

***Interactive comment on “Constraints on methane emissions in North America from future geostationary remote sensing measurements” by N. Bousseret et al.***

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We would like to thank the anonymous referee for their useful remarks and suggestions that helped improve the manuscript. The revised version of the paper (see online supplement) includes significant modifications and new results that we hope address the referee’s comments. Please find in the online supplement a pdf document with our detailed responses to all the remarks and suggestions. Note that in addition to the new results produced to address the referee’s comments, some errors were identified in our previous simulations and have been corrected since (in particular in the boundary condition sensitivity study). Therefore the entire manuscript has been

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modified accordingly and in our responses we only point to the modifications directly related to the referee’s comments and suggestions.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/15/C12412/2016/acpd-15-C12412-2016-supplement.zip>

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Interactive comment on Atmos. Chem. Phys. Discuss., 15, 19017, 2015.

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