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Bjerknes Centre  
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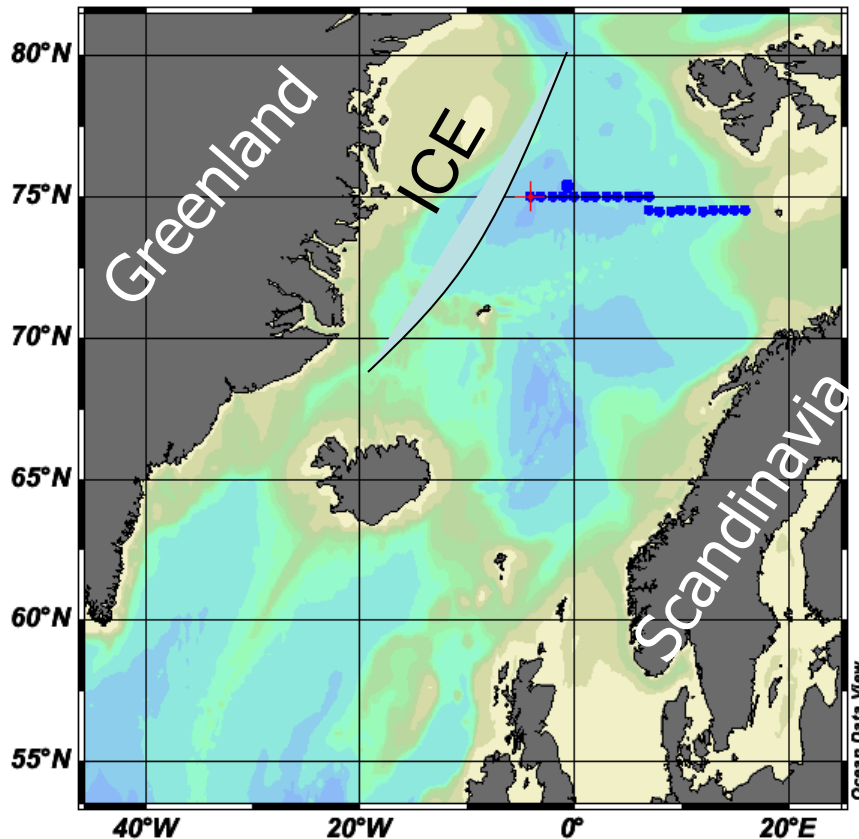


# 75°N, Greenland Sea repeat

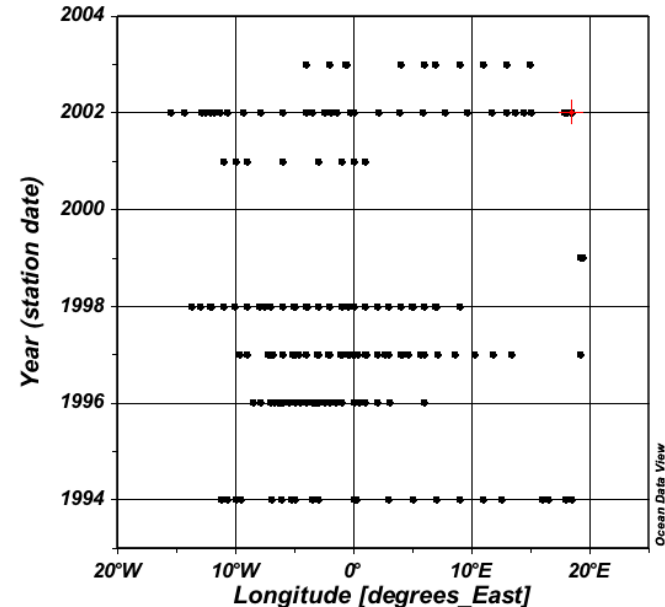
Are Olsen & Truls Johannessen

Bjerknes Centre for Climate Research

# History



- 75N Section has been carried out routinely since early 90's, often as part of larger surveys.
- Western limit depends on ice edge (or ice breaker availability)
- All data until 2003 QC'd and included in CARINA
- Usually T&S, nuts, CFCs, DIC, ALK

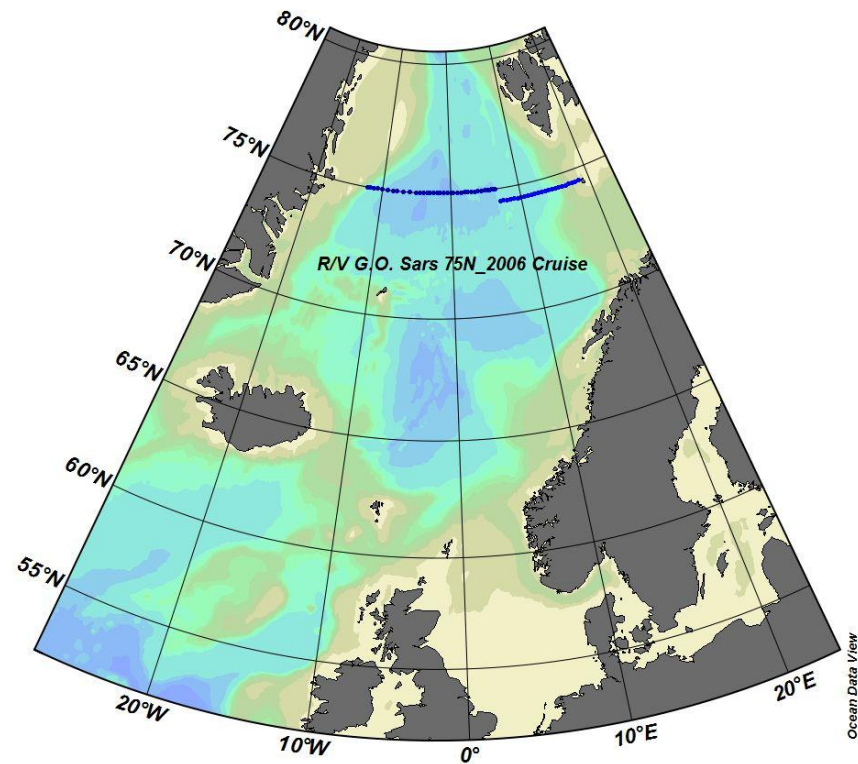


# Most recent

Summer 2006

T&S, CFCs, DIC, Alk, nuts data

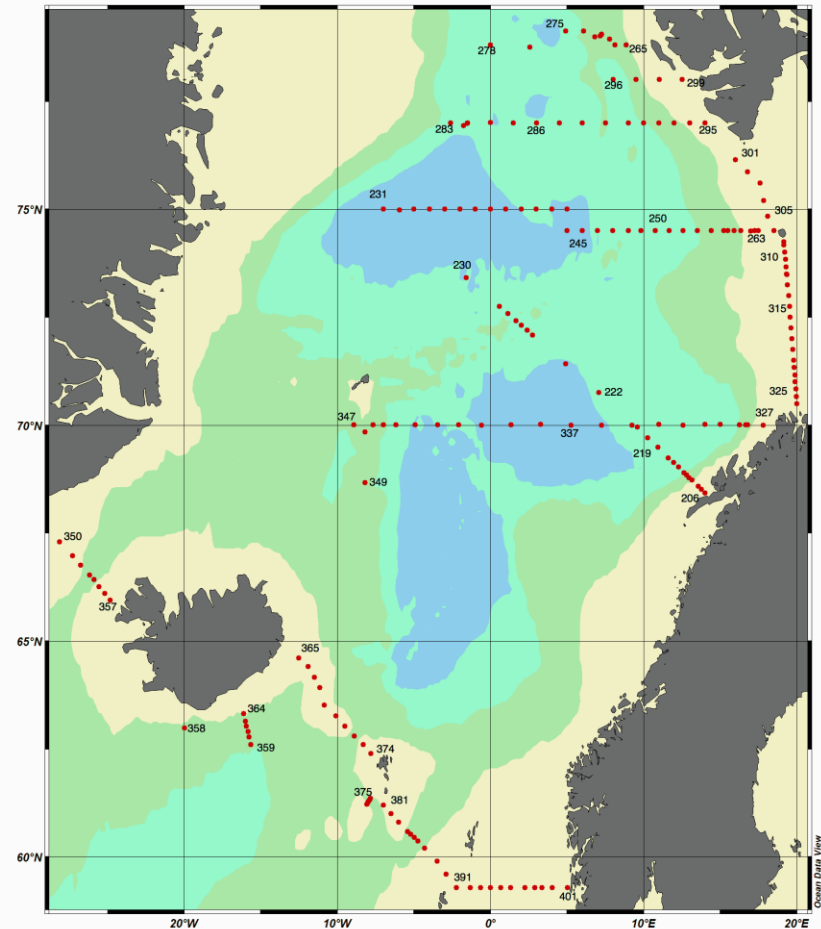
Available through CDIAC and CCHDO



Summer 2009

As part of larger survey

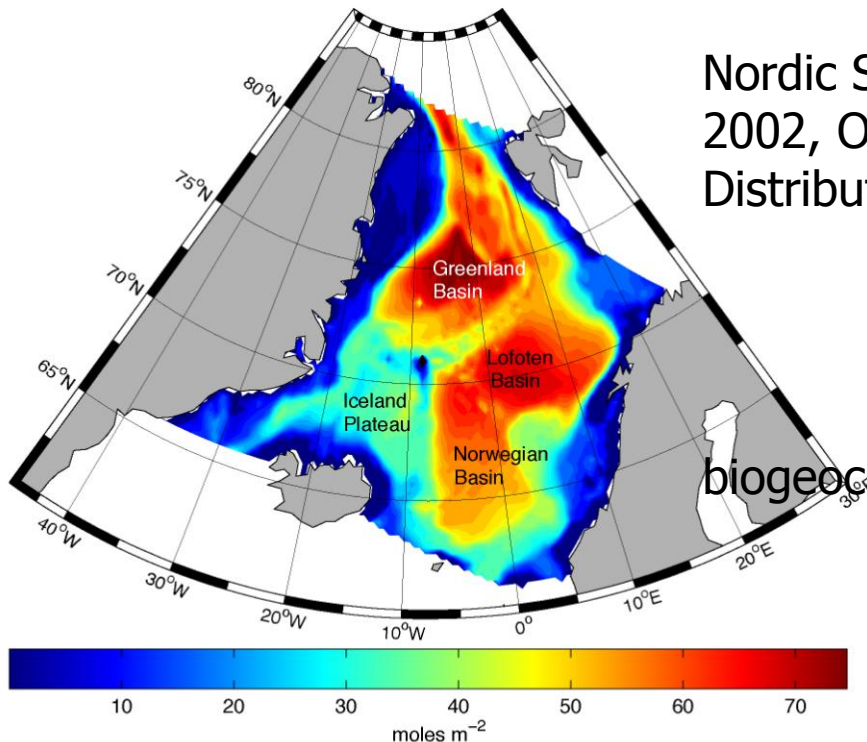
Data not yet ready



# Plans

We are planning for a new basinwide campaign 2013  
Include T&S, nuts, DIC, ALK, CFCs

Plan for repeat visits to 75°N every second year  
These should be an integral part of GO-SHIP



Nordic Seas anthropogenic CO<sub>2</sub> column inventory in 2002, Olsen et al. Nordic Seas Transit-Time Distributions and Anthropogenic CO<sub>2</sub>, in press JGR.

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Are will talk Thursday at 8:00AM, Arctic biogeochemistry session

