

# SQUID Controller Board #113

## Quality Control

DAC offset vs  $\Phi_{bias}$

$V_{outputNuller}$  vs Frequency

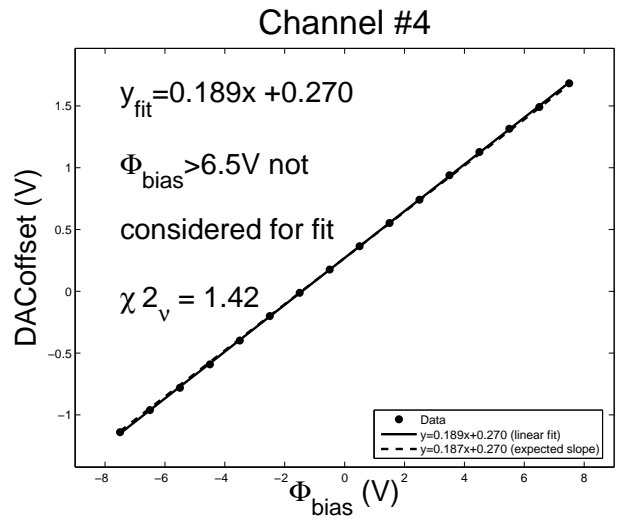
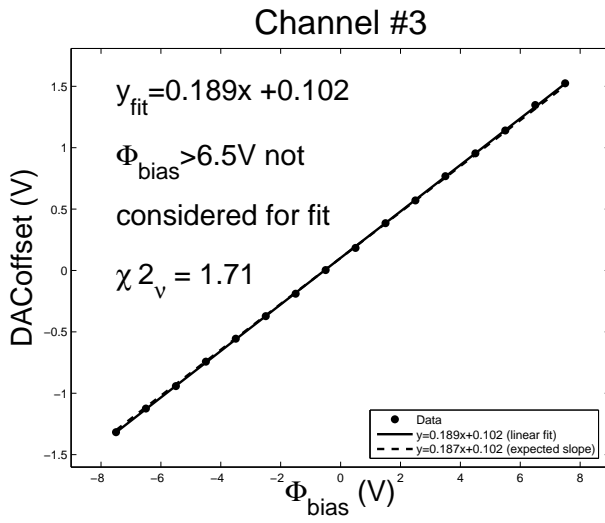
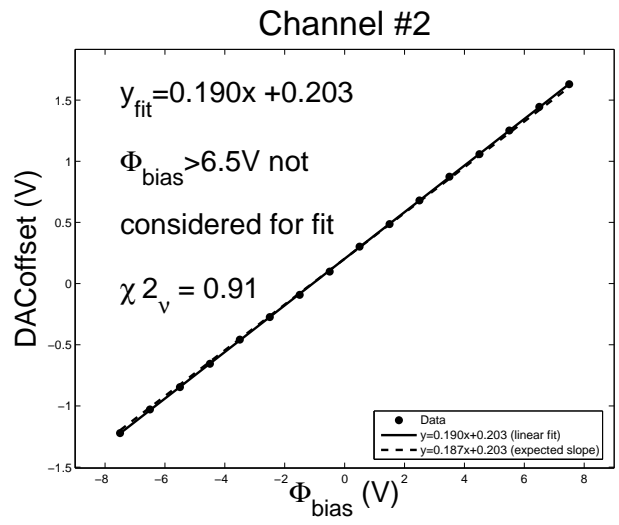
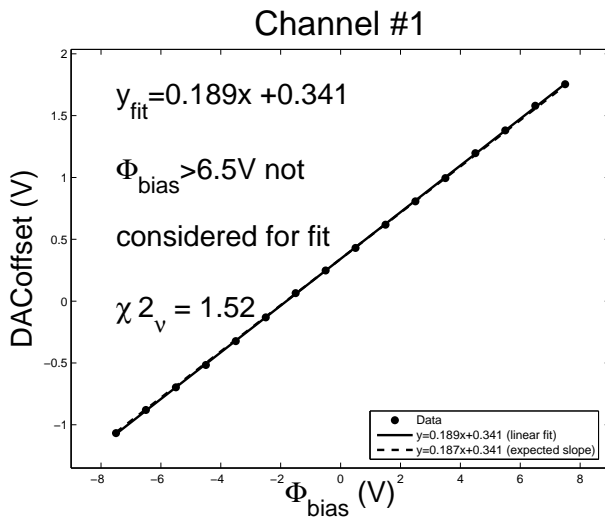
$V_{outputNuller}$  vs Feedback

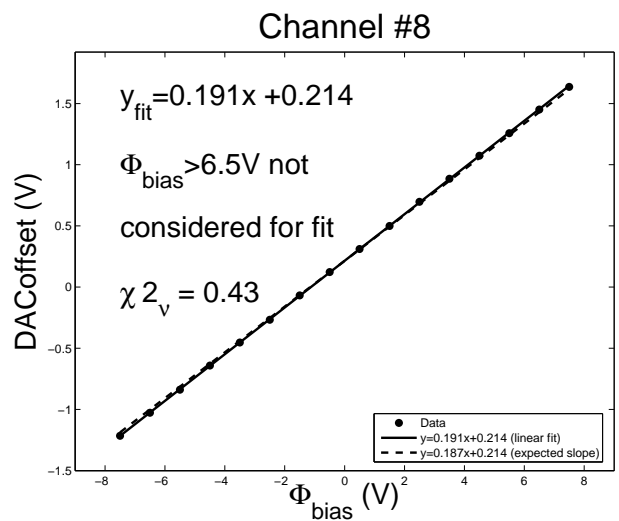
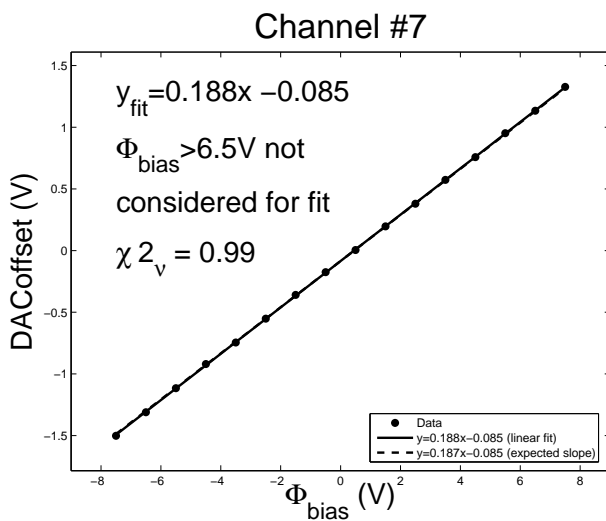
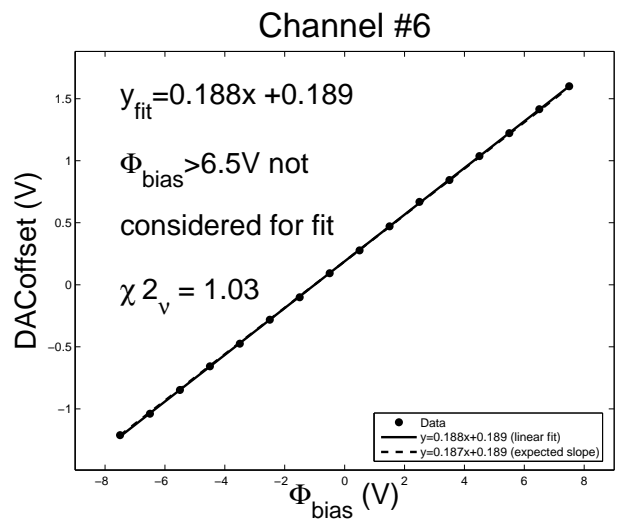
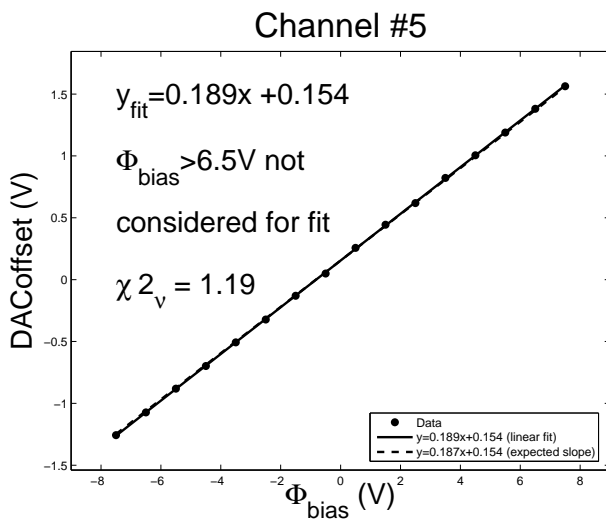
$V_{outputNuller}$  vs Crosstalk Measurements

$V_{outputCarrier}$  vs Frequency

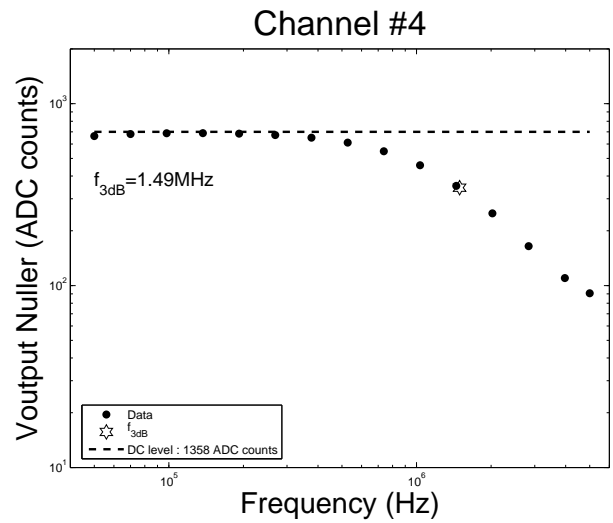
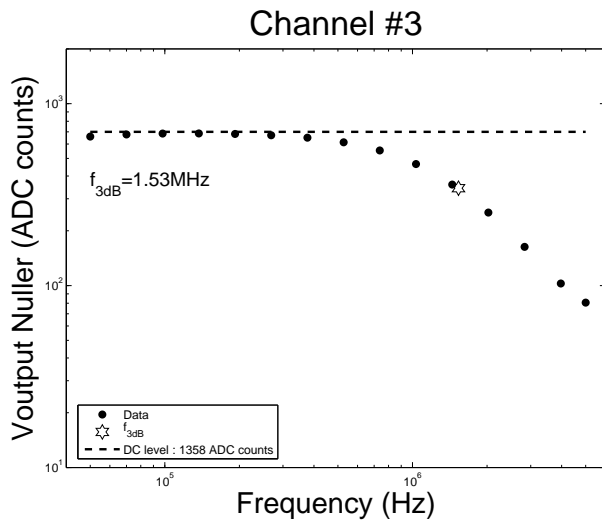
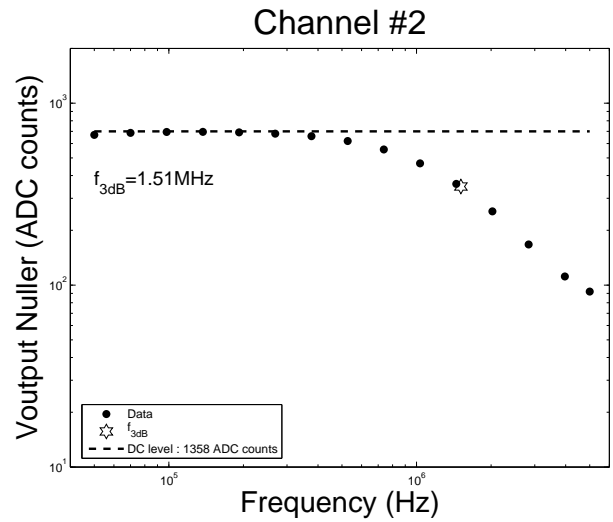
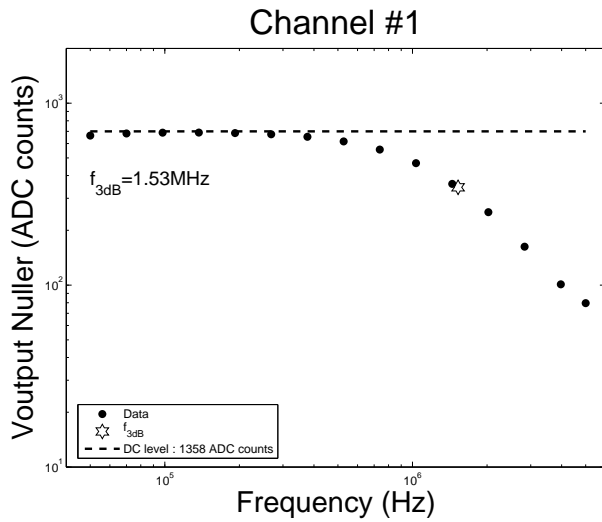
Heater Voltage Set vs Heater Voltage Read

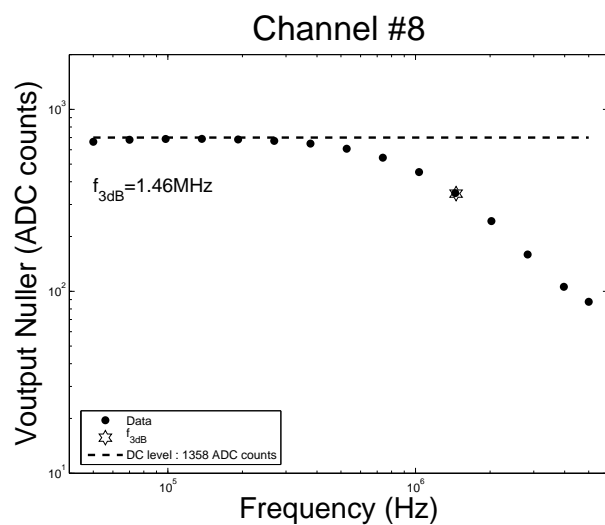
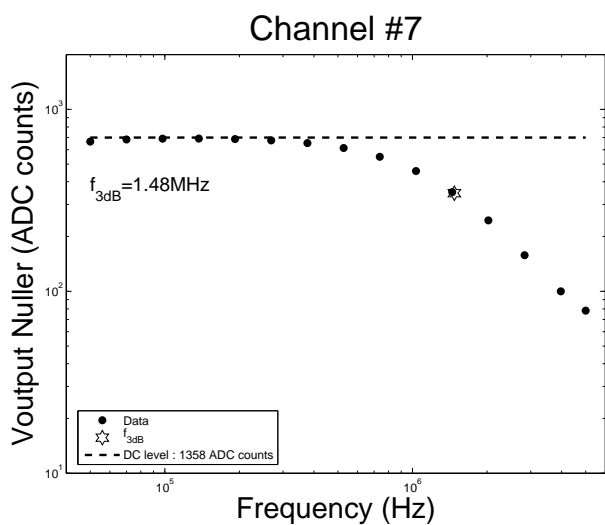
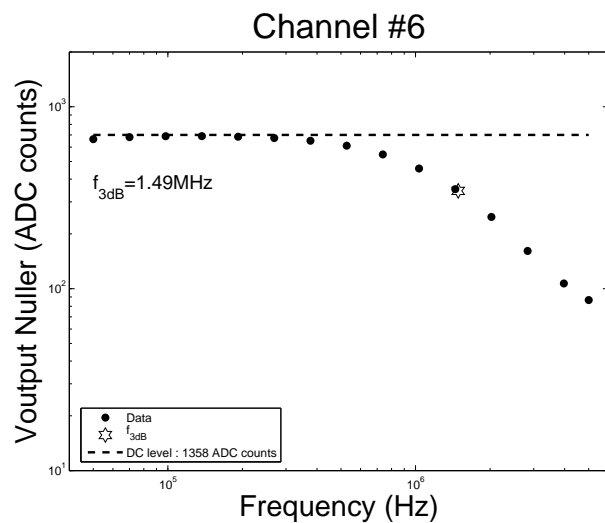
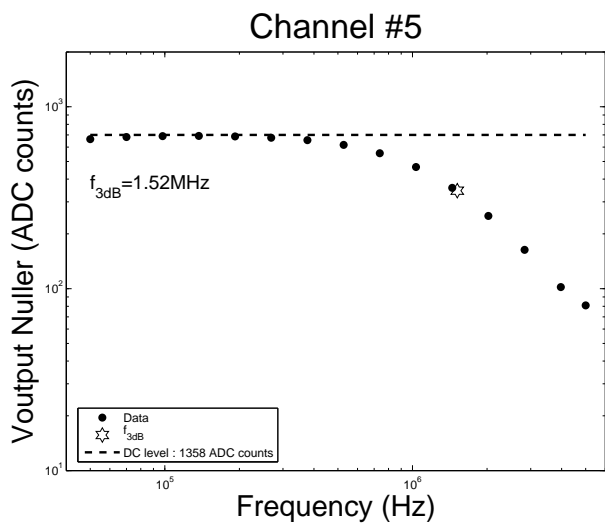
# DAC Offset as a Function of $\Phi_{bias}$



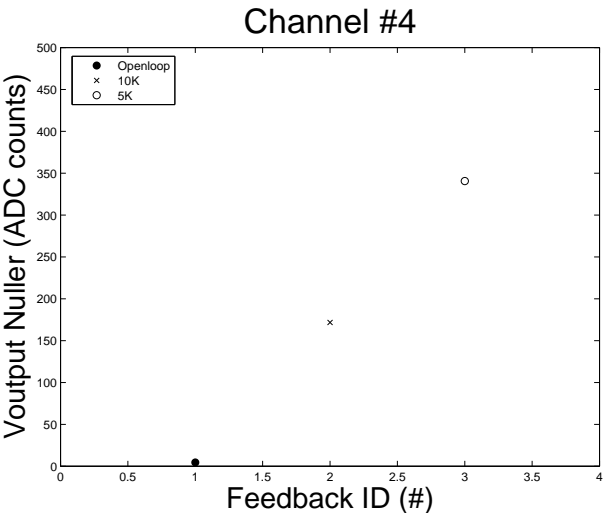
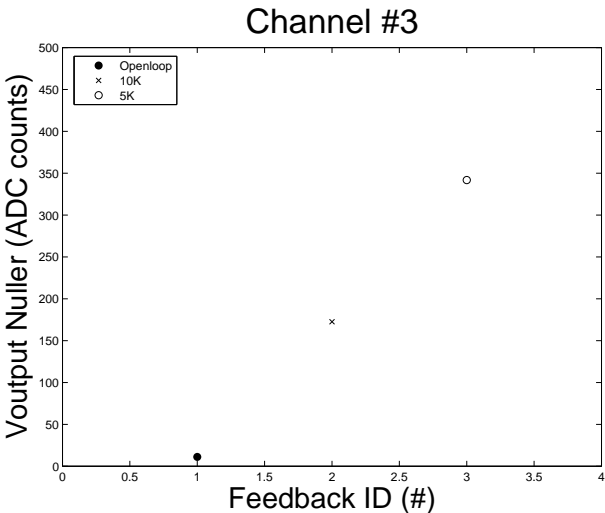
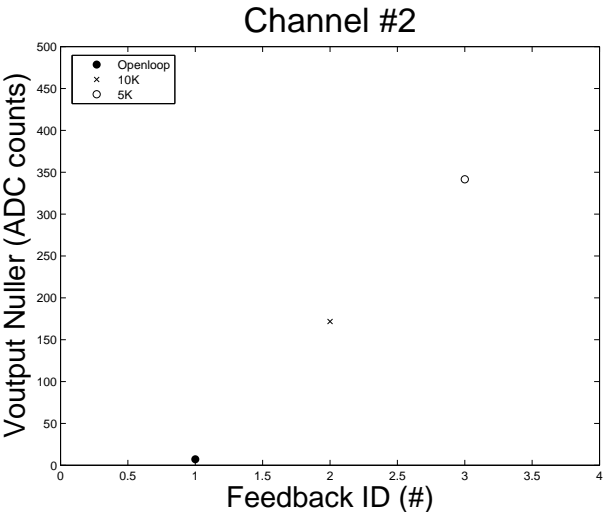
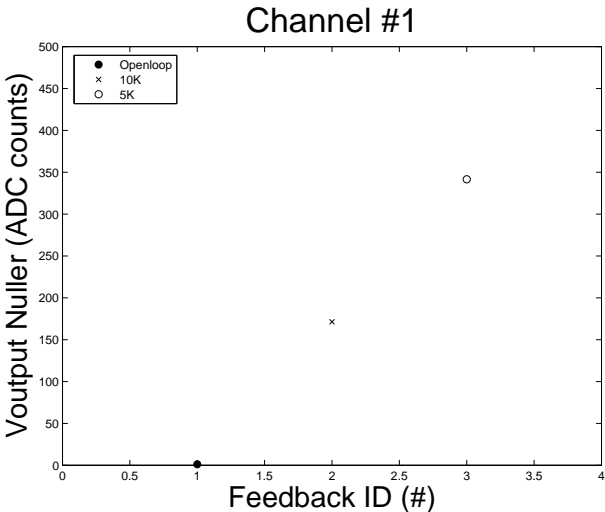


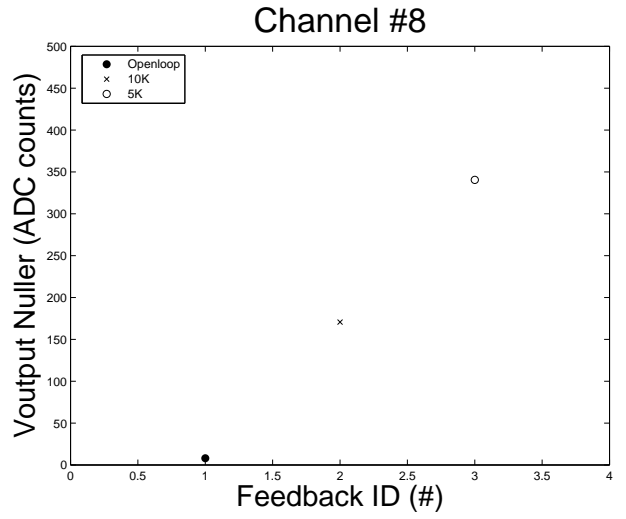
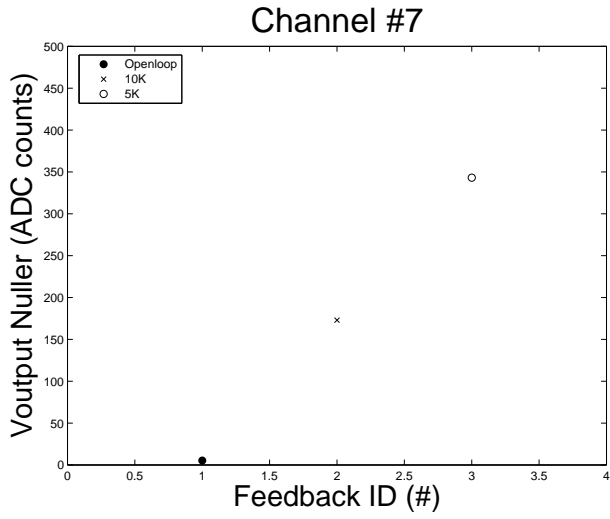
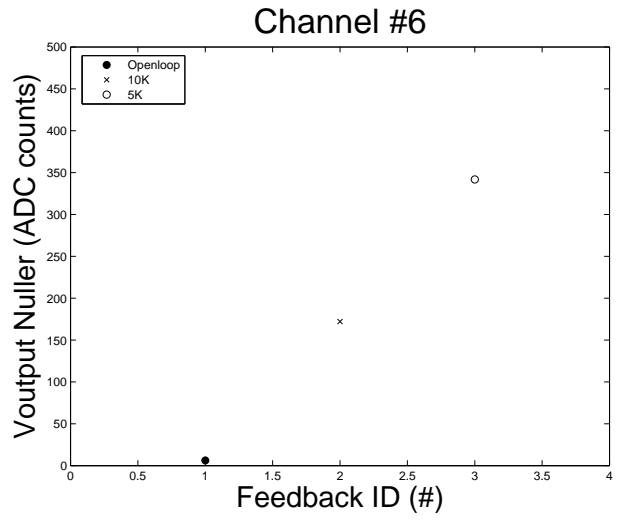
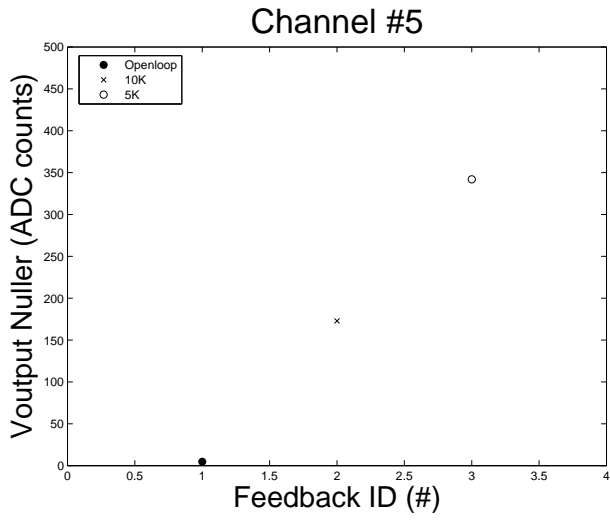
# Nuller Through the Amplification Chain's $V_{output}$ as a Function of Frequency



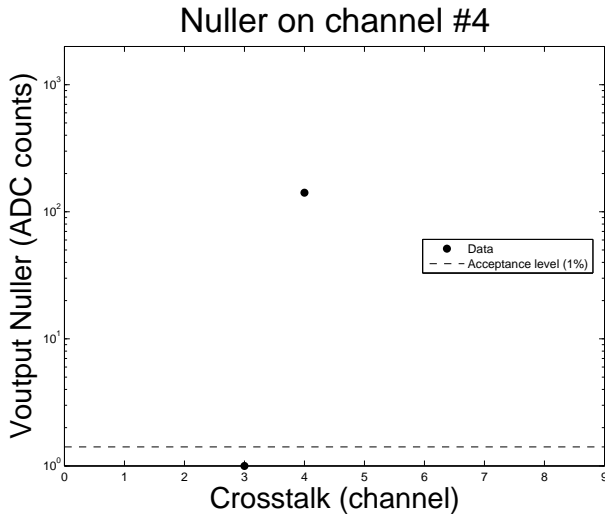
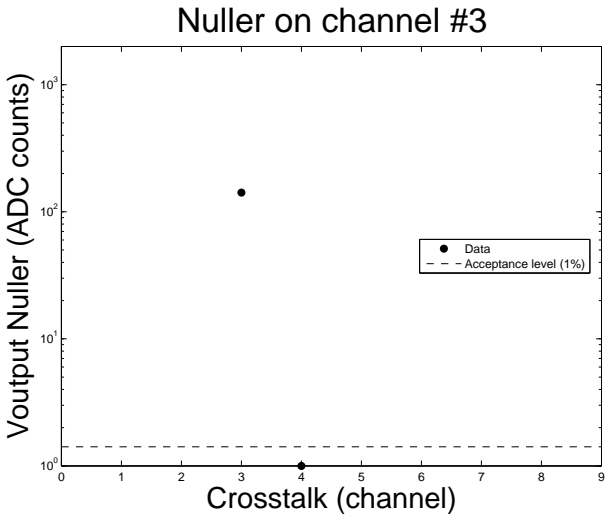
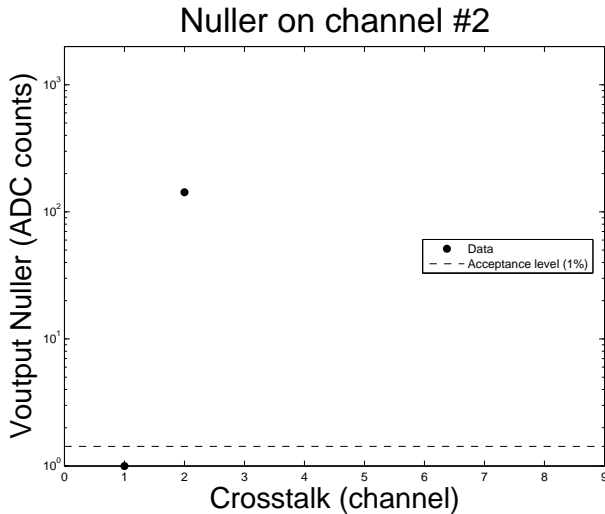
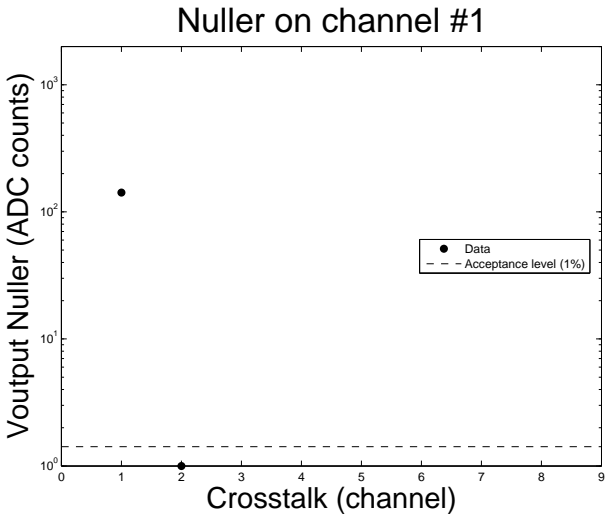


# Nuller Through the Feedback Loop's $V_{output}$ as a Function of Feedback



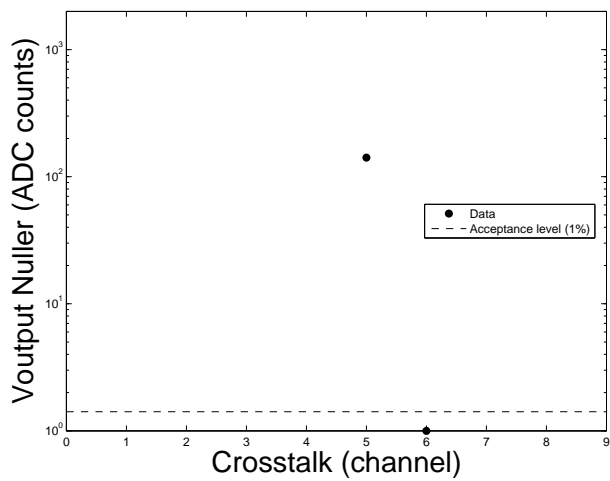


# Crosstalk Measurements with a Nuller going through the amplification chain

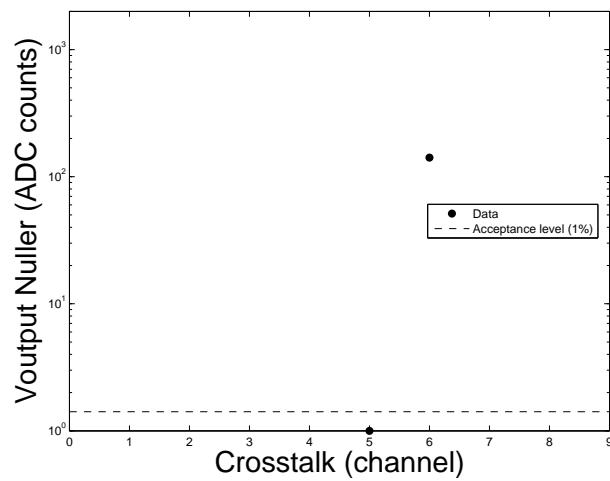




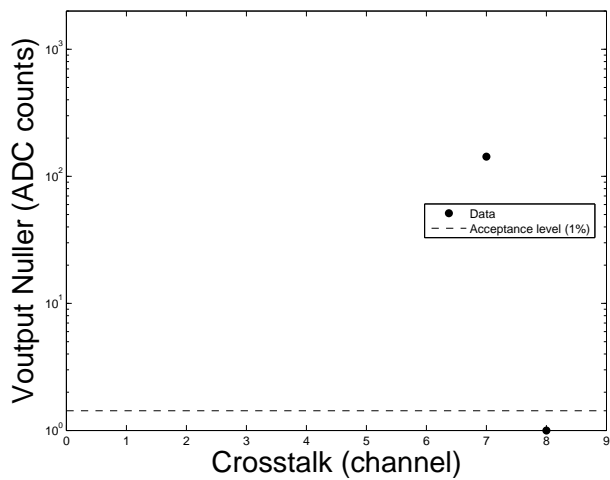
Nuller on channel #5



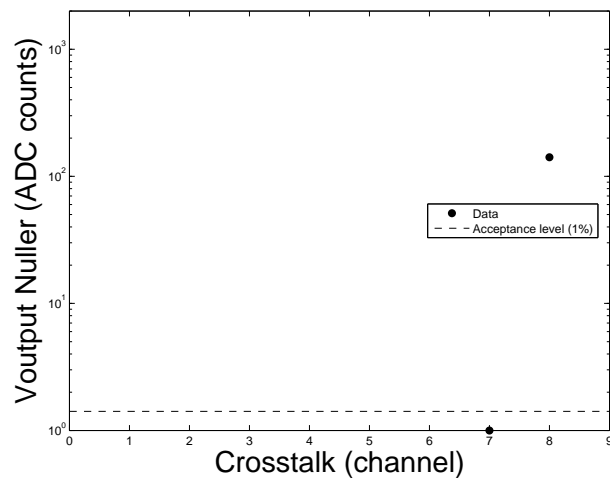
Nuller on channel #6



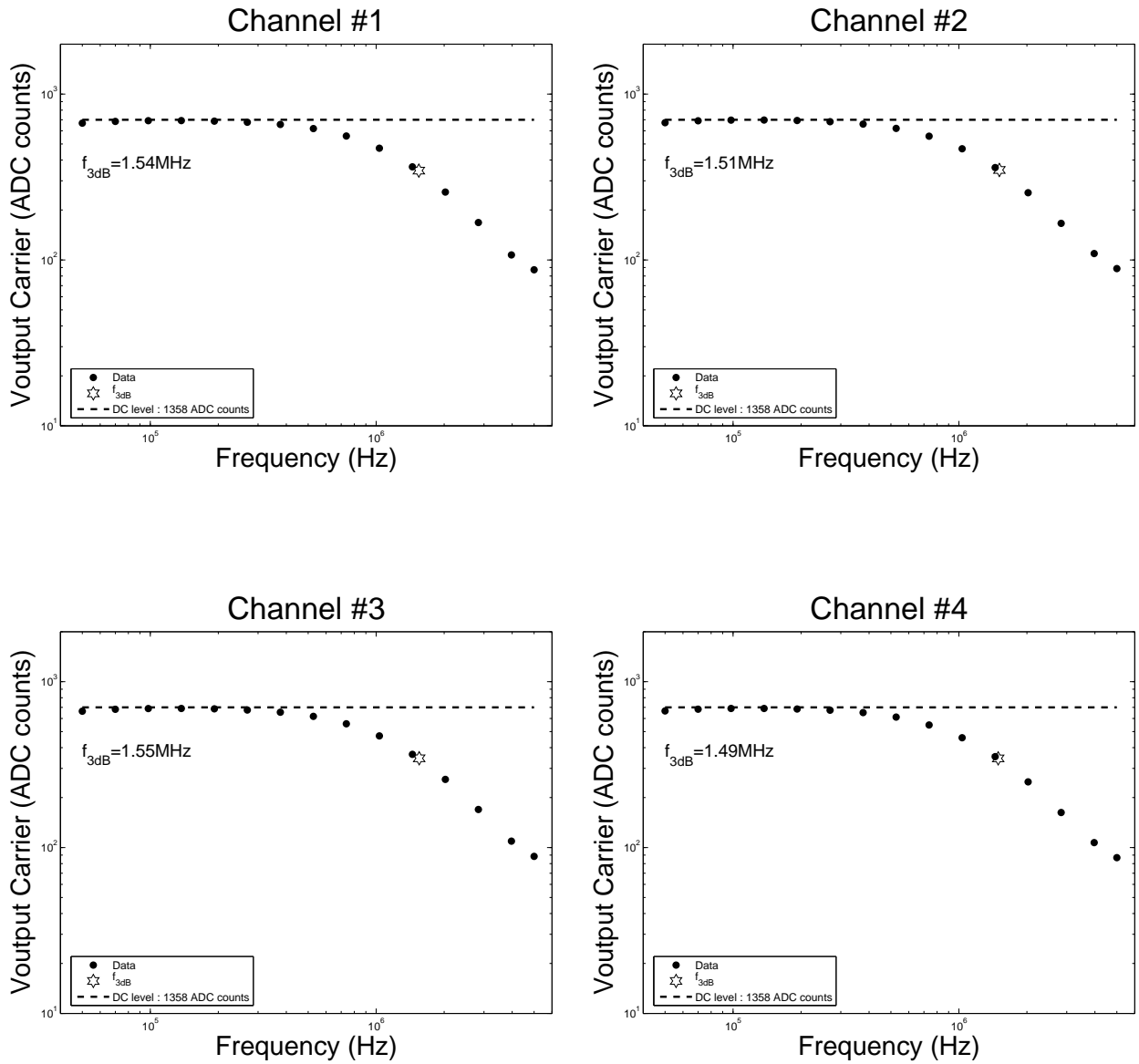
Nuller on channel #7

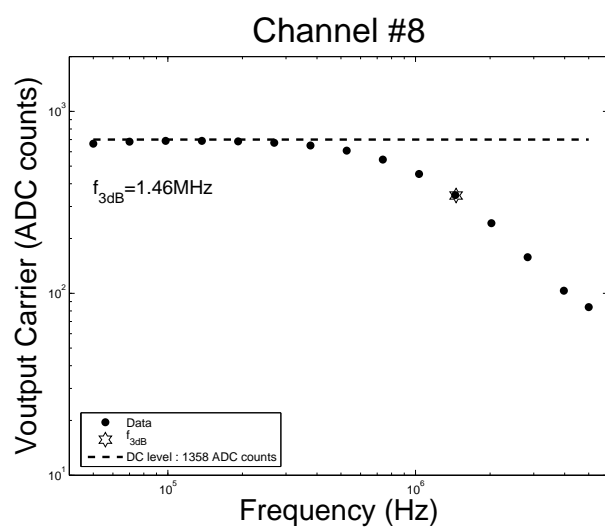
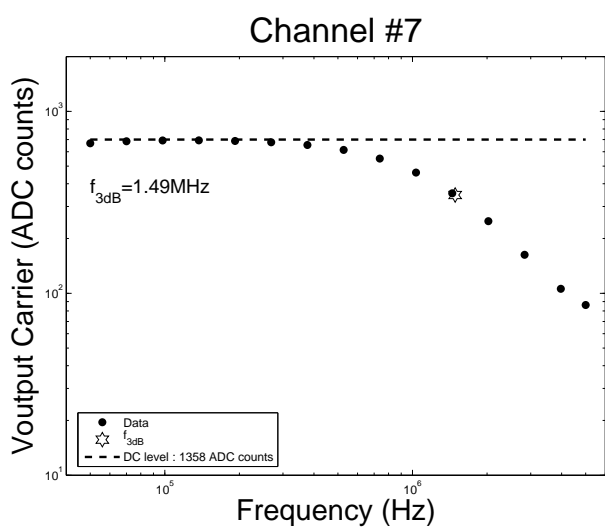
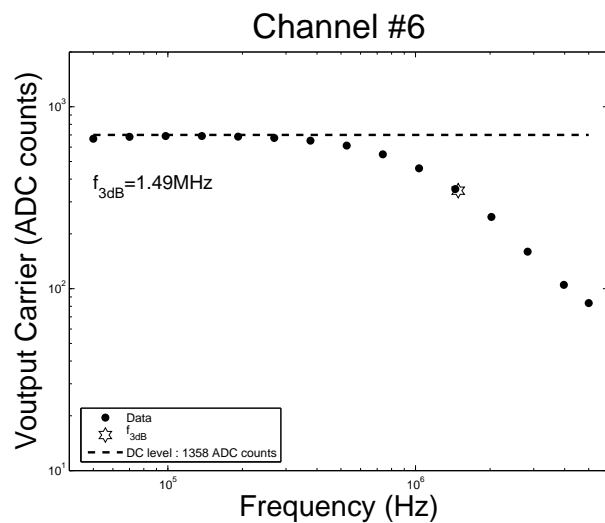
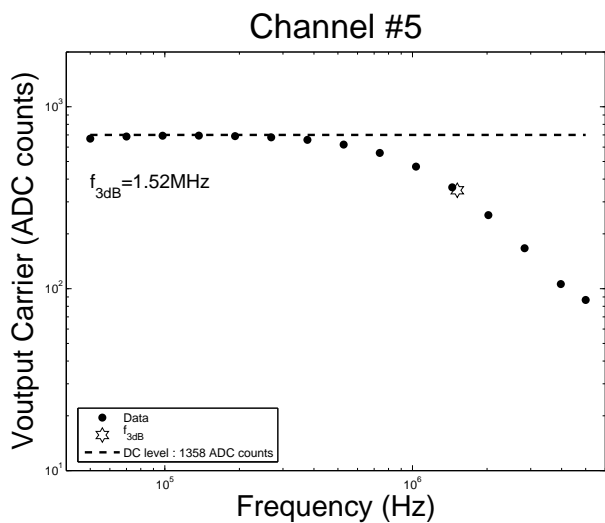


Nuller on channel #8



# Carrier Through the Amplification Chain's $V_{output}$ as a Function of Frequency





# Heater Voltage Read as a Function of Heater Voltage Set

