



CARICOOS

Update

CRRT Meeting

St. Thomas 15-16 June 2016



Vanessa Wright,
 CARICOOS-UVI
 Roy Watlington,
 CARICOOS Board of Directors

- General Assembly – new developments
- Beta version of the CARICOOS webpage
- Crown Bay current meter/weather station installation
- St. John buoy overhaul
- Relocating the UVI buoy
- Contributing to Tropical Shipping Disaster Management Workshops
- Assisting VITEMA's maritime tsunami preparedness
- Using NOAA/AOML gliders to assess HF radar off Puerto Rico
- Rutgers glider trials from St. Thomas
- New organization: **Caricoos, Inc.**

CARICOOS – Caribbean Coastal Ocean Observing System

General Assembly, April 27-28, 2016, San Juan, PR

- new 5 year funding
- new structure (“Caricoos, Inc.”)
- new Board of Directors



- USVI Directors:
- Carlos Farchette
 - Mark Sabino
 - Marjorie Smith
 - Roy Watlington



CARICOOS' new beta version webpage

Illustration: "point forecast" for sea state

www.caricoos.org



CARICOOS-UVI

➤ Crown Bay installation:

- Meteorological station
- ADCP Currents
- Hydrographic variables

➤ Thermistor chain

➤ Relocating UVI buoy



Tropical Shipping Disaster Management Workshops – CARICOOS lends its expertise



2016 Disaster Management Workshop Series
Building Risk-Aware and Resilient Communities

*“Building a Culture of Preparedness
– When seconds count.”*

St. Croix, St. Thomas, Providenciales, Nassau,
Freeport, Port Of Spain, Roseau

*Natural Hazard Vulnerability
in the Caribbean*

Roy A. Watlington
Caribbean Coastal Ocean Observing System



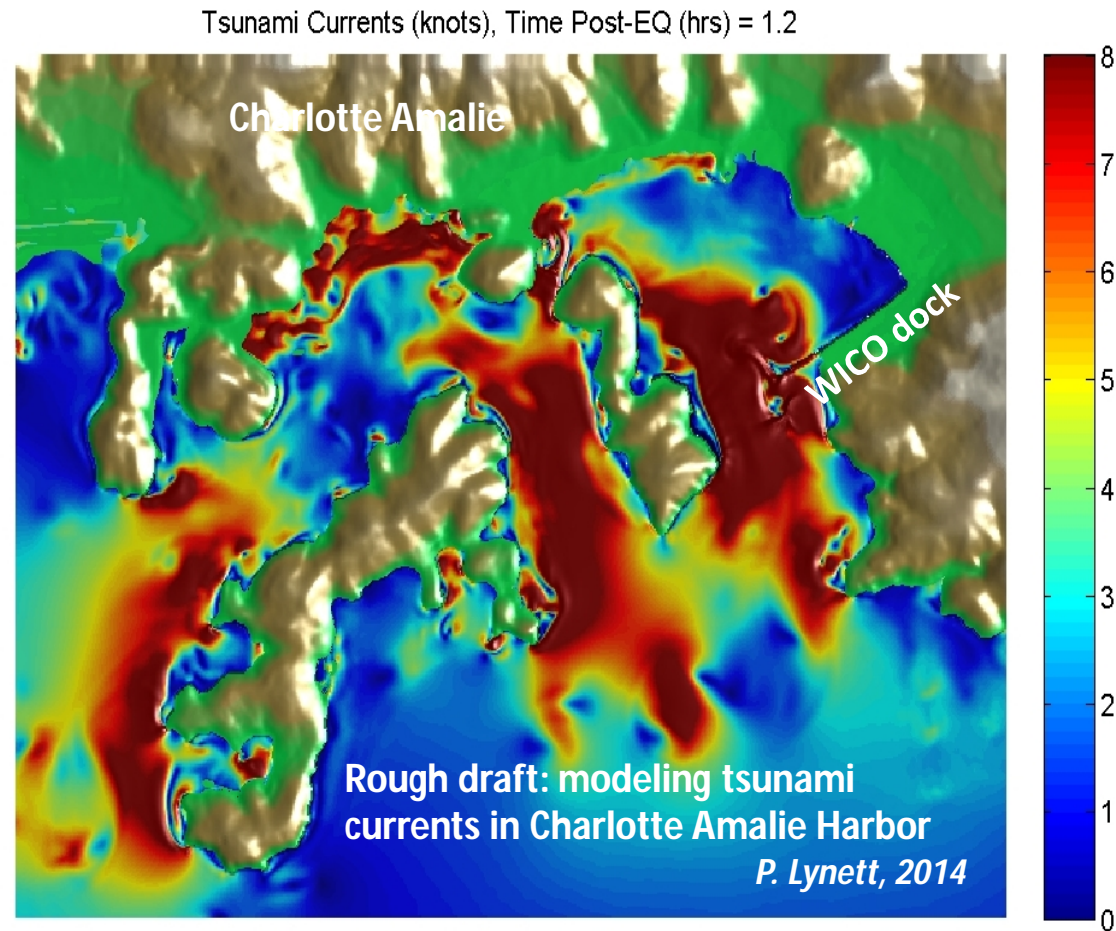
CARICOOS supports VITEMA's maritime preparedness, tsunami currents modeling

Nuclear submarines *USS Corpus Christi* and *USS Houston* experienced anomalously strong currents in Apra Harbor, Guam residual from the 2011 Tohoku tsunami, even though the sea level in harbor was only elevated 1 foot.

–*Asian Correspondent, March 12, 2011*



USS Houston

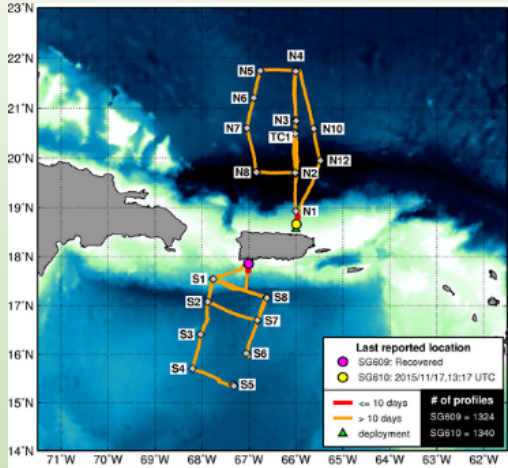


Draft questionnaire for mariners: Decisions for the mariner facing tsunami threat

- If already out to sea: should you hasten back to shore or into a safe harbor?
- If near the shore, should you tie up the vessel, disembark and run to high ground?
- Is it best to ride it out in harbor with several anchors deployed and engines idling ?
- Maybe take the (small) vessel out of the water and get it to high ground ?
- Should you head out to sea to a distance of ____?____ miles ?
- Or head out to deep water to a depth of ____?____ feet/fathoms/meters?



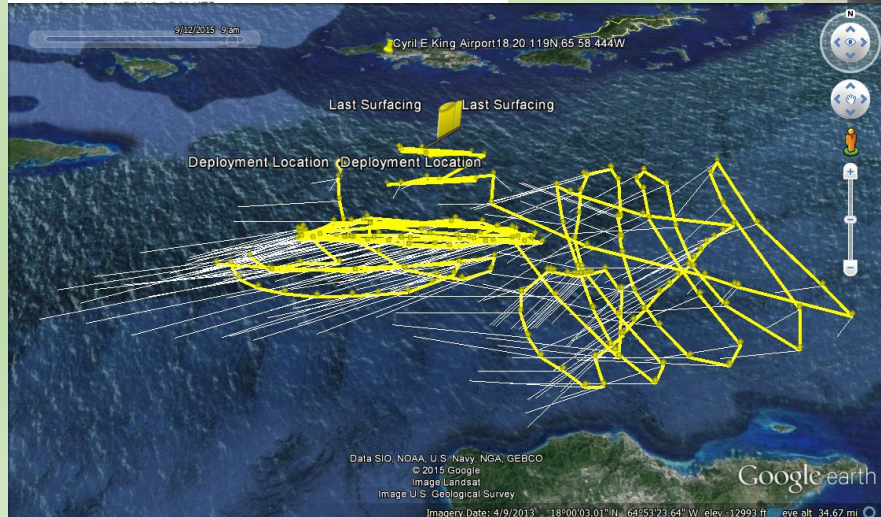
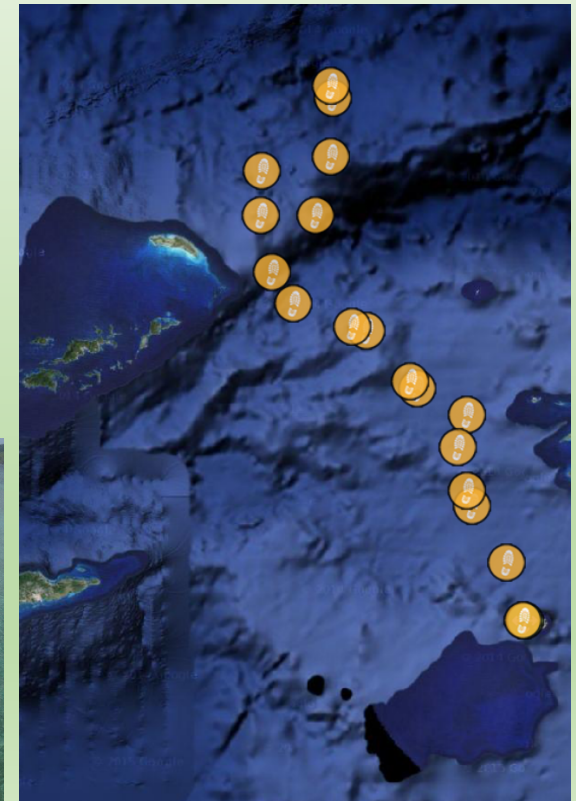
Cooperative studies with gliders and drifters



**NOAA-AOML
Glider –
validating
HF Radar obs**



NOAA drifters



**Rutgers' Clark
Glider 2015
-- laying in
wait for a
hurricane**

