

Interactive comment on “Comparison of hydrological model structures based on recession and low flow simulations” by M. Staudinger et al.

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This is an interesting paper.

It is my personal opinion that a case study on a single catchment provides too limited information to be of any generic use. But a single catchment remains interesting as an illustration, and this is why I regret not seeing any hydrograph, showing the different simulations yielded by the different model simulation.

Moreover, p.6843 and 6844, the way you present recession analysis is a little disturbing, it is not clear at first sight that it is a way of analyzing model results and not an additional multi-model treatment. Again, on a single catchment, you could as well show the reader

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directly recession curves and flow duration curves.

Two minor remarks:

. a typo in line 20, p.6842: NS varies between minus infinity and 1

. the review of model intercomparisons p. 6835 seems quite succinct... may I suggest you to have a look at a piece of work which still remains a reference by the number of models considered and the number of catchments? It did specifically consider low flows with the same criterion you use :

Perrin, C., C. Michel & V. Andréassian, 2001. Does a large number of parameters enhance model performance? Comparative assessment of common catchment model structures on 429 catchments. *Journal of Hydrology*, 242 (3-4): 275-301.

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