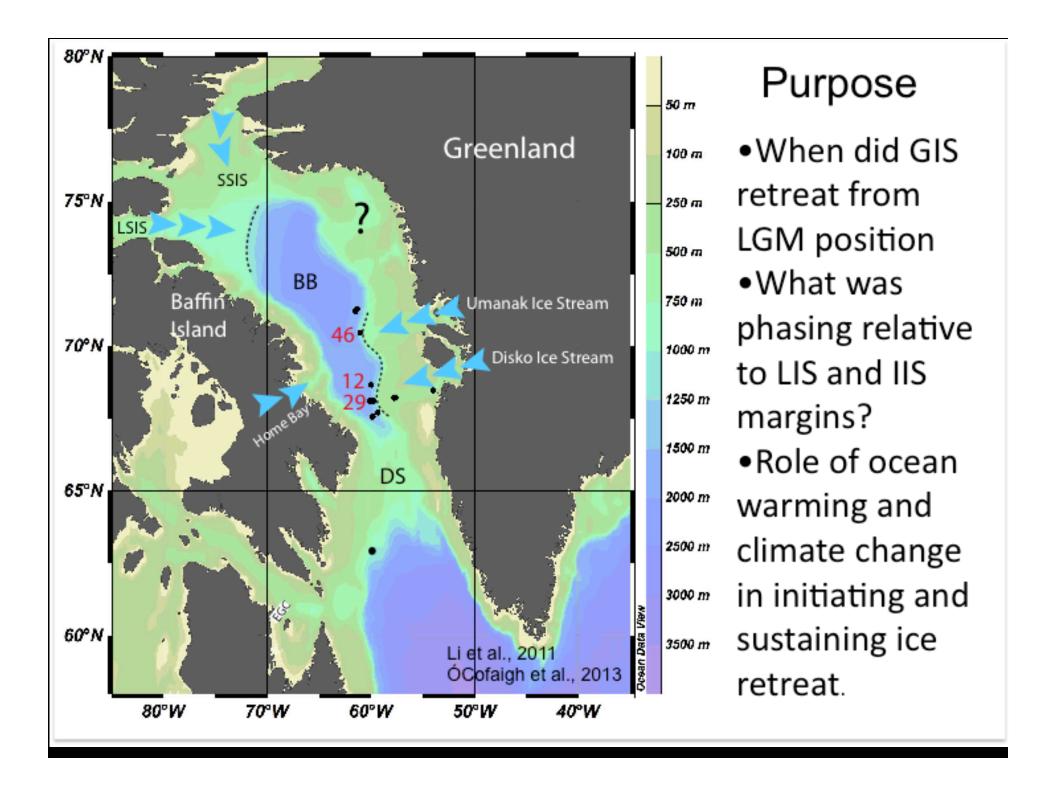
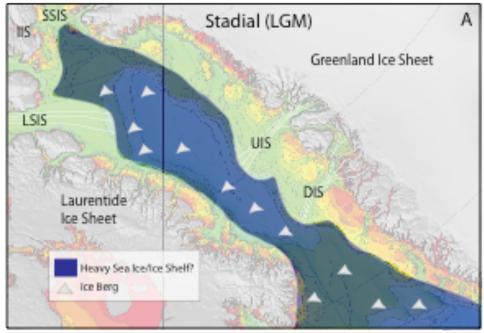
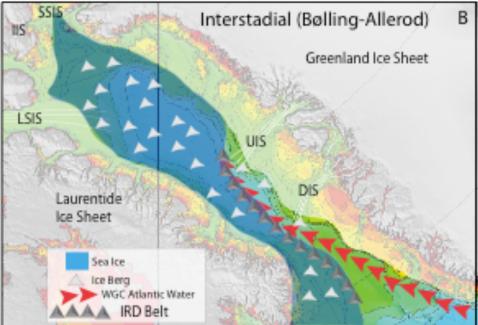
GIS Vulnerable to Atlantic Water Greenland M INS WGC 14,00 12.00 10.00 0.00 6.00 4:00 2,00 9.00



Paleoenvironments represented in Hemipelagic sediments



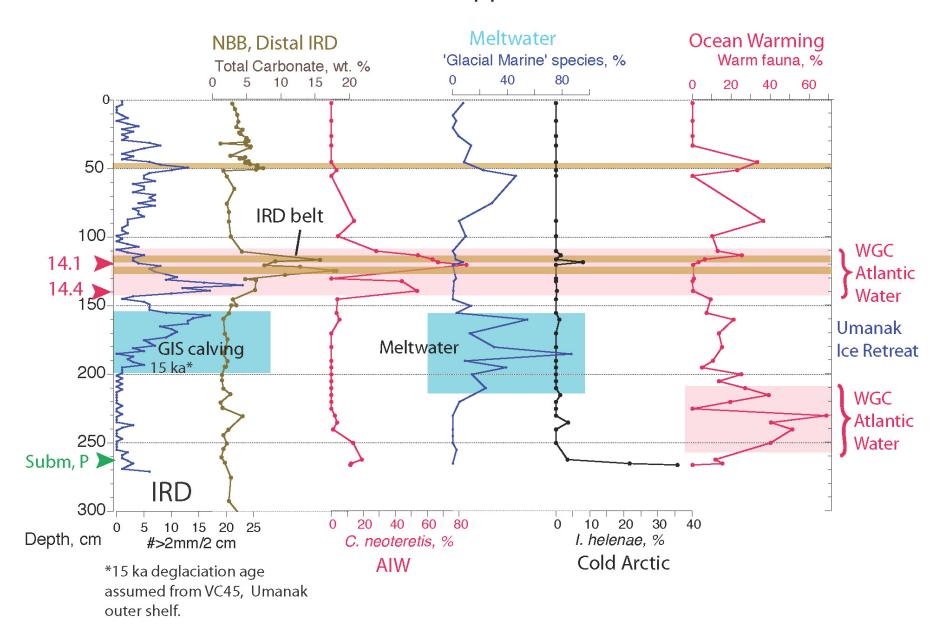


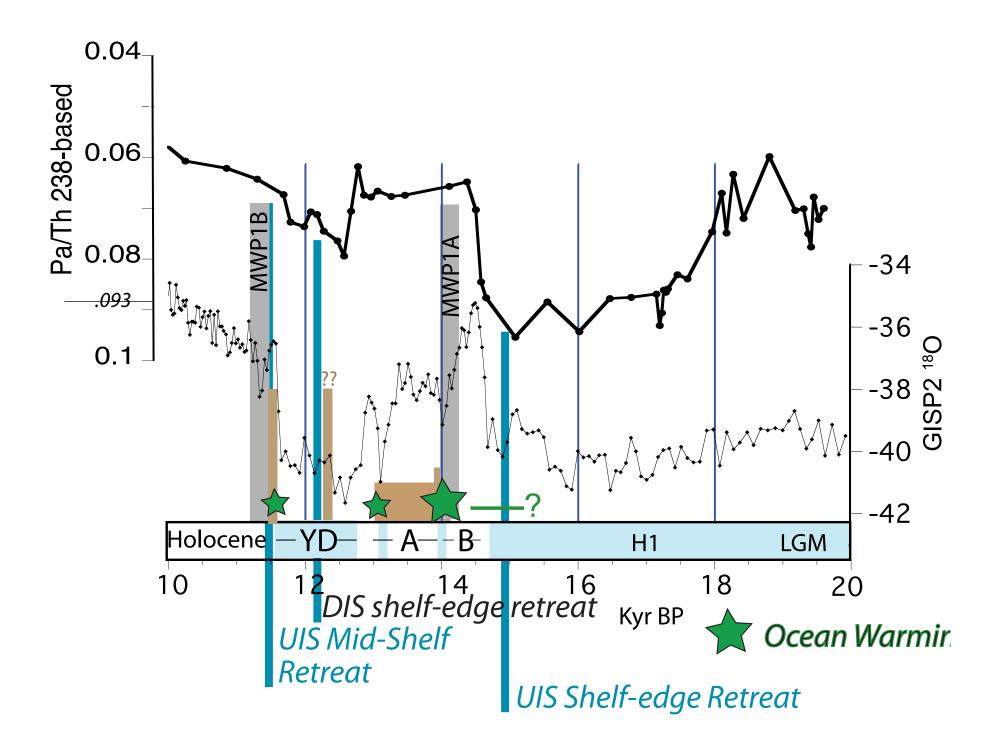
LGM Stadial: Ice Sheet advanced into a heavily seaice covered environment. Little calving.

Interstadial: WGC Atlantic Water enters Baffin Bay.

- Marine productivity.
- Ice margins retreat
- IRD belt forms where ice bergs from N Baffin Bay meet AW.

VC46, Upper Umanak Fan





Conclusions

- Ocean Warming from Atlantic Water advection via the WGC preceded retreat from GIS limit at shelf edge: dates pending.
- Deglaciation underway by 15 ka. Strong WGC during Bølling/Allerod interstadial
- Document history using multiple proxies: forams, IRD stratigraphy, mineralogy.
- Come to poster to see details

09.04.2009