

Geosci. Model Dev. Discuss., chief editor comment CEC1
<https://doi.org/10.5194/gmd-2021-288-CEC1>, 2021
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Comment on gmd-2021-288

Juan Antonio Añel

Chief editor comment on "Estimating aerosol emission from SPEXone on the NASA PACE mission using an ensemble Kalman smoother: observing system simulation experiments (OSSEs)" by Athanasios Tsikerdekis et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-288-CEC1>, 2021

Dear authors,

After checking your manuscript, we have some concerns about your compliance with our Code and Data Availability policy. Namely, the model simulations and SPEXone retrievals are available only upon request. Being aware of potential problems with the size of model outputs, we think that you should permanently archive final files from the model and SPEXone with the data used in your work in a repository open to the public. Therefore, we kindly request you to share them. If something prevents you from doing it, please, reply to this comment with reasoning for it.

Also, the ECHAM-HAM model is only accessible for those with an account registered. Moreover, we can not accept the SVN repository of the ETH as suitable for long-term archival of the code used in your manuscript. We kindly ask you to upload a frozen snapshot of the model version used to an appropriate repository, as provided by our policy. For example, Zenodo, as you use for other parts of the data and code used for your work.

Best regards,

Juan A. Añel

Geosc. Mod. Dev. Executive Editor