

Interactive comment on “Assessment of variability of the thermohaline structure and transport of Atlantic water in the Arctic Ocean based on NABOS CTD data” by N. Zhurbas and N. Kuzmina

Ilker Fer (Editor)

ilker.fer@uib.no

Received and published: 8 July 2019

Dear Nataliya,

Thank you for your efforts in analysing an extensive and useful data set. The synthesis will be of interest to the Ocean Science readers, but major revisions are needed.

The write-up needs substantial improvement. Please make an effort to improve the narrative. I attach a marked-up version with some comments you could consider (material to avoid, move, restructure etc.).

Regarding the analysis, I find it crucial to include a careful error estimate for the

C1

geostrophic volume transport analysis, and a better discussion on the barotropic contribution.

Thanks, Ilker

Please also note the supplement to this comment:

<https://www.ocean-sci-discuss.net/os-2019-54/os-2019-54-EC1-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2019-54>, 2019.

C2