

L151: please rephrase: “In this section, we focus on the Ross Sea (RS), the Bellingshausen Sea (BAS), the Amundsen Sea, the Weddell Sea (WS), and the Indian Ocean (IO) and the Pacific Ocean (PO) regions. The latitudinal ranges of these regions are illustrated in Figure2 a, c, e, g.”

L157: please rephrase: “...the area of RS fast ice is relatively small”.

Thank you very much for your revision suggestions. I have rephrased the revised draft according to your advice.

L166: “overall high spatial variability” is a repetition of “large-amplitude variability”, please keep only one of these expressions.

I sincerely apologize for the technical error here and greatly appreciate your correction. I have already made adjustments in the revised manuscript.