

Interactive comment on “Ensemble-based satellite-derived carbon dioxide and methane column-averaged dry-air mole fraction data sets (2003-2018) for carbon and climate applications” by M. Reuter et al.

Anonymous Referee #2

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This paper shows the results of a community effort aiming at retrieving CO₂ and CH₄ columns from satellites, providing monthly maps of these quantities, and evaluating the quality of these products. The combination of the satellite products, through a median-based procedure, provides a "best-estimates". This paper is well presented and provide an up-to-date assessment of the XCO₂ and XCH₄ retrievals. As such, it is a needed contribution by and for the remote sensing community aiming at greenhouse gases retrievals from space. The paper is very clear, and presented in a balance way. It can be published as such

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Discussion paper



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