

Summary of Minor Changes in Final Manuscript

During the final preparation of files, we made the following minor changes:

1. Line 88: Removed the extra closing parenthesis “)”.
2. Code and data availability: Updated text to include lidar data sources and added Zenodo reference for the archived code.
3. Acknowledgements: Changed “Academy of Finland (projects nos. 329216)” to “Research Council of Finland (project no. 329216)” to reflect the updated official English name.
4. References: Corrected Shimizu et al., 2004 and added a new reference for the Zenodo code archive (Shang et al. 2026).

No changes were made to equations, figures, tables, or scientific content.

The ROR "Finnish Meteorological Institute (Helsinki, Finland)" is correct.

It refers to the official institution, which is headquartered in Helsinki. Our research group is part of the same institute but located at the Atmospheric Research Centre of Eastern Finland in Kuopio.