

# **INTERCOMPARISON OF PRECIPITATION ESTIMATIONS USING TRMM AND OTHER DATA**

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In the scope of the EU project EURAINSAT estimations of precipitation using data from the Tropical Rainfall Measurement Mission (TRMM) are analyzed. The PATER algorithm is applied to TRMM passive microwave imager (TMI) data which are calibrated with active microwave data from the precipitation radar (PR) onboard the same satellite. The surface rain estimates are compared to independent data from other algorithms and to local area model data. The result of several case studies shows a good agreement in the detection of raining areas within the clouds and the different performances of the algorithms are identified.