

DSG-NPS R&D Meeting Minutes

Date: March 07, 2023

Time: 02:00PM – 02:30PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, and Marc McMullen

1. Thermal readback errors

Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, and Tyler Lemon

1. Discussed debugging of thermal readback system in EEL 108
 - Unable to get temperature readback from thermocouples attached to multiplexer 1 in the Keysight mainframe
 - Determined that the two cables attached to the multiplexer were connected improperly (cable for Bank 1 was plugged in to Bank 2)
 - After switching cables, read out all thermocouples attached to terminal block plugged in to multiplexer 1

2. Keysight Extension cable testing

Aaron Brown and Marc McMullen

1. Reviewed revised Python code used to test Keysight extension cables
 - Data now includes a timestamp after each temperature and voltage measurement
2. In an effort to create a temperature-controlled environment, placed thermocouples and terminal block inside an insulated bag during data collection

3. LED controls

Aaron Brown and Brian Eng

1. Code to generate VLD control GUI in progress
2. Adding PVs as well as pulse and bleach controls