

DSG Meeting Minutes – Wednesday, July 30, 2014

Antonioli, Mary Ann:

Hall B SVT

- Wired the back panel of SVT HV distribution box.
 - Wiring CPC connectors 1 and 2.
- Tested humidity temperature sensor boards 9, 10, and 11.
- Entered cost point items into progress spreadsheet for SVT.

Bonneau, Peter:

Hall B SVT

- Completed 1st version of the automated test station for the LTCC reflectivity tests of Winston cones and mirrors.
 - Obtained full administrative privileges from the computer center for LTCC test station computer.
 - Added features for selecting test or calibration runs and organized front panel controls.
 - Installed and tested NI USB - GPIB interface and Keithley 6571B electrometer on LTCC computer.
 - Built stand-alone LabVIEW LTCC test executable file for test operators (allows for running the test without installing LabVIEW on the operator computer).
 - Trained operators on running procedures.
- Coordinated software development for the SVT slow controls.
 - Completed EPICS slow controls prioritized task list and system documentation for posting and meetings.
- Troubleshooting of SVT temperature/humidity sensor board (open on power pin to H1 sensor).
- Specifying SVT equipment for purchase.
- Trained graduate student on SVT cleanroom procedures and equipment.
- Coordinated programming with Dave and Werth on **Hall D** target PLC controls.
 - Discussed communication problems with the Ethernet to PLC gateway.

Butler, Dave:

Hall D

- Working on code change for ramping up/down the current of the Hall D solenoid.
 - Operator proofing the ramp profile via code instead of previously decided procedural approach.
- Working on a plan for adding temperature monitoring of the Pair Spectrometer magnet.

Eng, Brian:

Hall B SVT

- Was at FNAL with next shifter for training on SVT module production.
- Tested with Sr-90 source Notre Dame scintillators that are to be used to generate a trigger for SVT R1 cosmic test.
- Extracted a summary table/spreadsheet from FNAL CMM database.
 - Trying to isolate bad flatness measurements in module production.
- Altered code on FNAL SBC test stand so that during gain scans it would be slightly more verbose with warnings/errors.

- Made videos from network cameras (right now are 1/2 resolution as source in order to reduce file size): <https://userweb.jlab.org/~beng/video/>

Jacobs, George:

Hall B DC

- Met with:
 - Senior management for the Hall B elevated gluing notable event,
 - Patrizia and Amrit regarding manpower and future plans,
 - Larry Weinstein, ODU about the Genie lift.
- Wrote a short bio as requested.
- Finished mechanical assembly of the DCGAS solenoid panel.
- Testing HV and DCRB on R2 S4.
- Compiled list of remaining tasks for CLAS12 DC.
- Wrote procedures for removing the R3 A-frame from the clean room, moving the R3 in the ESB to the EEL, and setting up for R1 survey in clean room.

Leffel, Mindy:

- Received 11 additional PMTs.
 - Cut jumper wires and modified five circuit boards.
 - Reworked three PMTs (total 98).
- Assisted with reorganization of cabinets and contents.
 - Submitted excess property for disposal.
- Worked with Tina to move 58 boxes of Winston Cones from the ESB to the EEL.
- Worked with Tina on the calibration procedure for Winston cones.

McMullen, Marc:

Hall B SVT

- Assisting, at Fermi, module production.
- Submitted to Latifa the list of spare cables and connectors which need to be procured.

Mann, Tina:

- Continued work on the Hall B LTCC Winston cone calibration/test procedure.
 - Organized dark box.
 - Measured a table in ESB for a LTCC packing station and picked up a cable organizer to go across the floor for cables coming from the photo-meters to the computer.
 - Researched packing material for LTCC.
 - Worked on test program for Winston cone calibration and measurement.
 - Moved, with Mindy, 58 boxes of Winston cones from the ESB and staged them over in the EEL on top of the cabinets.
- Organized DSG cabinets.
- Installed terminal cables in a SVT HV distribution box.
- Trained on and tested one HTSB cable.

Sitnikov, Anatoly:

Hall B CTOF

- Researched different methods of cutting and polishing boron-silicon fibers of diameter 0.3 mm for LED Calibration System (LCS) to (CTOF) Detector.

Teachey, Robert (Werth)

Hall D Target

- Successfully filled target using the PLC HMI.
- Troubleshooting issue of intermittent communication between the PLC NBX490 Ethernet module and the Lakeshore 336. Abandoned troubleshooting as the NBX490 module lost power to its internal network interface card.
- Researched alternative methods to communicate with the Lakeshore 336. The method chosen was to buy an ICS Electronics GPIB to RS232 converter and use the NBX435 RS232 module to communicate with the Lakeshore 336.
- Started the communication code to the Lakeshore 336 over the GPIB to RS232 converter.
- Troubleshooting indicator bugs on the control HMI.