

**Response to the review of "Ephemeral grounding on the Pine Island Ice Shelf,
West Antarctica, from 2014 to 2023," submitted to The Cryosphere.**

Editor:

We sincerely thank Editor for the review and feedbacks. In this document, we provide a point-by-point response to two comments. The editor's comments are shown in black, and our responses are shown in blue.

Dear authors,

Many thanks for updating your manuscript. It is now almost ready for publication, pending two changes:

- In the description of Figure 9: "tracks 965 and 1094 that WERE used..."

Response 1: Revised.

- In figure 7c and 2, the numbers of blue and red lines now match. However, they do not line up. For example, fig 7c shows 7 grounding events (3 blue, 4 red) in Dec 2020/Jan 2021, but in fig. 7d, they appear to occur in Nov 2020. Please check your code and ensure the grounding events are plotted on the right date in both figures.

Response 2: Thank you for pointing this out. We checked the code and found out that the axis for Figure 7c was correct and for Figure 7d was incorrect. Thus, we replotted them and corrected this error.

Thanks

Bert

Thanks.