

The Cryosphere Discuss., author comment AC1  
<https://doi.org/10.5194/tc-2021-147-AC1>, 2021  
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## Reply on RC1

Ikumi Oyabu et al.

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Author comment on "Fractionation of O<sub>2</sub>/N<sub>2</sub> and Ar/N<sub>2</sub> in the Antarctic ice sheet during bubble formation and bubble-clathrate hydrate transition from precise gas measurements of the Dome Fuji ice core" by Ikumi Oyabu et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-147-AC1>, 2021

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Thank you for your valuable comments. Our responses and the changes we plan to make in the revised manuscript are explained in a PDF file.

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2021-147/tc-2021-147-AC1-supplement.pdf>