

Hydrol. Earth Syst. Sci. Discuss., referee comment RC1  
<https://doi.org/10.5194/hess-2022-205-RC1>, 2022  
© Author(s) 2022. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## **Comment on hess-2022-205**

Anonymous Referee #1

---

Referee comment on "Climate sensitivity of the summer runoff of two glacierised Himalayan catchments with contrasting climate" by Sourav Laha et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2022-205-RC1>, 2022

---

In this paper, the authors quantified the sensitivity of summer runoff to precipitation and temperature changes in two glacierized Himalayan catchments with contrasting climate based on a hydrological model. This study is well prepared, and the results are meaningful. However, there are still some questions needing to be clarified. Here are the details:

- Lines 48-49: This expression should be careful. In my opinion, the simulation is not as same as the observations. The observed data can represent the reality at a point scale but is hard to obtain, especially in the high mountain regions, while the simulation can systematically analyze for a basin-wide scale over a long period.
  
- Figure 1. The boundaries of the two study basins should be highlighted on the map.
  
  
- Lines 65-66: This sentence is inaccurate. As I see, the annual temperature of Chandra



