



MICHOUD

ASSEMBLY FACILITY

Metrology Laboratory

Accurate precision
measurement equipment
calibration services.

Fully accredited
calibration services
and certifications.



Calibration Capabilities:

- Alternating and Direct Current
 - Low frequency to 1000v
 - Resistance from 0.001 ohm to 1 Tohm
- Dimensional
 - Angular, Basic hands tools
 - ID and OD length to 10 millionths up to 80 in.
 - Steel Tapes (unlimited circumference and linear) with laser measurement accuracy
- Mass, Force, Torque
 - Mass: micrograms up to 2000 lbs.
 - Force: up to 300,000 lbs. (load cells, dynamometers)
 - Torque: 2 in. lbs. up to 1000 ft. lbs.
- Pressure
 - Absolute through 20k PSI
- Thermodynamic
- Optical Tooling
 - Transits, levels, theodolites
- Gas Flow
 - Automated calibrations from 2 sccm to 80 cfm



Metrology Management System:

- 432 calibration standards traceable to N.I.S.T. (National Institute of Standards and Technology)
- Maintenance of all records and certifications
- Automatic Recall Notification
- 30-day Advance Notice/Past Due Notice
- Reporting of Out of Tolerance – “As Found”
- Fully staffed with multi-skilled technicians and metrology engineers
- Active member of the NASA Metrology and Calibration Working Group (MCWG)
- Active member of the National Conference of Standards Laboratories International



National Aeronautics and Space Administration

Michoud Assembly Facility

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www.nasa.gov

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