

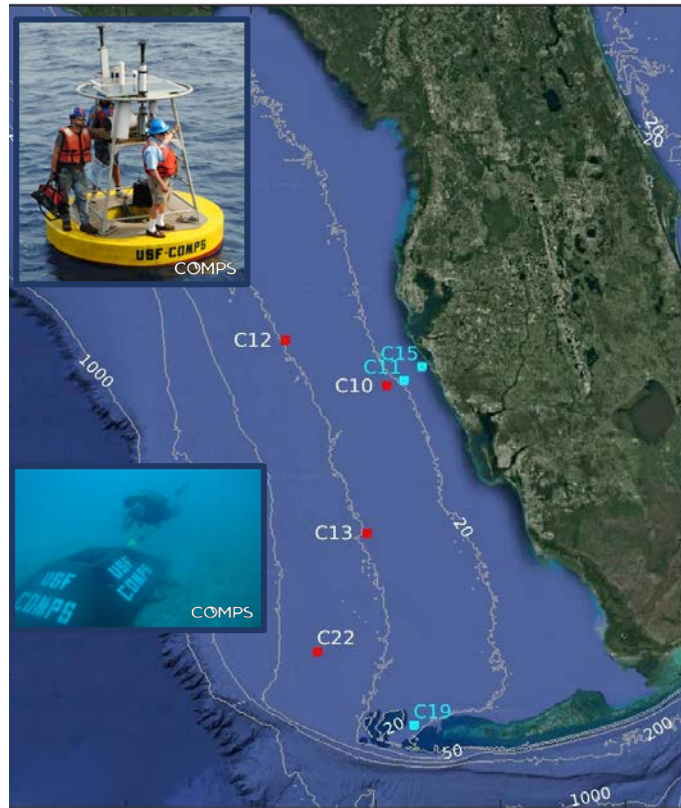
# Hurricane Ian: Coastal Ocean Observing & Modeling

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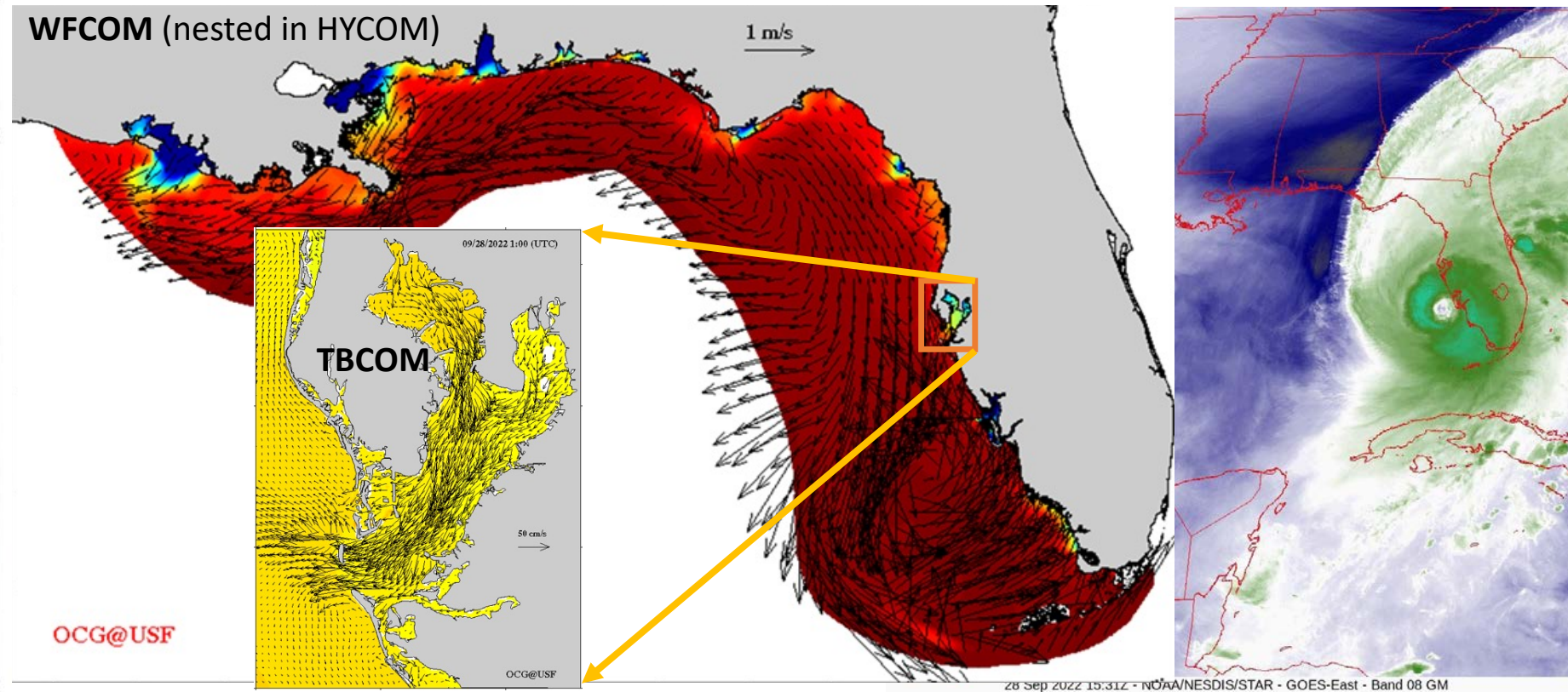
# Overview of the Project

Coordinated coastal ocean circulation observing & modeling on the West Florida Shelf and its estuaries. Applications to the matters of societal concern: HABs, fisheries, storm surge, SAROPS, etc.

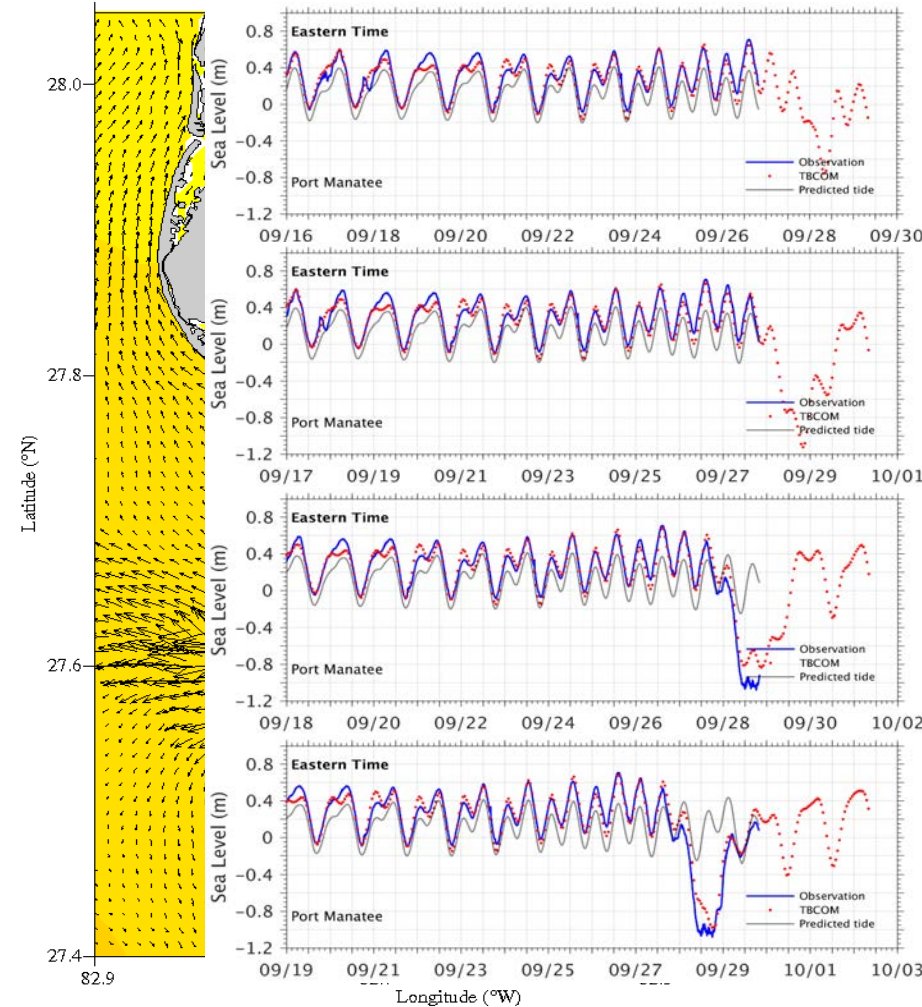
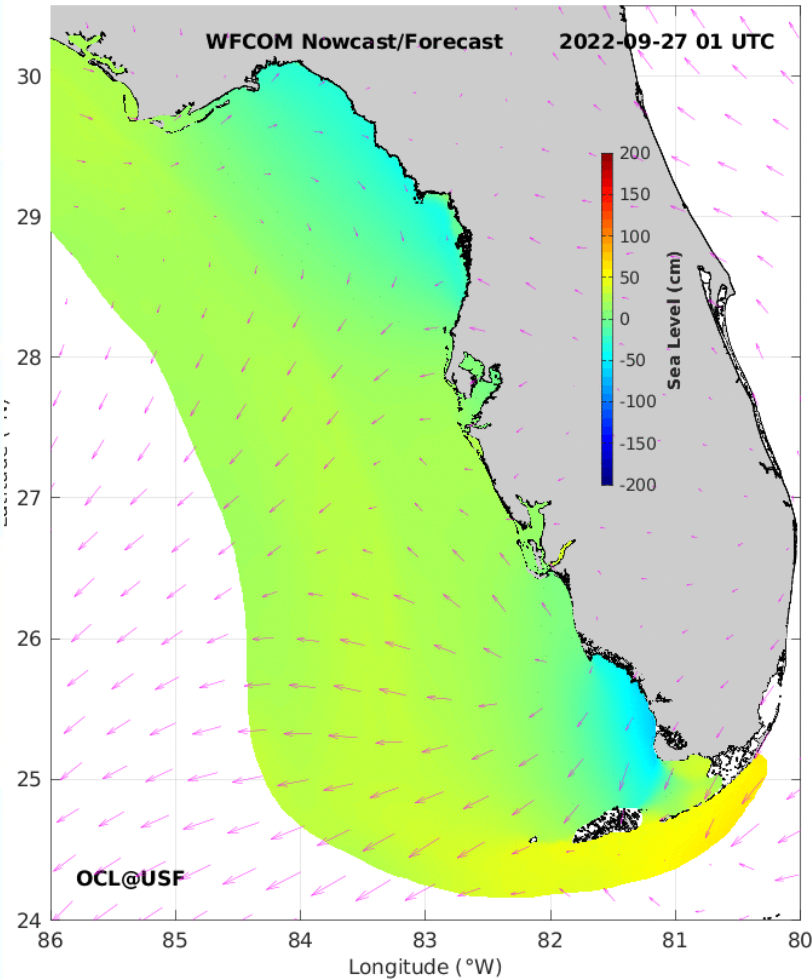
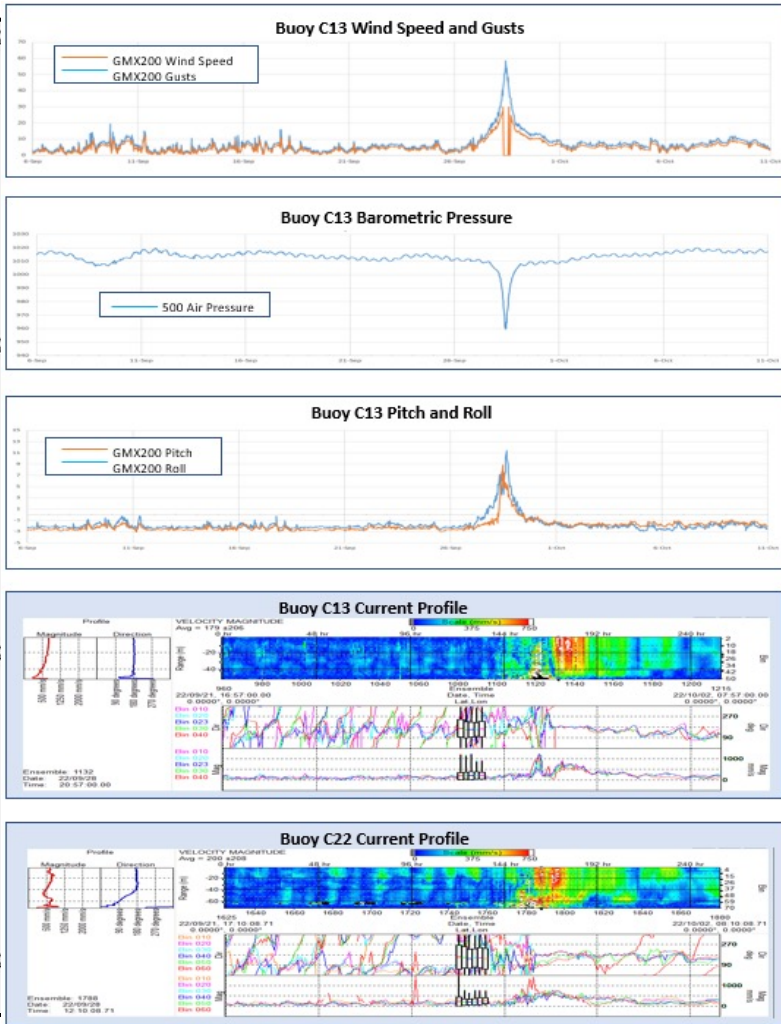
## Moorings



## Automated Nowcast/Forecast Systems



# Accomplishments



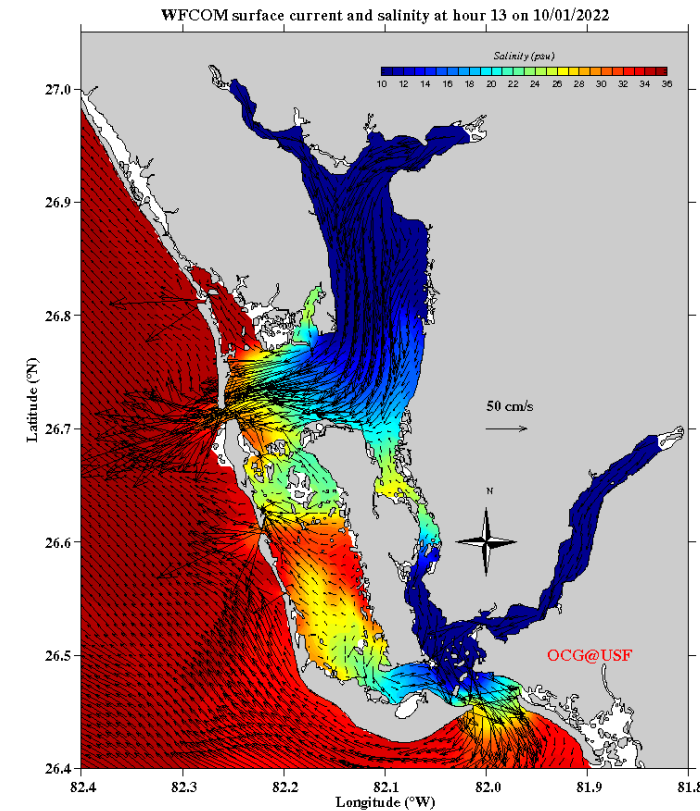
# Challenges Looking Ahead

## Plans for next year

- Hurricane Ian hindcasts & multidisciplinary studies
- Expand upon inundation studies with regard to SL rise and unaccounted for natural variability
- Develop a coupled physical-biological model of red tide based on WFCOM

## Challenges

- Human capital: required are highly skilled, dedicated scientists who are in short supply and difficult to recruit and to retain, given funding levels and uncertainty.
- Sustaining long-term observations, as required for assessing inter-annually varying natural processes.



NASA Ocean Color 10/01/2022  
(Chuanmin Hu)