

Atmos. Meas. Tech. Discuss., referee comment RC1
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Comment on amt-2021-98

Anonymous Referee #1

Referee comment on "Comment on "Synergetic use of IASI profile and TROPOMI total-column level 2 methane retrieval products" by Schneider et al. (2022)" by Simone Ceccherini, Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2021-98-RC1>, 2021

This Comment on "Synergetic use of IASI and TROPOMI space borne sensors for generating a tropospheric methane profile product by Schneider et al. (2021)" is necessary to compliment the original paper in terms of comparison/reference of existing data fusion methods. If Schneider et al. (2021) had properly referenced Warner et al. (2014) and Ceccherini et al. (2015) with good understanding of the similarities and differences, this Comment would not have been necessary. This Comment clearly and thoroughly compared the Schneider et al. (2021) approach, which was published by Warner et al. (2014) for a different data set, and that of Ceccherini et al. (2015) via derivation of equations. The Comment also reiterated the similarity of the above approaches to that of Ceccherini et al. (2009), which was discussed by Schneider et al. (2021). This reviewer recommend the publication of this Comment.