Update #3
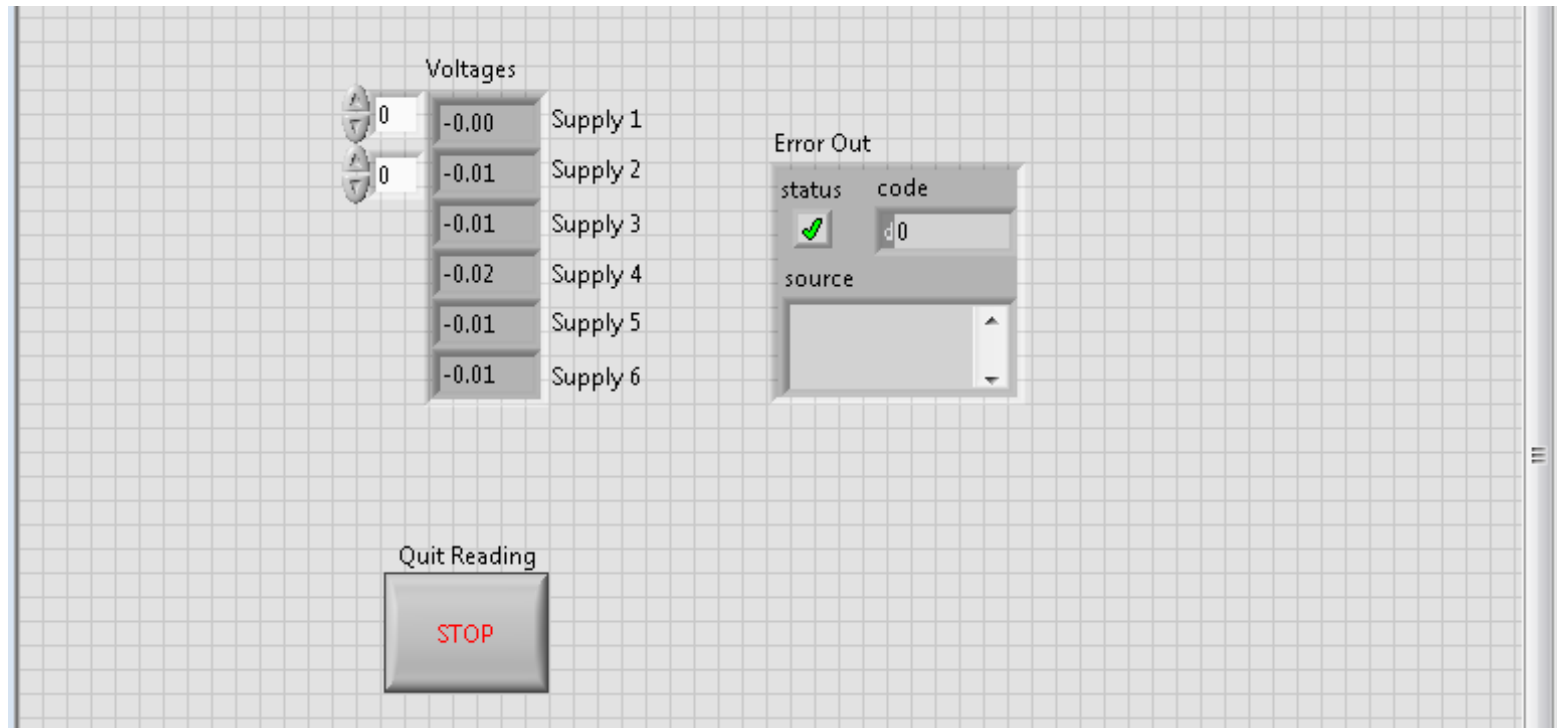
HITS FROG takes a Field Trip!

What have I been doing?

* Reading about Ultrafast Optics
  * Trebino slides – Nonlinear Optics
* NI USB DAQ in LabView – Digitize the HITS Lab
* Synchronization of FROG using PULSAR
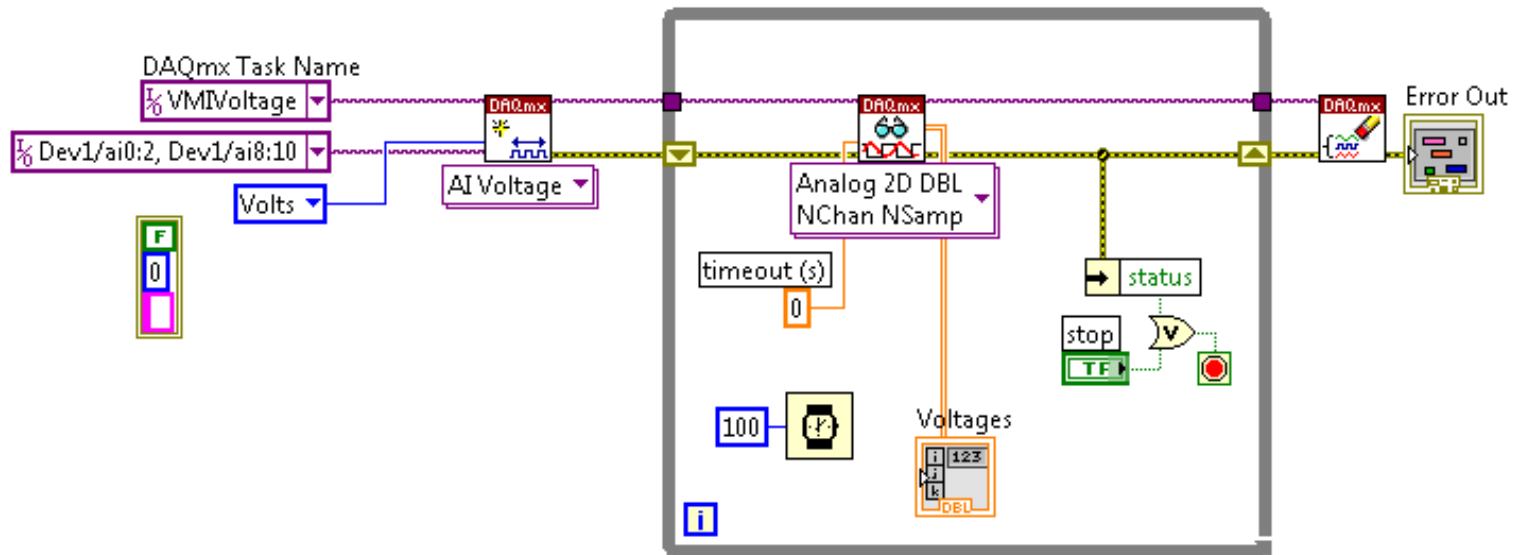* Comparing traces from HITS FROG and PULSAR FROG
* HITS Clean-Up!

DAQ

* Six Programs
* Lots of LabView
* Testing Batteries
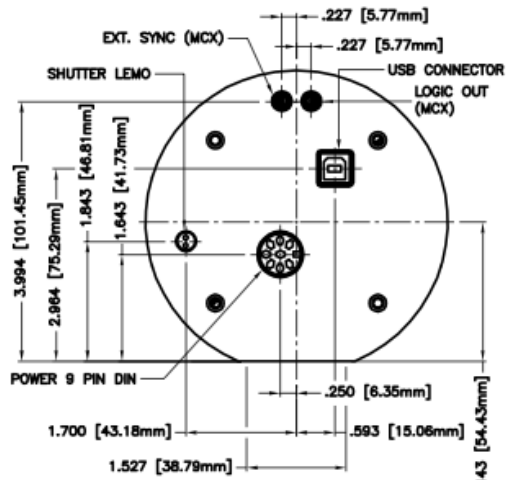* Between Computers
* Bad Soldering
* Mess of wires

Front Panel

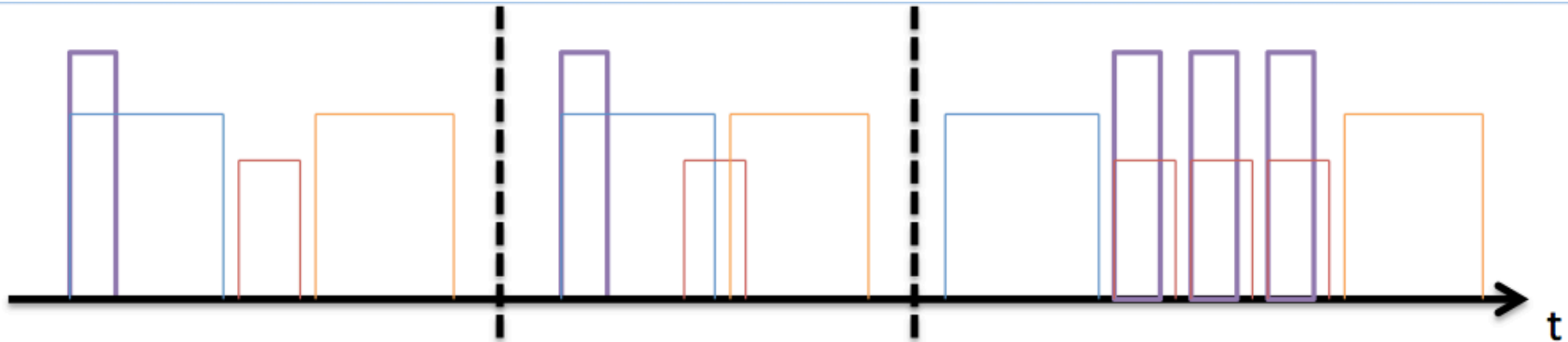# Block Panel

Synchronization by Trigger

* MCX to BNC Adapter Arrived
* Trigger worked
* Pulse Generator/Delay
* Oscilloscope
* Changing up the FROG program

What's Next?

* Calibrating Wavelength with Pixel Number
    * Laser Pointer
    * Ocean Optics Spectrometer
* Making sure we are at our best alignment
* Putting more power into the Spectrometer
* Taking more FROG traces
* See if our traces get better with less noise