



Monitoring and Control Systems (MCS)

Steve Hahn
MCS Meeting
12/14/2004

- Deadlines come and gone!
 - December 1: new(?) deadline to move to FERMI domain
 - CD shut off cdf-fs1 (S: drive) & cdf-fs2 (webserver) Monday morning; Mark persuaded them these necessary to critical task
 - This used to be January 1
 - Clear MUON3 will not be ready by then
 - (Untested) workaround—use multiple accounts on same PC, one in FNAL and another in FERMI
 - December 7: first colliding beam! Now in 6th store
 - Still rooting out and fixing problems (as expected)



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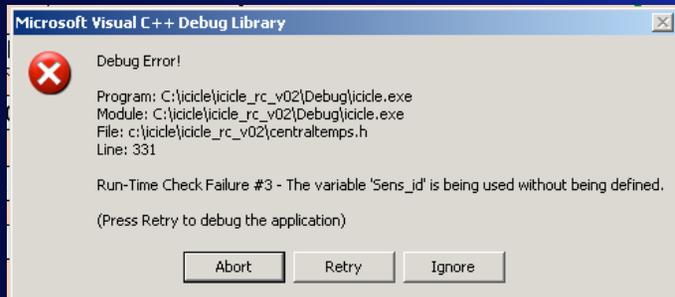
- A random walk through the MCS upgrade
 - CLC1: switched from FNAL to FERMI domain
 - Problems with reading both CLC CAEN 527 & CPR/CCR CAEN 527
 - Replacing CLC CAEN fixed the problem; now using new plug(?) CAEN
 - Still working on changing global alarms & HV summary to reflect new situation
 - SOLENOID2: new XP PC
 - Continued ICICLE Oracle disconnect problems



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Still not sure if we understand complete set of error messages that occur



```
Shortcut to icicle.exe
Dec 14 10:58:34 2004 ProcessTransition [1] <Activate>
Dec 14 10:58:34 2004 Ack 1 /slowControl READY SUCCESS
*** TRANSITION is Activate , invoking handleBegin

== BEGIN RUN at Dec 14 10:58:34 2004 handleBegin() Partition = 1 Run = 191065
===== BEGIN RUN : Invoking IcicleStore =====
*** IcicleStore.flag = 0 Loop = 13 Time= Dec 14 10:58:34 2004
*** OracleAccess: see this at BEGINNING of cycle!! use ora time is USE_ORATIME
PLG:: hb = 1
Now read plugs data..
1 Error reading tag = errnum = 1914
1 Error reading tag = PLUG_P001_RTD_COR errnum = 1914
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D1'
Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D1'
Error 3114 : ORA-03114: not connected to ORACLE
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Error 3114 : ORA-03114: not connected to ORACLE
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Now read CentralTemps data...
central cal rd ok storing DATA
***** CentralTemps: StoreData, flag is 0
central :tcount = 96
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D1'
Error 24338 : ORA-24338: statement handle not executed
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Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D1'
Error 3114 : ORA-03114: not connected to ORACLE
sql: UPDATE SENSORS SET LAST_MEASURE= 74.5677, LAST_ERROR= 0, LAST_STATUS= 'OK', SENS_ID= 1676953 WHERE SENS_ID= -858993460
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D2'
Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D2'
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D2'
Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE00_D2'
Error 3114 : ORA-03114: not connected to ORACLE
sql: UPDATE SENSORS SET LAST_MEASURE= 73.2773, LAST_ERROR= 0, LAST_STATUS= 'OK', SENS_ID= 1676953 WHERE SENS_ID= -858993460
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE01_D1'
Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE01_D1'
Error 3114 : ORA-03114: not connected to ORACLE
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE01_D1'
Error 24338 : ORA-24338: statement handle not executed
sql: SELECT SENS_ID FROM SENSORS WHERE SENS_TAG = 'CTO_CE01_D1'
```

Then eventually ORACLE disconnect and reconnect problems



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- SVXIICON: new XP PC
 - iFIX DB now copied over (tediously)
 - After installation of hub to connect PC to two ethernet Siemens cards, can start testing
 - So, Andy, Eva, what's the latest?



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- VOLTMAN: new XP PC
 - Thanks to Ben Whitehouse and Dave Dagenhart's experience, Ben got this up and running in one week
 - Need Ben back to work on:
 - New B&B boxes, or, better yet, tools to update these transparently - **DONE**
 - New power supplies in L2 active splitters - **DONE**
 - Get diagnostics programs working - **DONE**
 - Mount Access DB on S: disk so accessible by cdf-fs2 and then provide web pages
- MUON3 (CAEN127): new XP PC
 - Waiting on one more CAEN A1303 PCI interface card
 - Programs and files copied; any progress compiling, Young Dae?
 - Also need to implement software-controlled "slow" inhibits
- **Plug source PC**: XP PC from Purdue
 - Since last time, original PC died; need to replace (with recently recycled PC?)
- **Muon scintillator PC (in pit)**: recycled XP PC?
 - Also, needs to be updated (or removed from network)