



## **Rainfall Measurements at NASA Wallops Island**

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As part of the NASA Tropical Rainfall Measuring Mission ground validation program, a mid-latitude coastal ground validation site has been operating in the Mid-Atlantic region for over five years. The site includes micro- and meso-scale rain gauge networks. The meso-scale network consists of 20 tipping bucket rain gauge stations within 15-150 km of National Weather Service (NWS) S-band Doppler radar (KAKQ), located at Wakefield, Virginia. The micro-scale network consists of seven stations where each station has two tipping bucket and an impact-type disdrometer. The master site where optical, radar disdrometers, various precipitation gauges, and vertically pointing radars are operated, is within micro-scale network. The leading goal of the study is the study the performance of rain gauges and disdrometers for the NASA precipitation program. In addition, Wallops Island is a candidate for the upcoming Global Precipitation Measurement mission satellite validation site. We will present the resources of precipitating measuring devices and brief description of ongoing research activities at Wallops Island.