

**PI:** Jingfeng Wu

**Goal:** To understand the importance of melting ice as a source of bioavailable iron

**Sampling:** Ice cores, water column vertical profiles, incubation experiments

**Location:** Ice cores throughout the shelf

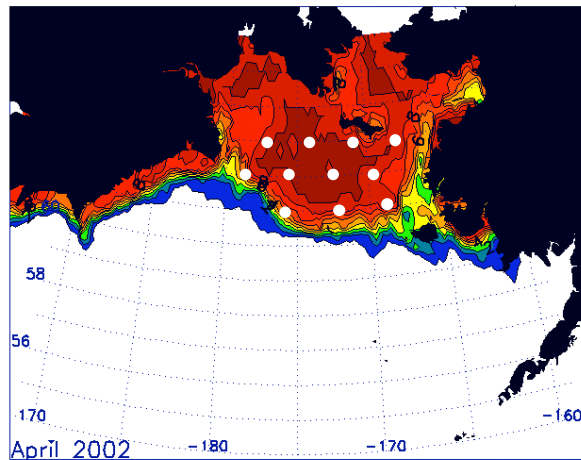
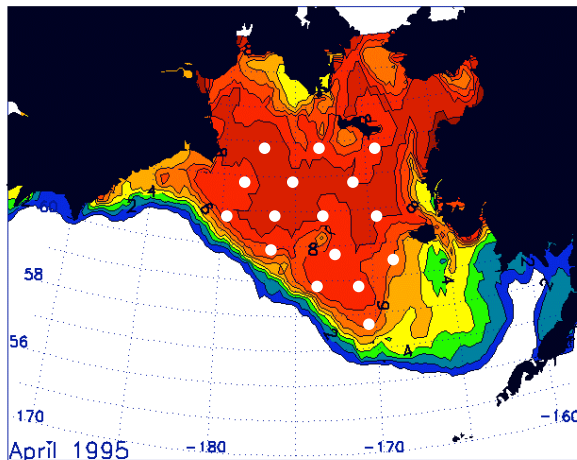
Water samples along three sections at slope, shelf break, and outer shelf

Incubation experiments with surface water from deep basin

**Equipment:** Vane samples on CTD wire, pump, ice corer, ice auger

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## Ice Sampling

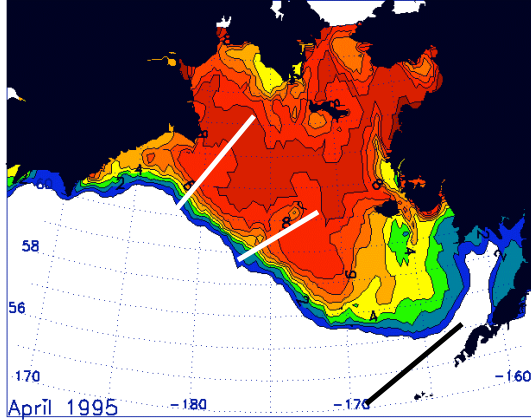


Station locations will depend on ice conditions, aiming for good spatial coverage

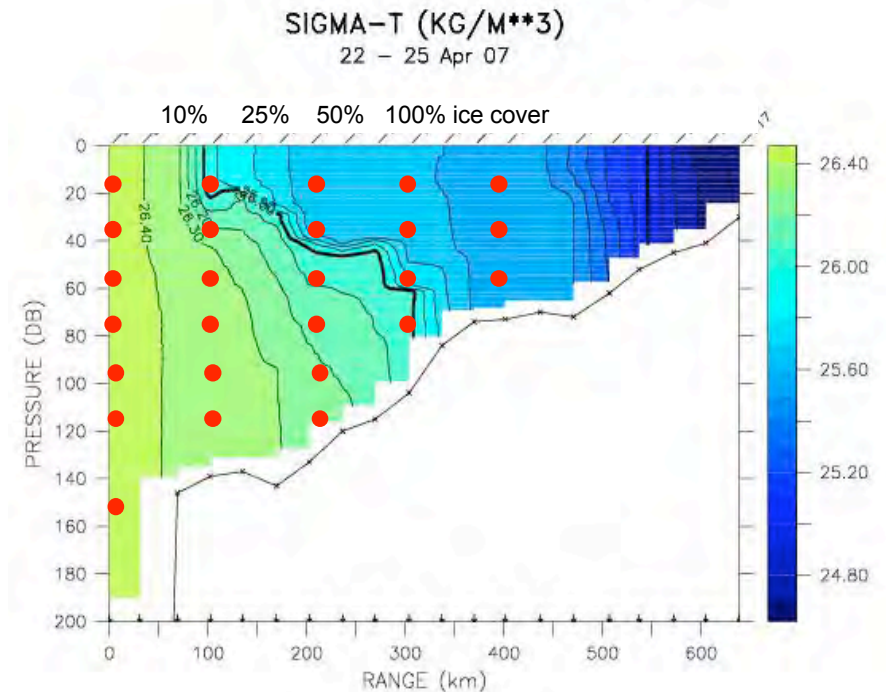
Collection: ice cores, snow samples, and 1-4 water samples under the ice

Time: 1-4 hours per station

# Water Column Sampling



3 sections across shelf break  
(70 m isobath to ~100-200 km over the shelf break).  
Two of the sections include ice edge  
Collection: Vane water sampler  
Time per station: 1 hr on shelf, 3-6 hrs at 1-2 deep stations



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## Incubation Experiments

Two incubation experiments  
Collection: Offshore surface water (A & B) 40 L  
Pumping from zodiac/small boat  
Time: 1-2 hours

