Safety Test

Summary:

* Dr. Gary Woods said everything looks good and should be safe

Recommendations (**bold** = feasible to adjust before final evaluation):

* **Trim wires connected to button drive**
  + Little bit of copper exposed
* **Move temp sensor to be directly where petrifilms are**
  + This way we know if Petrifilms are at ideal temperature
* **Wrap up uncovered portions with electrical tape**
  + Don’t want these portions cutting other wires
* Test max heat without control system
  + So we know max temperature that our system could reach; need to know if this is a safety concern
* Detach heating pad from wall
  + Significant amount of energy consumed from heating up inner wall of thermos
* Thicker wires for heating system
  + Would be ideal cuz this part requires more current
* Add something around battery to prevent it from sustaining water damage
  + If Petrifilms should leak for whatever reason, we want to have something already protecting the battery
* Power relay thing to turn of system incase something goes wrong
  + This would be a neat and important safety feature
* Use PCB or connector for Arduino Mega
  + Just some way to streamline and clean up wires