

Weather Clim. Dynam. Discuss., referee comment RC1
<https://doi.org/10.5194/wcd-2021-57-RC1>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on wcd-2021-57

Anonymous Referee #1

Referee comment on "Moisture origin, transport pathways, and driving processes of intense wintertime moisture transport into the Arctic" by Lukas Papritz et al., Weather Clim. Dynam. Discuss., <https://doi.org/10.5194/wcd-2021-57-RC1>, 2021

Overall recommendation: Major revision

This study is an interesting topic. This manuscript examines the moisture sources of Arctic warming in different regions, whose findings help us improve an understanding of the occurrence of Arctic warming. However, there are some clarity and confusing issues in this manuscript so that I recommend a major revision. Especially, some results of this manuscript have been reported in other previous studies. However, the authors didn't make any comparison.

Please see the attached file for a detailed review

Please also note the supplement to this comment:

<https://wcd.copernicus.org/preprints/wcd-2021-57/wcd-2021-57-RC1-supplement.pdf>