

Interactive comment on “Precipitation extremes on multiple time scales — Bartlett–Lewis Rectangular Pulse Model and Intensity–Duration–Frequency curves” by Christoph Ritschel et al.

Anonymous Referee #2

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Dears

Manuscript title: Precipitation extremes on multiple time scales – Bartlett-Lewis Rectangular Pulse Model and Intensity-Duration-Frequency curves

The comments are included at the bottom of this report.

This paper demonstrates the use of original Bartlett-Lewis models for simulating rainfall series having precipitation extremes on multiple time scales. I believe it is an interesting paper that confirms some of the problems already indicated for the model used. More is needed in terms of discussion and a clearer extreme-value analysis,

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possibly involving the examination of other cell intensity distributions and proposed a new version of the model, which they called the Modified Bartlett Lewis (MBL) model.

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/hess-2017-207/hess-2017-207-RC2-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2017-207, 2017.