

Minutes of FPix DCS meeting on 11/17/05

Place: Fermilab WH8X

Date/Time: 11/17/05 9:30 Am

Attendance:

Lucien Cremaldi, Umesh Joshi, Dongwook Kim, Simon Kwon, Charles Newsom, David Sanders, Ping Tan, Christian Veelken, JC Yun

News:

Status report on the DCS work can be found in the link:

[https://docdb.fnal.gov/CMS/DocDB/0005/000564/002/FPix%20DCS%20Status%20Report 11 16 05.ppt](https://docdb.fnal.gov/CMS/DocDB/0005/000564/002/FPix%20DCS%20Status%20Report%2011%2016%2005.ppt)

Comments:

Christian's proposal on the testbeam safety system should be discussed thoroughly at a DCS meeting in the future.

Temperature sensors:

Charles' thermal sensor placement scenarios are in the following link:

<https://docdb.fnal.gov/CMS/DocDB/0005/000547/002/DCS%20Input%20data-1.xls>

Comments:

In his spreadsheet the 'RTD' represents a hardware readout while the 'rtd' stands for DCU readout. Please click on the summary tab to see the comparisons between options.

We agreed to go for hardware readout as much as we could. One notable reason is the uncertainties with the DCU readout. The option #2 in the spreadsheet seems the most similar to what we are converging to, where all the panels are monitored through hardware readout.

Simon suggested that we should use all the readout cables, which were allocated for the 3 disk system. First we should gain experience with the system with 2 disks. When we install the final system with third disk, we can optimize the cable usage.

Finite State Machine:

Christian's talk can be found in the following link:

<https://docdb.fnal.gov/CMS/DocDB/0005/000548/002/testbeamDCS.ppt>

Comments:

Christian said all the panels developed at CERN are monitor resolution sensitive. We need to acquire a monitor with a matching resolution for the DCS computer at SiDet.

Others:

Lucien agreed to meet CMS DCS people while he is visiting CERN during the CMS week. Charles will send him a list of things to discuss with the DCS experts at CERN. JC also asked him to inform them about FPix DCS meeting to improve CERN – FNAL coordination.