

Dear Marc von Hobe,

Thank you for your positive evaluation and for accepting our manuscript for publication in AMT. We are pleased to address the remaining minor issues raised by the editorial staff.

### **Data and code availability**

Thank you for the final comment regarding the Code and Data Availability section. We have updated it from:

*"All raw data can be provided upon request to the corresponding authors."*

to:

*"The MATLAB application and supporting code are provided in the Supplement and are freely accessible via the article webpage. The raw Picarro spectral and experimental data underlying this study are publicly available on Zenodo at <https://doi.org/10.5281/zenodo.19885376>"*

### **Reference list corrections**

We have also updated the reference list to align with EGU sphere and AMT guidelines, specifically:

1. Barnes and Allan (1966): Corrected the page range spacing from "221 – 230" to "221–230" for consistency with all other entries in the list.
2. Yu et al. (2020): Corrected the chemical formula in the title from "N(2) O" to "N<sub>2</sub>O", removing a formatting artefact where the subscript 2 had been rendered incorrectly.
3. Sperlich et al. (2024): Removed a stray space before the colon in the author list, correcting "Tarasova, O. ." to "Tarasova, O.:".
4. Wu et al. (2024): Corrected the author names which were previously inverted with given names appearing in the surname position. The entry was corrected from "Wanlu, W., Lingling, Z., Di, Z., Zhe, S., and Biao, J." to "Wu, W., Zhang, L., Zhu, D., Shi, Z., and Jin, B." and repositioned alphabetically in the reference list accordingly.

Best wishes,

Julius Havsteen on behalf of the authors