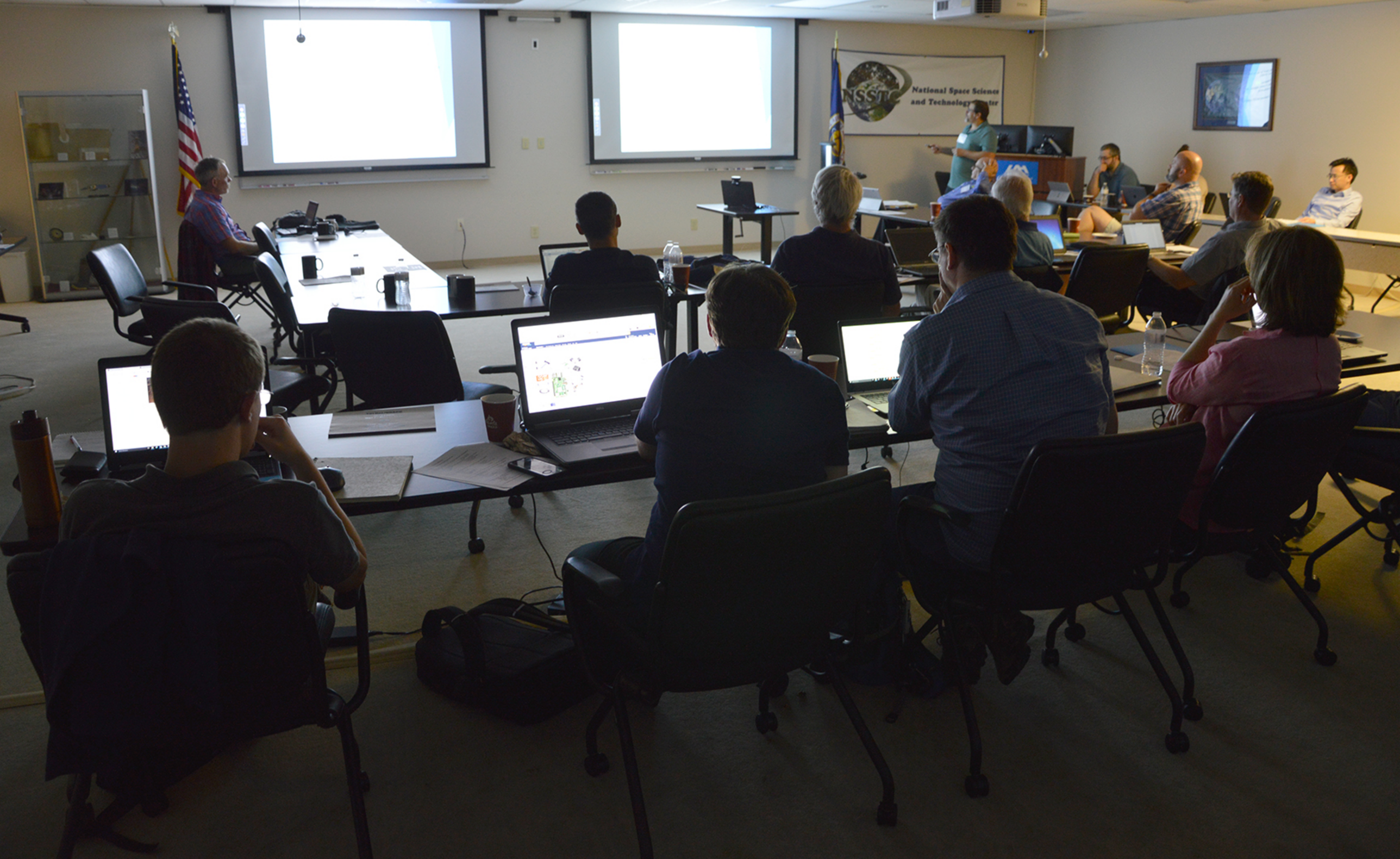
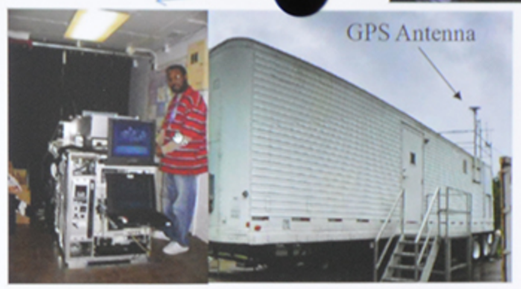
THE UNIVERSITY OF
ALABAMA IN HUNTSVILLE
Surface


National Space Science
and Technology Center

ALVICE Mobile Laboratory

- Unique set of instrumentation for atmospheric characterization transferred from NASA/GSFC to Howard University
  - Raman water vapor, aerosol, temperature, cloud lidar
  - Vaisala, Intermet, Cryogenic Frostpoint Hygrometer launch capabilities
  - GPS total column water
  - Ventilated NIST traceable surface reference station (P, T, RH) for radiosonde pre-launch accuracy studies and continuous atmospheric characterization
  - Independent water vapor calibration capability



IIP-developed RASL is the core of the ALVICE Laboratory

Completely independent launch capability for Vaisala and Intermet radiosondes and Cryogenic Frostpoint Hygrometer

THPRef station for radiosonde pre-launch accuracy studies and continuous NIST traceable surface reference data

UNITED
STATES

MOON
Touchdown
Liftoff
Rendezvous
Docking & Transfer

THE UNIVERSITY OF
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ATMOSPHERIC SCIENCE DEPARTMENT
EARTH SYSTEM SCIENCE CENTER

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