



Rainfall intensities and patterns derived from MSG SEVIRI-data

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Different rainfall retrieval algorithms has been applied to MSG SEVIRI-data. From this it follows a modified retrieval technique adapted to the midlatitudinal weather conditions. It includes the following capacities: a cloud top temperature based rainfall assignment resulting from a statistical comparison between the temperatures in the 10.8 micrometer IR-channel and the radar data of the German Weather Service, the possibility of shifting the corresponding regression function in dependency of the topical tropopause temperature and a limitation of rainfall patterns based on microphysical cloud properties. First validation results are available. Additionally a quality field is in development.