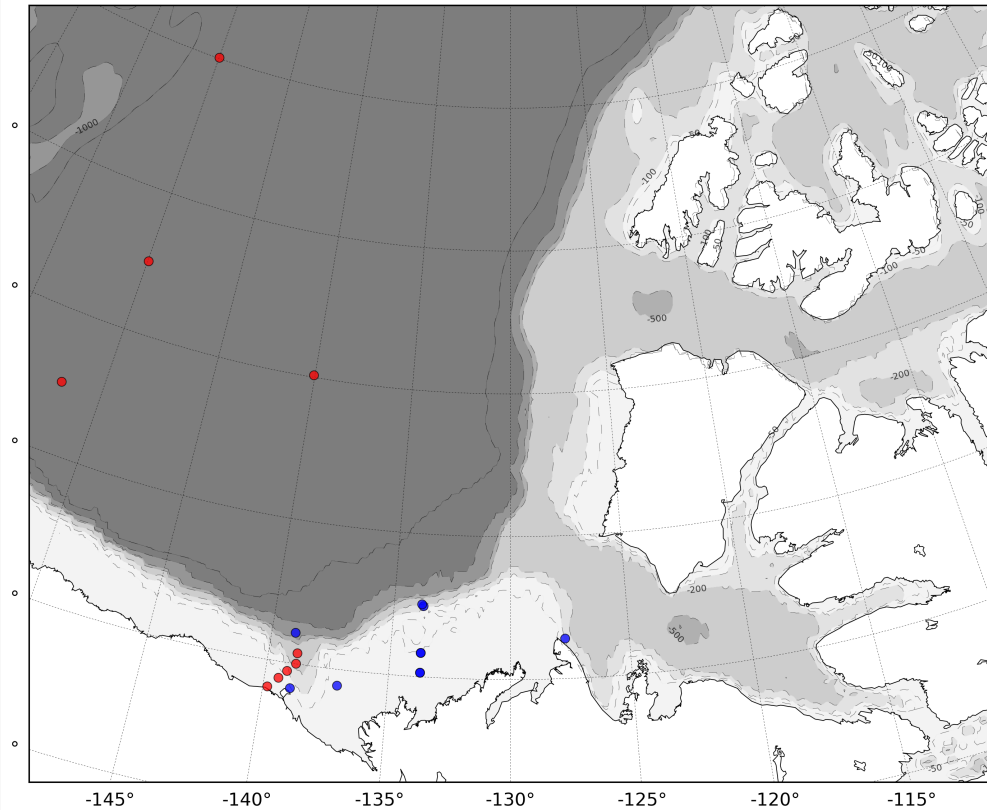
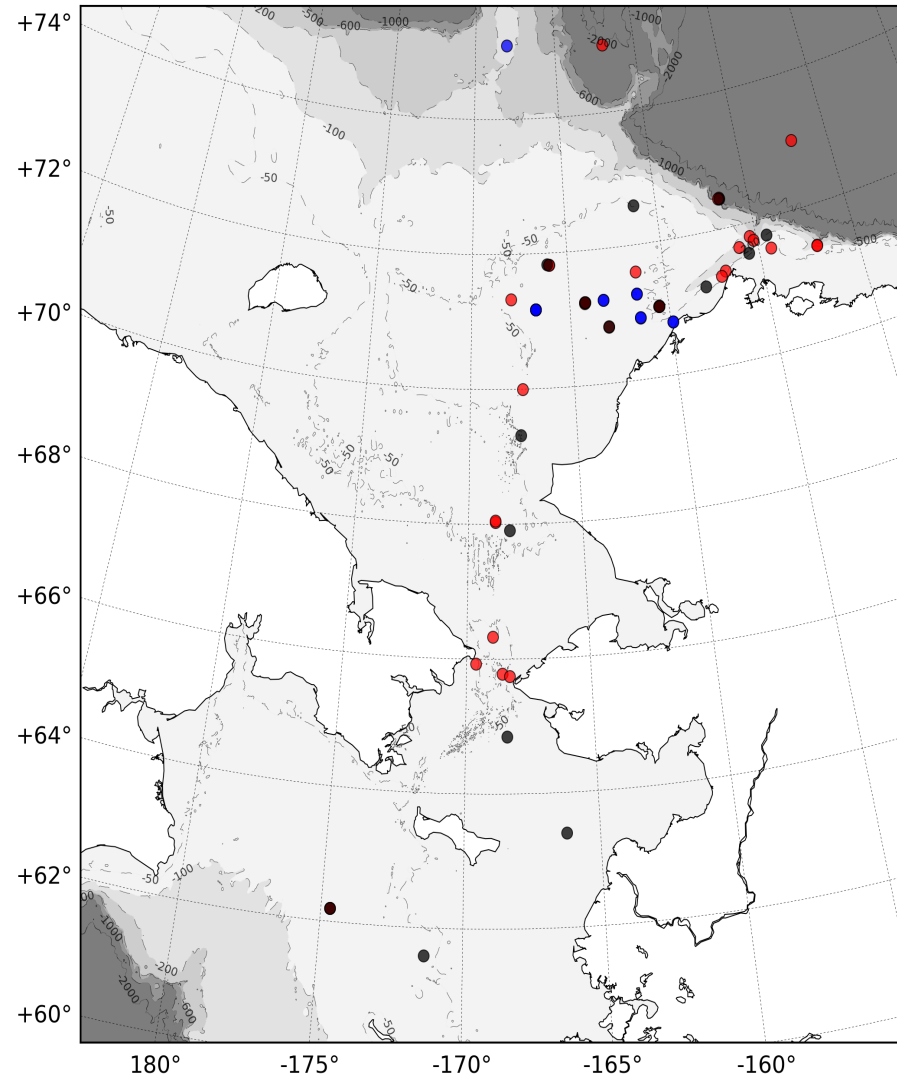


Arctic Moorings - 2016

Number of moorings: ~80



Arctic Moorings

M8 - T, S, U, pCO₂, F1

Stabeno

BSW - T, S, U, Accoustic

RUSALCA

A1, A2, A3 - T, S, U, F1

Woodgate

SCH-14-

JAMSTEC

Chukchi Eco. Mooring-

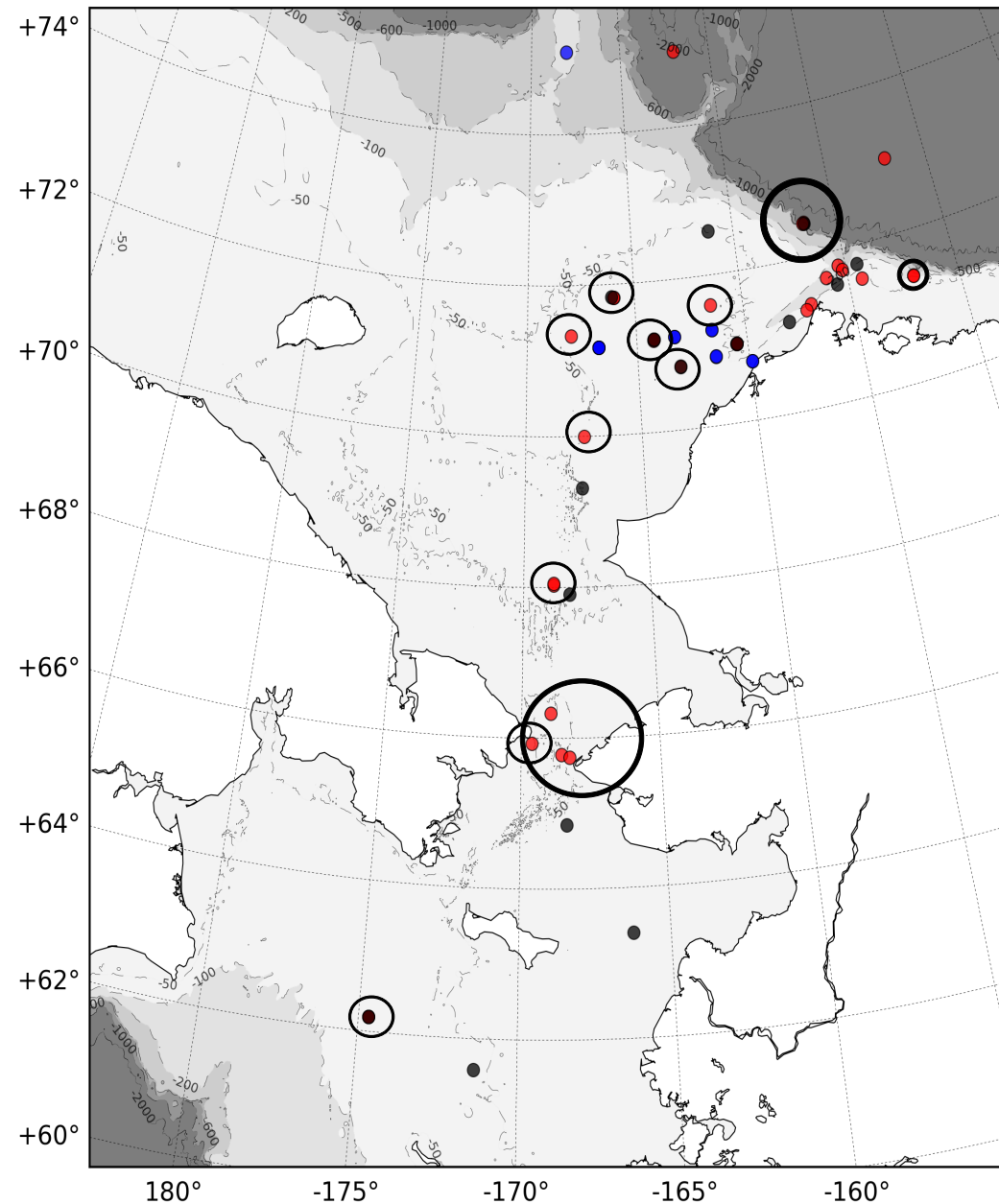
Danielson

C1 – C4, C9 – C11– T, S, U, F1,
N, ice draft, O₂, PAR)

Stabeno (BOEM/NOAA)

Mooring-

Pickart



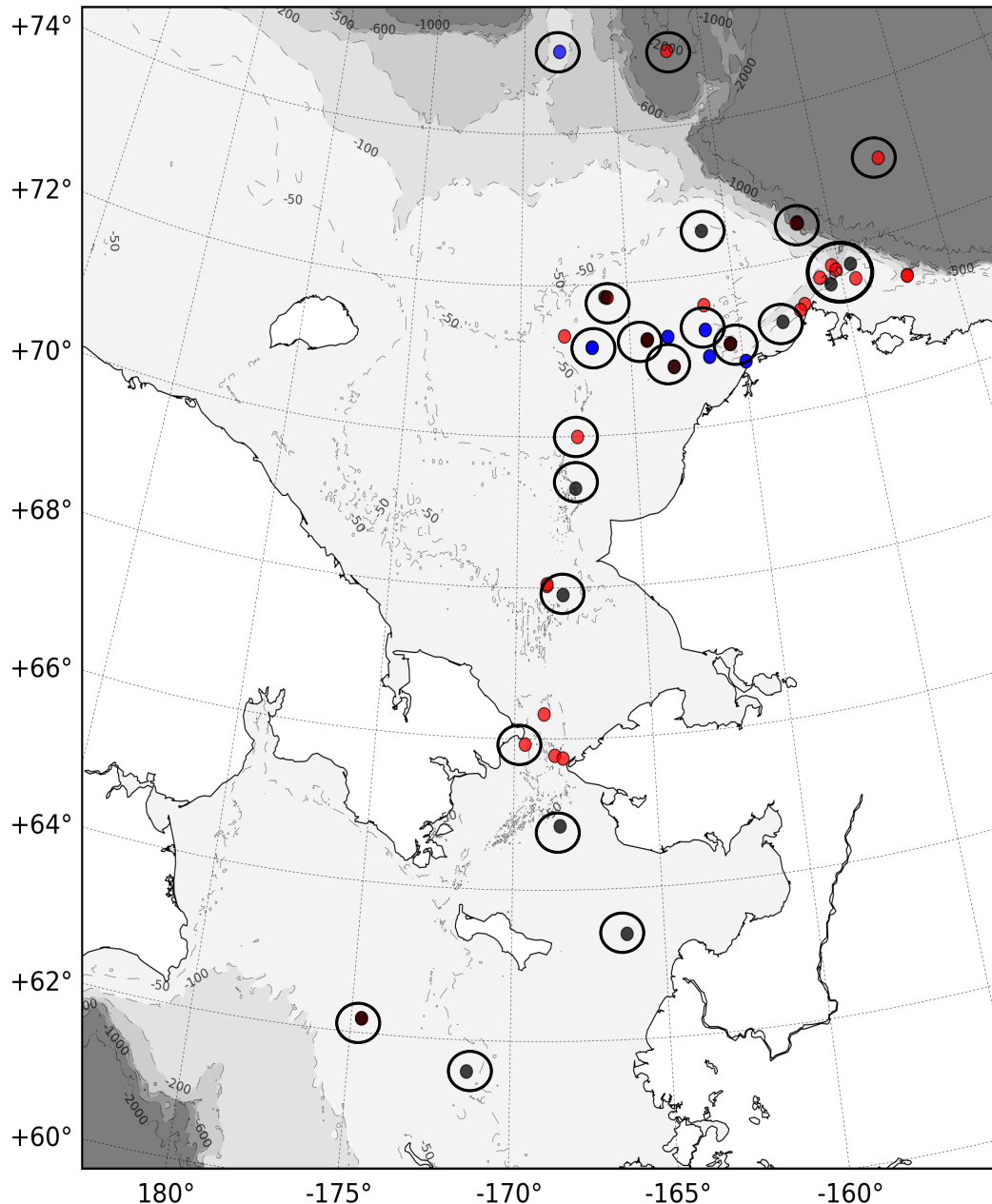
Arctic Moorings

BCW, BCC, BCE, NBC, NAP-
JAMSTEC

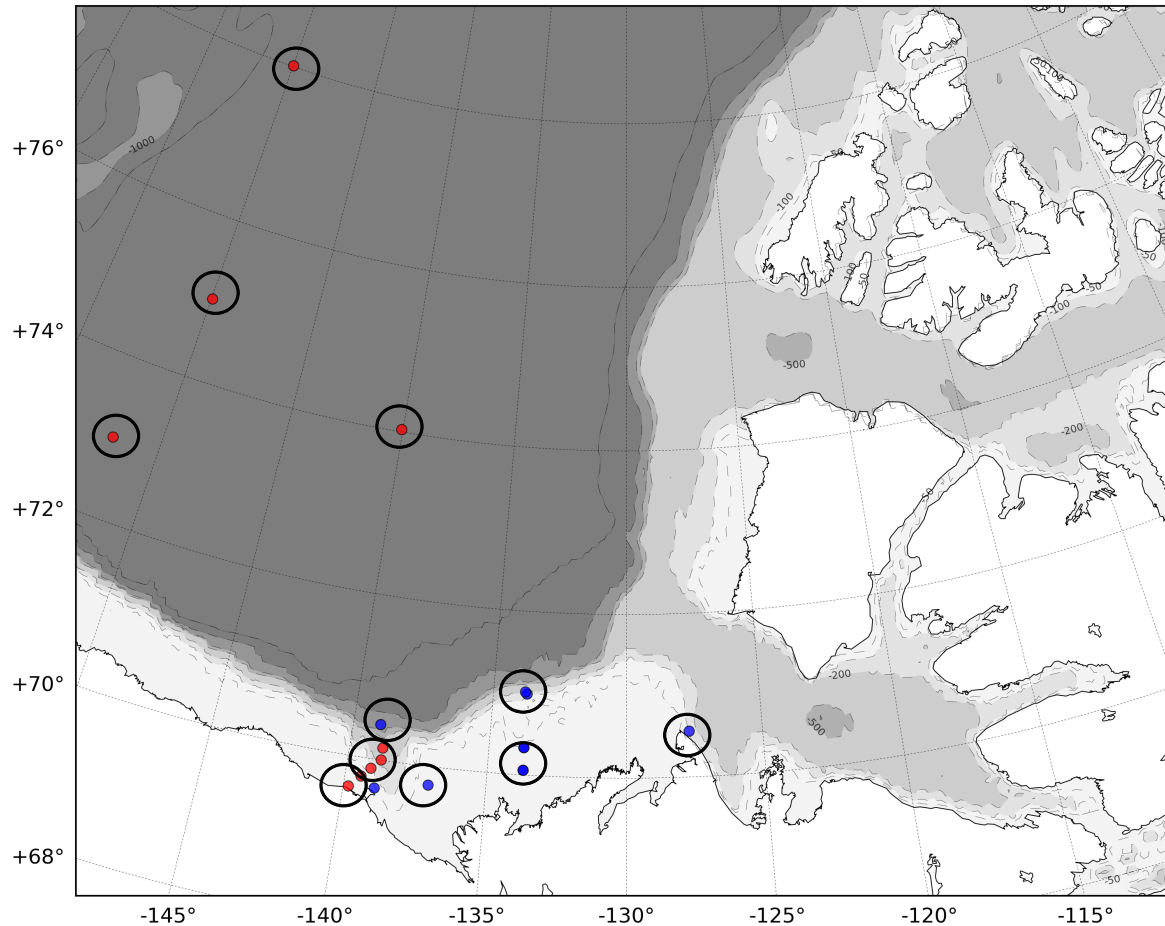
Acoustic sensors –
NMML/Berchok

Acoustic sensors –
Stafford

Moorings - *Melling*



Arctic Moorings



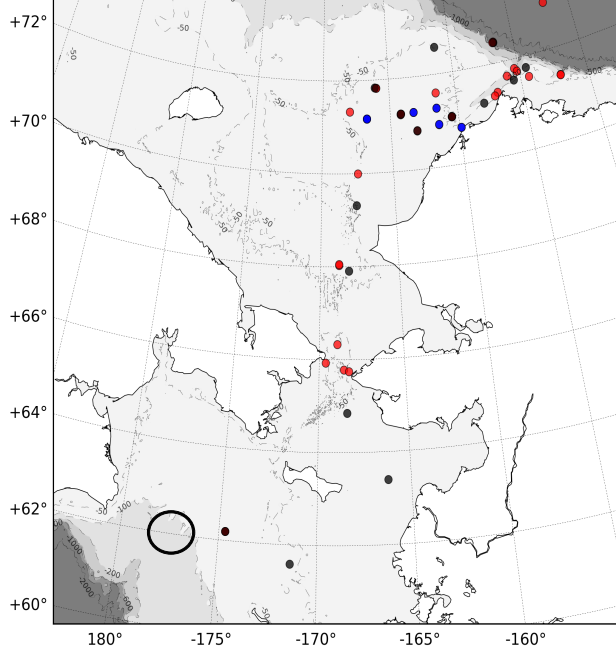
Moorings (+ 105.88°W, 69°N)-
Melling

NBC-
JAMSTEC

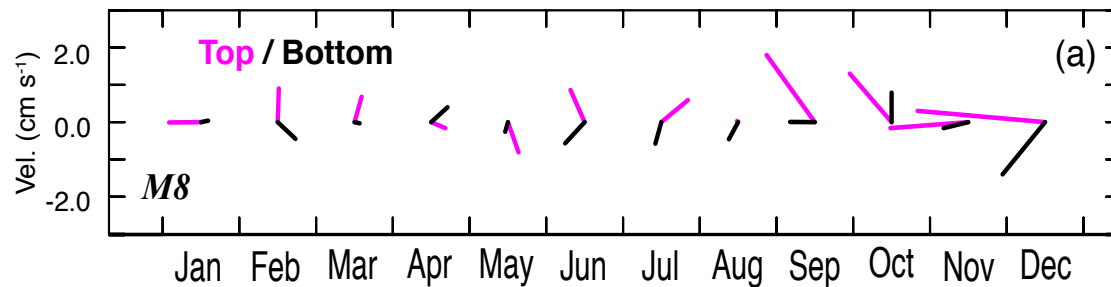
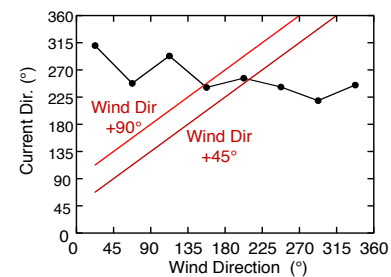
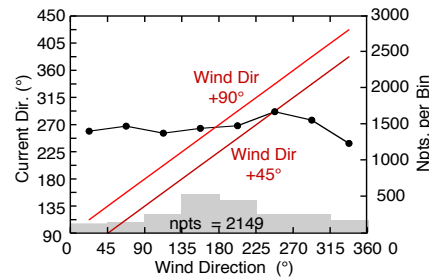
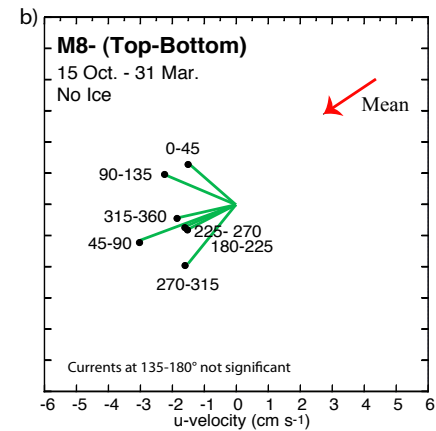
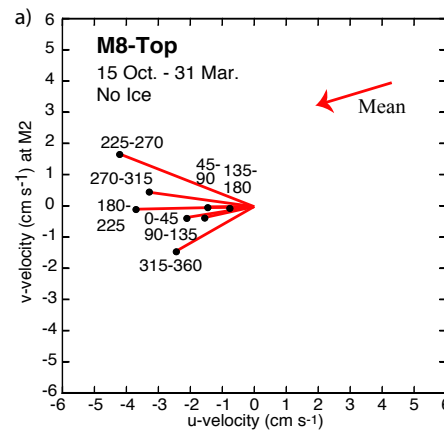
MARES –
Pickart, Fissel, Kasper

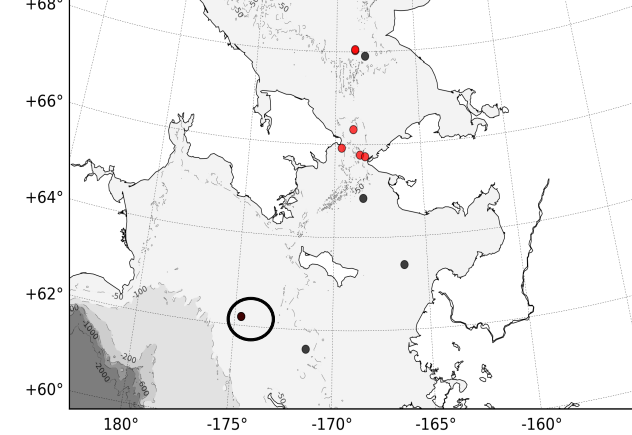
BGEP-A,B,C ?

DBO-1 – M8

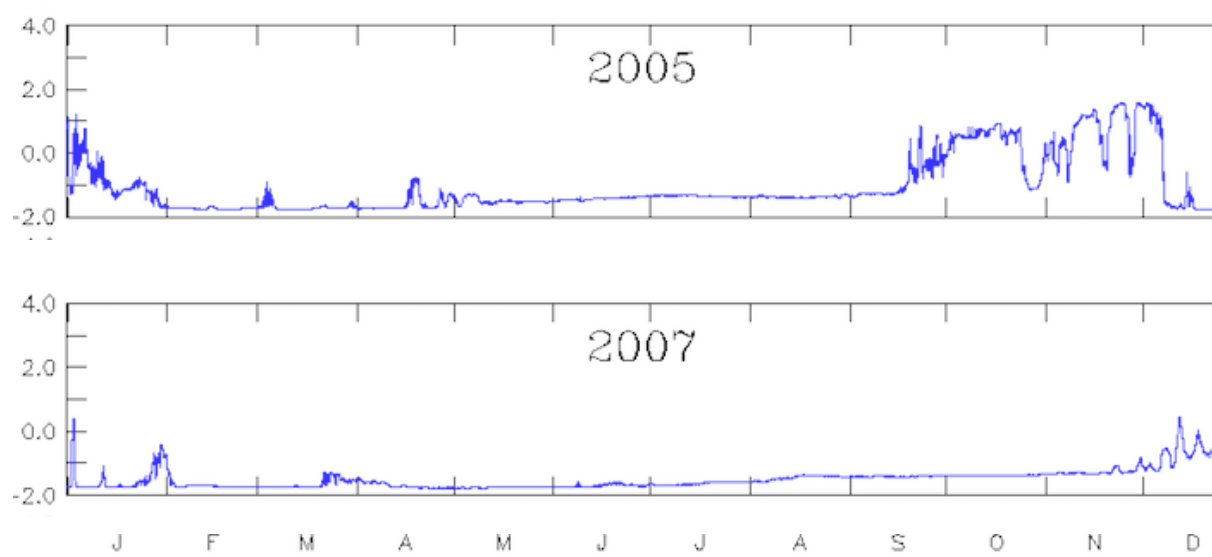


Currents:
2004 - 2014

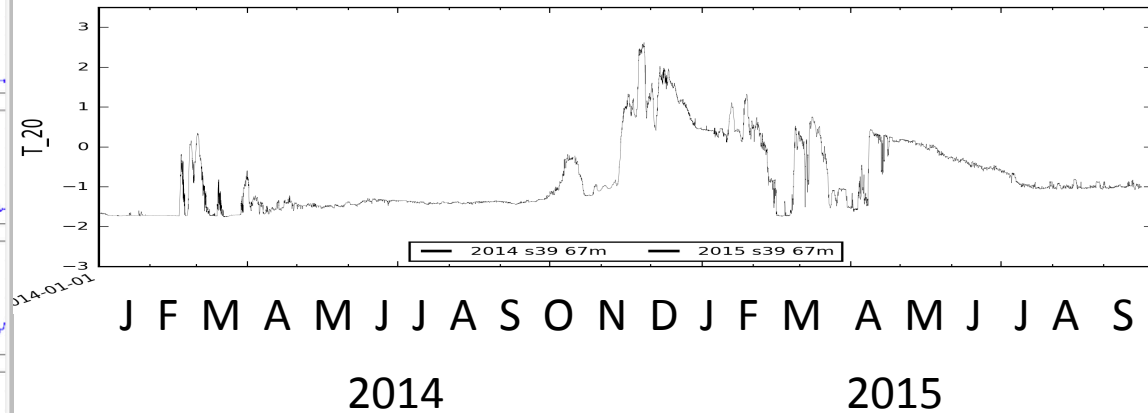
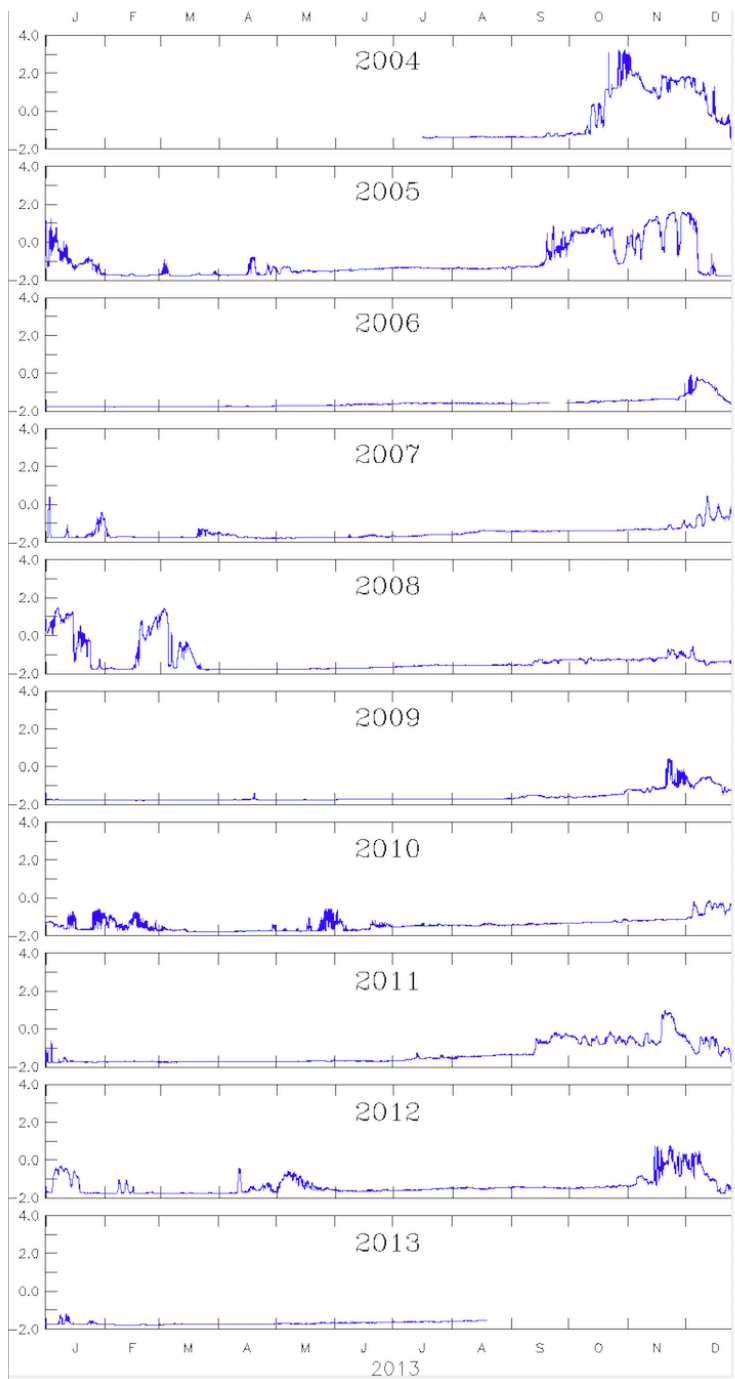




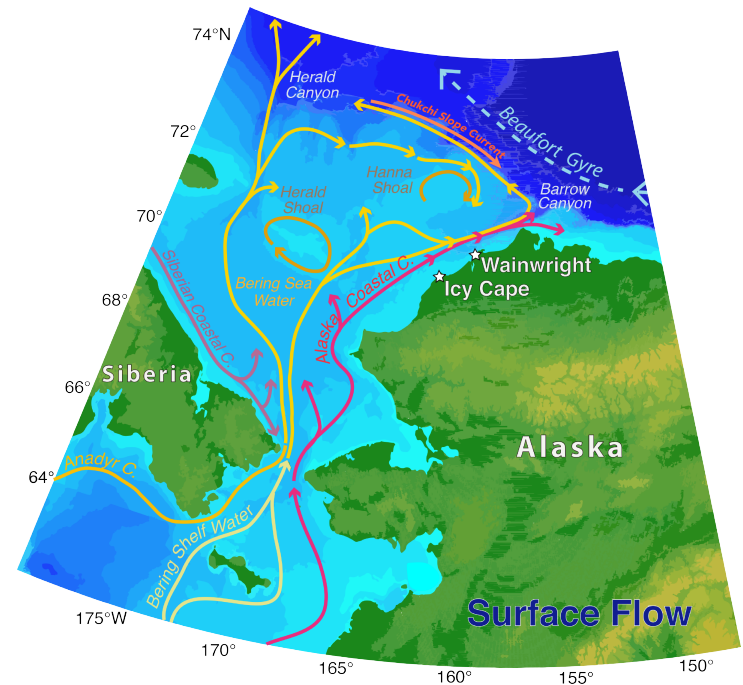
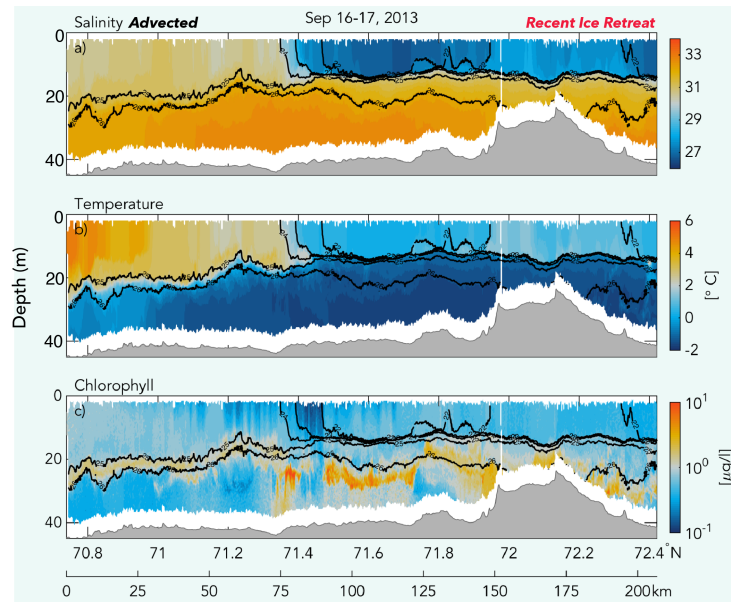
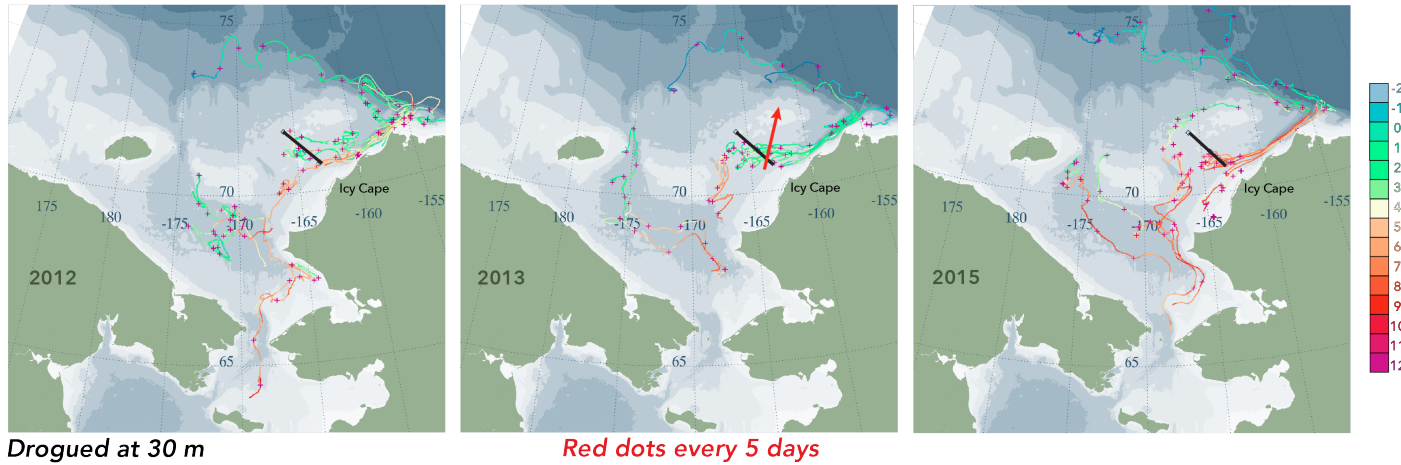
Temperature– M8

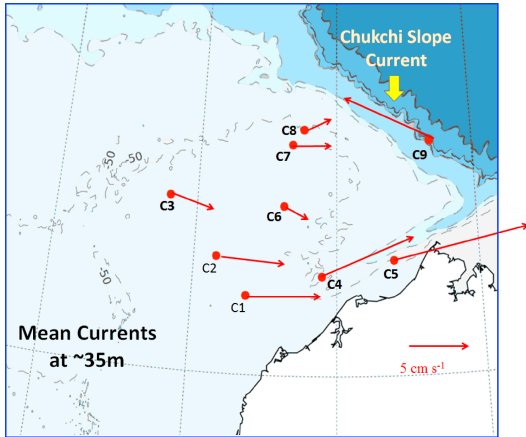


Temperature— M8

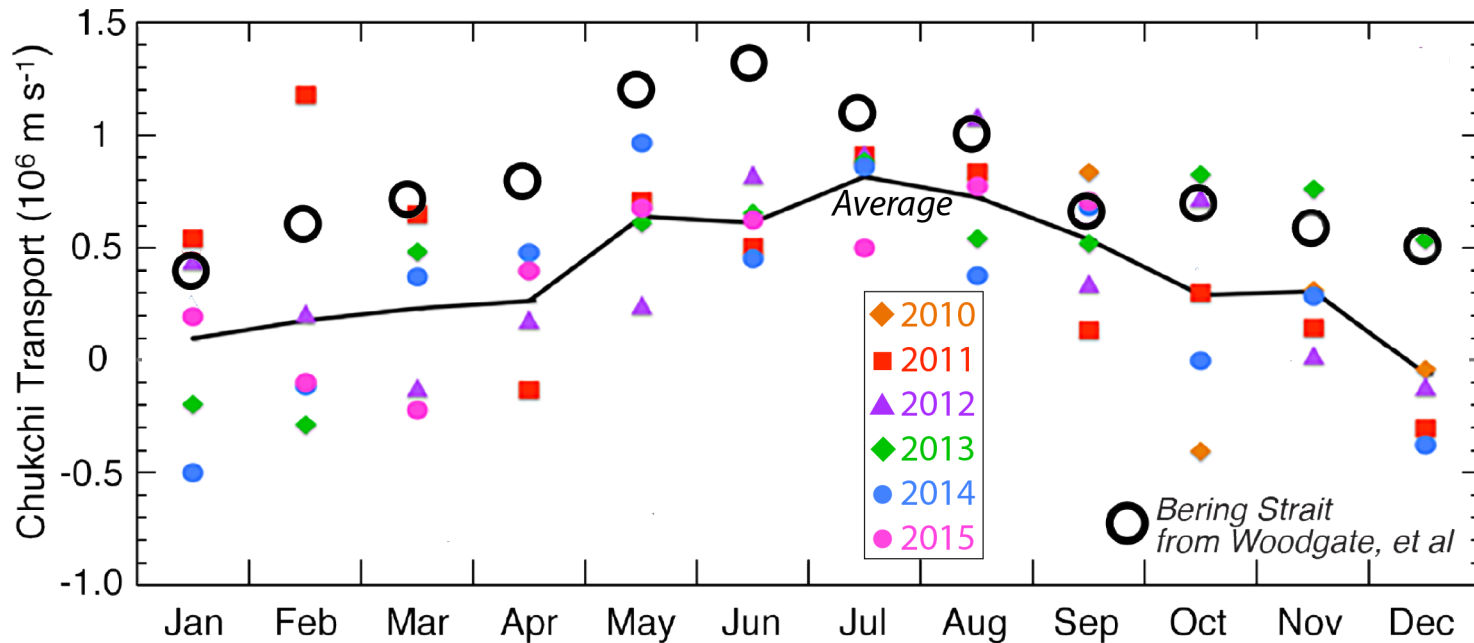


Flow patterns



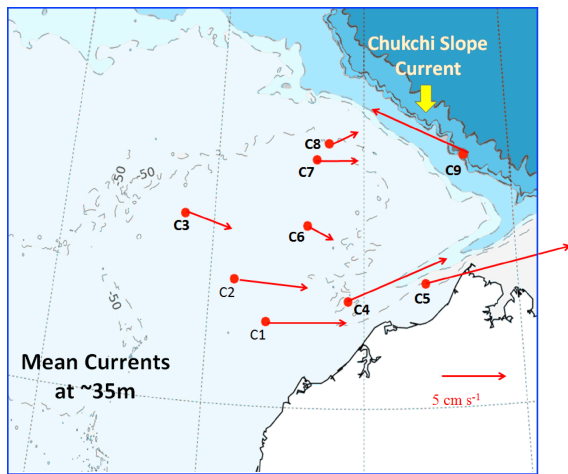


Transport at Icy Cape

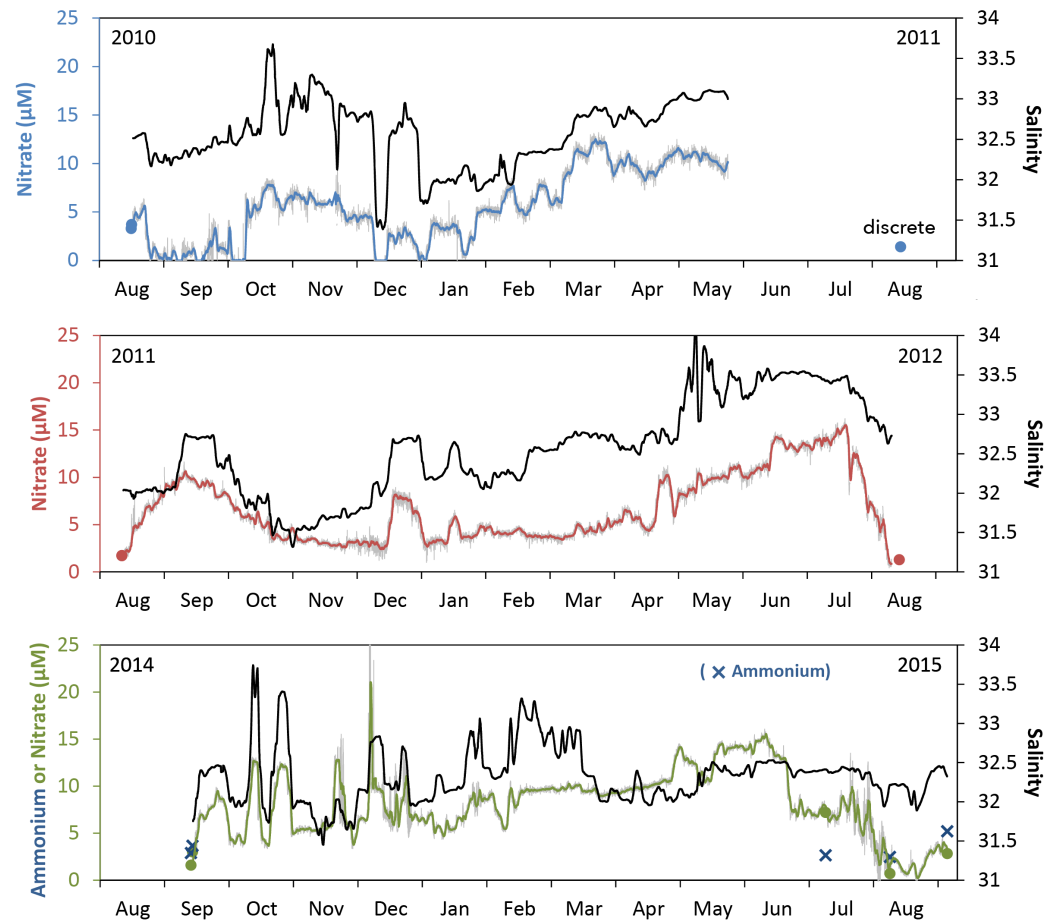
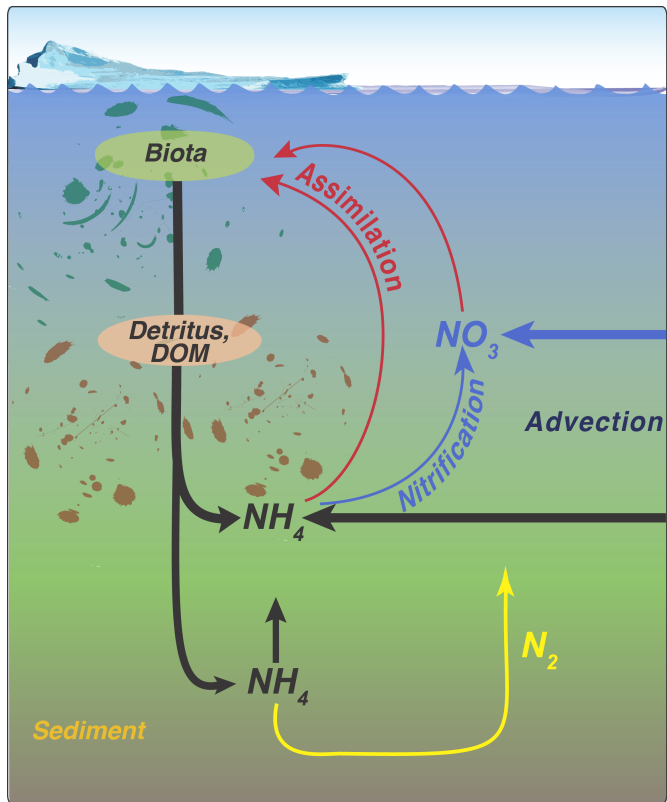


2010-1: 0.50 Sv
 2011-2: 0.35 Sv
 2012-3: 0.36 Sv
 2013-4: 0.48 Sv
 2014-5: 0.30 Sv

Average: 0.40 Sv

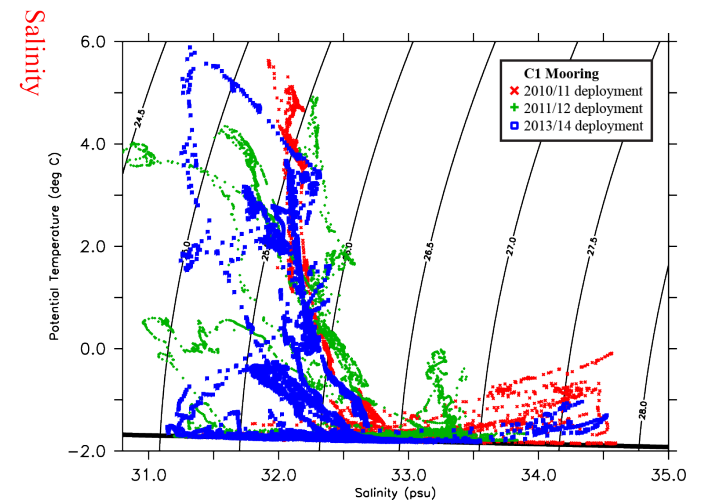
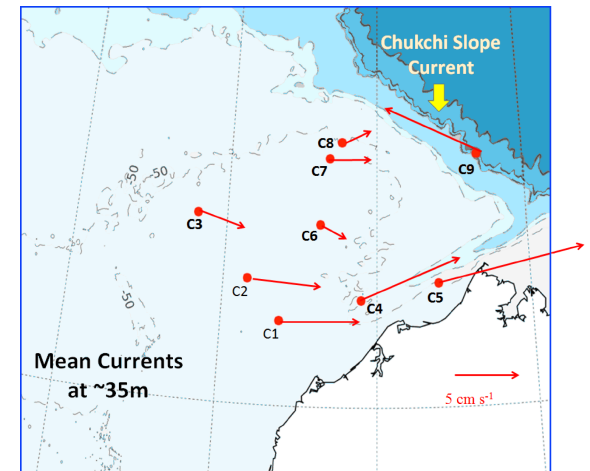
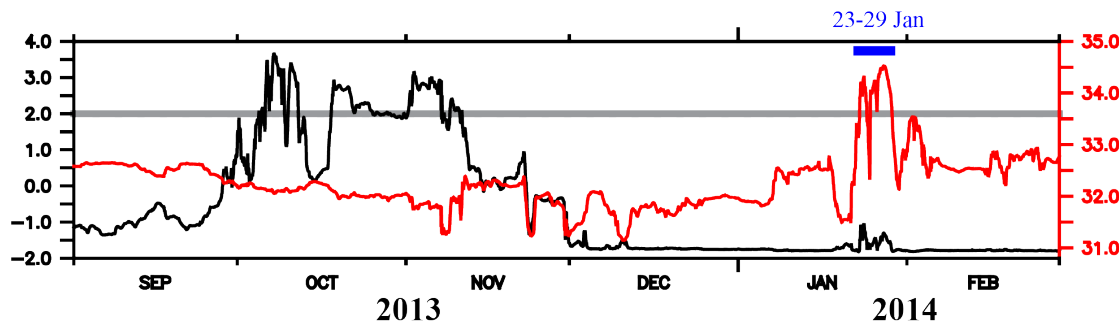
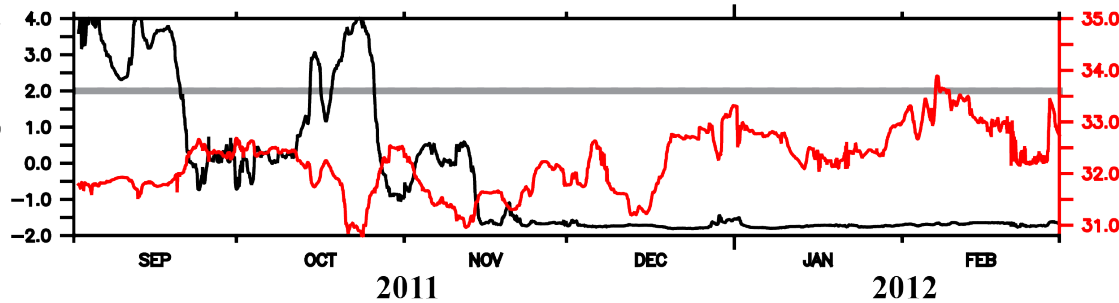
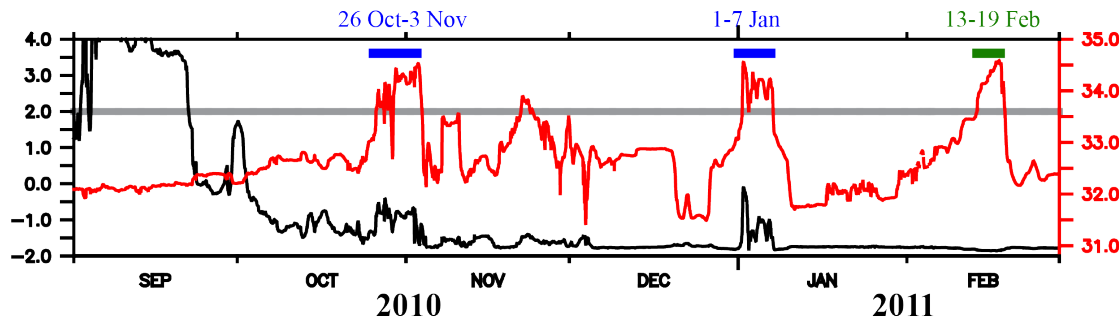


Nitrate



Calvin Mordy

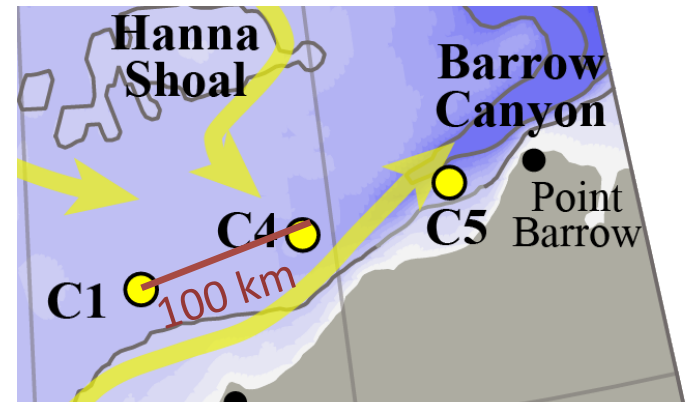
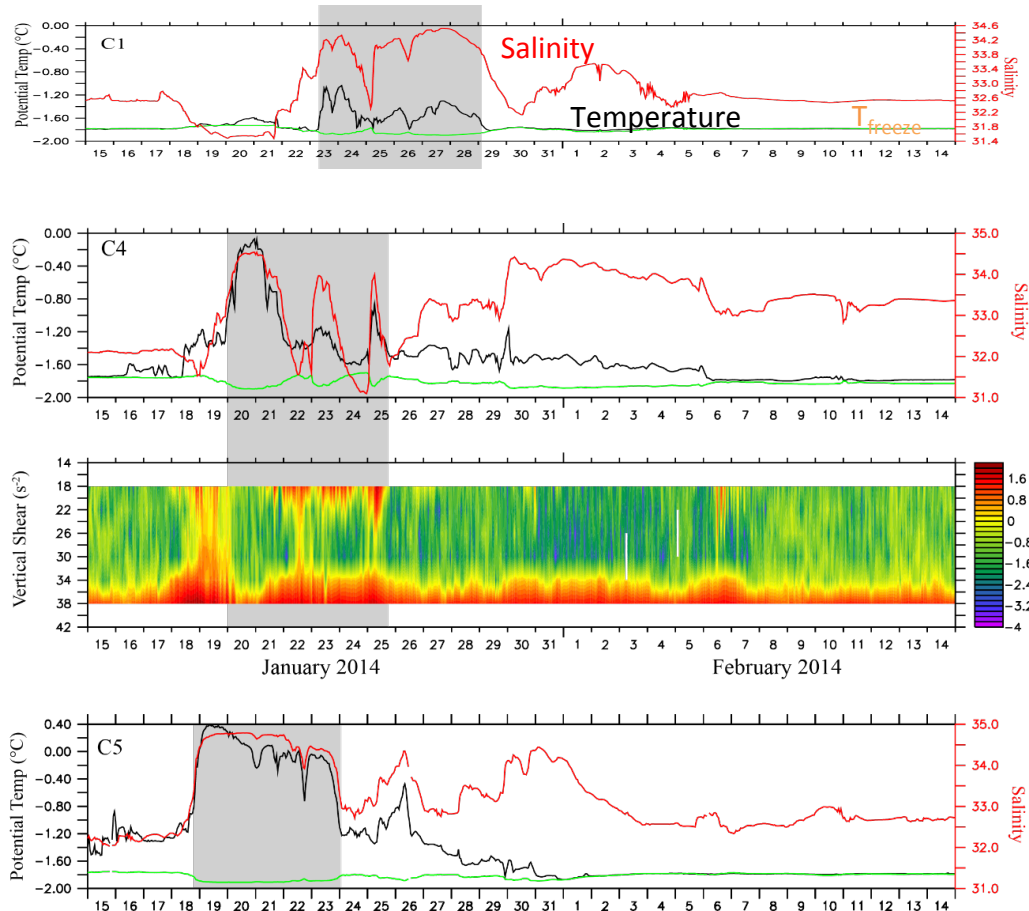
Water Properties



Carol Ladd

2014 Event

C1, C4, C5 Moorings

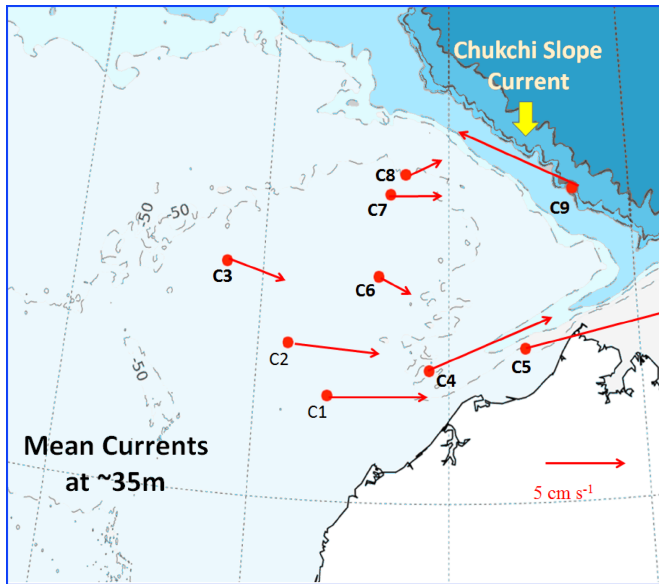


Signal reached C4 ~3 days earlier than C1 (~100 km away)

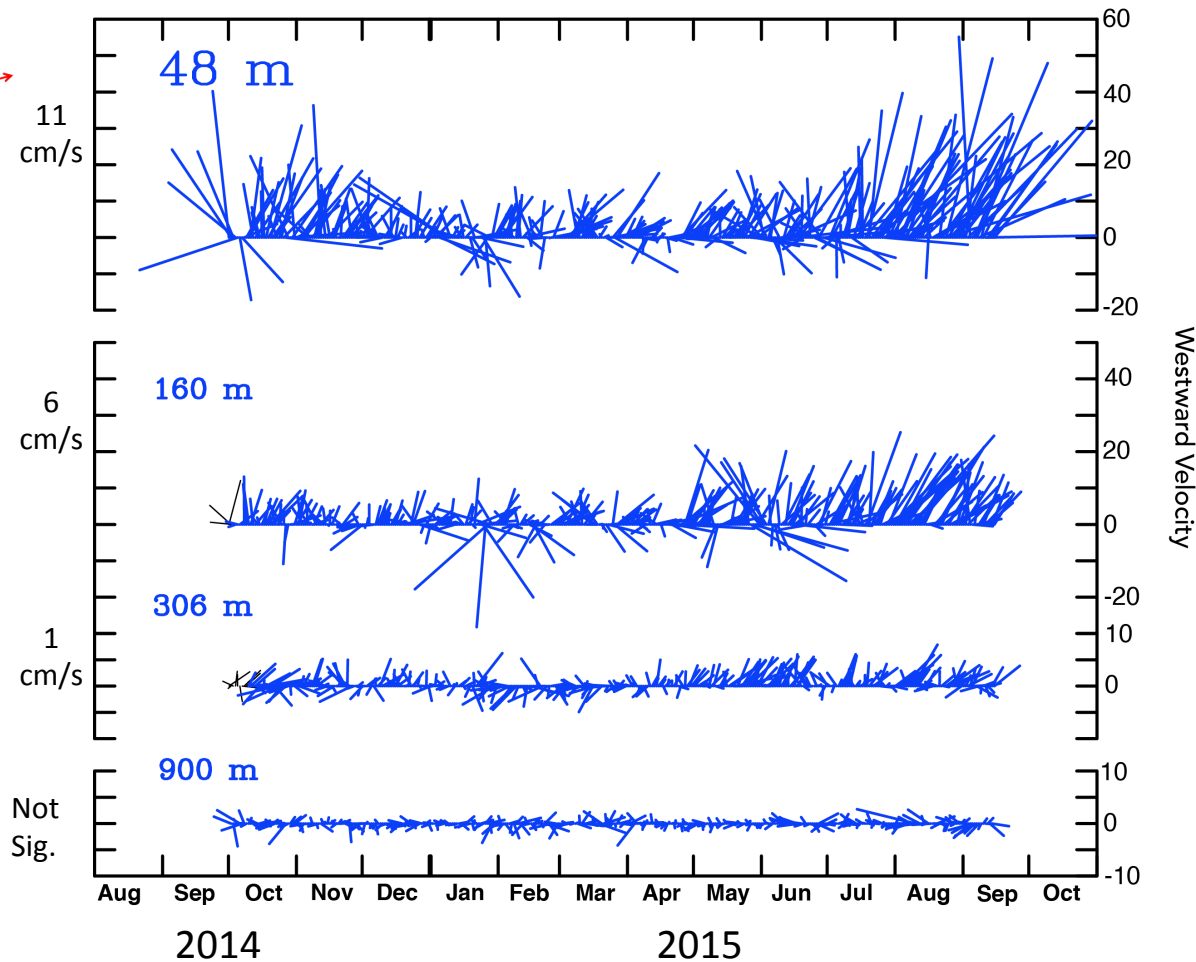
Advective speed of ~40 cm/s

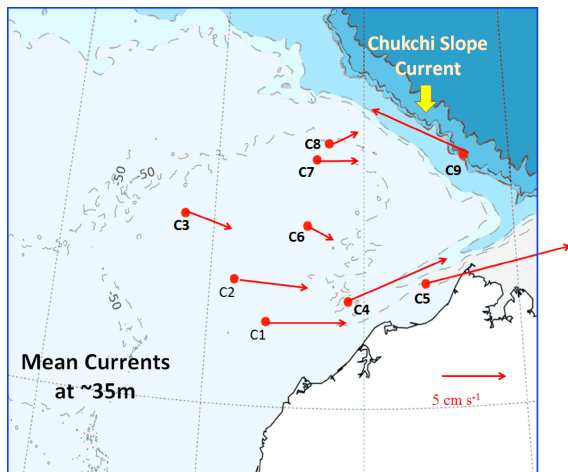
Carol Ladd

Current measurements



C9





C9 – 308 m

