

Atmos. Chem. Phys. Discuss., author comment AC1  
<https://doi.org/10.5194/acp-2021-950-AC1>, 2022  
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## Author final response

Joël Thanwerdas et al.

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Author comment on "How do Cl concentrations matter for simulating CH<sub>4</sub>, δ<sup>13</sup>C(CH<sub>4</sub>) and estimating CH<sub>4</sub> budget through atmospheric inversions?" by Joël Thanwerdas et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-950-AC1>, 2022

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We are very grateful to the three referees for their detailed and fruitful comments which have allowed us to clarify various points. We copy-pasted their reviews in the attached pdf. Comments from Reviewers #1, #2 and #3 are in blue, red and green, respectively. For each comment/suggestion, our responses are in bold black and quotes from the revised text are in italic black. We also provide a track-change manuscript at the end of the attached document.

Please also note the supplement to this comment:

<https://acp.copernicus.org/preprints/acp-2021-950/acp-2021-950-AC1-supplement.pdf>