

DSG Weekly Report – July 1, 2015

Antonioli, Mary Ann:

Hall B

DC

- Coordinating and overseeing activities on signal cable fabrication, repairs, cleaning, sorting, and inventorying:

HDICE

- Attended the daily program development meeting.
- Toured HDICE Lab.
- Completed version 1 of the LabVIEW program for automatic rotation of target polarization.

Hall D

Meeting

- Attended DSG group's daily meeting on magnet and detector performance.

Arslan, Sahin:

Hall B

DC

- QC-ed signal cables.

HDICE

- Set up test stand in DSG clean room EEL 124

Bonneau, Peter:

Hall B

HDICE:

- Conducted daily HDICE slow controls status:
 - Contacted CAEN regarding progress on CT-box (current shunt) progress. Box will be shipped to within the next two weeks. Box will need a firmware update upon arrival. Firmware revisions will be included in the final manual.
 - Setup of test station moved to DSG cleanroom.
 - Power panel with cable adapters, RF Attenuation/Switching chassis, National Instruments RS232 and RS485 interfaces, and computer have been installed.
 - Submitted CCPR for setup of new mailing list for DSG work. As per Andy's request included on the list are Michael Lowry, Tsuneo Kageya, and Charles Hanretty.
 - Progress on the Rotation of Target Polarization program was discussed. At per Xiangdong's request, a pause feature has been developed to halt a ramp in progress. Upon release of the pause function, the halted ramp will continue to completion.

SVT

- Added RTD temperature, humidity, and dew point interlock set-points for the user interface and the updated the cRio Real Time Operating Program to accept the set-point commands.
- Programmed interlock status interface and added to the RT subroutines.

Hall D:

Meeting

- Conducted DSG group's daily meeting on magnet and detector performance.
- Reviewed problems with the solenoid magnet controls caused by network maintenance.
- Examined the status of the Hall D slow control systems on a daily basis.

Meeting

- Conducted daily status and instructional meeting on Hall D systems.
- Reviewed problems with magnet temperatures which required a resetting of the LakeShore electronics.

Butler, Dave:

Hall B

- Received and logged following parts for the gas system: 2 cRIO Controllers (hardware/cables), 5 Moisture Sensors (hardware and cables) and 2 Touchscreen Monitors (mounting hardware).
- Testing functionality of received items.

Hall D

- Resolved network issues with the magnet PLC controls and the AENT2 network modules in the hall.
 - The control of the nitrogen system was lost for a short time but was recovered after I reset the PLC and Jonathan Creel (cryo) confirmed that control was reestablished.

Meeting

- Attended DSG group's daily meeting on magnet and detector performance.

Eng. Brian:

Hall B

SVT

- Performed calibration scans on all modules.
- Started data run on R1-3 with self-trigger.
- Attended Review for mechanical integration of R1— R3 with R4 and transportation/installation in Hall B
- Continued development of program get MYA data for EPICS PVs.
 - Currently stores data as time graphs, need to implement Tree storage next.

HDICE

- Finally heard back from Molex (parent company of Temp-Flex) about custom cable assemblies. **Minimum order is 100 K\$**, looking into getting just the cable, if that doesn't work out will look for different cable

Hall D

- Investigated problem with solenoid temperatures (Tom Carstens made logbook entry that some values were 0 or 999K). Found it was due to the LakeShore & PLC communications, resetting the LakeShores returned sensor values to expected values.

Meeting

- Attended DSG group's daily meeting on magnet and detector performance.

Jacobs, George:

Hall B

Gas System

- Updating DCGAS and LTCC gas operator manuals.
- Replaced the gas cylinder safety chains and clips on the NEW EEL rack and the old 96B helium supply rack
- Decommissioned DCGAS system Panametrics based H₂O monitoring instrumentation
- Created facilities management work request to excess obsolete equipment:
 - Panametrics H₂O instrumentation equipment
 - MKS type 651 press controller and two control valves

Meetings

- Discussions with Mac about DC signal and HV cables and gas procurment for the DC test stand in EEL 125.
- Discussions with Dennis Merrit about the EEL gas cylinder rack installation

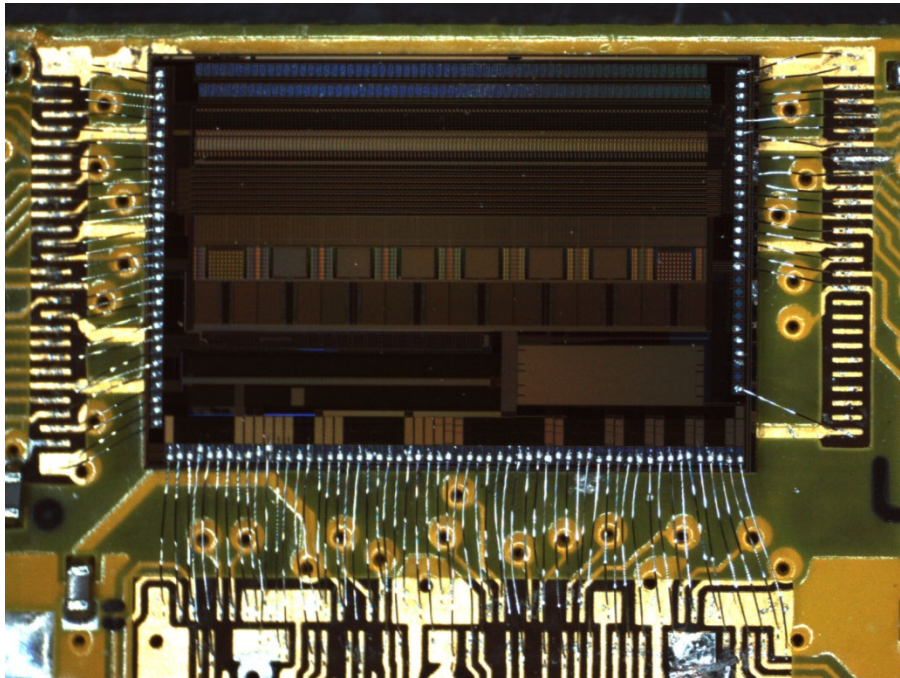
Hall D

Meeting

- Attended DSG group's daily meeting on magnet and detector performance.

Leffel, Mindy:

- Adjusted wire bonder to allow for attachment of bonds that didn't bond initially
- Completed replacement of chip U3 on HFCB test board 2-P4.



Wire bonded ASIC FSSR2

- Toured HDICE lab.

Mann, Tina:

- No report – vacation

McMullen, Marc:

Hall B

Gas System

- Received chassis front panels; fit tested connectors and moisture sensors.
- Setting up a cRIO to measure ambient temperature and humidity readings.

SVT

- Attended mechanical readiness review.
- Working on Hardware Interlock System's chassis.
 - Modified three HTSB extensions for temperature and humidity signals hook-up to the cRIO.
 - Fabricated six HTSB extensions, three will be used to connect detector temperature and humidity to the aforementioned HTSB extensions, other three will be spares.

Sitnikov, Anatoly:

Hall B

DC

- Separating dirty signal cables from clean signal cables.

Teachey, Robert Werth

- No report – vacation