

# Measuring Pedestal Mean and Width with the DAQ

Manuel Lara

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Note: HV has NOT been turned on in these measurements

Data was taken using the 6 North and 6 South Crates with DAC values individually set for each crate/slot/board such that the ADC channel reads 100. The DAC values were calculated by interpolating runs where the DAC was set to 3200 and 3300.

An example 3200 and 3300 Fit for rocfcal3, slot 3, channel 1

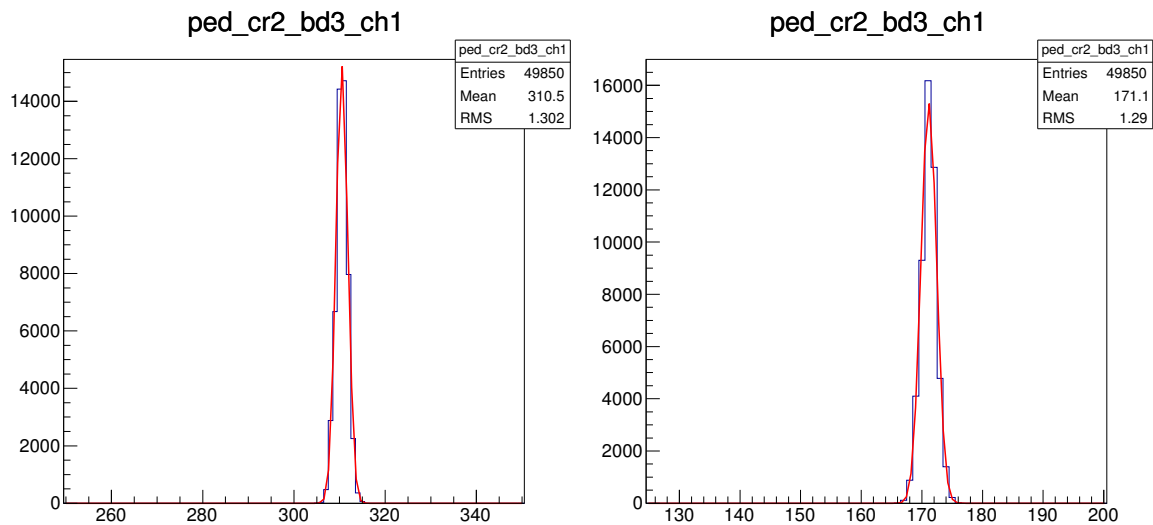


Figure 1: rocfcal3, slot 3, channel 1: (Left) DAC = 3200, (Right) DAC = 3300

An example 3200 and 3300 Fit for rocfcal9, slot 3, channel 1

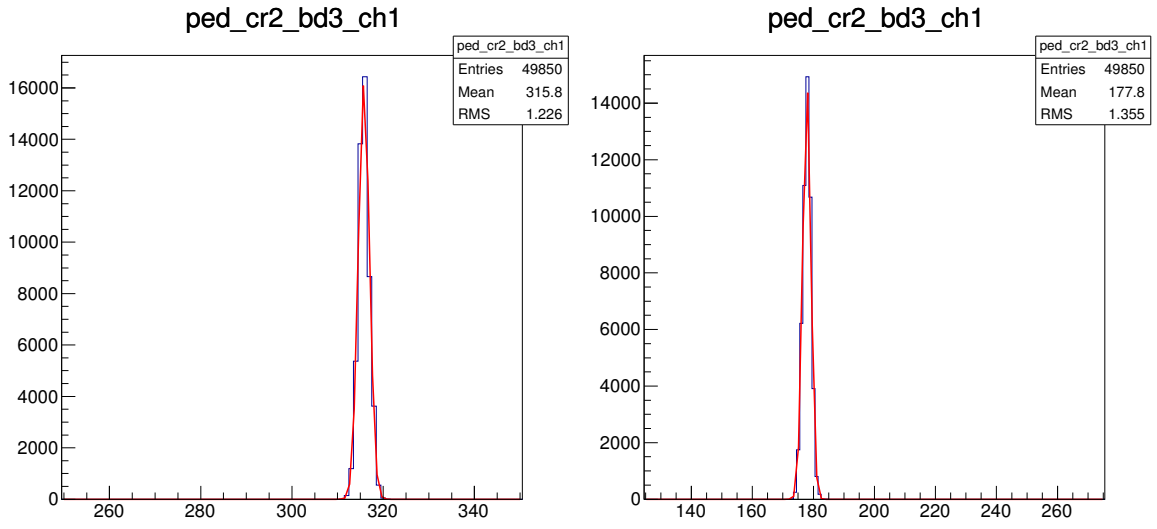


Figure 2: rocfcal9, slot 3, channel 1: (Left) DAC = 3200, (Right) DAC = 3300

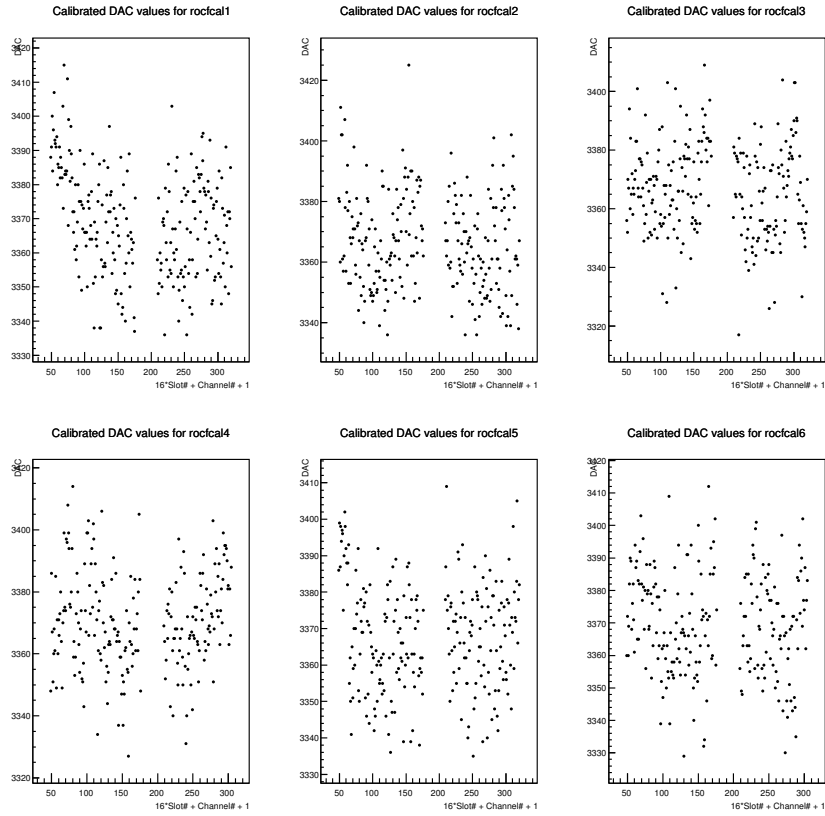


Figure 3: North 6 Crates DAC values such that ADC channel reads 100

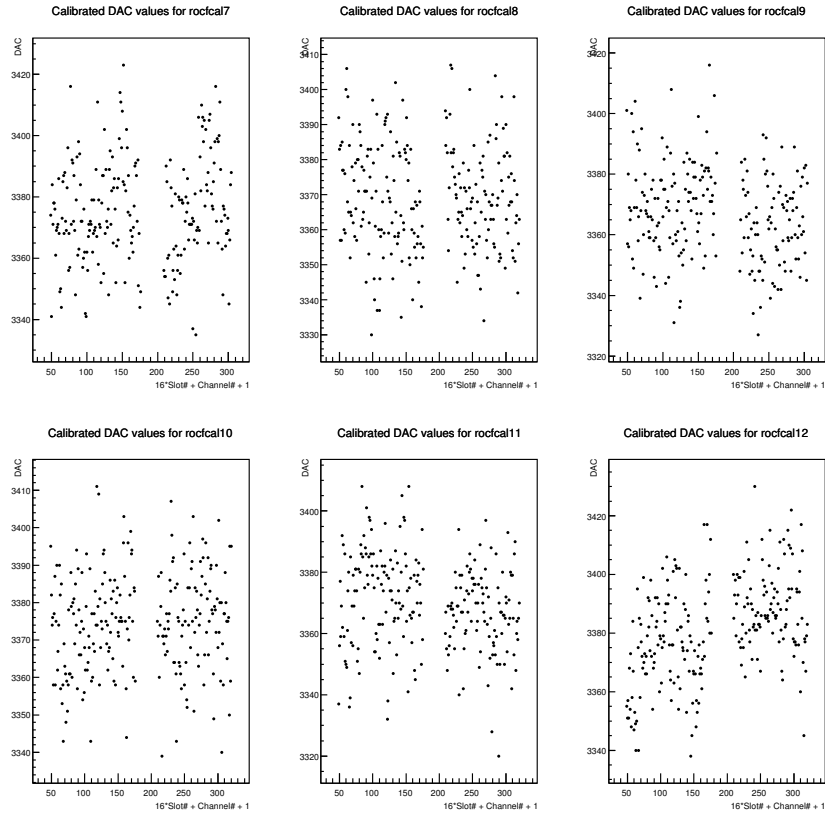


Figure 4: South 6 Crates DAC values such that ADC channel reads 100

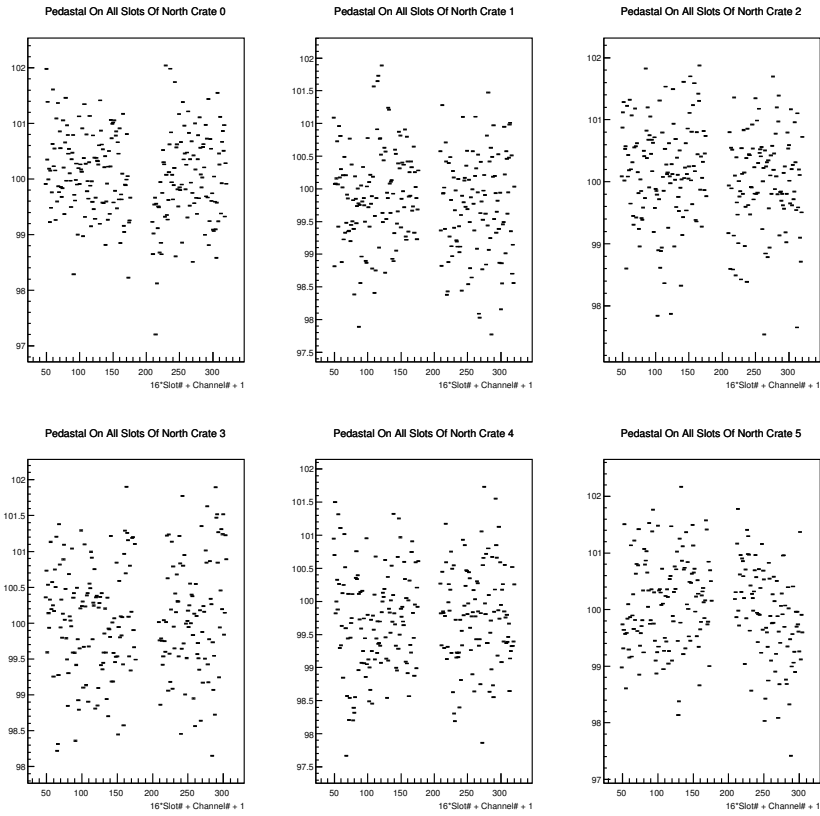


Figure 5: North Crates Distribution of Mean

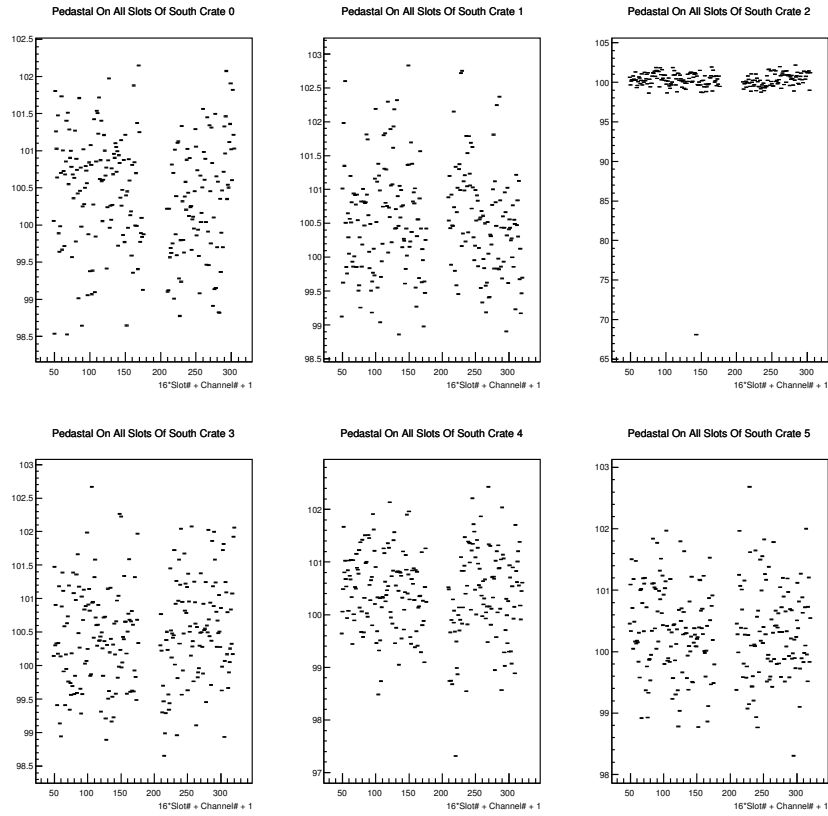


Figure 6: South Crates Distribution of Mean

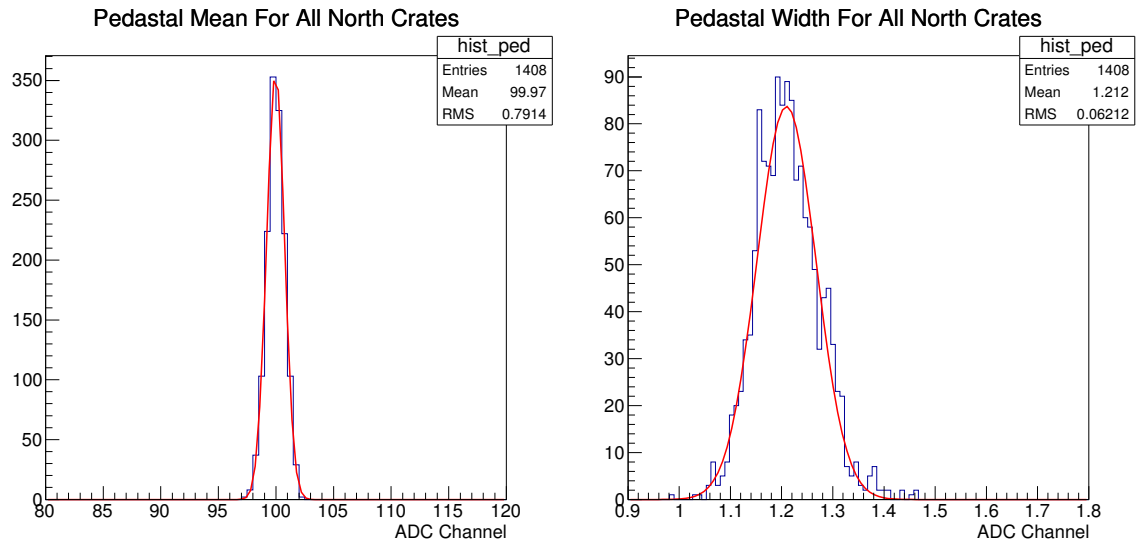


Figure 7: North Crates Histogram: (left) Mean, (right) Width

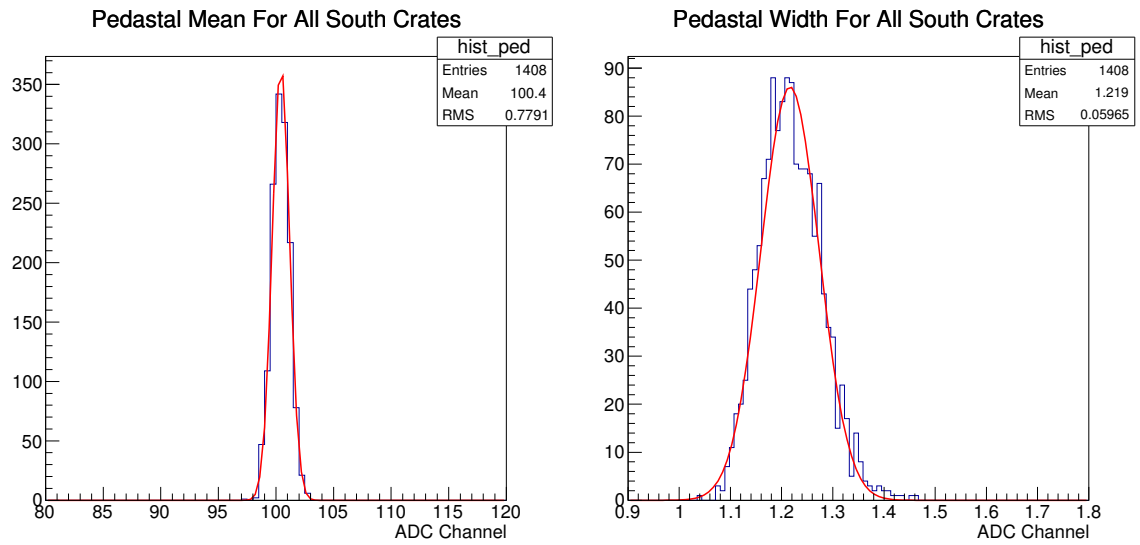


Figure 8: South Crates Histogram: (left) Mean, (right) Width

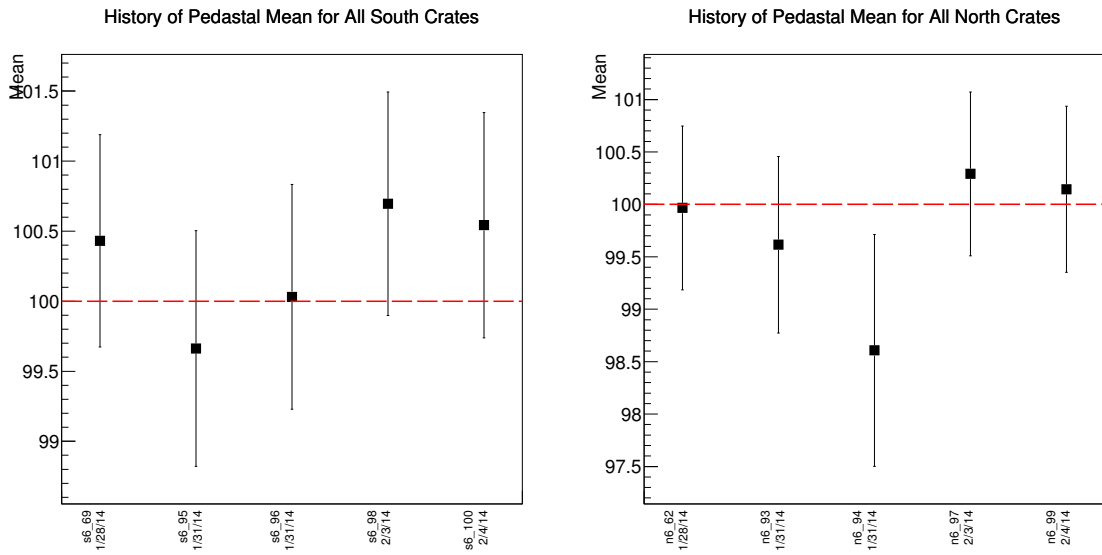


Figure 9: History of Means: (left) South Crates, (right) North Crates

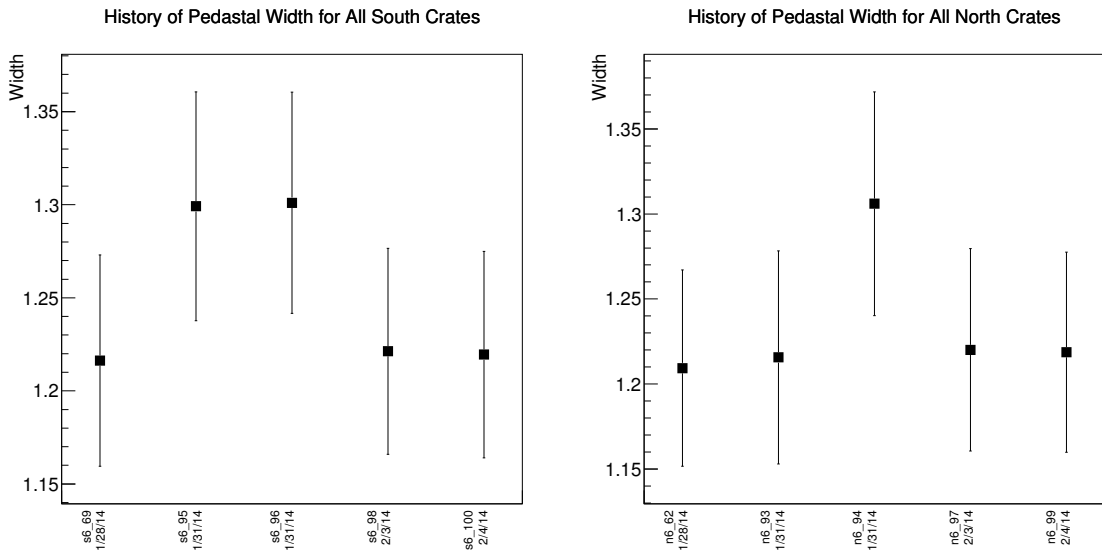


Figure 10: History of Means: (left) South Crates, (right) North Crates