Minutes of FPix DCS meeting on 11/3/05

Place: Fermilab WH8X

Date/Time: 11/3/05 9:30 AM

Attendance:

Lucien Cremaldi, Erik Gottschalk, Umesh Joshi, Simon Kwon, Sergey Los, Charles Newsom, David Sanders, Ping Tan, JC Yun

Temperature readout:

Sergey gave a talk on sensor readout.

https://docdb.fnal.gov/CMS/DocDB/0005/000539/002/Shall%20we%20use%20the%20DCU%20Readout_Oct05.pdf

Comments:

Sergey said it's not so difficult to calibrate 2 wire readout through Siemens PLC program. Four wire readout eliminates the calibration but we need twice more wires.

Charles said he is going to discuss this issue with Lucien in detail and let Sergey know by early next week. He also said he will talk to Kurt to see if we can have 6 cables instead of 4 cables per side.

Lucien said the sensors are on the portcards in Sergey's design and this will be too far from chips. He suggested that we place the hardwired sensors on blades. The sensors on portcards should be read out through DCU.

Lucien's talk

In the slides he show sensor positions in the cooling system.

https://docdb.fnal.gov/CMS/DocDB/0005/000527/001/Temperature%20Sensor%20Proposal.pdf

Kurt's e-mail on readout wires

---------- Forwarded message ----------
Date: Thu, 03 Nov 2005 16:30:51 +0100
From: Kurt Gabathuler <kurt.gabathuler@psi.ch>
To: Charles Newsom <cnewsom@newton.physics.uiowa.edu>
Subject: Re: question

If you talk about cables for sensors:

Per side you will have 4 cables with 36 twisted pairs each (72 wires each).

Please note that we forsee 4-wire readout for the sensors.

I dont have an updated drawing of the cable yet, but it will consist of
a filler at the centre
followed by a ring of 6 pairs

followed by a ring of 12 pairs
followed by a ring of 18 pairs+1 filler.

Christian/JC's talk on testbeam and SiDet DCS activities

https://docdb.fnal.gov/CMS/DocDB/0005/000538/002/FPix%20DCS%20status_11_02_05.pdf

Comments:

Christian was appointed as a contact person for the DCS database issues. He said he will send an e-mail to Sascha to acquire information on the interface between the PVSS and the Oracle database.

Erik suggested someone with PVSS license at FNAL should subscribe 'PVSS news letter' for new developments in PVSS. JC volunteered for that.

Umesh said there will be a CMS DCS database meeting on 11/11 at CERN.