

Interactive comment on “A local to national-scale inverse modeling system to assess the potential of spaceborne CO₂ measurements for the monitoring of anthropogenic emissions” by Diego Santaren et al.

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We thank both reviewers for their comments on our manuscript. Thanks to them, this manuscript now conducts a discussion on the interesting topic of the spatial correlation in the observation errors, based on new tests described in Appendix A of the new manuscript. We provide in supplement the detailed responses to all of their comments and the version of the new manuscript where the changes are highlighted.

Please also note the supplement to this comment:

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<https://amt.copernicus.org/preprints/amt-2020-138/amt-2020-138-AC1-supplement.pdf>

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-138, 2020.