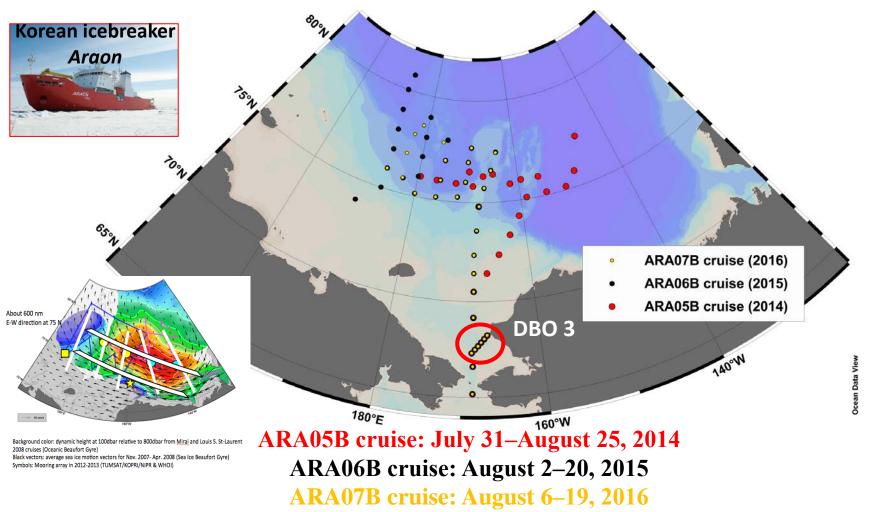
Results observed in DBO3 from 2014-2016 by KOPRI

Jinyoung Jung, Kyung-Ho Cho, Youngju Lee, Sung-Ho Kang

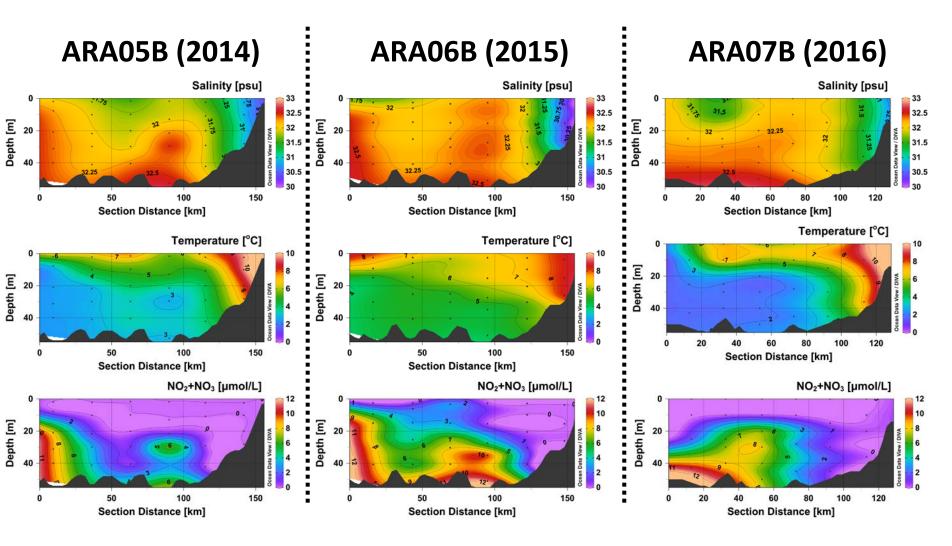
Korea Polar Research Institute, Yeonsu-gu, Incheon 21990, Republic of Korea

4th DBO workshop, PMEL/NOAA, WA, USA

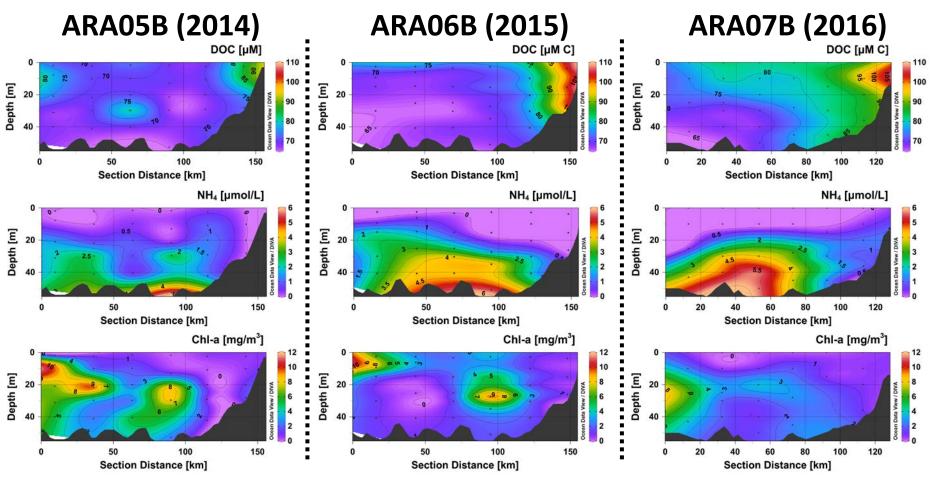
Research stations surveyed in 2014–2016



Nutrients (NH₄, NO₂+NO₃, PO₄, SiO₂), dissolved organic carbon (DOC), and particulate organic carbon (POC)



- West: colder, saltier, nutrient-rich (Anadyr Water or Bering Shelf Water)
- East: warmer, fresh, nutrient-poor (Alaska Coastal Water)



- High DOC concentration was observed in the eastern side where the influence of Alaska Coastal Water was strong.
- Active remineralization by heterotrophic bacteria occurred in DBO3.
- Did The influence of Alaska Coastal Water become more stronger in 2016?
- Was there any change of river discharge rate in Yukon River?

Distributions of DOC and POC in 2015 and 2016

