DSG Meeting Minutes – Wednesday, August 06, 2014

Antonioli, Mary Ann:

Hall B SVT

- Tested humidity temperature sensor boards #7 and #12.
  - Retested board #8; still had a problem. After troubleshooting and repair by Mindy, tested OK.
- Added labels to slow controls AutoCAD drawing for V450, HV, and LV modules, indicating region and modules for hook-up.
  - Extracted information from spreadsheet.
- Terminated cables and hooked them up to back panel connectors 3, 4, and 5 of the HV distribution box.
- Fabricated RS232 cable for **Hall D** target controls.
- Updated staff list on DSG webpage.
- Attempted to resolve issues with dsg-internal mailing list. Still having some problems.

Bonneau, Peter:

Hall B

- Worked on the **LTCC** automated test station.
  - Calibrated system timing.
  - Synchronized the monochromator's control and acquisition programs by adjusting the timing parameters of the acquisition program with the control program.
  - Condensed operator front panel controls and moved the adjustment functions not commonly used to another tab for expert operators.
  - Recompiled with the new timing default parameters and installed the executable program.
  - Installed drop box for test operators.
- Assigned silicon sensors for the remaining **SVT** production modules P45 – P82.
- Attended **Hall B slow controls** meeting.
  - Assigned operators for the SVT slow controls system. DSG and the Accelerator Controls Group will work on setting up a dedicated workstation on the accelerator subnet in the EEL.
- Discussed with Dave and Werth the replacement of the **Hall D target controls** 460NBX Ethernet to PLC gateway because of its communication problems.

Butler, Dave:

Hall D

- Working on magnet ramping code.
- Working on a plan for adding temperature monitoring of the Pair Spectrometer magnet.
  - Checking if monitoring current and temperature correlates to NMR probe field readings; if so, no permanent NMR probe will be installed.

Eng, Brian:

Hall B SVT

- Determined *hblin2* (CUE Level 2 Linux machine for SVT) failed to start up consistently after installing updates (either took much longer than usual or would get stuck at various points of booting) due to failing hard drive in RAID1 array, which has since been replaced and array is automatically rebuilding.
- Meeting with ACC with a focus on SVT slow control needs for upcoming month.
  - Had separate meeting with their developer regarding MPOD crate.

- Installed ACC controller and terminal server in the cleanroom for the SVT slow controls.
  - Including the VME crate itself, all the devices are on the ACC subnet.
- Performed gain scans on all ten SVT R1 modules prior to powering down system for mechanical group survey.
- Meeting with Hovannes Egiyan and Stepan Stepanyan to discuss the possibility of using existing PLCs for the HPS SVT's MPOD interlocks.
- Tested 8 unpopulated HFCBs.

Jacobs, George:

Hall B

- AES travel 4 - 9 Aug for **Magnet** conductor QA.
- Meeting with:
  - Bob Miller and Paul Hanson regarding TORUS cable trays and gas manifolds.
  - Latifa and Glenn, on DC project status.
  - Technical Design Group (TDG) general project status.
  - Engineering group general status.
- Generated:
  - New HBlist for **DC** for moving R3S4 from the ESB to the EEL - task#830.
  - New hot work permit for continuing the NEW DCGAS lines.
- Removed **DC** R3S6 off the spit (ready for wire wrapping and instrumentation).
- Generated and distributed, for Aug 4-8, work list for **DC** stringers.

Leffel, Mindy:

Hall B

- Reworked five **CTOF** PMTs for a total of 103; four remaining.
- Continued working on **LTCC** Winston cone calibration and test setup/procedure.
- Labeled and tested **SVT** humidity temperature sensor board #13.

McMullen, Marc:

Hall B SVT

- Testing production modules at Fermi.
  - Modules P33 and P34 completed (top and bottom sensors bonded, have acceptable gain scan.)
  - Module P34 has a crack on the Top "I" sensor made during sensor installation. No apparent effects during gain scan, or current.
  - Module P33 needs work done on the Nanonics connector (J2), pins 1 and 2 have been shorted together at some point and are lifted from the FR4.
  - Module P32 (cracked sensor) completed but noise is high (greater than 2K), current is good.
  - Module P30 and 31 are on hold due to bowing being out of specification.
- Testing the 10 HFCBs received from Compunetics.
  - Cleaning the residue left on the pads by the precut Kapton tape.

Mann, Tina:

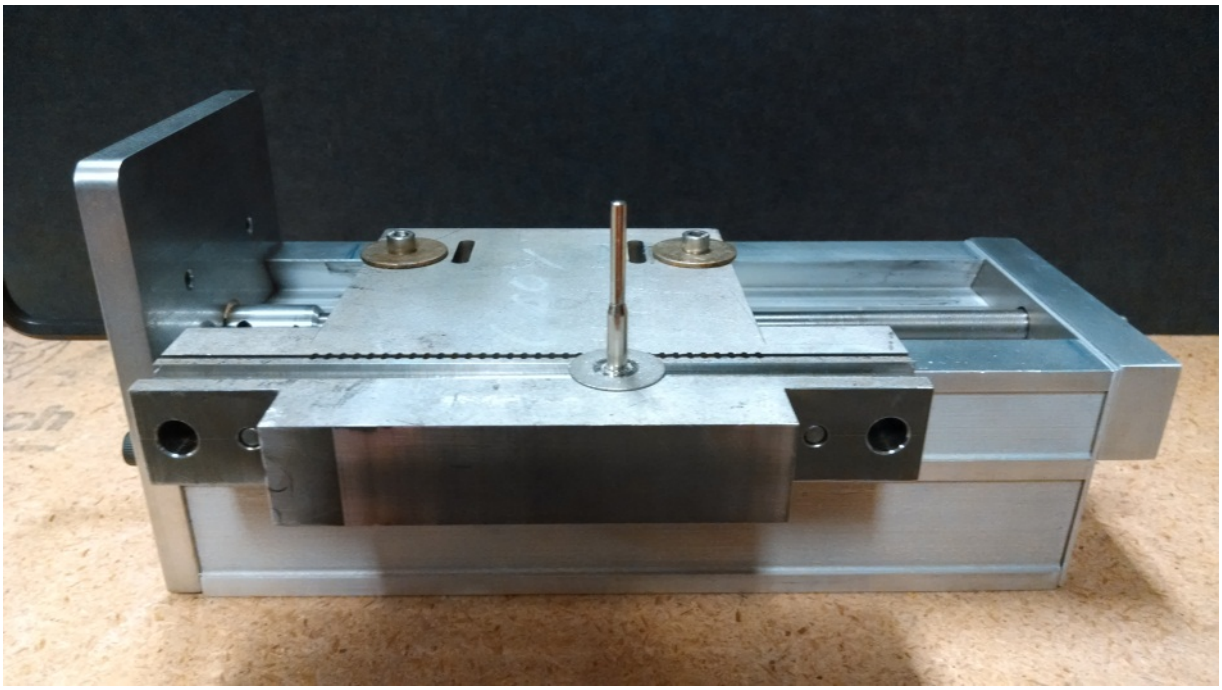
Hall B LTCC

- Learning how to use the new calibration/test program from Peter.
- Set up lens alignment, rails, and Winston cone inside the dark box.

Sitnikov, Anatoly:

Hall B CTOF

- Assembling of arrangement for cutting and polishing 1.4 mm boron-silicon fibers.
- Cutting and polishing 0.3 mm boron-silicon fibers for testing. Quantity 4 pieces.



Fiber cutting fixture designed by Anatoly

Teachey, Robert (Werth)

Hall D Target

- Configured new 435NBX RS232 module to replace broken 460NBX ethernet module.
- Configured the ICS Electronics RS232 - GPIB converter.
- Wrote test code to test command and readback between the RS232 - GPIB converter and Lakeshore 336.
- Troubleshooting communication issues between the RS232 - GPIB converter and the Lakeshore 336.
- Started power point presentation for the Hall D target controls meeting.