

Interactive comment on “Real time rainfall estimation using microwave signals of cellular communication networks: a case study of Faisalabad, Pakistan” by Muhammad Sohail Afzal et al.

C. Chwala

christian.chwala@kit.edu

Received and published: 7 March 2018

Dear authors,

it was interesting to read about your research in Pakistan. It is good to see a further country where this new and promising technique is applied.

I just have two small comments:

1. The term "real time rainfall estimation" in the title is a bit misleading since you do

[Printer-friendly version](#)

[Discussion paper](#)



your analysis with a historic data set. Getting data in real-time is however possible (Chwala et. al 2016) and might increase the potential for applications in the future.

2. Most newer publications use the abbreviation "CML" (commercial microwave link) to refer to the microwave links, e.g. from cell phone networks, which we typically use to derive rainfall information.

Best regards, Christian Chwala

Chwala, C., Keis, F., and Kunstmann, H.: Real-time data acquisition of commercial microwave link networks for hydrometeorological applications, *Atmos. Meas. Tech.*, 9, 991-999, <https://doi.org/10.5194/amt-9-991-2016>, 2016.

Interactive comment on *Hydrol. Earth Syst. Sci. Discuss.*, <https://doi.org/10.5194/hess-2017-740>, 2018.

Printer-friendly version

Discussion paper

