We detail below a single request for a minor content change which follows from a simulation setup issue spotted while proof-reading the manuscript:

In the text, commenting on Eq. (28), we have indicated that a constant-momentum flow was used, while the relevant program code used a constant-velocity flow, instead. The difference is in taking into account the air density gradient across the 3 km domain which is not significant.

To make the code consistent with the description and correctly reflecting the setup intention (of non-divergent flow), we have fixed the problem in the code, and rerun all simulations. All conclusions in the paper continue to hold. The changes in the code are documented on GitHub:

https://github.com/atmos-cloud-sim-uj/PyMPDATA-examples/pull/58. We have released a new Zenodo archive with the fixed code assigning a new release version number 1.0.1 to the PySDMexamples package (hence suggesting the paper title does not need a change as ”1.0” has been given, but ”1.0.1” can also be used in the title, of course).

Accordingly, we would like to request an approval from the Editor for the following changes:

• TS6: please change ”field GC\_{z}” into ”field [GC\_{r},GC\_{z}]”.

• in the rhs of Eq. (28), change ρ\_{d}(z) Δt/Δzw1 into ρ\_{d}u\_{z}Δt/Δz (TS7)

• below equation (28) change w1 = 2.5 m s^{-1} into ρ\_{d}u\_{z} = 3 m s^{-1} kg m^{-3} (TS8).

• on page 13, line 37: change 1% into 5% (two occurrences, TS9, TS10)

• change ”to around 0.1” to ”to around 0.15” on page 16 line 6 (TS11)

Figures 10, 11 & 12 and Zenodo reference entry were updated accordingly and these are already reflected in the currently commented proof-reading file.