Responses to typesetter

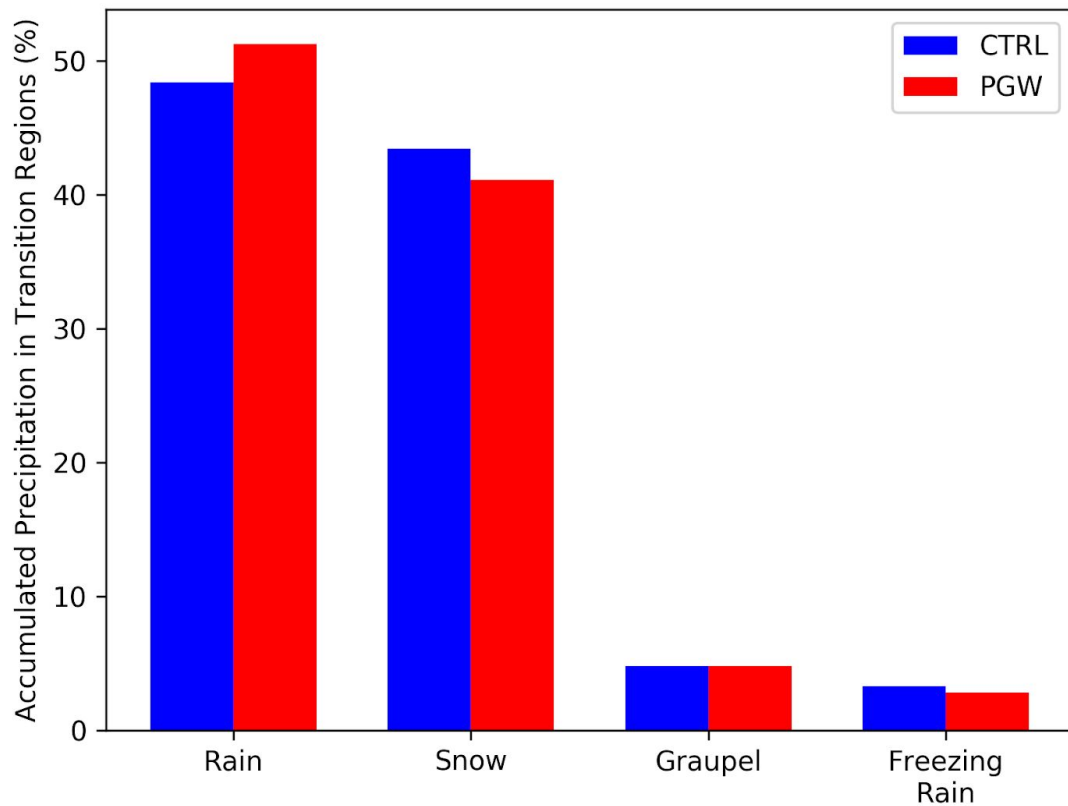
1. According to our standards, changes like this must first be approved by the editor, as data have already been reviewed, discussed and approved. Please provide a detailed explanation for those changes that can be forwarded to the editor. Please note that this entire process will be available online after publication. Upon approval, we will make the appropriate changes. Thank you for your understanding.

   Thank you for explaining the process. Here is a detailed explanation of the changes that can be forwarded to the editor.

   Upon reviewing the proofread, I noticed that I had sent the wrong version of Figure 8 upon first submission. Consequently, there are some slight changes to the text and caption regarding the figure as described below.

   (a) Specifically, the proportion of precipitation constituents within the transition region requires revision. Some changes were made to the criterion of the transition region before the original submission of the manuscript, but the consequent impacts on proportions were mistakenly not changed in the actual text.

   The text should read as follows, with the highlighted portions denoting the changes: "There was a shift in the distribution of accumulated precipitation types within transition regions from CTRL to PGW (Fig. 8). The proportion of snow decreased from 43.5% (CTRL) to 41.1 % (PGW), corresponding with an increase in rain, from 48.4 % (CTRL) to 51.3 % (PGW). The proportion of graupel remained the same, at 4.8 %. There was a small decrease in the proportion of freezing rain, from 3.3 % (CTRL) to 2.8 % (PGW)."

   (b) The correct figure and caption are shown below.

Caption: Distribution of accumulated rain, snow, graupel and freezing rain within transition regions under the CTRL (blue) and PGW (red) simulations over the January–April 2010 period.

2. Please see previous remarks about editor's approval.

Please see response above with includes a request to change the caption for Figure 8.