

Malina

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Abstract.

1 Introduction

2 Figures

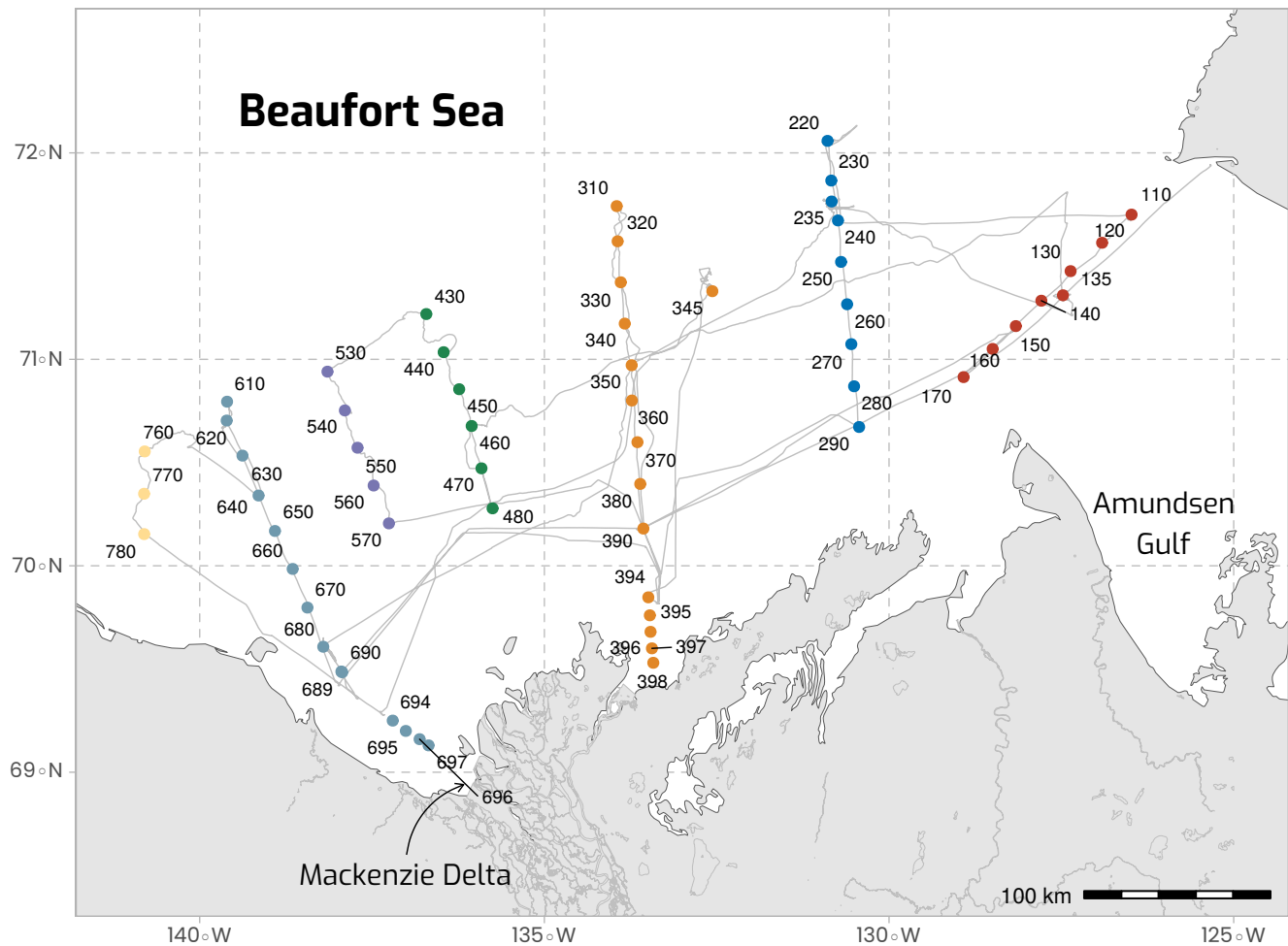


Figure 1. Localisations of the sampling sites visited during the Malina 2009 campaign. The colors of the dots represent the seven transects visited during the mission whereas the light gray line shows the ship-track of the Canadian research icebreaking CCGS Amundsen.

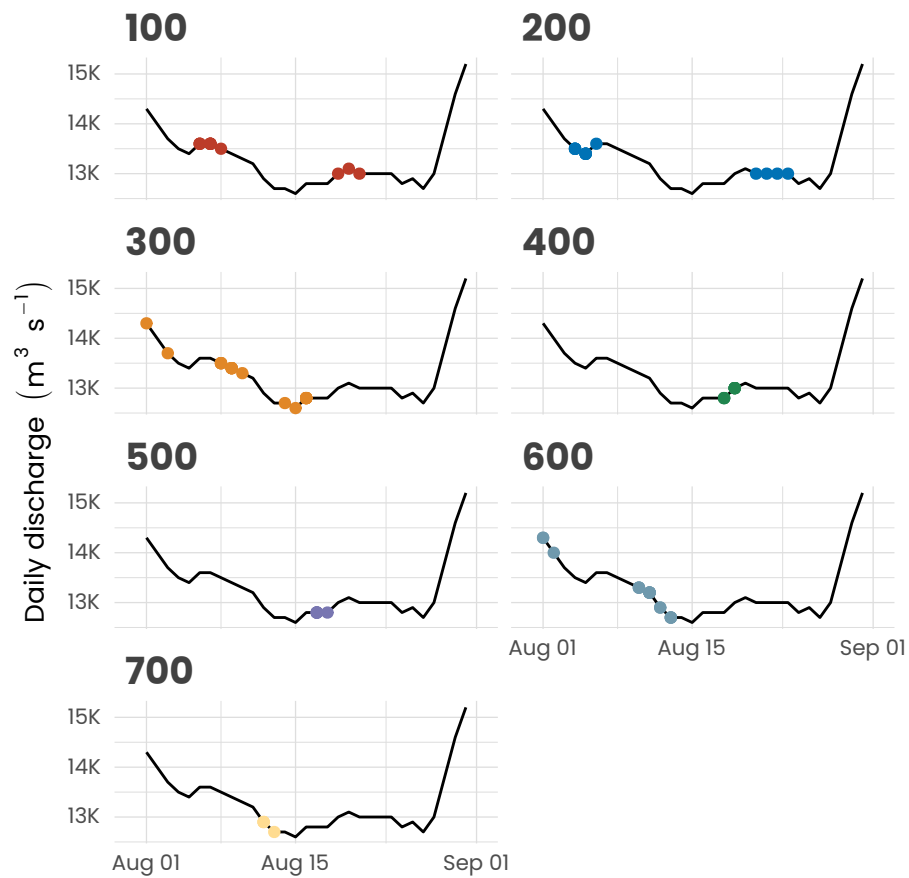


Figure 2. Daily discharge of the Mackenzie river at the Arctic Red River junction (station 10LC014). Bold numbers on top of each panel correspond to the transect numbers.

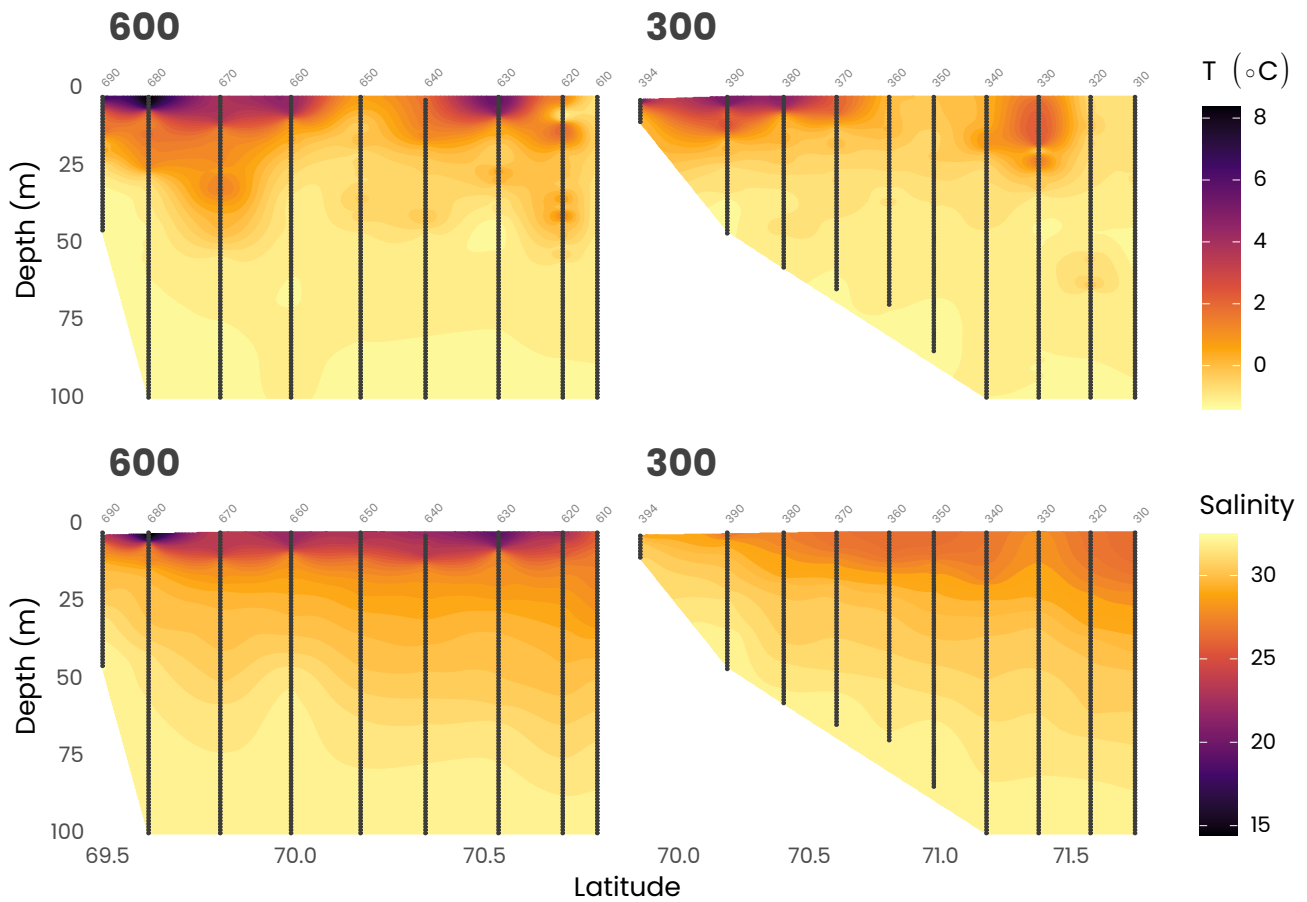


Figure 3. Latitudinal cross-sections of temperature and salinity measured by the CTD (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

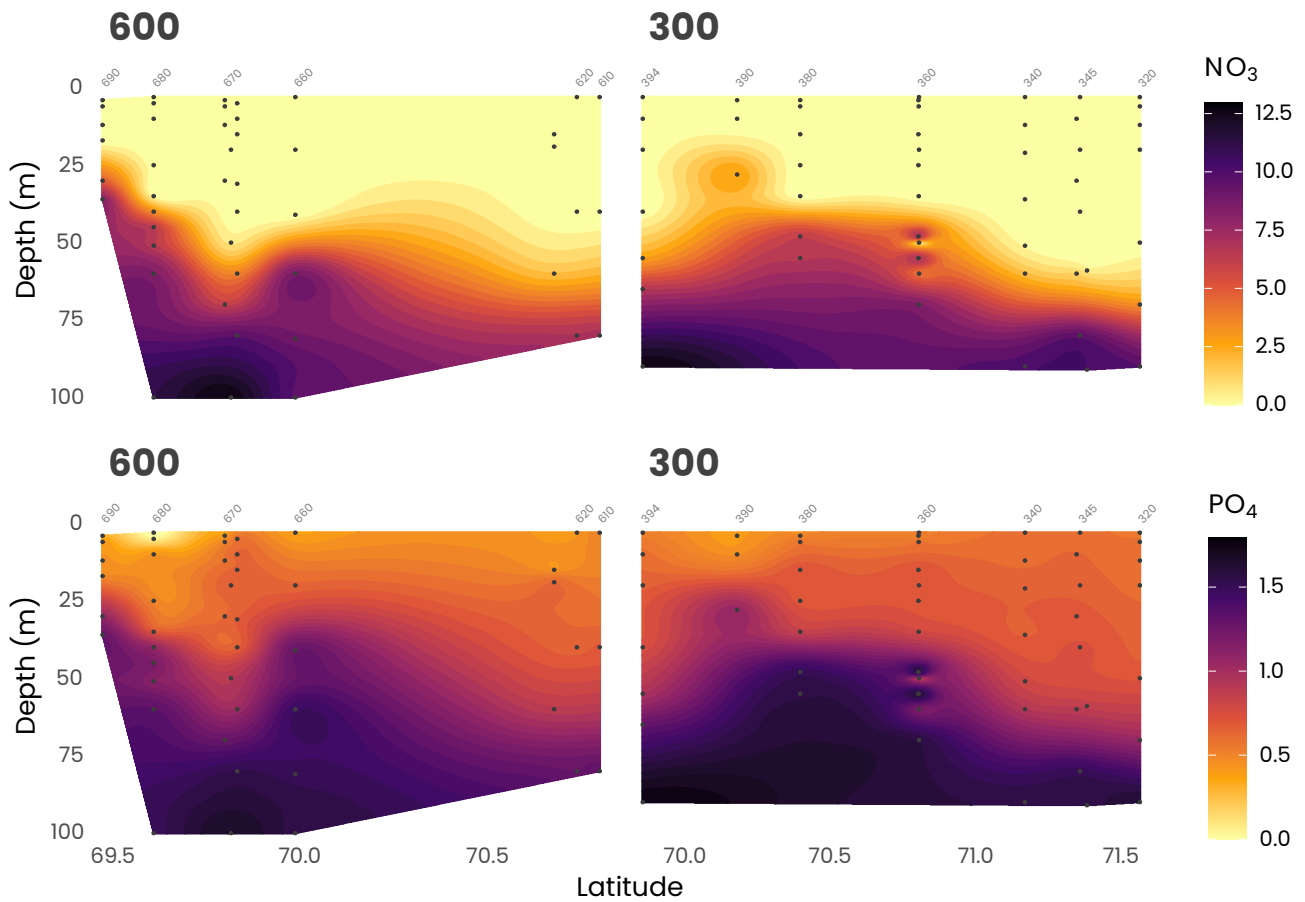


Figure 4. Latitudinal cross-sections of NO_3^- and PO_4^{3-} measured from niskin bottles (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

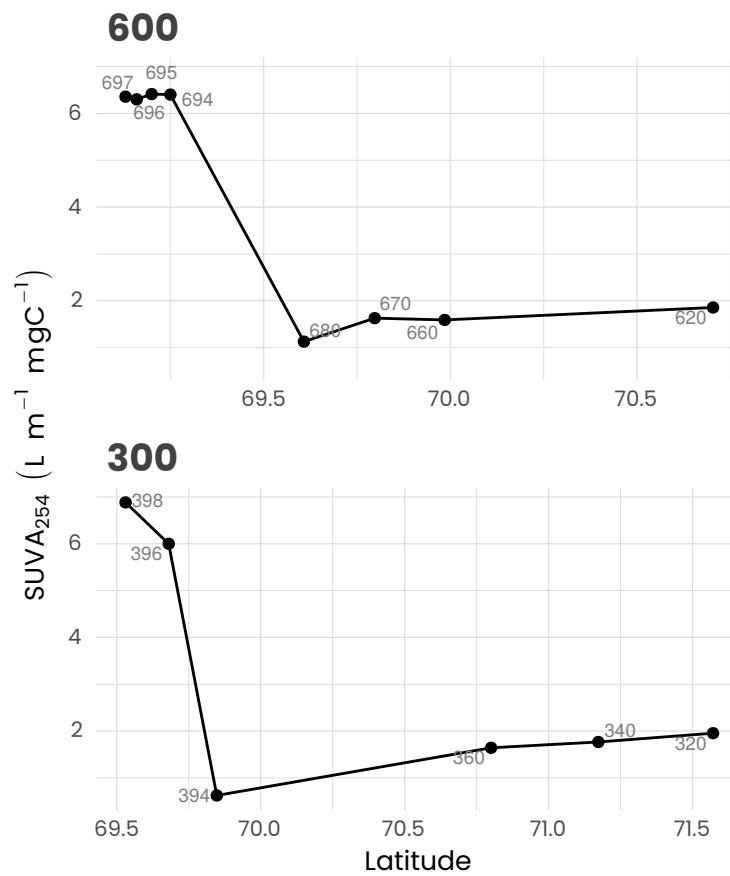


Figure 5. Specific UV absorbance at 254 nm (SUVA₂₅₄, i.e. absorption of light at 254 nm per unit of carbon) at surface for stations (identified in light gray next to each point) along transects 600 and 300 (bold numbers on top of each panel).

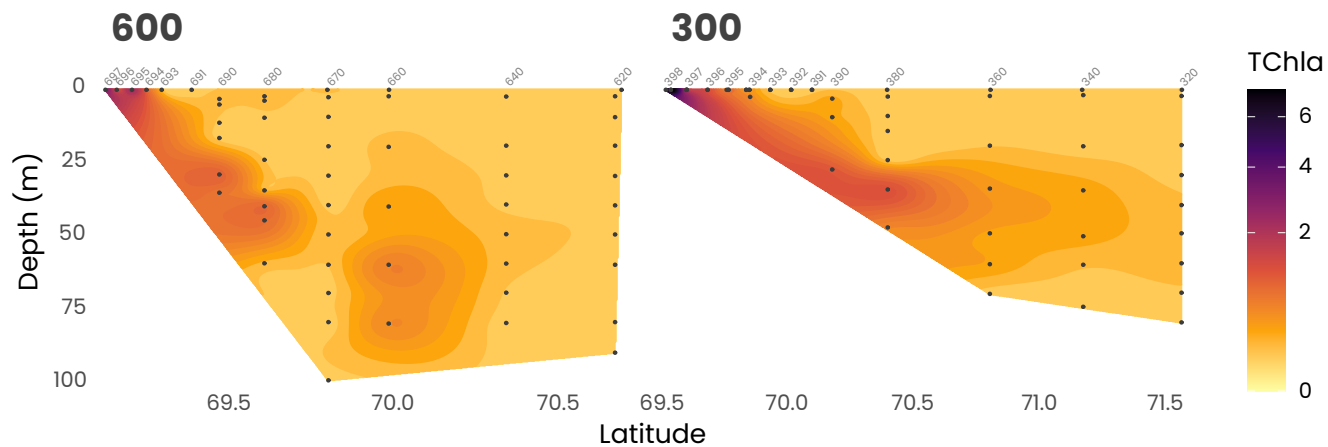


Figure 6. Latitudinal cross-sections of total chlorophyll-a measured from HPLC (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

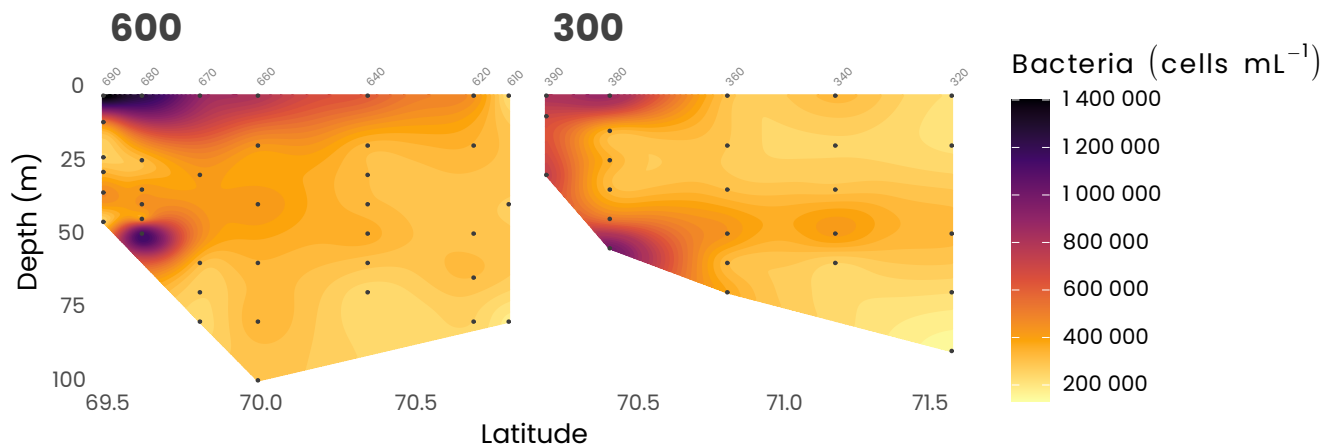


Figure 7. Latitudinal cross-sections of bacterial abundance measured from flow cytometry (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

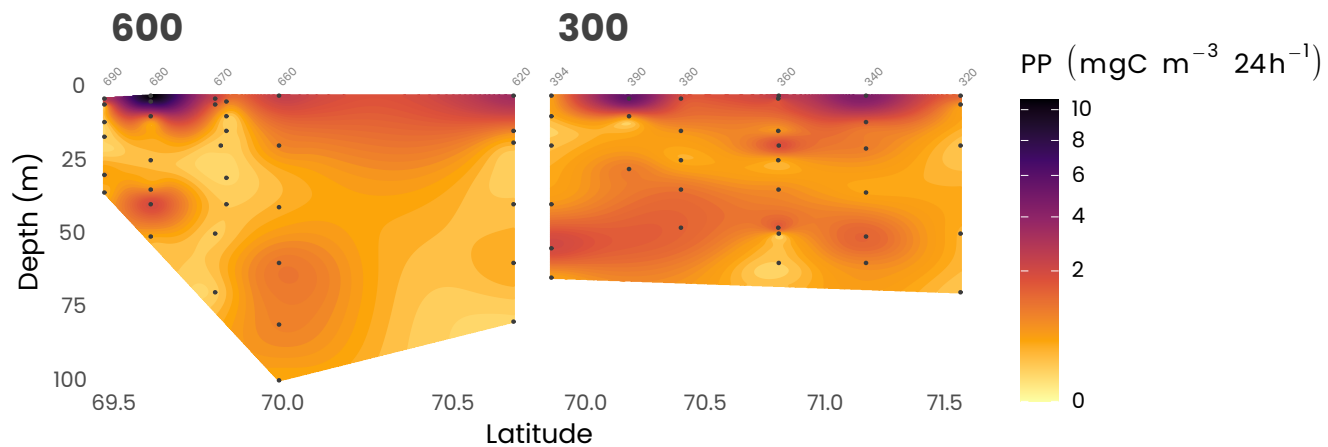


Figure 8. Latitudinal cross-sections of primary production measured from xxx (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

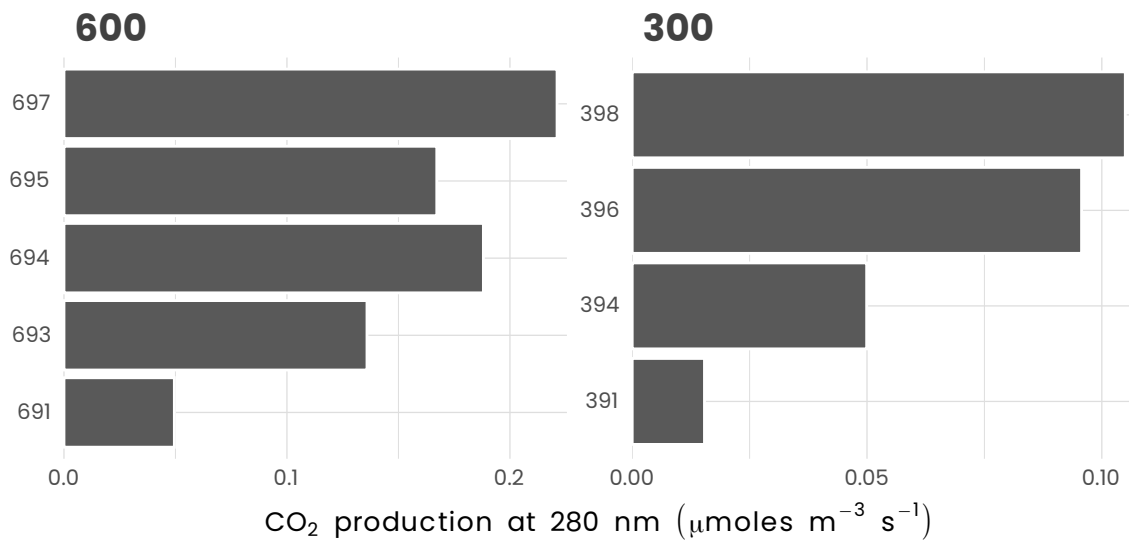


Figure 9. CO₂ production measured at 280 nm at surface for stations of transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on the left side of each bar.

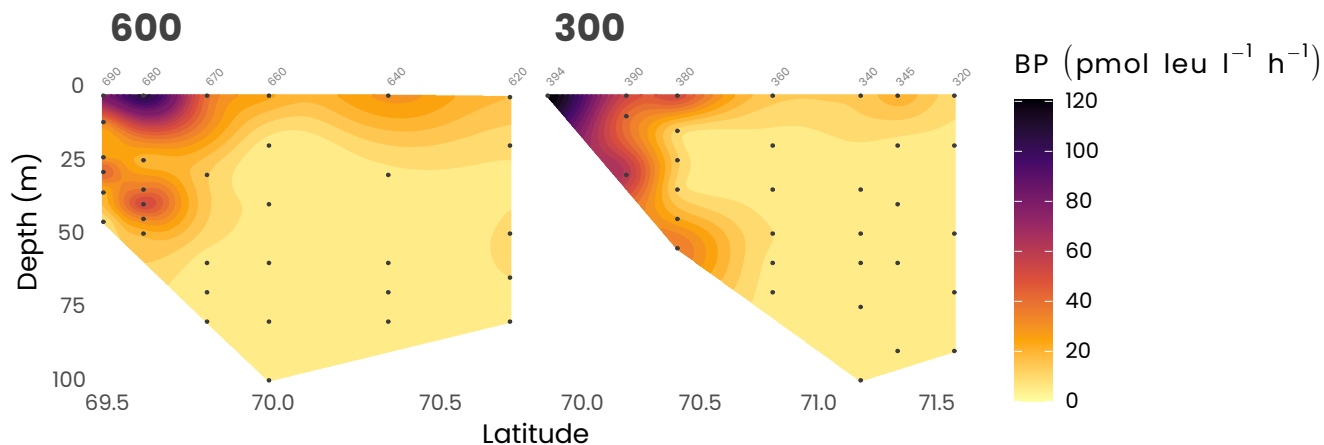


Figure 10. Latitudinal cross-sections of bacterial production measured from XXX (black dots) in transects 600 and 300 (bold numbers on top of each panel). Station numbers are identified in light gray on top of each panel.

3 Code and data availability

5 TODO

Author contributions.

Competing interests. The authors declare no competing interests.

Acknowledgements. xxxx