

Atmos. Meas. Tech. Discuss., author comment AC2 https://doi.org/10.5194/amt-2020-518-AC2, 2021 © Author(s) 2021. This work is distributed under the Creative Commons Attribution 4.0 License.

## Reply on RC1

Jing Feng et al.

Author comment on "A simulation-experiment-based assessment of retrievals of above-cloud temperature and water vapor using a hyperspectral infrared sounder" by Jing Feng et al., Atmos. Meas. Tech. Discuss., https://doi.org/10.5194/amt-2020-518-AC2, 2021

Thank you, Quentin Libois, for your detailed and thoughtful comments. Following your comment, we have greatly expanded the abstract and introduction, added necessary description about the forward model, and expanded the discussion on cloud-induced uncertainties.

Please also note the supplement to this comment: <a href="https://amt.copernicus.org/preprints/amt-2020-518/amt-2020-518-AC2-supplement.pdf">https://amt.copernicus.org/preprints/amt-2020-518/amt-2020-518-AC2-supplement.pdf</a>