

DSG Meeting Minutes – 4/23/14

Mary Ann:

- Completed HV section of signal name spreadsheet.
- Made changes to AutoCAD drawing of SVT end view, made jpegs of sections of the drawing, and inserted them into the SVT Geometry document.
- Updated SVT progress sheet with costpoint expenses.

Peter:

- Met with Dave and Werth regarding Hall D target controls. A development station is being setup at Werth's desk in the EEL R121 Lab. We will inquire about obtaining additional licenses for the PLC development program. Currently only two licenses are available.
- Programming a V450 test program for the EPICS development station. This test will ensure the long term stability of the of the V450 ADC EPICS driver. The test program will readout all 180 channels over the nine VME boards. This readout endurance test on the V450 driver will be using the VME patch panel (worked on by Mindy).
- Checking of the SVT HFCB gerber files.

Dave:

- Started setting up the target equipment for Werth and Pete in room 121 and also attended the target meeting
- Finalized the FDC/CDC Gas Purge procedure
- Assisted in troubleshooting the Solenoid Power Supply. The supply can now ramp to current and we can control slew rate remotely but not locally. We may have a rep come and work on it.
- Assisted with the pressure testing of the FDC gas system. We are having trouble with the 4-20mA signal going to the flow controllers.
- Tested the hardware for the quench detector digital potentiometer and started writing the code. Need to figure out how to setup the PLC for an serial integer array tag.
- Worked on code for solenoid power supply serial communication.

Brian:

- Installed rack-mount UPS for SVT crates (MPOD, VXS & slow controls)
- Dealing with EEL/121B cleanroom issues. There was a slip & fall incident, different/new shoe covers have ordered to try and mitigate further incidents.

George:

- HV and DCRB testing on R1S6
Reviewed and commented on the drawings for LTCC pressure protection bubblers and gas distribution system valve panel
Several meetings about hot work permit requirements for the new DC gas supply lines running from the gas shed into the hall
Meeting with designer on LTCC gas system components
Continued work on the new DC gas supply line installation
Continued QA on R1 DC

Marc:

- Traveled to Compunetix to observe 10mil stencil use on Nanonics.
- Received and qa Bus Cable Panels 2 total good out of 5, 1 partial (5 of 6).
- Submitted HFCB V2.2. Received and verified approval files.
- Completed install steps document.

Mindy:

- Rerouted the trace on 30 PMT circuit boards; cut and stripped 40 sets of five jumpers wires (200 total), used to attach circuit boards to PMTs; documented small particles of trash contained inside of the sealed circuit board packaging.
- Worked with Werth and Tina to retake measurements on four HFCBs.
- Removed wire bonds, chip and conductive epoxy residue from the U3 position of HFCB S/N 2-P4.
- Diagrammed work table layout, for reconfiguration to include the 8' table from the cleanroom.
- Populated and applied epoxy to three humidity/temperature sensor boards.
- Submitted CCPR for phone line for Tina and submitted work request to swap an 8' table from the cleanroom with 6' table from upstairs.
- Started cleaning work area for Tina.

Tina:

- Start assembly on: 3x24" 19pins, 2x30" 32 pins, 1x30" 10 pins

Werth:

- Loaded and setup the Fermi Module Production Test Software onto the JLAB Module Reception Test Stand. Software has been running 1.5 weeks with no memory leaks or other issues.
- Added pictures to the Fermi Module Production Software User's Manual. Mindy will run through the procedure this week.
- Collecting details of Hall D's GLUEX target (schematics, signal lists, etc.) Attended Hall D's target meeting and met with the group. This information will be used to develop read back, controls, and interlocks for the Hall D target.
- Setup of PLC controls in EEL 121 with Dave Butler for Hall D's target. Dave is still working on getting the control PC on the network.