

Technical corrections

- Figure 8: The figure caption is confusing. What do you mean “to produce Fig.6” ? [The figure caption has been modified.](#)
- Line# 781, What are the “constants”? Please clarify them. [Done](#)
- Line# 585, please never use “seems to be” in the conclusion section. That expression is too weak. It is better to remove the sentence or reword them to present clear relationships found from the results. [This sentence has been modified.](#)
- In L54-59, P3 is likely mistakenly lumped together with MG08 which is in fact category and moment based. Suggest removing the citation for MG08. Also please clarify in the text that by “LIMA-like” (L57), I assume you mean category-based? [The reference to MG08 has been removed. The expression LIMA-like has been removed and replaced by « based on predefined categories ».](#)
- Please add the units (where appropriate) for the parameters listed in Table 1. [Done.](#)
- The caption of figure 4 should read “Instantaneous rain precipitation (shading)” so as not to confuse the readers with the shading versus colored contours. [Done.](#)
- The caption of figure 5 has the wrong colors listed for snow, graupel, and hail compared with the legend in the figure (is graupel shown with green color? Isn't it yellow? In addition, hail seems to be purple whereas hail is indicated as black in the caption) [Done.](#)
- The yellow lines in Figure 8 are challenging to see on a screen and do not show up when printed in black and white, suggest choosing a darker color like magenta. [The yellow lines have been replaced by vermilion lines in Figure 8.](#)
- suggest writing out “LIMA1” everywhere that the v1 model is the subject of discussion, rather than the more generic “LIMA”. [Done. Figures labels have also been modified accordingly.](#)
- L47: “the concern to develop” -> “concern about developing”. [Done.](#)
- L75: “to include” -> “of including”. [Done.](#)
- L133: “Gamma distribution law” -> “Gamma distribution” (law is redundant). [Done.](#)
- L151: “broadening of particle” -> “broadening of the particle”. [Done.](#)
- L151: “verified” -> “met”. [Done.](#)
- L485: “diagnostics of Ns is not...” -> “diagnostics of Ns are not... [Done.](#)
- replace raster graphics in Fig. 1 with vector graphics. [Done.](#)
- fix DOI URL in Khain et al. 2000 (<https://doi.org/https://...>). [Done.](#)
- fix DOI URL in Brown et al. 2017 (<https://doi.org/https://...>). [Done.](#)
- add URL to Caniaux 1993: <https://theses.fr/1993TOU30071>. [Done.](#)

- use journal name abbreviations in all journal-article reference entries (acronym database suggested by GMD:

https://images.webofknowledge.com/images/help/WOS/A_abrvjt.html). Done.