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Discussions

Interactive comment on "Importance of maximum snow accumulation for summer low flows in humid catchments" *by* M. Jenicek et al.

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Thank you for the careful reading of our manuscript and for giving many valuable suggestions to improve the figures. We will consider of all them and decide what would be good to implement in order to improve the interpretation of results and "story of paper". Below, we give some information which could hopefully explain why we created figures as they are in the current version. Please, see also our response to both reviewers.

The three elevation classes were explicitly used only in Fig. 2 and Fig. 3. However, some conclusions were formulated using elevation classes as well. To use the elevation classes systematically across all figures was also one option during manuscript preparation. However, some interesting and valuable information could be lost in this

case. Elevation is not the only factor which could be used to group catchments; similar classifications could be done also using maximum SWE or S/P. Although all these parameters are mutually dependent, some differences could be still found (compare maximum SWE and elevation in Simme and Vorderrhein as an example). Therefore, we decided to use classes only in some figures, but show the individual catchments in most figures where the number of catchments (14) still allows showing all catchments separately.

To display the DTM and/or color coding for catchment elevation in Fig. 1 will improve the readability of the figure. Thank you for this suggestion. Thanks also for comments regarding Figs. 2, 6 and 7. We will consider these valuable suggestions.

As for Fig. 8: Actually, we made two versions of this figure. The second version was exactly what you suggest (i.e., we wanted to put all points to one plot and show the "movement" of each catchment from June to September). However, the readability of such plot decreased because there were too many points and lines there (even if making two plots with two different sets of catchments). So in the end we decided for the current version for clarity.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 7023, 2015.