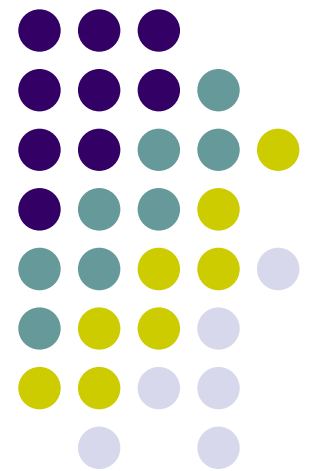


# Status Of Prototype Calibration

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Jose Benitez

10/13/2005

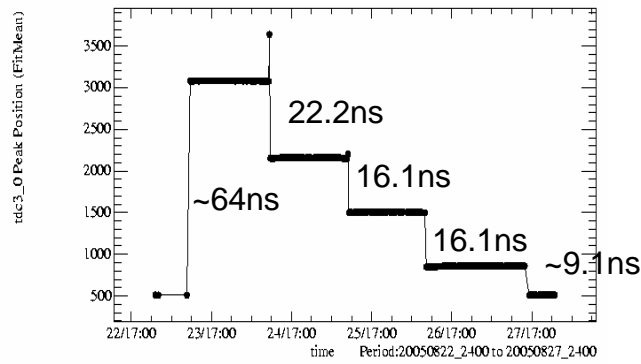


# Time Dependence of TDC ps/count

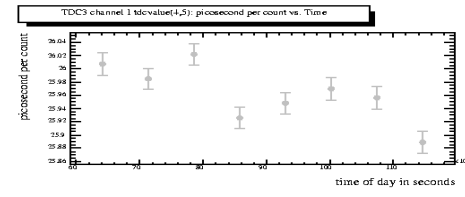
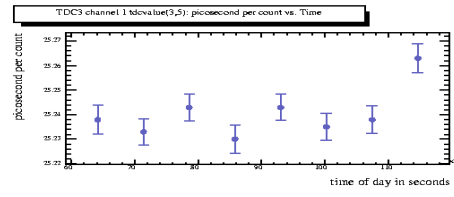
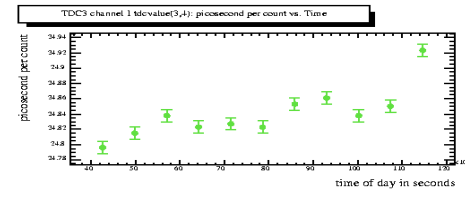
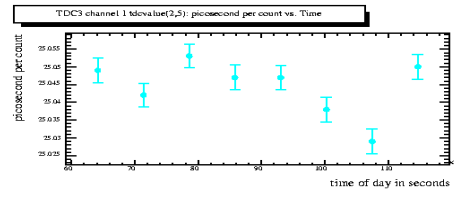
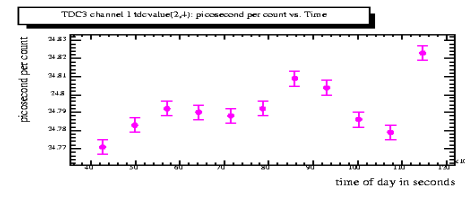
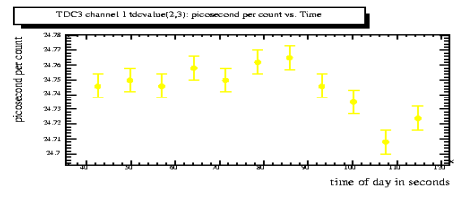
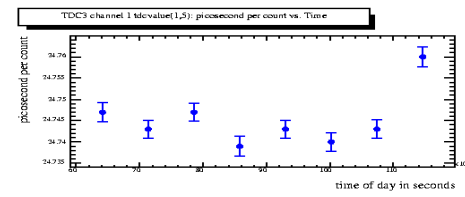
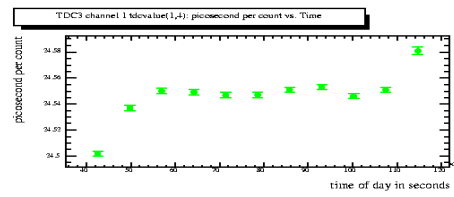
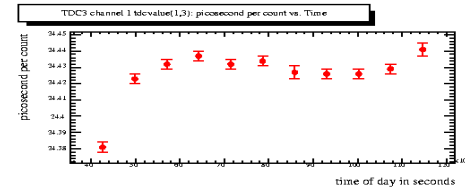
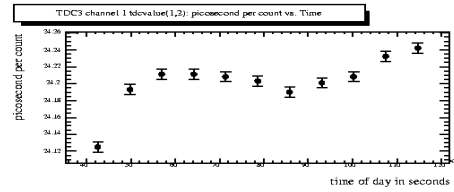


Dirc3\_38 Time Dependence

tdc value vs. time

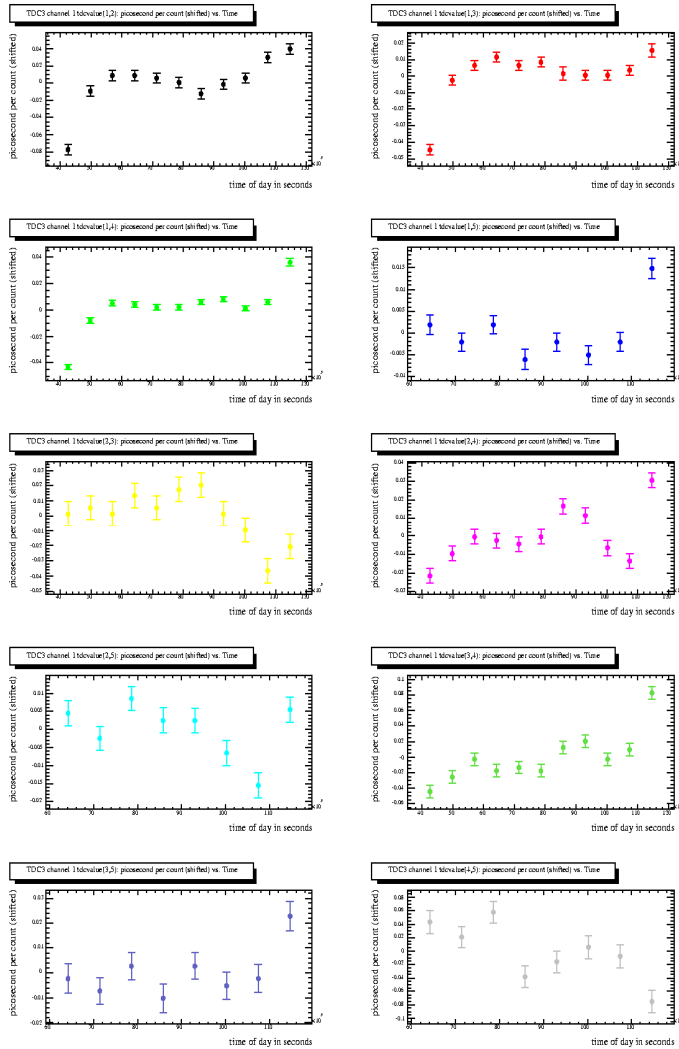


4 steps --> 10 possible subtractions

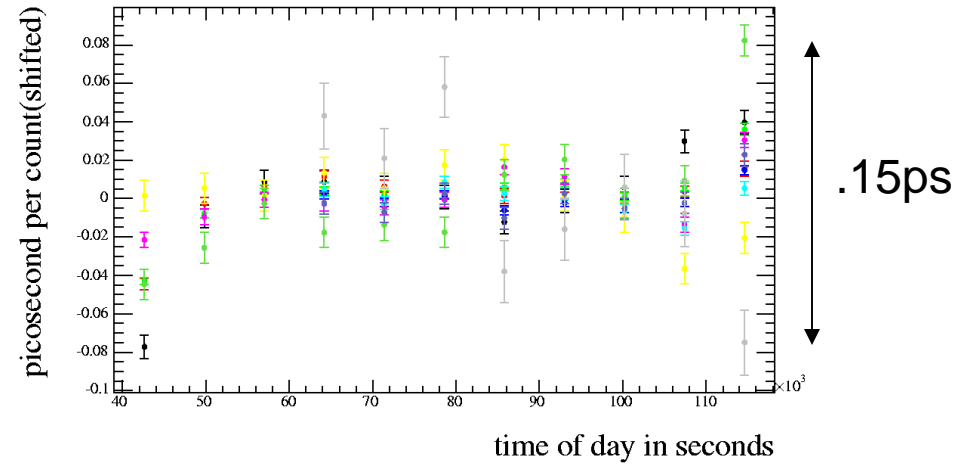


x axis: 10:50am--> 8:50am(next day)  
Bins of 2 hrs --> 11 points

# Temperature Fluctuations



TDC3 channel 1 (All combinations): picosecond per count(shifted) vs. Time



Overlay the curves

y axis= ps/count - mean

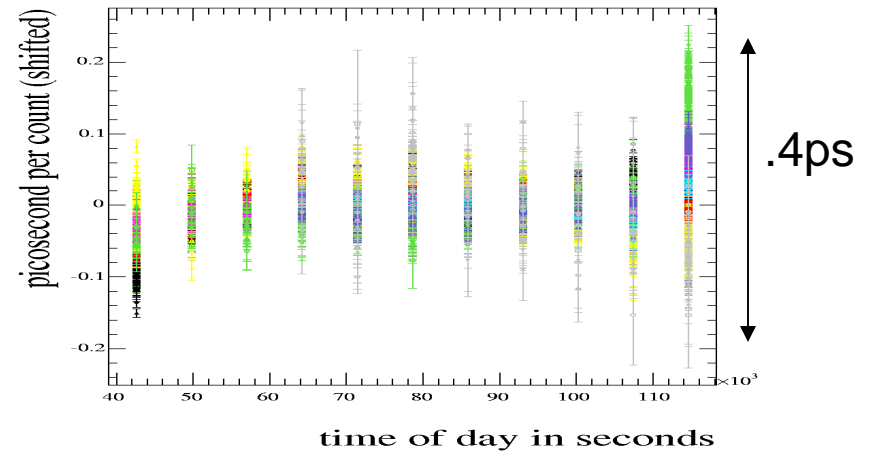
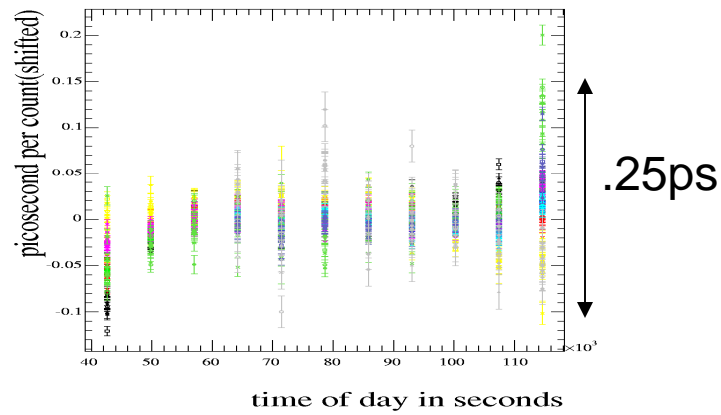
# All 16 Channels of TDC3

# All 8 TDCs

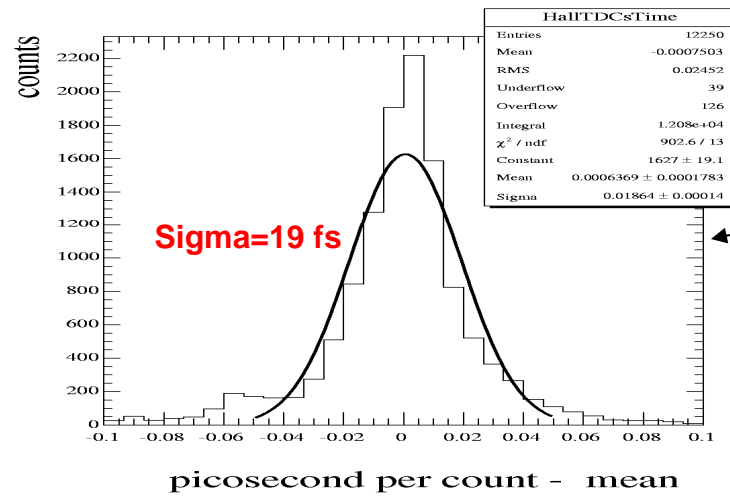


TDC3 (All data combinations, All channels): picosecond per count(shifted) vs. Time

All data combinations, All channels, All TDCs: picosecond per count (shifted) vs. Time



All data combinations, All Channels, All TDCs: picosecond per count (shifted)

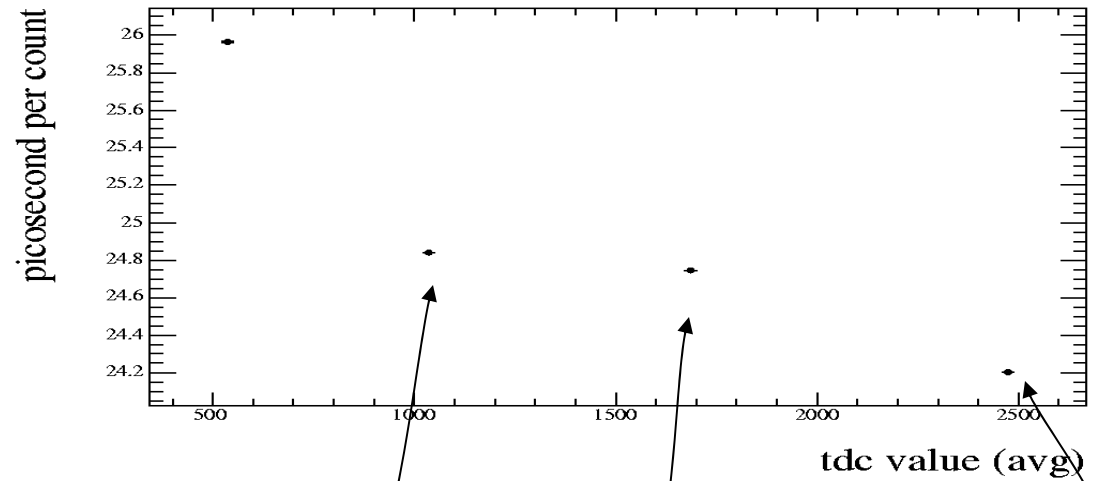


Project onto y axis

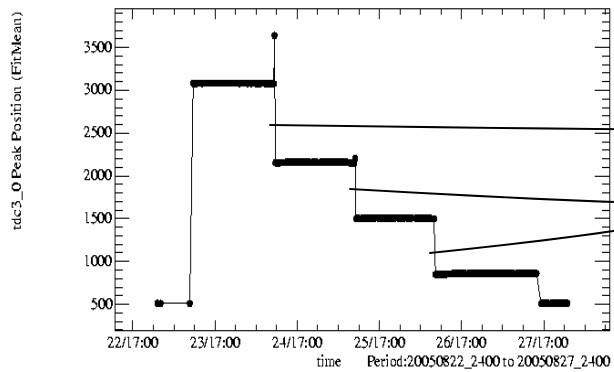
# picoSecond/Count vs. tdc value



TDC3 channel 1: picosecond per count vs. tdc value

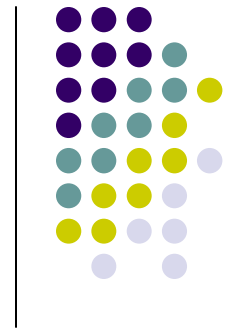
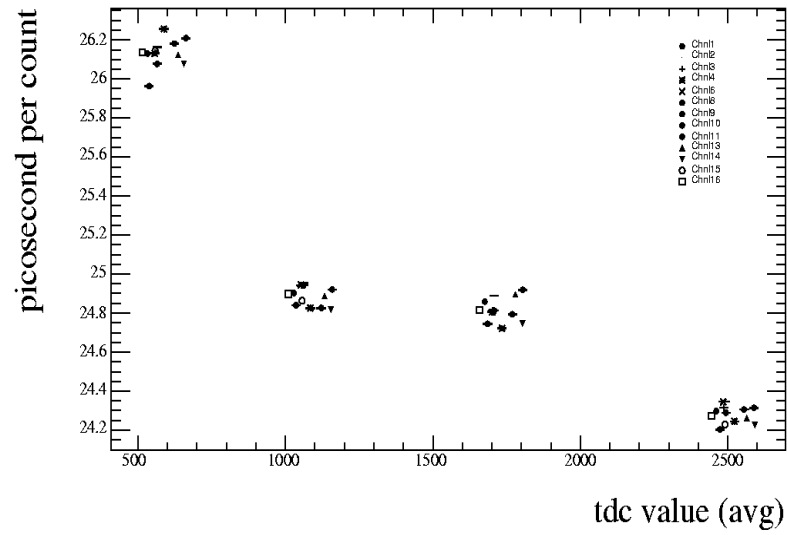


Dirc3\_38 Time Dependence



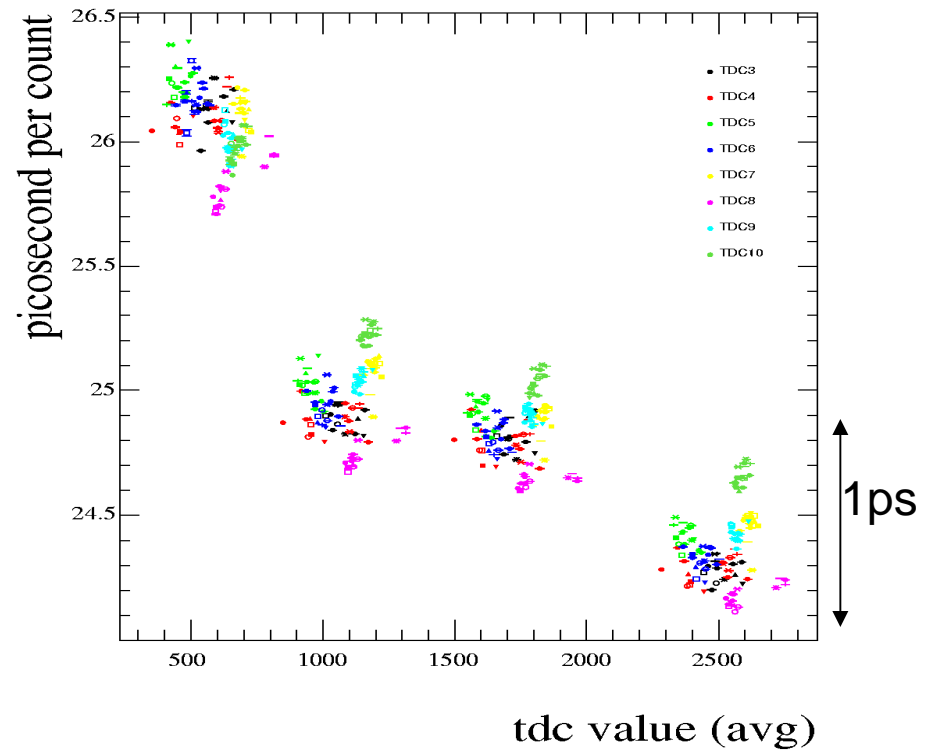
# All Channels TDC3

TDC3 (All channels): picosecond per count vs. tdc value



# All TDCs

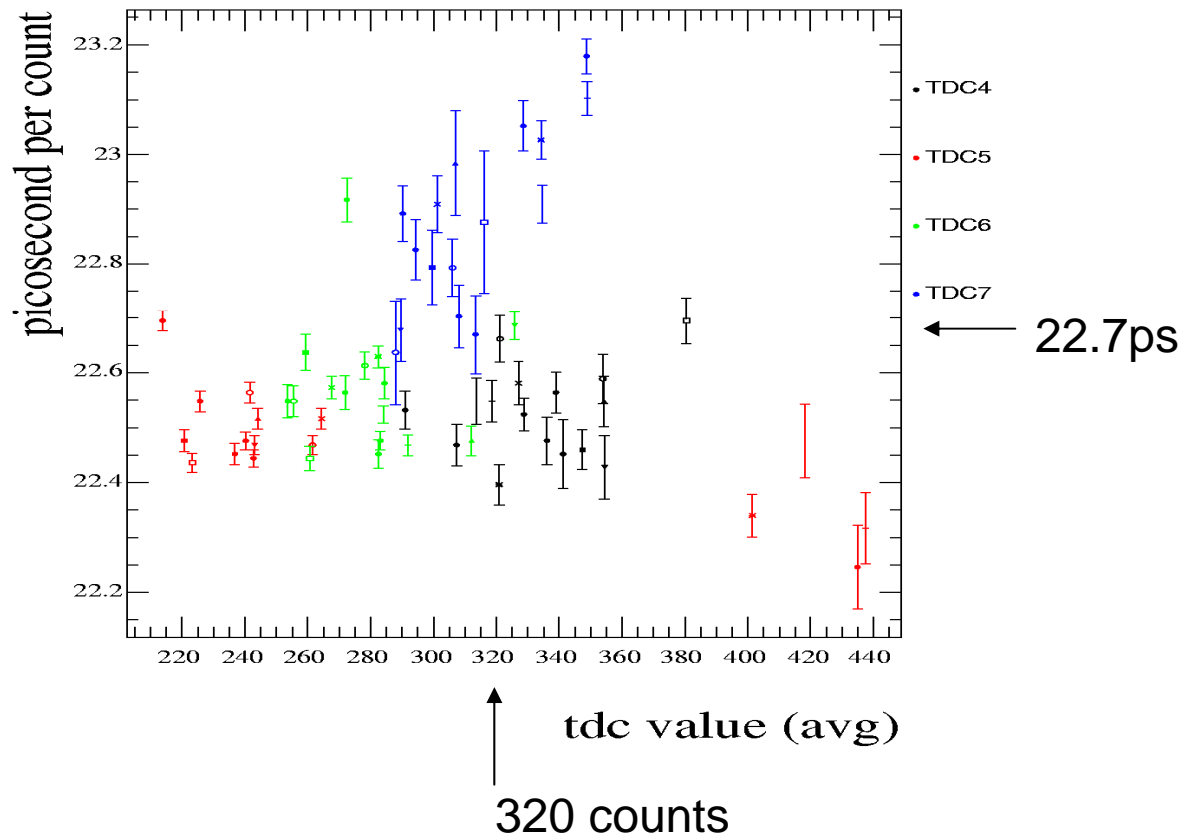
All 8 TDCs: picosecond per count vs. tdc value





## Calibration of first 4 TDCs from June 20, 2005

All 4 TDCs: picosecond per count vs. tdc value



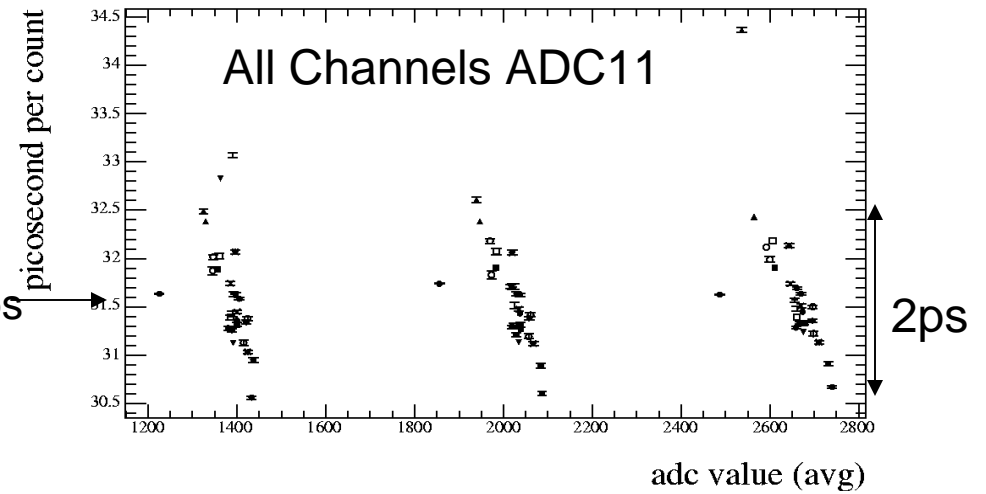
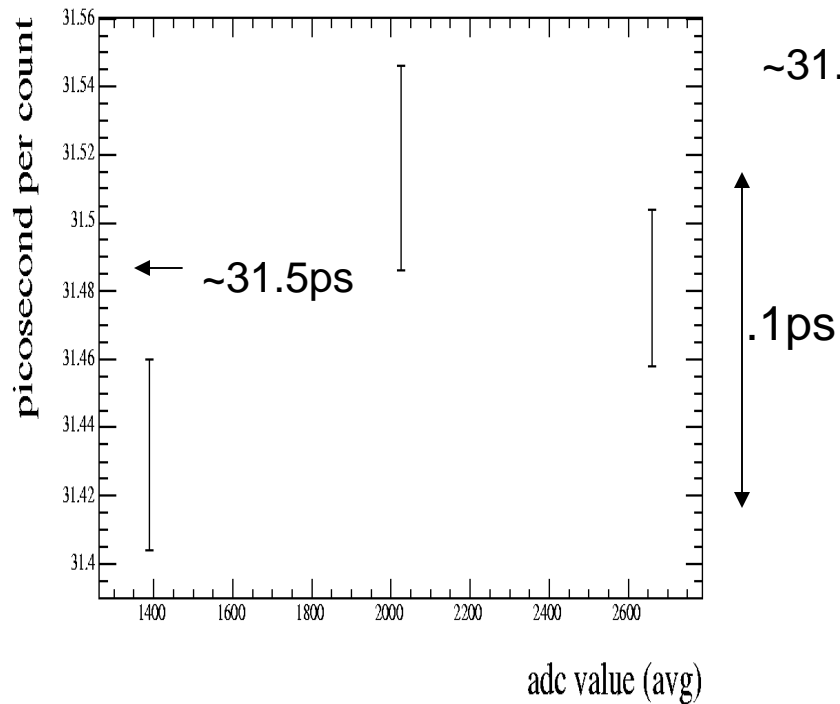


# SLAC ADC Calibration from August 5, 2005

picoSecond/count vs. adc value

ADC11 (All channels): picosecond per count vs. adc value

ADC11 channel 2: picosecond per count vs. adc value

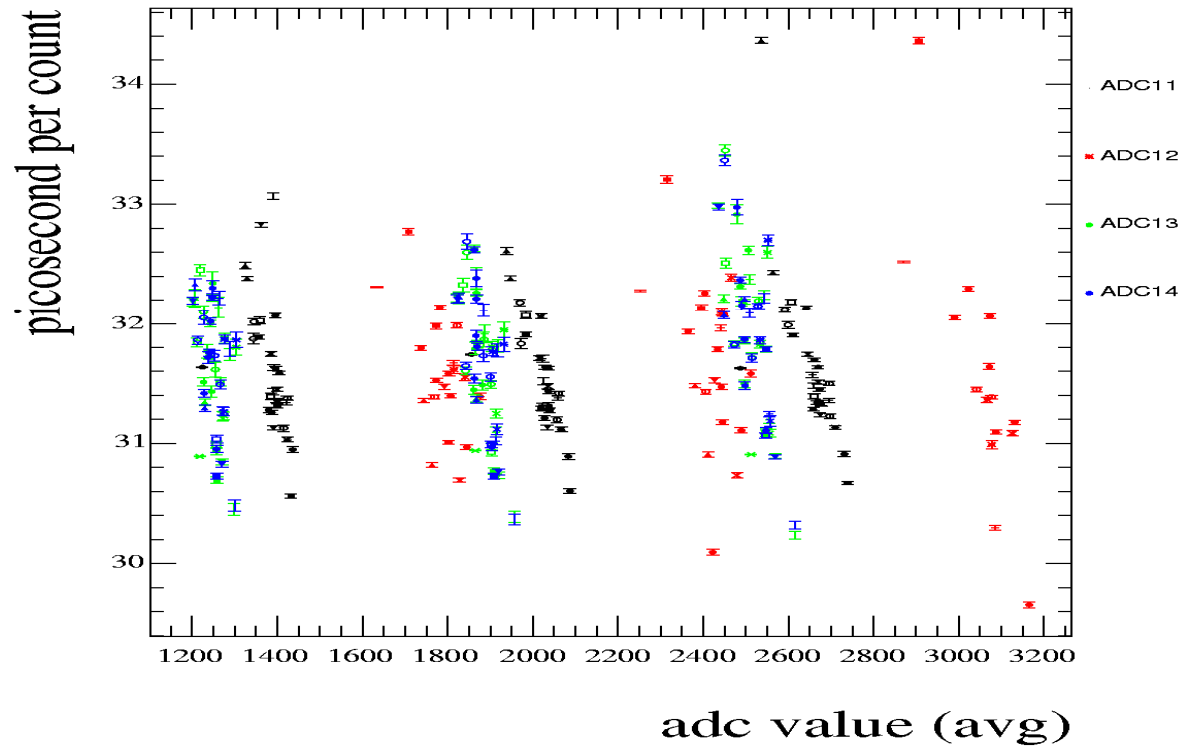




# All ADCs



All 4 ADCs: picosecond per count vs. adc value



ADC --> nGoodChnls  
11 --> 27  
12 --> 20  
13 --> 27  
14 --> 25