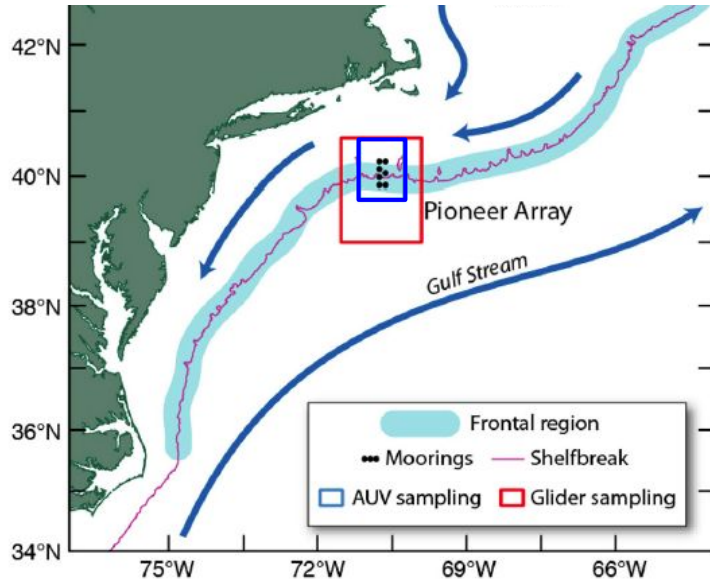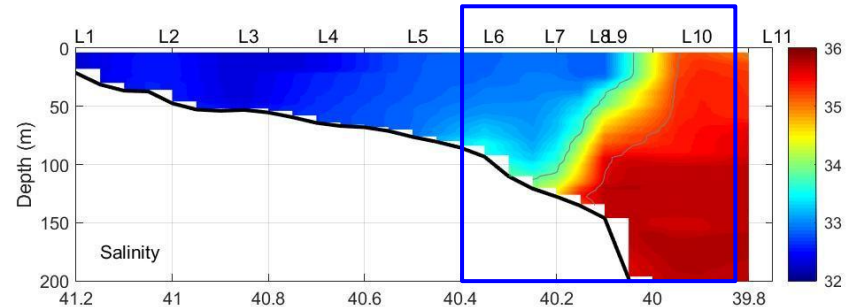# Project 1: Visualizing an invisible boundary: locating the shelfbreak front in the northern Mid-Atlantic Bight

Schematic diagram indicating the shelfbreak front and the location of the OOI Pioneer Array (Gawarkiewicz and Plueddemann, 2019, https://doi.org/10.1080/1755876X.2019.1679609)

- OOI Pioneer Array has 4 CTD profilers lined up from north to south (inshore to offshore) to cross the shelfbreak front

- Can we create a Jupyter Notebook that outputs a vertical section like below?

Vertical section created with NES-LTER CTD profile data
Project Mentor: Stace Beaulieu (Information Manager, NES-LTER)
https://github.com/oceanhackweek/ohw20-proj-ooi-profiles-section