

Minutes of FPix DCS meeting on 2/9/06

Place: Fermilab WH8X

Date/Time: 2/9/06 9:30 Am

Attendance:

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

News:

There will be a joint Tracker DCS meeting on Tuesday(2/14) 11:00 – 13:00. The SiDet conference room is reserved. You may also join through VRVS Sunset virtual room.

Charles' Trip Report:

Please refer to the DocDB #730 for his slides.

<https://docdb.fnal.gov/CMS-private/DocDB/ShowDocument?docid=730>

- Current leak detection resolution of the cooling fluid, C₆F₁₄ is known to be ~1Kg. Charles and others argue that we need much better sensitivity and advocating installing sniffers for leak detection and diagnostic purpose.

- Simon will take FNAL cooling data, which will be provided by Joe Howell, to CERN.
- Lucien volunteered to test evaporation rate of C₆F₁₄. This is to understand whether puddles of C₆F₁₄ will form on the bottom of the service cylinder when there is a serious leak.
- Andromachi offered help on purchasing and manufacturing connectors and cables for Forward Pixel.

JC's Trip Report on DCU readout:

- DCU's are equipped with built-in temperature sensor which has resolution of 2 degrees of Celsius without calibration. To get resolution of 0.5 degrees Celsius, we should calibrated it after the board is fully assembled.
- Alessandro Marchioro(CERN) suggested that we make our own simple test board to gain experience with VME and DOH readout.

→ DOH

→ CCUM

→ DCU

→ Philips 8574 (8 bit

I2C I/O Port)

- He will provide us 10 CCUM and 100 DCU chips in a week or so. They should be ready for pick up when Simon visits CERN next week.

Christian's PVSS – XDAQ work:

Christian successfully tested communication between PVSS and XDAQ.

Please refer to the DocDB #718 for his slides for more details.

<https://docdb.fnal.gov/CMS-private/DocDB/ShowDocument?docid=718>

Oracle Database:

Gennady installed PVSS in his computer and started working on PVSS - Oracle database interface work.