LED Monitoring Update Calorimetry meeting Apr 16 2020

Varun Neelamana





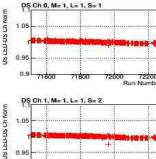
Normal Plots

Slight Slope

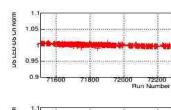
detected as a function of

Run number

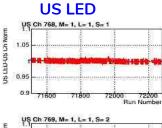
Y Axis 0.9 To

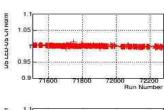


US LED

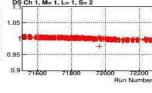


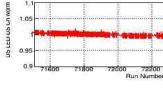
DS LED

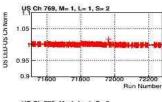


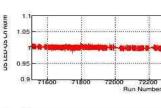


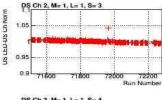
DS LED

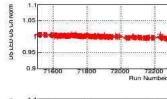


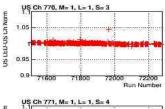


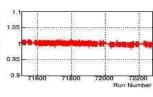


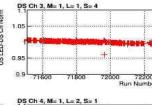


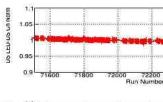


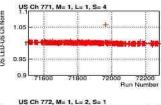


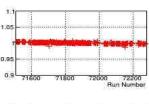


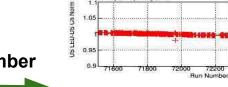


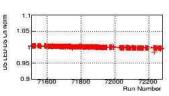


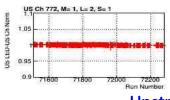


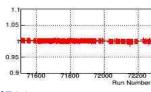










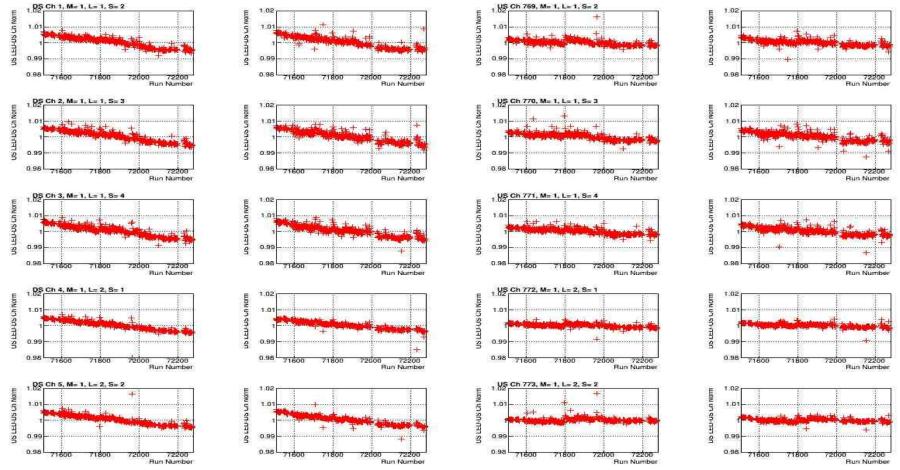


Run Number

Downstream SiPMs

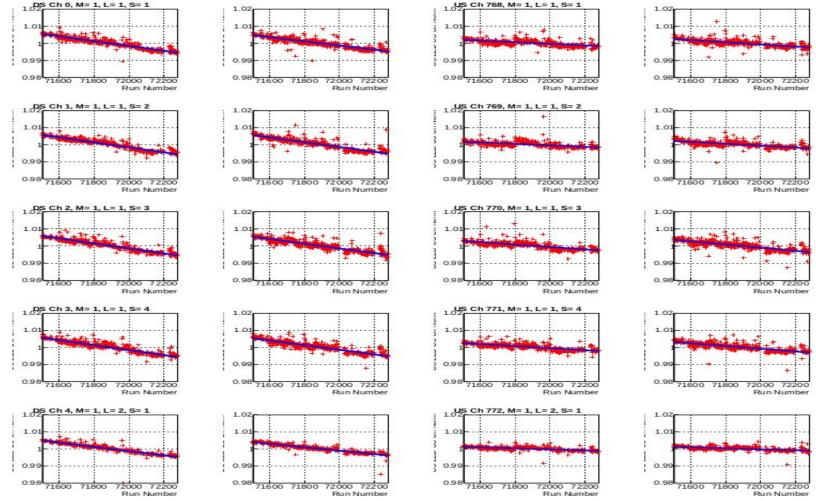
Upstream SiPMs

Zoomed plots (0.98 to 1.02) Slopes are different for DS and US SiPMs



Downstream SiPMs

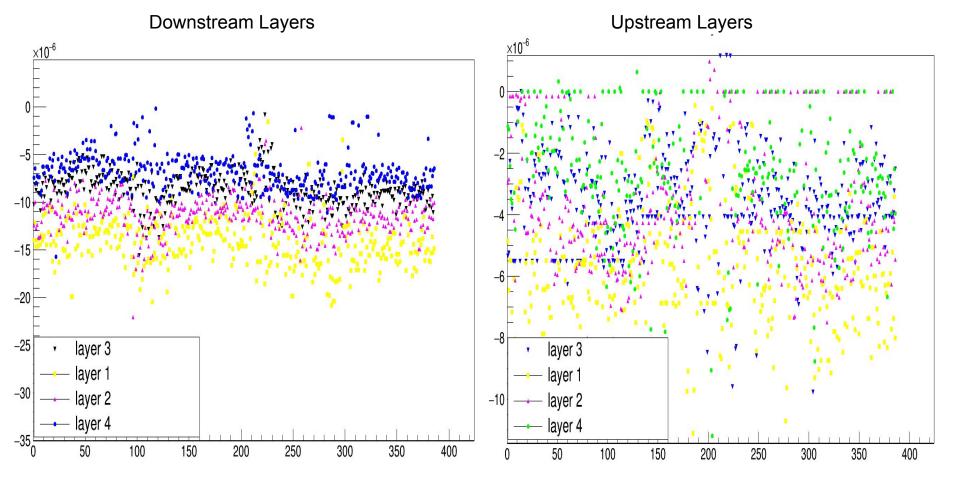
Upstream SiPMs



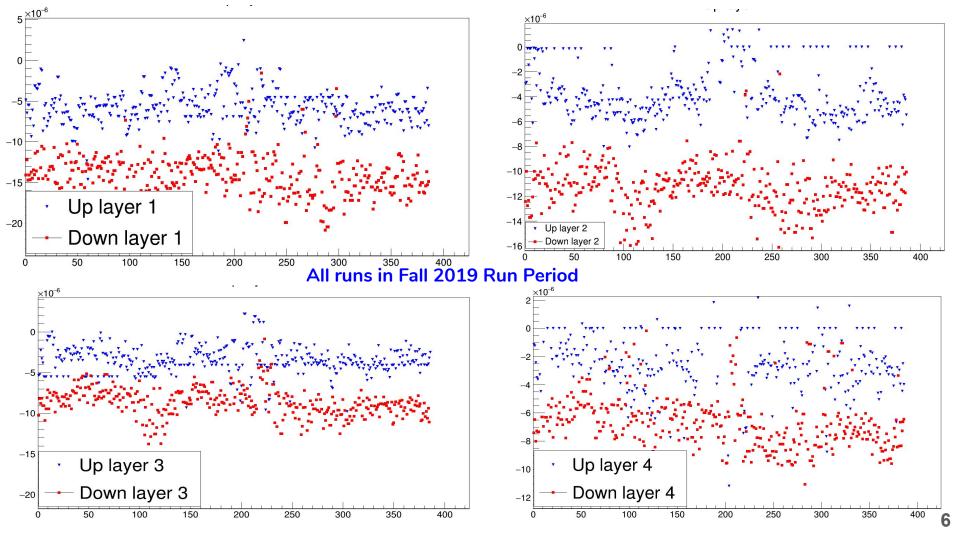
Downstream SiPMs

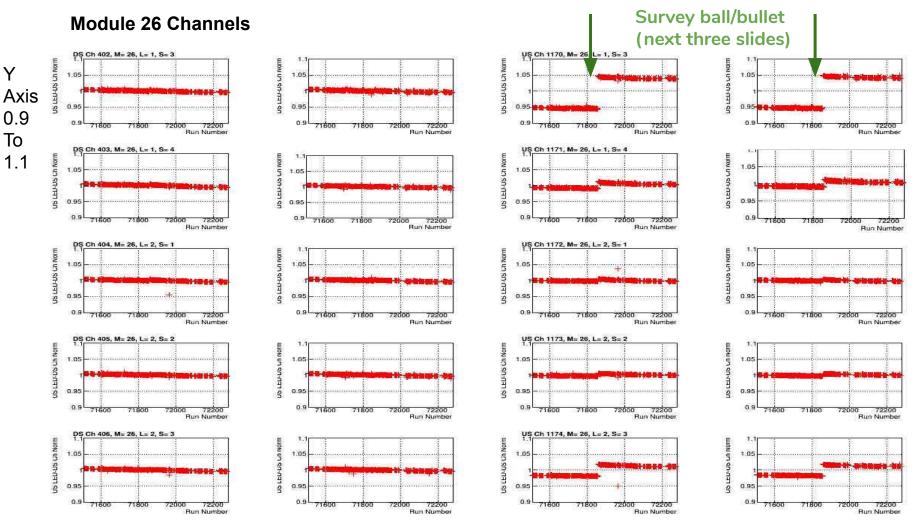
Fits to get the slope

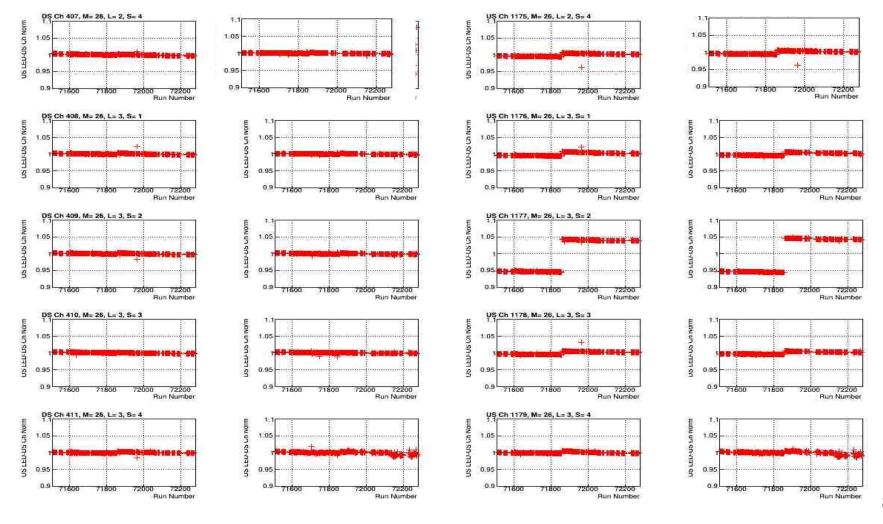
Upstream SiPMs

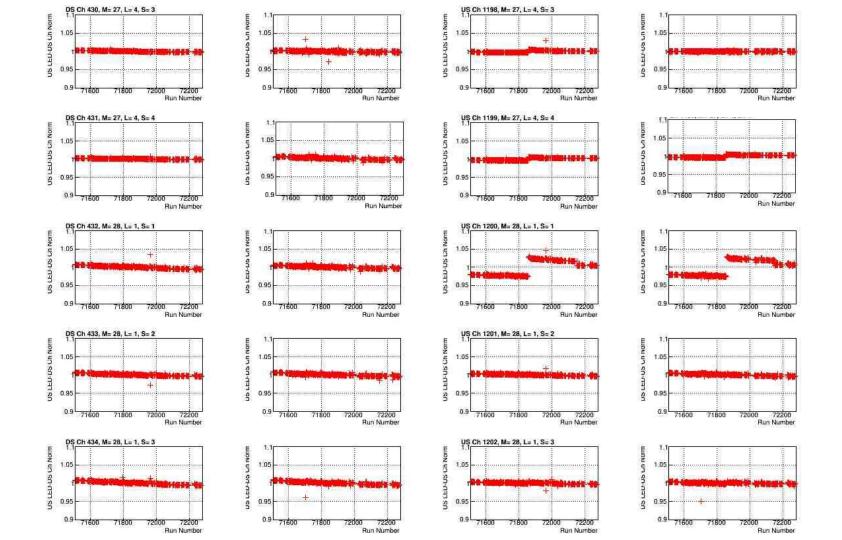


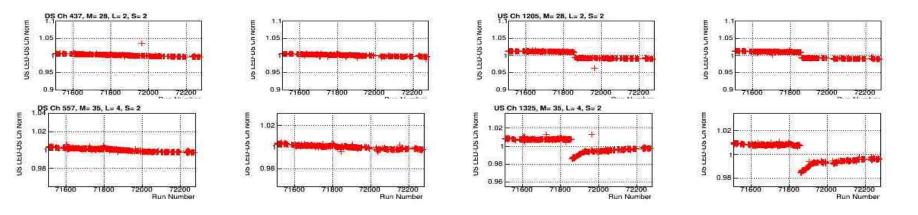
All runs in Fall 2019 Run Period



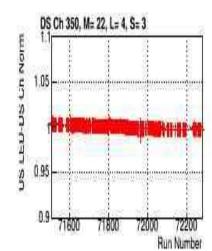


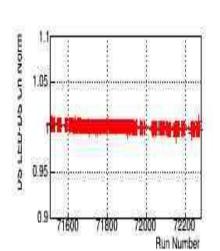


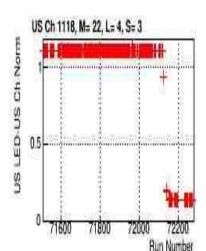


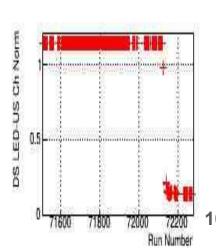


Ch 1118 Hot Channel (after Run No. 72120) Reported

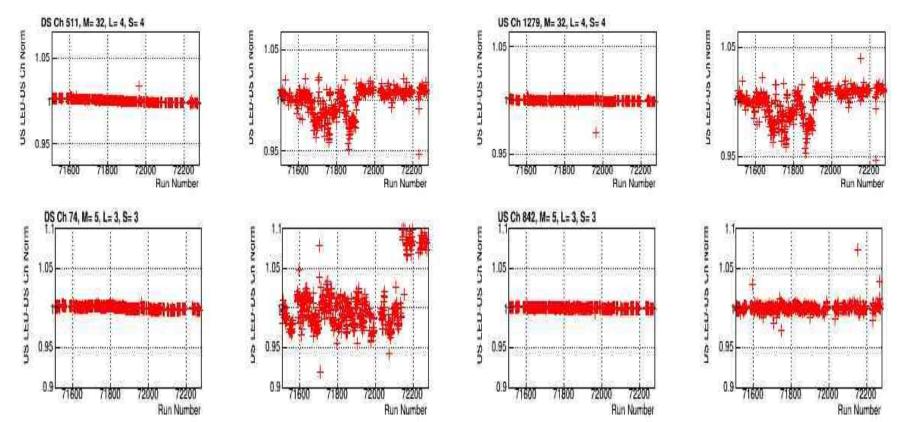


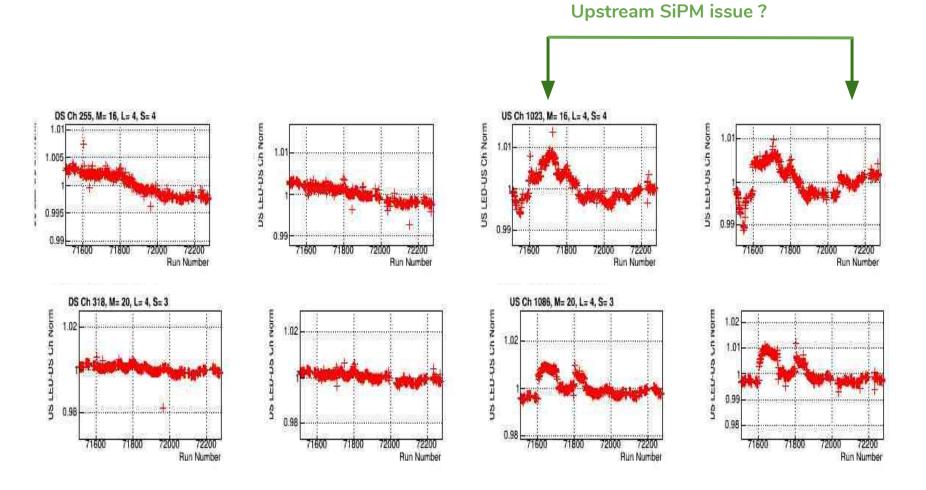






LED fluctuations?





Next Steps:

- Examined code with previous run period . Looks OK.
- Looking batches separately