



## *Corrigendum to*

# “Intercomparison of airborne and surface-based measurements during the CLARIFY, ORACLES and LASIC field experiments” published in Atmos. Meas. Tech., 15, 6329–6371, 2022

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In the paper, two errors were made in the written text in Sects. 4.3.1 and 5.2 when writing the manuscript. These both relate to the direction of comparisons of concentrations measured by the AMS (aerosol mass spectrometer) on board the FAAM (Facility for Airborne Atmospheric Measurements) BAe-146 aircraft operated during CLARIFY (CLouds–Aerosol–Radiation Interaction and Forcing for Year 2017) and the ACSM (aerosol chemical speciation monitor), which was stationed at the Department of Energy’s Atmospheric Radiation Measurement (ARM) Mobile Facility on Ascension Island as part of the LASIC (Layered Atlantic Smoke and Interactions with Aerosols) field campaign. Data for these comparisons are presented in Table 4. The numbers in Table 4 are unaffected by these errors and show the correct values.

In particular, in Sect. 4.3.1, we state the following:

Data from LASIC ACSM (using the c2 dataset) do not compare well with those from FAAM (Table 4), with LASIC–FAAM mass ratios in the ranges of 2.1–4.4 (OA), 2.1–4.5 (SO<sub>4</sub>), 1.4–2.4 (NO<sub>3</sub>) and 2.0–4.1 (NH<sub>4</sub>).

The comparison should read “with FAAM–LASIC mass ratios” instead of “with LASIC–FAAM mass ratios”.

In Sect. 5.2, we state the following:

The comparison between the FAAM BAe-146 AMS and the LASIC ARM site ACSM is poor. There is a difference of a factor of between 3 and 4.5 between individual species mass concentrations, with the larger magnitudes observed at the ARM site.

The text “with the larger magnitudes observed at the ARM site” should read “with the smaller magnitudes observed at the ARM site”.

In summary, the numbers presented in the paper are correct with only the two instances of text being in error. We thank Calvin Howes for bringing this to our attention.