

## ***Interactive comment on “Analysis of the runoff response of an Alpine catchment at different scales” by B. Zillgens et al.***

### **Anonymous Referee #1**

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Paper address relevant scientific questions within the scope of HESS. Paper present a little novel concepts, ideas, tools or data. Conclusions are fuzzy, and not very clear. The scientific methods and assumptions are not clearly outlined. The results are not sufficient to support the interpretations and conclusions. Descriptions and calculations are not sufficiently complete. Basin characteristics and parameters affecting runoff (time of concentration, runoff coefficient, slope, vegetation cover, geological setting, area-elevation distribution curve etc.) of three analysed catchments are missing. Author should use classical hydrological parameters for explanation of classical hydrological processes. Main problem is not discussed at all. Influence of rainfall space variability for three different catchments. Language is correct. Generally, number and quality of references is appropriate. Paper should be subjected to major revision.

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Interactive comment on Hydrology and Earth System Sciences Discussions, 2, 1923, 2005.