DAQ and Online Status

Arnd Meyer
Jan 31, 2002

- Added track trigger configuration to XTRP run control and front-end code
- Added Roman Pot and Miniplug readout and calibration banks to official release
- For Miniplug Admems, disabled check for valid downloaded calibrations. Also some code changes to increase robustness (occasional crate crashes)
- Improved front-end error handling/logging code to cope with bursts of error messages from different tasks
- Haven't seen any more occurences of the "crate lock-up problem", after latest fixes ~2 weeks ago
- Run Control now issues a warning if Acnet data are stale
- Upgraded perl, allowing SVX validation script to work
- Trigger information in DB compressed: don't write unused triggers, reduce rate to once per 2 min

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- Level 3: HD problems with the latest 120 PCs still being evaluated
  - Plan to install external IDE controller faces problems: requires newer Linux kernel
  - Will do weekly reboot of PCs over the next couple of weeks
  - Yesterday: rebooted 111 PCs, 10 needed repair (~2h, will become faster)
- Level 3: Shipping out filter log files is in place
- CSL "end-of-run confusion": receiving configuration message for next run while end-of-run from L3 was not yet completed caused zero events in summary. Workaround implemented in run control
- CSL continues work on expanding look area bandwidth
- Online computers: some problems starting up after yesterday's reboot of online machines. L3Manager relies on online products while b0dap31 was supposed to run mostly offline-type code