

Kiel December 30, 2020

Dear Editor,

I apologize that I did not upload the track-changes file in the previous submission.

Note that there are a few modifications to the file I uploaded on December 8, I did change the reference to figures in the supplementary material to be "Figure S1" etc. and I added a reference to a data file that we would like to add as a supplementary material. (The new file with those additions, but without track changes is also uploaded.

The data file has been requested from a few colleges that are aware of this submission, and will be a file of the GLODAPv2 Atlantic data with the water mass fractions of the water masses we discuss in this paper. We think that this will be a useful complement to this article.

In addition, I found that by mistake Figure S1 was already present as a figure in the main body of the article, so I removed that and renumbered the figures accordingly.

The first author of the paper, Mian Liu, is currently on a long sea going expedition that have made exchange of information and sending of figures complicated and slow.

With best regards,
Toste Tanhua