

Interactive comment on “Investigation of dominant hydrological processes in a tropical catchment in a monsoonal climate via the downward approach” by L. Montanari et al.

L. Montanari et al.

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The Referee presented a complete overview of our paper and then he required some modifications of the paper itself. We are glad that he caught the principal topic of the study, which is the investigation of the hydrological processes occurring in the catchment and that he found it clear and well explained. We wish to thank him for the review and also for the good judgment he gave to our work. His main concern regards part of the conclusion and the data quality ascertainment, which we almost completely share. As we agree with the Referee this reply will be quite short, nevertheless, some of the points described by the Referee will be here extensively addressed.

Firstly, referring to page 161, lines 14-17 and from line 21, we wish to point that the regionalisation procedure is here just suggested and not fully addressed, as the Referee affirms. For this reason and because we believe that this research topic might be

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extremely promising, those lines were written to propose a way for further investigations and to suggest another application of the procedure here described. We agree that all these affirmations need to be proven and thus, in order to not appear as a demonstrated theory the referred sentences will be reformulated.

Page 163, line 25. As expressed in the previous point, we agree.

Page 165, line 12. The comment is accepted.

Page 165/166. The comment is accepted.

Page 165, line 12. The Referee id correct. We will change this sentence in the revised manuscript, by better clarifying that the preliminary analysis allows us to derive indications about the type of model is to be considered.

Page 170. Further details about the procedure and the obtained results will be added.

Page 171, line 7. The comment is accepted.

The remaining points, which are considered interesting and valuable, will be addressed to if we are asked to prepare a revised manuscript.

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