
ac-s Repair Summary

Date 8/16/2016 Customer U of Maine

RO # 31072

S/N # ACS091 Technician Cad/bw

Cal # 7

Incoming Status/Noted Problems with ac Meter

- Pressure windows scratched.
- Collimation lenses chipped.
- One IR filter chipped.
- Reference 'a' cable was nicked.
- 'C' lens was chipped.
-
-

Standard Service

- Replaced pressure housing seals
- Checked all internal components for wear and damage
- Replaced 'a' & 'c' lamps
- Cleaned all optical components
- Focused and aligned optics
- Checked filter wheel motor registration
- Performed stability and noise tests
- Replaced desiccant, performed vacuum purge
- Performed shake and pressure tests
- Performed temperature, air, and water calibrations
- Updated meter's calibration information
- Compiled customer CD with calibration, device file, and air tracking file

Additional Repairs

- Replaced collimation barrels. OD was under spec.
- Replaced motor bearing. It was dragging just a bit.
- Replaced both collimation lenses.
- Replaced reference cable.
- Replaced chipped IR filter.
- Upgraded 'c' detector barrel.
- Replaced all three pressure windows.

Comments

•