

Review for

Documenting the 2015-2017 freshening of the eastern Eurasian Basin of the Arctic Ocean and evaluating its drivers and consequences

by Dolly More, Igor V. Polyakov and Andrey V. Pnyushkov

General comments:

I thank the authors for addressing most comments in their response and revised manuscript. The description of the freshening event and the link to its possible drivers is now clear, and documenting this event is interesting. I only have a few minor comments to further improve the manuscript.

Specific comments:

I.16 and I.251: I would moderate “extreme” to “important” or significant”.

Figure 9: Could you please choose a colormap that better shows where anomalies are positive or negative? Something like blue for freshening, white when the anomaly is 0 and red for salinity increase for example? Please also add the unit to the colorbar.

Technical corrections:

I. 34: there is a typo in “IPCC, 2021” and in the reference section.

I. 262: “... a strong seasonal cycle ...”

I. 553: replace “is aligns” with “aligns” or “is aligned”.