

Update: November 1, 2018:

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ISU WEEKLY MEETING
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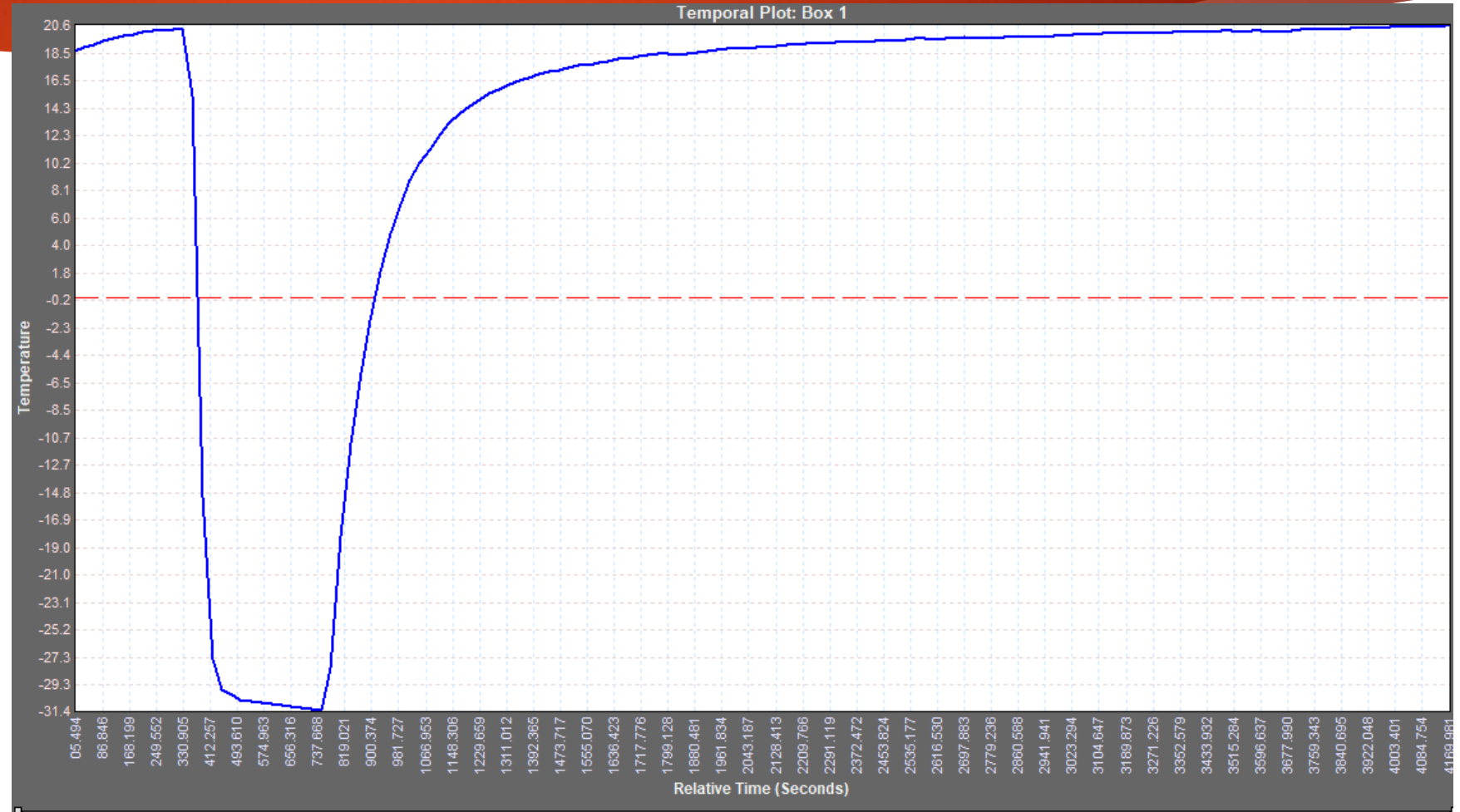


Since Last Week...

- ▶ Calibrated Flow meter. The slides for this are separate
- ▶ Started messing with cycling
 - ▶ Ran with auto flow at 1 l/min
 - ▶ Problem: In bypass mode pump setting is < 5 , in stave mode pump setting is around 32
 - ▶ Causes slow increase in flow when we shock stave. Takes about a minute to get up to 1l/min
 - ▶ Causes huge flow increase when changing back to bypass mode (flow rate is around 4 l/min)
 - ▶ Tested wait time for stave to return to room temperature. By just returning to bypass mode it takes < 20 min for the stave to get to around 18C
- ▶ Inlet thermocouple is not working correctly
- ▶ Worked on getting airflow lower.
 - ▶ Our box is quite leaky. Able to get positive outflow with 2-3 psi in and tape everywhere. (Yale was < 1 psi)

Initial shock and relax test

- ▶ Average over an area of the stove core as a function of time.
- ▶ Takes 85 seconds to drop to -30 C
- ▶ Held at minimum for around 5 minutes
- ▶ Takes around 18 min to get back to 18 C.



Backup Slides