

DSG-NPS R&D Meeting Minutes

Date: November 29, 2022

Time: 02:00PM – 03:00PM

Attendees: Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. Thermal readback

Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Tyler Lemon

1. Continuing debugging
2. Java updated automatically on cdaq13; had to change Phoebus launch script to reflect new version of Java
 - Pablo is retesting using Phoebus screens on cdaq13 from cdsg account

2. LV

Mary Ann Antonioli and Tyler Lemon

1. Tyler successfully ran an IOC and read data from the NPS MPOD
 - Currently, on cdaq13, the IOC files are at /home/cdsg/tlemon/npsLV/mpod
 - Future production files should be put in a directory in the EPICS base path (root/sudo privileges are needed to do this)
 - IOC is presently set up to only read voltage and current monitoring, but will be switched to full control/monitoring
 - For now, tests are completed and the IOC inactive
2. Will add V_{diff} and I_{diff} to screen and then test ($X_{diff} = |X_{set} - X_{readback}|$)

3. Hardware

Aaron Brown, Mindy Leffel, and Marc McMullen

1. 50-pin, D-sub, extension cables (10 required + 2 spares = 12 total)
 - First draft of schematic
 - Showmecables (from whom we purchased the 500 ft. spool we have on hand) does not have additional cable in stock
 - Buyer (Crystal Brinkman) is contacting manufacturer (West Penn) directly for 500 ft. spool
2. Mindy is making 15 ft. RTD extensions for 10 sensors (8 required + 2 spares)