

The Cryosphere Discuss., author comment AC1  
<https://doi.org/10.5194/tc-2021-279-AC1>, 2022  
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## **Reply on RC1**

Younjoo J. Lee et al.

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Author comment on "Causes and evolution of winter polynyas north of Greenland" by  
Younjoo J. Lee et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-279-AC1>,  
2022

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We sincerely thank the reviewer for taking the time to provide helpful comments  
and have addressed them carefully in the revised manuscript.

As the reviewer suggested, the major revision of this manuscript is the expanded analysis  
of observed polynyas including the December period from 1979.

Also, we expanded the analysis of RASM ensembles for the winter months from December  
to March.

Please see attached the pdf files for the detailed responses.

Thank you.

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2021-279/tc-2021-279-AC1-supplement.pdf>