

# Measurements of air-sea gas transfer in the Arctic Ocean during IPY

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During the 2007-2008 IPY cruise of the CCGS Amundsen, over 12 months of data were obtained in the Arctic Ocean. Our data set was collected when the ice coverage was at its minimum, through the following summer and includes stations in: Baffin Bay, Northwest Passages, Amundsen Gulf and Beaufort Sea.

Our work aims to test existing parameterizations of gas transfer in the Arctic, with the goal of estimating these fluxes using satellite measurements as in Bogucki *et al.* (2010). Here we present preliminary data from this effort, and discuss the challenges of performing such measurements in the Arctic.

## References

Bogucki, D. and Carr M.-E, and, Drennan, W. and Woiceshyn, P. and Schmeltz, M. and Hara, T. Preliminary and novel estimates of CO<sub>2</sub> gas transfer using satellite scatterometer during the 2001GasEx, in *International Journal of Remote Sensing*, in press.