

Interactive comment on “Hydrological appraisal of operational weather radar rainfall estimates in the context of different modelling structures” by D. Zhu et al.

E. Morin (Editor)

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The two reviewers are quite positive regarding the submitted manuscript. They point however to some issues that have to be addressed in a revised manuscript. Question on the suitability of the PRTF event-based model as well as on the duration of the model warm-up period are raised given the significant baseflow component in chalk catchments. If the authors decide to include it for reasons stated in their response they should discuss the limitations in the paper and whether the model performances can be attributed to these limitations. In addition, conclusions seem to be too strong compared to the results presented in the manuscript. Explanations are required on

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the use of multi-criteria for model calibration and on possible errors that are due to inappropriate representativeness of the entire catchment rainfall by the point rain gauge data. Some elaboration is expected on the potential use of more sophisticated radar gauge-adjustment methods. The authors should consider all comments raised by the two reviewers and address these comments in a revised manuscript.

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