

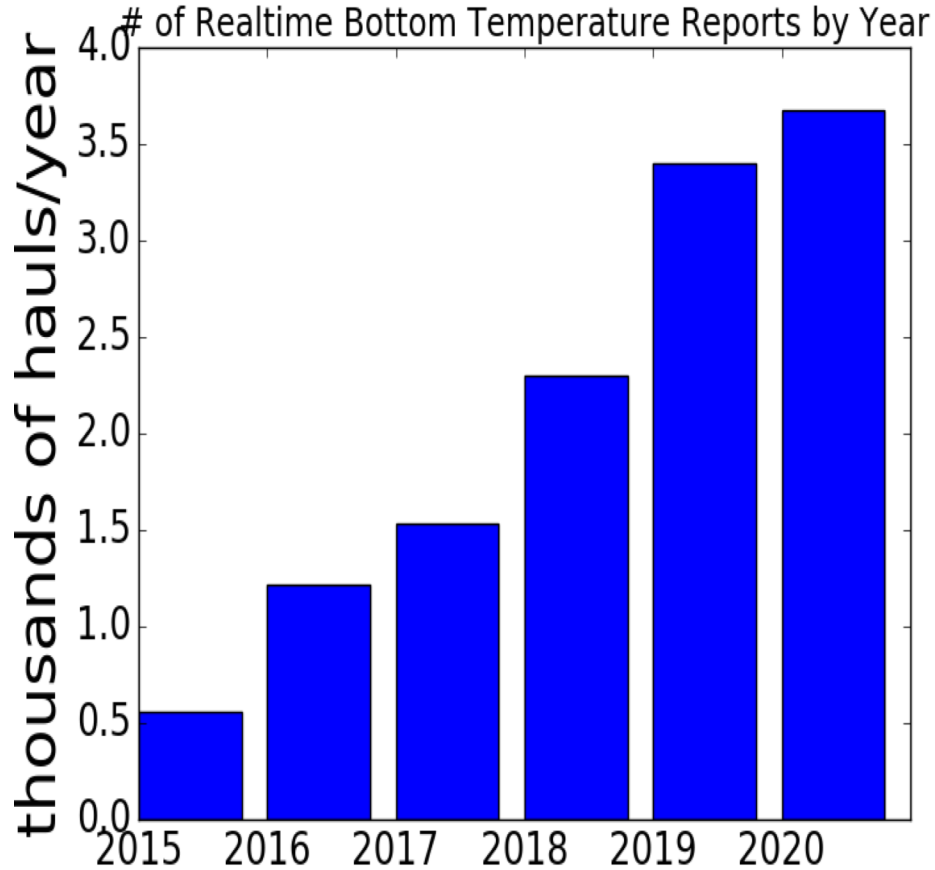
# eMOLT

Environmental Monitors on Lobster Traps (2001...)

Environmental Monitors of Lagrangian Transport (2004...)

Environmental Monitors on Large Trawlers (2015...)

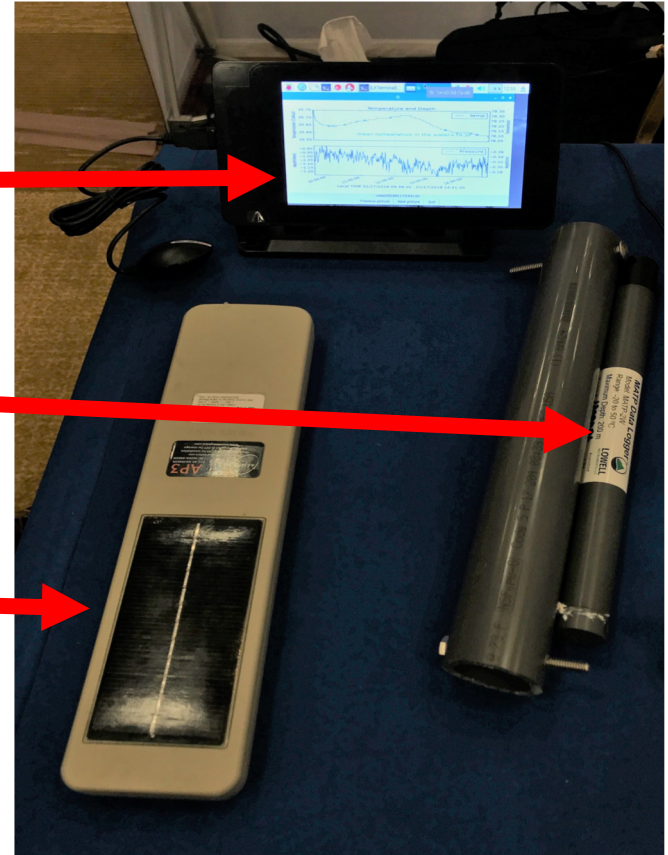
Environmental Monitors of Lots of Things (2021 ???)

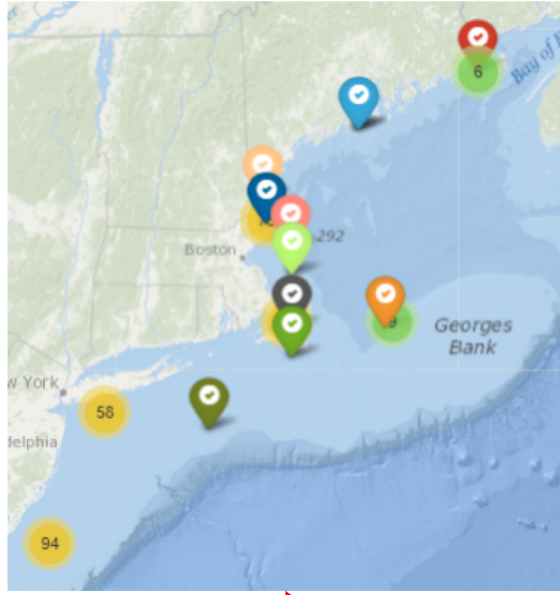


- >10K hauls have reported **realtime** bottom temperature
- data accessible on multiple web portals
- 50+ vessels w/multiple gear types (traps, trawlers, scallopers, longliners, jiggers)

# Automated Hardware

- wheelhouse **RaspberryPi** micro-computer w/7" screen
- **Lowell Instrument** wireless gear-mounted temperature-depth probes
- satellite transmitter topside





**Web-served realtime reports for the last month posted on-line w/model comparisons**

- web served products
- observed bottom temperature compared to three local ocean models and climatology
- assimilated into at least one of the models
- In addition to temperature we have demonstrated:
  - current
  - cameras
  - salinity
  - pressure
  - dissolved oxygen
  - weather
- see **emolt.org**