

Dear Editor,

We have performed the 2 minor changes required by reviewer #1.

She suggested to change the title with “a comprehensive dynamical a priori...” or something equivalent rather than “a tropopause-based a priori...”.

Our a priori is based on the paper by Sofieva et al. « A novel tropopause-related climatology of ozone profiles » and is presenting improvements and validation based on the use of this a priori. We demonstrate that most of the improvements come from the climatological nature of the a priori, and that a smaller part comes from the tropopause dependence.

We therefore changed the title to «A climatological tropopause-related a priori for IASI-SOFRID Ozone retrievals: improvements and validation » because that is precisely what the paper is dealing with.

In the same way, we have modified the text in the conclusion (p16 l1) with « The use of a climatological tropopause-related a priori... » instead of just « tropopause-based » as previously.

Finally, we have corrected the typos indicated by the reviewer.

Best regards,
Brice Barret