



Langley Aerosol Research GroupE (LARGE)



Solid Diffuser Inlet
*50 to 75 lpm excess flow available to other investigators

- ### Measurements
- Total, Nonvolatile, Ultrafine CN
 - Dry Particle Size Distribution: 0.01 to 10 μm
 - Ambient Particle Size/depolarization: 0.7 to 30 μm
 - CCN as function of saturation and sample temp
 - Aerosol Absorption and Scattering at 3 wavelengths
 - Aerosol hygroscopicity

- ### Added Data Products
- AOD and AAOD
 - Angstrom Exponents
 - $f(\text{RH})$ and γ
 - 3λ SSA
 - Dust size, loading
 - Cloud parameters

Science Focus: Use in situ observations to evaluate remote sensor and model data products