



## **Volume, heat and freshwater transports across the OSNAP array**

Feili Li, Susan Lozier, and the OSNAP Observations Team

Duke University, Earth and Ocean Sciences, Durham, United States (feili.li@duke.edu)

The OSNAP (Overturning in the Subpolar North Atlantic Program) array was deployed in 2014 as a major international effort to measure the circulation, and the associated fluxes of heat and freshwater, over the full depth and width of a trans-basin section across the subpolar North Atlantic. The full array consists of 53 moorings stretching from Labrador, Canada via Greenland to Scotland. The first 21-month data set provides the first continuous time series of the overturning volume, heat, and freshwater transports across the full array as well as across the West (Labrador Sea) and East (Greenland to Scotland) sub-sections. In addition to these variables, comparisons between these two sub-sections will be presented with the main focus on the characteristics of the heat and freshwater transports.