

Interactive comment on “Analysis of predicted and observed accumulated convective precipitation in the area with frequent split storms” by M. Ćurić and D. Janc

Anonymous Referee #2

Received and published: 4 November 2011

Overall

It was a pleasure to read such a well presented topic that connects the atmospheric modeling of very complex split storms with surface and radar measuring, orography, and hydrology. The true value of the presented results is the demonstration of great perspective on cloud-resolving mesoscale models as a successful tool for their practical application in hydrology. This agrees with what the authors stated that the mesoscale models may soon become major contributors to improvements in hydrological analysis and predictions. From that reason I strongly support the publication of the

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manuscript.

General comments

1. The abstract reflects the key components of the paper in an appropriate and clear way. 2. The cloud model microphysics, dynamics, parameterization, and initialization are described and referenced in an understandable fashion. 3. The data collection for precipitation was selected appropriately and was suitable for the objective of the study. 4. The cloud model runs matched the duration and location of the real events in the way that the output results were adequate to compare with the observed values. 5. The used methodology for statistical analysis was appropriate and was clearly supported with the presented tables and graphs. 6. The content of the manuscript was well organized and easy to understand, with enough references to follow previous and additional research. 7. The result of the research has a measurable quantitative value with a suggested importance in its practical application in hydrology.

Specific comments

Correct spelling in page 7245 line 27 and Table 2: Ovcara Banja Correct spelling in page 7248 lines 21, 23, 25, and 28: Vuckovic Correct spelling in page 7247 line 28: Bulatovic

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 7237, 2011.

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