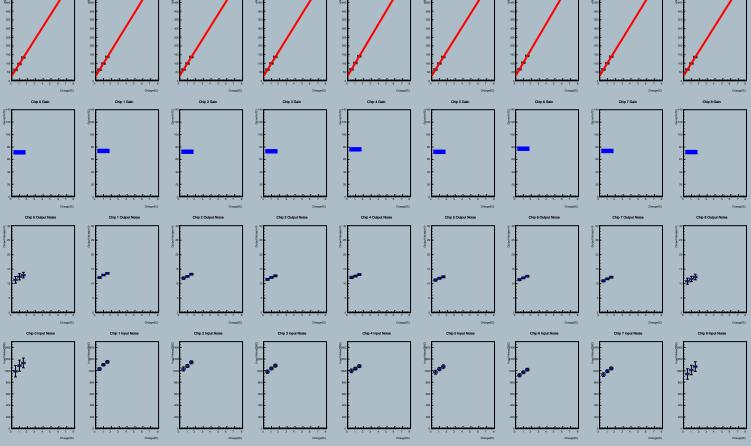
ATLAS ITk Test: Response vs. Channel - Tue May 31 15:53:11 2022 - TRIUMF Page 1 Run 1309 Start Scan 6 Stream 0 Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test 250 r 50 88.6 mV 120 F 100 E 80 F 120 □ 100 E 65.9 mV/fC 72.5 mV/fC 1024 1152 Input Noise at 1.00fC 1437.0 e 1024 1152

ATLAS ITk Test: Response Curve - Tue May 31 15:53:11 2022 - TRIUMF Page 2 Run 1309 Start Scan 6 Stream 0 Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test City of Response Cores City of Response Core City of Response Cores City of Response Core City o Chip 0 Gain Chip 1 Gain Chip 2 Gain Chip 3 Gain Chip 4 Gain Chip 5 Gain Chip 6 Gain Chip 7 Gain Chip 8 Gain Chip 0 Output Noise Chip 1 Output Noise Chip 3 Output Noise Chip 0 Input Noise Chip 1 Input Noise Chip 2 Input Noise Chip 3 Input Noise Chip 4 Input Noise Chip 5 Input Noise Chip 6 Input Noise Chip 7 Input Noise Chip 8 Input Noise

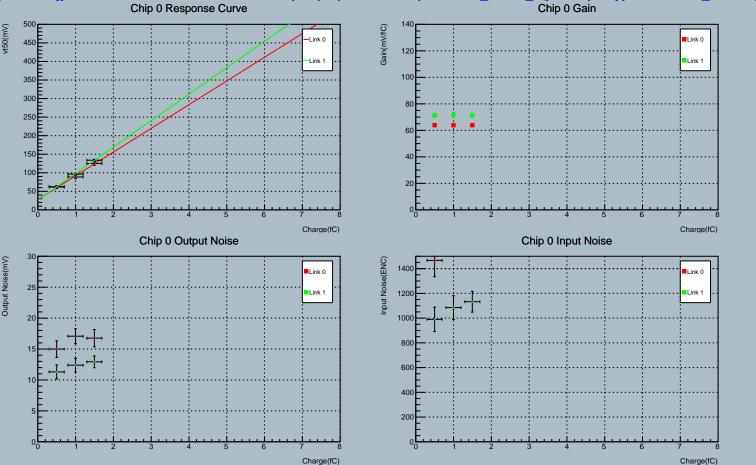
ATLAS ITk Test: Response vs. Channel - Tue May 31 15:53:11 2022 - TRIUMF Page 3 Run 1309 Start Scan 6 Stream 1 Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test 250 -50 E Gain at 1.00fC 120 _ 100 E Gain at 0fC 120 □ 100 F 1024 1152 Input Noise at 1.00fC

ATLAS ITk Test: Response Curve - Tue May 31 15:53:11 2022 - TRIUMF Page 4 Run 1309 Start Scan 6 Stream 1 Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test Opt Response Core Opt Response Co



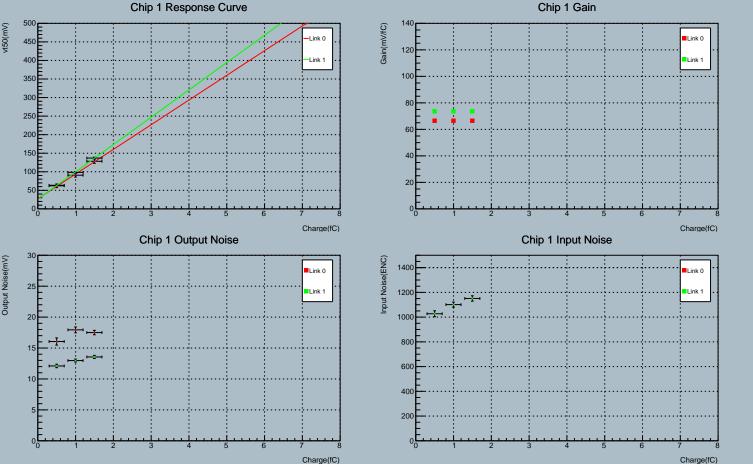
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 4 Run 1309 Start Scan 6 Chip 0 (10) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



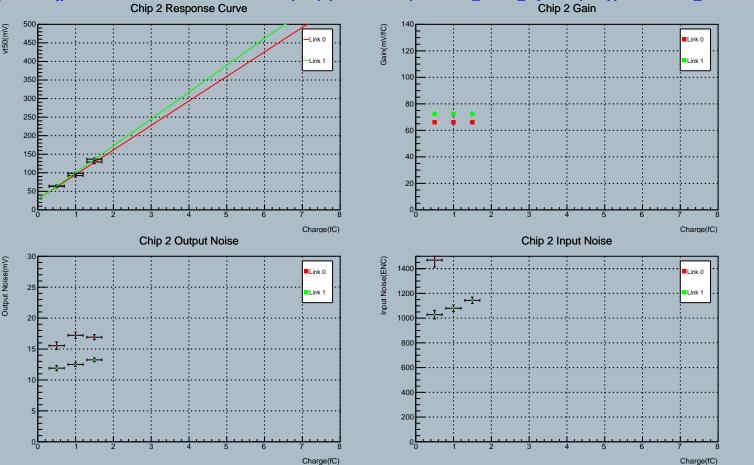
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 5 Run 1309 Start Scan 6 Chip 1 (9) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



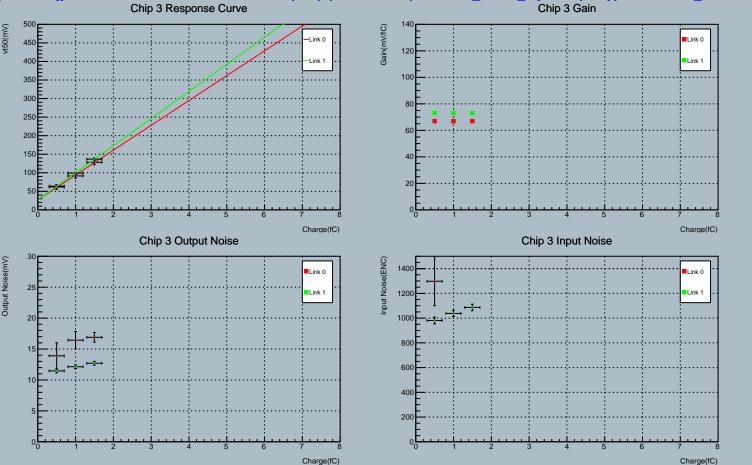
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 6 Run 1309 Start Scan 6 Chip 2 (8) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



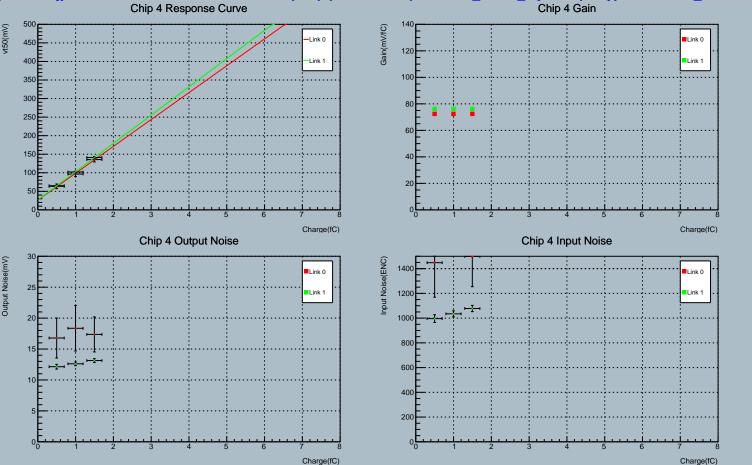
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 7 Run 1309 Start Scan 6 Chip 3 (7) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



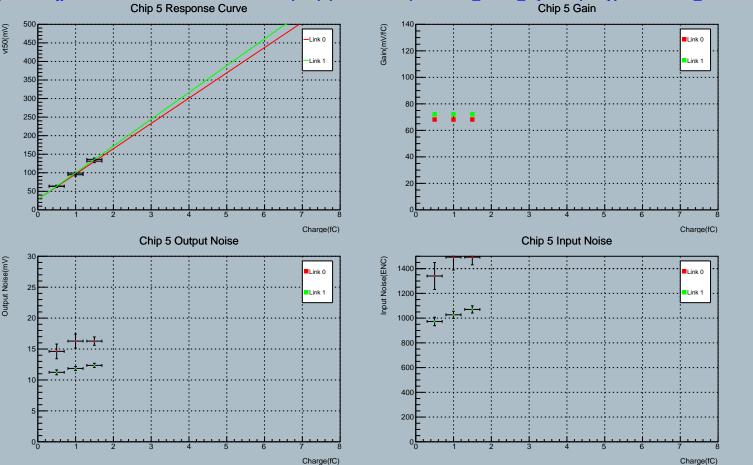
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF





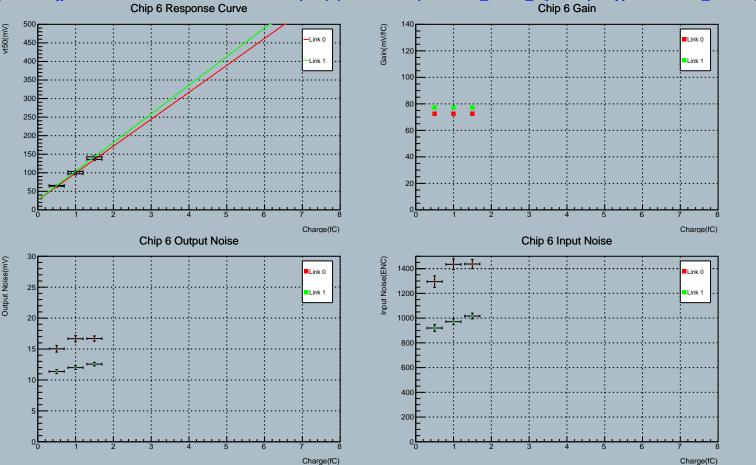
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 9 Run 1309 Start Scan 6 Chip 5 (5) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



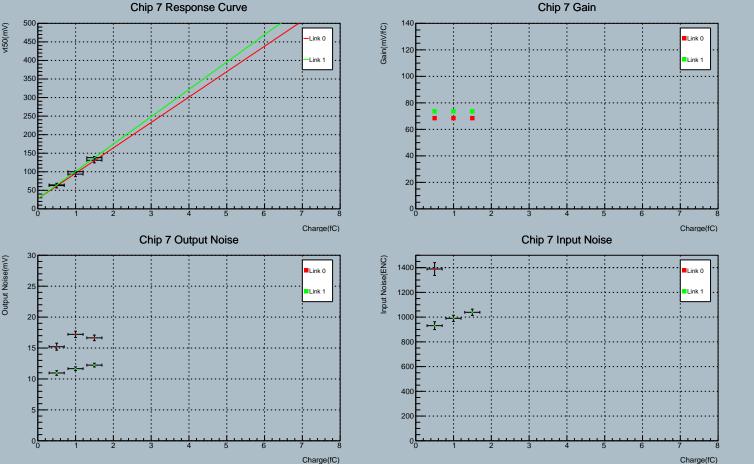
ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 10 Run 1309 Start Scan 6 Chip 6 (4) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 11 Run 1309 Start Scan 6 Chip 7 (3) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test



ATLAS ITk Test: Response Curve detail - Tue May 31 15:53:11 2022 - TRIUMF

Page 12 Run 1309 Start Scan 6 Chip 8 (2) Module 0 (ABCStar_R5H1_Hybrid2) - Type ABCStar_Test

