

Gyre scale deep convection in the subpolar North Atlantic Ocean during winter 2014-2015

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Introduction

The supporting information provides map of air temperature anomaly and sea ice extent for Winter 2014-2015. It also shows the temperature evolution at 700m in the Labrador Sea, South of Cape Farewell and Irminger Sea in September 2013, 2014 and 2015.

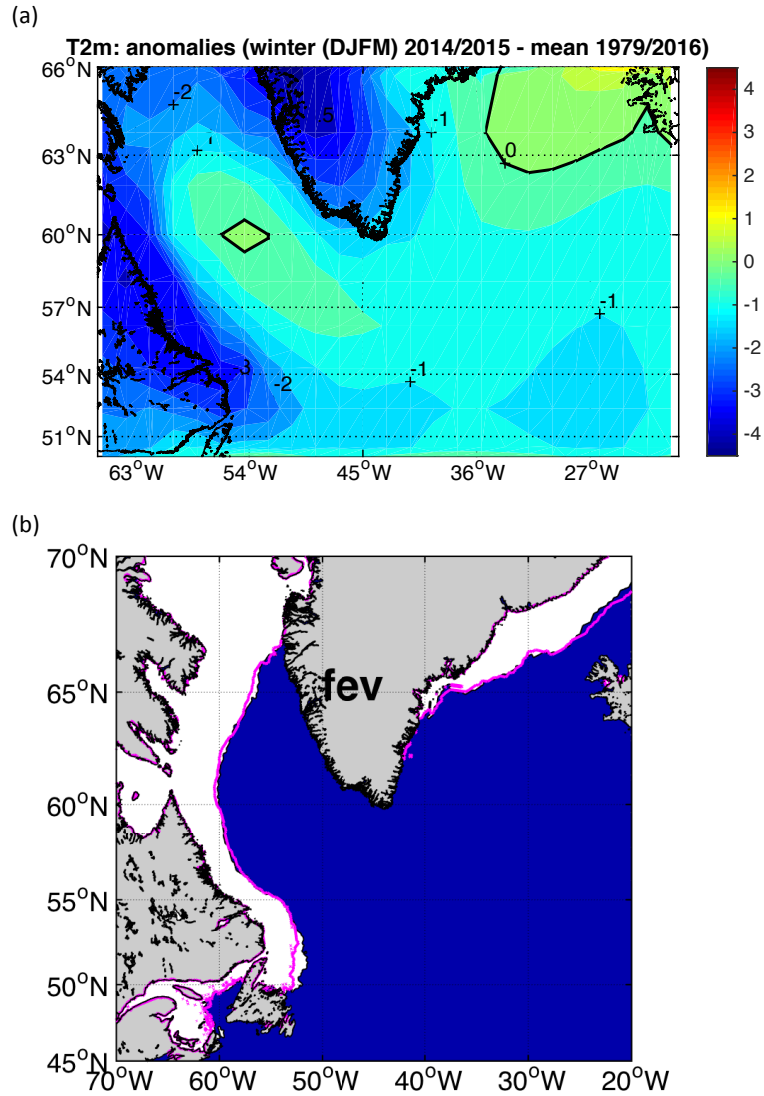


Figure S1. (a) Air temperature (2m) anomaly referring to the period 1979-2016. (b) Sea ice extent in February 2015 (white area) and median extent for that month calculated using a 30-year reference period of 1981 through 2010.

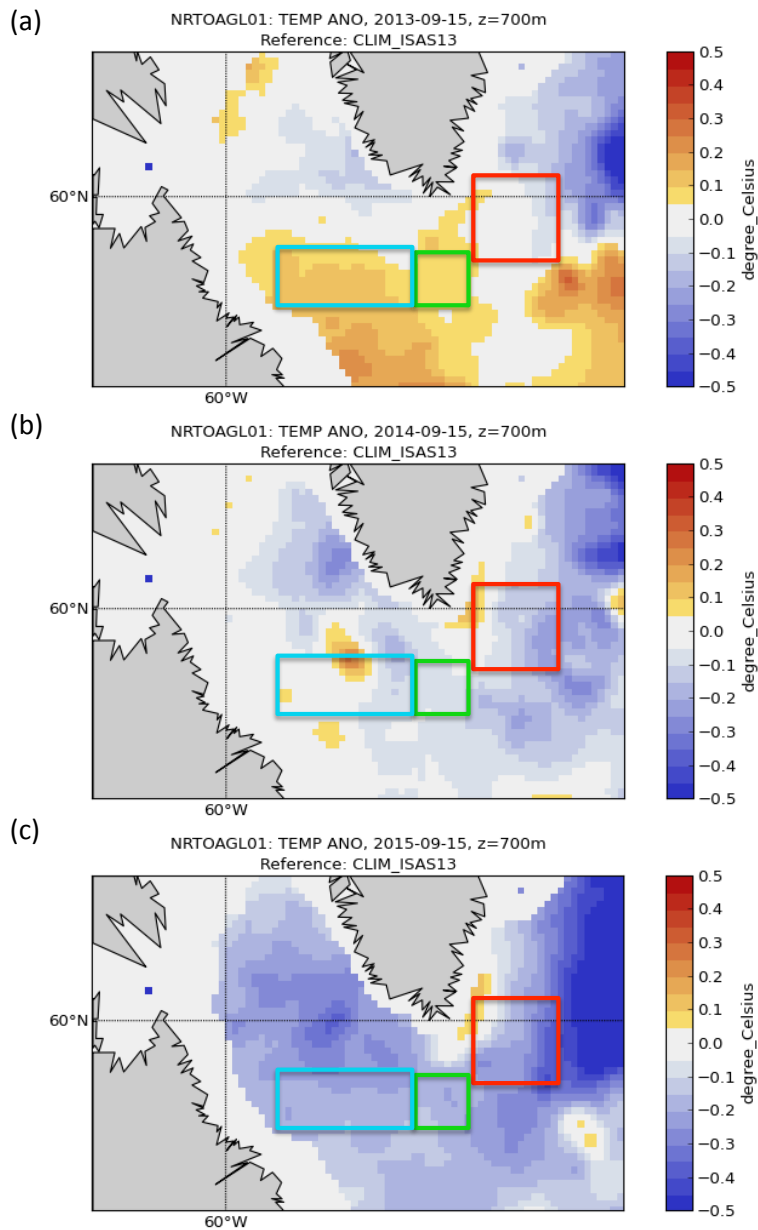


Figure S2. Potential temperature anomalies at 700m in September 2013 (a), 2014 (b) and 2015 (c) provided by the In situ Analysis System (ISAS) that provides gridded fields of temperature and salinity [Gaillard et al., 2016]. ISAS fields are mainly based on Argo data. Anomalies are computed relative to September mean temperature computed for the period 2002-2012.