

Sensing the Atmospheric Boundary Layer

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In this project students will observe the structure of the region of air close to the surface, also known as the "atmospheric boundary layer," (ABL). The characterization of this layer has many implications for society including ,but not limited to, air quality, urban meteorology, and aviation. We will be using data from balloon launches at Brookhaven National Lab and data from instruments (microwave radiometer, and a ceilometer) here in CCNY to classify and estimate different regions of the ABL.