

Asia Monsoon Year (2007-2012) Climate Monitoring over Bangladesh and northeast India

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Climate over the Northeastern Indian Subcontinent has the variety of weather phenomena, such as heavy rainfall in the monsoon season, severe meso-scale storms in the pre-monsoon season locally called as "Nor'westers" or "Kalbaishaki", and tropical cyclones over the Bay of Bengal in the pre- or post-monsoon season. We have been monitoring those phenomena since 2006, especially rainfall, using 40 raingauges and several automatic weather stations with high temporal and spatial resolution over Assam, Meghalaya and Bangladesh. This observation network includes the extreme rainfall area of Cherrapunji (Sohra) and Mawsinram over the southern slope of Meghalaya Plateau, one of the heaviest rainfall in the world. We will present and introduce our activities of climate monitoring, data collection, and field research of meteorological disasters.