

***AN EVALUATION OF THE MMCR DOPPLER SPECTRA-BASED
HYDROMETEOR PHASE CLASSIFIER***

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ABSTRACT

A recently developed method of hydrometeor phase classification based on automatic analysis of MMCR Doppler spectra has demonstrated great potential as a reliable tool for revealing cloud phase structure with high spatial and temporal resolution. After an initial one-time training process using co-located HSRL, MWR, and MMCR measurements, the classifier thereafter operates solely on MMCR spectra, and can classify cloud regions wherever the radar beam penetrates. In this poster, we present analysis to quantify the accuracy of this phase classification technique.