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Bayesian Estimation of Precipitation from Space using the Cloud Dynamics and Radiation Database (CDRD) Approach: Application to Case Studies of FLASH and H-SAF Projects

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In a companion paper (Smith et al., this Conference), we describe the theory on which the Cloud Dynamics and Radiation Database (CDRD) approach for the retrieval of precipitation from space-borne passive-microwave radiometers is based. Here, we describe the CDRD methodology and our Bayesian CDRD Algorithm, and discuss the results of its application to some case studies of heavy precipitation over the Mediterranean/European regions, that have been considered within the European FLASH and H-SAF projects.