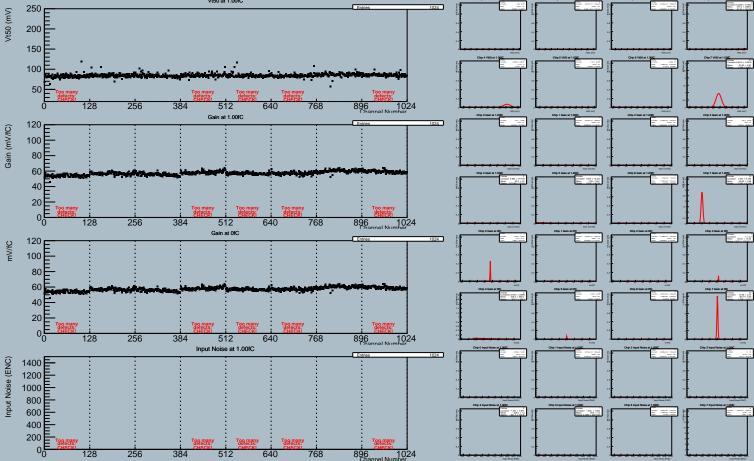
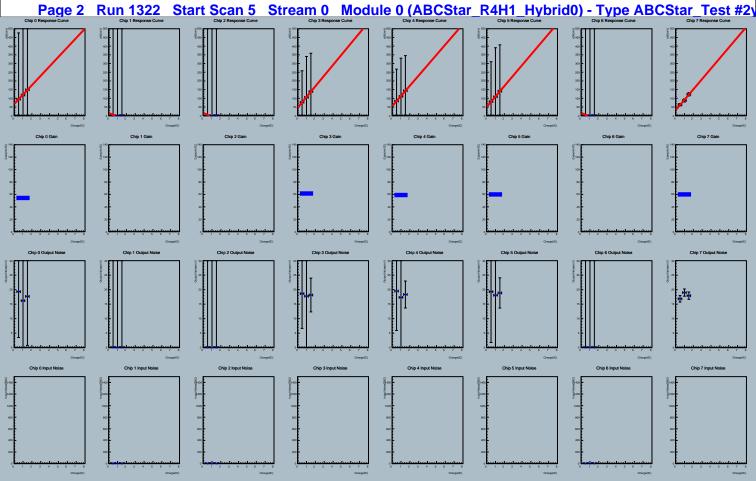
ATLAS ITk Test: Response vs. Channel - Wed Jun 1 15:46:12 2022 - TRIUMF

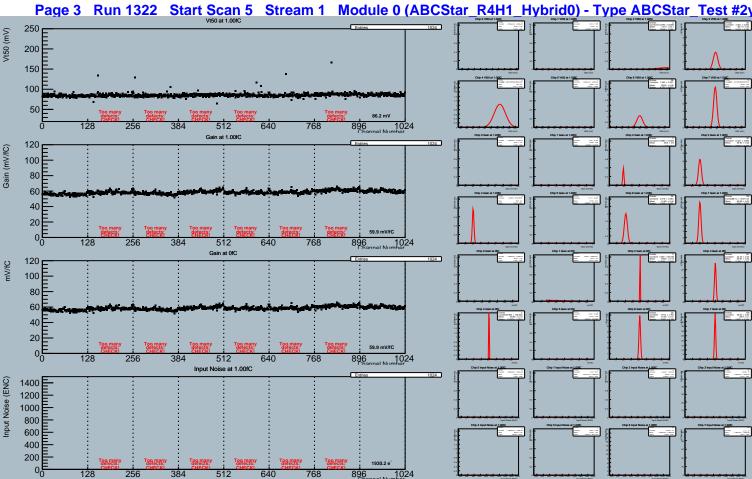
Page 1 Run 1322 Start Scan 5 Stream 0 Module 0 (ABCStar_R4H1_Hybrid0) - Type ABCStar_Test #2y

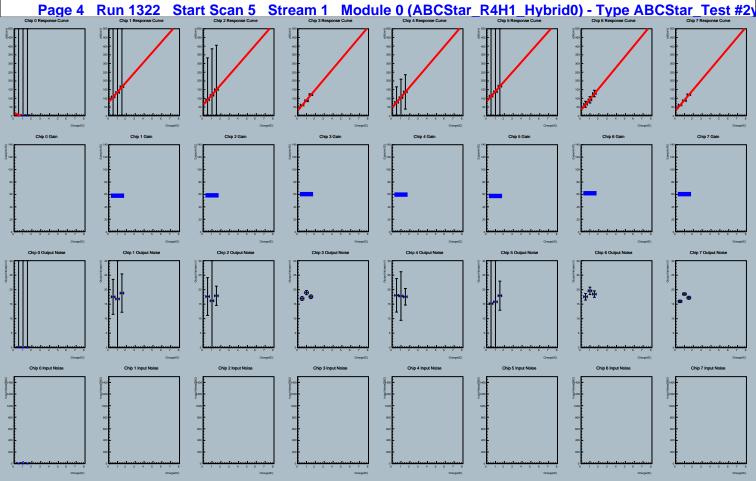




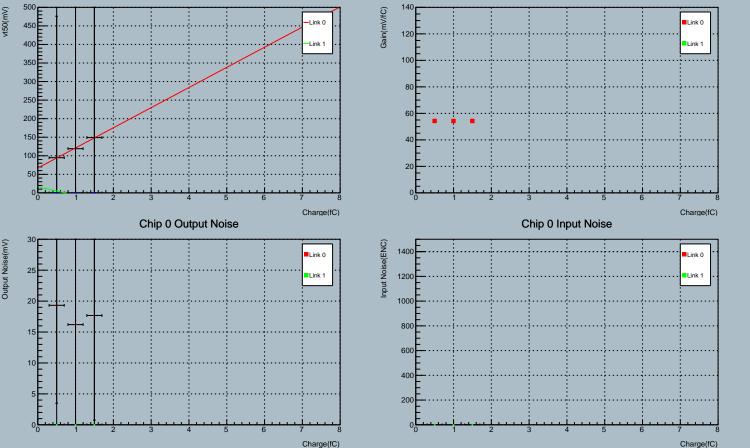
ATLAS ITk Test: Response vs. Channel - Wed Jun 1 15:46:12 2022 - TRIUMF

Page 3 Run 1322 Start Scan 5 Stream 1 Module 0 (ABCStar R4H1 Hybrid0) - Tyr





Page 4 Run 1322 Start Scan 5 Chip 0 (10) Module 0 (ABCStar_R4H1_Hybrid0) - Type ABCStar_Test #2
Chip 0 Response Curve Chip 0 Gain



Output Noise(mV)

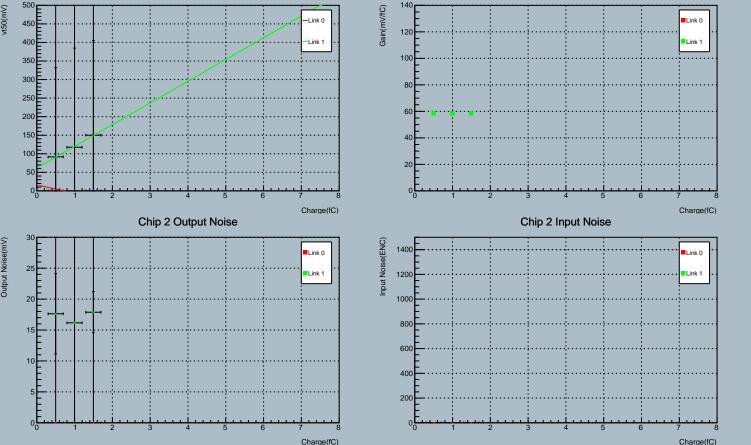
Page 5 Run 1322 Start Scan 5 Chip 1 (9) Module 0 (ABCStar_R4H1_Hybrid0) - Type ABCStar_Test #2) Chip 1 Gain Chip 1 Response Curve 500 140 Sain(mV/fC) Link 0 450 120 400 Link 1 100 350 300 80 60 200 150 40 20 50 Charge(fC) Charge(fC) Chip 1 Output Noise Chip 1 Input Noise Input Noise(ENC 1400 Link 0 Link 1 1200 20 1000 800 600 400

200

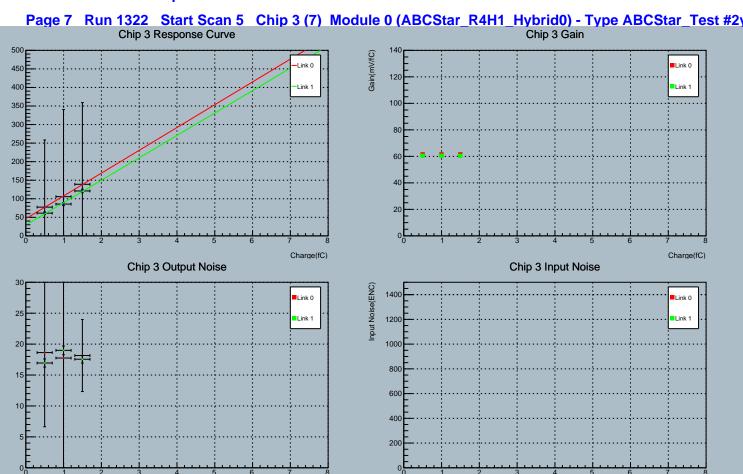
Charge(fC)

Page 6 Run 1322 Start Scan 5 Chip 2 (8) Module 0 (ABCStar_R4H1_Hybrid0) - Type ABCStar_Test #2)
Chip 2 Response Curve

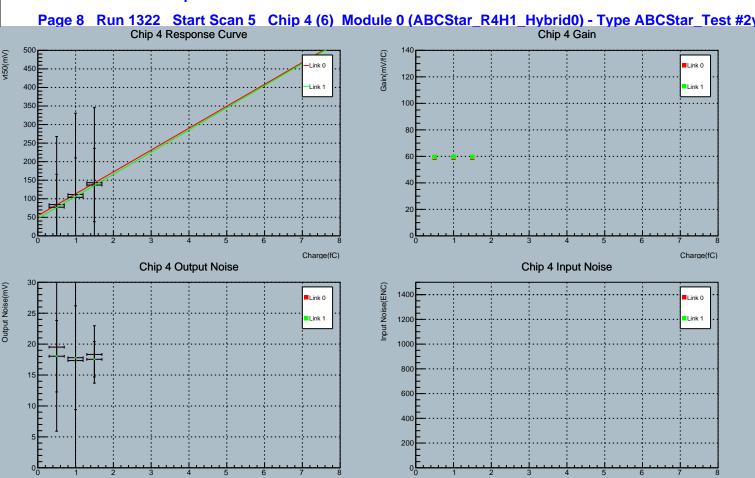
Chip 2 Gain



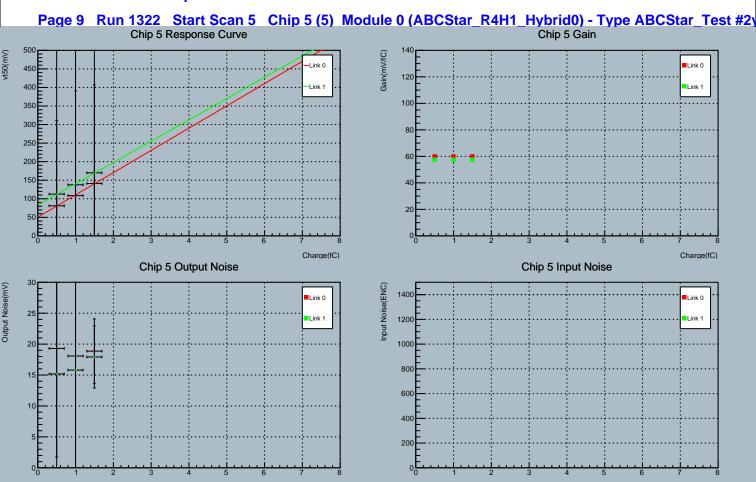
Charge(fC)



Charge(fC)

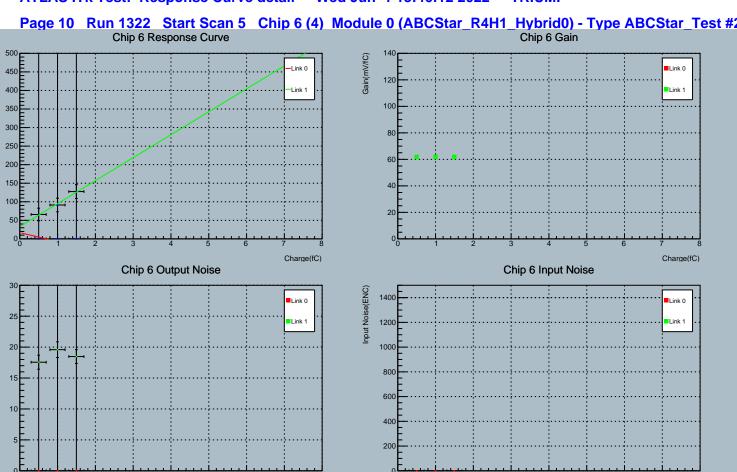


Charge(fC)



Charge(fC)

Output Noise(mV)



Page 11 Run 1322 Start Scan 5 Chip 7 (3) Module 0 (ABCStar_R4H1_Hybrid0) - Type ABCStar_Test #2
Chip 7 Response Curve
Chip 7 Gain

