DAQ Status

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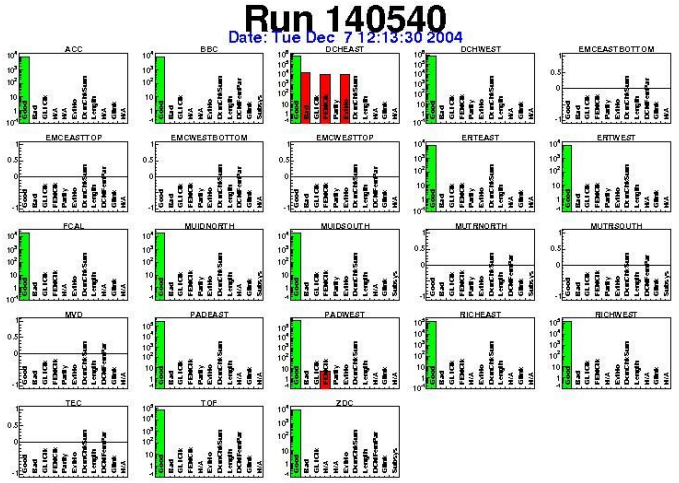
Current Status

- David and Brian have made a lot of progress to report on the Event Builder; David will tell you all about that, but it looks *very* good
- There were a few moments of distress over seb's crashing in kernel panic (they may not have been the only ones to panic) but that is now a distant memory)
- Partition Big is nearing it's Run 5 size… there are 24 granules this year, and 18 of them were running together yesterday

Detector Readiness

- Close to yesterday's state of the art had everything except EMCAL and MUTR (TOF.W and MVD were also missing, but those do not appear to be a big deal to add)
- I think we can say (quietly) that the data corruption in the jseb is basically eliminated, and the padding banks have been removed from all the DCMGROUP's
- There have still been problems reading some of the larger groups, notably MUTR, and sometimes TEC and DC.E



Multievent Buffering

- Looks good to go as far as I can see
- Data taken with noise (random) trigger has not shown any signs of problems in MUTR and EMCAL
- One oddity of Forced Accepts in the EMCAL I believe shows a failure of some kind of the **old** FPGA code (cell numbers should be periodic for FA's)
- Next software release should make 4 event buffering the running default
- It would be good to take data for an extended period of time with the noise trigger or a high rate cosmic trigger to see if there is any evidence of cell corruption

Run Control and Servers

- Ed has done a lot of housecleaning and improvements; everything is better integrated now, and with David has eliminated some of the operational annoyances (multiple downloads)
- The initialization speed (particularly the EvB server) is much faster now
- We have only rarely done an oncsCleanup recently
- The next release (before Christmas) will include writing to a PostgreSQL runcontrol database (I've got php that reads it almost ready)
- Control of the buffer boxes has been moved to its own gui; it's better, but still needs some operational kinks ironed out (i.e., it works if you do exactly the right thing, but is prone to errors)
- Ed has new cdev data format just about ready

Buffer Boxes

- Disks and servers are on order, after some purchasing kerfuffles
- We bought some additional switch modules for the Foundry switch so the buffer boxes and the CORBA server can be right on that switch
- Obviously, we still have the 4 buffer boxes we had last year, and they are Scientific Linux
- We should blank the disks soon of accumulated detritus
- Some furious system management when the new machines arrive, but everything should be in place for them

Other Projects

- Splitting the GL1 and LL1 readout is pretty far along; seems to work, and David and Brian were working to integrate it into the EvB yesterday (this is needed now to read all the LL1 data)
- Martin has done a *lot* of system management in 1008 to bring all our systems to SL 3.0 (including those nifty new Dell desktops)
- New granule (TOF.W) has so far not caused us any pain
- CORBA services got moved to a machine safely tucked away on UPS and Gigabit without too much fuss
- Achim has done a lot of work on TEC noise, and there is still one idea to work on with ARCNET to reduce the noise further
- STAR scalers…