

## ***Interactive comment on “Unrepresented model errors – effect on estimated soil hydraulic material properties” by Stefan Jaumann and Kurt Roth***

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We thank the reviewers and Conrad Jackisch for their constructive comments! We revised the manuscript accordingly and refer to it in the replies to the comments.

Please note that the original version of the manuscript included an error in the water content data preprocessing routine. This routine did not associate TDR sensor 27 with material A but with material B. Therefore, measurement data of this sensor which are close to saturation were neglected. We corrected this error and reran the 2D study. Hence, the resulting statistical measures and parameters changed slightly in the revised manuscript.

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Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/hess-2017-109/hess-2017-109-AC1-supplement.pdf>

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