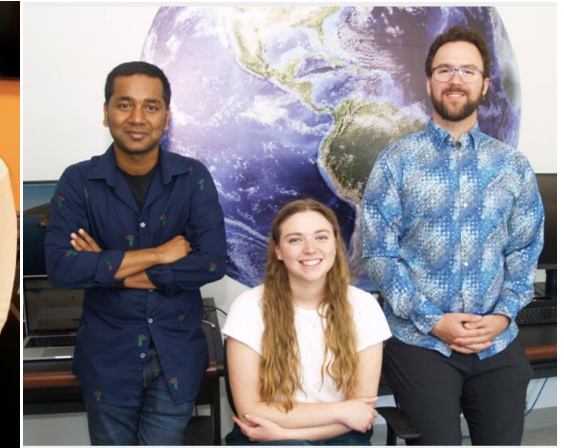
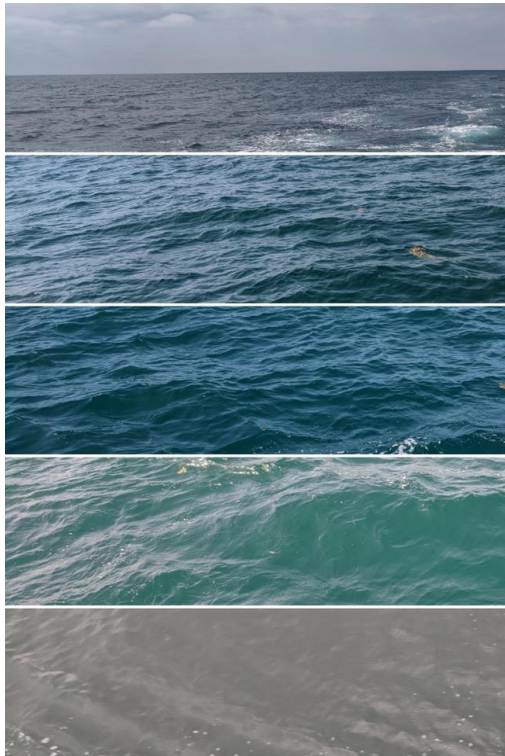


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(l-r) Masud-Ul-Alam, Mallie Hunt, Ben Lowin

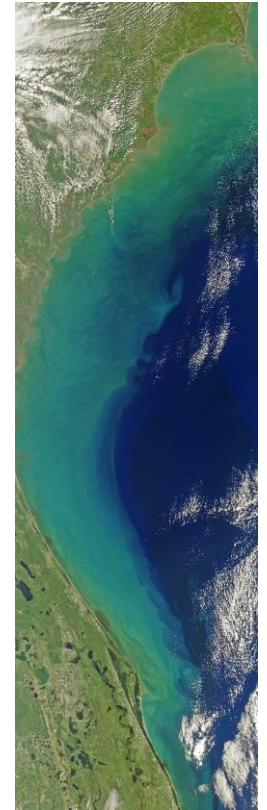


Ocean Optics

## Interests

- HABs
- Phytoplankton blooms
- Water quality
- Primary Productivity
- Alternative light harvesting: Proteorhodopsin
- Internal waves
- Subpixel variability

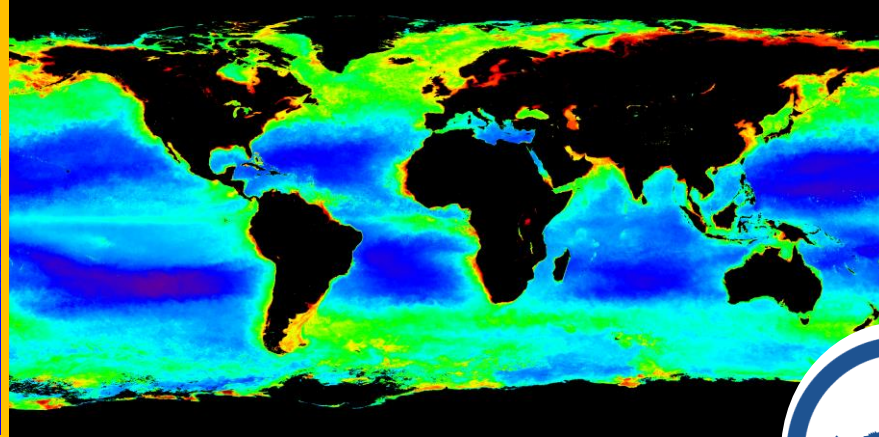
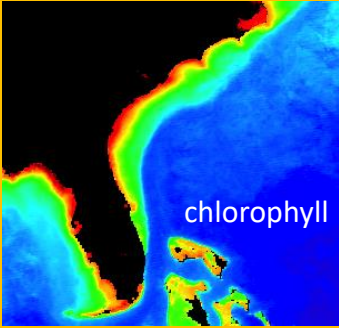
*SeaHawk CubeSat true color image of South Atlantic Bight after Hurricane Ian*



# Ocean Satellite Remote Sensing

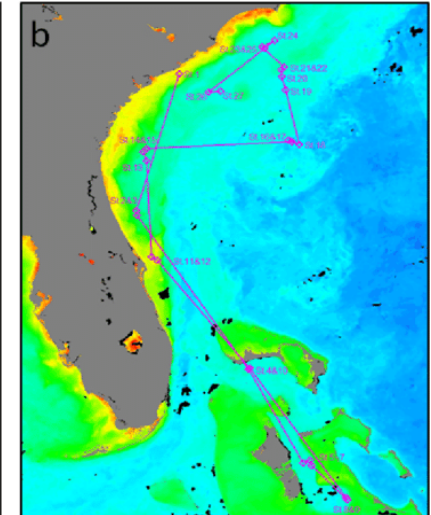
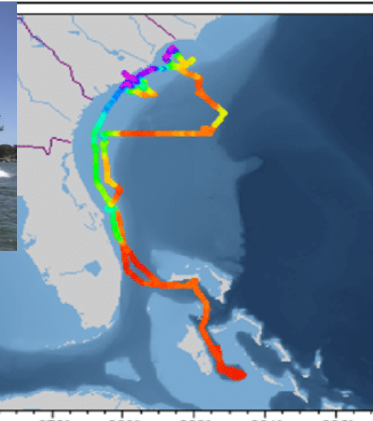
Chlorophyll a  
Turbidity  
Suspended Sediments  
CDOM  
Temperature

Coastal ecology  
Long term trends

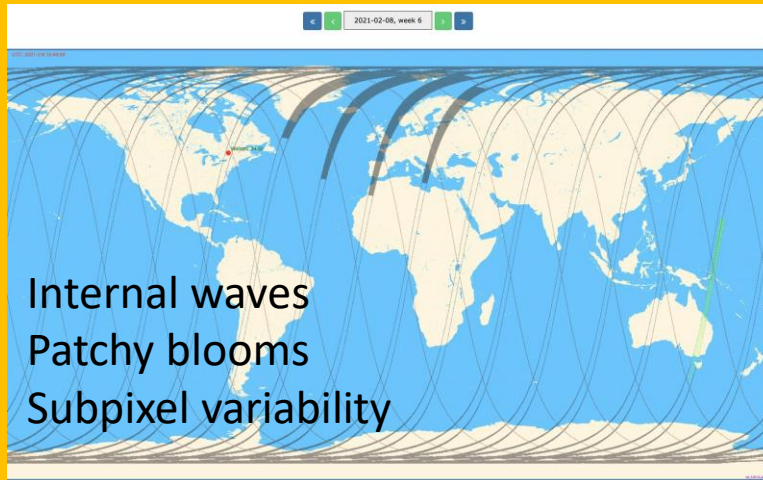


# BiOMe

Flow-through Biogeochemical Optical Measurements



# Seahawk CubeSat operation and validation



# Develop new satellite products

Water quality  
HABs  
*Trichodesmium*  
*Sargassum*

