

Supporting Information for “Physical and Unphysical Causes of Nonstationarity in the Relationship between Barents-Kara Sea Ice and the North Atlantic Oscillation”

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1. Figures S1, S2 and S3.

Introduction

Some figures supporting the main text. See main text for all methodological details.

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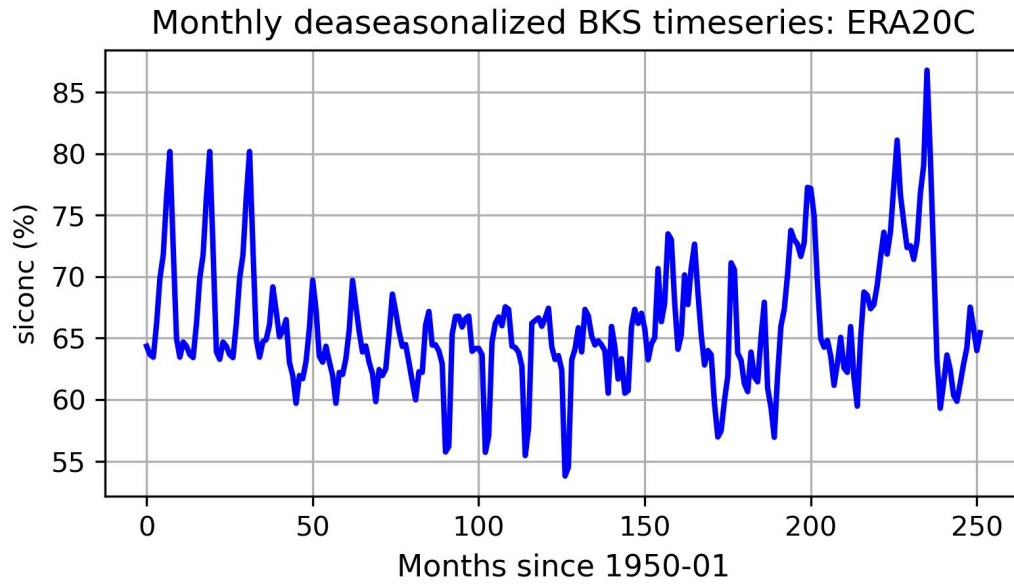


Figure S1. Monthly timeseries of BKS sea ice in ERA20C over the period 1950-1970. A seasonal cycle has been fitted to the data and subtracted.

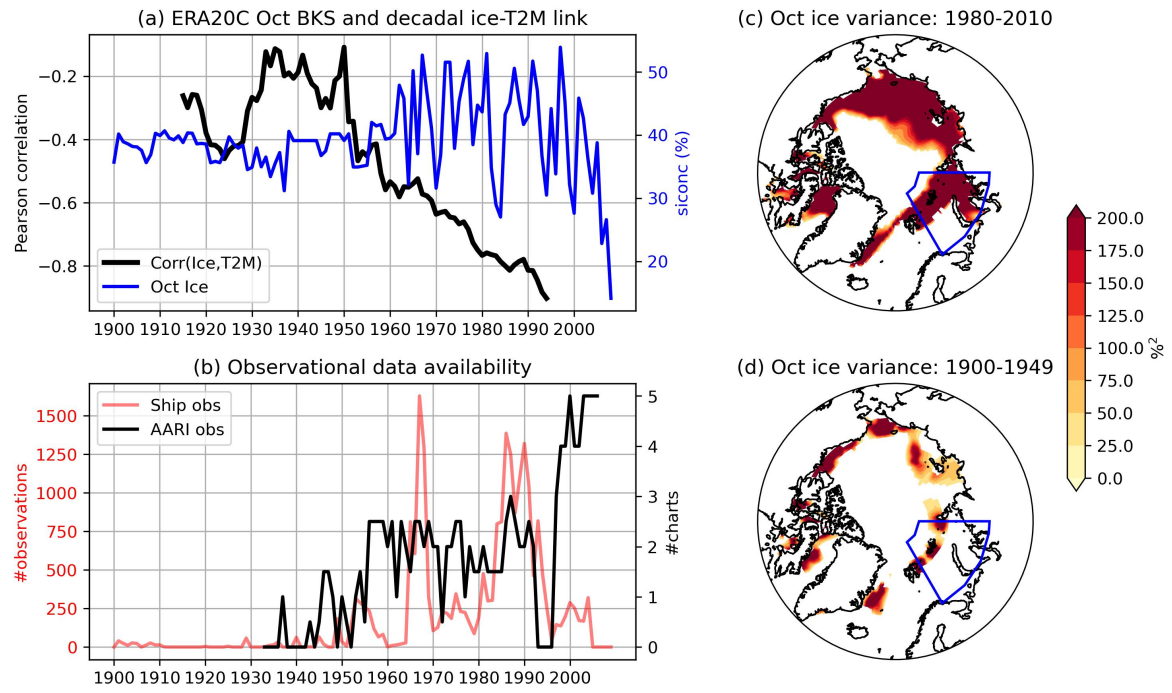


Figure S2. As in Figure 1, but using October rather than November.

ERA20C NAO-Ice corrs: 1950-1985

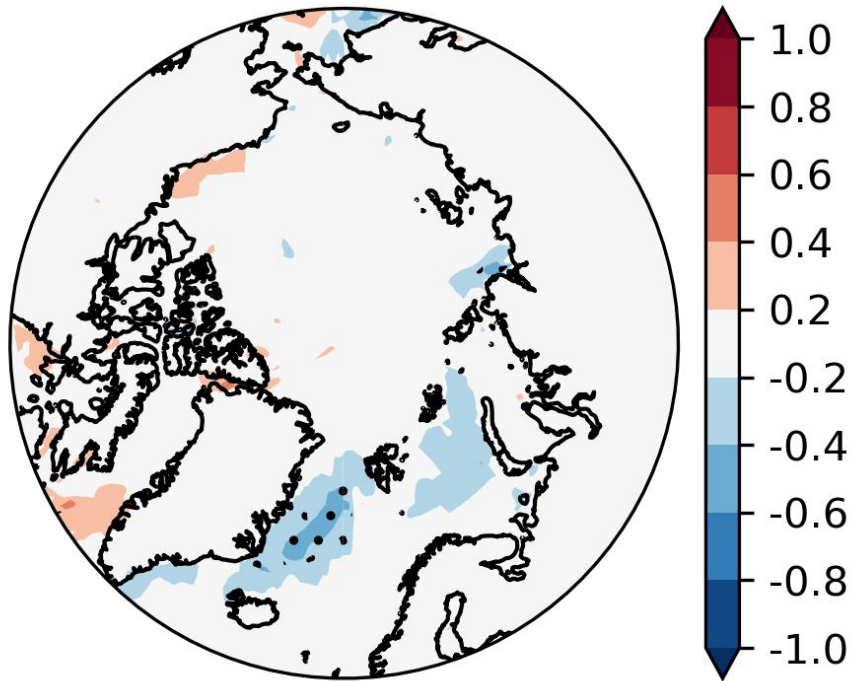


Figure S3. Correlations in ERA20C between the DJF NAO timeseries and November sea ice concentration at each gridpoint. Each gridpoint is detrended prior to the computation of the correlation. The period covered is 1950-1985. Stippling indicates significance ($p < 0.05$) with respect to a null hypothesis modelling the NAO as a normal distribution and sea ice as an AR1 process (see Methods).