



## ***Interactive comment on “Periodic Glacial Lake Outburst Floods threatening the oldest Buddhist monastery in north-west Nepal” by J. Kropáček et al.***

### **Anonymous Referee #3**

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I will defer to the far greater technical expertise of the other reviewers, but for my part I found this study carefully undertaken and the paper generally very well written. I have only a couple of comments:

1. In section 3.4, how was the required minimum stereo matching score of 0.3 determined? Is this simply standard practice, or should there be a supporting reference?
2. In section 4.6, the topic of the second paragraph is whether or not the supra-glacial lake can be filled merely by precipitation. The paragraph doesn't seem to answer that question, though, as it doesn't discuss the maximum expected precipitation on the

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glacier. Section 3.5 indicates that precipitation rates were studied, but no real answer to the question emerges until the second paragraph of section 5.

3. I think the paper would benefit from a more generous exploration of potential mitigation measures.

4. Minor editing notes:

a. In the first sentence of section 1: "instable" is a word in English, but unless it has particular significance as a term of art in this field I think "unstable" would be better.

b. In the second sentence of 3.2, "off-shelf" ought to be "off-the-shelf".

c. The third sentence of the third paragraph of 3.4 is not clearly written. I think you want to say something like "Each pixel value determined to be an outlier was replaced by a pixel value determined by taking the mean of the values of all adjacent non-outlier pixels."

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 6937, 2014.

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