

## ***Interactive comment on “The influence of global climate and local hydrological variations over streamflow extremes: The tropical-mountain case” by Juan Contreras et al.***

**Juan Contreras et al.**

axlaviles@hotmail.com

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I.- First of all, please allow me to make a suggestion. The current form of the submission is not friendly to readers, which put all the tables and figures at the end of the paper. Maybe this is required by the journal in the stage of submission, but I hope next time we can get a better version with all the tables and figures in the text. This will make the reading much easier.

We take the suggestion of the reviewer, in the new version we included the tables and figures in the text. The result is a friendlier version of the manuscript.

C1

II.- Hydrological extremes such as floods and droughts are occurs more frequently with the climate change and human activities. The study of “The influence of global climate and local hydrological variations over streamflow extremes: The tropical-mountain case” is of great interest. The paper is well written. My suggestion is: Minor Correction.

Thanks for the comments, we are glad to hear that the reviewer found our manuscript interesting and well written.

III.- There are some minor comments: 1. Further strengthen the novelties of this work in the Abstract and text. Clarify the differences and improvements of this work compared with the previous work.

We clarify the novelty of our work in Introduction in Lines: 46-56, 69-76, 90-92, 97-104, and 107-108; and in the Abstract in Lines: 14-17, 23 and 28-29.

2. Lines 81-82, “(3) There is a difference in the mechanisms of control of hydrological extremes in a relatively undisturbed and disturbed catchment?”, is this sentence supposed to be a question?

It is correct, we declare this sentence as a question. We improved the writing in the text to avoid misinterpretations (Lines 113-114).

3. Lines 212, “Is important to note that linear approximations are the first terms within Tylor’s expansions and generally...”, the subject is missing. I think it should be change to “It is important to note that linear approximations are the first terms within Tylor’s expansions and generally...”.

Done. Line 268.

4.Line 231, “explanatory variables influence the performance of the models to describe nonstationary”, should be changed to “explanatory variables influence the performance of the models to describe non-stationarity”.

C2

Done. Line 288.

5. Figure 3, the legend is missing. The caption is not clear enough for readers to understand the figure.

We added a legend in the Figure 3 to improve the understanding of the readers.

The revised manuscript is in the following link  
<https://drive.google.com/drive/folders/1YzNicBRA4Yi03fekHoVjRfLg4LPeAJh7?usp=sharing>

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-554>, 2019.