

This paper analyzed the the Frequency and Severity of Flood Events of US. The topic is interesting and the results are helpful for risk management of the flood in US. However, there is some issues should be clearly addressed before it could be published in HESS. The comments are shown below:

Comments:

1. The author indicates that the the maximum event duration for HUC8's was 232 days. There should be an explanation that why the duration was so long for that basin. And the frequency of flood seems not high. It seems that for some basins, threshold selection needs to be improved. Is there any possible methods for improvement? This seems not fully discussed in the paper.
2. How to judge which basin size is best for the analysis of Frequency and Severity for the risk Management? It seems that there is not clearly explained in the method part.
3. From duration analysis, HUC8 and HUC6, which is better?
4. Line 9: HUC8 and HUC6 should be defined when it firstly appears.
5. I suggest the author to separate section 5 into discussion part and conclusion part.
6. Line 84-92: These sentences could be revised and the written should be more efficiency.
7. Line 114-116: Add years of publication after "Mallakpour and Villarini" and "Black and Werrity".
8. Line 163: The Pfafstetter Coding System is used and 6 levels are used for sub-basin identification. Why not other levels, for example, 5 levels or 7 levels.