

Geosci. Model Dev. Discuss., author comment AC2  
<https://doi.org/10.5194/gmd-2021-339-AC2>, 2022  
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## **Author response to the reviewer comments**

Sudhanshu Pandey et al.

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Author comment on "Order of magnitude wall time improvement of variational methane inversions by physical parallelization: a demonstration using TM5-4DVAR" by Sudhanshu Pandey et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-339-AC2>, 2022

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We thank the three anonymous reviewers for their detailed comments. These comments have led to a significant improvement in the quality and presentation of our manuscript. Our responses to the comments of all the reviewers are given in the attached document.

Please also note the supplement to this comment:

<https://gmd.copernicus.org/preprints/gmd-2021-339/gmd-2021-339-AC2-supplement.pdf>