

We thank the referee for his evaluation and comments. The last comments were considered carefully. Below are your comments in roman and our responses in italic font.

L33-34: our results simulate a constant global surface". Please rephrase (results do not simulate something and please explain what is meant by a constant global surface);

*We rephrased and write:" Interestingly, we simulate a constant surface area with"*

l. 67-68: "know and predict" = "knowing and predicting"

*OK*

l. 99-100: "at the 0.5° that" = "at a 0.5° resolution, which"

*OK*

l. 107: "driven by extreme than mean" = "affected by extreme values than the arithmetic mean" l. 135: "this research"= "this search"

*OK*

l. 151: "rain- and snow- falls" = "precipitation"

*OK*

l. 236: "JR"" : please explain (Joint Research Centre?, if yes, then please add reference)

*Yes, this is JRC. The missing letter and the reference have been added*

l. 236: "sSauvé" = "Sauvé"

*OK*

l. 380: "which is calculated" = "which was calculated" l. 480: "t he"= "the"

*OK*