

**Station Name:**

Barrow Strait section

**Type of Station (moored / ship-based) and Location  
(geographic region / latitude and longitude coordinates):**

Ship-based, physics mooring, pCO<sub>2</sub> mooring (under ice), O-18 seasonal sampler  
Barrow Strait (Lat 66.39-37.19N, Long 53.57-61.15W)

**Carbon and biogeochemistry measurements at the station  
(indicate the frequency of observations, the year measurements began, and if they  
are surface / full water column, etc.):**

Once a year since 2003  
TIC, Alkalinity, nutrients, O-18, pCO<sub>2</sub> (since 2008), O-18 seasonal sampler (since 2007)  
Full water column

**Principle Investigators / Contact Points:**

Kumiko Azetsu-Scott (chemistry) BIO  
Simon Prinsenber, Jim Hamilton (physics) BIO

**Affiliation of this station with national, regional, or global research programs and  
process studies:**

Department of Fisheries and Oceans, Canada

**Web-site or links to other information:**

[http://www.mar.dfo-mpo.gc.ca/science/ocean/seaice/archipel\\_e.html](http://www.mar.dfo-mpo.gc.ca/science/ocean/seaice/archipel_e.html)