



Monitoring & Control Systems

- General impression: upgrades to all Windows 2000/XP and iFIX 4.0 have not increased reliability
 - Still some problems due to iFIX: freezes, network disk system resource problems, network connection dropouts (but only on iFIX, still pingable)
 - Some problems due to CAENs
 - TOF CAEN needed restart
 - CPR CAEN needed restart
 - MUON3 CAEN problems?
 - Usual problems on CDFEPHV sometimes requiring card or chassis swaps



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● Notes on individual PCs (3rd floor):

● VOLTMAN

- Ben Whitehouse here through August
- 2 power supplies need correct supply type; now being masked
- Also will work on VOLTMAN plots (next item)

● cdf-fs2

- (New) web server configuration needs to be worked on
- Still needs Oracle installation and work for Oracle DBs on cdf-fs2
 - VOLTMAN power supply values
 - ICICLE device values
 - CDFTEMP plug/central temperatures



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- Notes on individual PCs (2nd floor):
 - SOLENOID2
 - RTserver problems affected ICICLE as well as all L3 and front-end crates in non-obvious fashion (no dropped connections, but not accessible)
 - VNODE1/2
 - Need to remove RPS global alarm box
 - Use opportunity to rearrange global alarms more logically



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● Notes on individual PCs (1st floor):

● PISABOX

- Plan to move over to Weiner USB CAMAC controller
 - Write new library of IEEE CAMAC subroutines in Visual C++ .NET on new development computer in 2nd clean room
 - Should be able to just drop these into PISABOX program and switch from old Jorway SCSI CAMAC controller to new USB CAMAC controller
 - Incidentally, allows rewrite of standalone Pisabox testing code

● CLC1

- Still some stability problems

● TOF1

- Likewise, sending logs and plots back to experts in Rome



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● MUON3

- CES HV feedback turned off again
 - Seemed to work shortly after turning back on, but then stopped
 - Even in short interval while working, sometimes went momentarily to crazy values (100 V instead of 2000 V)
- Trigger inhibit confusion
 - Should trigger inhibit only be on if all HV channels in “on” state?
 - Yeongdae says turning individual channels “off” will not generate trigger inhibit; however, “standby” does
 - Also, does “off” and “standby” states generate trigger inhibit or not?