

P62 Data assimilation sensitivity tests using a convection permitting Rapid Update Cycle over Central Europe

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Currently, Quantitative Precipitation Estimation (QPE) is the main topic in the Research Group CAOS of the German Research Foundation. To achieve this, the previously developed RUC was further refined and is now performed at a horizontal resolution of 3km. Besides conventional observations we use GPS-ZTD observations from the European EGVAP network, conventional radar data from Germany and France as well as satellite radiances.

We will give an overview about the performance of our RUC system and will present a case study where we performed sensitivity tests regarding the use of radar and satellite data. In addition we will show the influence of changing the update frequency of our RUC system.