

Heavy Rainfall and Severe Local Storm in the Northeastern Indian Subcontinent

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Mesoscale severe local storms which occur serious damages in pre- and mature monsoon season in Bangladesh, are necessary to research. The number of death reaches more than five hundreds in a year on average from 1990 to 2005. Several types of meteorological instruments introduced for the observations with high temporal and spatial resolution. We installed an automatic weather station (AWS) and several automatic raingauges (ARGs) and utilized the weather radar of Bangladesh Meteorological Department (BMD). We will present the research results of several cases of severe local storms in pre-monsoon season and the rainfall characteristics in mature monsoon season.

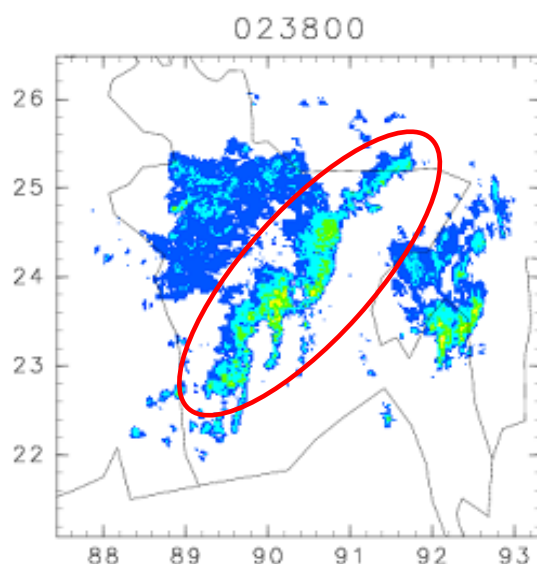


Fig.1 Radar echo of sever local storm in Bangladesh on 23 May 2004