

Weather Clim. Dynam. Discuss., author comment AC3  
<https://doi.org/10.5194/wcd-2021-34-AC3>, 2021  
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## Reply on RC2

Roman Brogli et al.

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Author comment on "Future summer warming pattern under climate change is affected by lapse-rate changes" by Roman Brogli et al., Weather Clim. Dynam. Discuss.,  
<https://doi.org/10.5194/wcd-2021-34-AC3>, 2021

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We appreciate the detailed and helpful feedback, many thanks. For a better overview we have compiled a separate document (see supplement), where we address your feedback in detail. We also have appended a track-changes version of the manuscript with all the changes we propose to make in the revised version. Especially note that we have added an extensive section about the physical interpretation of our idealized simulations. The track-changes manuscript also contains changes we made in response to the feedback by Referee 1.

Best regards on behalf of all co-authors

Roman Brogli

Please also note the supplement to this comment:

<https://wcd.copernicus.org/preprints/wcd-2021-34/wcd-2021-34-AC3-supplement.pdf>