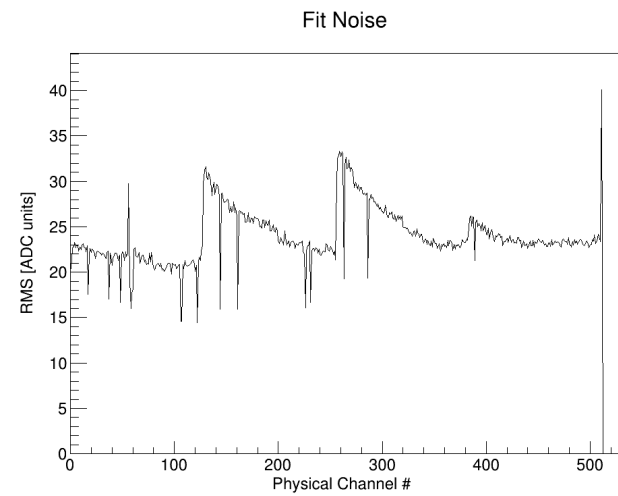
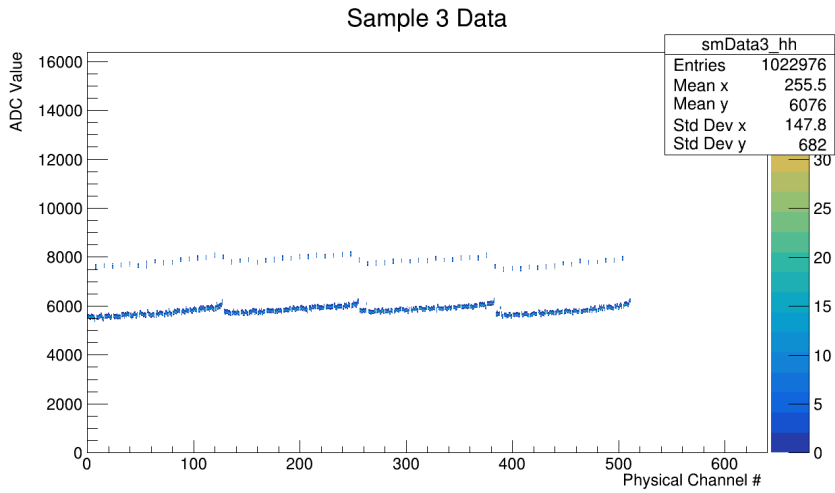


L0M01 Half-Module

50 V bias ENC:



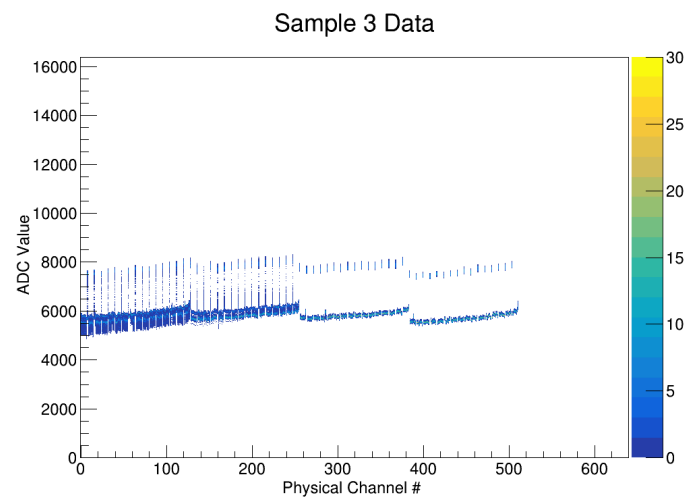
2019/03/22: 50V bias icalScan45



Bad Channel Table:

Sector B Sector A
pCH | apvCH | 128+apvCH | 2*128-apvCH-1| 128-apvCH-1
APV0
0 | 0 | 128 | 255 | 127
17 | 17 | 145 | 238 | 110
37 | 37 | 165 | 218 | 90
48 | 48 | 176 | 207 | 79
58 | 58 | 186 | 197 | 69
59 | 59 | 187 | 196 | 68
60 | 60 | 188 | 195 | 67
106 | 106 | 234 | 149 | 21
107 | 107 | 235 | 148 | 20
122 | 122 | 250 | 133 | 5
APV1
144 | 16 | 144 | 239 | 111
161 | 33 | 161 | 222 | 94
226 | 98 | 226 | 157 | 29
231 | 103 | 231 | 152 | 24
APV2
263 | 7 | 135 | 248 | 120
286 | 30 | 158 | 225 | 97
APV3
389 | 5 | 133 | 250 | 122

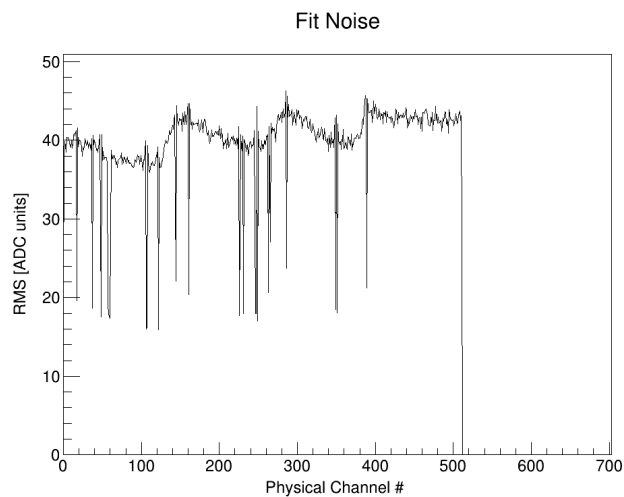
50V bias ical45_cg0:



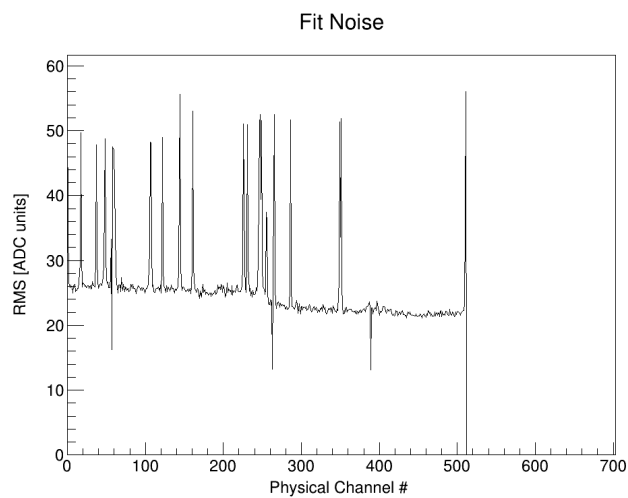
Sector A and B were accidentally swapped when pulling pinhole bonds.

Forest spent a day fixing it, here are the new results:

Baseline enc at 0V:

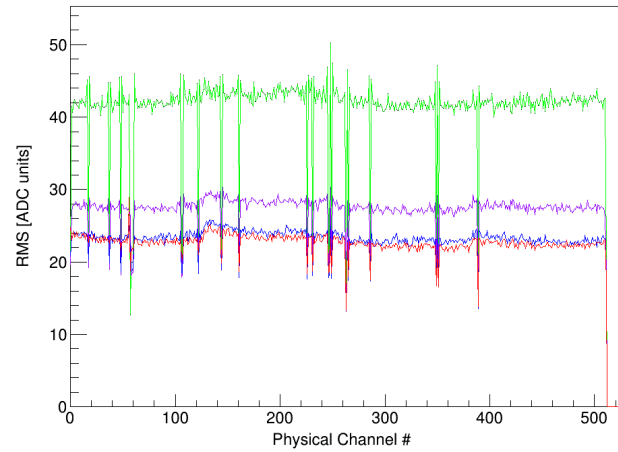


Baseline enc at 50V:



Bad channel table:

Sector B					Sector A				
pCH	apvCH	128+apvCH	2*128-apvCH-1	128-apvCH-1	pCH	apvCH	128+apvCH	2*128-apvCH-1	128-apvCH-1
APV0									
0	0	128	255	127					
17	17	145	238	110					
37	37	165	218	90					
48	48	176	207	79					
57	57	185	198	70					
58	58	186	197	69					
59	59	187	196	68					
60	60	188	195	67					
106	106	234	149	21					
107	107	235	148	20					
122	122	250	133	5					
APV1									
144	16	144	239	111					
161	33	161	222	94					
226	98	226	157	29					
231	103	231	152	24					
246	118	246	137	9					
247	119	247	136	8					
249	121	249	134	6					
APV2									
263	7	135	248	120					
265	9	137	246	118					
286	30	158	225	97					
349	93	221	162	34					
351	95	223	160	32					
APV3									
389	5	133	250	122					
511	127	255	128	0					
Nlow: 25									



2019/04/04
LOM01

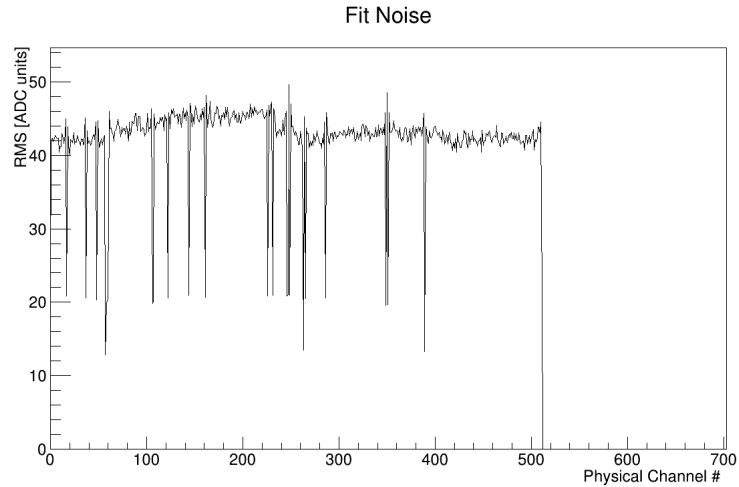
High Voltage Test
V/D:I/D
(V) (uA)
10 0.74
100 0.95
200 3.83
300 10.61
400 20.15

Low Voltage Test
Pre-Config
V/D:I/D
(V) (A)
AVDD: 2.50 0.107
DVDD: 2.50 0.253
V125: 1.25 0.000

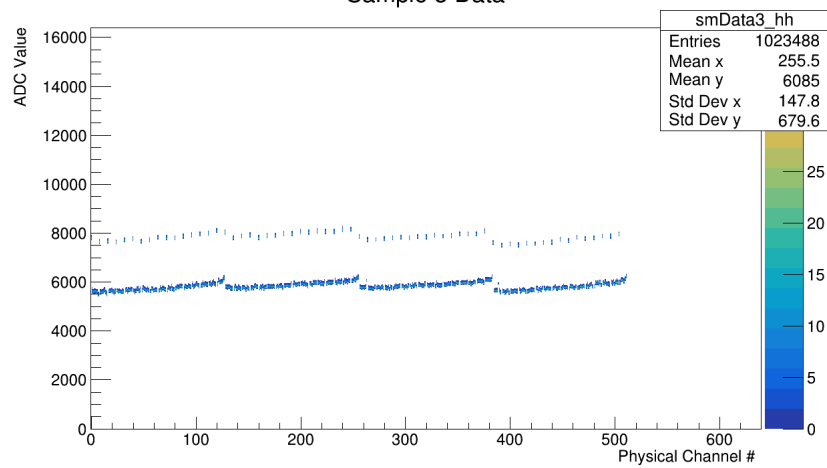
Post-Config
V/D:I/D
(V) (A)
AVDD: 2.50 0.269
DVDD: 2.50 0.245
V125: 1.25 0.232

Sector B Sector A
pCH | apvCH | 128+apvCH | 2*128-apvCH-1 | 128-apvCH-1
APV0
0 | 0 | 128 | 255 | 127
17 | 17 | 145 | 238 | 110
37 | 37 | 165 | 218 | 90
48 | 48 | 176 | 207 | 79
57 | 57 | 185 | 198 | 70
58 | 58 | 186 | 197 | 69
59 | 59 | 187 | 196 | 68
60 | 60 | 188 | 195 | 67
106 | 106 | 234 | 149 | 21
107 | 107 | 235 | 148 | 20
122 | 122 | 250 | 133 | 5
APV1
144 | 16 | 144 | 239 | 111
161 | 33 | 161 | 222 | 94
226 | 98 | 226 | 157 | 29
231 | 103 | 231 | 152 | 24
246 | 118 | 246 | 137 | 9
247 | 119 | 247 | 136 | 8
249 | 121 | 249 | 134 | 6
APV2
263 | 7 | 135 | 248 | 120
265 | 9 | 137 | 246 | 118
286 | 30 | 158 | 225 | 97
349 | 93 | 221 | 162 | 34
351 | 95 | 223 | 160 | 32
APV3
389 | 5 | 133 | 250 | 122
511 | 127 | 255 | 128 | 0
Nlow: 25

0V baseline Noise



Sample 3 Data



Fit Noise

