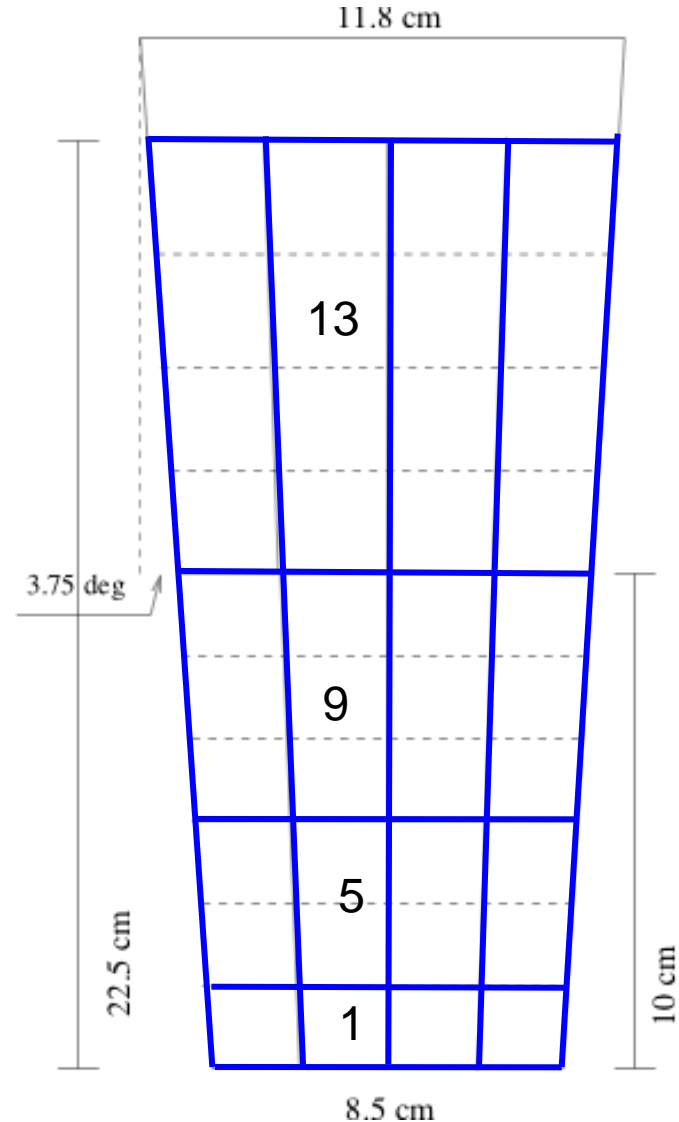


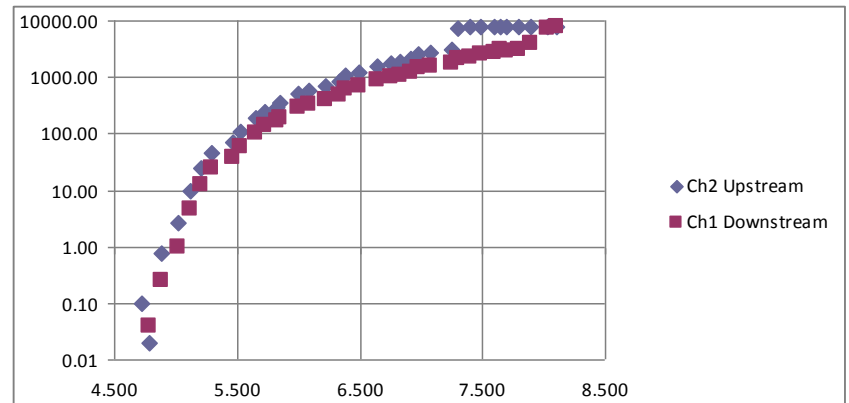
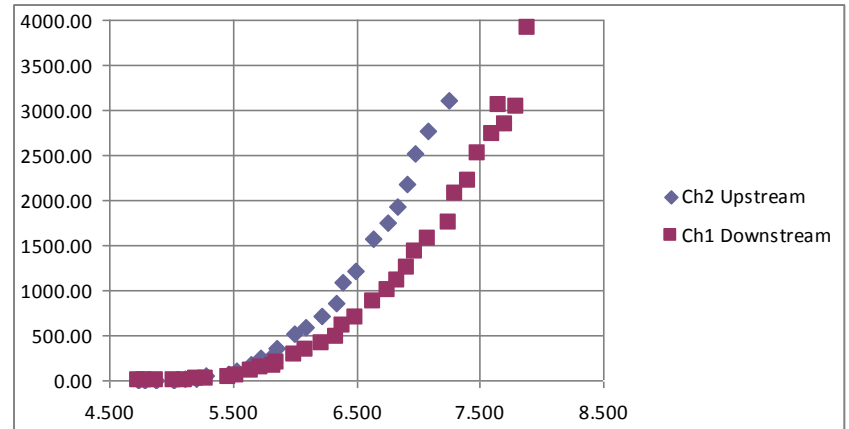
Mini-BCAL

- Temperature of chiller set at 16.3°
- Ran DAQ for each tenth of a trigger volt to gain understanding of cross talk and to obtain best voltage for optimal LED performance.



Voltage Amplitude

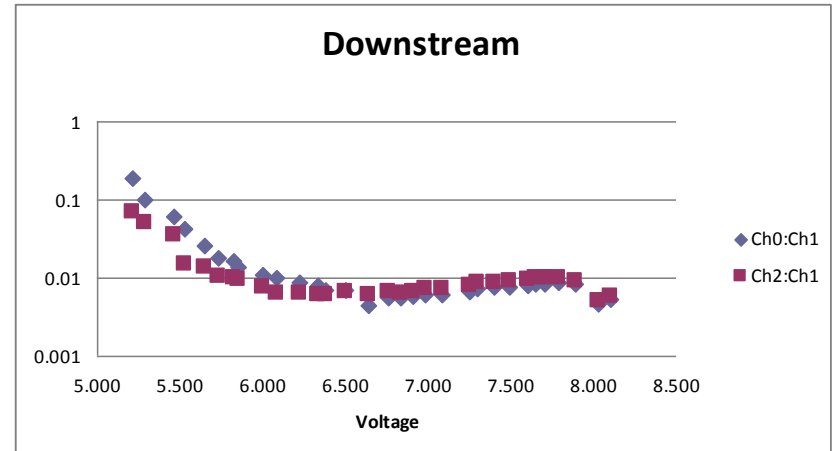
Channel 2 of Upstream to corresponding Channel 1 of Downstream.



Cross Talk

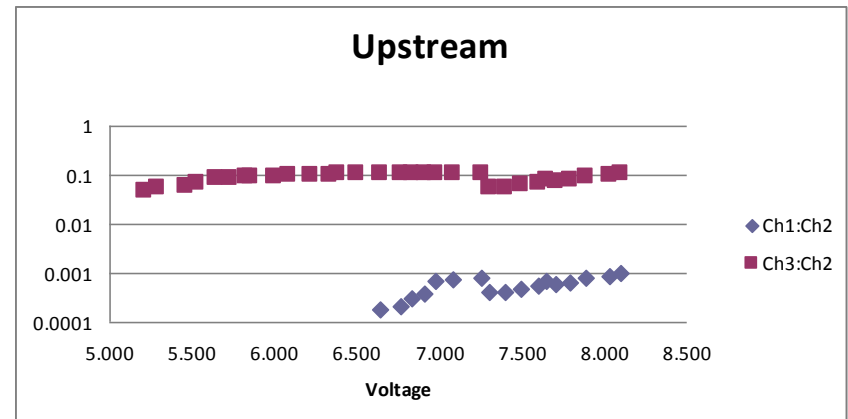
Ratio of Channel 0 to Channel 1
in blue

Ratio of Channel 2 to Channel 1
in purple of the Downstream.



Ratio of Channel 1 to Channel 2
in blue

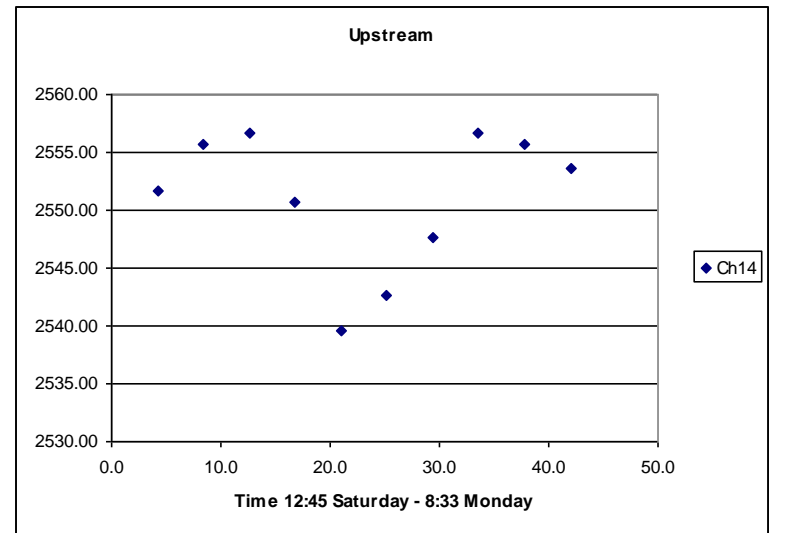
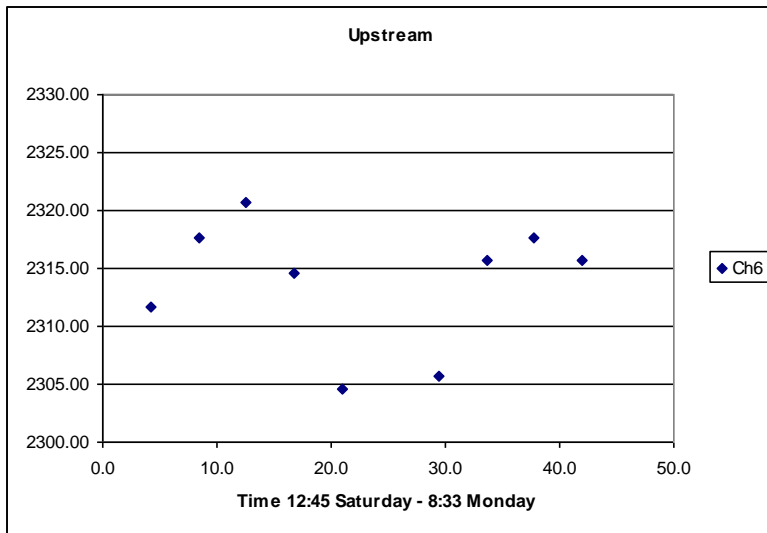
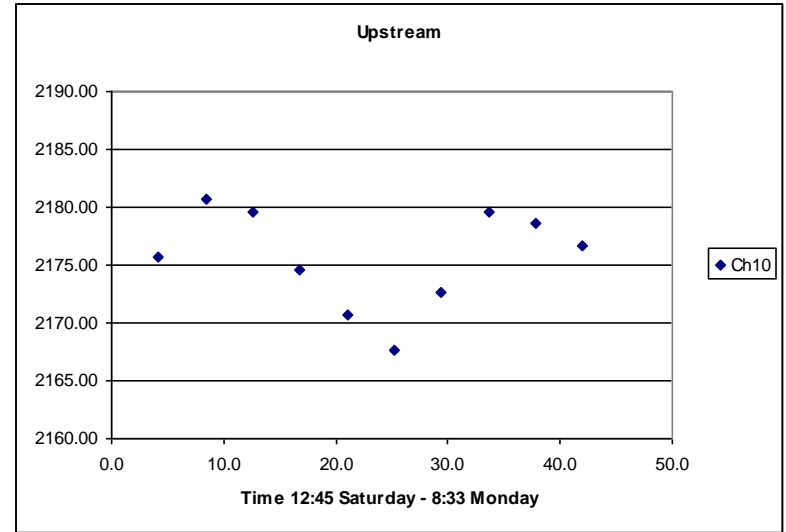
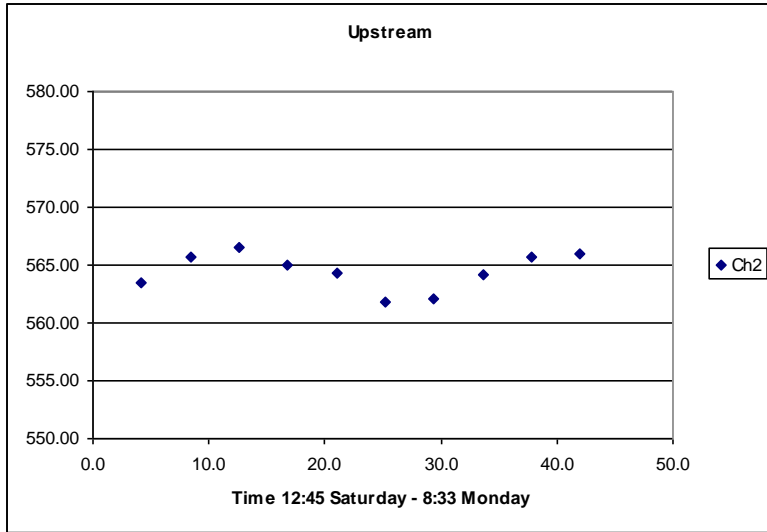
Ratio of Channel 3 to Channel 2
in purple of the Upstream.



LED Stability

- Enhanced variation
- Zero suppressed
- Approximately 1% variation

LED Stability (Upstream)



LED Stability (Downstream)

