Hydrol. Earth Syst. Sci. Discuss.,
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Interactive comment on "The influence of global climate and local hydrological variations over streamflow extremes: The tropical-mountain case" *by* Juan Contreras et al.

Anonymous Referee #1

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This manuscript assesses the contribution of several factors, including precipitation factor, land use change and large scale climate indices on hytdrological extreme change, using the statistical approach. My major worry is that work about statistically investigating the influences from different drivers on hydrological extremes is not new, and the data/tools used by the authors are also conventional. In this condition the authors should explicitly illustrate their differences in findings and interpretation by comparing to different former studies. Nevertheless, this part is still weak. The authors might try to make their findings are representable to different areas as they stated that their study area is natural laboratory for hydrological and climate research. However, I found their statements in introduction too focus on the Andean area. This might restirct the global

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Discussion paper

significance of their work and tend to make it like a regional study.

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