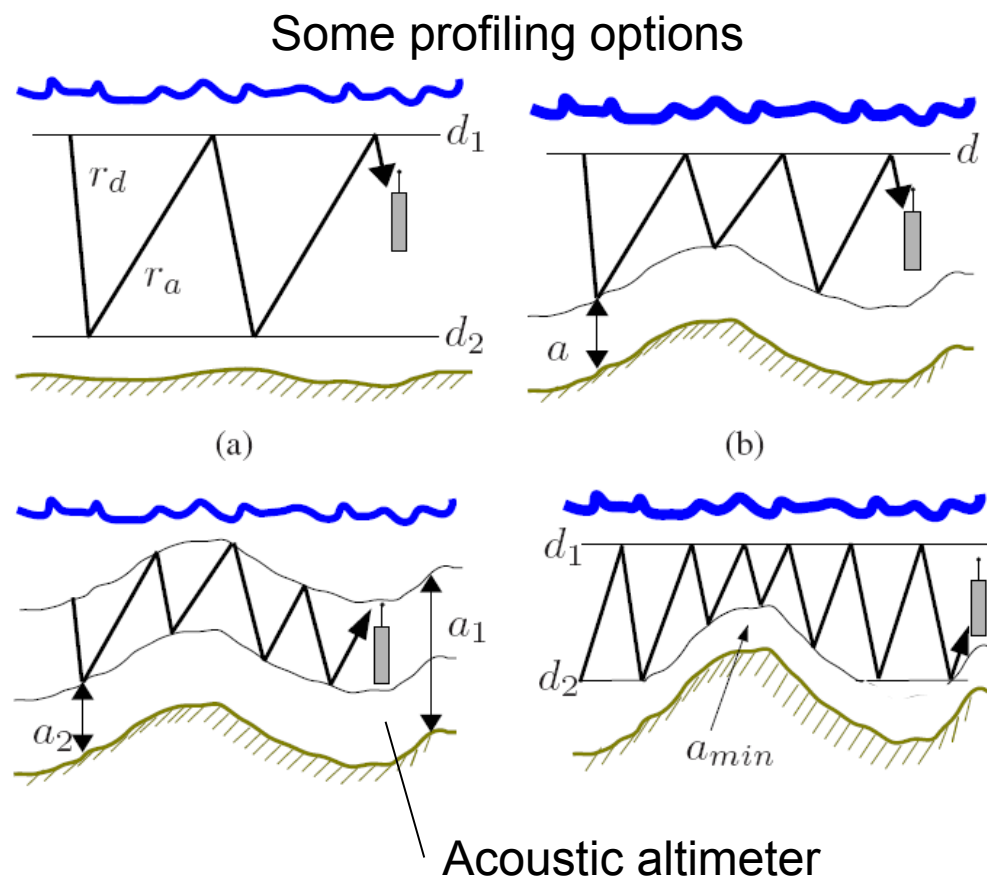
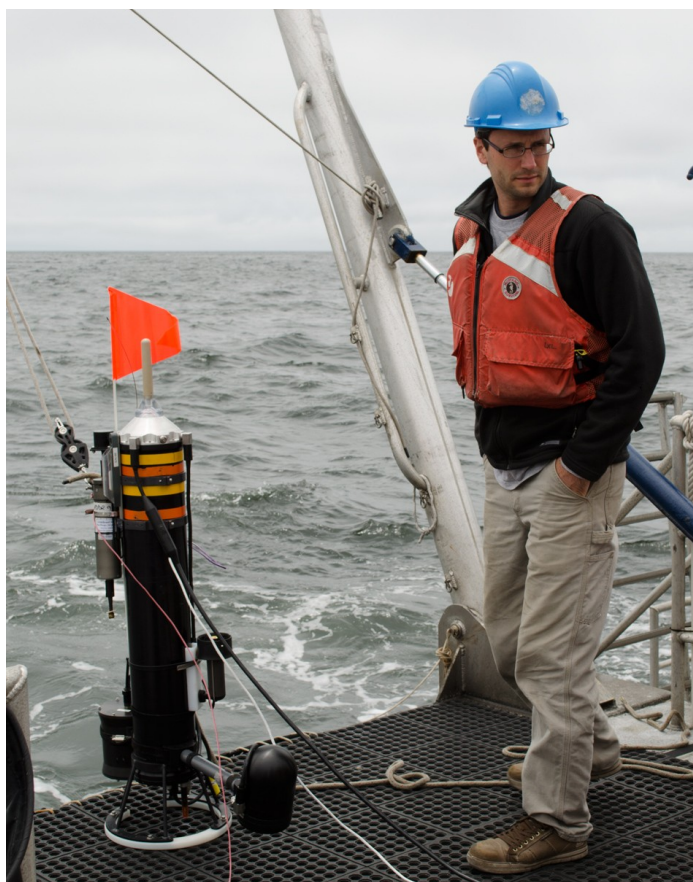


Shallow water Lagrangian float

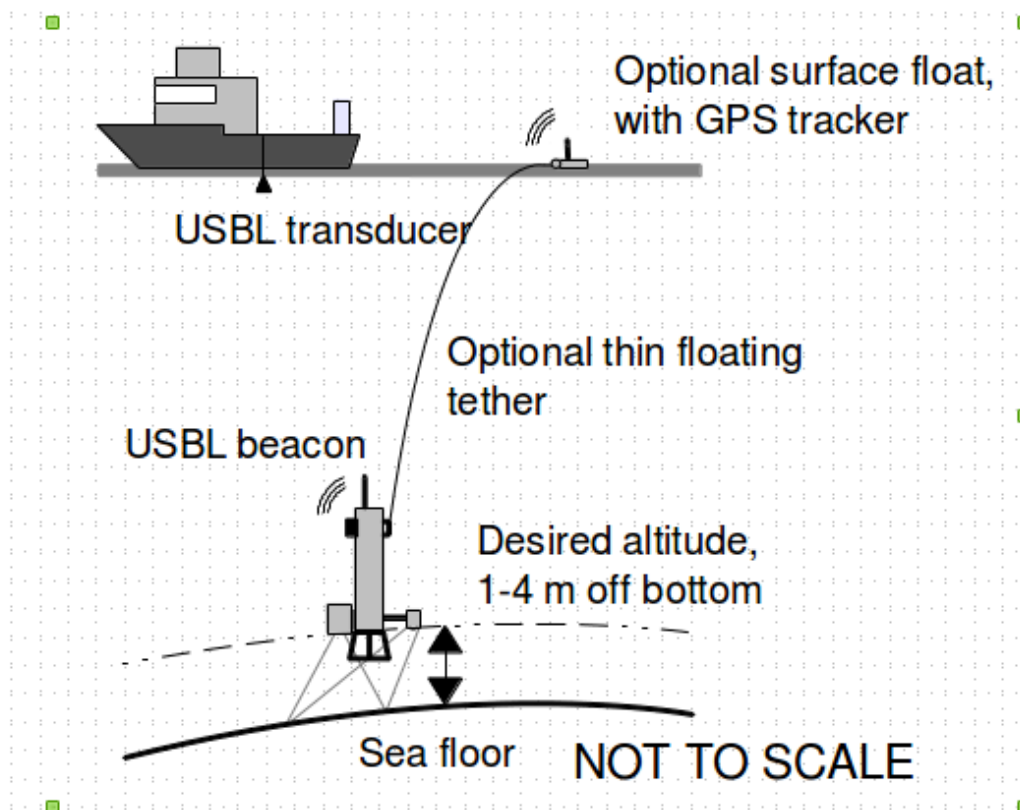
General purpose shallow water Lagrangian float – 100 meter rated

More “active” than open ocean versions, to handle higher coastal variability (currents, density changes, bathymetry)



Lagrangian imaging

- Float drifts and maintains a constant altitude
- Collects images at fixed or variable rate

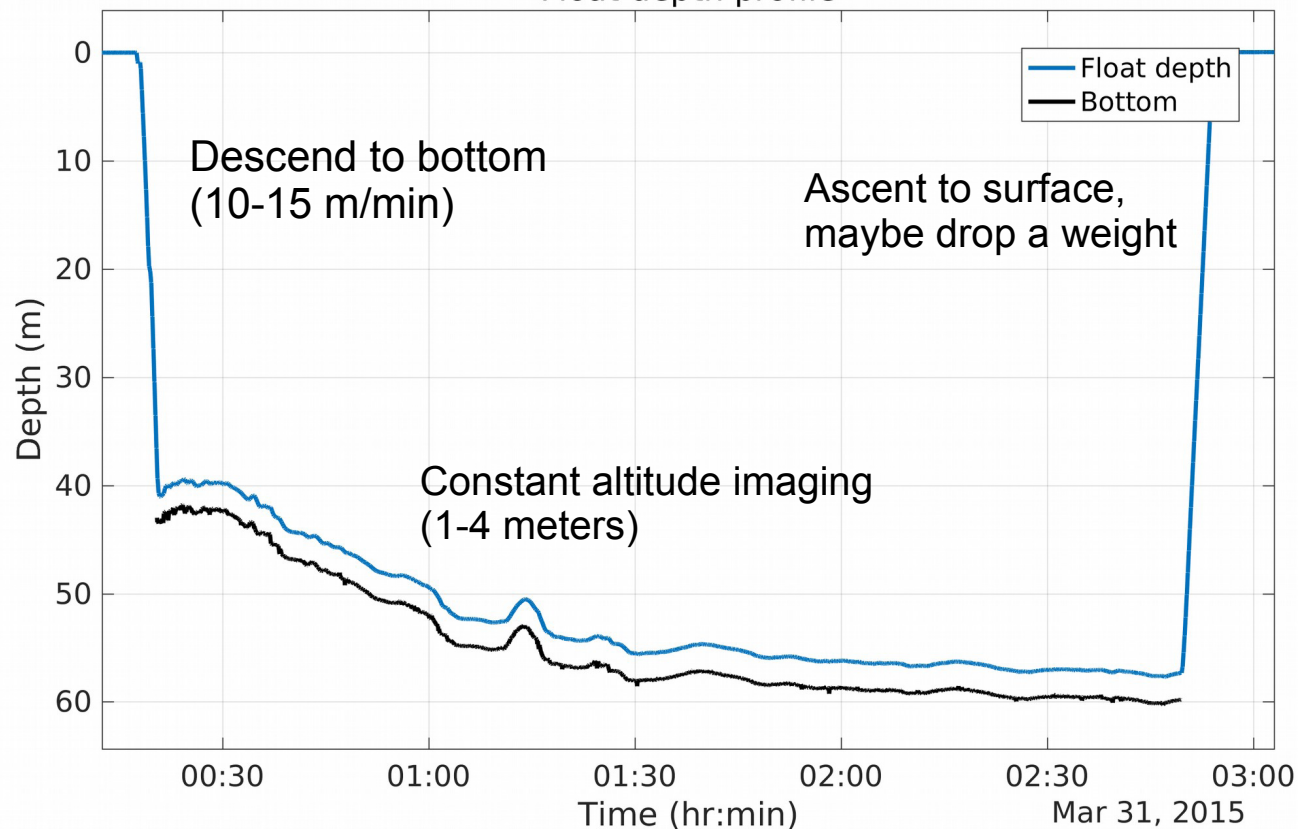


Sample float dive

Motivation: minimum complexity low cost system that has good altitude control and lighting, for nice images

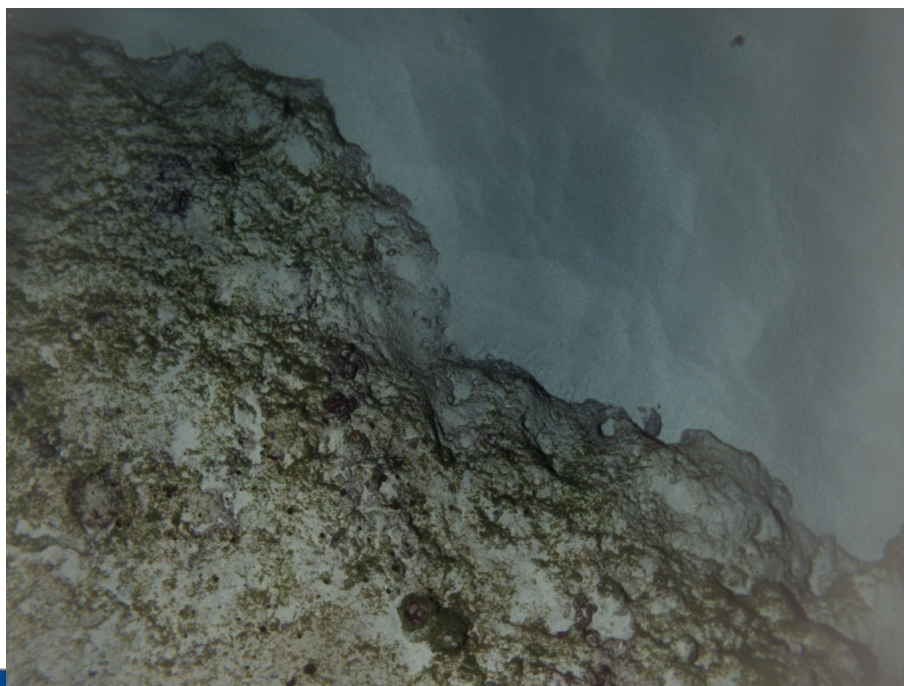
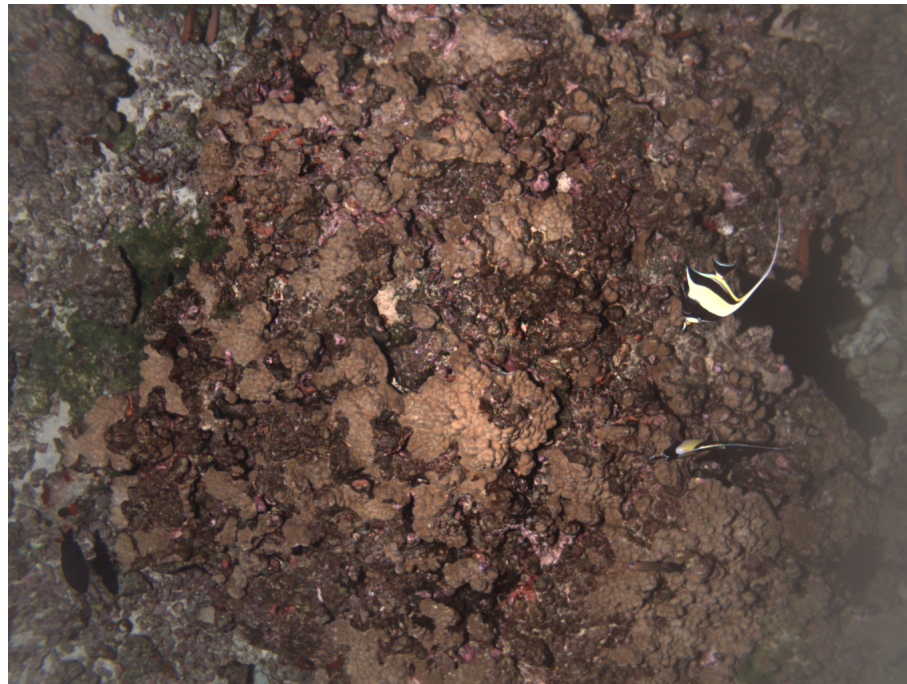
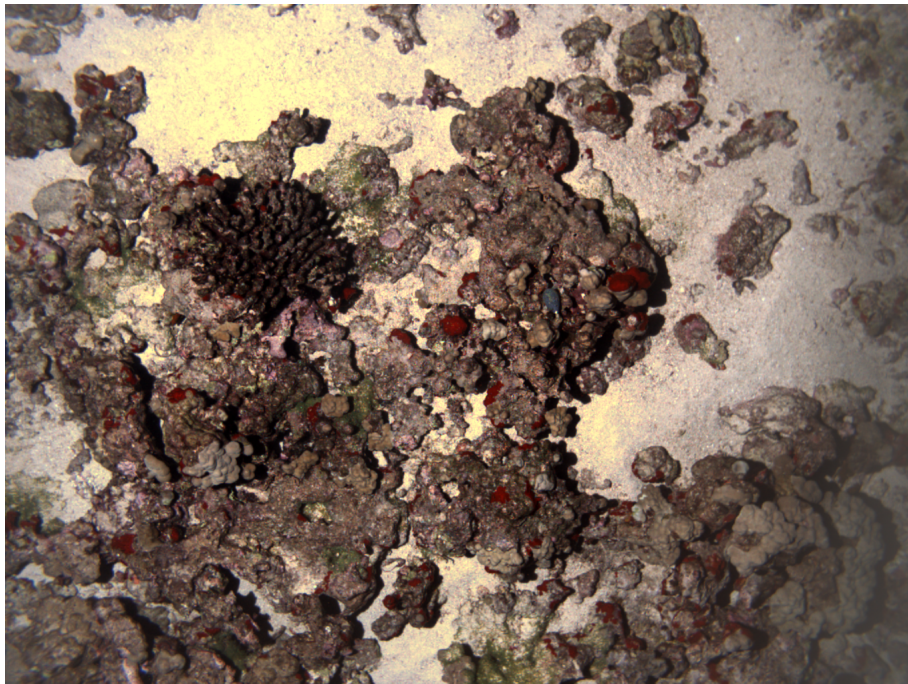


Float depth profile



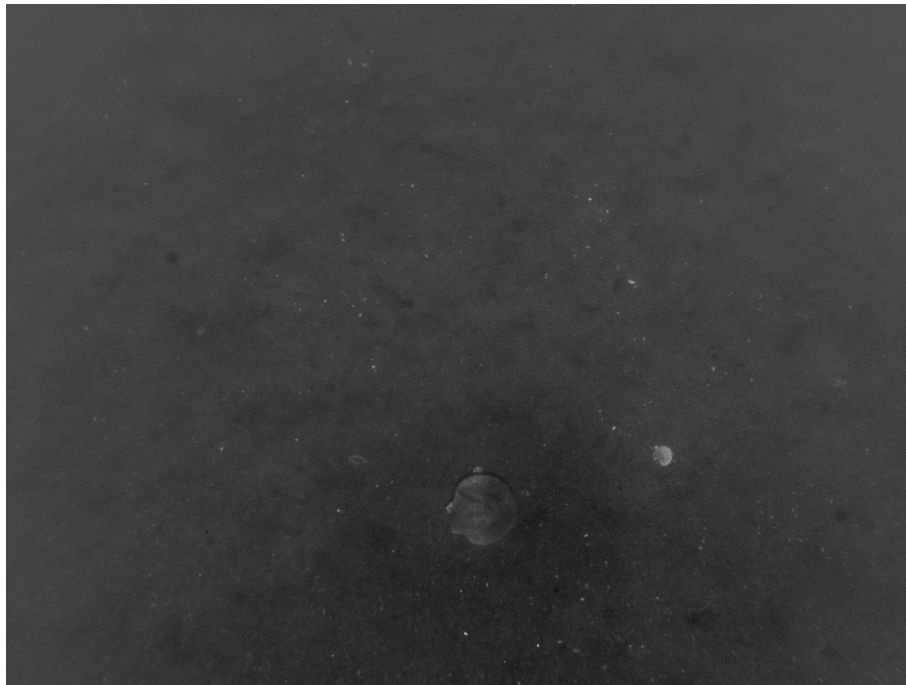


Sample images



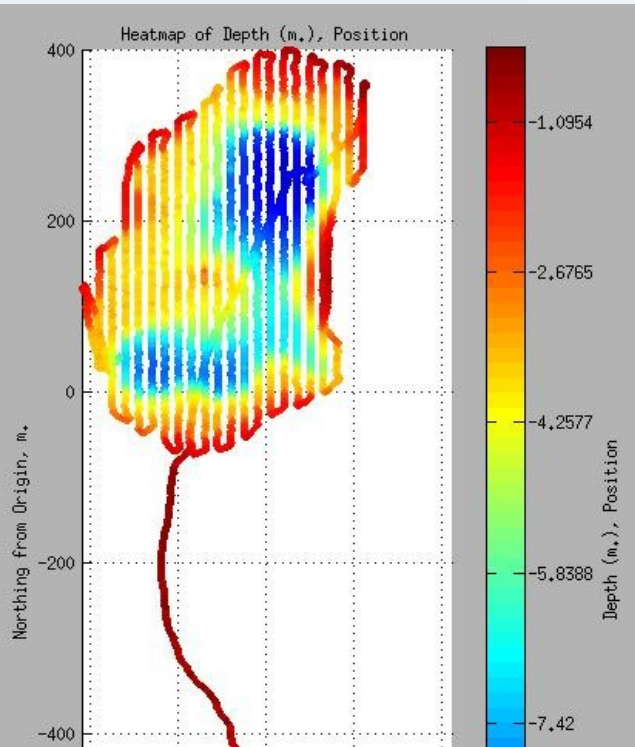
Scallop habitat assessment

Working off
commercial
scallop boat



Autonomous Surface Vessel (ASV)

Simple autonomous system for teaching and research. Sensors include T, S, Chl, pH, O₂, nitrate, turbidity and side scan sonar. Currently incorporating a winch and water sampler.



Maptracker user interface

