

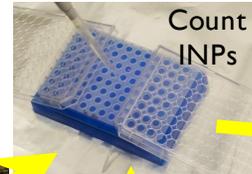
MARCUS ice nucleation measurements

Paul DeMott and Thomas Hill
Colorado State University

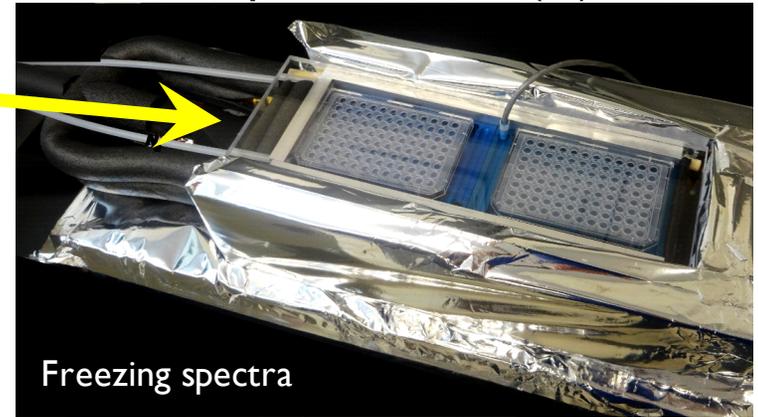
Ice nucleating particle measurements during MARCUS



Daily filters during cruises



CSU Ice Spectrometer (IS)



Funded:
Standard processing, thermal treatment

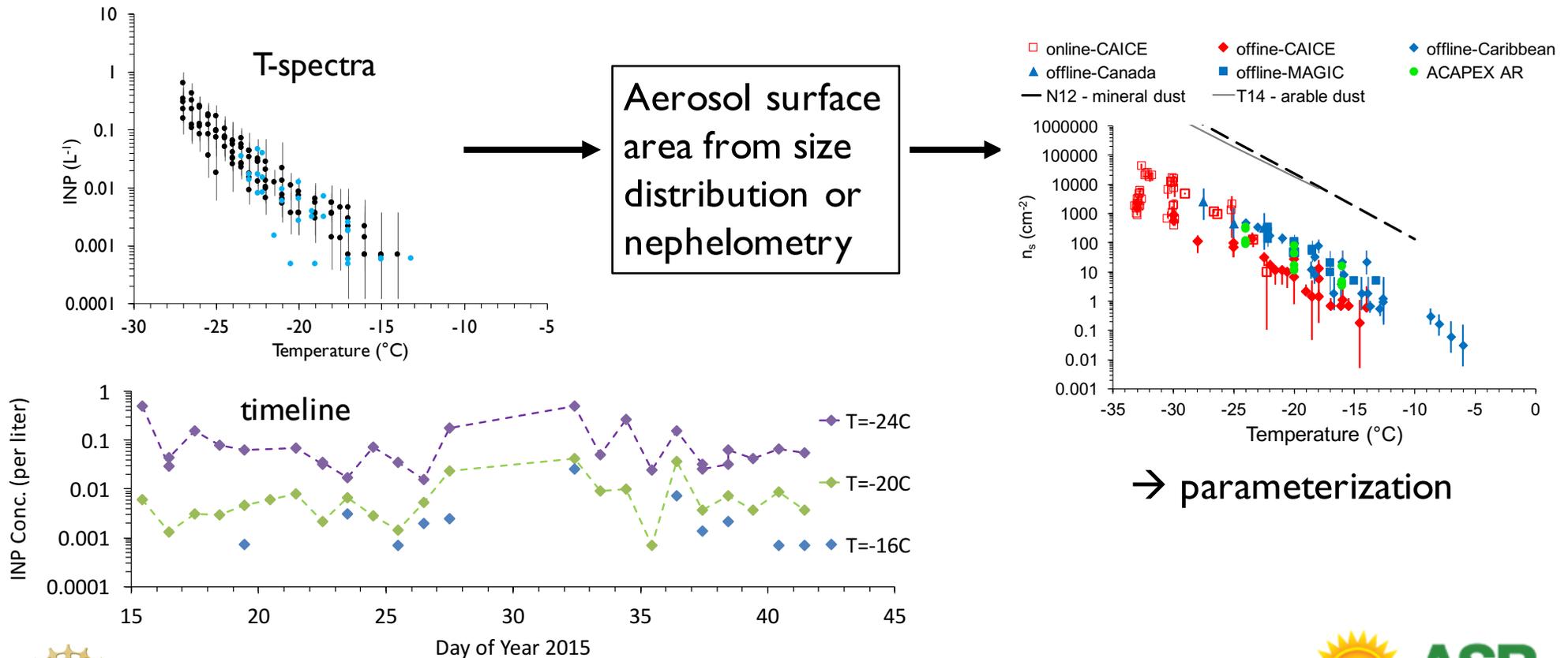
Reserved samples for future:
Genomic analyses, enzymatic treatments



2016 ARM/ASR Joint User Facility and PI Meeting MARCUS Breakout Session



Processing data and integrating with AMF suite (example: ACAPEX)



Integration with SOCRATES and CAPRICORN

Green: completed or confirmed

- **First CAPRICORN sampling just completed (March 14-April 18): IS and continuous flow diffusion chamber (CFDC)**
- CAPRICORN intensive (Jan. 2018): IS and CFDC
- SOCRATES flights (G-V) January 2018: IS and CFDC
- MICRE annual cycle at Macquarie Island (2017-2018): IS