

Reply to second review by reviewer 2:

I thank the authors for considering my comments. I think the paper is ready for publication.

I have just one minor suggestion on my point 6 of the previous review:

6) line 328 ...with the magnitude of AMOC variability. Whether or not we correct for possible lead-lag relationships within the system has only a minor impact on these results.

I think the stop after 'variability' should be replaced by a comma.

We prefer to keep the sentence as it is. This is because this particular line about the impact of lead-lag relationships, not only applies to the line directly before, but to all three lines before. We think this is more clearly reflected by keeping the full stop.

I think the sentence is even in that case not formulated in proper English, but I guess that in that case the editing services will pick it up. I would rather write ...' This happens whether or not we correct...'

We thank the reviewer for pointing this out and we have changed it accordingly.