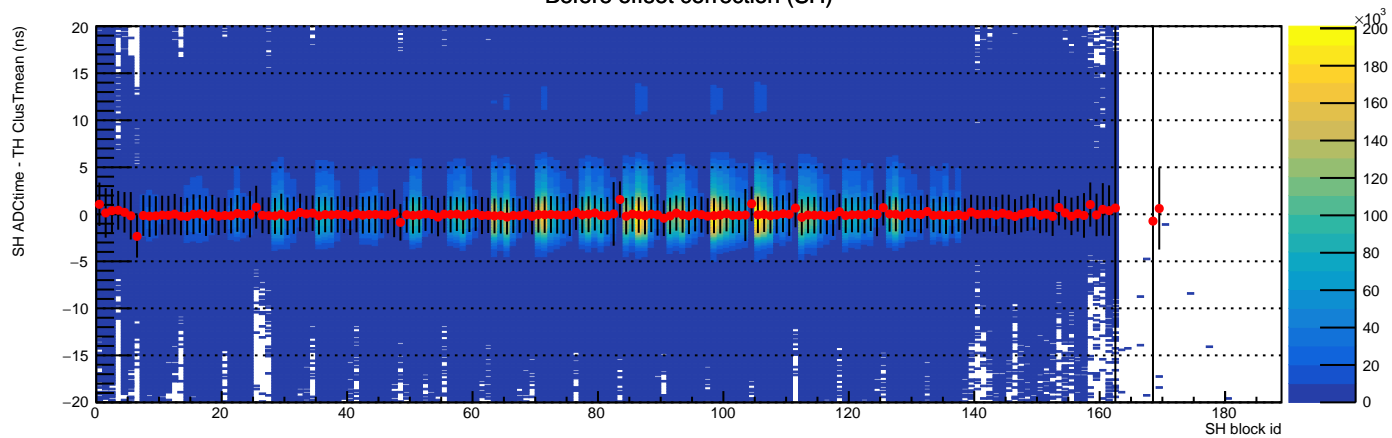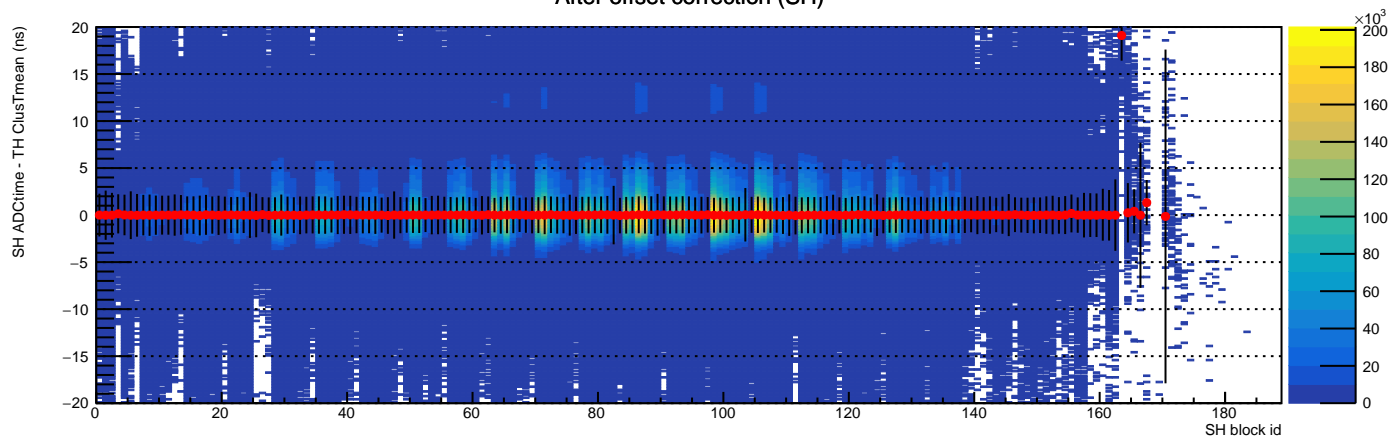Before offset correction (SH)

After offset correction (SH)

Before offset correction (PS)
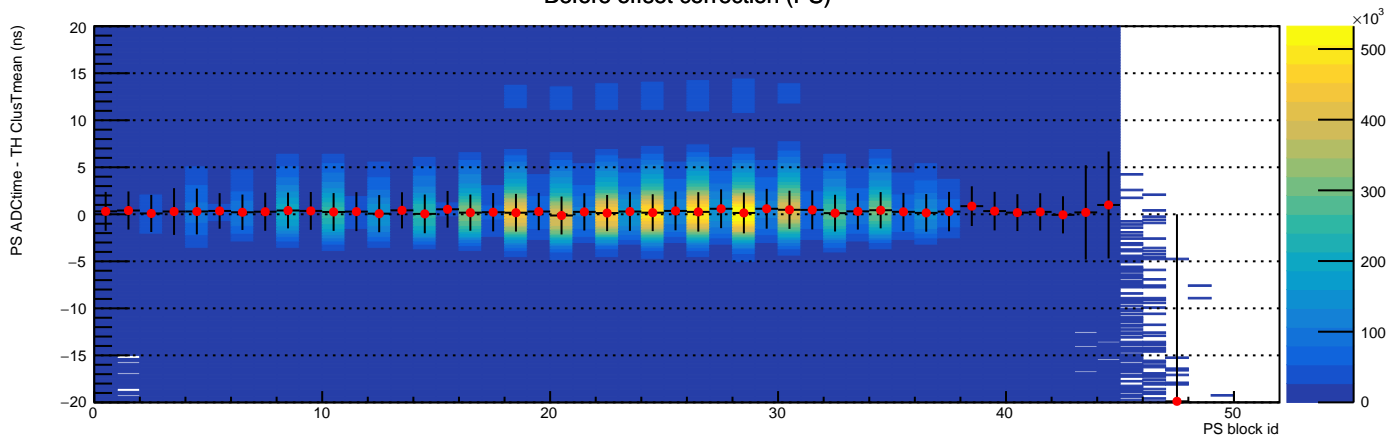
After offset correction (PS)
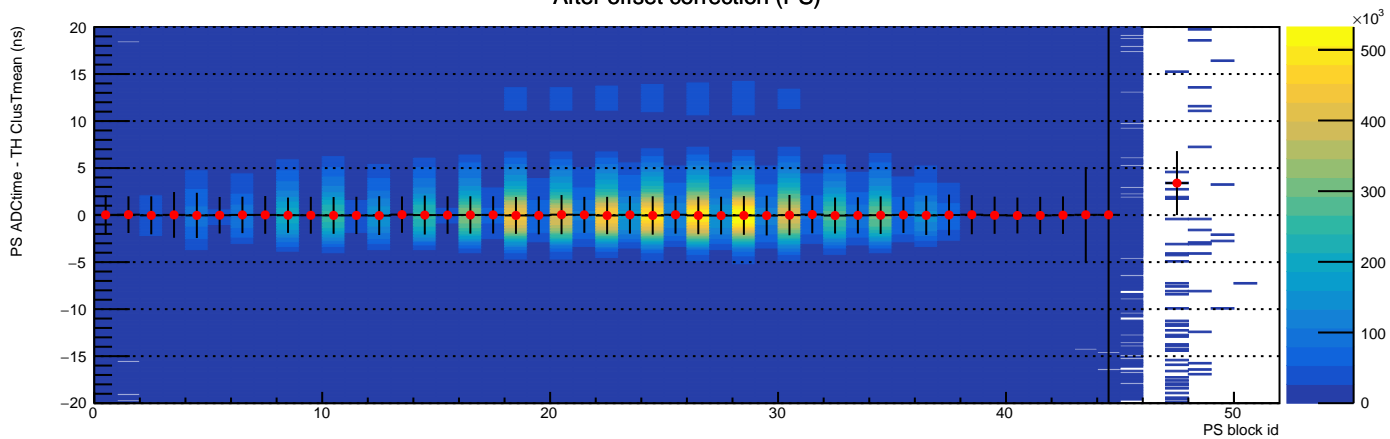
PS ADCtime - TH ClusTmean (ns) | Before corr. (top left)
PS ADCtime - TH ClusTmean (ns) | After corr. (top right)
SH ADCtime - TH ClusTmean (ns) | Before corr. (bottom left)
SH ADCtime - TH ClusTmean (ns) | After corr. (bottom right)
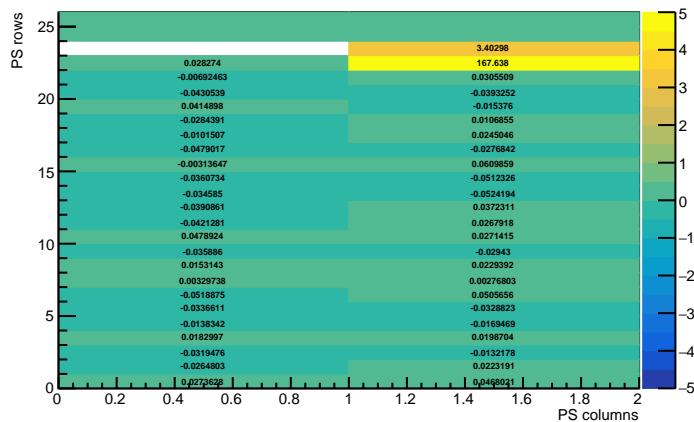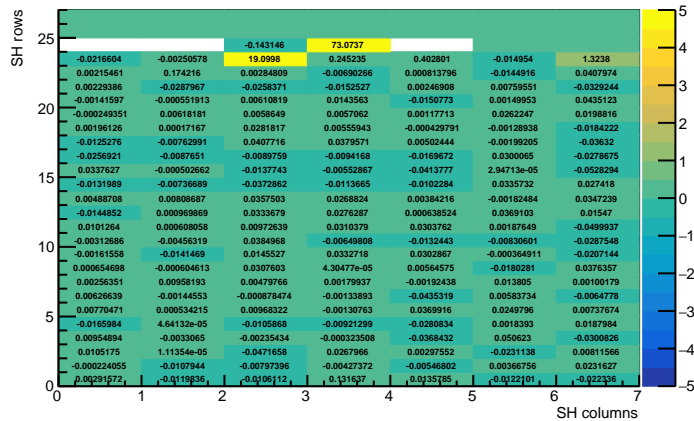
Date of creation: 6/30/2023

Configfile: BBCal_replay/macros/Combined_macros/setup_bbcal_atime_offset.cfg

sbs configuration: 8, Preparing for replay pass: 2

Total # events analyzed: 291738484

Global cuts:

g.trigbits==1, bb.gem.track.nhits>2, abs(bb.tr.vz[0])<0.08,

bb.ps.e>0.2, abs(bb.tr.r_x-0.9*bb.tr.r_th)<0.4,

 # events passed global cuts: 257789950

Macro processing time: CPU 7898.1s | Real 11655.5s

	Time Offset | PS1-1			Time Offset | PS1-2	
	h_R0_C0_Blk_0			h_R0_C1_Blk_1	
	Entries	40298		Entries	26052
	Mean	1.363		Mean	0.9413
	Std Dev	7.432		Std Dev	6.187

	Time Offset | PS2-1			Time Offset | PS2-2	
	h_R1_C0_Blk_7			h_R1_C1_Blk_8	
	Entries	1649658		Entries	510792
	Mean	1.426		Mean	1.477
	Std Dev	4.627		Std Dev	4.963

	Time Offset | PS3-1			Time Offset | PS3-2	
	h_R2_C0_Blk_14			h_R2_C1_Blk_15	
	Entries	3846314		Entries	1191770
	Mean	1.722		Mean	1.704
	Std Dev	4.825		Std Dev	4.687

	Time Offset | PS4-1			Time Offset | PS4-2	
	h_R3_C0_Blk_21			h_R3_C1_Blk_22	
	Entries	3483774		Entries	545648
	Mean	1.689		Mean	1.773
	Std Dev	4.79		Std Dev	5.049

	Time Offset | PS5-1			Time Offset | PS5-2	
	h_R4_C0_Blk_28			h_R4_C1_Blk_29	
	Entries	7683152		Entries	870563
	Mean	1.897		Mean	1.828
	Std Dev	4.698		Std Dev	4.704

	Time Offset | PS6-1			Time Offset | PS6-2	
	h_R5_C0_Blk_35			h_R5_C1_Blk_36	
	Entries	9428541		Entries	1382356
	Mean	1.752		Mean	1.831
	Std Dev	4.735		Std Dev	4.725

Time Offset | PS8-1

h_R7_C0_Blk_49	
Entries	8997348
Mean	1.637
Std Dev	5.03

Time Offset | PS8-2

h_R7_C1_Blk_50	
Entries	1105366
Mean	2.094
Std Dev	5.045

Time Offset | PS9-1

h_R8_C0_Blk_56	
Entries	1.188277e+07
Mean	1.791
Std Dev	4.982

Time Offset | PS9-2

h_R8_C1_Blk_57	
Entries	2151584
Mean	1.78
Std Dev	4.912

Time Offset | PS10-1

h_R9_C0_Blk_63	
Entries	1.668293e+07
Mean	1.644
Std Dev	4.855

Time Offset | PS10-2

h_R9_C1_Blk_64	
Entries	2818785
Mean	1.964
Std Dev	5

Time Offset | PS11-1

h_R10_C0_Blk_70	
Entries	1.576023e+07
Mean	1.808
Std Dev	5.954

Time Offset | PS11-2

h_R10_C1_Blk_71	
Entries	4320556
Mean	1.994
Std Dev	5.199

Time Offset | PS12-1

h_R11_C0_Blk_77	
Entries	1.723773e+07
Mean	1.699
Std Dev	5.043

Time Offset | PS12-2

h_R11_C1_Blk_78	
Entries	6136134
Mean	1.872
Std Dev	4.892

Time Offset | PS13-1

h_R12_C0_Blk_84	
Entries	1.881957e+07
Mean	1.718
Std Dev	5.128

Time Offset | PS13-2

h_R12_C1_Blk_85	
Entries	4888659
Mean	1.941
Std Dev	5.018

Time Offset | PS15-1

h_R14_C0_Blk_98	
Entries	2.0525e+07
Mean	1.631
Std Dev	5.067

Time Offset | PS15-2

h_R14_C1_Blk_99	
Entries	4672328
Mean	2.231
Std Dev	5.057

Time Offset | PS16-1

h_R15_C0_Blk_105	
Entries	1.666453e+07
Mean	2.203
Std Dev	5.356

Time Offset | PS16-2

h_R15_C1_Blk_106	
Entries	3244713
Mean	2.255
Std Dev	5.195

Time Offset | PS17-1

h_R16_C0_Blk_112	
Entries	1.061507e+07
Mean	1.738
Std Dev	5.196

Time Offset | PS17-2

h_R16_C1_Blk_113	
Entries	3610259
Mean	1.892
Std Dev	4.855

Time Offset | PS18-1

h_R17_C0_Blk_119	
Entries	1.149084e+07
Mean	2.17
Std Dev	5.116

Time Offset | PS18-2

h_R17_C1_Blk_120	
Entries	3069823
Mean	1.728
Std Dev	4.864

Time Offset | PS19-1

h_R18_C0_Blk_126	
Entries	5045492
Mean	1.581
Std Dev	4.505

Time Offset | PS19-2

h_R18_C1_Blk_127	
Entries	2489767
Mean	1.866
Std Dev	4.598

Time Offset | PS20-1

h_R19_C0_Blk_133	
Entries	324526
Mean	2.399
Std Dev	4.751

Time Offset | PS20-2

h_R19_C1_Blk_134	
Entries	873997
Mean	1.845
Std Dev	4.654