

Interactive comment on “Trend analysis of extreme precipitation in the northwestern Highlands of Ethiopia with a case study of Debre Markos” by H. Shang et al.

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“Trend analysis of extreme precipitation in the northwestern Highlands of Ethiopian with a case study of Debre Markos” Authors: H. Shang, J. Yan, M. Gebremichael, and S. M. Ayalew Manuscript ID: hessd-7-8587-2010

Recommendation: Accept after minor revision

General comments:

The paper analyzed the trend of extreme precipitation over Debre Markos, Ethiopia.

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The topic is very relevant over the context of climate change debate. This is a very well written article that gives a straightforward and concise description of the method and results. Although I'm not in statistic field, therefore not in a good position questioning the methodology, I think the scientific content is sound and the material is appropriate for HESSD. The grammar is quite good. The only general comment I have, to make this a stronger paper, is to expand the review of studies in long term trend of extreme precipitation, not only in Ethiopia, but also in other regions globally. This could go within Section 2 (Introduction), Section 3 (Methods), and Section 4 (Results). Not only the results of other related studies should be discussed, but also their methods in analyzing the climatological trend should be included and compared with the one used in this article.

Minor comments: 1) Fig. 3: There are 3 curves in each panel. What do these curves represent? 2) Fig. 5: Again, what do the 3 curves represent, respectively?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 8587, 2010.