



Corrigendum to

“Dual-frequency spectral radar retrieval of snowfall microphysics: a physics-driven deep-learning approach” published in Atmos. Meas. Tech., 16, 911–940, 2023

Anne-Claire Billault-Roux¹, Gionata Ghiggi¹, Louis Jaffaux², Audrey Martini³, Nicolas Viltard³, and Alexis Berne¹

¹Environmental Remote Sensing Laboratory, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

²Laboratoire de Météorologie Physique, UCQ/CNRS, Aubière, France

³Laboratoire Atmosphères, Milieux, Observations Spatiales, IPSL, UVSQ Université Paris-Saclay, Sorbonne Université, CNRS, Guyancourt, France

Correspondence: Alexis Berne (alexis.berne@epfl.ch)

Published: 21 April 2023

During the production process, the reference Ori et al. (2021) was incorrectly replaced with the reference Ori et al. (2020) throughout the text in the above-mentioned paper. The only correct citation of Ori et al. (2020) is in the very first sentence of Sect. B2 (“Self-similar Rayleigh–Gans approximation”). All other instances of Ori et al. (2020) in the paper refer to Ori et al. (2021).

Similarly, in Sect. 3.2, the reference to the article Billault-Roux et al. (2023a) was incorrectly replaced with a reference to the dataset Billault-Roux et al. (2023b). The reference to the dataset Billault-Roux et al. (2023b) is correctly included in the “Data availability” statement.

In addition, the reference to Khain et al. (2015), in Sect. 1, is incomplete. The full reference is provided below.

References

Billault-Roux, A., Grazioli, J., Delanoë, J., Jorquera, S., Pauwels, N., Viltard, N., Martini, A., Mariage, V., Le Gac, C., Caudoux, C., Aubry, C., Bertrand, F., Schwarzenboeck, A., Jaffaux, L., Coutris, P., Febvre, G., Pichon, J. M., Dezitter, F., Gehring, J., Untersee, A., Calas, C., Figueras i Ventura, J., Vie, B., Peyrat, A., Curat, V., Rebouissoux, S., and Berne, A.: ICE GENESIS: Synergetic Aircraft and Ground-Based Remote Sensing and In Situ Measurements of Snowfall Microphysical Properties, *B. Am. Meteorol. Soc.*, 104, E367–E388, <https://doi.org/10.1175/BAMS-D-21-0184.1>, 2023.

Billault-Roux, A.-C., Grazioli, J., Delanoë, J., Jorquera, S., Pauwels, N., Viltard, N., Martini, A., Mariage, V., Le Gac, C., Caudoux, C., Aubry, C., Bertrand, F., Schwarzenboeck, A., Jaffaux, L., Coutris, P., Febvre, G., Pichon, J. M., Dezitter, F., Gehring, J., Untersee, A., Calas, C., Figueras i Ventura, J., Vie, B., Peyrat, A., Curat, V., Rebouissoux, S., and Berne, A.: ICE GENESIS: data catalogue, AERIS [data set], <https://ice-genesis.aeris-data.fr/catalogue/>, last access: 13 February 2023.

Khain, A. P., Beheng, K. D., Heymsfield, A., Korolev, A., Krichak, S. O., Levin, Z., Pinsky, M., Phillips, V., Prabhakaran, T., Teller, A., van den Heever, S. C., and Yano, J.-I.: Representation of microphysical processes in cloud-resolving models: Spectral (bin) microphysics versus bulk parameterization, *Rev. Geophys.*, 53, 247–322, <https://doi.org/10.1002/2014RG000468>, 2015.

Ori, D., von Terzi, L., Karrer, M., and Kneifel, S.: snowScatt-data, Zenodo [data set], <https://doi.org/10.5281/zenodo.4118243>, 2020

Ori, D., von Terzi, L., Karrer, M., and Kneifel, S.: snowScatt 1.0: consistent model of microphysical and scattering properties of rimed and unrimed snowflakes based on the self-similar Rayleigh–Gans approximation, *Geosci. Model Dev.*, 14, 1511–1531, <https://doi.org/10.5194/gmd-14-1511-2021>, 2021.