

Interactive comment on “Development of a Precipitation-Area Curve for Warning Criteria of Short-Duration Flash Flood” by Deg-Hyo Bae et al.

Anonymous Referee #2

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Important topic of high relevance. The paper is generally of a good structure and gives good insight in what has been done in the project. But not really a new approach, already been done in similar ways in other regions. Following open issues should be addressed in the publication: The cells of convective events are much smaller than the catchments described in the paper, so in the real world only part of the catchment will be in the focus of the precipitation event. There is little info about what type of precipitation measurement has been used, are this ground measurements or radar or some combination of it? What is the resolution of the measurement? As the convective events are difficult to measure, the uncertainty applied by this also should be discussed. In the publication a lot of abbreviations are being used, this makes it hard to read, especially as they are not commonly used abbreviations, so better replace them

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by the full text. As the timely distribution of a rainstorm event also has high impact on the runoff, this should be tackled as well. Some more words should be spent on how the results can be used, in what extent are the usable for warning issues and how false warnings can be handled. Who is the planned end user of the thresholds?

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