

## Point-by-point response

We thank both reviewers and the Editor for their constructive comments. Below we address the final points raised by the editor.

\*Obtain a doi for the data repository page where the data associated with this study will be archived, and add this to the data availability section of your paper

Answer: We have submitted the data to the NOAA database, yet did not receive a doi yet.

\*Remove the two test references from the start of the reference list

Answer: Done.

\*Have a thorough review of figures, ensuring consistency in style and legible labels considering the sizing of figures in the final publication.

Answer: We have checked all figures to have consistent font styles and labels.

\*I also feel that there are too many figures, many with multiple panels so that it is difficult for readers to get a clear understanding of your main findings. Please consider which figures are necessary for the main text, and which are better placed in the supplementary material (I would suggest figures 5, 7, 8, 9 might be better placed in the supplement). There may also be supplementary figures that are superfluous, but i will leave it for you to decide if all are necessary

Answer: We have moved Figures 5 (now Fig. S8) and 8 (now Fig. S11) into Supplements to reduce the number of figures in the main manuscript file. We have not changed the other Supplementary Figures as we see them as important.

\*Please invert the y-axis on panel c of figure 2, so that there is consistency across all of your figures in the up-down direction for d18osw/SSS.

Answer: Done.