

# SECOORA Glider Observatory

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# Objective and Approach

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## Objective

- 3-5 glider deployments per year in SECOORA footprint, leveraging ops
- Raise visibility of glider work in South East
- Leverage SECOORA assets
- Collect data that is useful to science, fisheries, general public
- Engage stakeholders through effective partnerships

## SECOORA Focus Areas

- Marine Operations/ Coastal Hazards
- Mapping missions on shelf, Gulf Stream edge have high value for data assimilation
- Acoustic receivers and other equipment serve stakeholder partners: NASA, GRNMS, Ocean Tracking Network, FACT, NOAA/NC-COS, FWRI





# Accomplishments

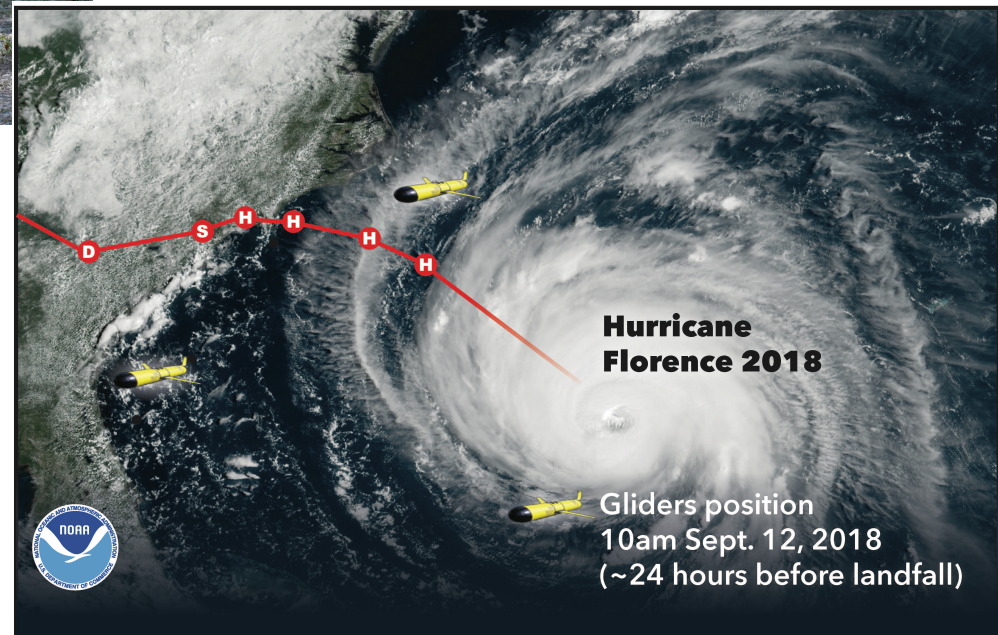


- Meet Franklin!



- 5 deployments (all gliders),  
>100 total glider-days

- Deployed 2 gliders into Hurricane Florence
- New (~\$210k) funding for 2019, 2020 hurricane seasons



# Impact

- Data submitted to NGDAC for data assimilation in real time to improve operational ocean model forecasts *and* tropical storm intensity error
- High visibility of HurricaneGliders demo project highlights value of observations in SECOORA footprint
- Data sharing with FACT, OTN, fisheries partners
- New techniques for path planning
- New understanding of acoustic telemetry performance on mobile assets
- 2 journal papers, 4 conference papers published in year 3

