

## ***Interactive comment on “Tomographic retrieval approach for mesoscale gravity wave observations by the PREMIER Infrared Limb-Sounder” by J. Ungermann et al.***

**J. Ungermann et al.**

j.ungermann@fz-juelich.de

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Thanks for showing interest in our paper. I am sorry to see that we could be misinterpreted in our understanding of the paper by Steck et al. I propose to clarify this by replacing

"Please note that we do not apply a sequential approach based on retrievals of individual profiles like described by \cite{steck05}, but solve the full 2-D problem."

by

"Please note that we do not apply the approach of \cite{steck05}, where the full 2D-

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state is updated sequentially using in each step only information contained in single profiles or limb-scans, but perform a full update using all available measurement information in each step."

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