

Atmos. Chem. Phys. Discuss., author comment AC1  
<https://doi.org/10.5194/acp-2022-720-AC1>, 2023  
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## **Comment on acp-2022-720**

Clément Narbaud et al.

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Author comment on "Disentangling methane and carbon dioxide sources and transport across the Russian Arctic from aircraft measurements" by Clément Narbaud et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2022-720-AC1>, 2023

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Please see the supplement file: we addressed with a complete answer all comments made by both referees. Taking into account the main address made by both referees about the lack of clarity and proofs for certain sections, we carefully reworked our manuscript. While the substance of the study remains the same, we precised many technical points indicated by referees. Overall, the revised manuscript has now a clearer outline with a better linking between each part and the analysis of some points has been clarified when necessary. We hope that this rework will meet the expectations of the editor and the referees.

Please also note the supplement to this comment:

<https://acp.copernicus.org/preprints/acp-2022-720/acp-2022-720-AC1-supplement.pdf>