



# Monitoring & Control Systems

- Shutdown news (February 27—May 25); for general details see SPL meeting 02/20/2006 (R. Tesarek)
  - Will convert to iFIX 4.0 (new iFIX USB keys/dongles locked inside cases)
    - Requires conversion of “pictures” but no relink of applications
    - However, can’t mix running iFIX 4.0 & iFIX 3.0; until all PCs converted, some will have to run iFIX 4.0 in local mode until all nodes are converted
    - Even though not needed, would be good to relink applications, so problems are found during shutdown, not while running
    - Conversion starts this week (after recovery from outage 3/18) due to detector tests up to that point
    - Will add development PCs after online PCs are done





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■ (Minor) improvements on individual PCs and associated hardware:

■ MUON3

- New problem: PC rebooting without user intervention
  - Fix: apparently, replacing memory sticks; so far, so good





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## ■ PISABOX

- System disk killed while powering HV racks down and up for LOTO (known Dell Maxtor problem)
- System restored to 03/2005
- Would like to recover HV readback files from Retrospect Backup (not till FIX 4.0 conversion done)
- Use new Wiener USB CAMAC crate controller instead of Jorway interface to SCSI CAMAC crate controller via SCSI (no support)

## ■ CLC1

- System disk also killed
- System restored to 07/2003
- Unlike PISABOX, old disk still readable, just not bootable. Contents copied to new disk
- Currently, CPR/CCR CAEN at PREP, so have to put off testing
- Need newer LabWindow installation





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## ■ VOLTMAN

- File were not transferred to new webserver for VOLTMAN; done now
- Ben Whitehouse needs to return for more changes to DB
- Continue to investigate high rate of bad reads (RS-422 daisy chains)
- Make power supply monitoring power supply more robust

## ■ CDFEPHV

- Repair fans in CAEN 527s on plug fixture (upper ones first)
- Repair bad Peltier cooler on PMT box (Dave Dagenhart started)

■ Send me or J.C. Yun your requests (with resources and time needed), comments, etc.





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- Mark Knapp and Jim Loskot: Norton Ghost installation on PCs (replacement for Retrospect Backup; disk image on new hard drive which can be booted immediately); also, given experience with Maxtor drives, replacing all with Western Digital drives as they fail (and we use disk image generated by Ghost on new drive)
  - All PCs done (last today SVXIIICON) except...
    - COT3 (control room COT view node) died during shutdown, apparently just from normal shutdowns, not power cycling
  - Now can move on to FIX 4.0 installation





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- Mark Knapp and Jim Loskot have installed new MCS webserver at <http://cdf-fs2.fnal.gov:3000/proficyportal/default.asp> (username/password required); this replaces very old webserver
  - Many pages now work (bold type good links; regular type not yet implemented)
  - However, some problems with some pages or specific tags on some pages (e.g., silicon interlocks)
  - Still a work in progress; also, IP name to change soon
  - Only works on IE on Windows PC with latest Java (1.5.x)

