

## General Evaluation

The authors have fully addressed my previous comments, and the revised manuscript has gained significant clarity. The methodology remains robust, supported by a comprehensive analysis that effectively explores the data. Furthermore, the discussion is thorough and well-structured. This work provides a solid contribution to the field, and I am pleased to recommend it for publication.

I would like to highlight the findings regarding the negative correlation between SWE/SWE loss and SSC. I find this an interesting result, and I am wondering if it can be related to underlying physical processes, such as: (1) the protective role of snow that shields hillslopes from erosion (high SWE, low SSC); (2) the high volumes of snowmelt water likely provide a strong dilution effect lowering SSC (high SWE loss, low SSC).

Below are a few specific comments:

Line 205: "... compared to approaches which a GEV to each duration." It appears a verb is missing in the phrase

Line 260: "... contain least ..." to "... contain at least"

Figure 5b. Is the scale for the number of events displayed?