

Authors' replies to the reviews of the ACP manuscript

On behalf of all authors, I would like to express my gratitude and appreciation to the reviewers and editor for their valuable suggestions and constructive critiques. We hope to have adequately addressed the final comments and hereby submit a revised version of the article and thank the reviewers and editor in advance for their renewed efforts.

[RC] Why was the naming of the TFS in section 5 changed from numbers to letters? I would have stayed with numbers for a consistent nomenclature, especially to avoid possible confusion with the calibration coefficients A and B (for example in Table S3).

[AC] We have followed the reviewer's suggestion and changed the naming of the TFS to numbers to avoid confusion.

We have also checked the formatting of the references so that it complies with the Copernicus guidelines. We have taken into account that shading in tables (Table 5) cannot be used in the final accepted manuscript and have changed this.