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Natural Hazards and Earth System Sciences
Discussions
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# *Interactive comment on* "Evaluating critical rainfall conditions for large-scale landslides by detecting event times from seismic records" *by* Hsien-Li Kuo et al.

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RC #2: General comments

The paper "Evaluating critical rainfall conditions for large-scale landslides by detecting event times from seismic records" is a very interesting paper with original approach. The combination of the tools and methods to define rainfall threshold to landsliding is interesting and the several steps of the analysis are presented. However, the reader can be lost in the used databases, in particular between what concerns the 2009 typhoon analysis and the rest of the chronical. The results can be discussed (detection of only 62 landslides, thresholds between 500/300mm...), or justified by figures com-



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pleted (see below comments on the figures).

R: The authors appreciate the constructive feedback of the reviewer – it has certainly helped the authors improve this manuscript. The reply is summarized as below:

1) Some confusing statements (e.g. landslide number, topic event, study period, etc.) will be modified in the revised manuscript.

2) The authors will provide and modify the description of data sources, quality, and accuracy (including rainfall information, satellite image, and seismic records).

3) More in-deep discussion on results will be added in the modified version.

4) The suggested modification of methods and figures will be done in the manuscript.

*Figure and Line by line reply have been provided with the supplementary file. Please see the attached material.

Please also note the supplement to this comment:
https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-126/nhess-2018-126-AC2-supplement.pdf

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