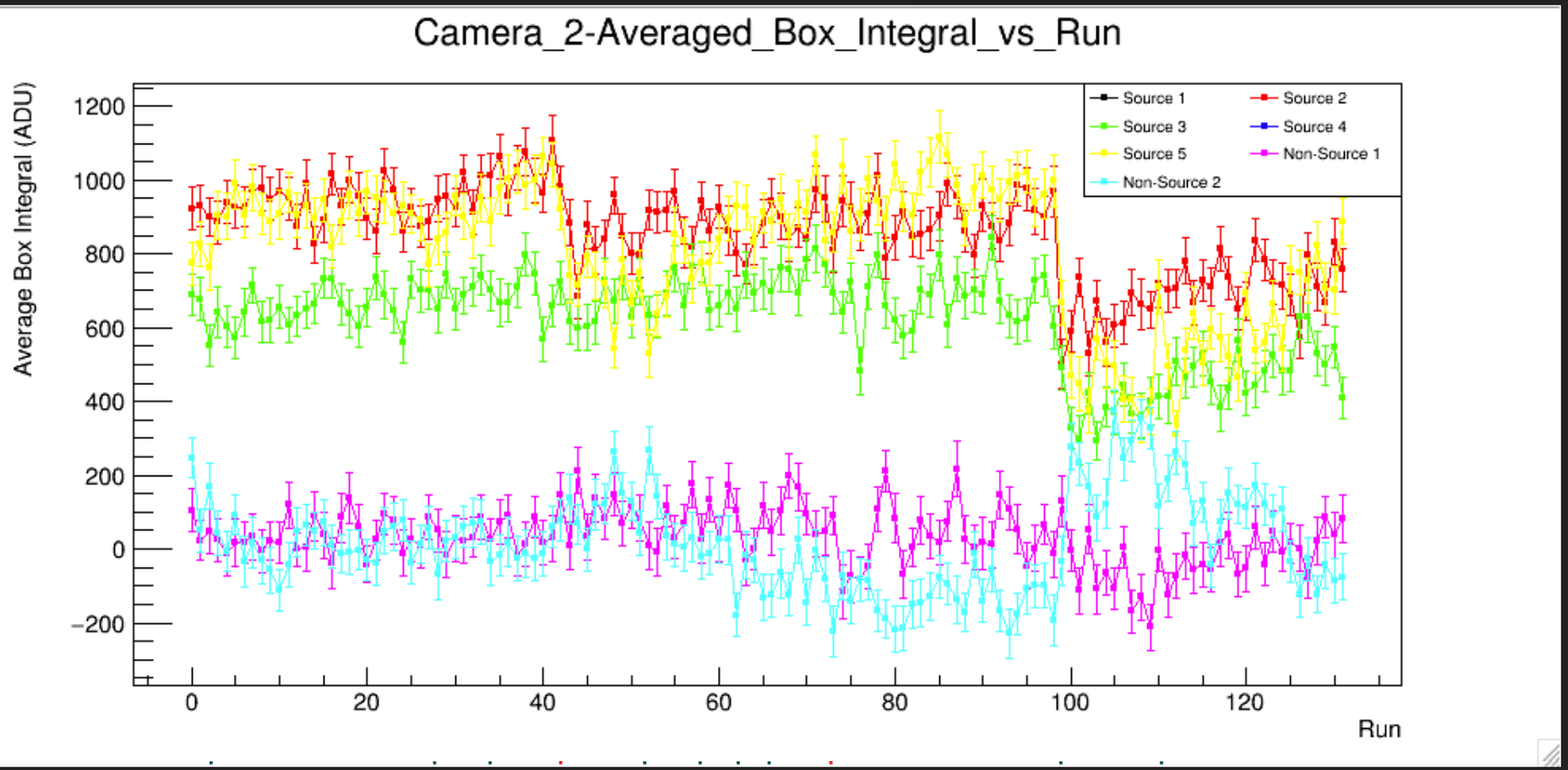
ZACHARY CHEN-WISHART 20/12/2019

LIGHT SUM SQUARE

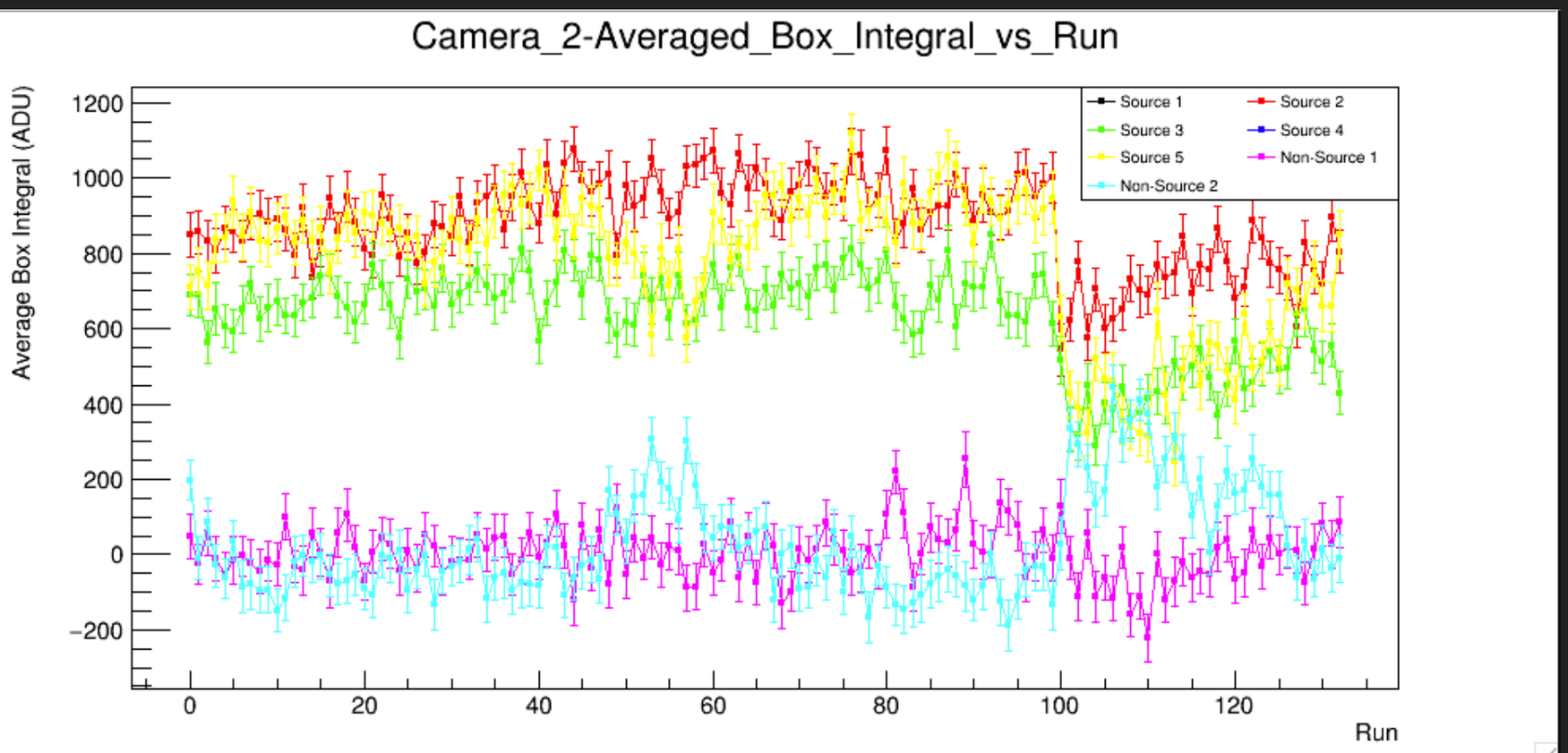
LIGHT SUM SQUARED

- I have been testing the per event row correction by comparing the 2018 Nov & Dec data set running with either:
  - three separate super bias frames (as per usual); or
  - one combined super bias frame
- The idea is that with per event row correction these should produce the approx the same result

COMPARISON



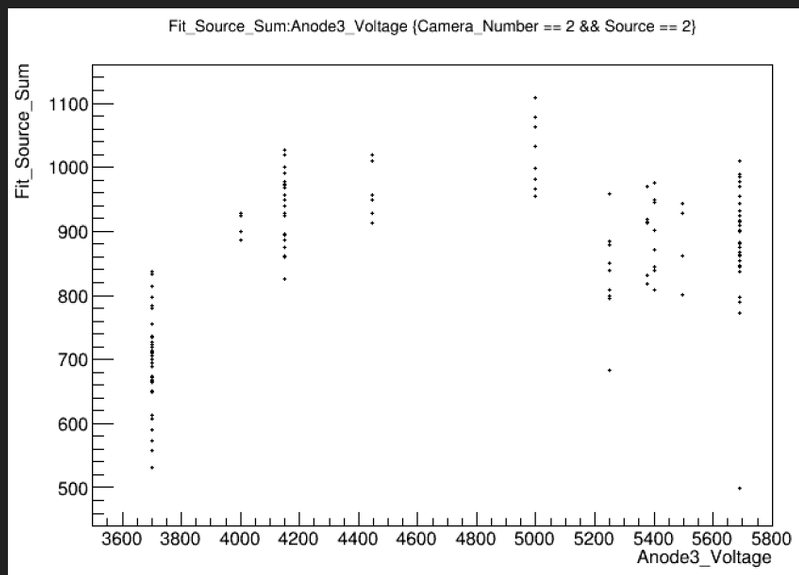
3 SUPER BIAS FRAMES



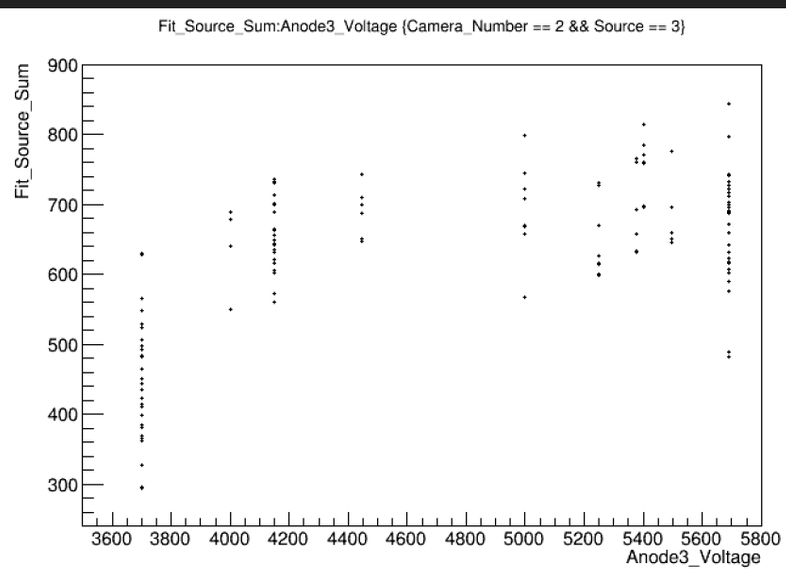
1 SUPER BIAS FRAME

GAIN VS ANODE 3 VOLTAGE

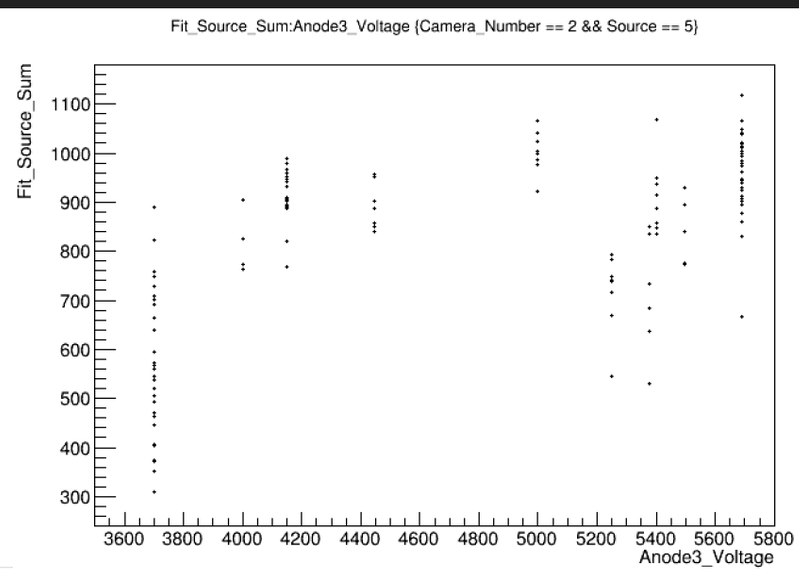
SOURCE 2



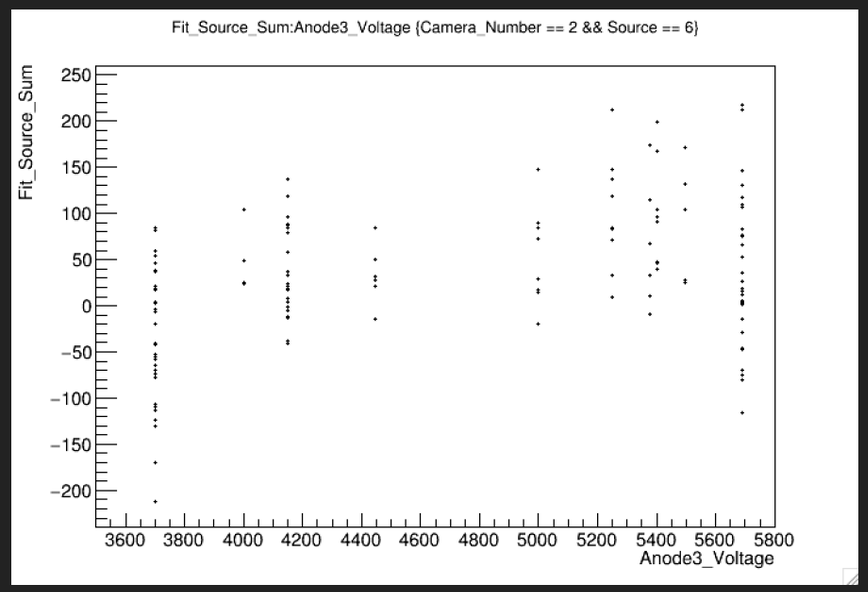
SOURCE 3



SOURCE 5



NON-SOURCE 1



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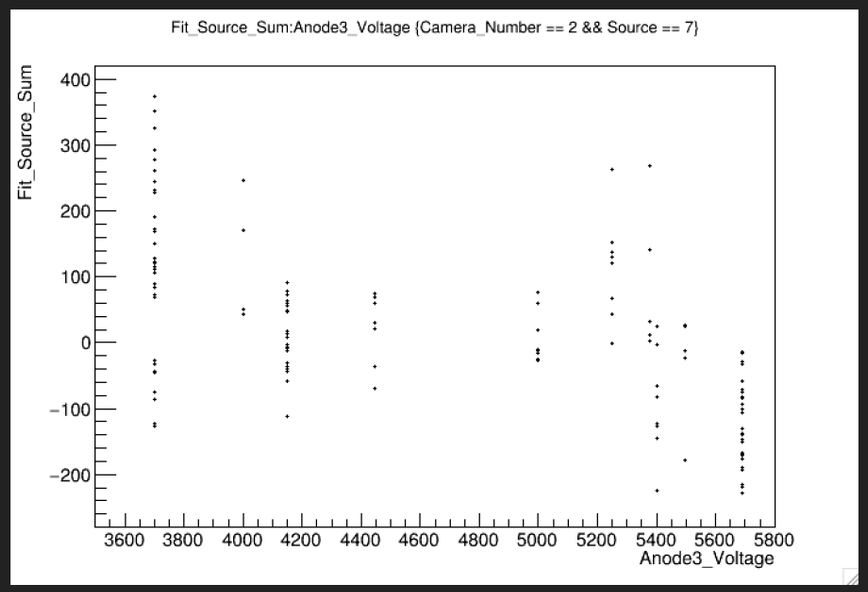
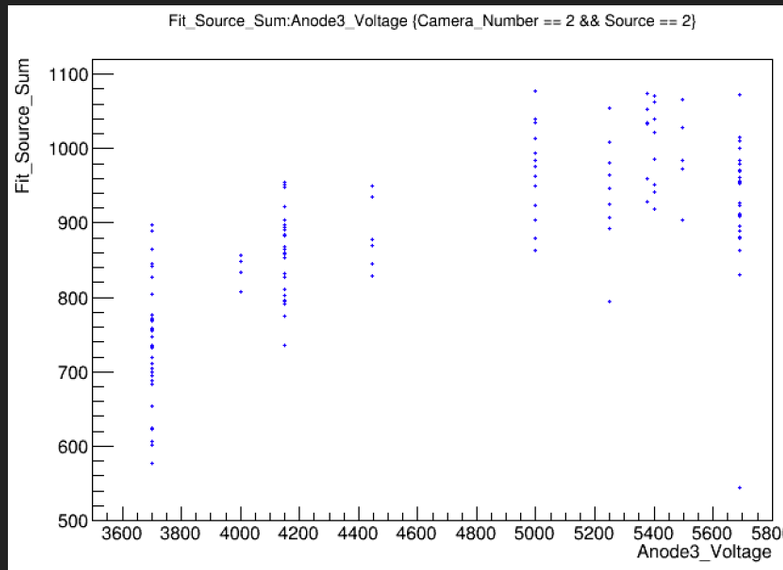
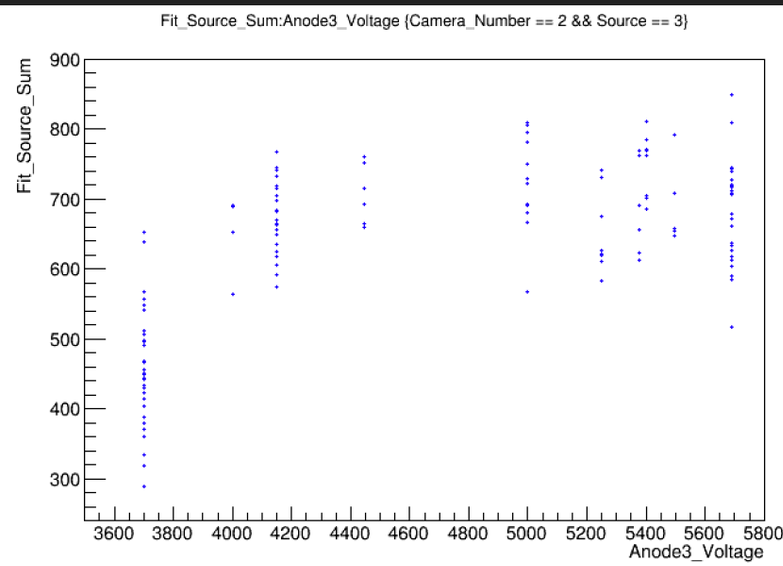


GAIN VS ANODE 3 VOLTAGE

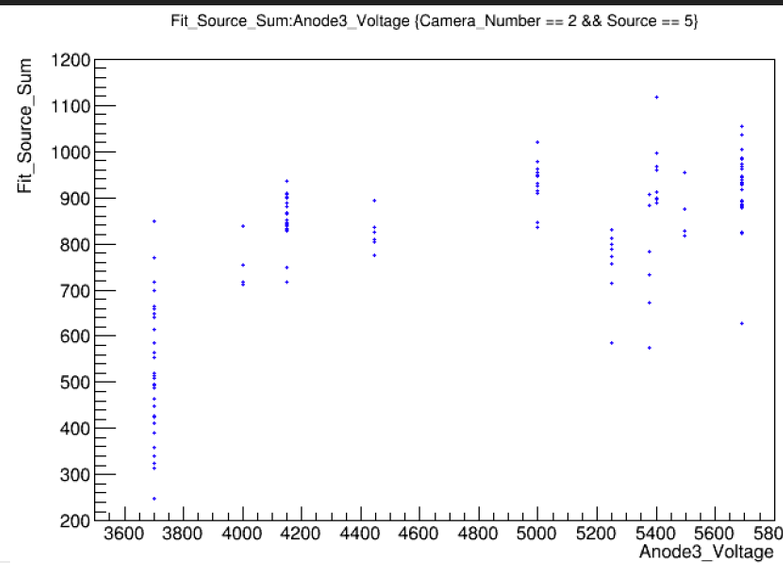
SOURCE 2



SOURCE 3



SOURCE 5



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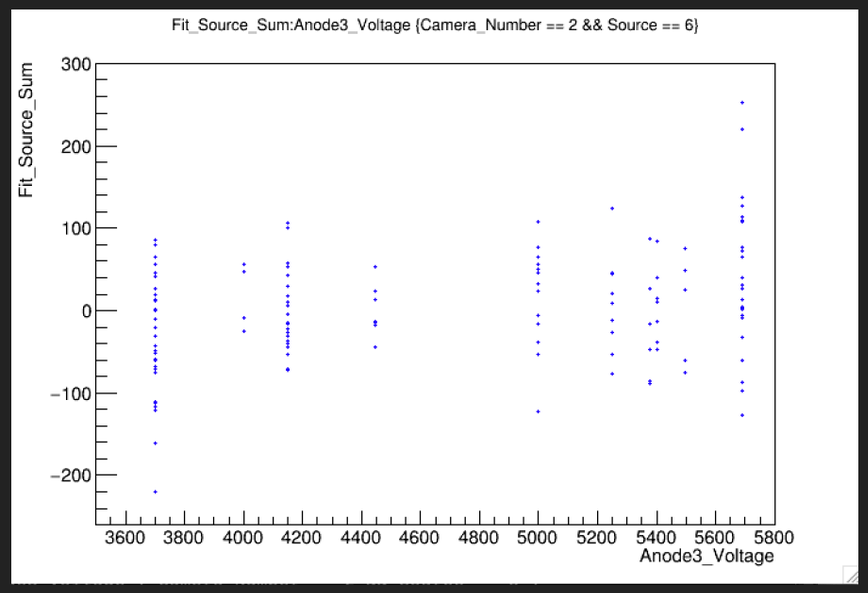
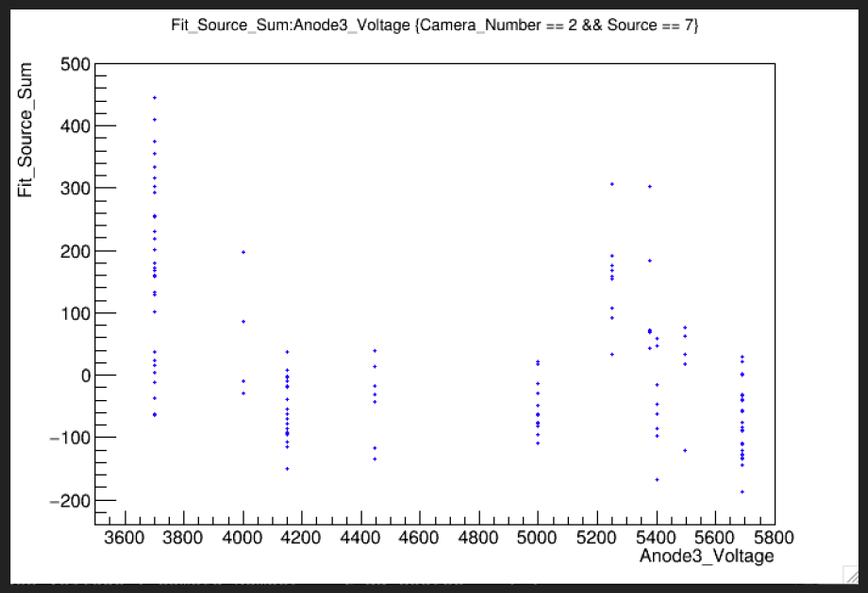


NON-SOURCE 2



CONCLUSIONS

- It seems that row corrections help but does not completely correct for differences in super bias frames
- I am most the way done in recreating the plot Abbey showed last week using the September CERN data using LSS
- I need to make alterations to my SumLSS script to produce single data points for similar runs