Comment on cp-2021-43
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Community comment on "Reconstruction and analysis of extreme drought and flood events in the Hanjiang River basin since 1426" by Xiaodan Zhang et al., Clim. Past Discuss., https://doi.org/10.5194/cp-2021-43-CC2, 2021

Authors highlighted multi-decadal to century-scale variations of drought and flood events in Hanjiang River basin based on historical documents

I think this manuscript is well organized and topic of this work is important for understanding long-term variations of extreme events in historical period.

This manuscript is worth publishing for Climate of the Past.

As a suggestion, I have some following comments

Figure 1: Author claims that investigating long-term variations in extreme events within medium to small scale river basin is important due to comprehensive influences, such as topography and geomophology(P3, line 110-114). Therefore, I think it is better to show topography of Hanjiang River Basin in this Figure 1. Readers outside of China are not familir with topography in this area.

Figure 5: Author analyzed correlation between El Nino and extreme floods in Hanjiang River Basin. As authors analyzed long-term(multi-decadal to century-scale) variations, I think it is better to give somme comments on relationship with PDO. Changes in the PDO phase occur on multidecadal, rather than inter-annual timescales. If appropriate proxy for PDO is available, correlation analysis with PDO and could provide more robust results on multi-decadal to century-scale variations on extreme floods.

Figure 6: Author showed that large volcanic eruptions may influence occurrence of the extreme floods in Hanjiang River Basin. I think it is better to explain some possible mechanism for relationship between volcanic eruptions and occurrence of extreme floods in this area.