

***Interactive comment on “Bias assessment of lower and middle tropospheric CO<sub>2</sub> concentrations of GOSAT/TANSO-FTS TIR Version 1 product” by Naoko Saitoh et al.***

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To Referee #2,

We appreciate you reading our paper carefully and giving valuable comments and suggestions. We have considered your recommendations for revisions and made the necessary changes. The major points that we deal with in the revised manuscript are as follows:

1. Following your advice, we have added Table 1 to show representative pressure levels of each of the retrieval grid layers of GOSAT/TANSO-FTS thermal infrared (TIR)

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version 1 (V1) Level 2 (L2) CO<sub>2</sub> product.

2. Relating to the above, we have referred to the retrieval grid layers by the representative pressure levels throughout the text.

Individual responses to the Referee's comments are attached as a supplement PDF file.

Please also note the supplement to this comment:

<https://www.atmos-meas-tech-discuss.net/amt-2017-111/amt-2017-111-AC1-supplement.pdf>

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-111, 2017.

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