

Author responses to editor

Gramme et al. (2025): "Urban pollution monitoring with the AOTF-based camera: NO₂ validation with other DOAS instruments"

<https://doi.org/10.5194/egusphere-2025-2255>

We thank the editor for his additional review. Our detailed answers are provided below, with the editor's comments as a reminder in grey.

1) Additional paragraph (response to reviewer #1) for the introduction:

Please replace „To our knowledge, no real-world application has been realized yet.“ by:

„To our knowledge, no real-world application to NO₂ measurements have been realized yet.“

The text was modified accordingly.

2) Regarding the authors' response to reviewer #1:

„As we have significantly more available data points for the MAX-DOAS, we believe that our message is stronger if we only show the MAX-DOAS points. Adding the Pandora data would, in our opinion, extend the manuscript without adding value. However, if the reviewers insist, we can add or provide these figures as well.“

I suggest that you only show the MAX-DOAS data points, but make a comment about this choice in the text.

The text was modified accordingly.

3) Regarding the reviewer #2 comment:

„In the estimation of the uncertainty of each NO₂ dSCD, the systematic contributions are ignored so far, but maybe you are able to provide a rough estimate for some systematic contributions already.“

Perhaps the authors could indeed provide a rough estimate for some systematic error contributions?

An additional paragraph was inserted at the end of Section 3.4.