

Laruelle et al. 2014	-0.33 ± 0.25
Laruelle et al. 2015	-0.25 ± 0.08
Shadwick et al. 2011	$+1.42 \pm 0.28$

- observations
- 3-hourly ECMWF ERA-Interim
- atmospheric forcing
- 12 major rivers
- tides
- no ice

Fig. 1: Map of Atlantic Canada outlining the model domain. The red star indicates the location of STN 2

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Model-data assessment of Scotian Shelf carbon dynamics: A spatially varied and biologically active system

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Summary
- Scaling up on processes are p
- Our model he

e station does not explain the entire Scotian Shelf since both biological and transport playing important roles in Scotian Shelf carbon dynamics.

lps to interpret observations and mechanistically understand the pCO2 dynamics.

- Next steps will investigate into the more persistent spatial variability observed throughout the year.