

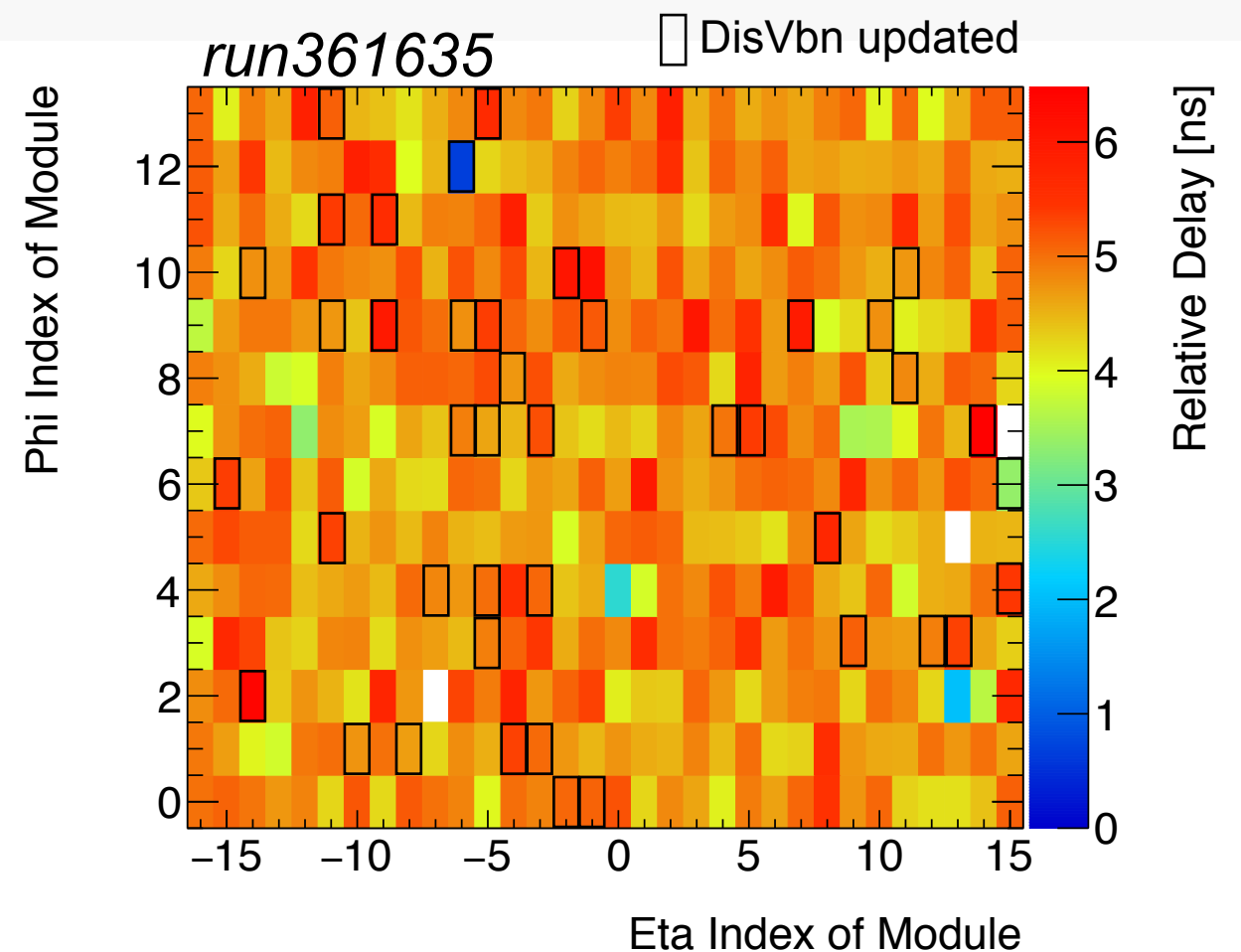
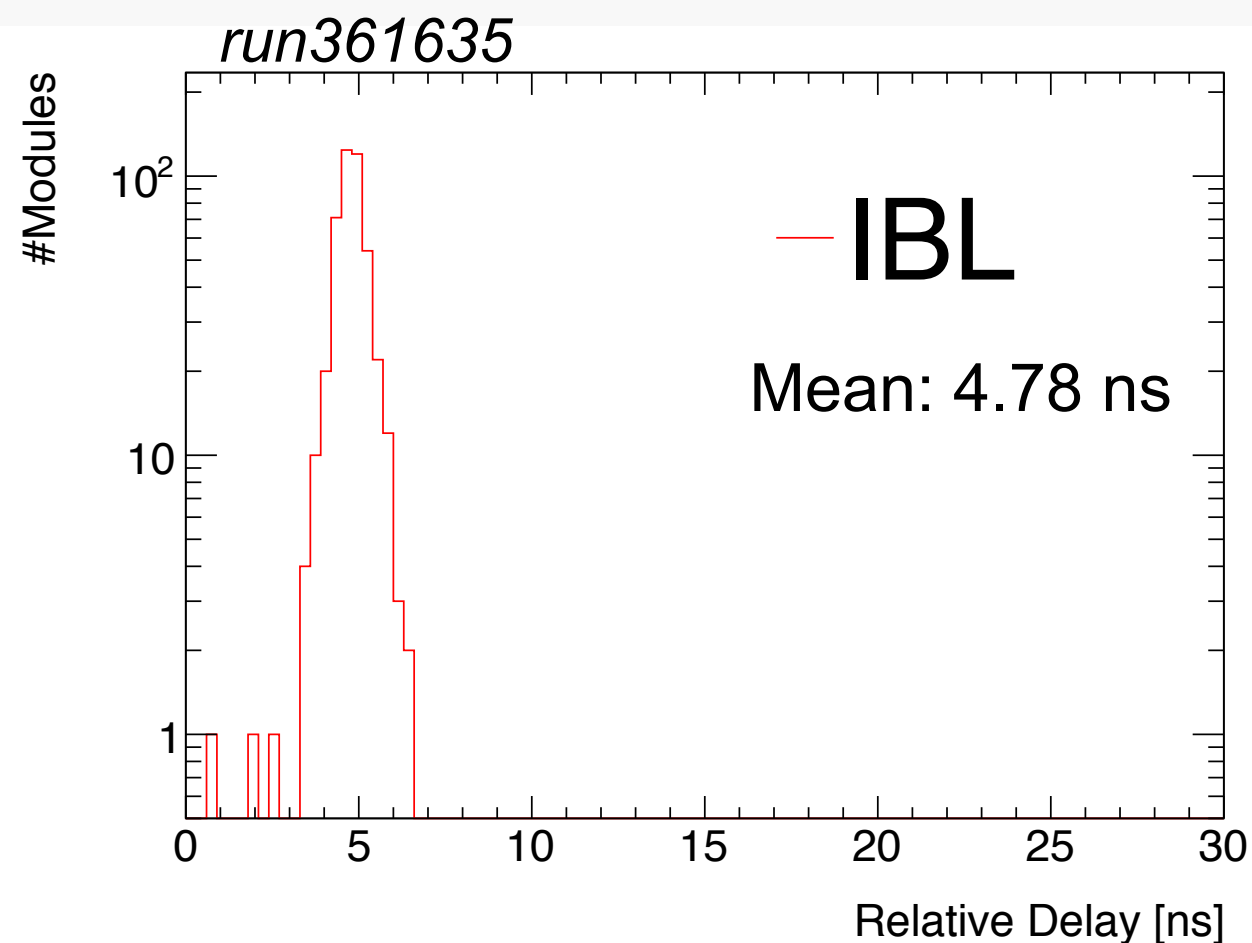
Timing scan configuration

- Run: 361635
- Scan range: [-5, 10] ns
- Scan step: 1 ns / 2 LB (only use 1 LB for each scan point)
 - ➔ except for [-2, 6] ns : 0.5 ns / 2 LB
- Trigger stream: calibration_VdM
 - ➔ HLT: HLT_lumipecb_vdm_L1RD0_BGRP10
 - ➔ L1: L1_RD0_BGRP10
 - ▶ low stat for Pix layers & endcaps...

IBL

Overall status (IBL)

- Bad timing FEs which has $\sim 3\text{ns}$ offset are disappeared!
➔ except for 3 FEs?

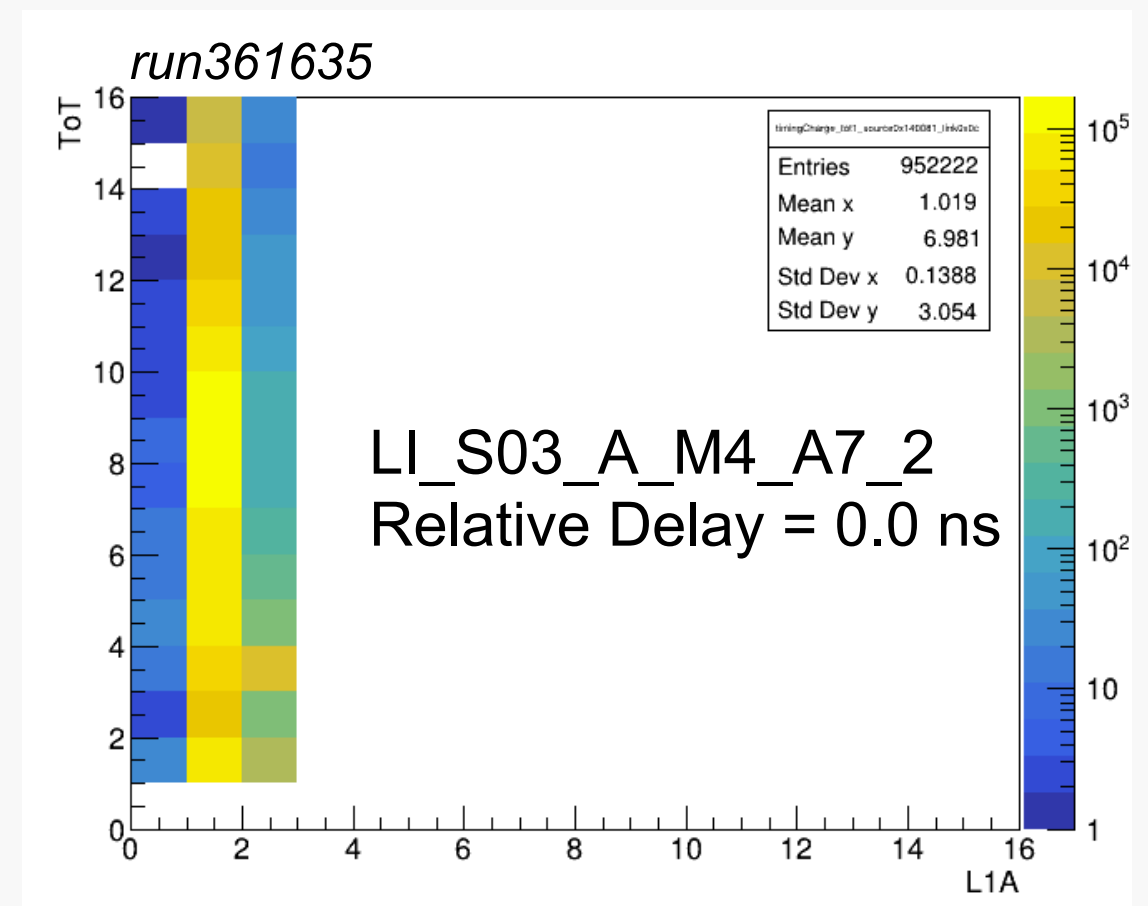
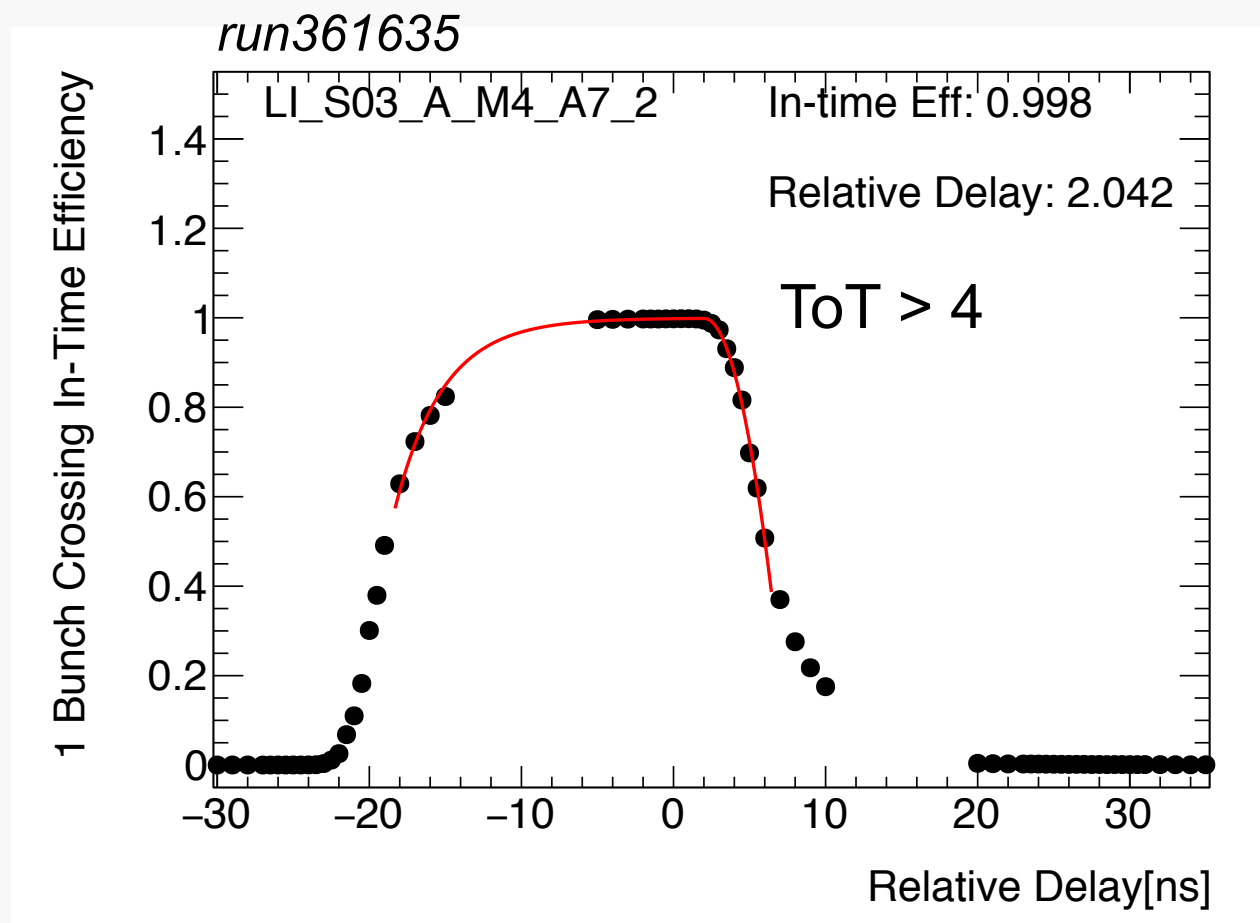


3 modules whose timing is
out of others'

LI_S03_A_M4_A7_2
LI_S05_A_M1_A1_1
LI_S13_C_M2_C3_2

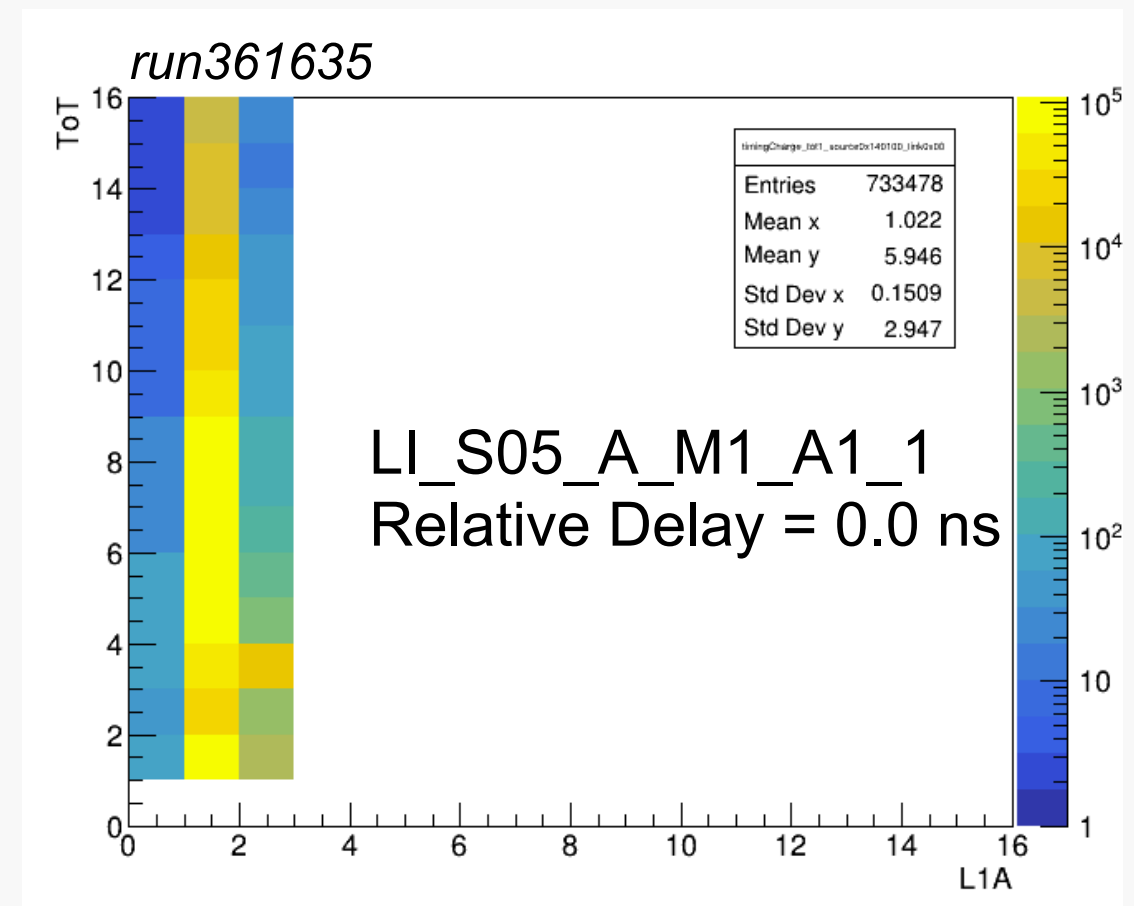
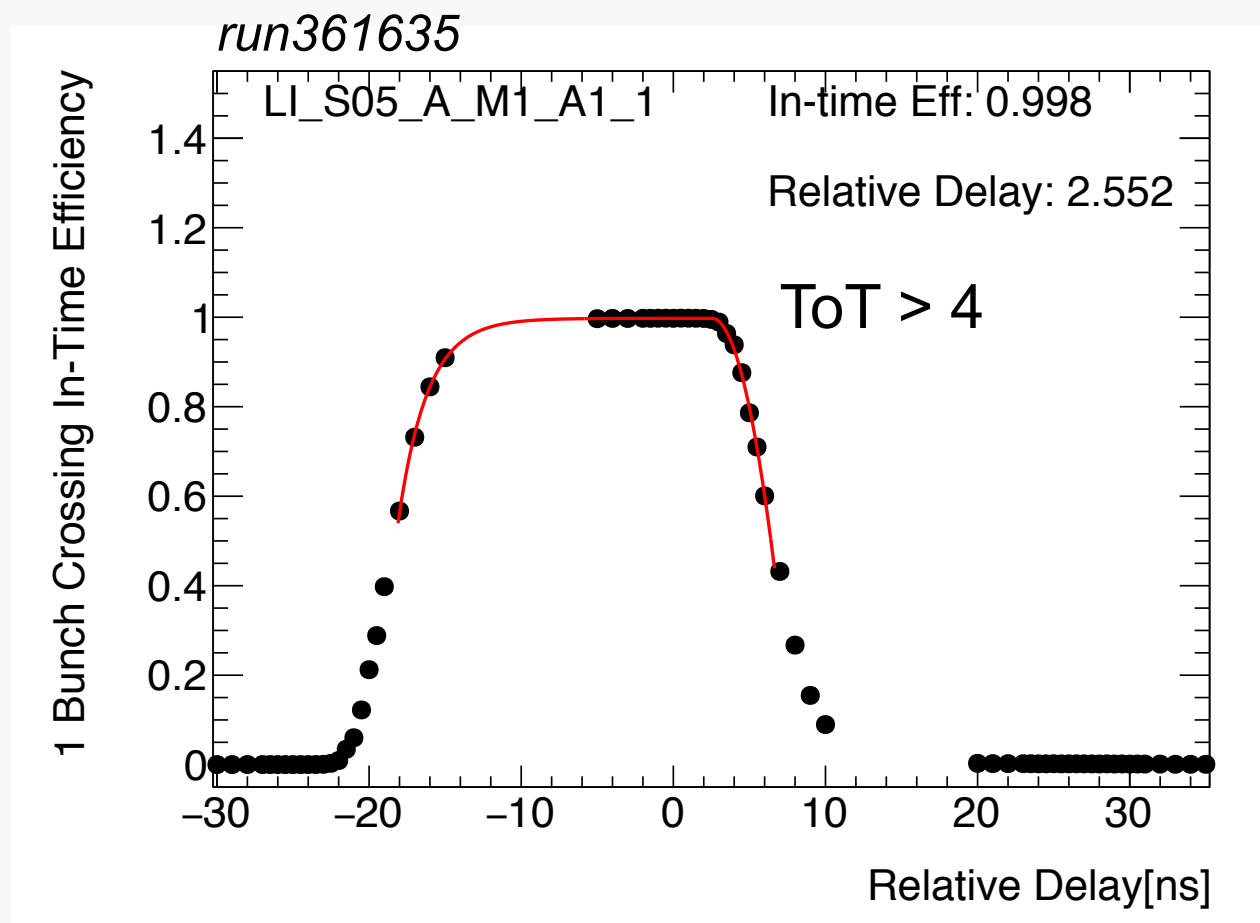
LI_S03_A_M4_A7_2

- No issues found in timing plots
 - ➔ need to check DisVbn value via readback again?



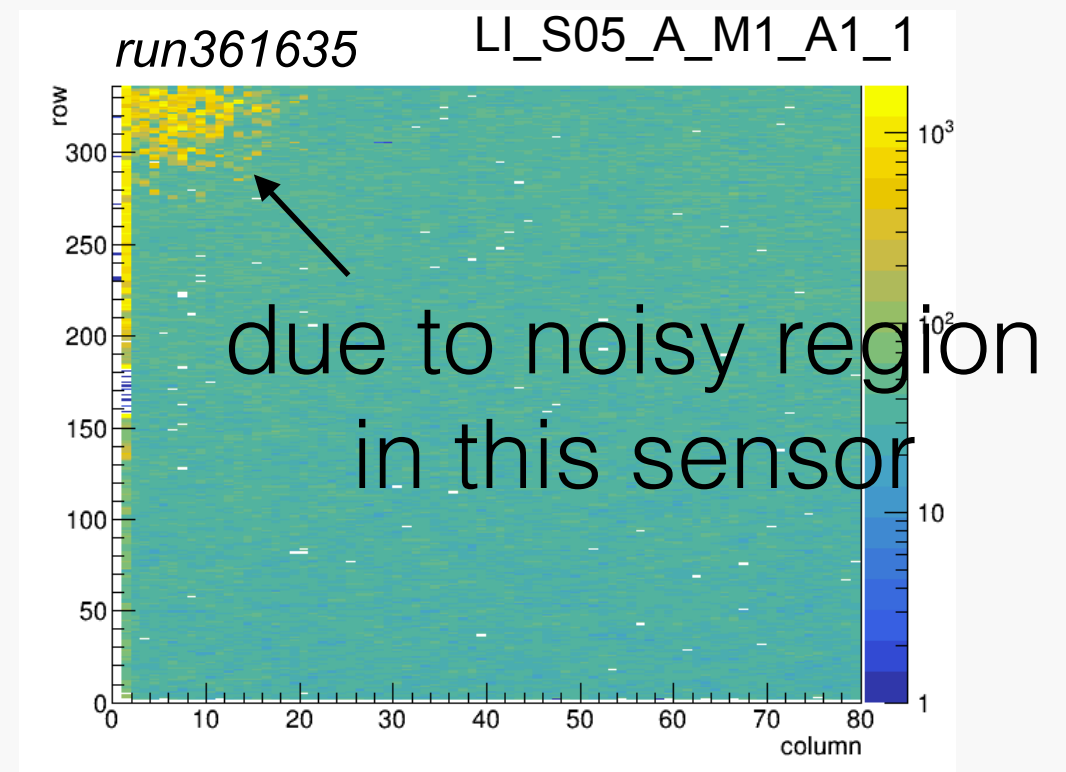
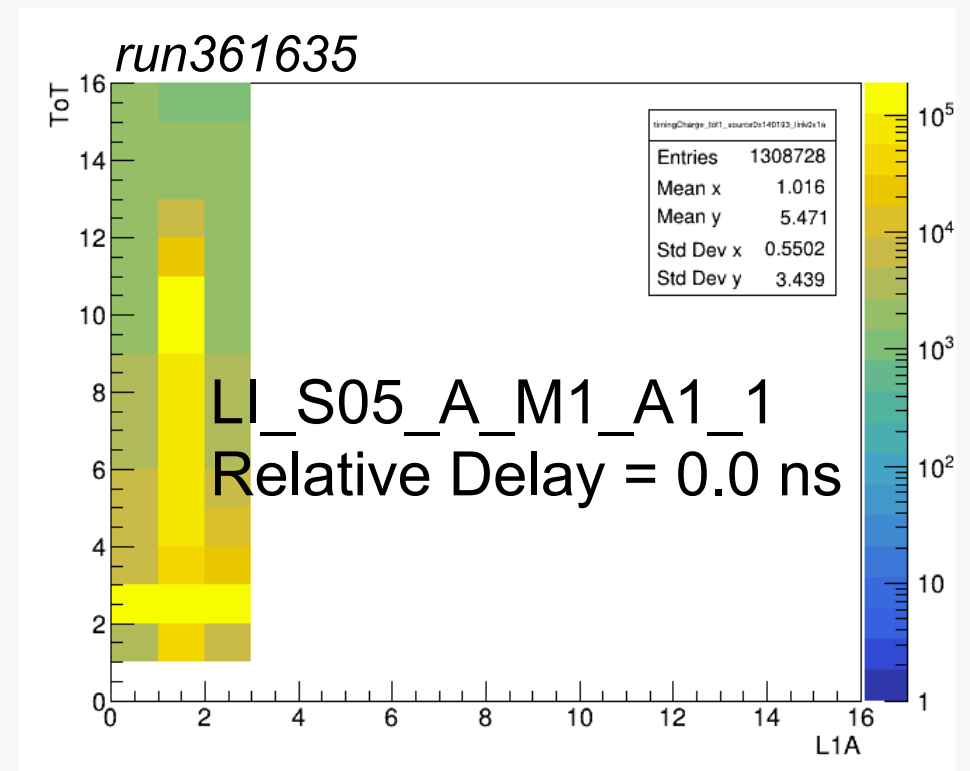
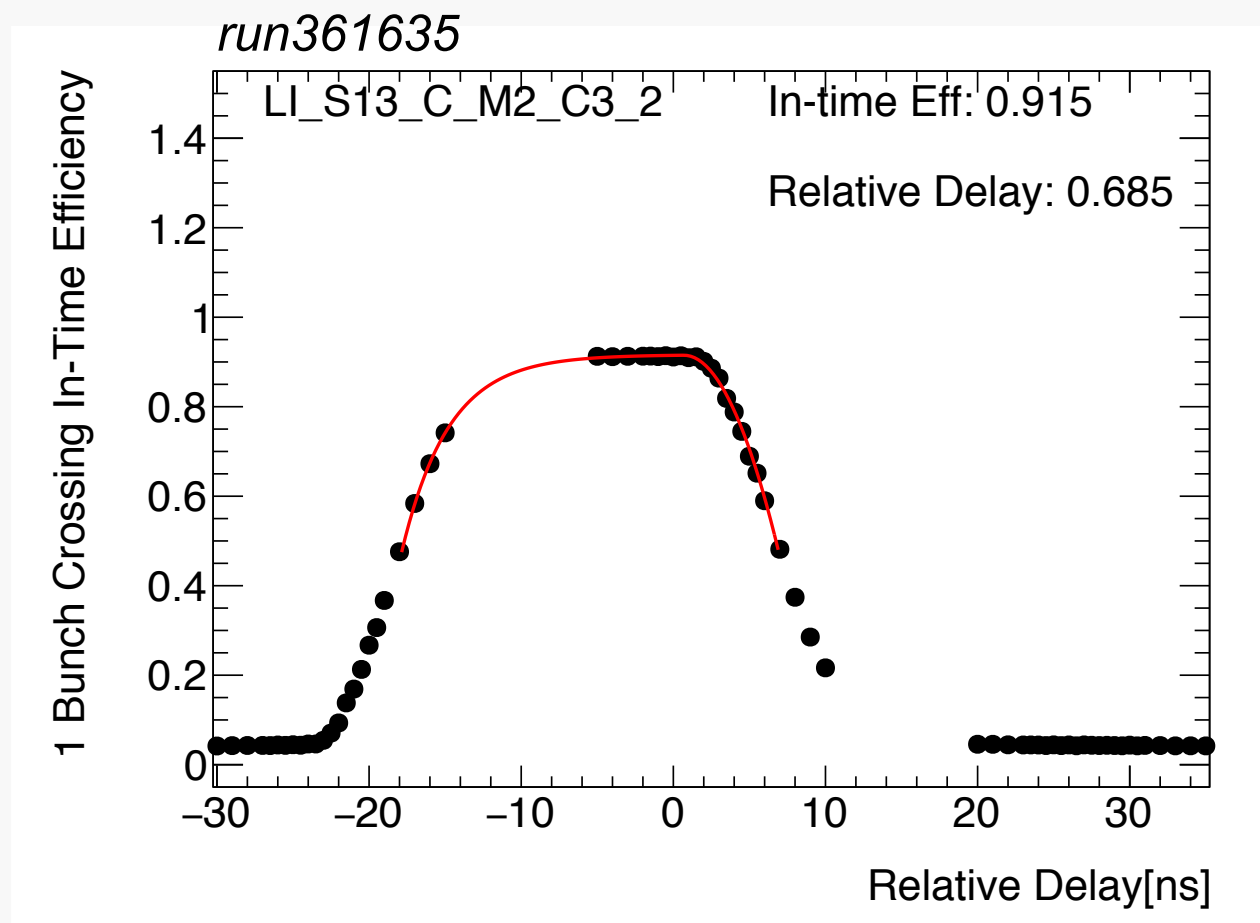
LI_S05_A_M1_A1_1

- No issues found in timing plots
 - ➔ need to check DisVbn value via readback again?



LI_S13_C_M2_C3_2

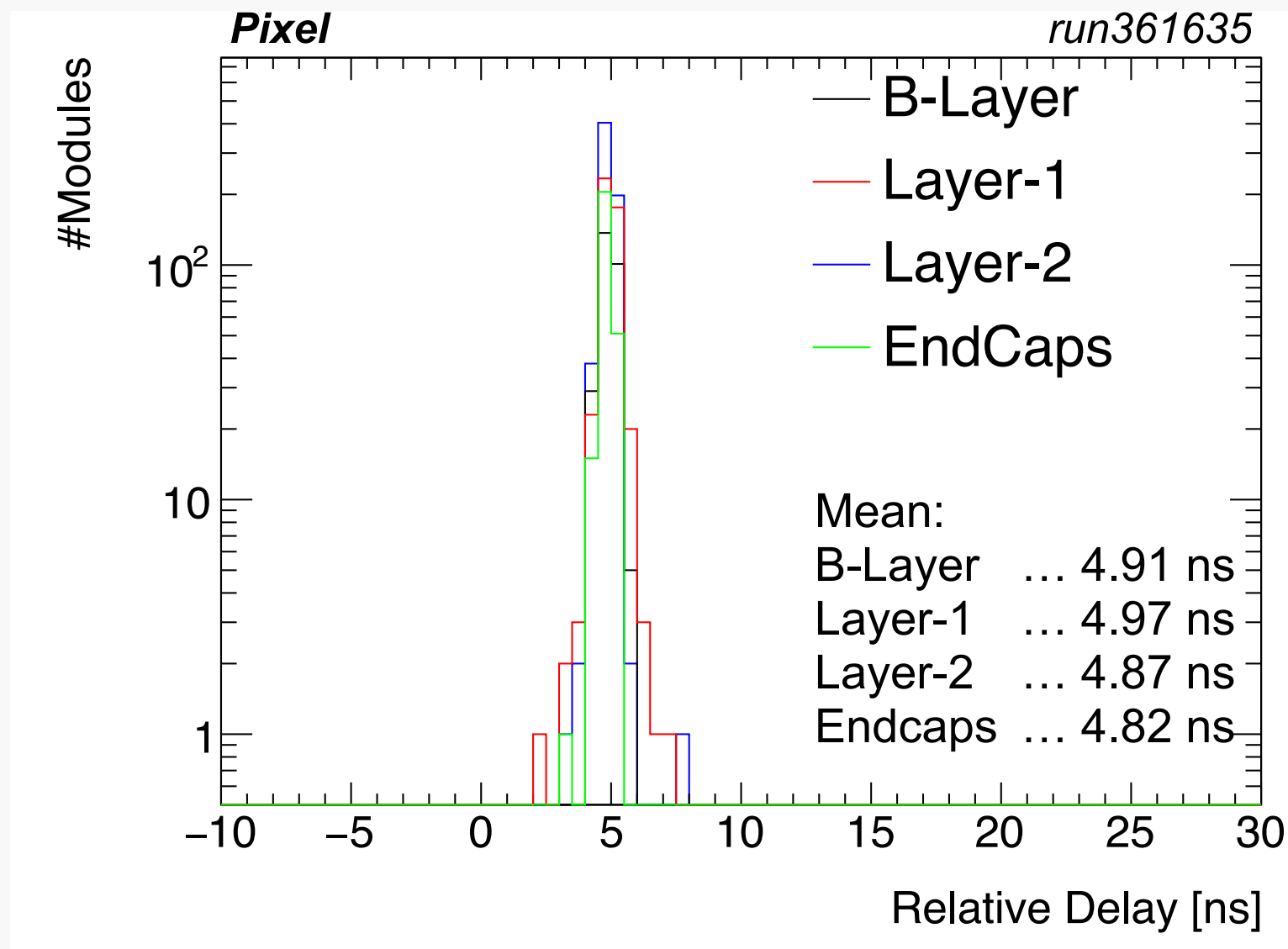
- strange shape due to noise
 - ➔ but timing itself could be worse



Pixel

Overall status (Pixel)

- Most of modules are on time (offset ~ 5 ns)
 - ➔ but uncertainty should be worse due to low stat.
 - ➔ no issue found in L2 (at a crate level)



Offset map

