

## Reply on Editor

Dear Editor:

Thanks very much for your kind work and consideration on publication of our paper. On behalf of my co-authors, we would like to express our great gratitude to editor and reviewers.

As requested, there is a minor modification in the latest manuscript. The link in section Code and data availability has been replaced with a DOI link, and the content remains unchanged. If you have any problems about the modification, please don't hesitate to contact us.

*“Simulated data, Argo temperature data and codes used in the study are available at <https://doi.org/10.6084/m9.figshare.18739571.v1>.”*