



PFS CCD Bias analysis

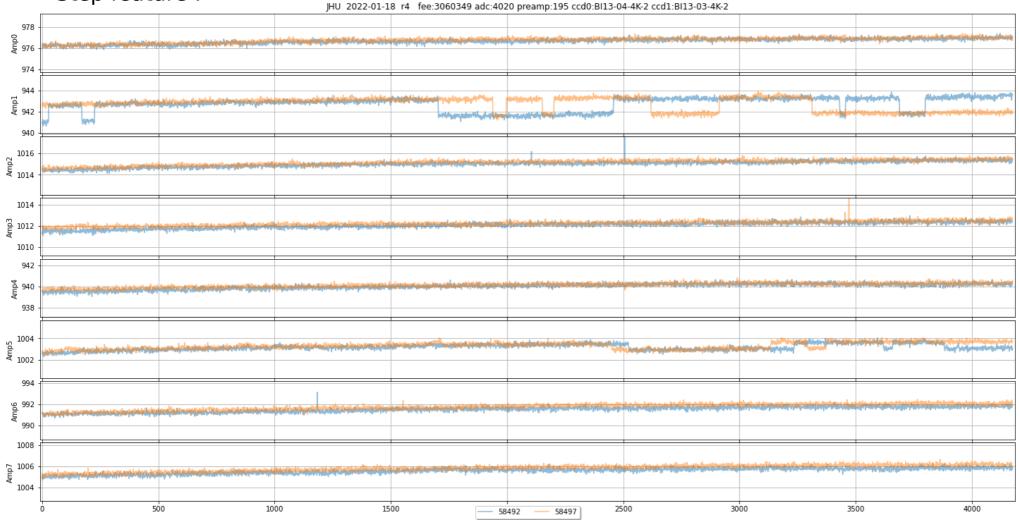
Arnaud Le Fur





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Step feature:



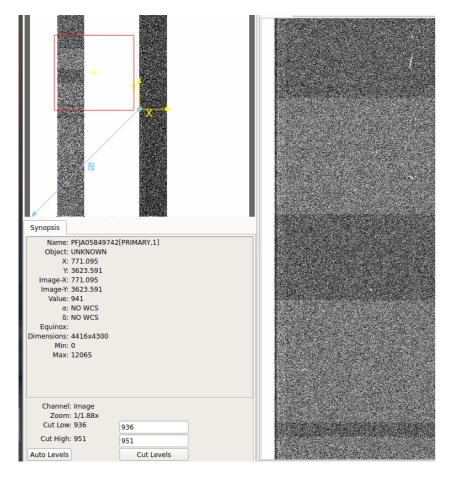
Mostly present in amp1(\sim 2 counts) and amp5 (\sim 0.8 counts)

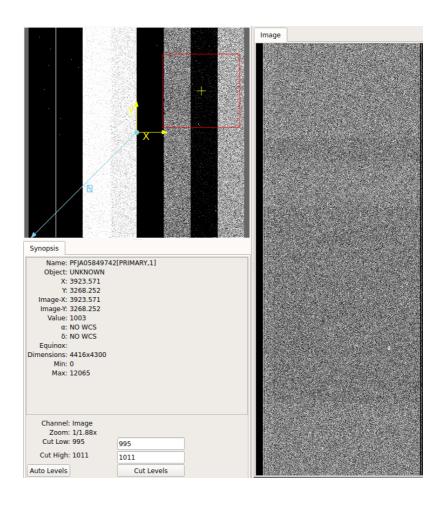




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Step feature :





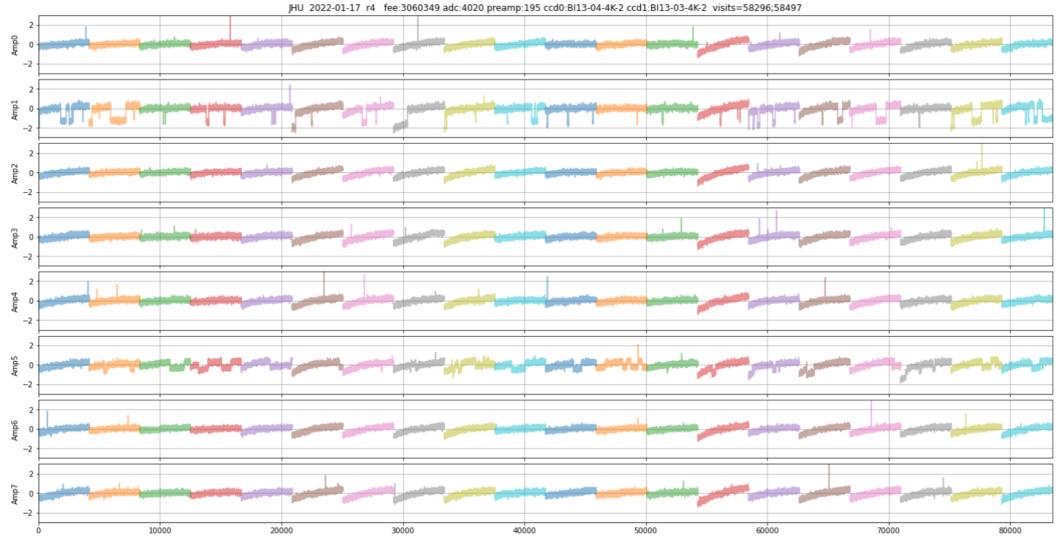
Definitely more distinguishable in amp1 (left), than amp 5(right)





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Step feature :



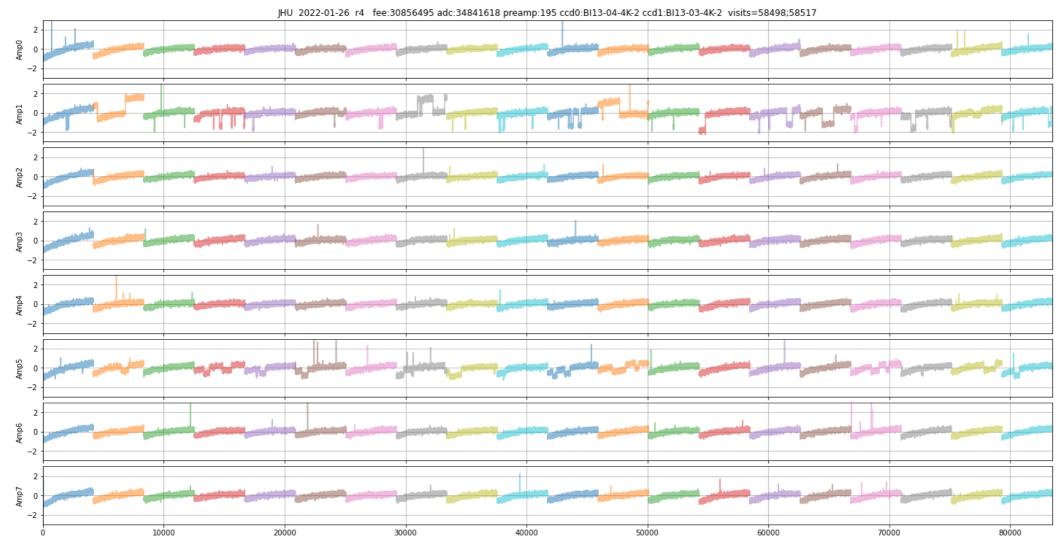
Occuring in mostly every biases now.





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After switching FEE and ADC



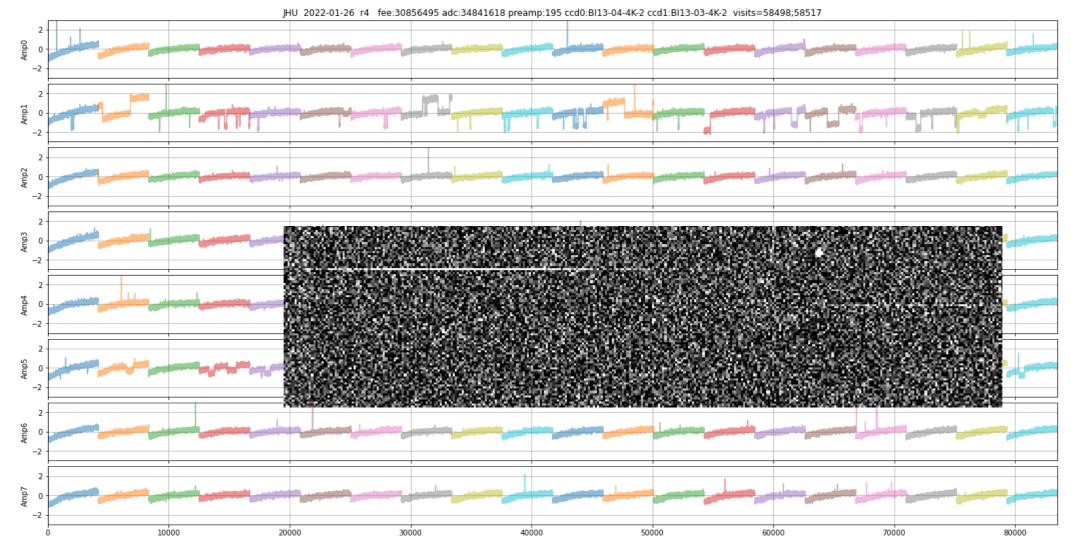






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After switching FEE and ADC



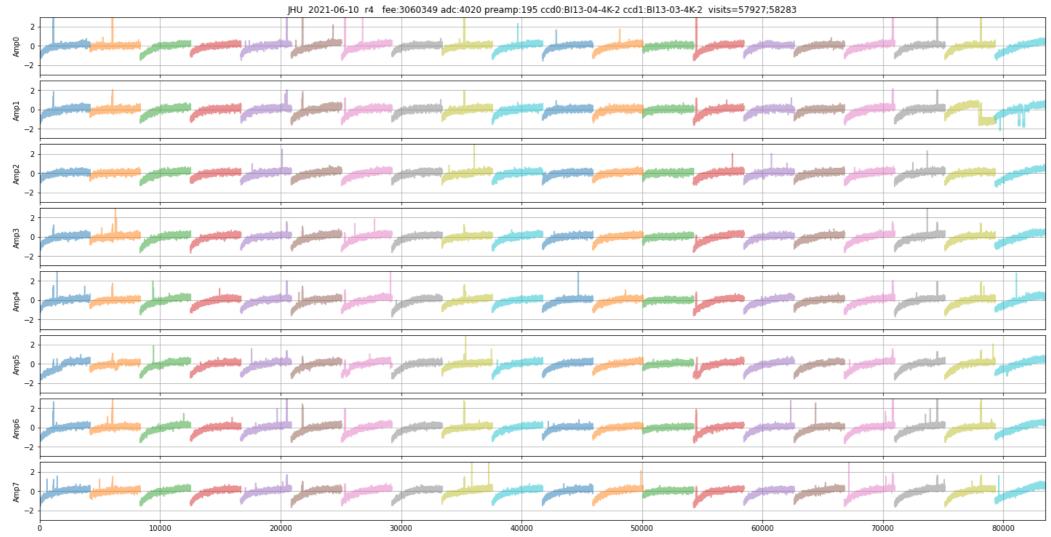
For those who wonder what are the spikes, they are also real and look like this.





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Step feature : data from June



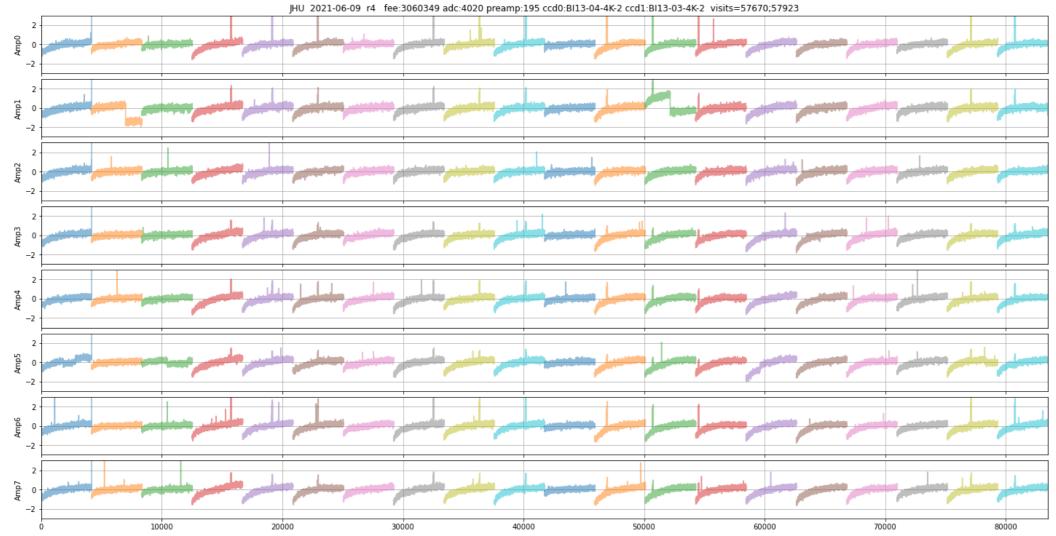
There were definitely less occurrence before...





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Step feature : data from June



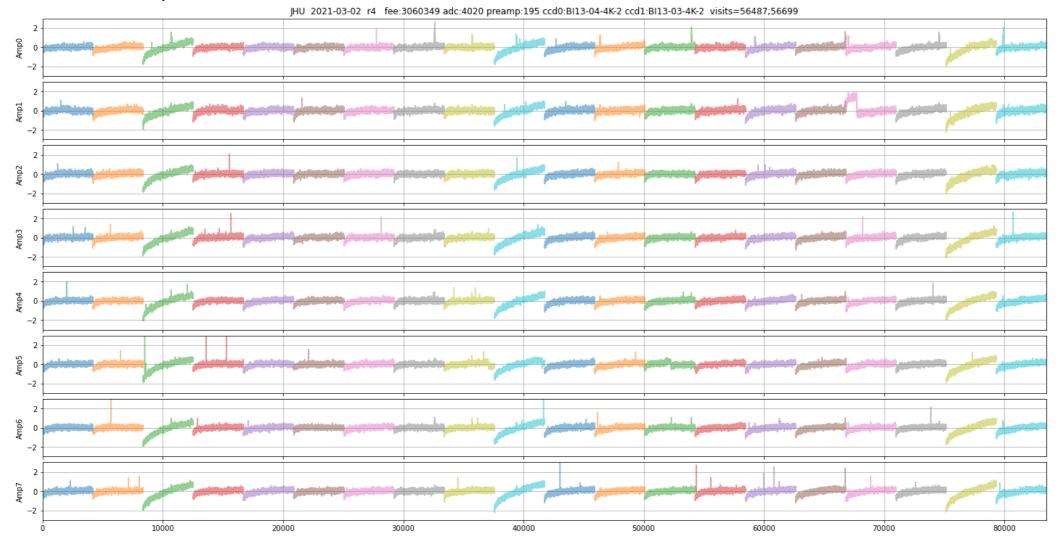
There were definitely less occurrence before...





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Step feature : data from March

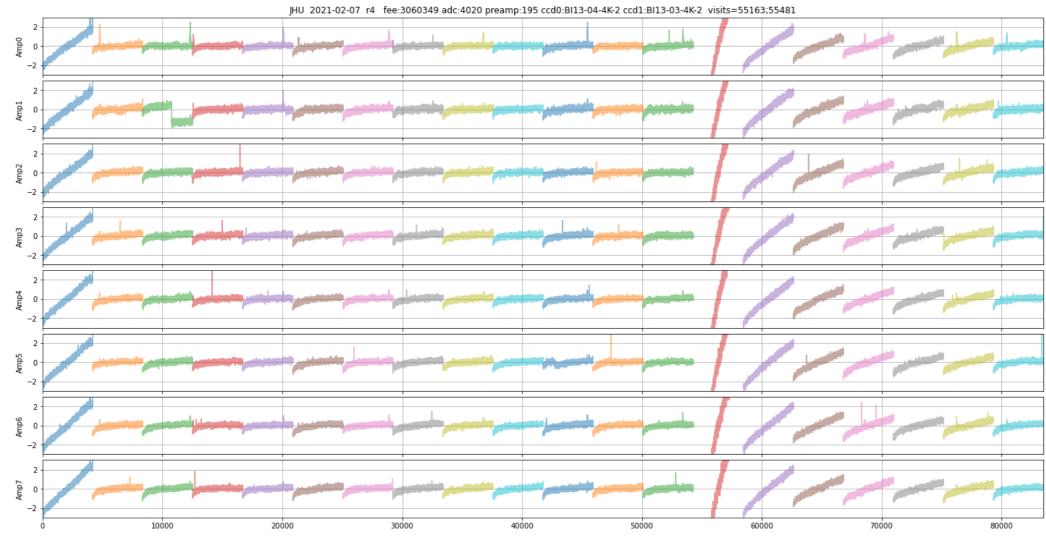


There were definitely less occurrence before...





Step feature : data from February



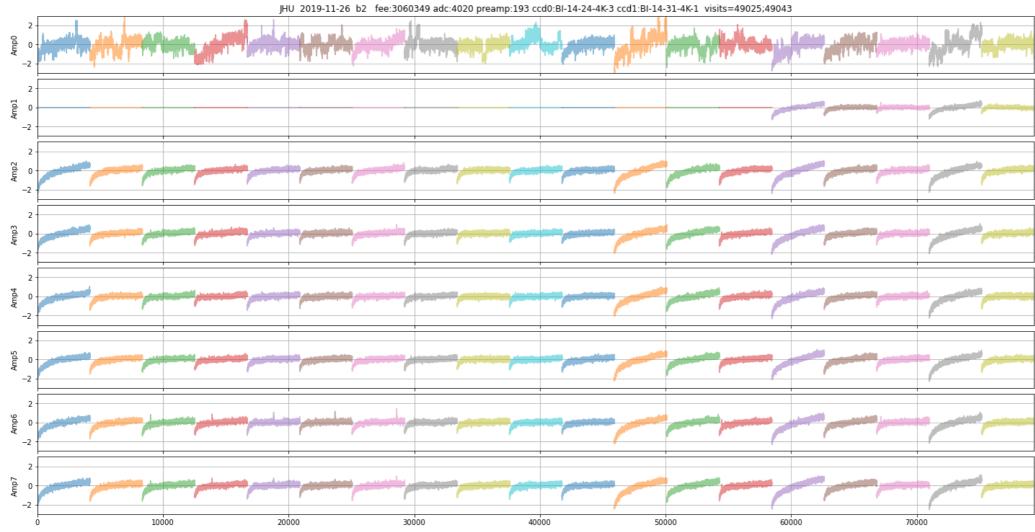
There were definitely less occurrence before ... maybe 1 over 20, so it looks like it's getting worse over time.

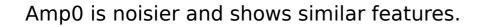




B2-FPA-JHU







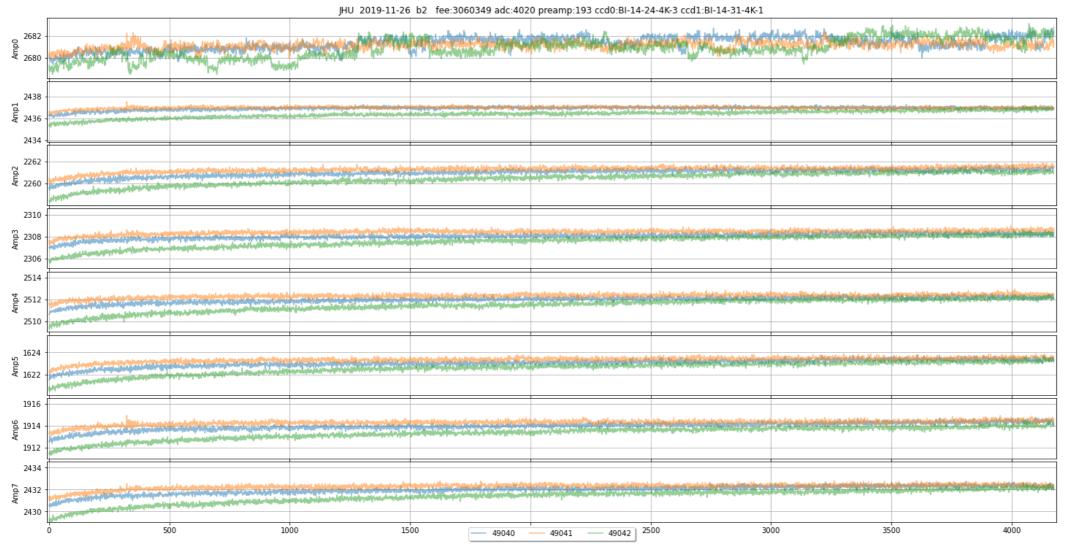




B2-FPA-JHU

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Amp0 is noisier and show similar features

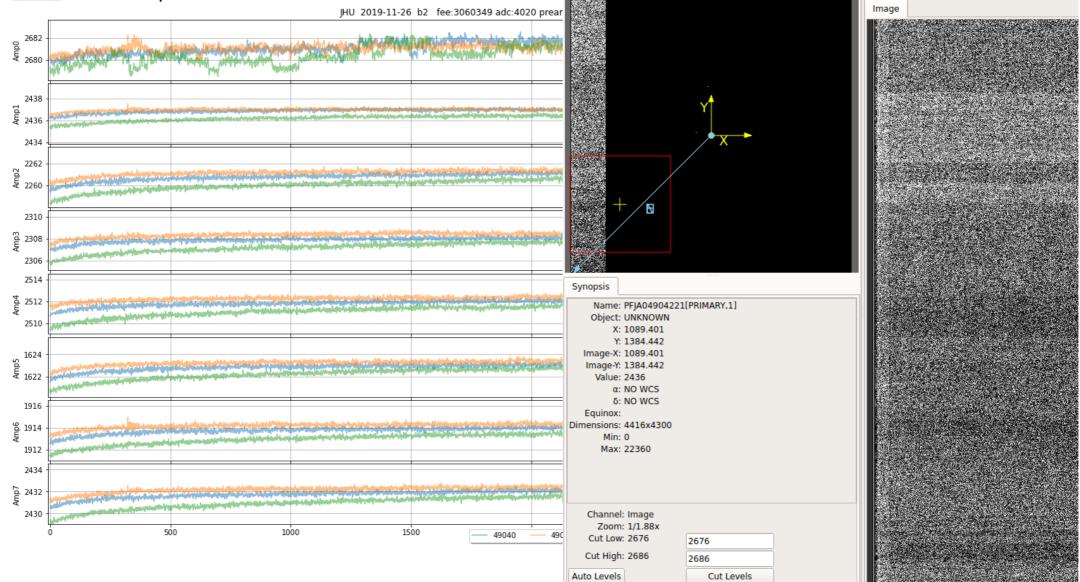




B2-FPA-JHU



Amp0 is noisier and show similar features

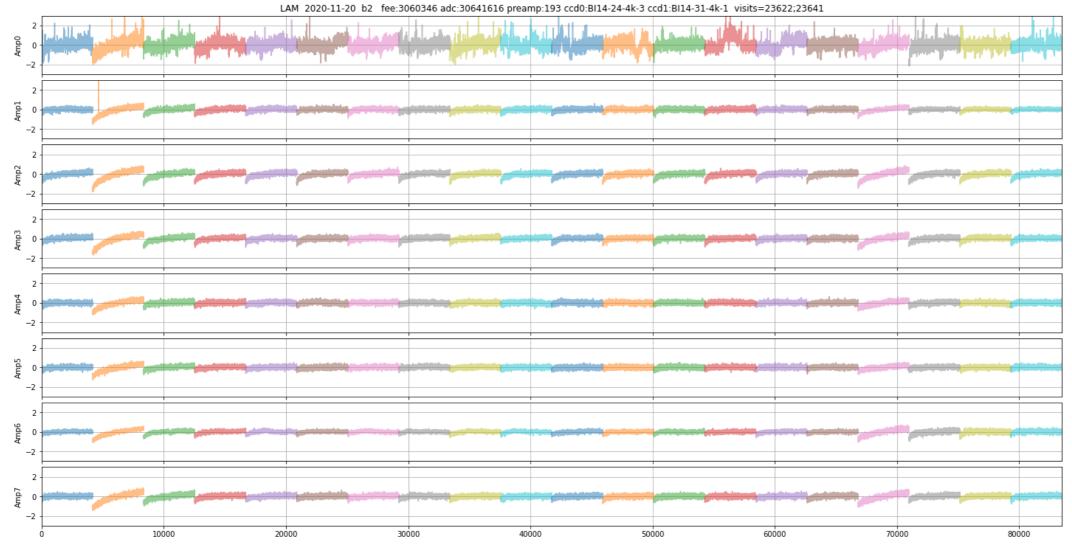




B2-FPA-LAM

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Amp0 is noisier and show similar features



Problem did not disappeared crossing the atlantic...

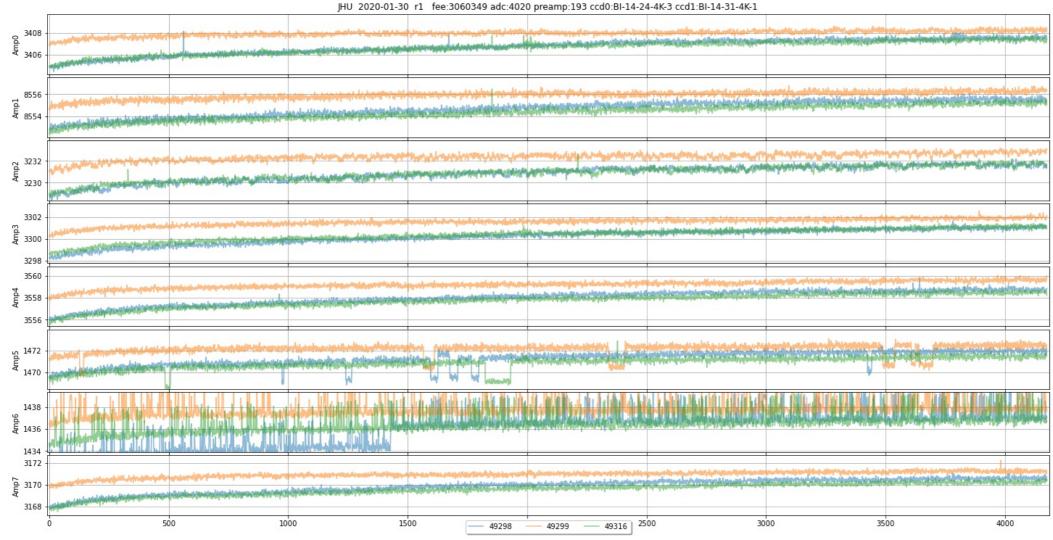




R1-FPA-JHU

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Similar features and amp5 and amp6



Amp6 show another high frequency noise in addition to the step feature.

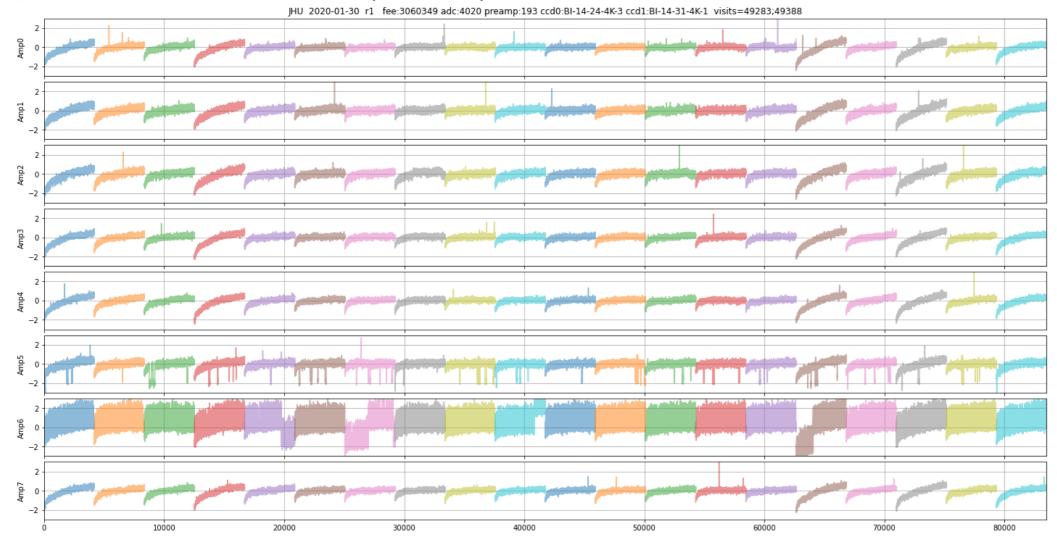




R1-FPA-JHU

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Similar features and amp5 and amp6



Amp6 show another high frequency noise in addition to the step feature.

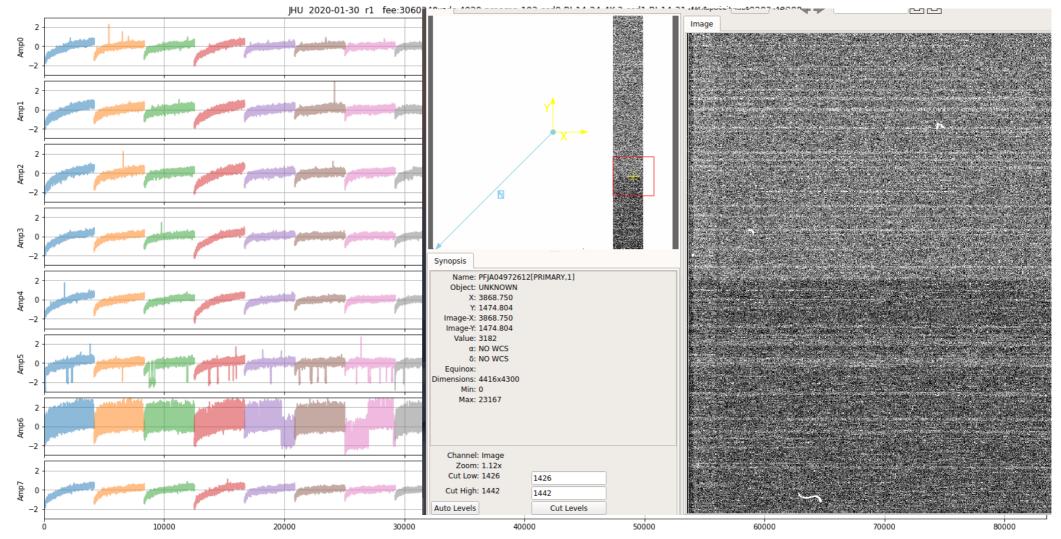




R1-FPA-JHU

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Similar features and amp5 and amp6



Amp6 show another high frequency noise in addition to the step feature.

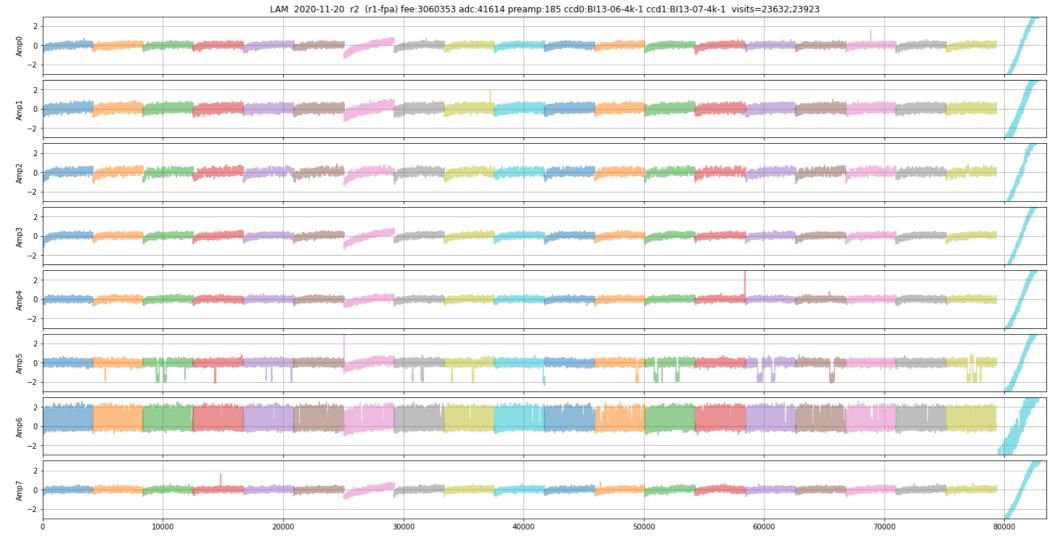




R1-FPA-LAM (in R2 CAM)

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Similar features and amp5 and amp6



Problem still there in LAM.

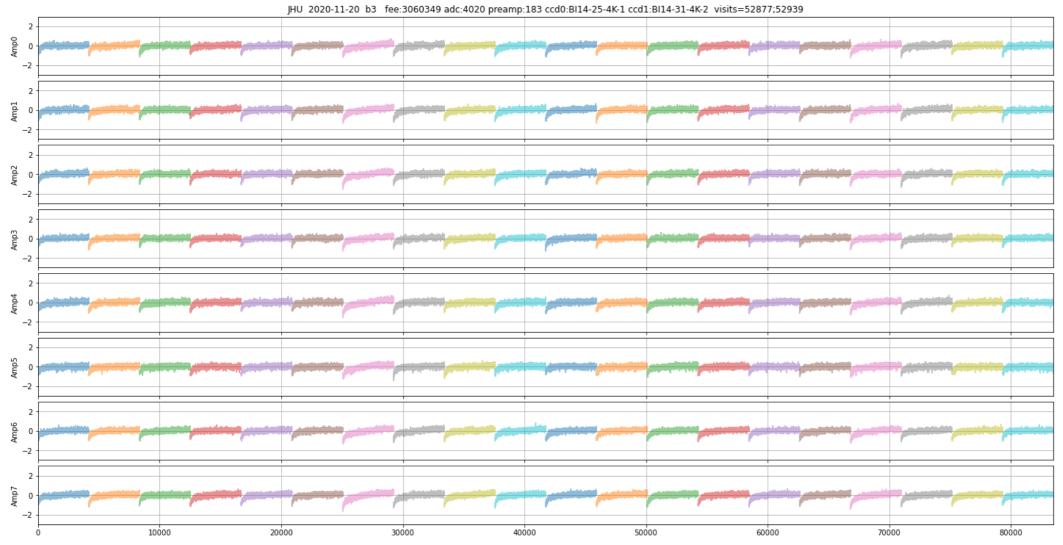




B3-FPA-JHU

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Look fairly clean



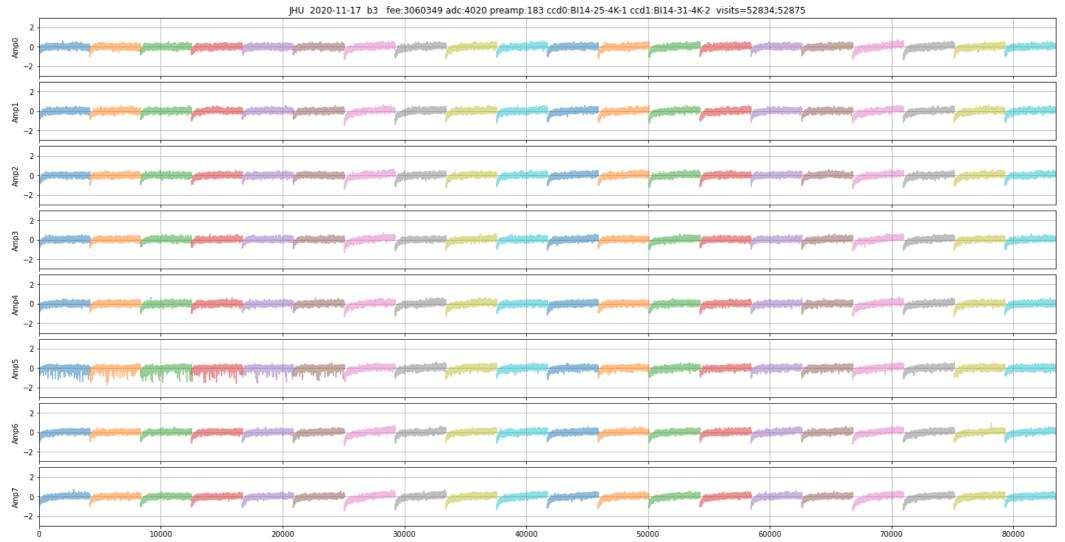




B3-FPA-JHU

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Look fairly clean



Amp5 has shown some spikes, but it looks like it was gone by the end of the dataset.

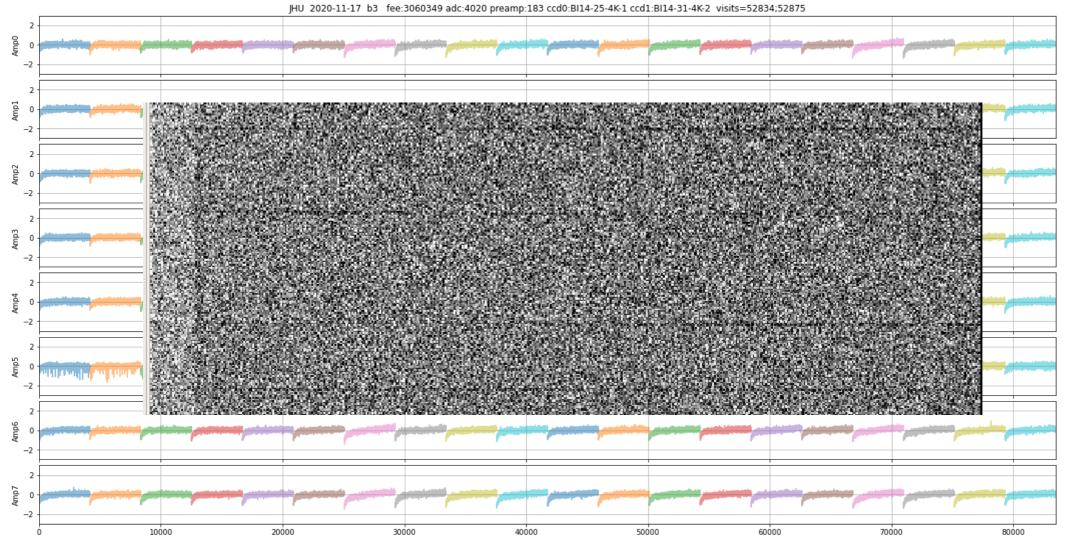




B3-FPA-JHU

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Look fairly clean



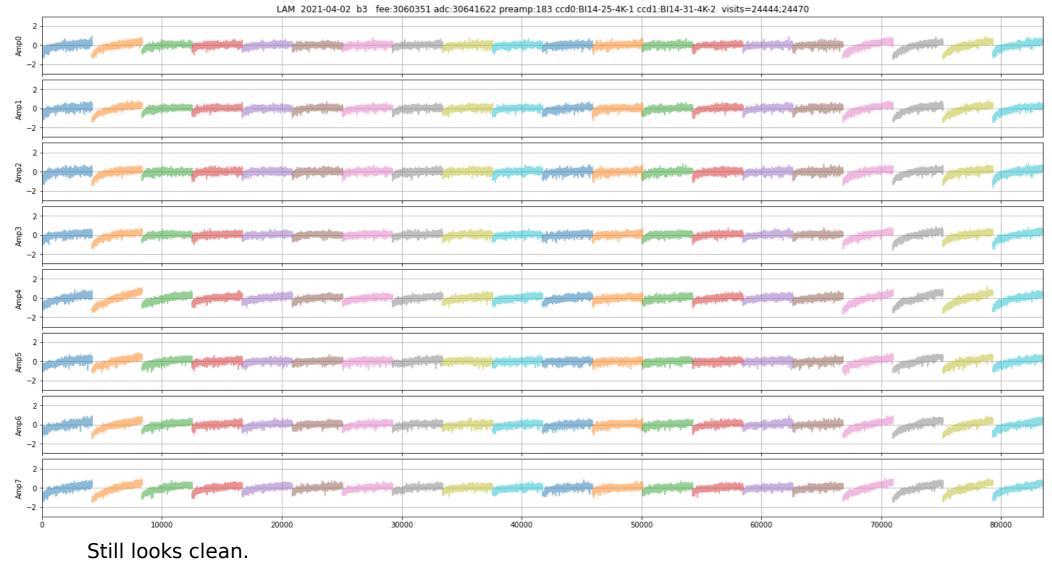
It's a pretty faint effect.





B3-FPA-LAM (in B3 CAM)



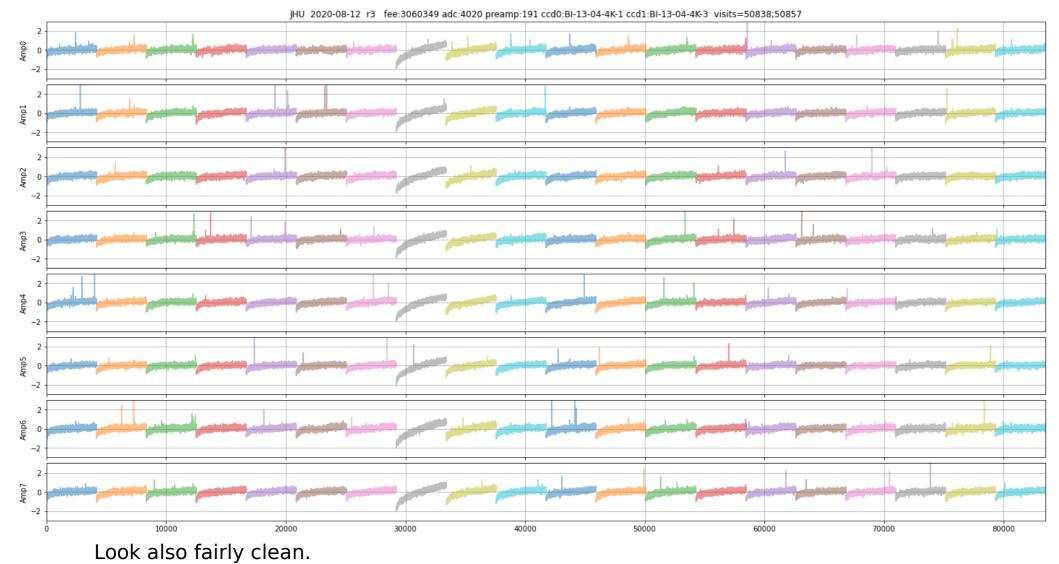






R3-FPA-JHU





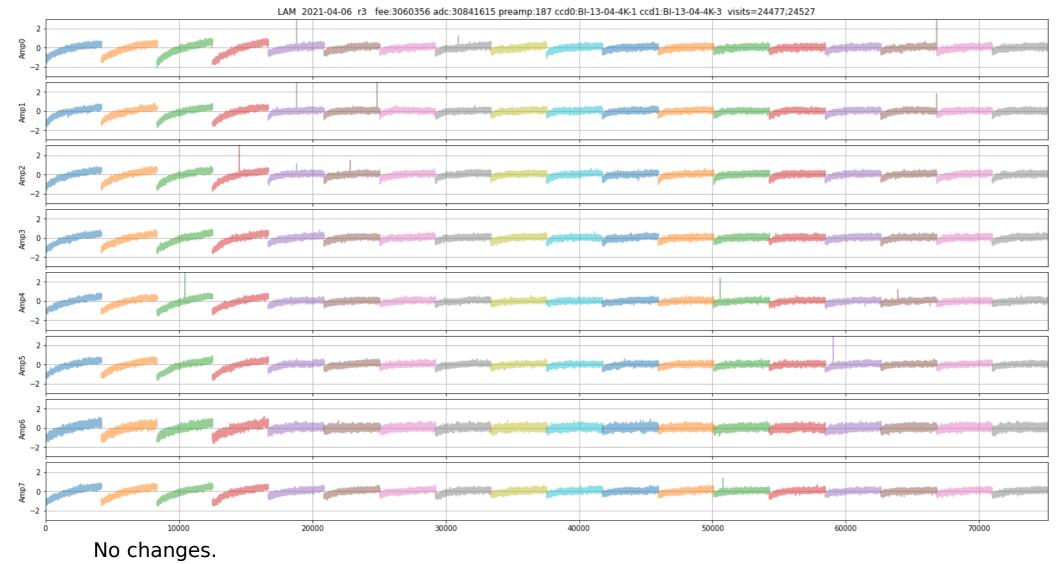






R3-FPA-LAM (in R3 CAM)

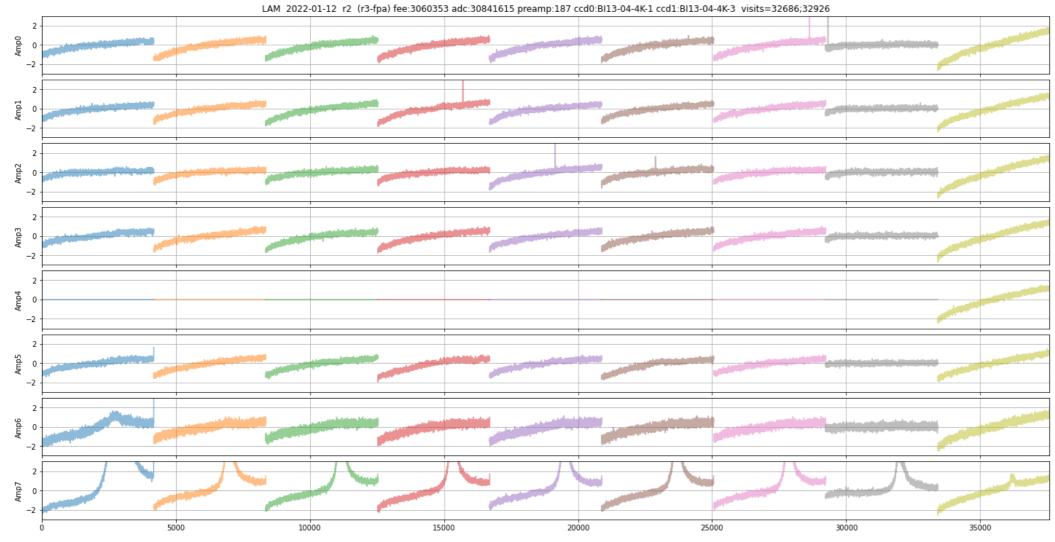






R3-FPA-LAM (in R2 CAM)





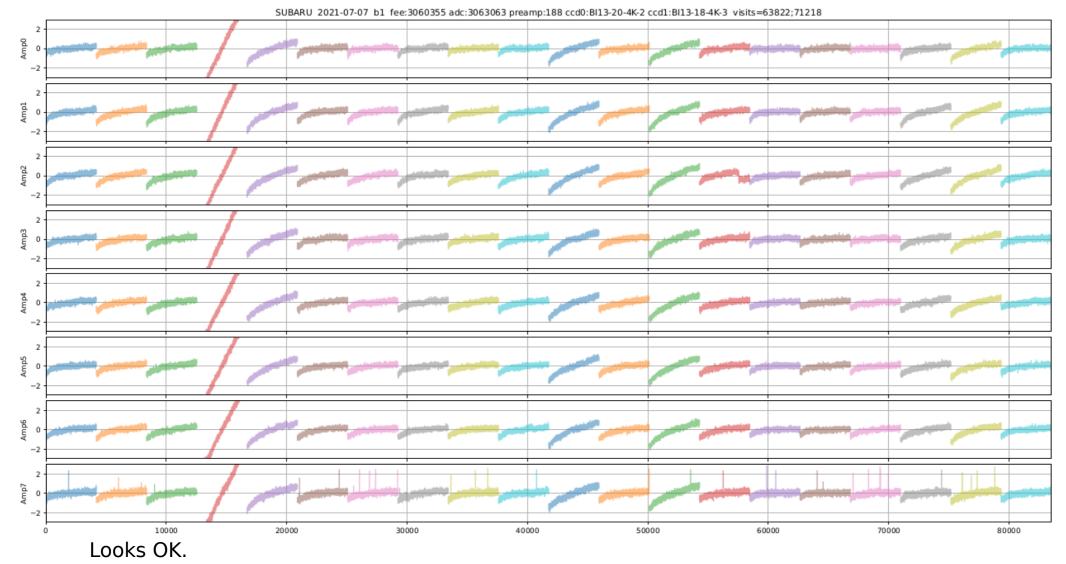
No changes, just ignore stray light in amp7...





B1-FPA-SUBARU (in B1 CAM)









R2-FPA-SUBARU (in R1 CAM)



