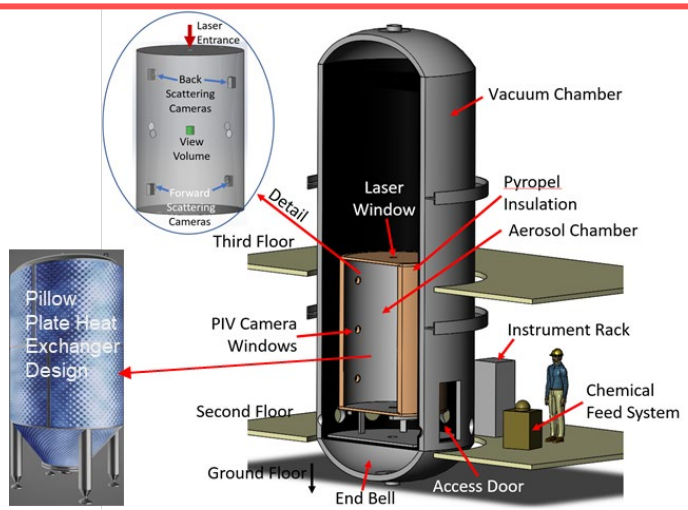
Planetary Cloud/Aerosol Research Facility

PI: Mike Pauken / Jet Propulsion Laboratory - Caltech Website: n/a

Description of Facility

- Overview of facility: Investigate formation, lifetime, and optical properties of planetary clouds and aerosols via condensation and evaporation processes in a temperature and pressure controlled atmospheric gas environment.
- List of available instruments or apparatus:
  - Scanning Mobility Particle Sizer Spectrometer
  - Aerodynamic Particle Sizer
  - Particle Tracking Velocimeter
  - Phase Doppler Particle Analyzer
  - Gas Chromatography/Mass Spectrometry
- Fraction of instrument time available to the community: 80%
- Type of access available: in person
- Restrictions on access: none, JPL visitor onboarding



Conceptual Configuration of the Planetary Cloud/Aerosol Research Facility

How to use the facility

- How to request access: Contact POC or other JPL science team member, will need funding from PSD ROSES program award.
- How requests are evaluated. Science team reviews PI proposals, provides proposing PI relevant guidance on facility capabilities.
- How requests are prioritized. First come, first serve, coordinated schedule with JPL facilities
- Operating cost: Chamber operations cost $8 to $20K/day depending on thermal loads plus experiment set up at $2K/day.

Contact information:

- Jet Propulsion Laboratory/California Institute of Technology
- POC for information and scheduling: Mike Pauken
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