

Response to reviewer #1

The authors wish to thank the referee for his valuable comments that greatly improved the paper. In the last version, the abstract and conclusions underline the innovative use of non-adjusted QPEs derived for polarimetric weather radar data. The authors agree with the reviewer that the present work is the first step on a long road towards deeper analysis and regional investigations in non-homogeneous areas: further steps will be allowed by longer time series data that will become available by polarimetric weather radar in the next years.

Finally, as remarked by the editor, the reference list has been updated according to the Copernicus Publications requirements.