

Interactive comment on “Inclusion of potential vorticity uncertainties into a hydrometeorological forecasting chain: application to a medium size basin of Mediterranean Spain” by A. Amengual et al.

F. Pappenberger (Editor)

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This paper has been reviewed by two anonymous reviewers, who on average suggested minor revisions. The paper can be accepted into HESS subject to these revisions.

The first reviewer states that "From my point of view, the conclusions are well supported. I believe this is a good contribution and deserves publication in Hydrol. Earth Syst. Sci.". The second reviewer states that "The paper is mostly clear, although the

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section describing the generation of the PV perturbations was difficult for me to follow, and there are a few missing details." - The authors agreed to address this in their revisions. The second reviewer also gives some guidance for further research such as "This would seem to imply a need to carry out the experiments at a higher resolution where orographic effects are better resolved. Have the authors tried this for any of the poorly performing cases?", which may go beyond the scope of this paper, but is highly welcome.

I am very grateful that the two reviewers took the time to read this paper and provide such helpful suggestions. I am also delighted that the authors considered HESS as the journal of their choice to submit their hydro-meteorological research,

regards, florian pappenberger

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 535, 2009.

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