

WERA Radars for Surface Currents in GA and NC

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Objective and Approach

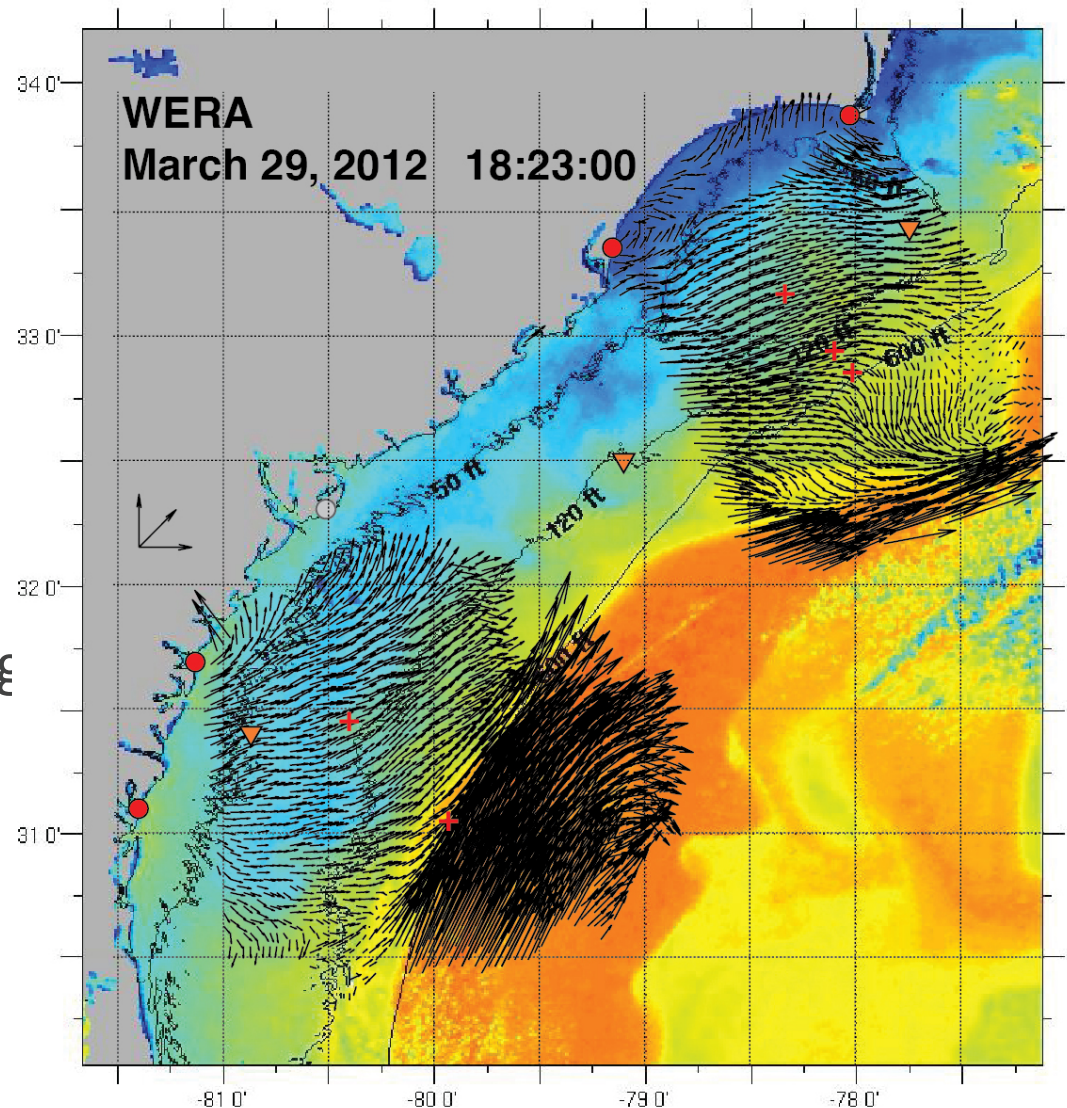
Objective

- Provide maps of surface currents
- At high temporal and spatial resolution.
- In near real-time.

Approach

- By maintaining and repairing shore-based radar systems
- Within the thunderstorm and hurricane threats that imperil them.

NOAA-18 Sea Surface Temperature: March 29, 2012 0833 GMT
Rutgers Coastal Ocean Observation Lab



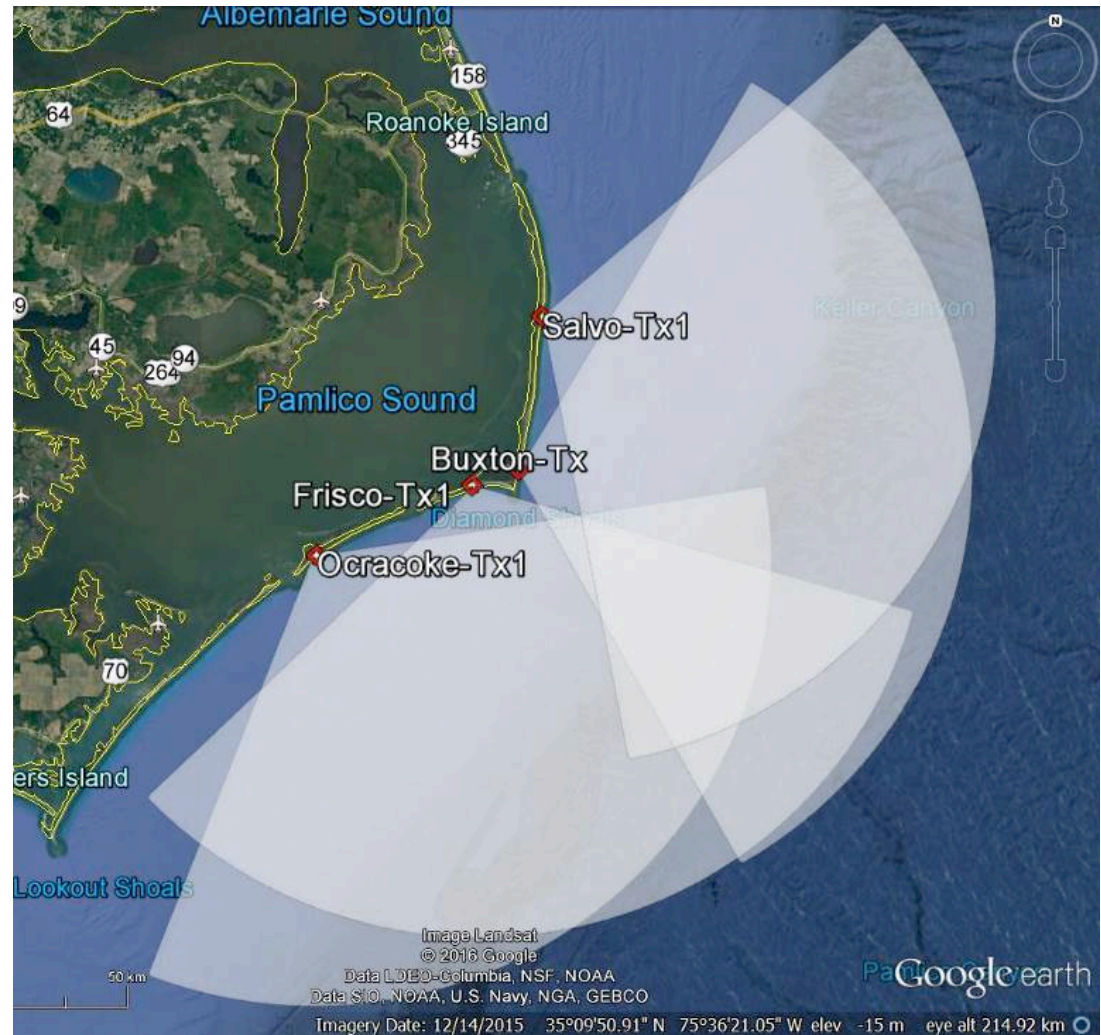
Accomplishments

- Operation of St Cath's.
- Operation of Jekyll with diminished hardware until Hurricane Irma.
- For Jekyll, new equipment, new site required.



Accomplishments

- NC radar installations.
- Significantly expand coverage when combined with southernmost UNC CODAR site.
- Seeking funding to purchase these leased, temporary (so far) installations.
- Contributing to MARACOOS mapping.



Impact

- In locations with good spatial coverage, these data are INVALUABLE for assistance in Coast Guard Search and Rescue.
- Contributions to glider control, model validation.
- Strong potential to examine wave field spatial variation, to assist with Marine forecasts, erosion and rip current risks.

<http://nccoos.org>. Click on “Platforms” and then “HF Radar”.

