

# Ice Trackers: low-cost tracking of sea ice in remote environments



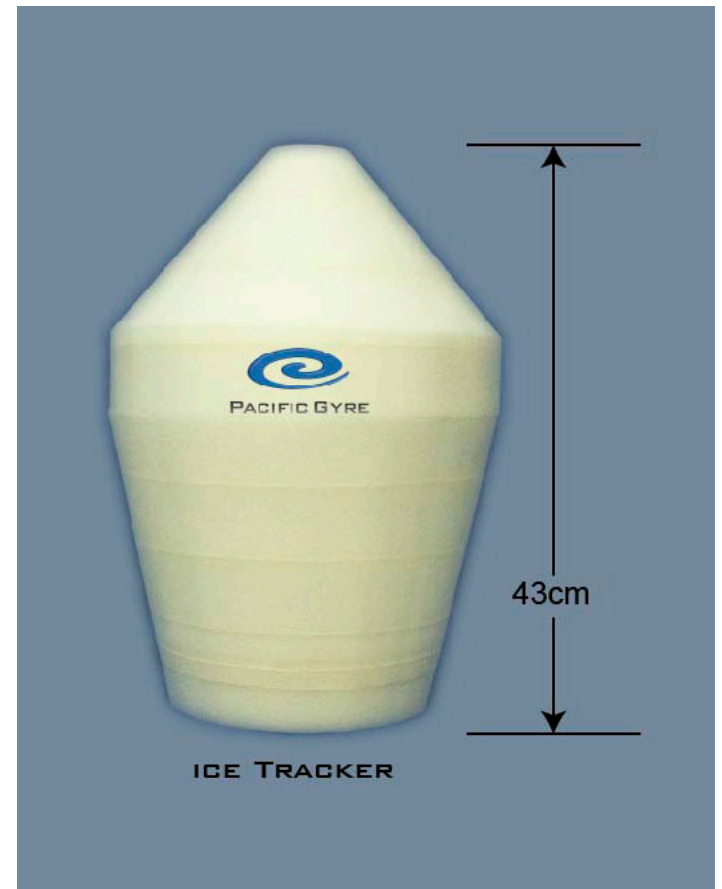
Photo from [www.adn.com](http://www.adn.com)

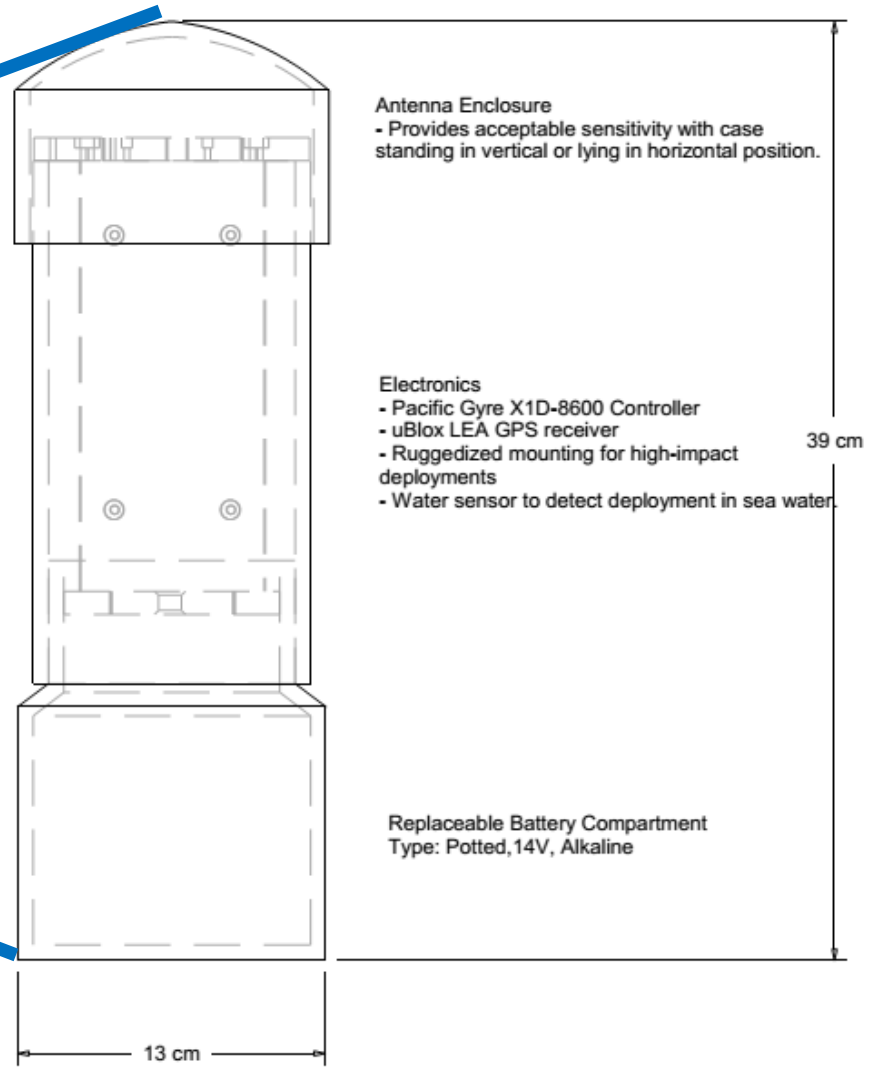
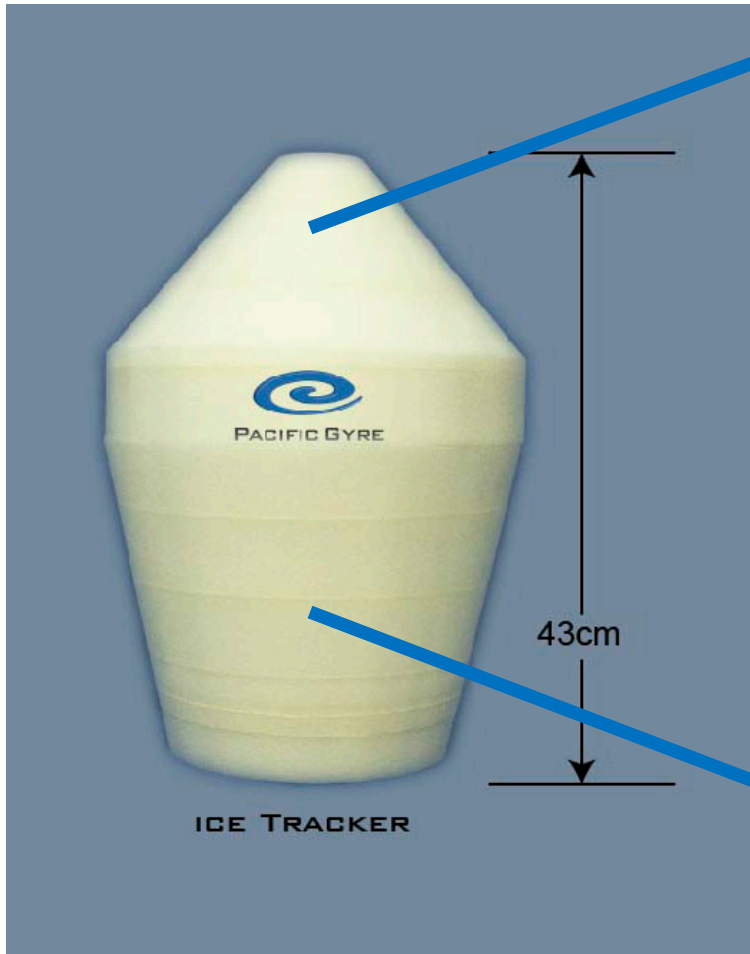
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# Project Objectives

- Iteratively test a new, low cost platform for real time tracking of ice flows
  - GPS receiver and Iridium comms in a rugged, low cost buoyant platform
  - Easily deployed by residents from snow machine
  - Demonstrate survivalability when deployed from helicopter or fixed wing
  - Evaluate suitability for making ice deformation measurements (convergence and divergence)
  - 1/2- to 1/3 the cost of existing IABP buoys

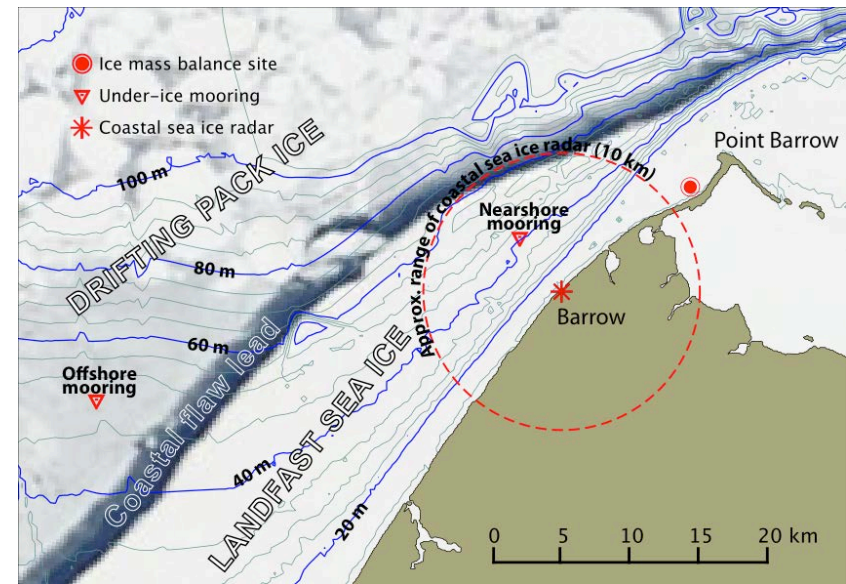






# Deployment Strategy

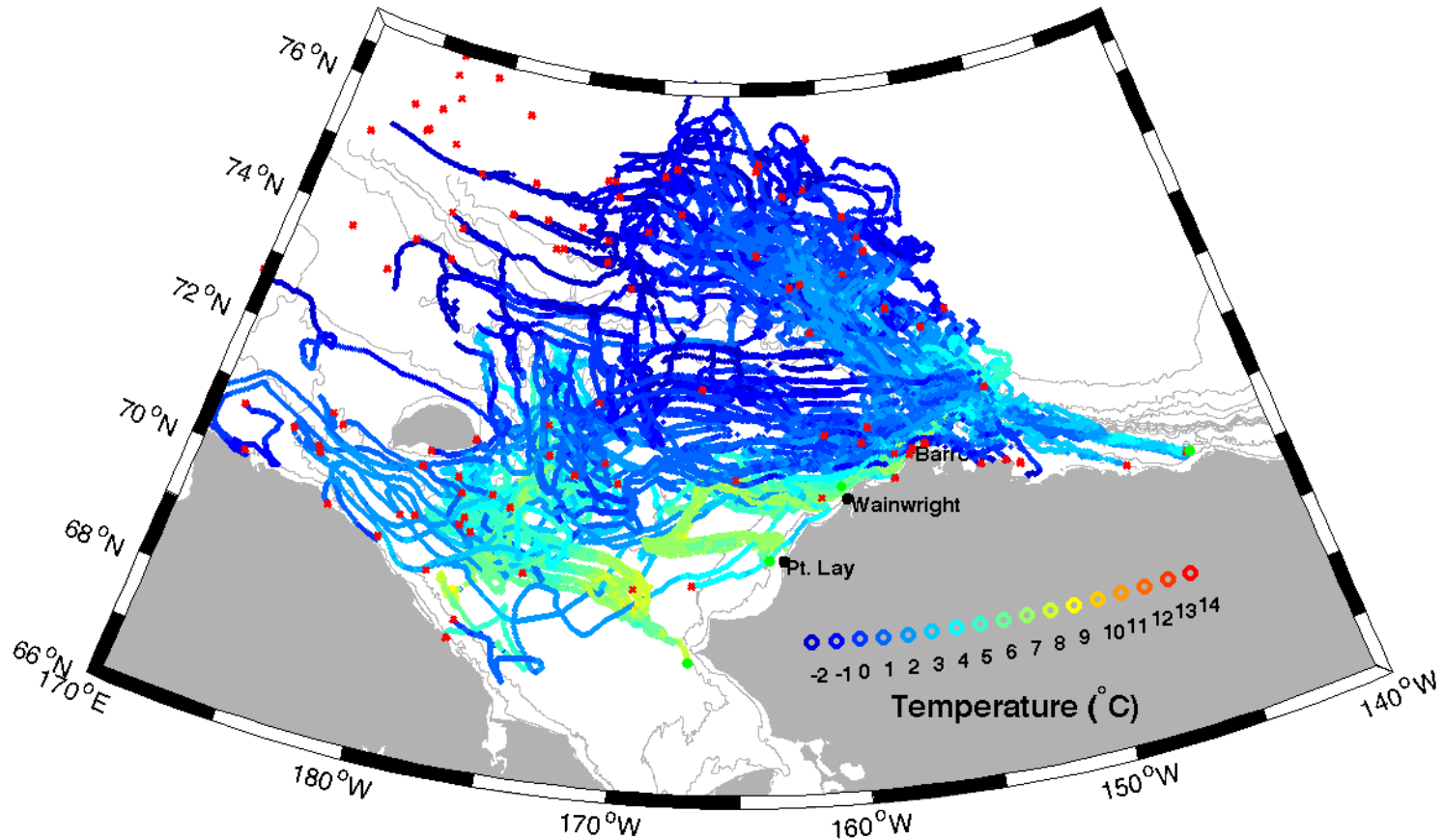
- 5 deployed by snowmachine from Barrow (late Feb. 2015)
- 10 by helicopter (late April 2015) from Barrow
- Final 5: modified based on lessons learned in previous deployments, opportunistically deploy/leverage with other projects



- First set within GI's Barrow ice radar mask
- Second set in drifting pack ice

# Project webpage under construction

2014 Drifters



From: <http://dm.sfos.uaf.edu/chukchi-beaufort/>

Site will allow for

- real time tracking of drifters
- Comparison between drifters and Barrow ice radar

Questions?

