

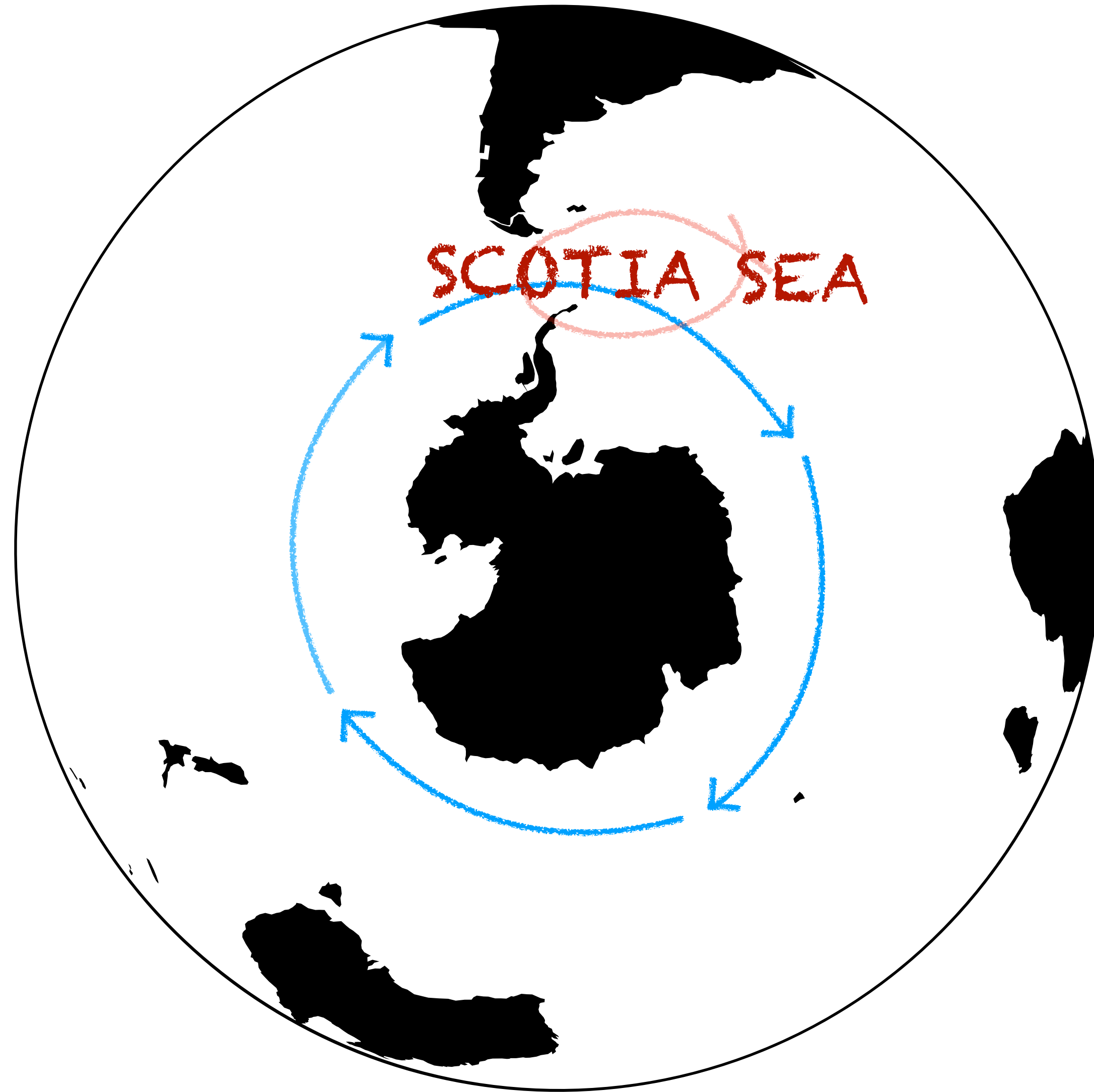
# Microbial abundances across the Scotia Sea

Mireia Mestre\*, Juan Höfer, Bjørn Krafft, Camila Fernandez

\*mireia.mestre.martin@gmail.com  
@Mestre\_MMM

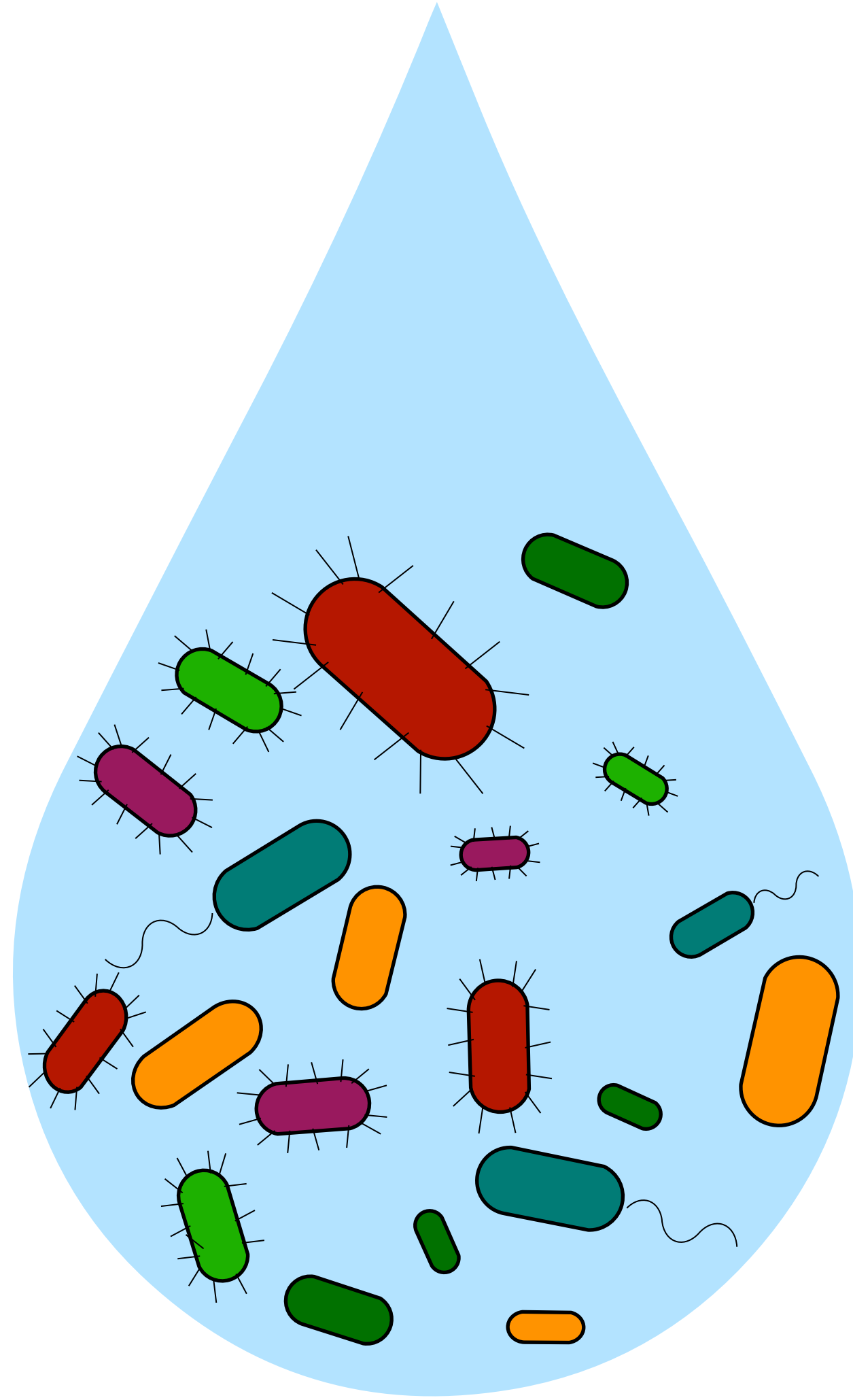


# Where?



Antarctic Circumpolar Current (ACC)

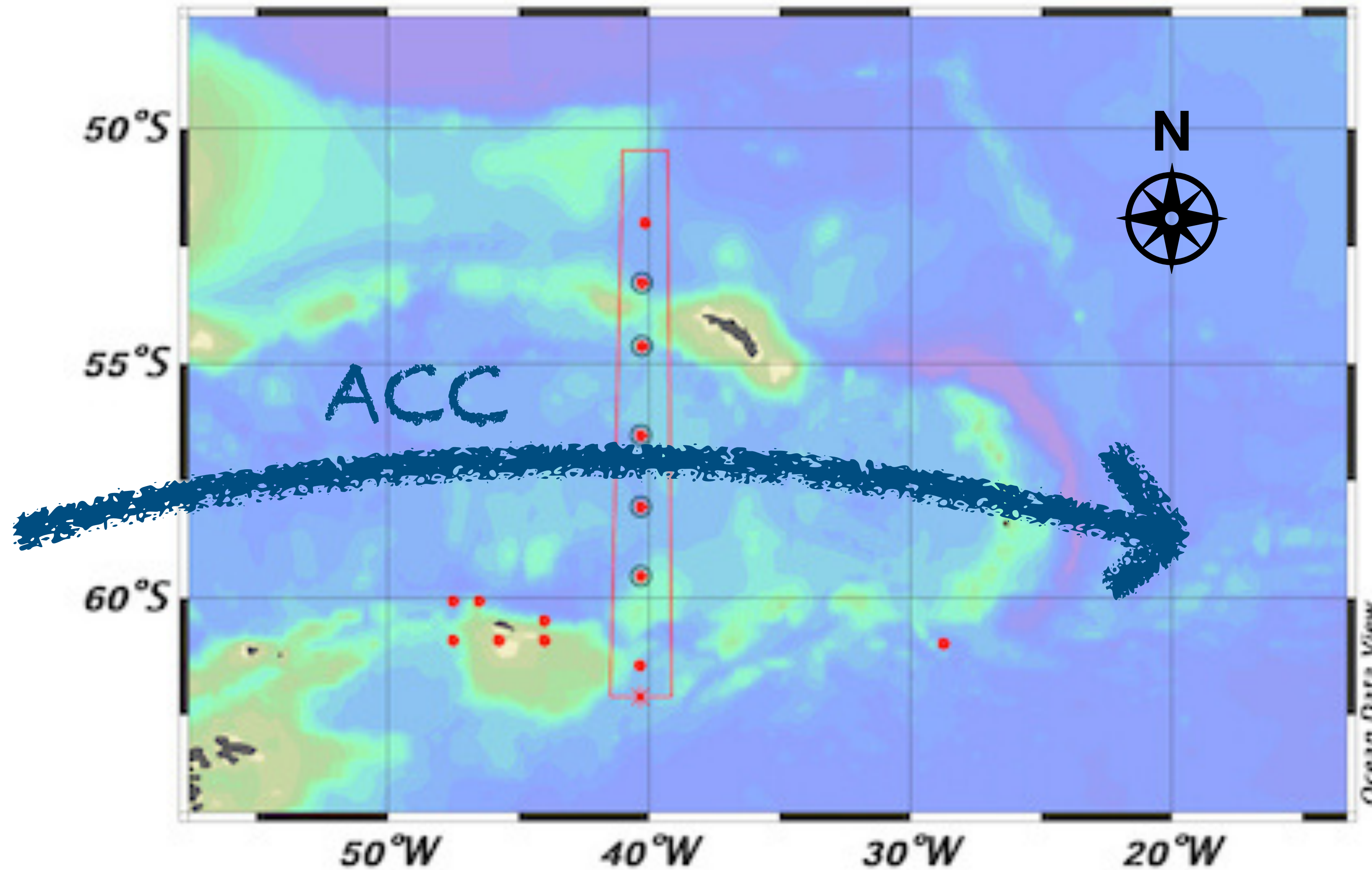
# What?



MICROORGANISMS

# How?

## SCOTIA SEA

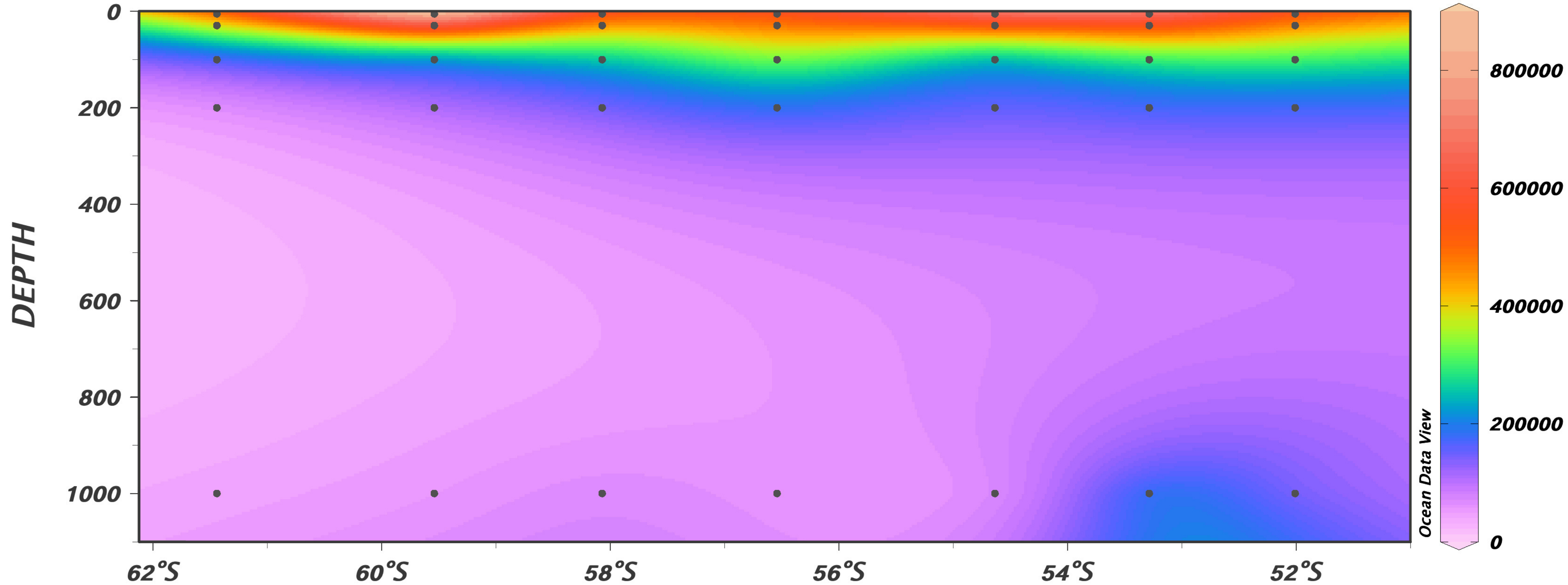
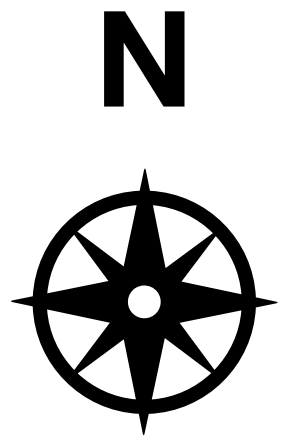


1 Transect

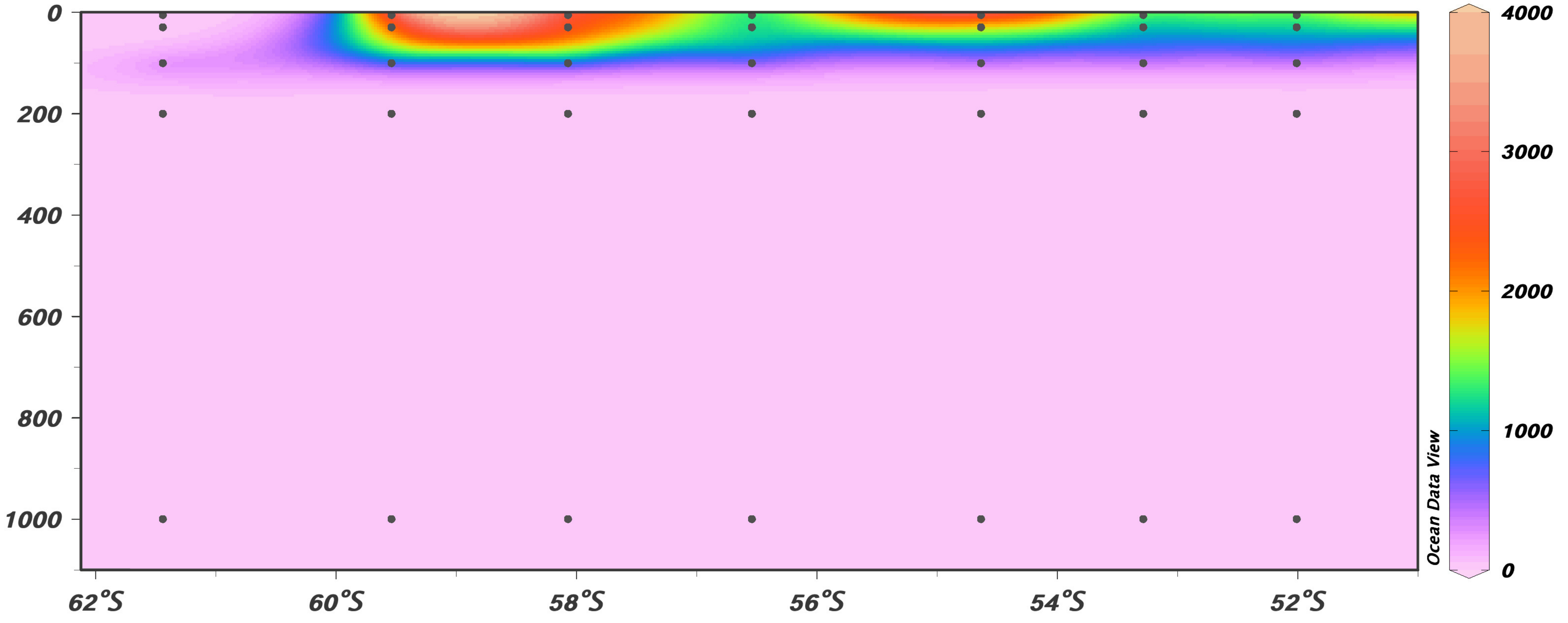
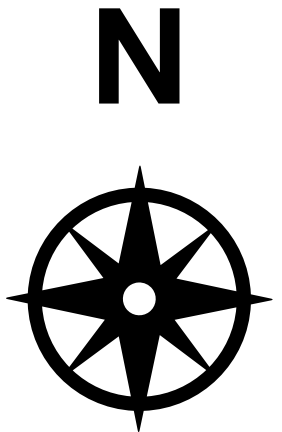
8 stations

4 depths

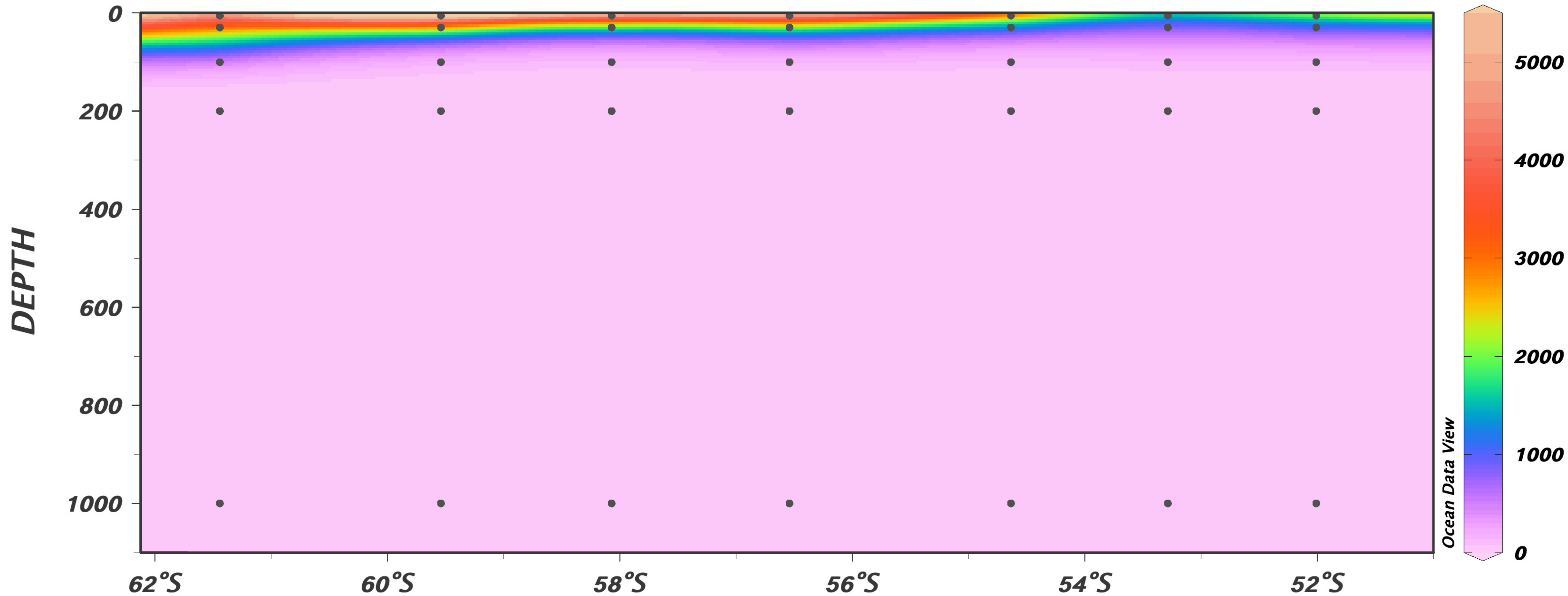
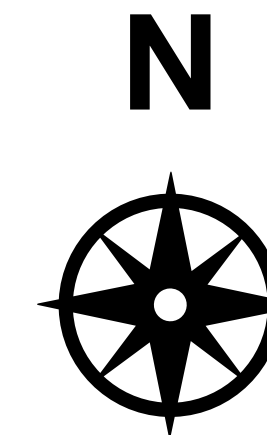
# Bacteria + Archaea (cells/mL)



# Synechococcus (cells/mL)



# Pico-Eukaryotes + Nano-Eukaryotes (cells/mL)



# Average Values

Part of the transect

North

South

Depth

5 m

30 m

100 m

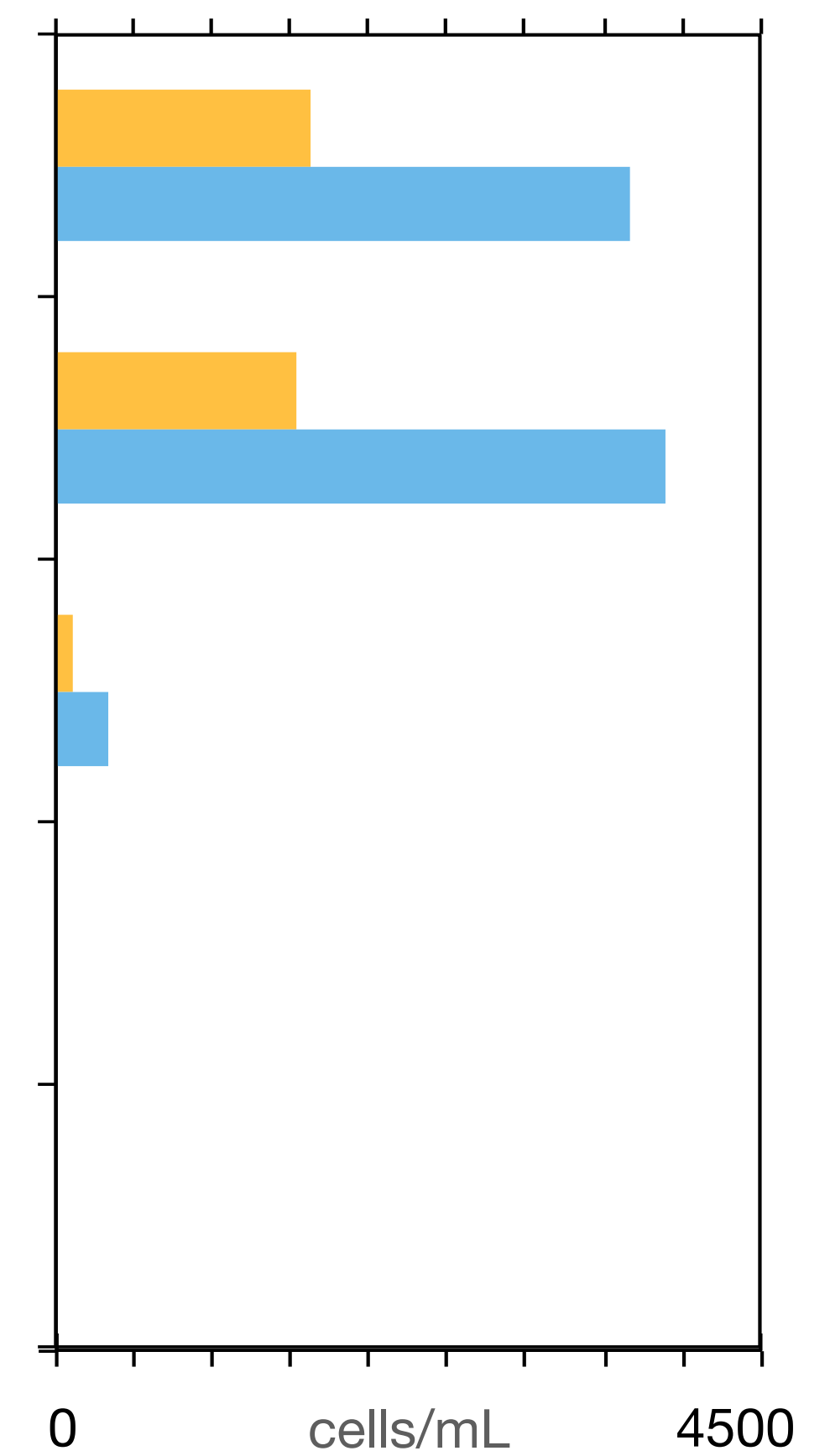
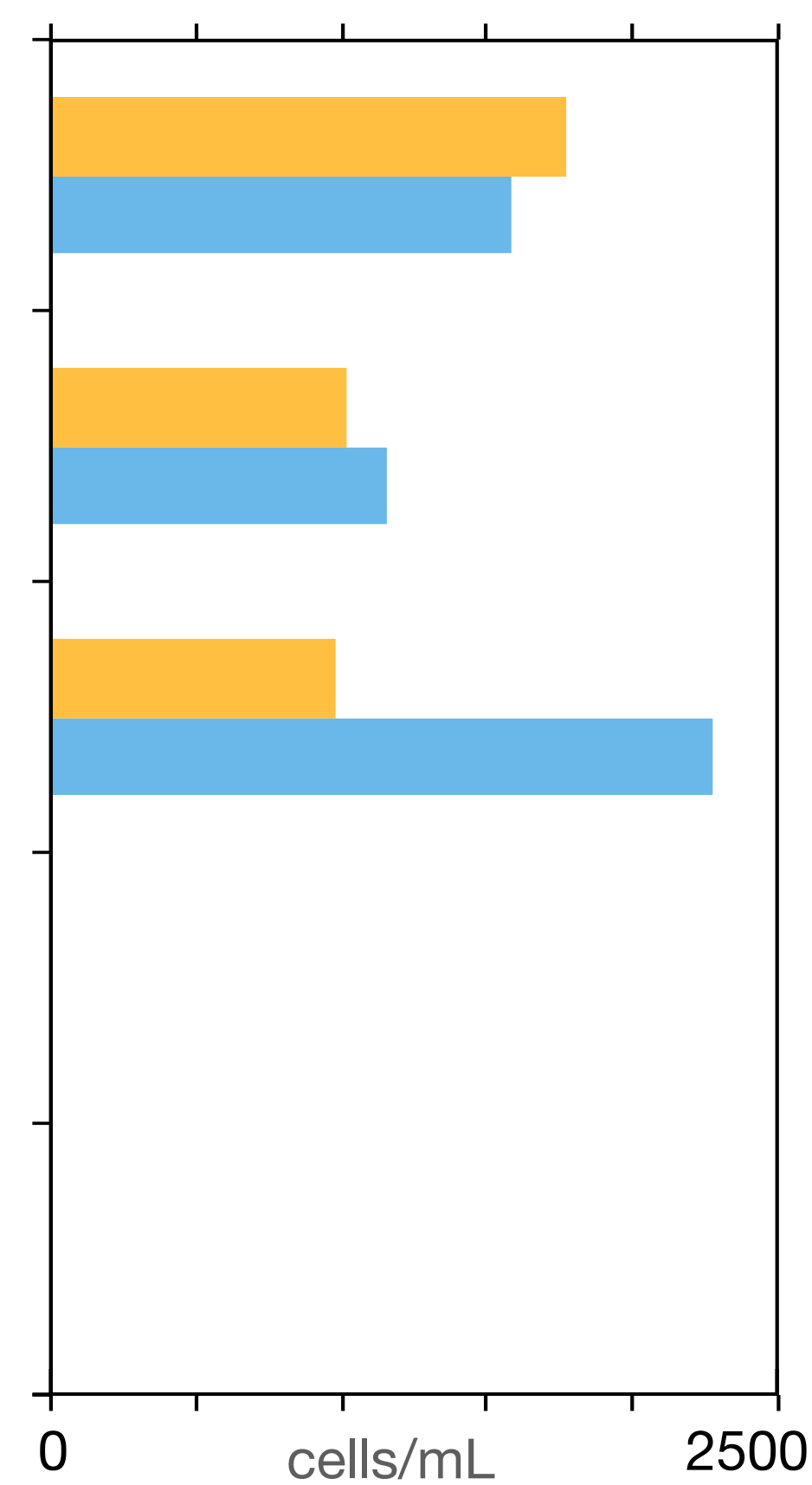
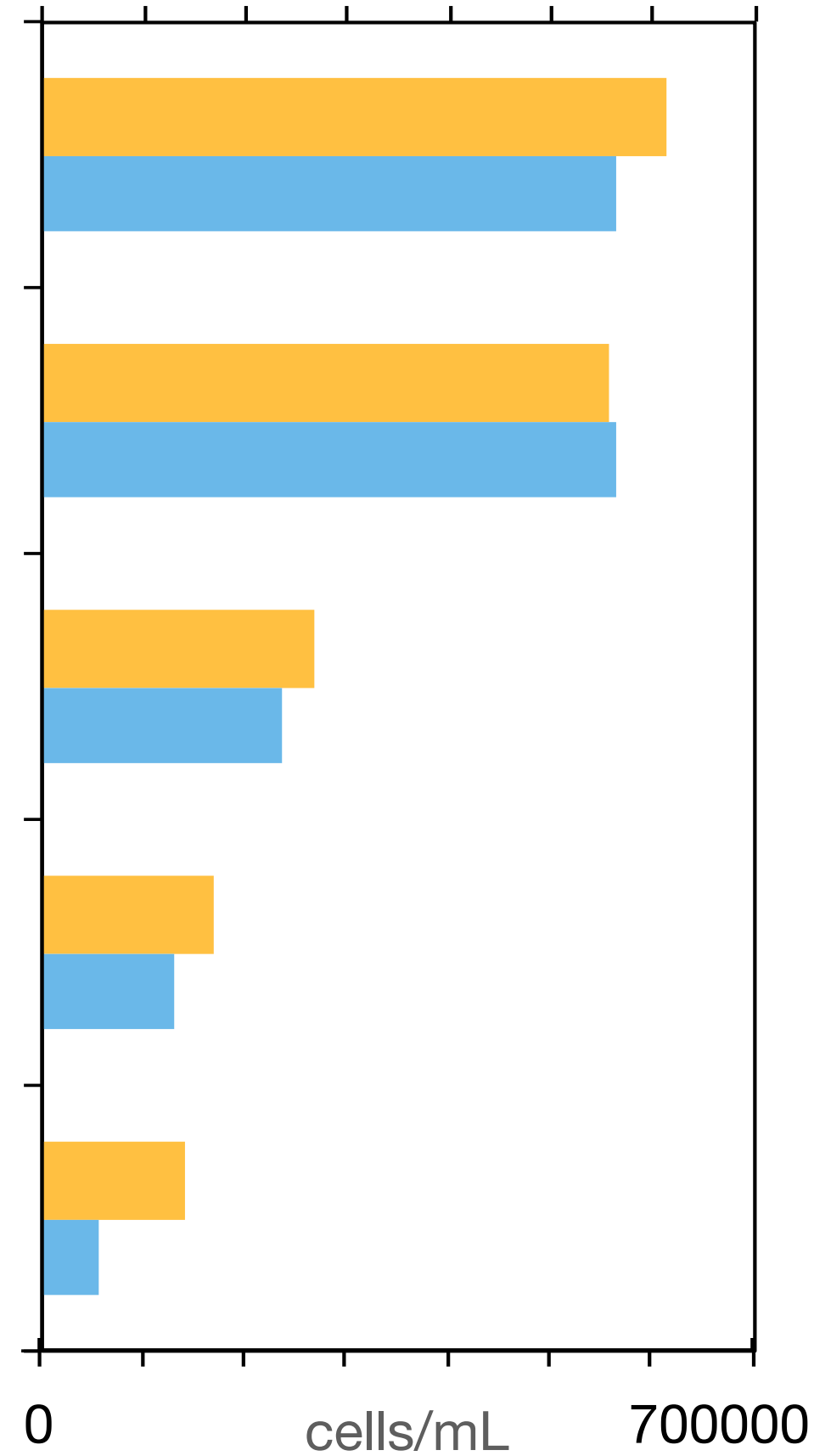
200 m

1000 m

Bacteria +  
Archaea

Synecho-  
coccus

Pico + Nano  
Eukaryotes



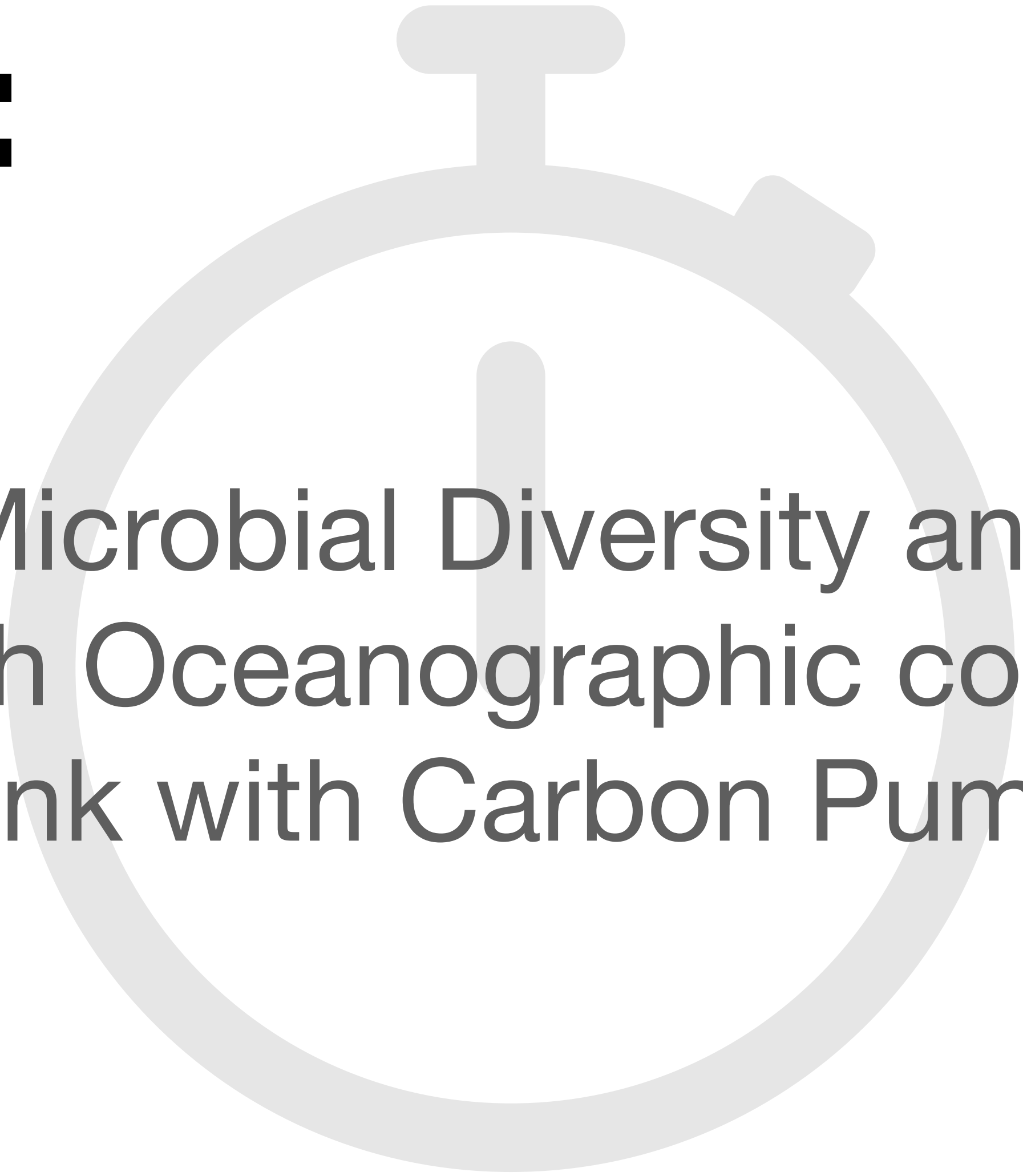
North > South

High at 100m

North < South



# Next Steps:



Describe Microbial Diversity and Function  
Link with Oceanographic conditions  
Link with Carbon Pump

**[mireia.mestre.martin@gmail.com](mailto:mireia.mestre.martin@gmail.com)**

**@Mestre\_MMM**