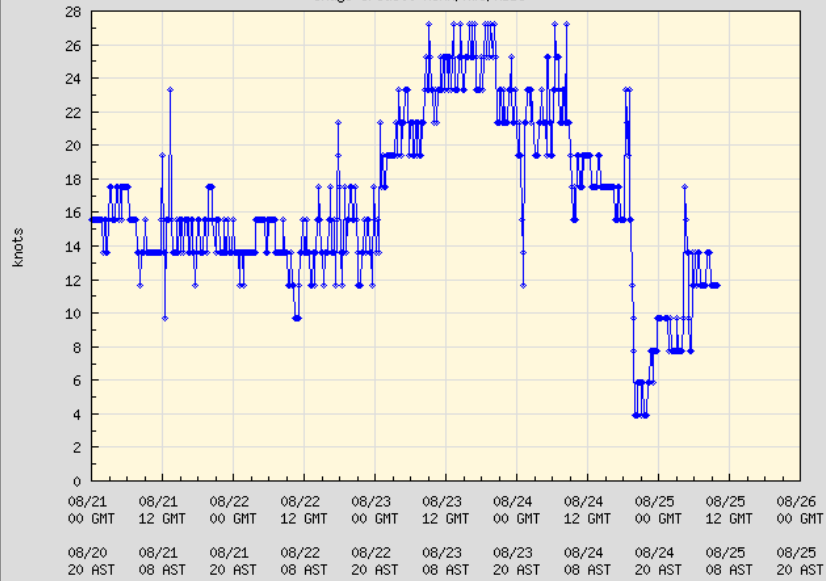
Image Credit: NOAA/NWS/NDBC





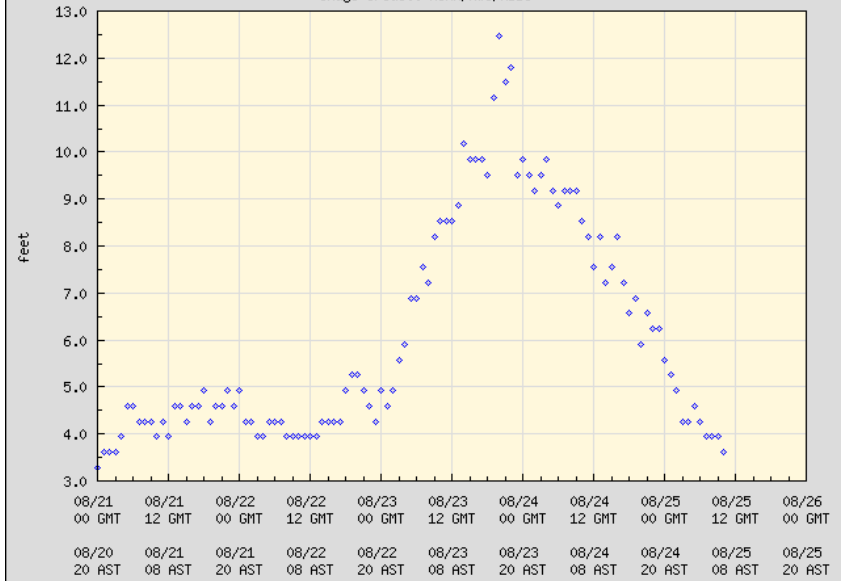
Wind Speed at 41052

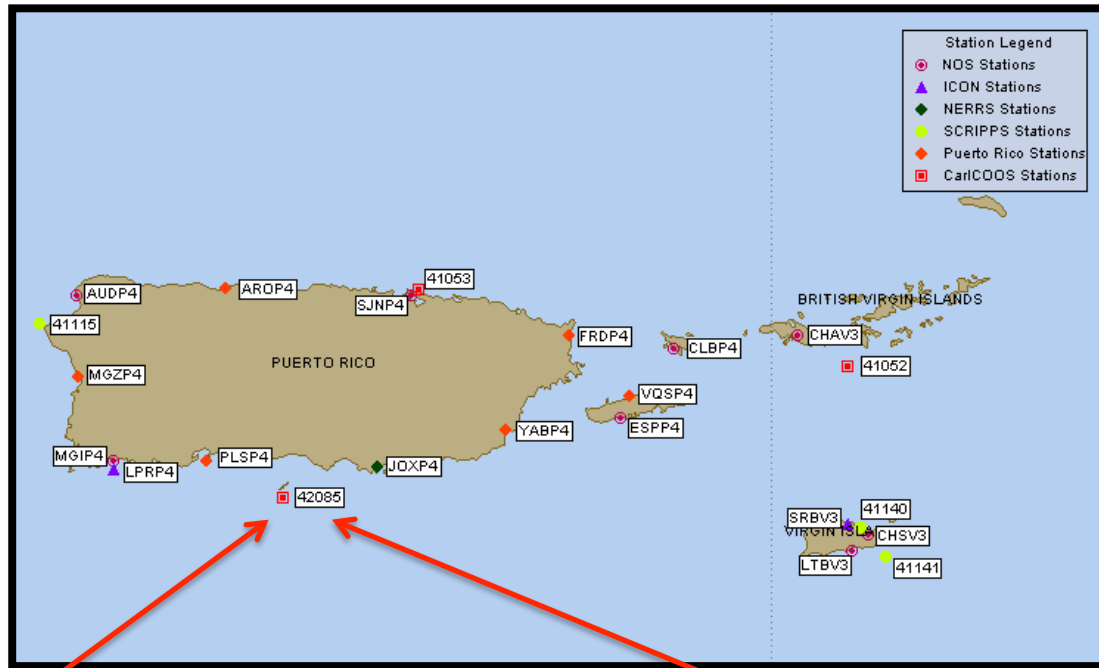
Image Credit: NOAA/NWS/NDBC



Wave Height at 41052

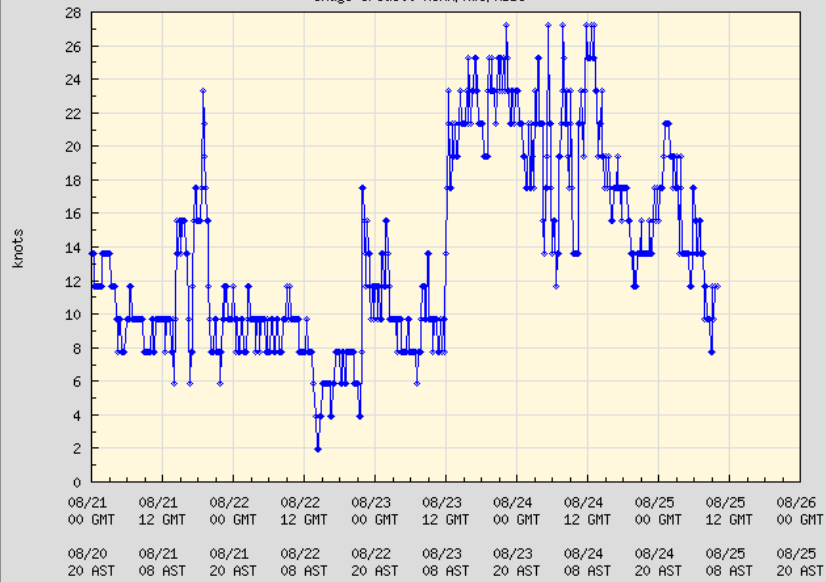
Image Credit: NOAA/NWS/NDBC





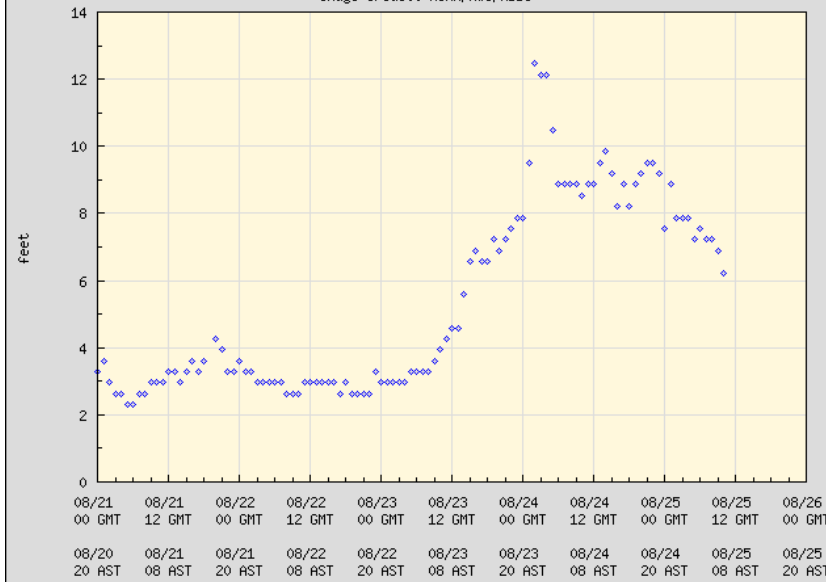
Wind Speed at 42085

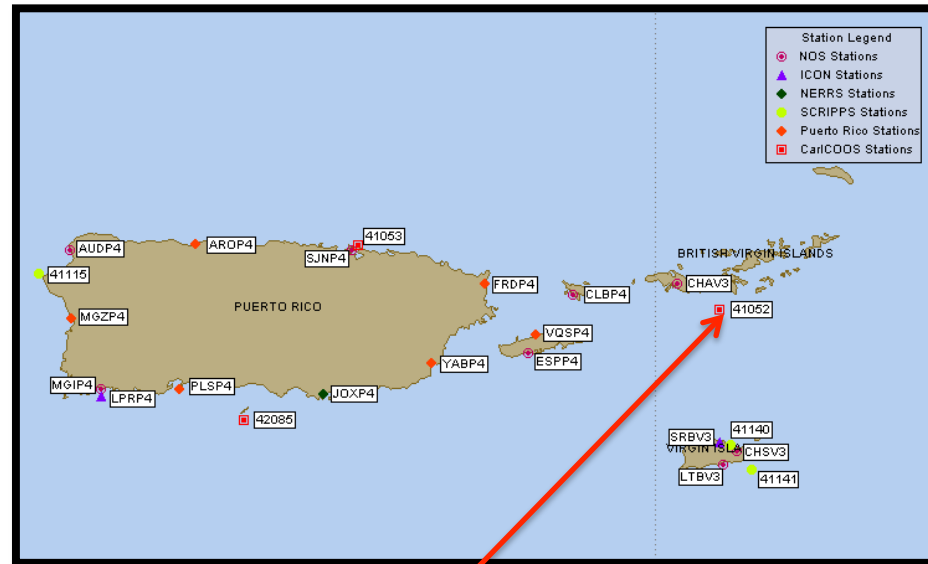
Image Credit: NOAA/NWS/NDBC



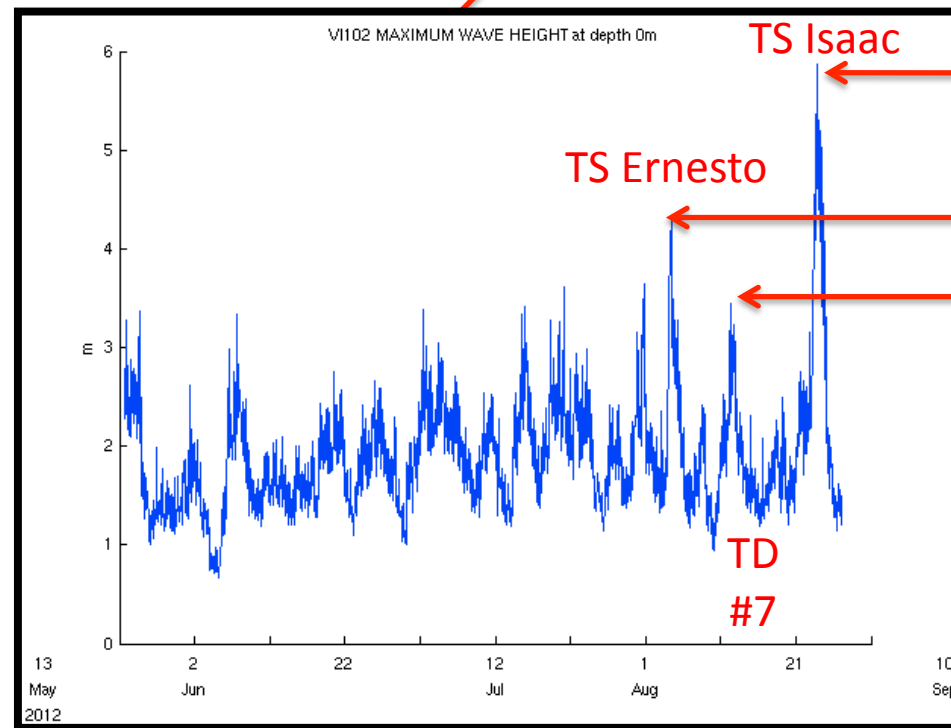
Wave Height at 42085

Image Credit: NOAA/NWS/NDBC





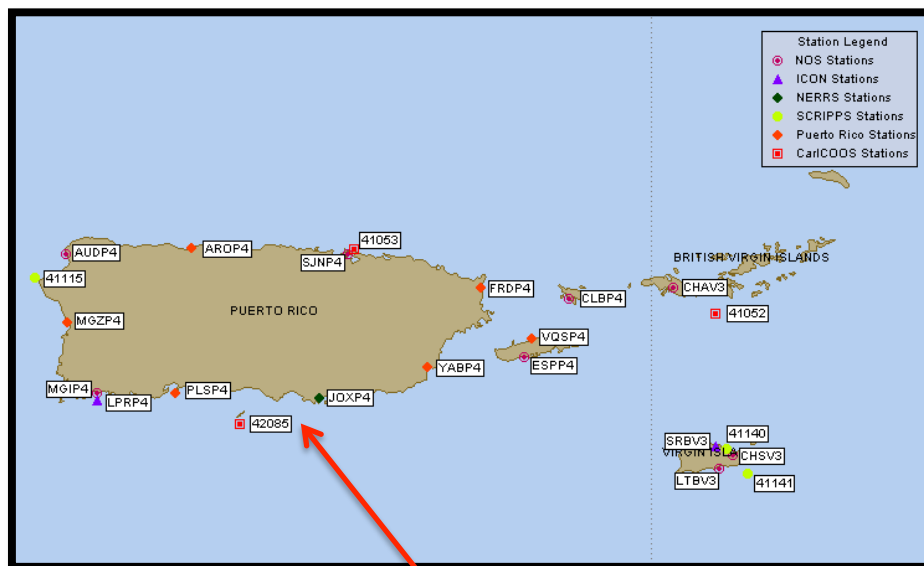
Maximum Wave Height



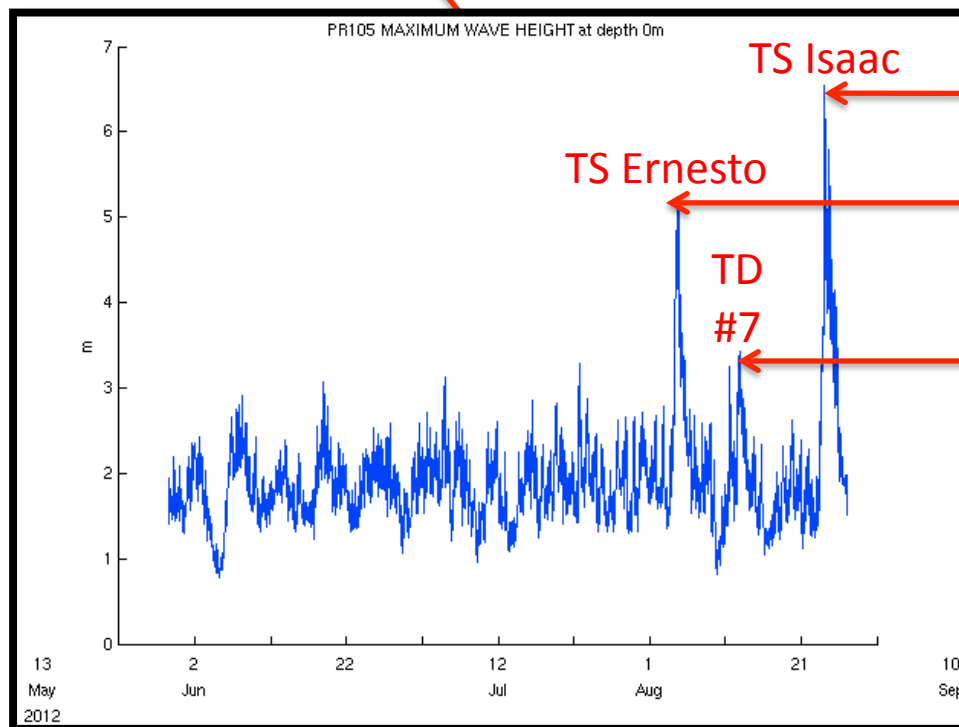
19.3 feet

14.1 feet

10.5 feet



Maximum Wave Height



22.1 feet

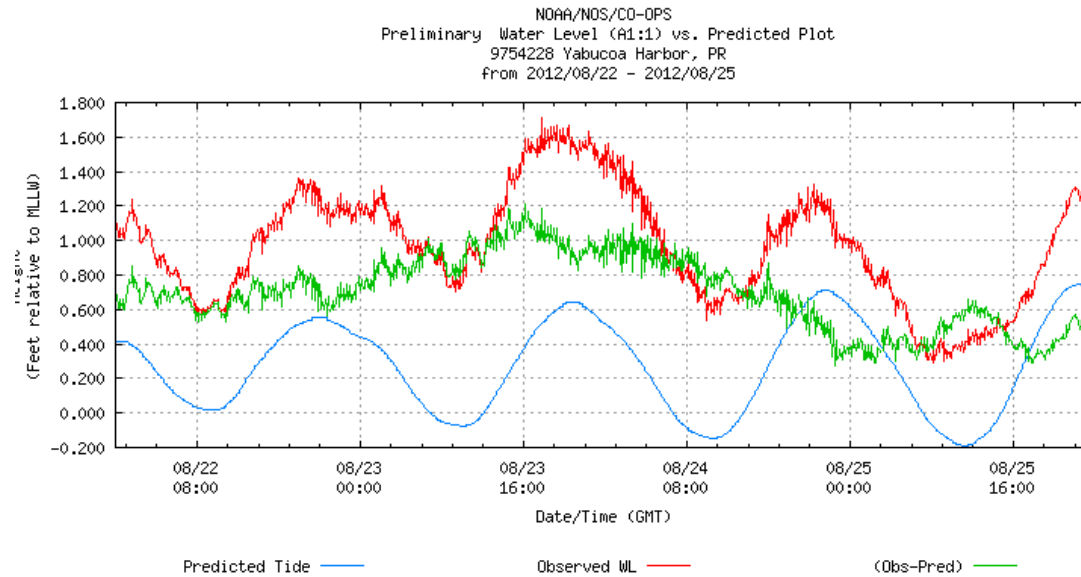
16.4 feet

11.2 feet

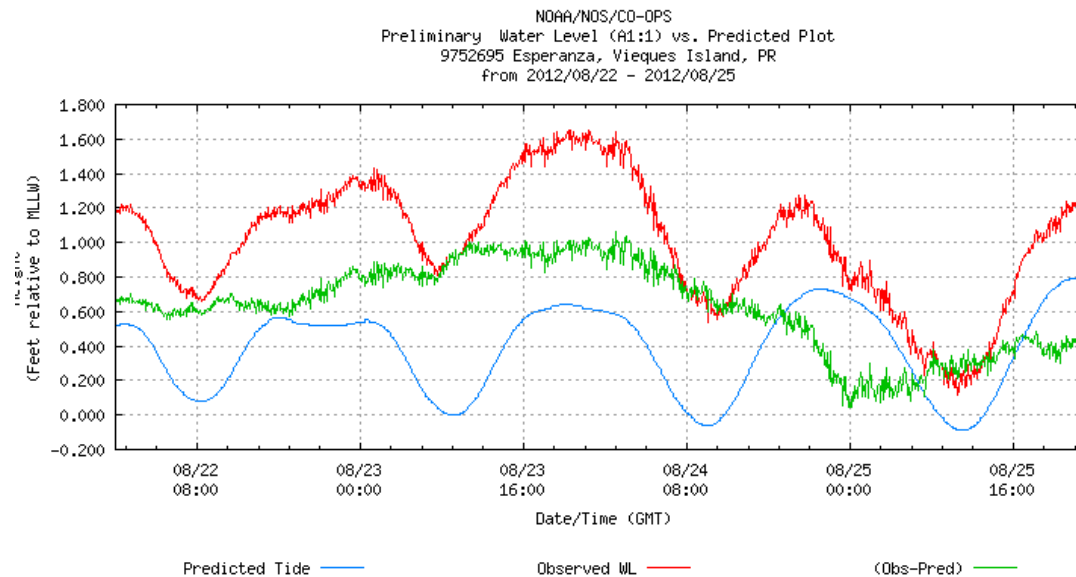


Storm Surge/Storm Tide

Yabucoa
Harbor, PR



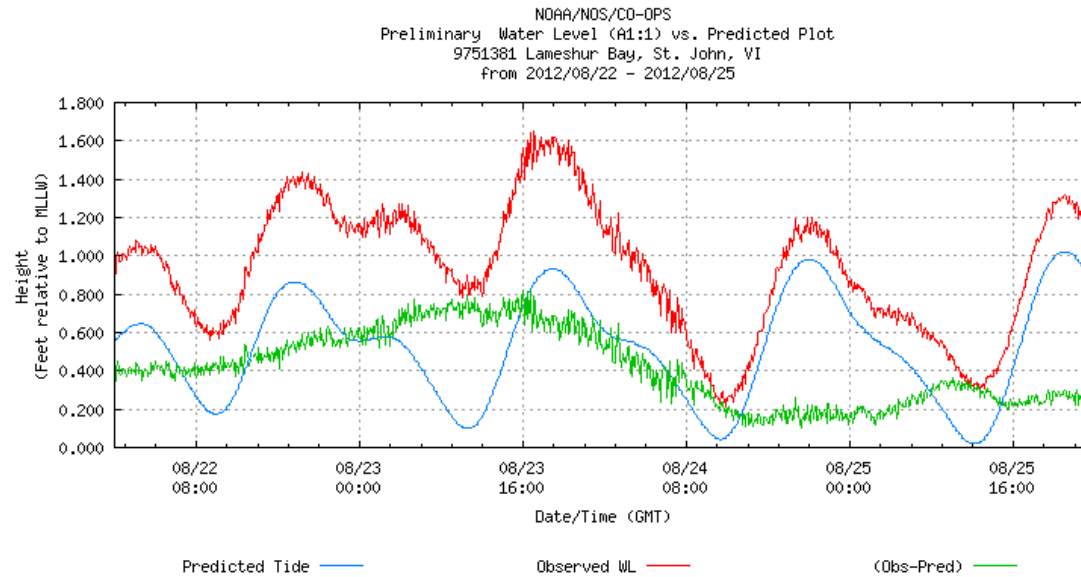
Esperanza,
Vieques, PR



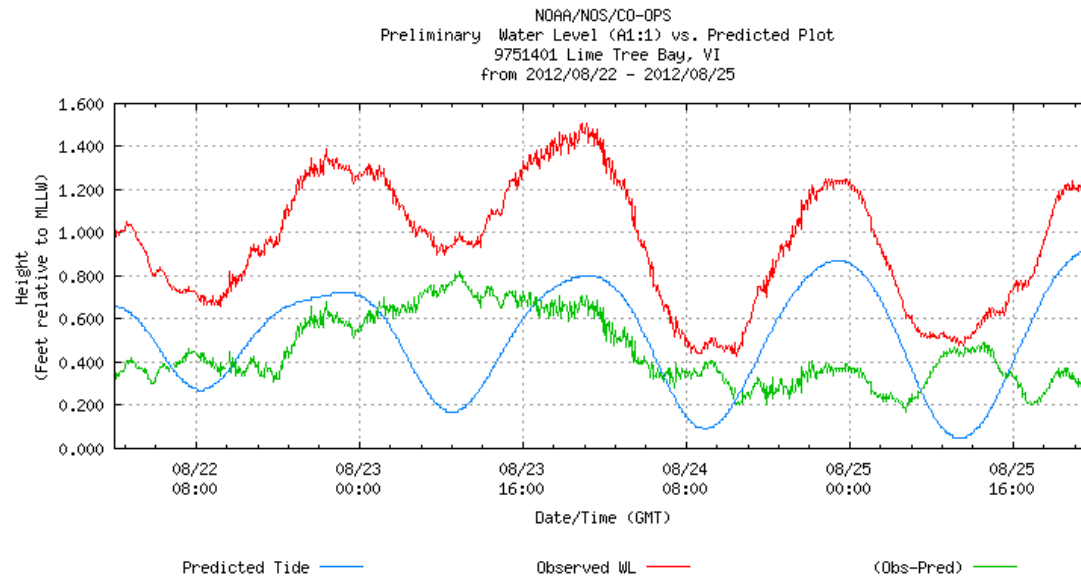


Storm Surge/Storm Tide

Lameshur Bay
St. John



Lime Tree,
St. Croix



Marine Forecast 24-36 hours before the event

AMZ725-230315-
 COASTAL WATERS OF SOUTHERN USVI VIEQUES AND EASTERN PUERTO RICO OUT
 10 NM-
 1055 AM AST WED AUG 22 2012

...TROPICAL STORM WARNING IN EFFECT...
 ...HURRICANE WATCH IN EFFECT...

.REST OF TODAY...NORTHEAST WINDS 16 TO 21 KNOTS. SEAS 5 TO 8 FEET.
 CHANCE OF SHOWERS LATE IN THE MORNING...THEN CHANCE OF THUNDERSTORMS
 IN THE AFTERNOON.
 .TONIGHT...TROPICAL STORM CONDITIONS POSSIBLE. NORTHEAST WINDS 27 TO
 32 KNOTS. SEAS 8 TO 12 FEET. SHOWERS LIKELY AND SLIGHT CHANCE OF
 THUNDERSTORMS.

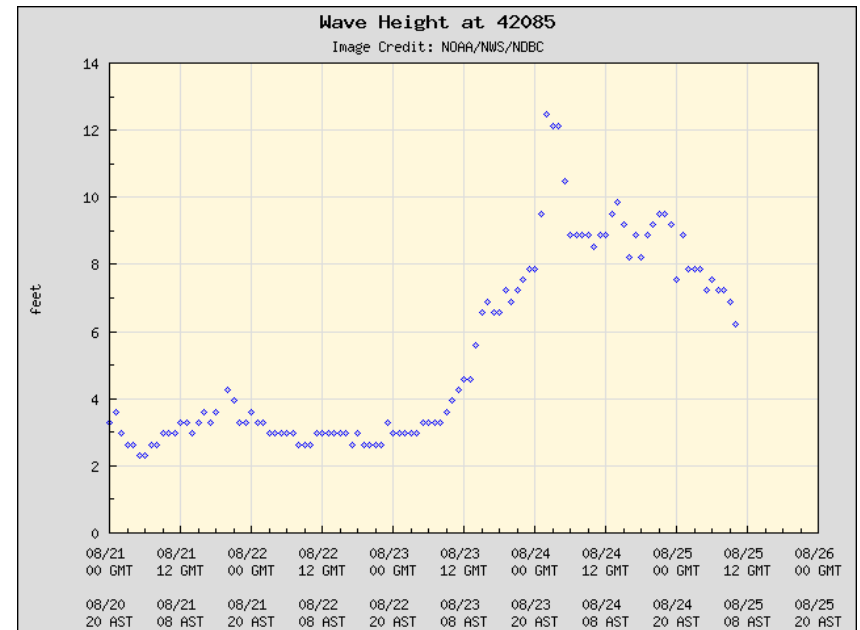
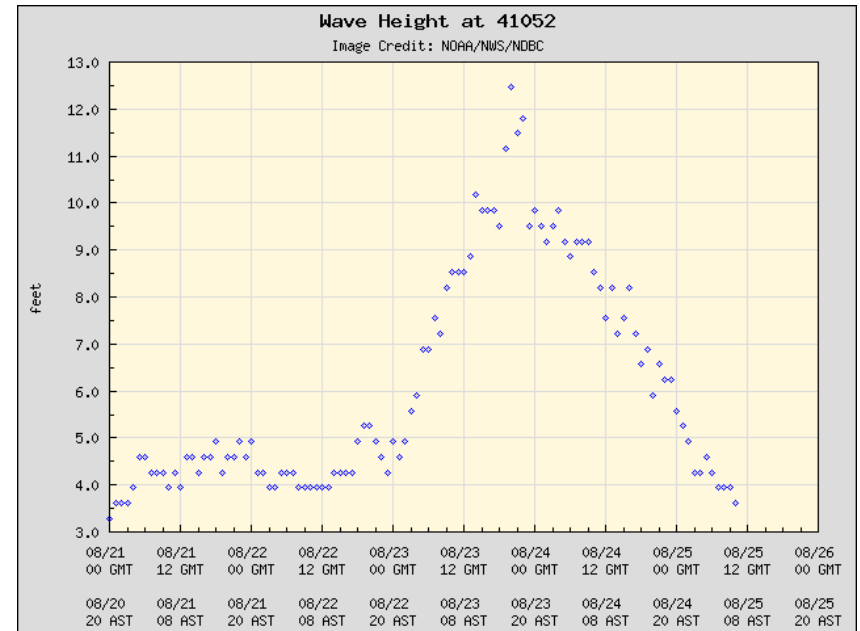
.THURSDAY...TROPICAL STORM CONDITIONS EXPECTED WITH HURRICANE
 CONDITIONS POSSIBLE. EAST WINDS 29 TO 34 KNOTS. SEAS 12 TO 16 FEET.
 SHOWERS WITH THUNDERSTORMS LIKELY.
 .THURSDAY NIGHT...TROPICAL STORM CONDITIONS EXPECTED WITH HURRICANE
 CONDITIONS POSSIBLE. SOUTHEAST WINDS 26 TO 31 KNOTS. SEAS 10 TO
 14 FEET. SHOWERS WITH THUNDERSTORMS LIKELY.

AMZ735-230315-
 COASTAL WATERS OF SOUTHERN PUERTO RICO OUT 10 NM-
 1055 AM AST WED AUG 22 2012

...TROPICAL STORM WARNING IN EFFECT...
 ...HURRICANE WATCH IN EFFECT...

.REST OF TODAY...NORTH NORTHEAST WINDS 6 TO 11 KNOTS. SEAS 3 TO
 6 FEET. SLIGHT CHANCE OF SHOWERS LATE IN THE MORNING.
 .TONIGHT...NORTH NORTHEAST WINDS 12 TO 17 KNOTS. SEAS 3 TO 6 FEET.
 SLIGHT CHANCE OF THUNDERSTORMS THROUGH THE NIGHT. CHANCE OF SHOWERS
 AFTER MIDNIGHT.

.THURSDAY...TROPICAL STORM CONDITIONS EXPECTED WITH HURRICANE
 CONDITIONS POSSIBLE. NORTH NORTHEAST WINDS 16 TO 21 KNOTS BECOMING
 EAST NORTHEAST 34 TO 39 KNOTS IN THE AFTERNOON. SEAS 8 TO 12 FEET.
 SHOWERS WITH THUNDERSTORMS LIKELY.
 .THURSDAY NIGHT...TROPICAL STORM CONDITIONS EXPECTED WITH HURRICANE
 CONDITIONS POSSIBLE. EAST SOUTHEAST WINDS 33 TO 43 KNOTS. GUSTS UP
 TO 55 KNOTS IN THE EVENING. SEAS 12 TO 16 FEET. SHOWERS WITH
 THUNDERSTORMS LIKELY.





Data sources

- NOAA National Data Buoy Center
 - <http://www.ndbc.noaa.gov/maps/Caribbean.shtml>
- NOAA Tides and Currents
 - <http://tidesandcurrents.noaa.gov/>
- NOAA National Hurricane Center
 - <http://www.nhc.noaa.gov/>
- National Weather Service – WFO San Juan
 - <http://www.srh.noaa.gov/sju/?n=marine01>
- CarICOOS
 - <http://caricoos.org/drupal/>