

# Yale Update: Sept. 27th

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ISU WEEKLY STAVE QC MEETING  
SEPTEMBER 27, 2018



# Where we are...

- ▶ Issues with...
  - ▶ Parts. Found many small things (cables and power supplies) were not readily available and had to be ordered or made. Missing a few major components
  - ▶ Techs. Electronics technician(Tom Barker) will be gone for two weeks on vacation starting early next week. He has tried to get all of the wiring together so that both systems run before he leaves.
- ▶ Been working on...
  - ▶ Figuring out what is needed. At this point, I think we have everything at least ordered...
  - ▶ Fixing chiller ctrl code in my down time...

# Stave 2R

- ▶ Stave 2R arrived on Monday and was bent.
- ▶ We should ask nicely for a metal case for this stave from Yale.
- ▶ They have a supplier that makes them for ~\$350. It is effectively a long rifle case.



# Thermal Setup

- ▶ Waiting on...
  - ▶ USB isolator for isolating the thermal logger. (Friday)
    - ▶ The new thermal logger creates ground loops via the chiller and the usb port making terrible readings. The old device did not have this problem meaning it is a hardware difference
  - ▶ Cabling from chiller and booster to pc. (Friday)
  - ▶ Arduino + Shield (Should be here in the near future->Early next week?)
  - ▶ Power Supply for flow meter?
  - ▶ Booster Pump controller?
- ▶ To be done soon
  - ▶ Chiller Wiring?
  - ▶ Vignetting Tests-HOPEFULLY TOMORROW
  - ▶ Flow Calibration-once we can get a power supply to it



# Laser Setup

- ▶ Waiting on...
  - ▶ Separate Computer
  - ▶ Power supplies for main components(laser, stage)
  - ▶ Plastic mounts to be printed
- ▶ To be done soon
  - ▶ Get laser power supply to work and power the



# Backup Slides