

Interactive comment on “Brief Communication: Contrast stretching and histogram smoothness based flood detection” by F. Nazir et al.

F. Nazir et al.

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I. ANONYMOUS REFEREE # 1

We are thankful to the anonymous reviewer for appreciating our work.

II. ANONYMOUS REFEREE # 2

We are thankful to the anonymous reviewer for kind appreciation. The paper is revised by adding proper explanation, and difference between existing and proposed schemes. English language of the paper is also improved. All other suggestions regarding grammatical errors (like plural, articles, processing chain), typos (like name of cited method) and conceptual errors (like inundated, unsupervised flood classification or change de-

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tection) are incorporated in the revised version.

III. ANONYMOUS REFEREE # 3

We are thankful to the anonymous reviewer for kind appreciation. The paper deals with generation of a RGB flood map using pre and post flooded registered images of same region. To clarify, we have now further elaborated the proposed scheme in the revised manuscript. We have also revised the introduction section of paper and included the suggested alternative methods. Moreover, some sentences related to speckle noise and its pre-processing are included. The section related to proposed scheme is revised to make it more readable/understandable. The date of pre and post flood images is now also mentioned. Regarding visual comparison, since the aim of flood map generation is to have better visualization of flooded and non-flooded areas, therefore many state of the art techniques have not presented any quantitative comparison (including the one on which proposed technique is based). However, if the reviewer still insists (and given the page limitations of brief communication), we can add some quantitative comparison of different steps.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/2/C2836/2014/nhessd-2-C2836-2014-supplement.zip>

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