Pixel Online Software User Manual

A User Manual for Pixel Online Software Version 1.1.0 has been drafted.

Assumes XDAQ, HAL, VME device driver have been installed

Installation of Pixel Online Software

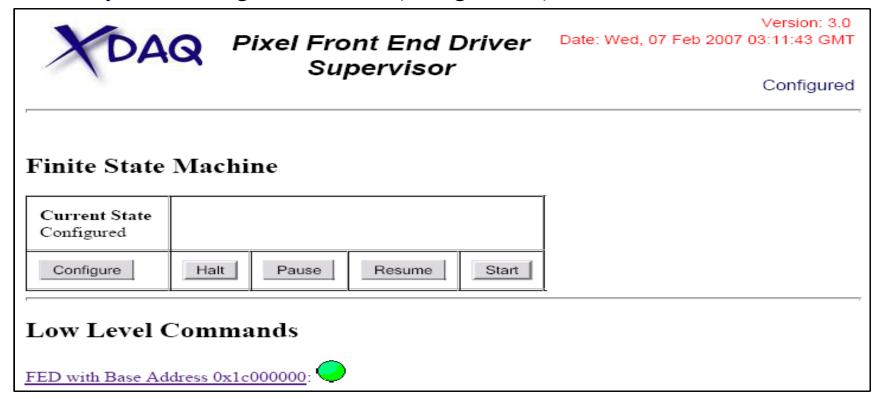
Running Pixel Online Software. Various state machine configurations of PixelSupervisor, PixelFECSupervisor and PixelFEDSupervisor. Low Level GUIs of PixelFECSupervisor and PixelFEDSupervisor

Analysing Output from Pixel Online Software using ROOT. Incomplete.

07/02/07 Souvik Das

Pixel Online Software - Update

- Several internal changes in PixelSupervisor, PixelFECSupervisor, PixelFEDSupervisor and PixelConfigDataFormats effected.
 - For coding consistency.
 - To accommodate multiple FECs and FEDs.
 - To weed out more hardcoding.
- FED Supervisor has green light when last entry in a FED's TTS FIFO is Ready. Has red light otherwise. (Being tested.)



Pixel Online Software - Update

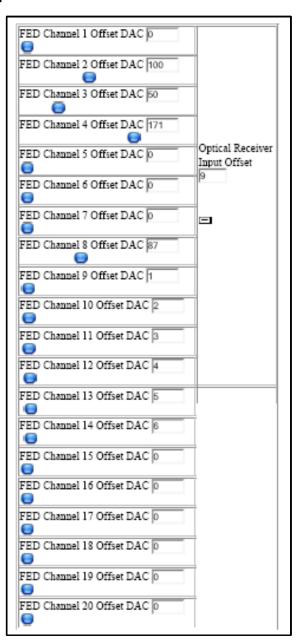
FED Supervisor Low Level GUI

Sliders introduced for Channel Offset DAC and Optical Receiver Input Offset settings.

∘Slider values read from PixelFEDCard objects – Javascript for WebGUI dynamically created by C++.

Introduced a button for reading TTS FIFO of all FEDs in the crate.

Testing and developing existing tools. May add a few buttons to dump Error FIFO and Last DAC FIFO (DCS needs this capability soon)



07/02/07 Souvik Das