

Estimating Systematic WSR-88D Differential Reflectivity (Z_{DR}) Biases **Using Bragg Scattering**



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•Developed an automated method for estimating systematic Z_{DR} bias with Bragg scattering on operational WSR-88D using Level II data •Estimates from Bragg scatter method applied across the fleet are comparable to systematic Z_{DR} bias estimates to the light precipitation method, but may be slightly more positive due to seasonal variability in the light precipitation method

Bragg scattering is an alternative external target to light precipitation for estimating systematic Z_{DR} bias

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