


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.

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 Front End Driver Supervisor


Version: 3.0
Date: Wed, 07 Feb 2007 03:11:43 GMT

Configured

Finite State Machine

Current State Configured				
<input type="button" value="Configure"/>	<input type="button" value="Halt"/>	<input type="button" value="Pause"/>	<input type="button" value="Resume"/>	<input type="button" value="Start"/>

Low Level Commands

[FED with Base Address 0x1c000000:](#) 

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)

