

The Cryosphere Discuss., author comment AC3  
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## **Comment on tc-2021-279**

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-AC3>,  
2022

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Dear Dr. Christian Haas,

Thank you for your comment on ice deformation and thickening during the 2018 polynya period.

In the revised manuscript, since this study more focuses on the development of polynyas, we briefly mentioned the work by von Albedyll et al. (2021) in the discussion, regarding the contribution of dynamic and thermodynamic processes in sea ice thickness change.

Best,

Younjoo