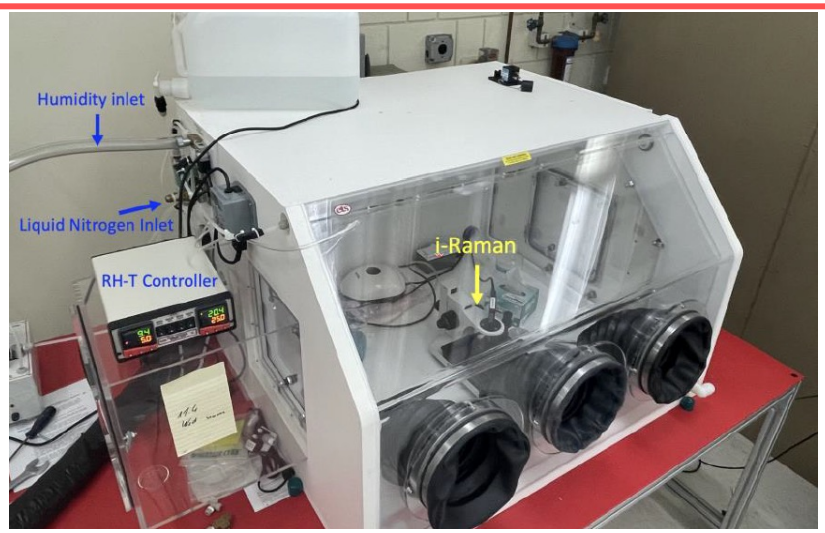
Controlled Environment Chamber (CEC)

PI: Deanne Rogers / SUNY Stony Brook University http://cpex.labs.stonybrook.edu/drogers/

Description of Facility

- The CEC is a glove box equipped with a relative humidity and temperature control system that permits experiments, spectral measurements and XRD measurements of RH/T-sensitive samples.
  Controlled Temperature Range: -25° C to Ambient
  Controlled RH Range: 2-85% @ 23° C
- Available instruments for use inside the CEC:
  - iRaman Plus spectrometer (532 nm excitation laser)
  - ASD VNIR reflectance spectrometer
  - Olympus BTXII X-ray Diffractometer
- 100% of instrument time is available to community if not currently in-use by SBU researcher.
- Type of access available: in-person
- Restrictions on access: none



Environment chamber with Raman spectrometer set up inside.

How to use the facility

- Request access by contacting Deanne Rogers or Lars Ehm
- Requests are evaluated based on relevance of proposed use to NASA objectives and feasibility of meeting proposed objectives with the facility
- SBU researchers receive first priority. External requests are prioritized based on the order received.
- Usage costs: free except for liquid nitrogen purchases for active cooling.

Contact information:

- Location: Stony Brook University Earth and Space Sciences Bldg. Stony Brook, New York, USA
- POC for information and scheduling (email, phone): Deanne Rogers, deanne.rogers@stonybrook.edu, 631-632-1509 or Lars Ehm, lars.ehm@stonybrook.edu