

Results in DBO3 from 2014-2017 & 2019 plan

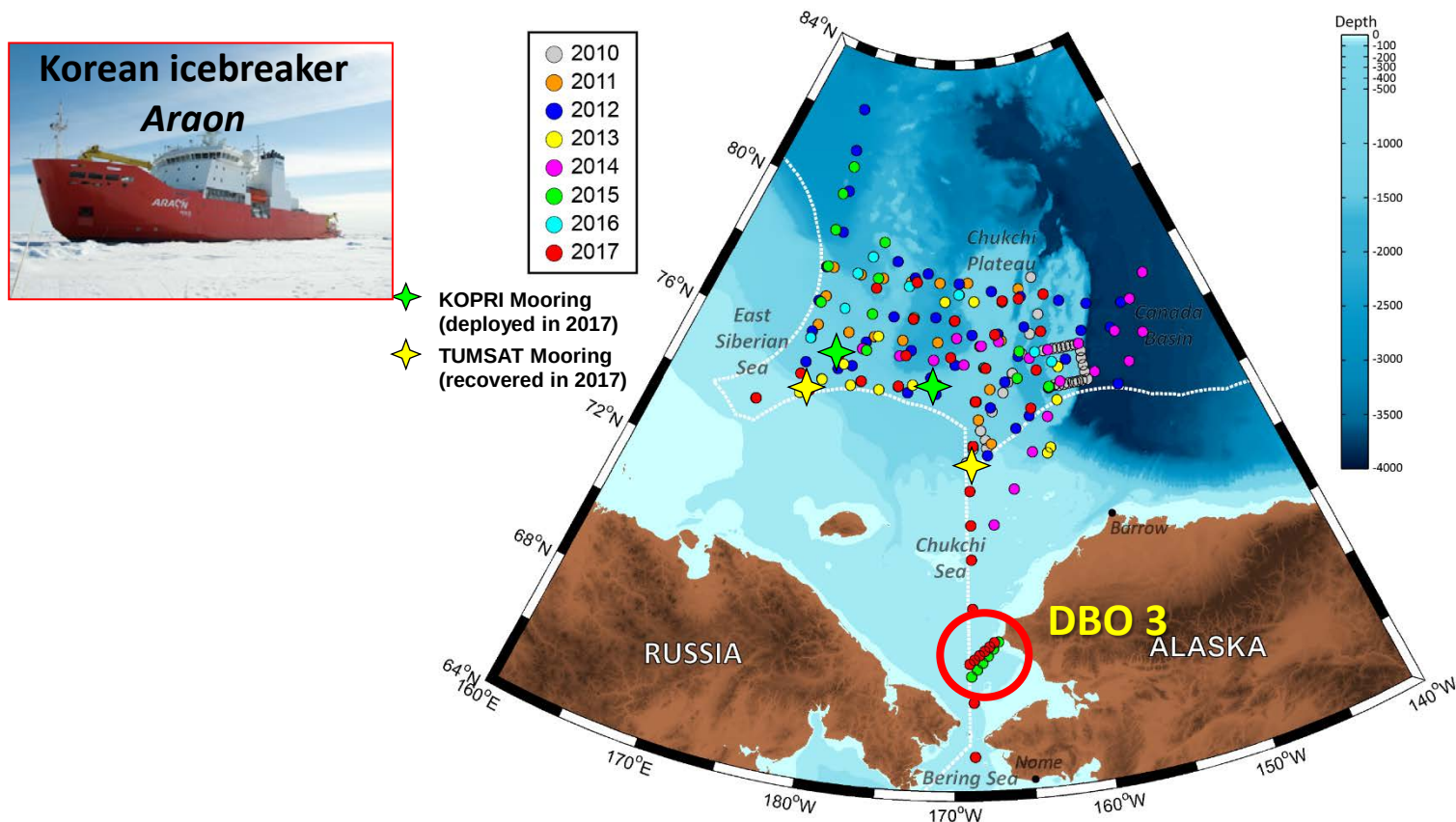
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Youngju Lee and Sung-Ho Kang**

Korea Polar Research Institute



2019 PAG spring meeting, Arkhangelsk, Russia

Observations in DBO3 from 2014–2017



ARA05B cruise: July 31–August 25, 2014

ARA06B cruise: August 2–20, 2015

ARA07B cruise: August 6–19, 2016

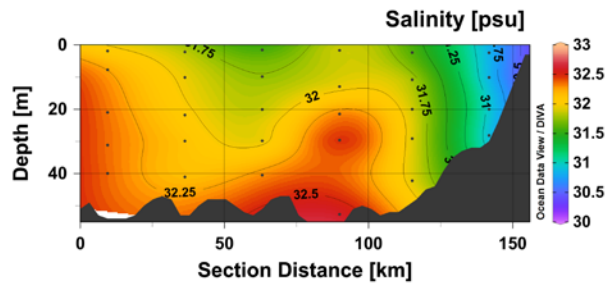
ARA08B cruise: August 6–25, 2017

Plan : ARA10B cruise: August 3-27, 2019

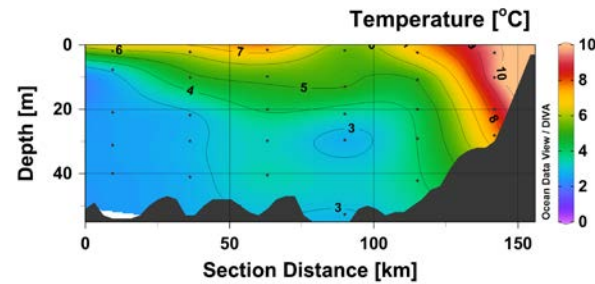
*** Research components**

- Physics: CTD
- Biology: Chl-a, HPLC, phytoplankton, zooplankton
- Chemistry: Nutrients, DOC, POC, River fraction

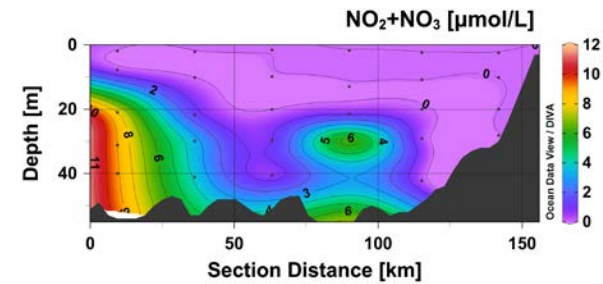
ARA05B (2014)



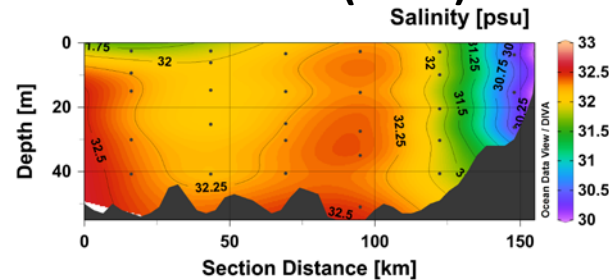
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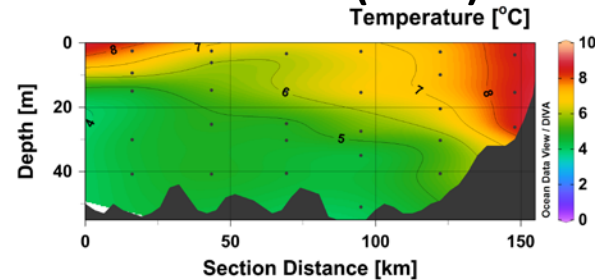
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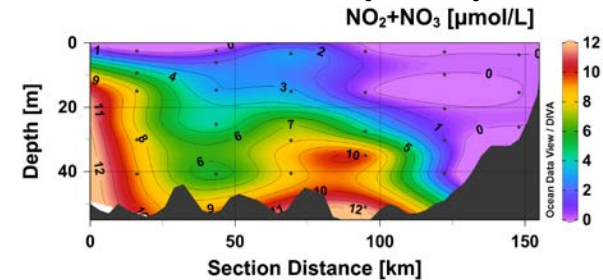
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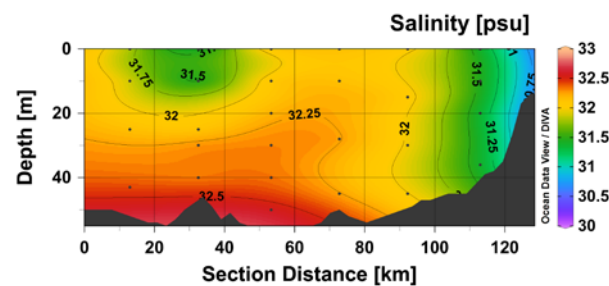
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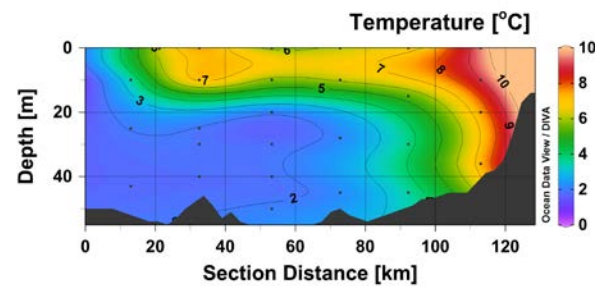
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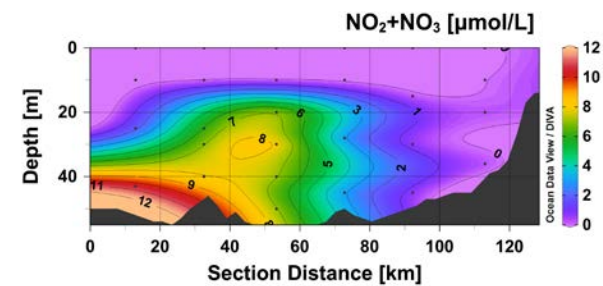
ARA07B (2016)



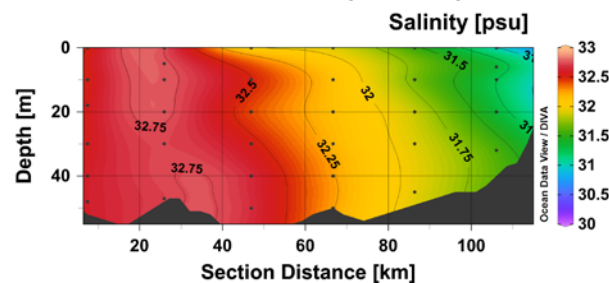
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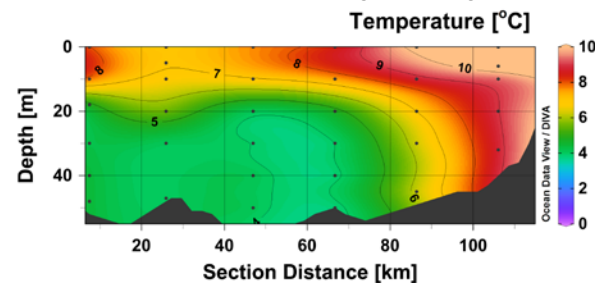
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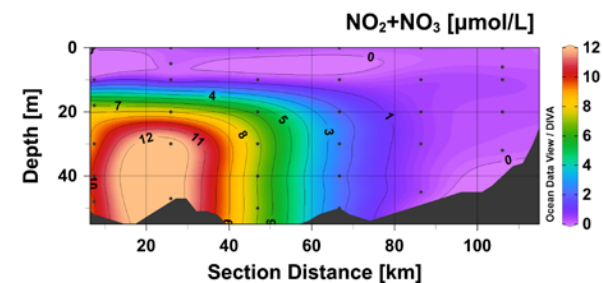
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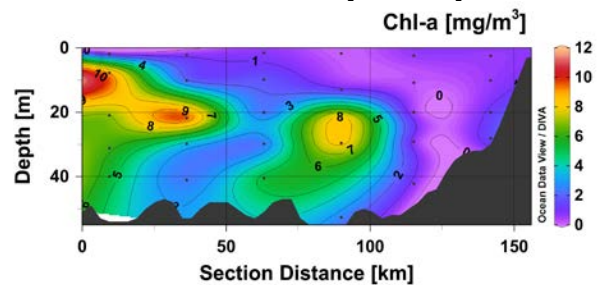
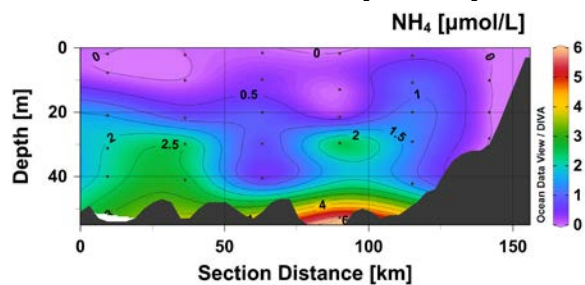
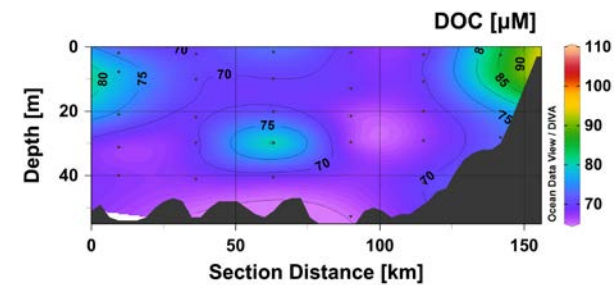
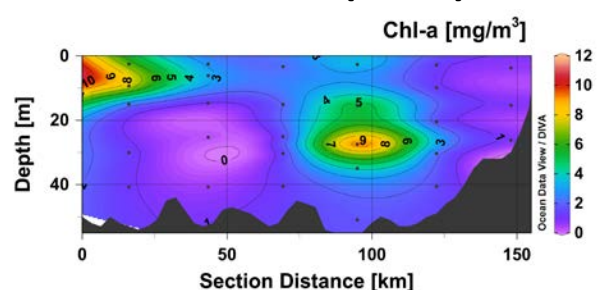
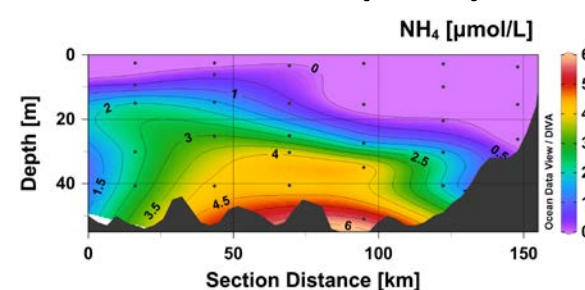
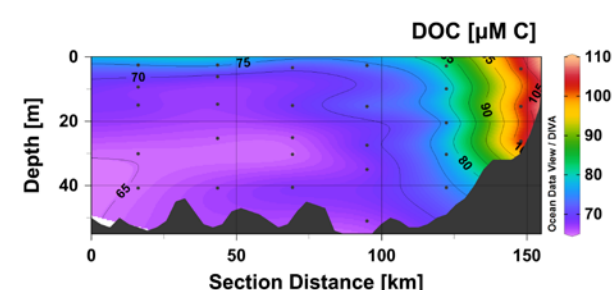
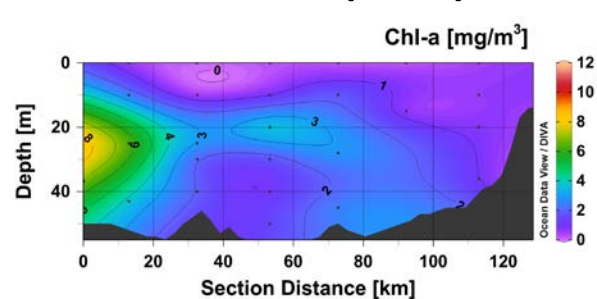
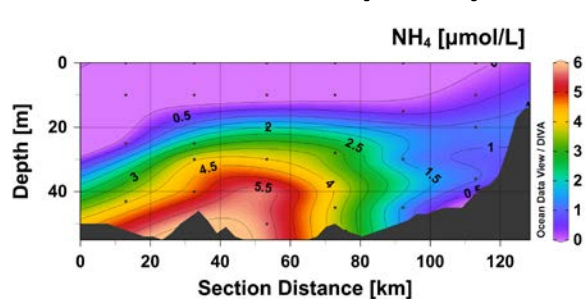
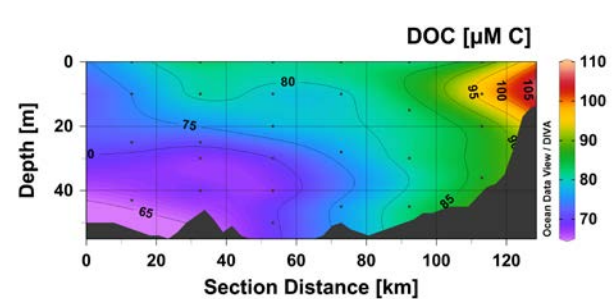
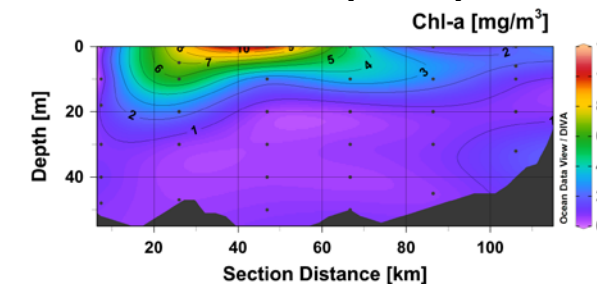
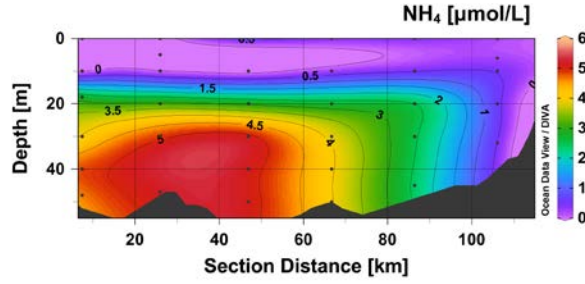
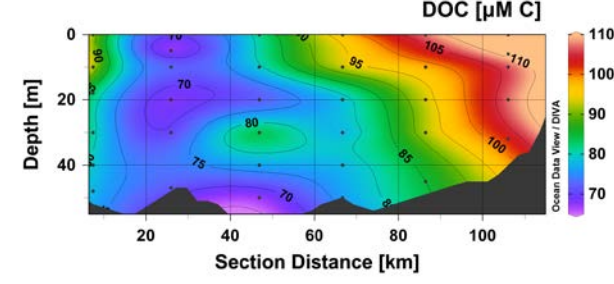


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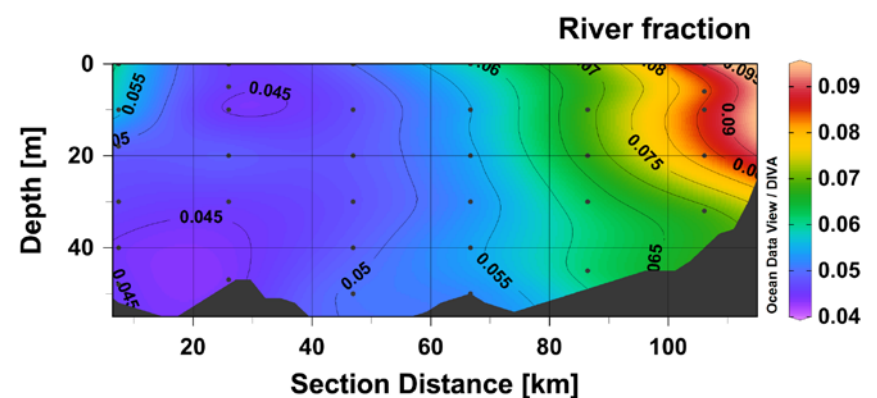
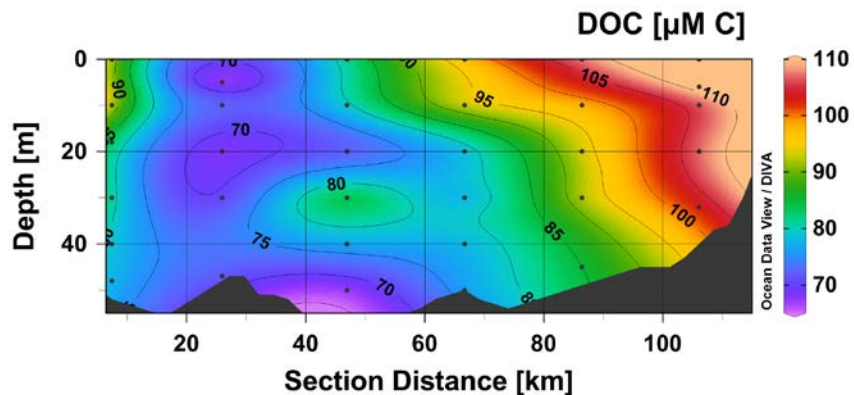
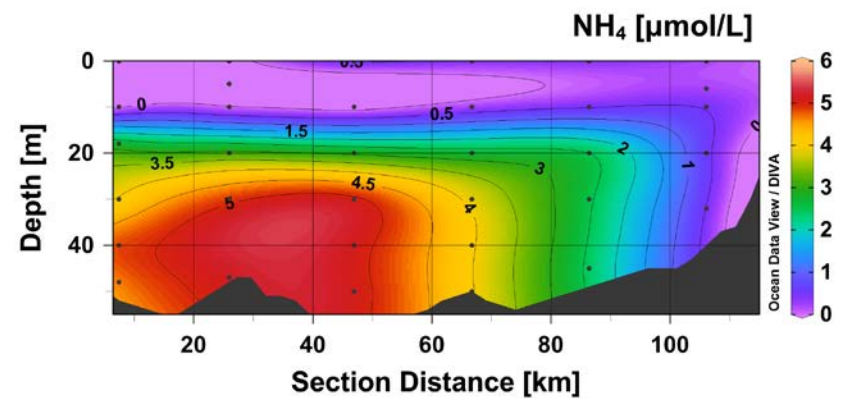
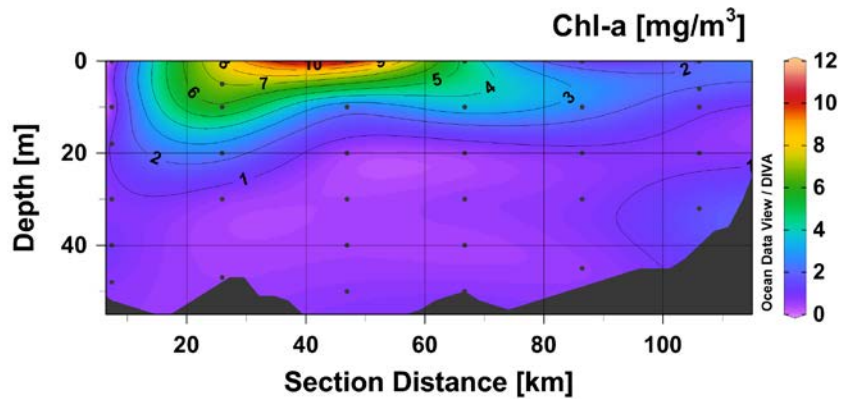
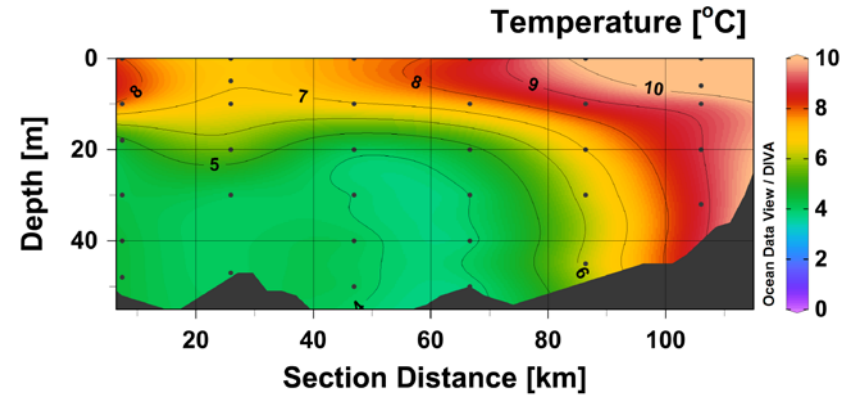
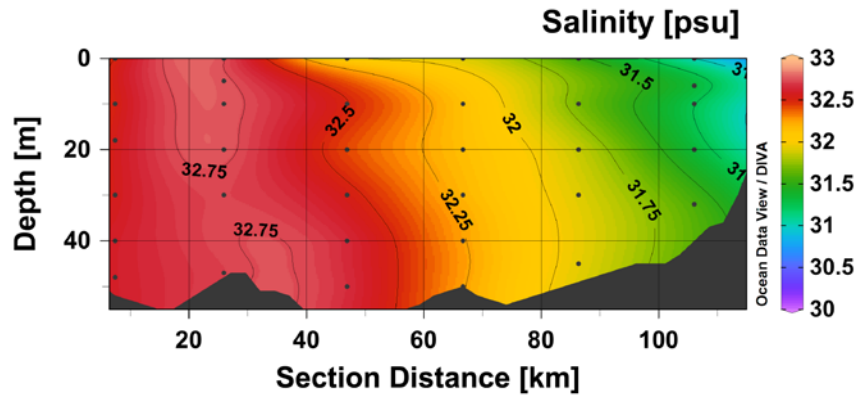


ARA08B (2017)

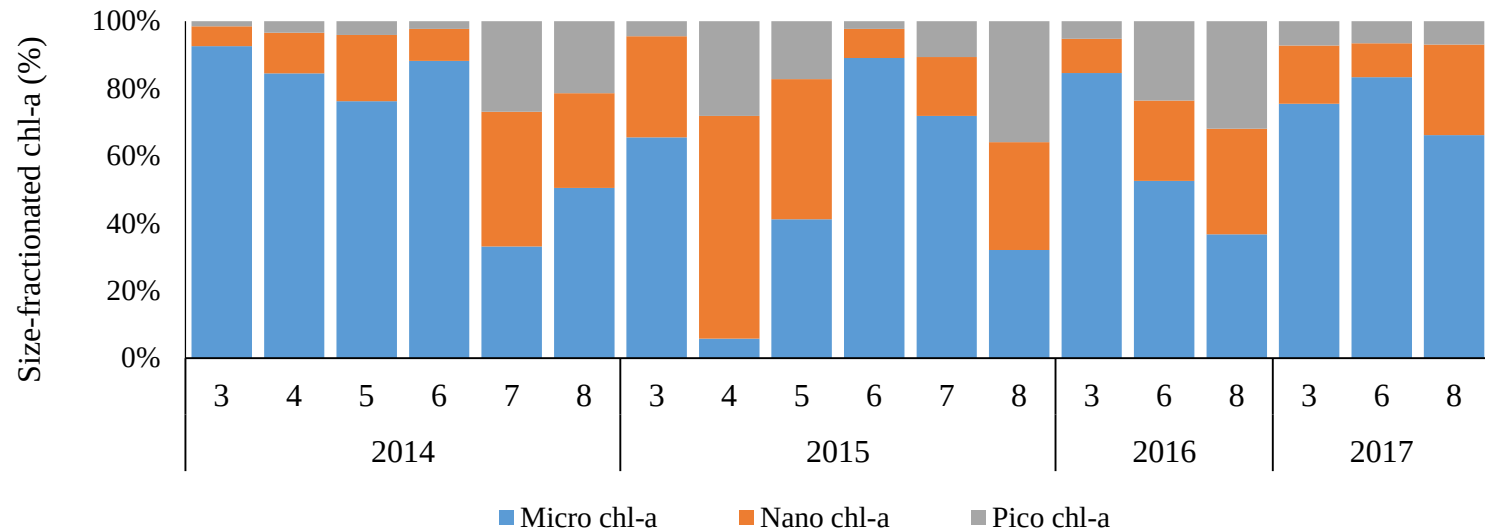
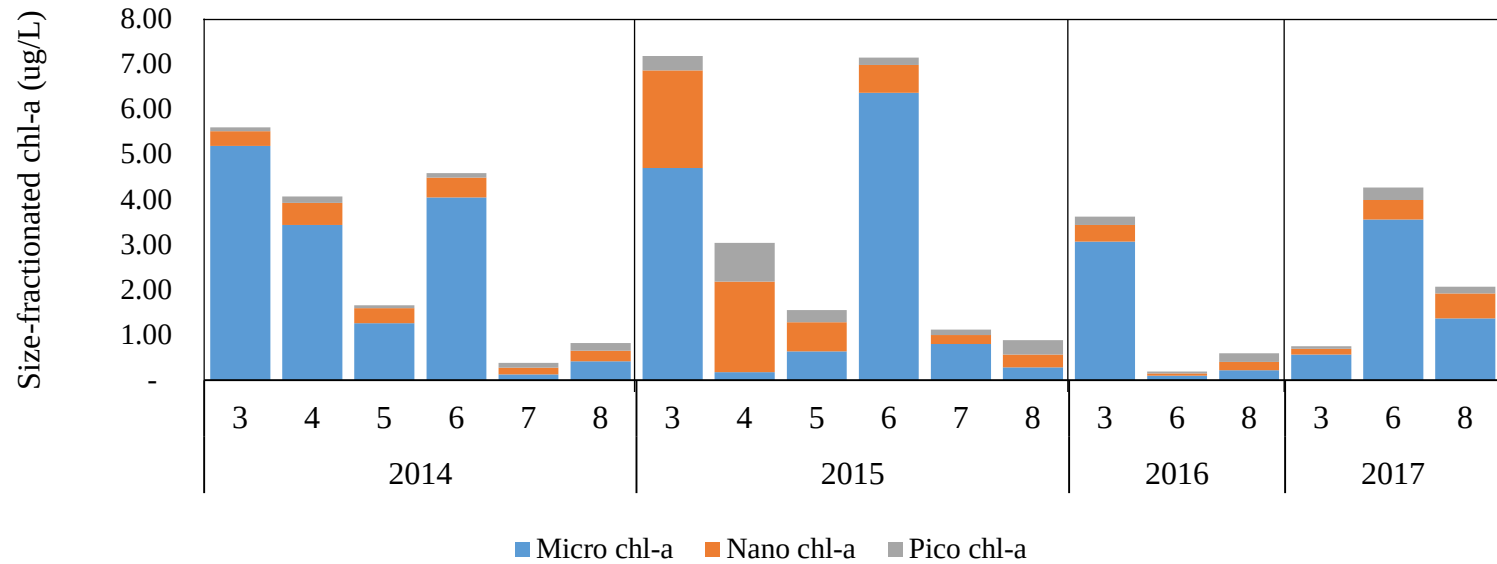


ARA05B (2014)**ARA05B (2014)****ARA05B (2014)****ARA06B (2015)****ARA06B (2015)****ARA06B (2015)****ARA07B (2016)****ARA07B (2016)****ARA07B (2016)****ARA08B (2017)****ARA08B (2017)****ARA08B (2017)**

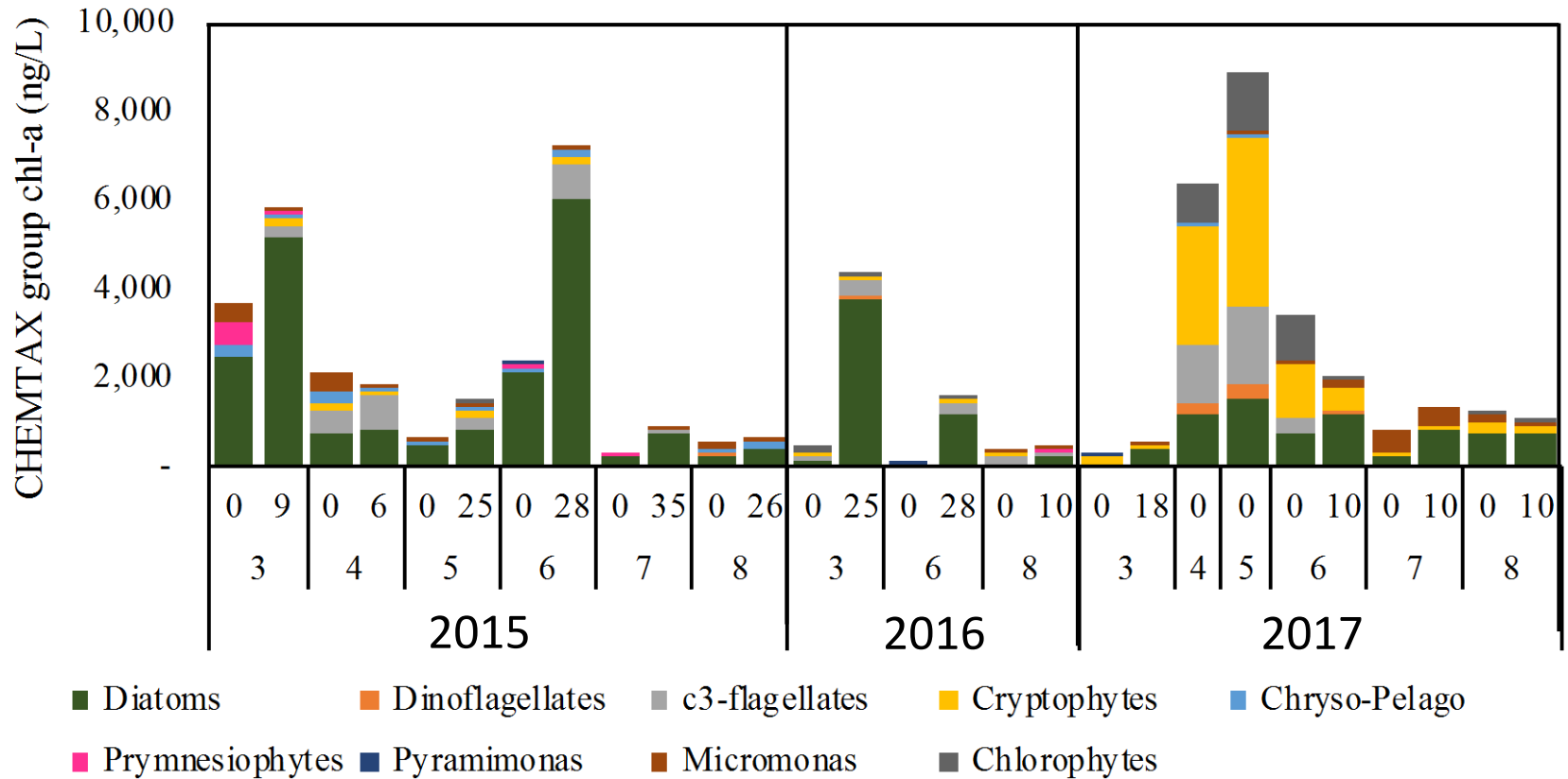
Results observed in DBO3 in 2017



Chlorophyll-a in DBO3 in 2014-2017



Phytoplankton taxonomic composition (CHEMTAX)



Zooplankton in DBO3 in 2014-2017

