
OOIFB Summer School Recap

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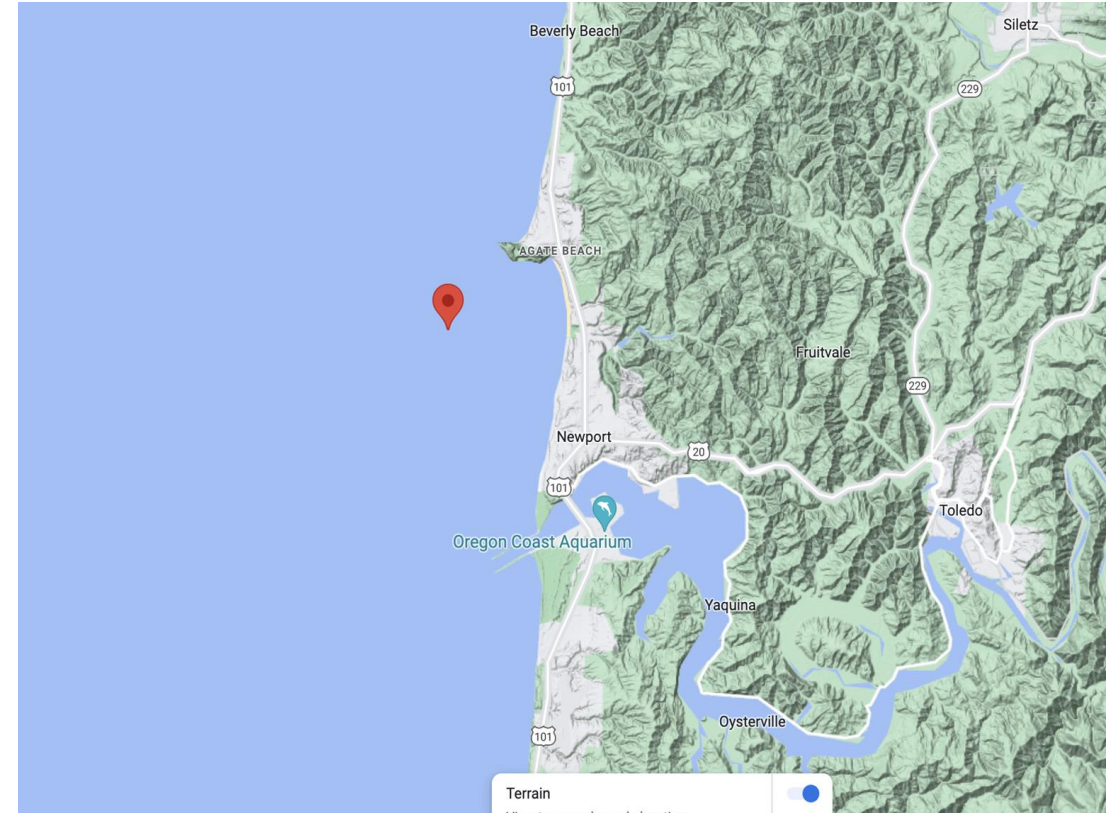
Texas A&M University - College Station Department of Oceanography²

71 Dudley Rd, New Brunswick, NJ 08902¹

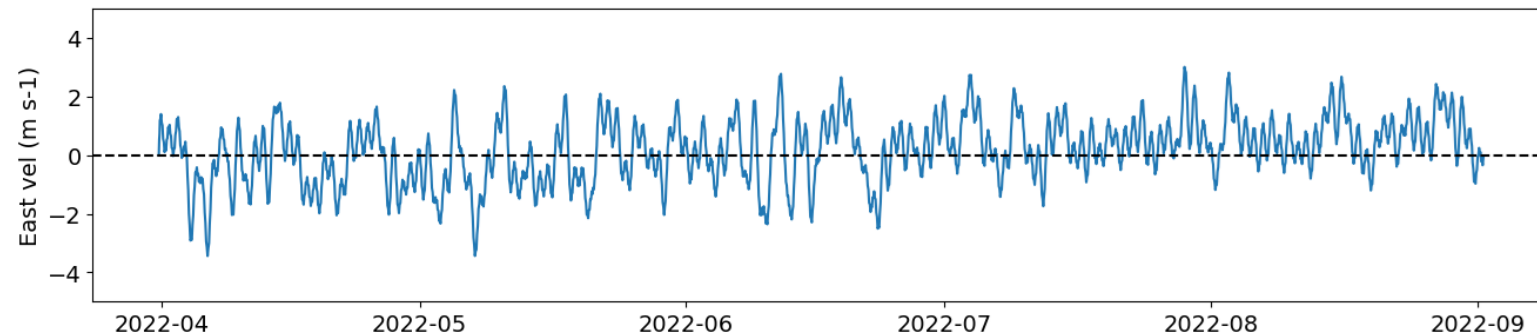
797 Lamar St, College Station, TX 77843²

Investigation: Yaquina River Outflow Influence on Productivity

- Riverine input
 - High concentrations nutrients
 - Higher Colored Dissolved Organic Matter (CDOM)
 - Increase primary productivity
- Data: Oregon Inshore Surface Mooring CE01ISSM
 - Deployment 16

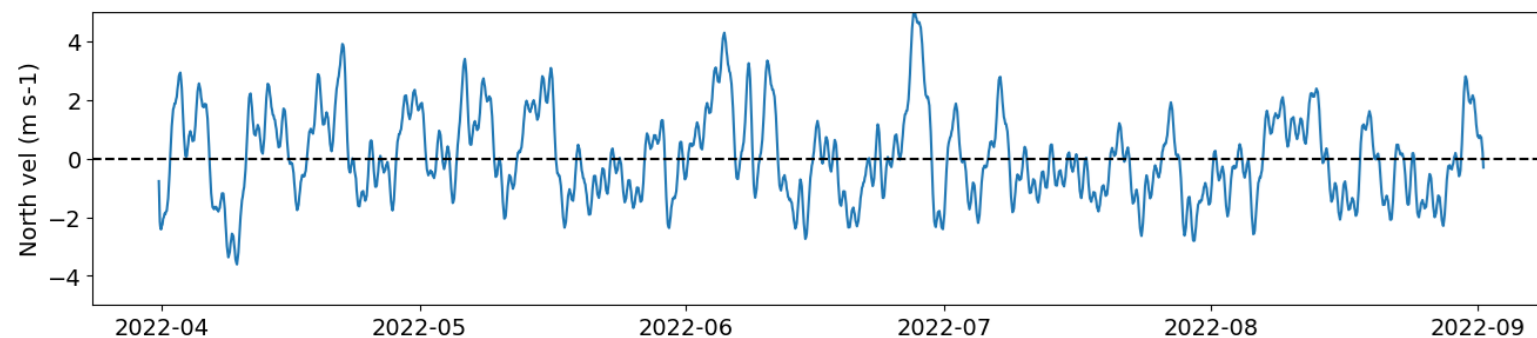


Observation



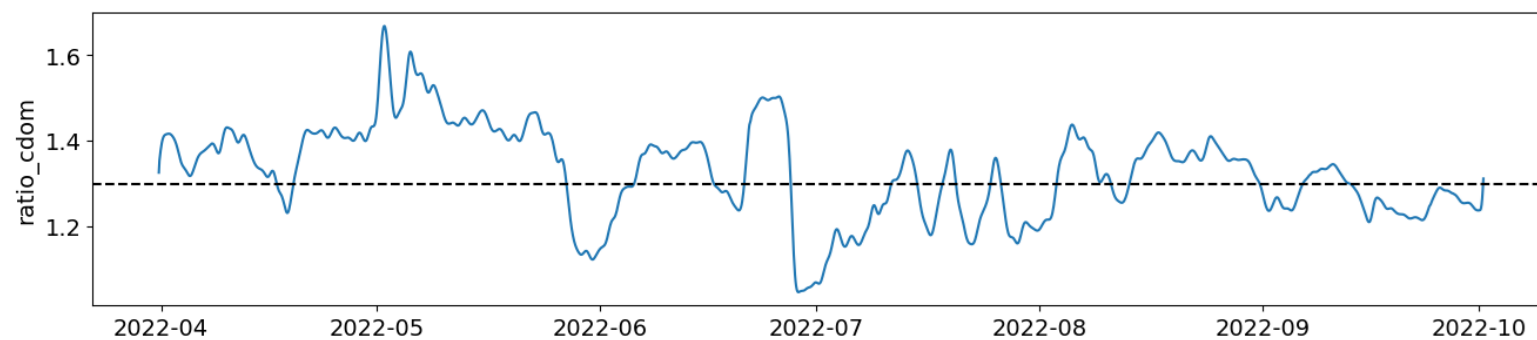
East

West

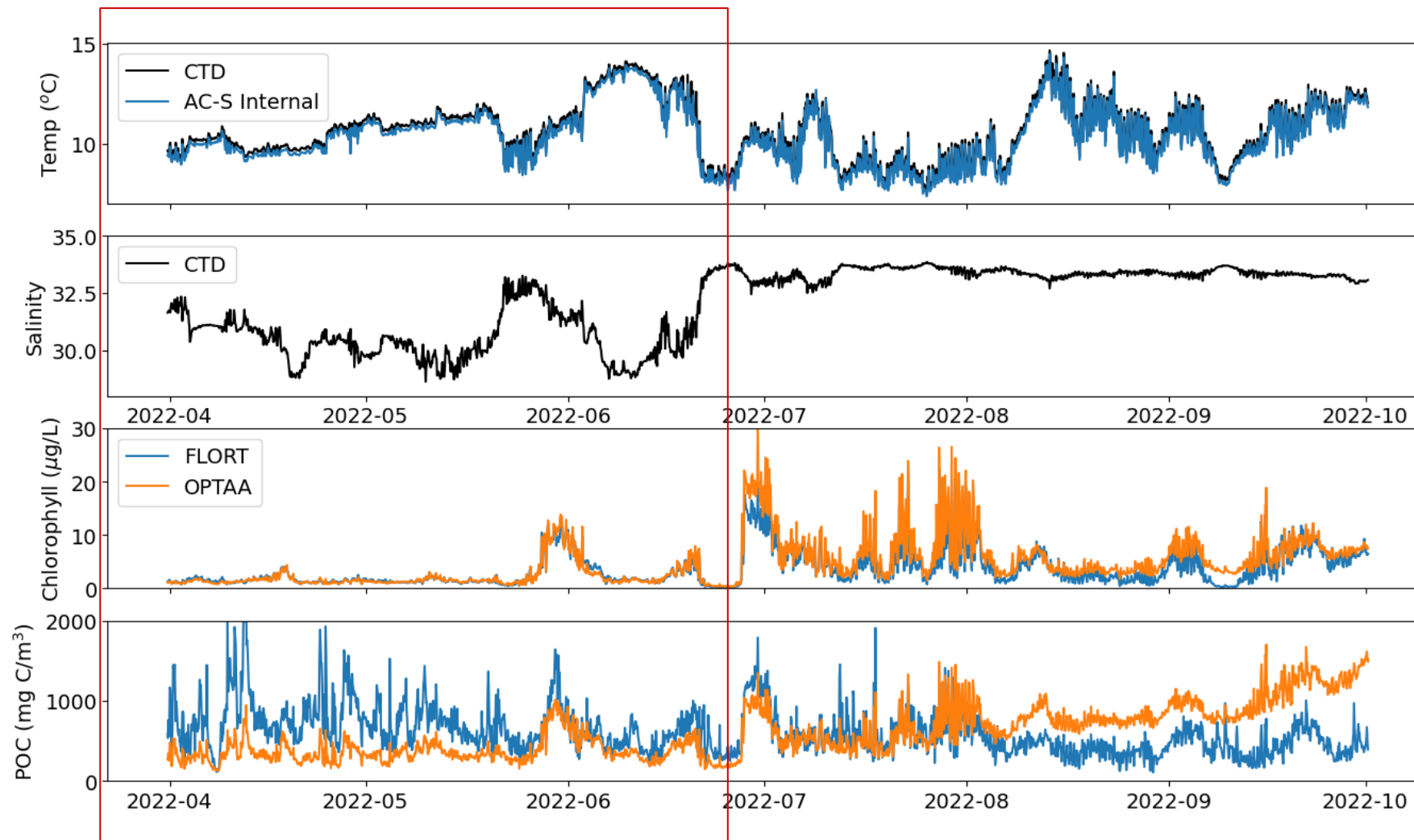


North

South

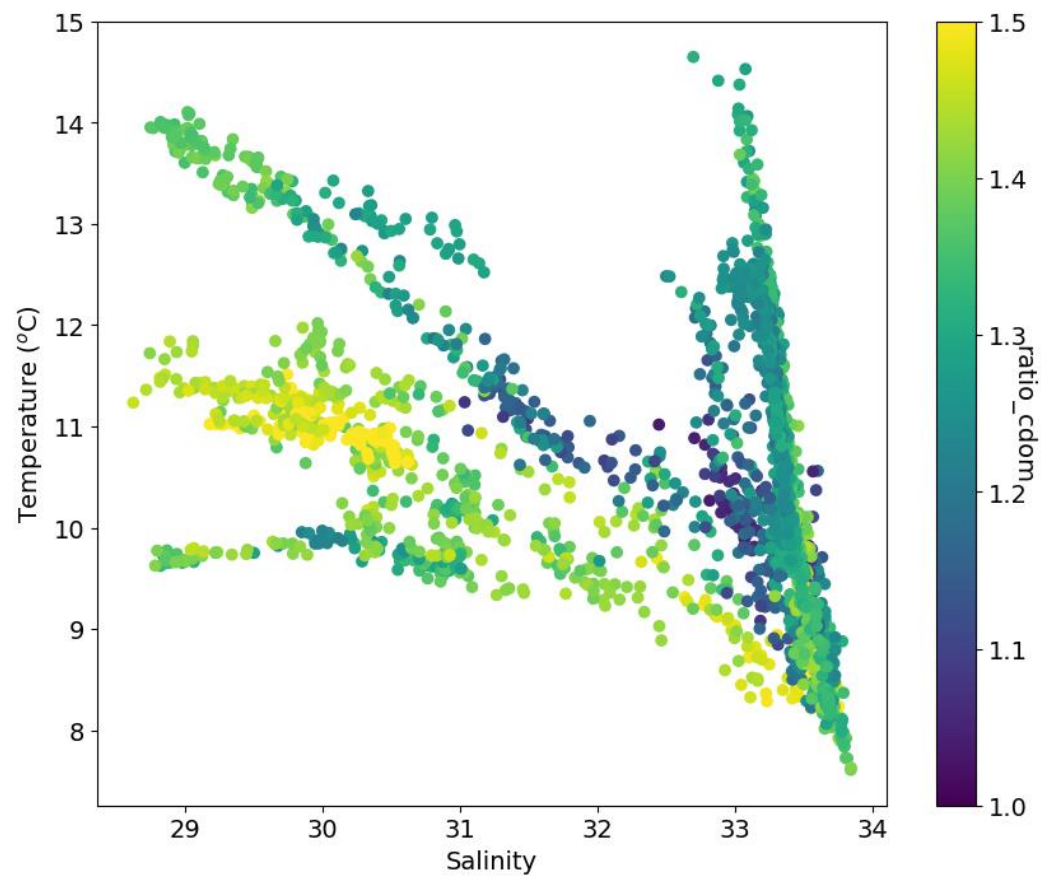


Observation

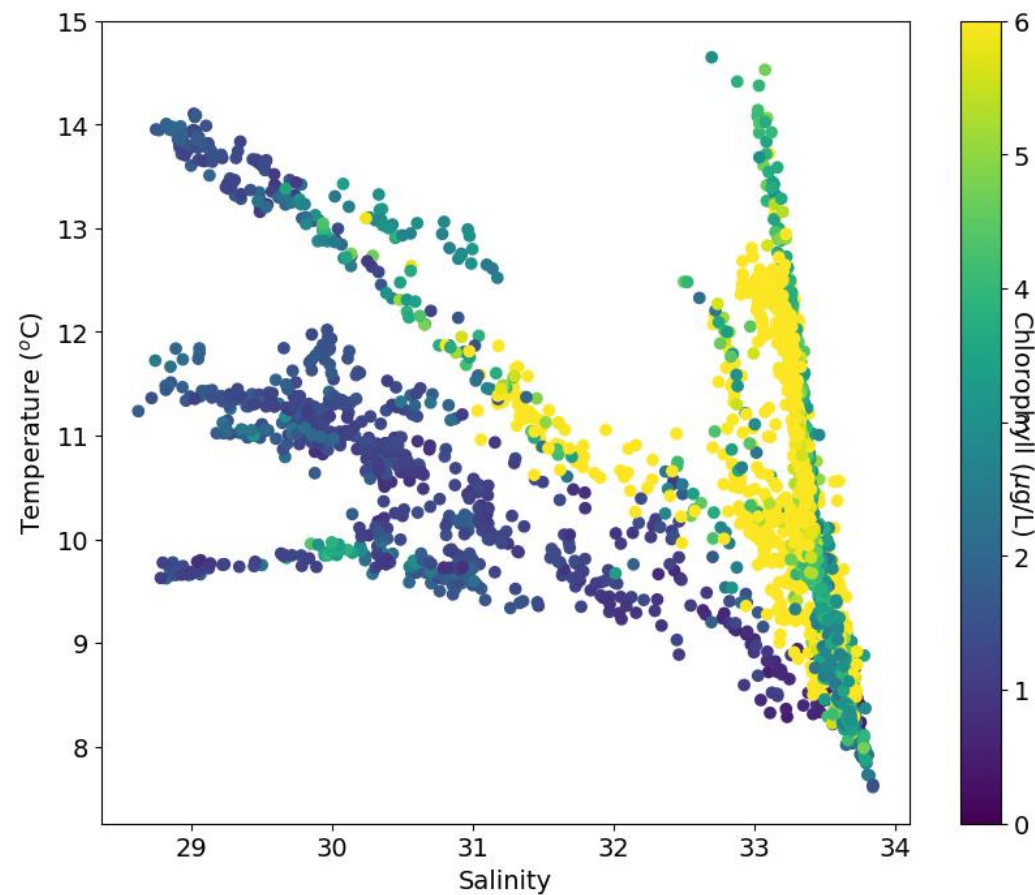


Observation

CDOM Ratio



Chlorophyll Concentration



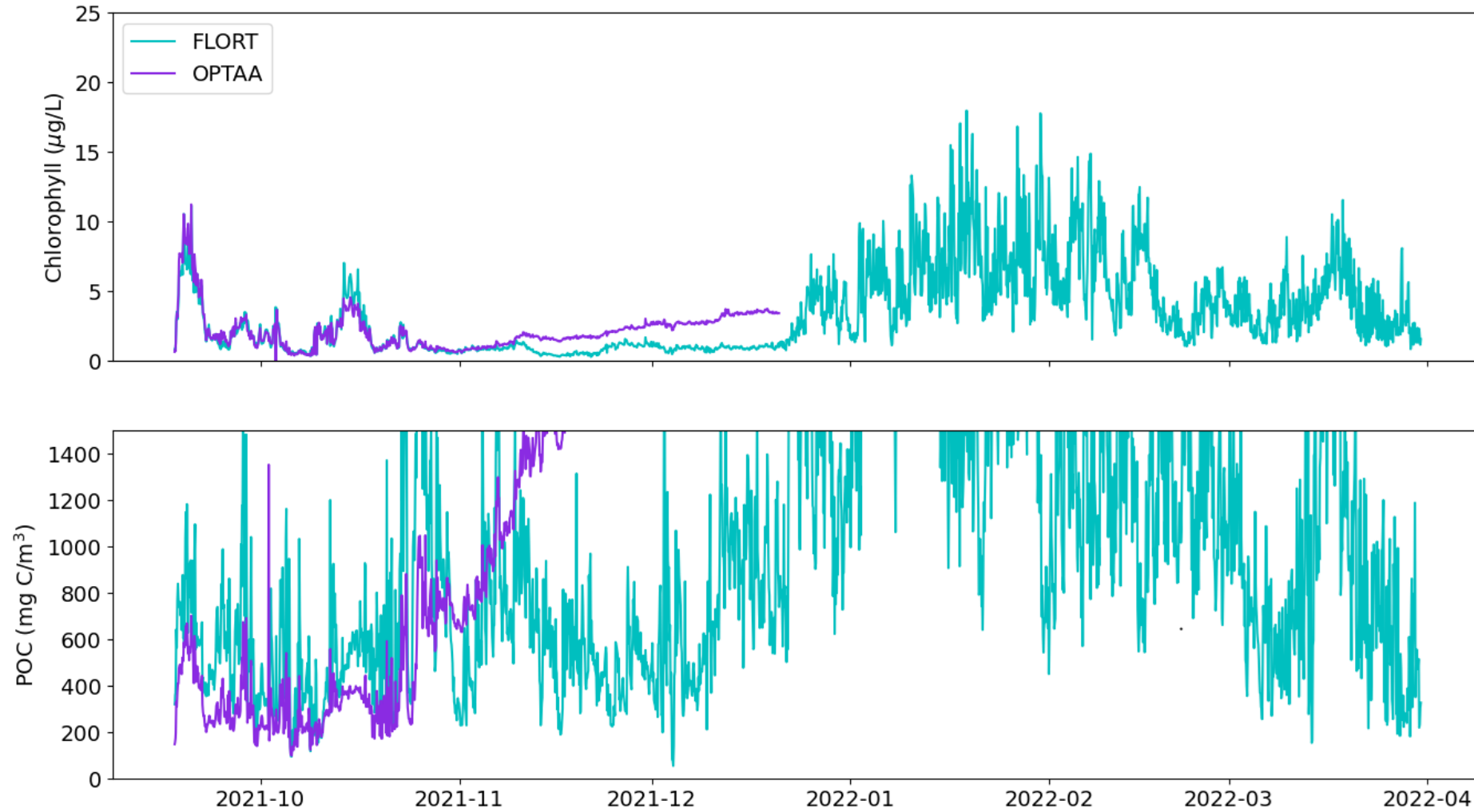
Discussion

- Observation of apparent Summer bloom
 - Observation suggest increase CDOM from Riverine input
 - Increased chlorophyll concentration followed by increase CDOM
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What We Learned

- The instrument itself
 - Optical analytics background
 - Accessing the data itself & routing from gold
 - Accessing, Processing, and Interpreting bio-optical properties of seawater based on AC-S data
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- Deployment 15 CE01ISSM - MFD37/RID16



What We Struggled With

- Steep learning curve
- Difficulties in credential setup
 - Navigating Netcdfs
 - Pulling specific instrument data
- Navigating to find useful datasets

Thank you for your time!
