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## Rain monitoring with commercial microwave link networks in Sweden

*Tuesday, June 25, 2019 4:20 PM (15 minutes)*

Since 2015 SMHI, in collaboration with Ericsson and Tre, have been deriving the rain rate from microwave link data in Gothenburg in a semi-operational setup. We present how we measure rain with different networks of rain gauges, radar and microwave link in Sweden and discuss their strengths and weaknesses and how microwave links can help in gaining accurate rain rate measurements. Recently we also extended the microwave link trail to Stockholm and as a result we present verification results from both Gothenburg and Stockholm, where we not only look at the rain rate, but also how it effects hydrological modelling. We will also show the live demo that shows rain rate maps for Gothenburg and Stockholm in near-real time, where processing takes less than one minute.

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