

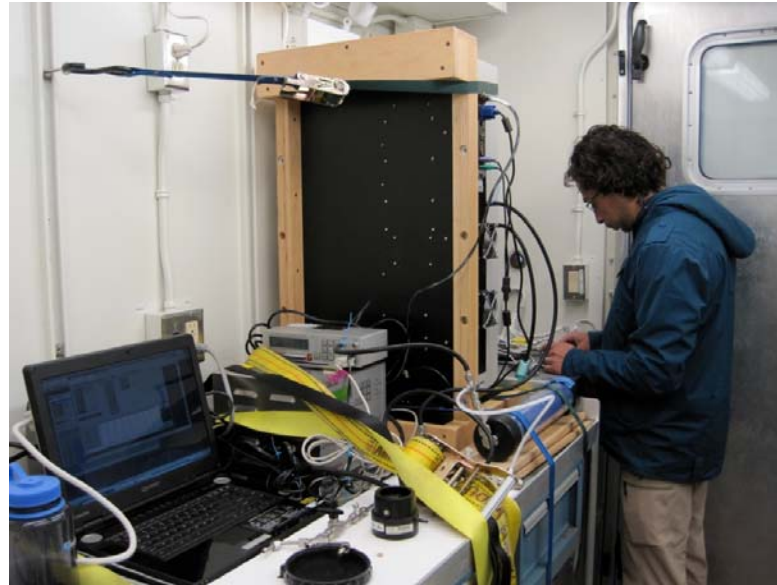
# Cloud Condensation Nucleation Measurements

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## 1. Online Measurements

Differential Mobility Analyzer-Cloud  
Condensation Nuclei Counter  
(DMA-CCN)

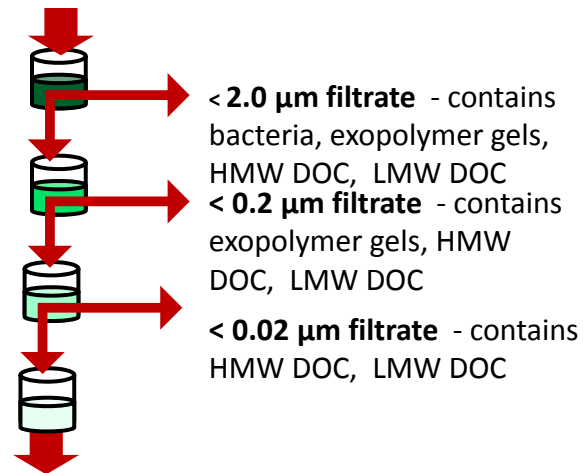
- Concentration of aerosols activated  
as droplets as a function of  
supersaturation  
(Using DMA allows this measurement  
to be conducted on 25 nm, 50 nm, 100  
nm, 200 nm aerosol samples)



## 2. Offline Measurements

Bucket-filtration-CCN measurements

- Direct Ocean-Atm Linkage  
A. Collection of Sea Surface Water Samples  
B. Biological Fractionation  
C. Reaerosolize for CCN measurements



**< 1000 Da MWCO ultrafiltrate** - contains LMW  
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