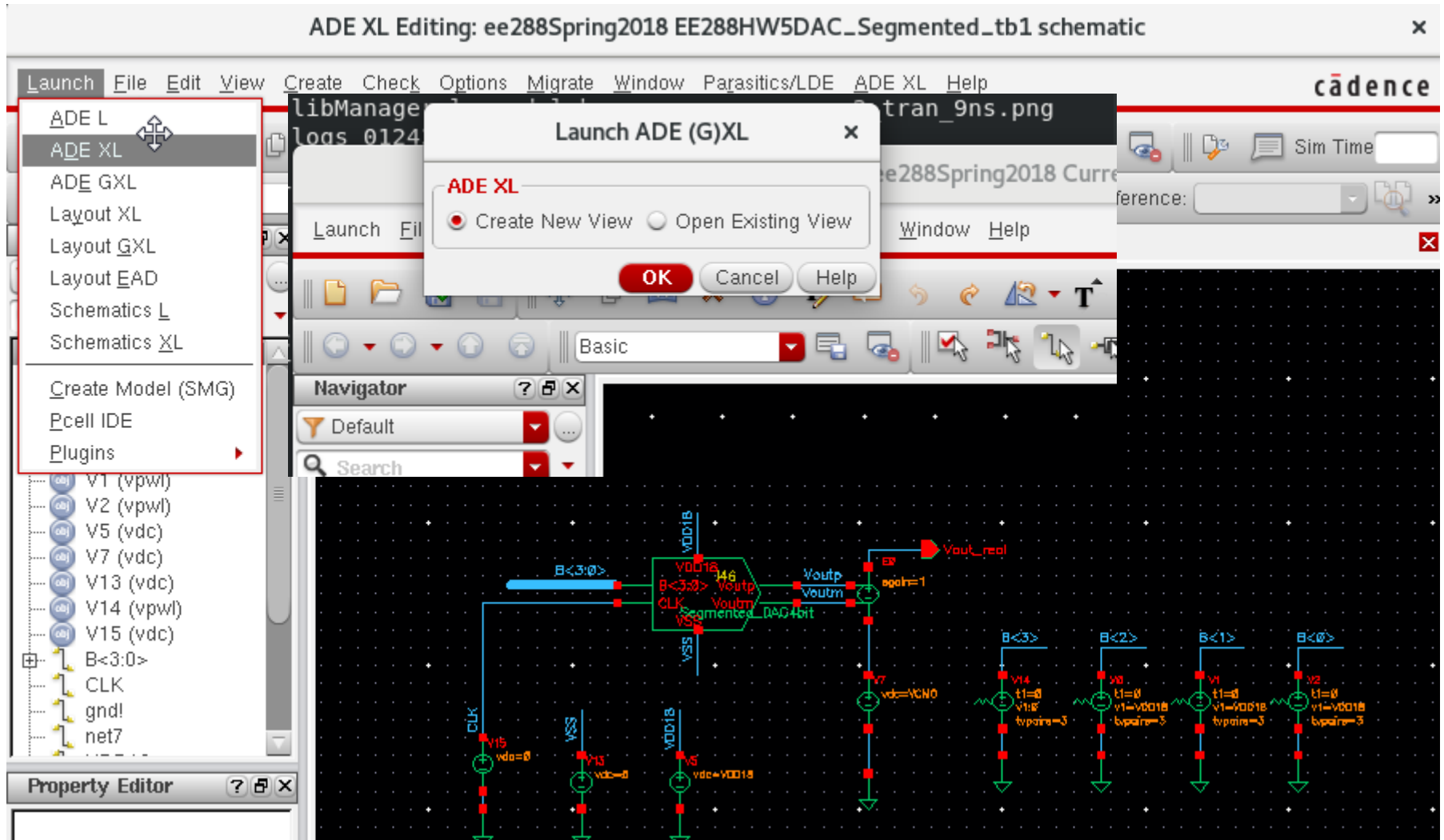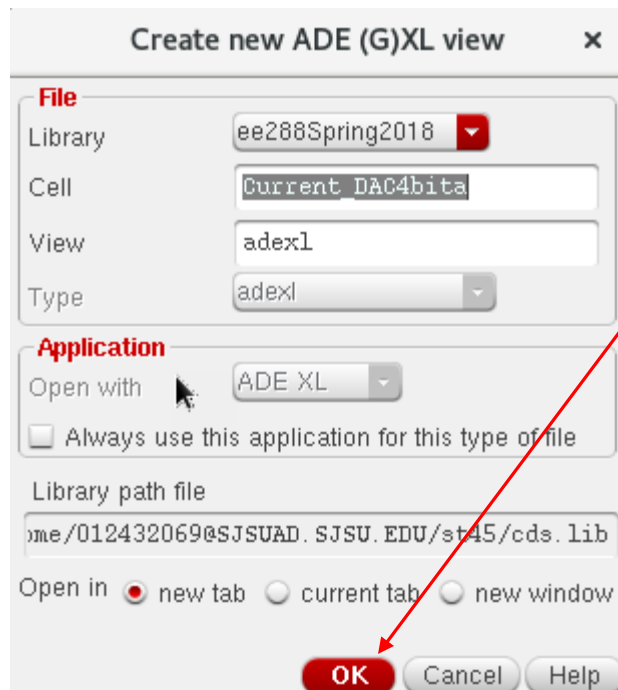# Monte Carlo Simulation Setup
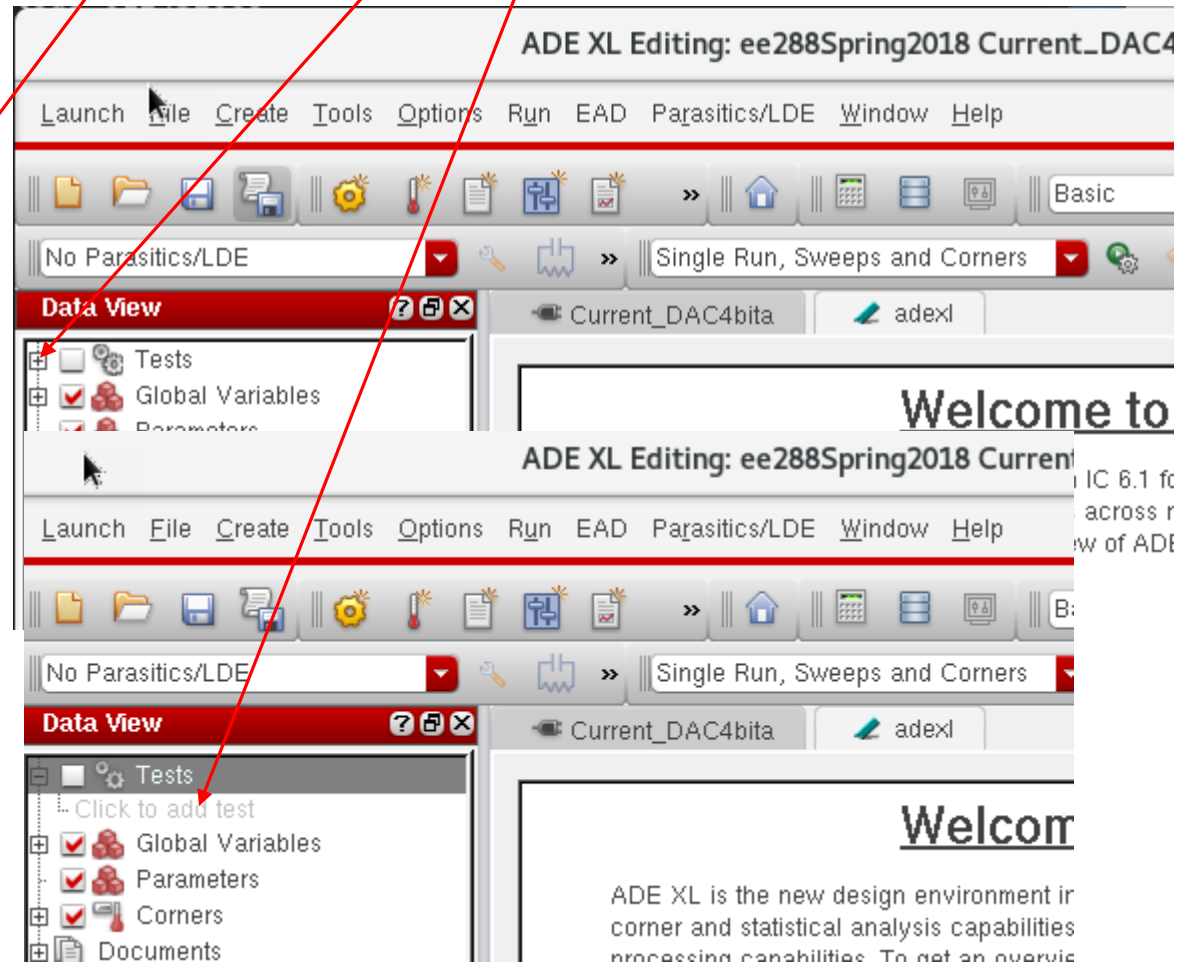
In Schematic View, Launch ADE XL and choose Create New View
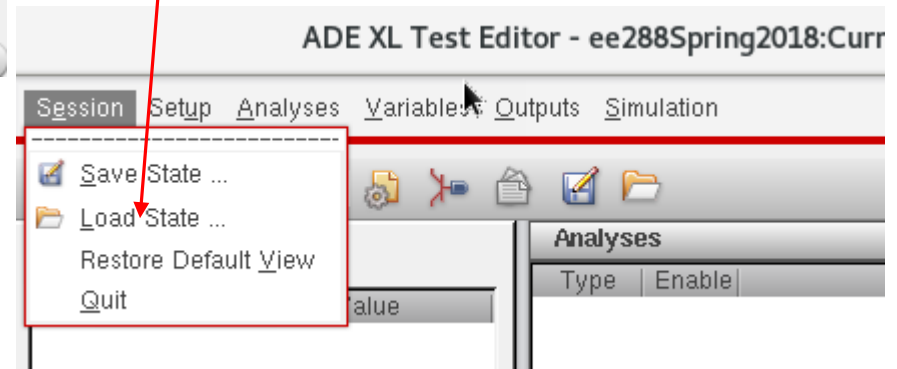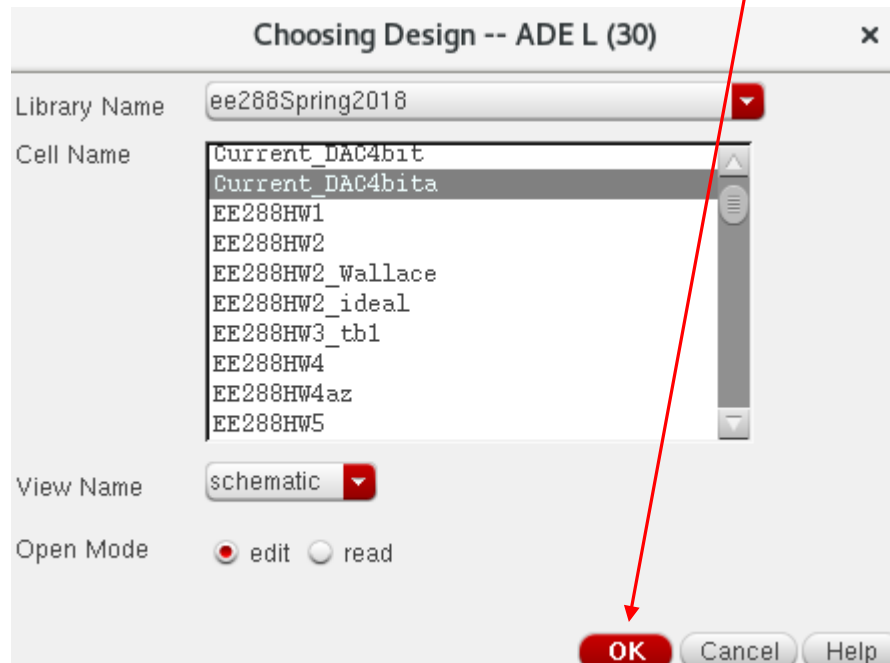
Monte Carlo Simulation Setup
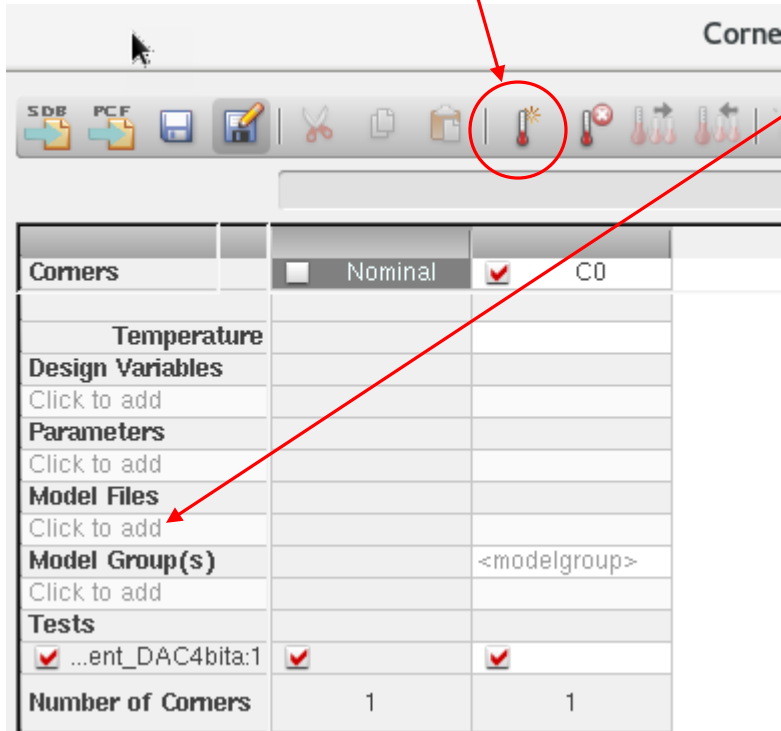

Click OK and then Click to add test

Monte Carlo Simulation Setup
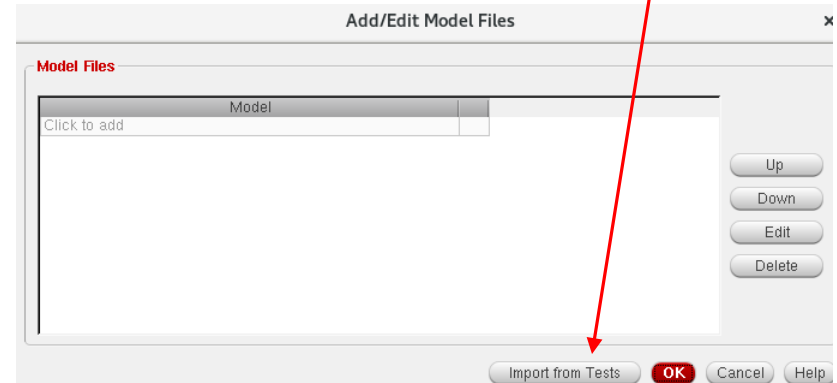
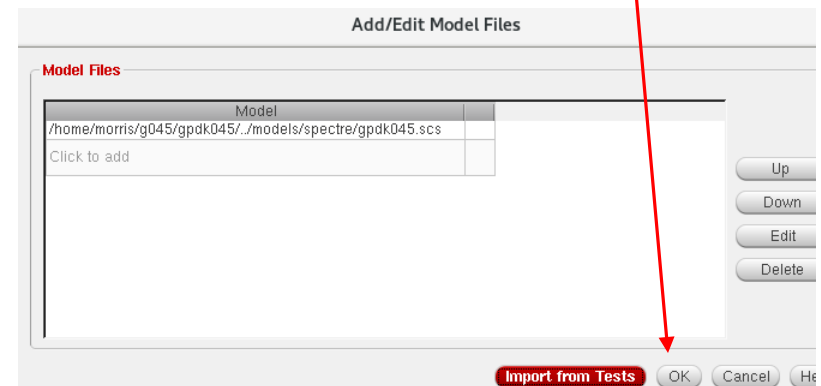Click OK and then Load State …

Monte Carlo Simulation Setup

Click on Corner Setup Icon and then click on "Click to add"

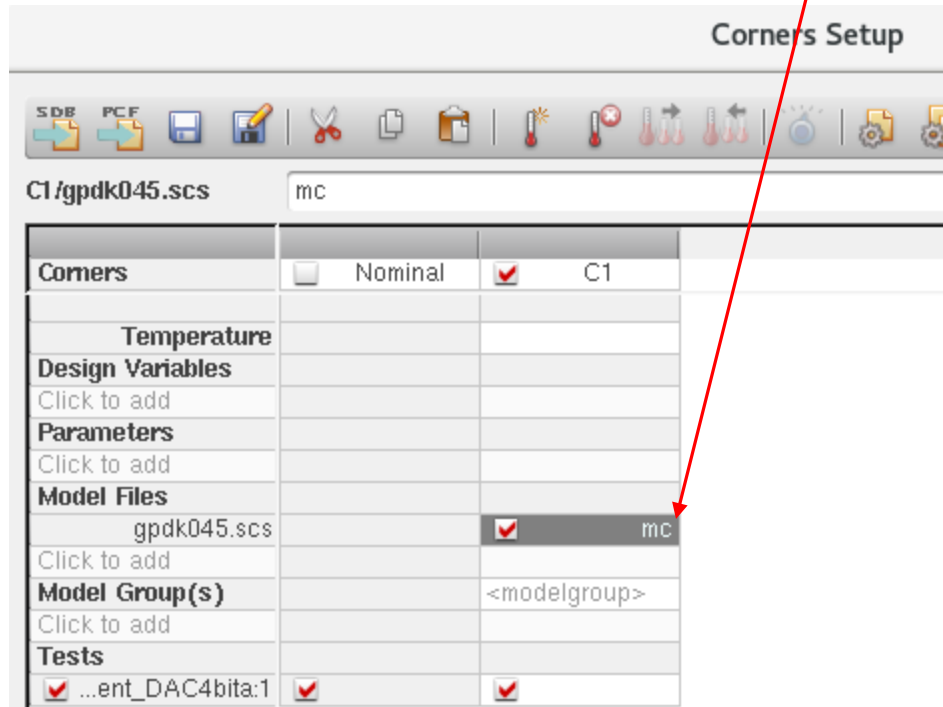Then click on "Import from Tests"

Then click on "OK"

Monte Carlo Simulation Setup

De-select "Normal" and Select C1 and then choose "mc"

Monte Carlo Simulation Setup

Select Monte Carlo Sampling

Monte Carlo Simulation Setup

Click the Monte Carlo setup icon and fill out the form

Monte Carlo Simulation Setup

Setup the result expression to calculate the DNL at major bit transition as shown below.

deltaV = DNL = Vout at Code 1000 − Vout at Code 1000

MC Simulation Result: Segmented DAC
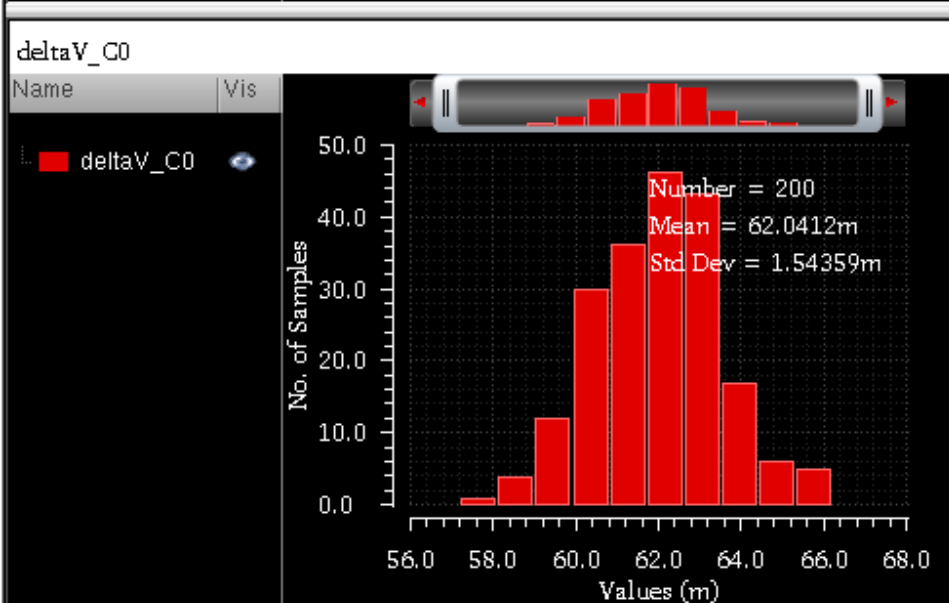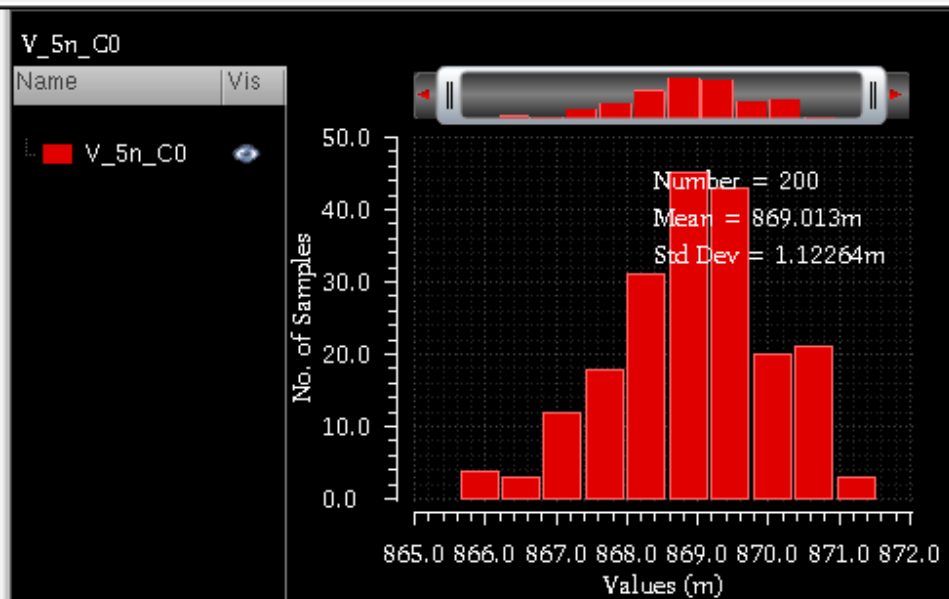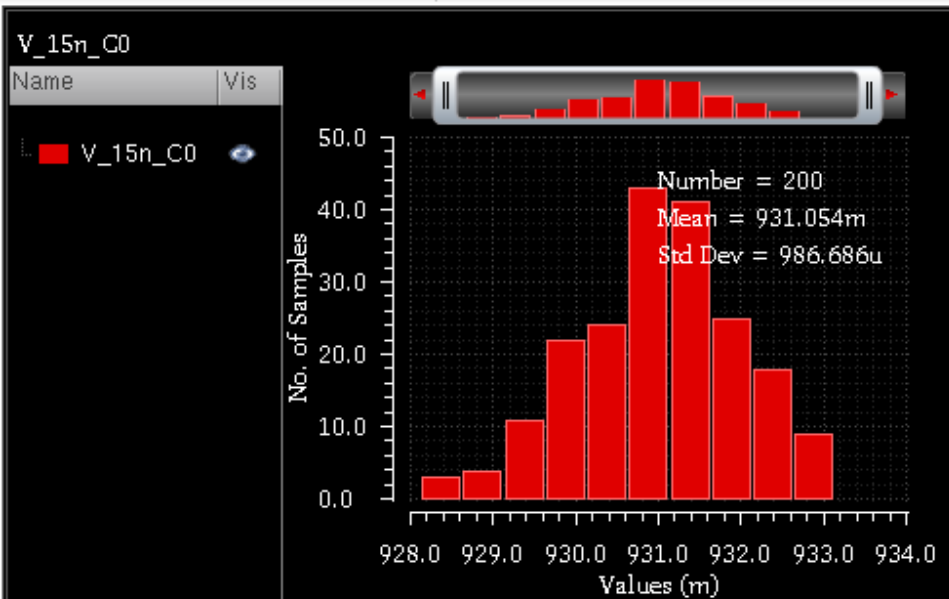
MC Simulation Result: Binary Weigted DAC
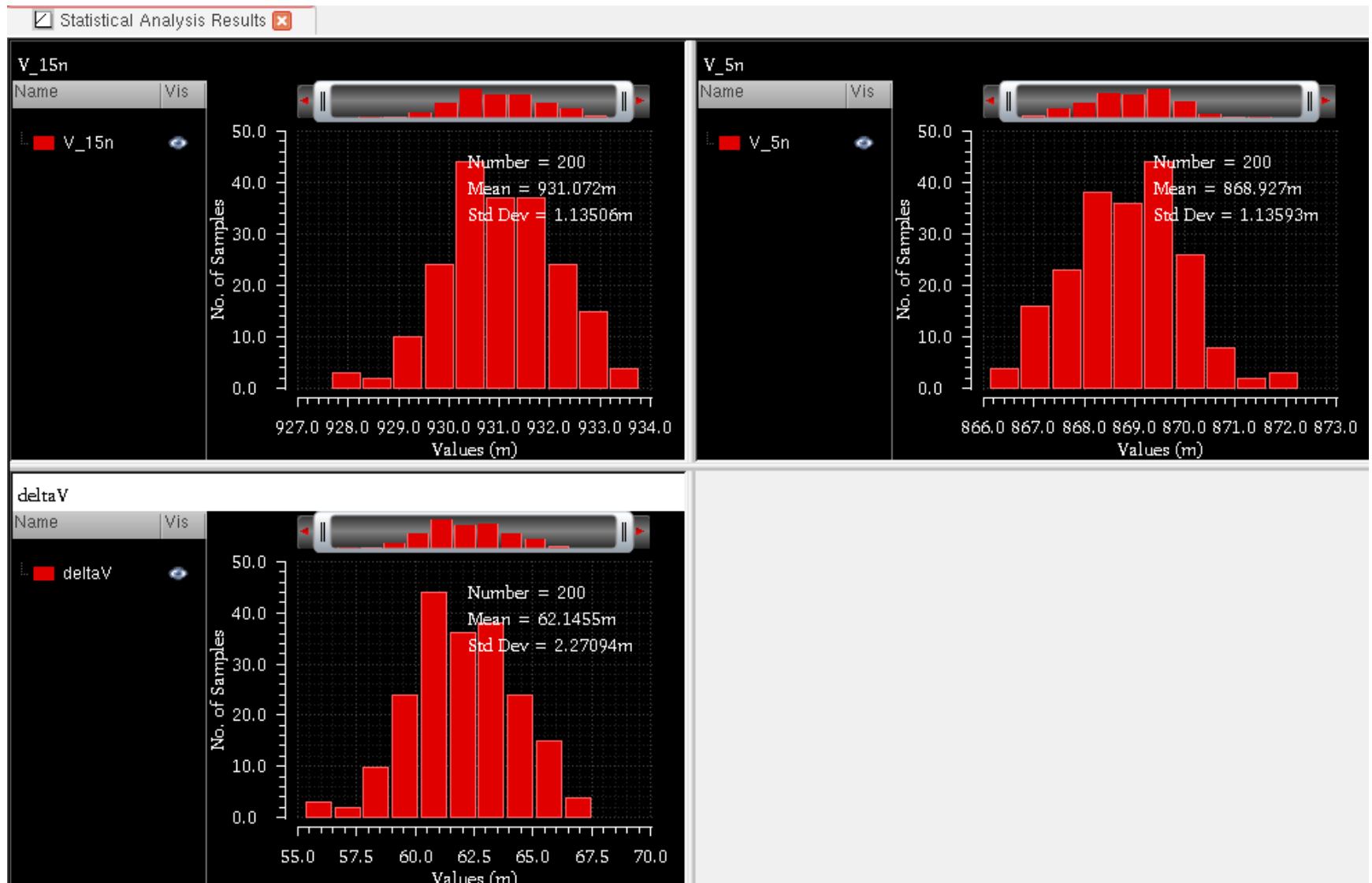
DAC Monte Carlo Simulation

Segmented vs Binary Weighted