

Weather Clim. Dynam. Discuss., author comment AC1
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Comment on wcd-2022-36

Andreas Alexander Beckert et al.

Author comment on "The three-dimensional structure of fronts in mid-latitude weather systems as represented by numerical weather prediction models" by Andreas Alexander Beckert et al., Weather Clim. Dynam. Discuss.,
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Dear Irina Rudeva and dear Reviewers,

Thank you for providing your comments and feedback on our manuscript about the three-dimensional structure of fronts in mid-latitude weather systems. We recognize your concerns that our manuscript in the submitted version is not well suited for publishing within the scope of WCD. Our main goal remains documenting our generalized reimplementation of the Kern et al. (2019) method, to provide guidance to researchers on how to use 3-D front detection and visualization, and to demonstrate the potential of working with interactive 3-D visualization for analysis of atmospheric dynamics. We have hence decided to follow your recommendation to withdraw the manuscript from WCD and to resubmit to GMD. For this resubmission, we have revised the article according to the reviewer's suggestions. We reply to the reviewer comments in detail in the attached PDF, so that future GMD reviewers can refer to the revisions already made.

Thank you very much for your efforts and kind regards,

Andreas Beckert and Marc Rautenhaus, on behalf of the author team

Please also note the supplement to this comment:

<https://wcd.copernicus.org/preprints/wcd-2022-36/wcd-2022-36-AC1-supplement.pdf>