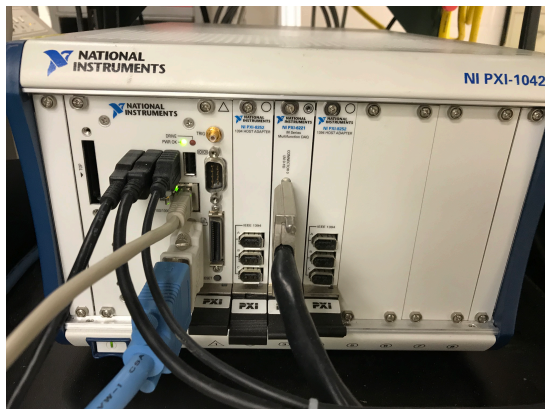


Labview software upgrades

- 1) Pressure in bubble chamber is now determined via a position sensor in bellows. Read position and compute pressure.
- 2) Beam shutter logic signal. This would allow beam only when liquid in bubble chamber has reached a superheated state.
- 3) Boiling veto. If liquid boils for some reason, veto system from reducing internal pressure.
- 4) Four point temperature reading with RTDs. For now, only average temperature is computed.
- 5) **Problem:** IP video camera takes ~1 min to boot with every run.



Labview software upgrades

- 1) Pressure in bubble chamber is now determined via a position sensor in bellows. Read position and compute pressure. **Done.** *Now need calibration: how?*
- 2) Beam shutter logic signal. This would allow beam only when liquid in bubble chamber has reached a superheated state. **Done.** *Is the shutter/valve heavy duty? The computer would close and open the beam shutter once every 10-20 seconds when in normal operation.*
- 3) Boiling veto. If liquid boils for some reason, veto system from reducing internal pressure. **Done.**
- 4) Four point temperature reading with RTDs. For now, only average temperature is computed. **Logic done.** *Needs wiring and testing.*
- 5) **Problem:** IP video camera takes ~1 min to boot with every run. **CLUELESS !!!**

