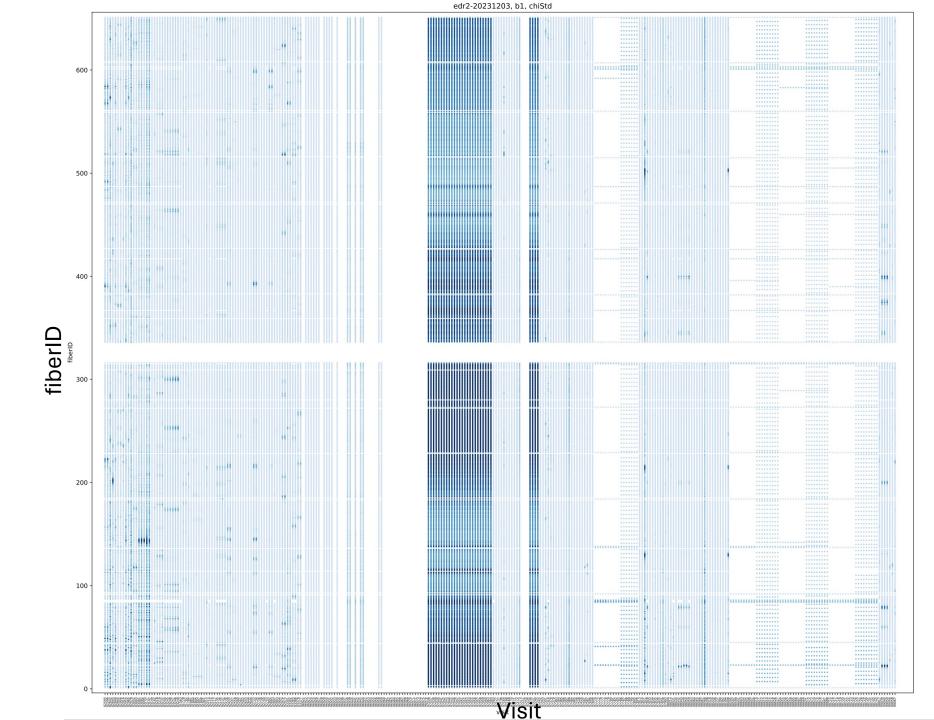
extractionQA for edr2-20231203 (b arm)

Satoshi Hamano (NAOJ)

b1 chi's rms for each fiber



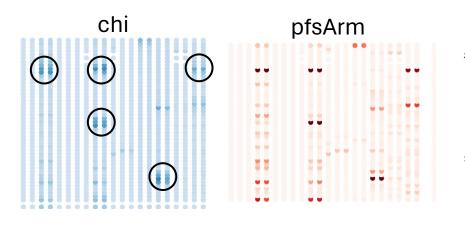
b1

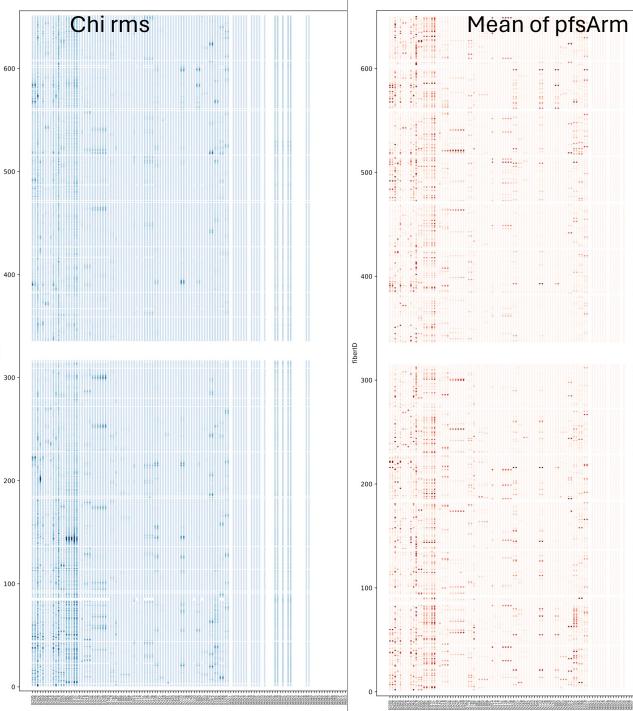
Most spots seen in the chi map are related to bright fibers.

The fibers around bright fibers are affected.

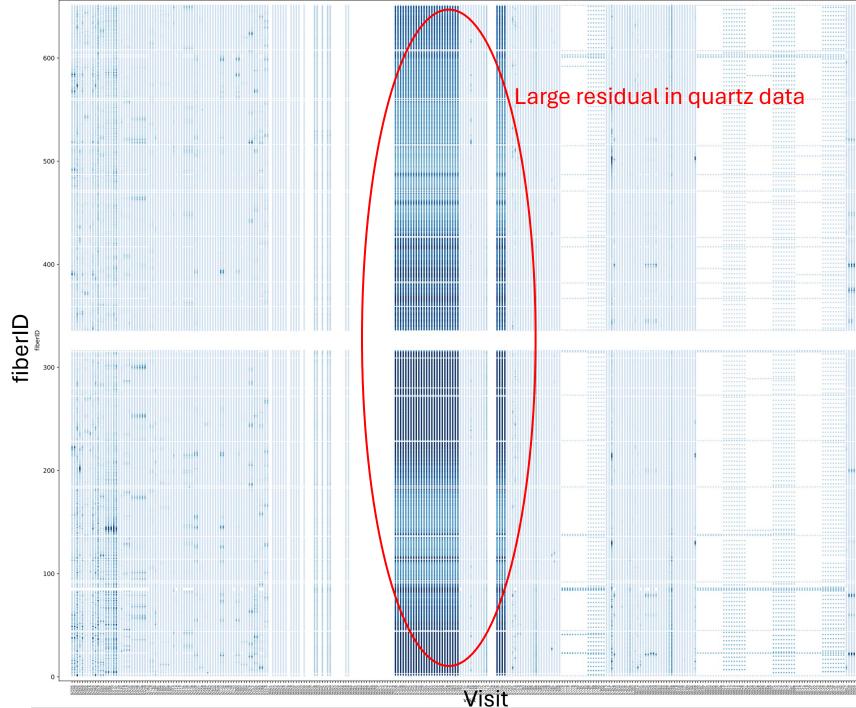
6

fiber



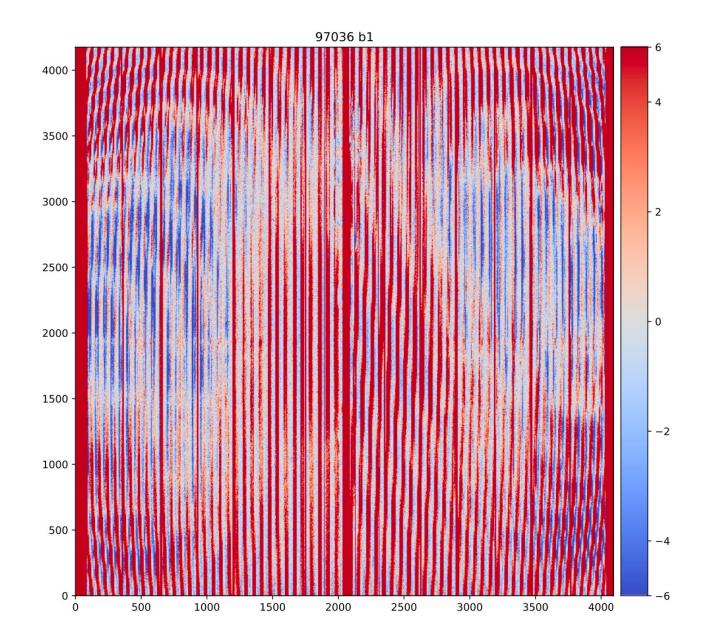


b1 chi's rms for each fiber

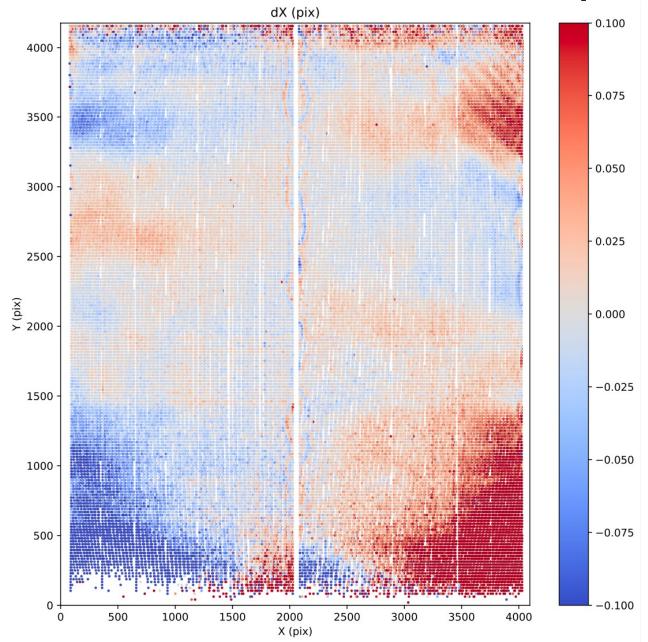


edr2-20231203, b1, chiStd

Chi map for Visit=97036 (Quartz)

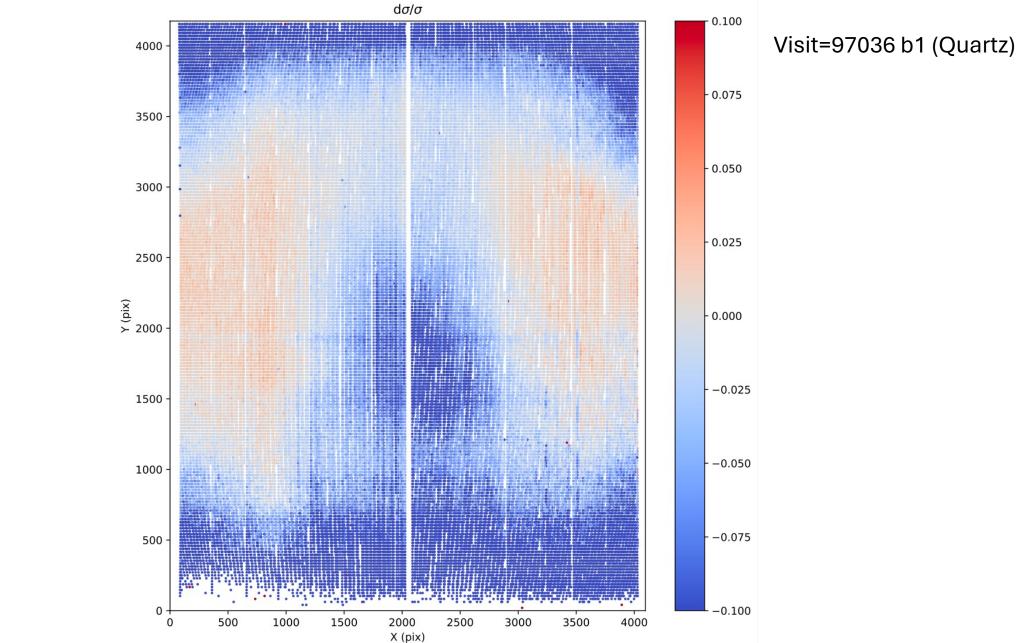


Offset between model and calExp images

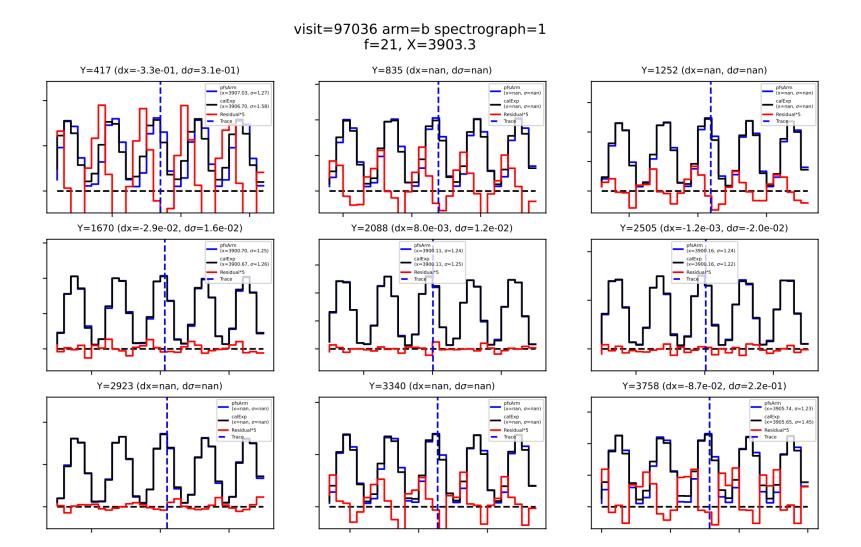


Visit=97036 b1 (Quartz)

Width difference between model and calExp images



Cross-cut profiles and residuals



dX map (b1)

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edr2-20231203, b1, Average of dx from extractionQA

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- -0.025

- -0.050

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dσ/σ map (b1)

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visit

edr2-20231203, b1, Average of dsigma/sigma from extractionQA

0.100

- 0.075

- 0.050

- 0.025

- 0.000

-0.025

-0.050

-0.075

-0.100

b3 chi's rms for each fiber



-1

edr2-20231203, b3, chiStd

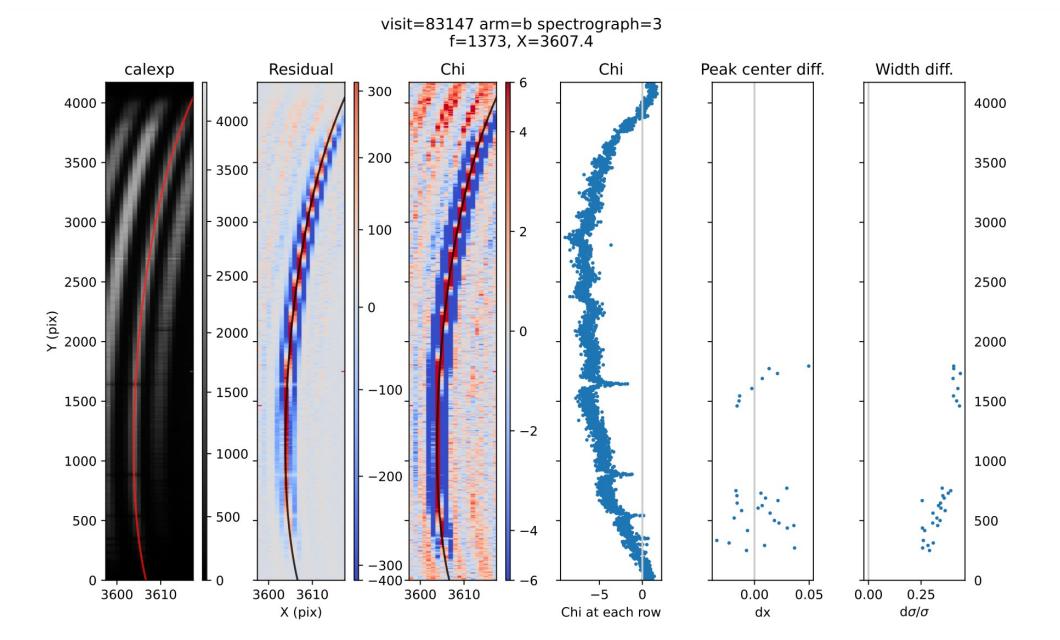
b3

1900 1800 -1700 -..... ... fiberID fiberID 1600 1500 1415 1400 1373 1300 VIJIL

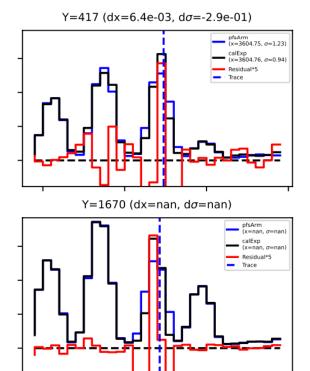
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edr2-20231203, b3, chiStd

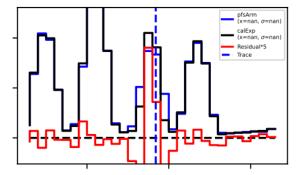
Two fibers 1373 and 1415 have large chi values in many visits.

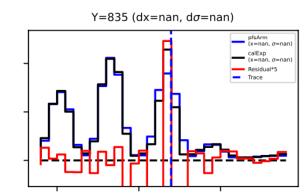


visit=83147 arm=b spectrograph=3 f=1373, X=3607.4

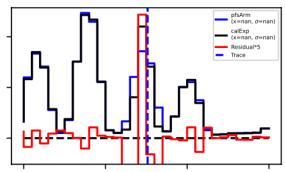


Y=2923 (dx=nan, d σ =nan)

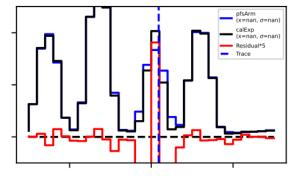


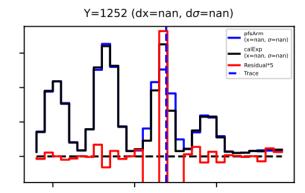


Y=2088 (dx=nan, d σ =nan)

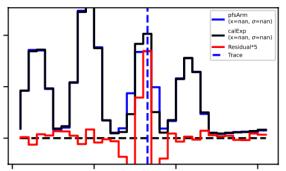


Y=3340 (dx=nan, d σ =nan)

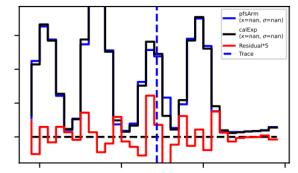


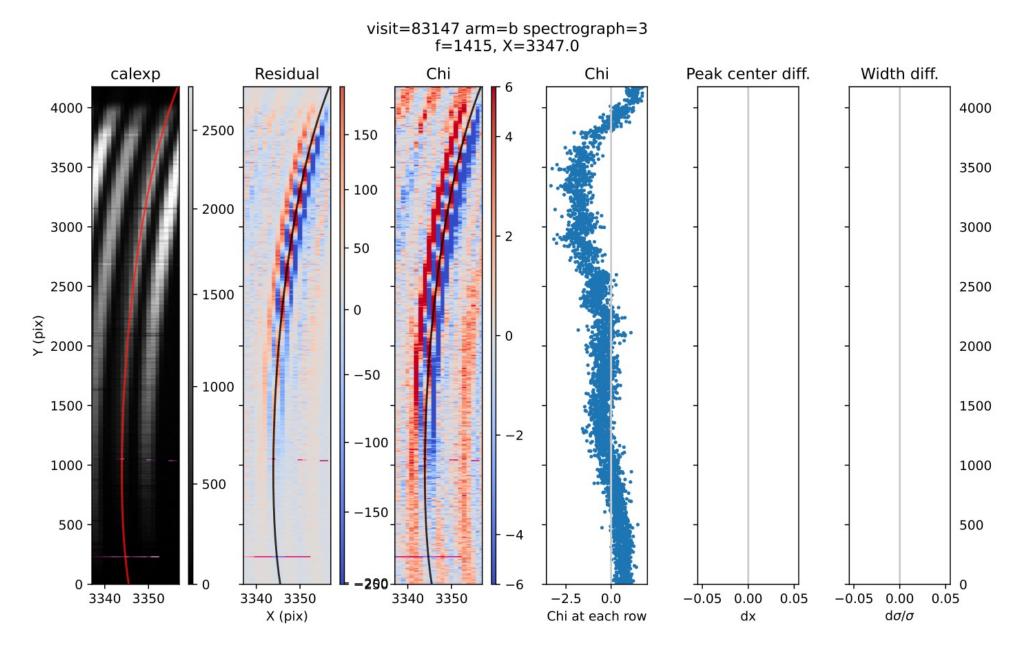


Y=2505 (dx=nan, d σ =nan)

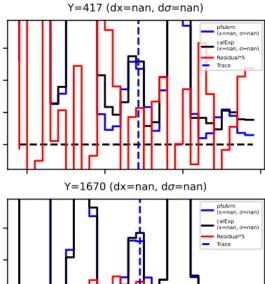


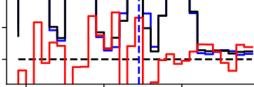
Y=3758 (dx=nan, d σ =nan)



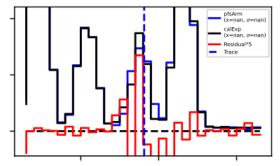


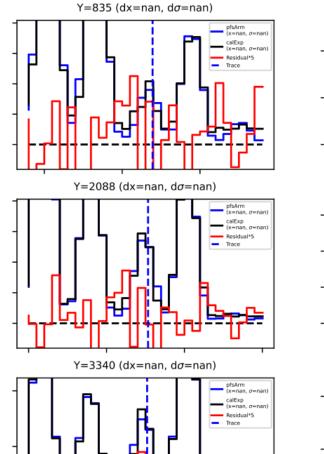
visit=83147 arm=b spectrograph=3 f=1415, X=3347.0



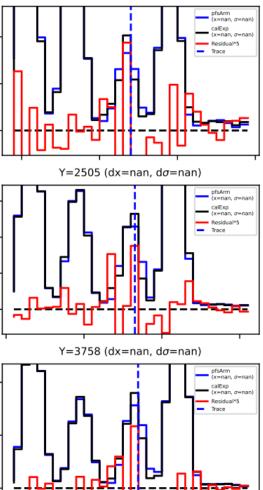


Y=2923 (dx=nan, d*o*=nan)



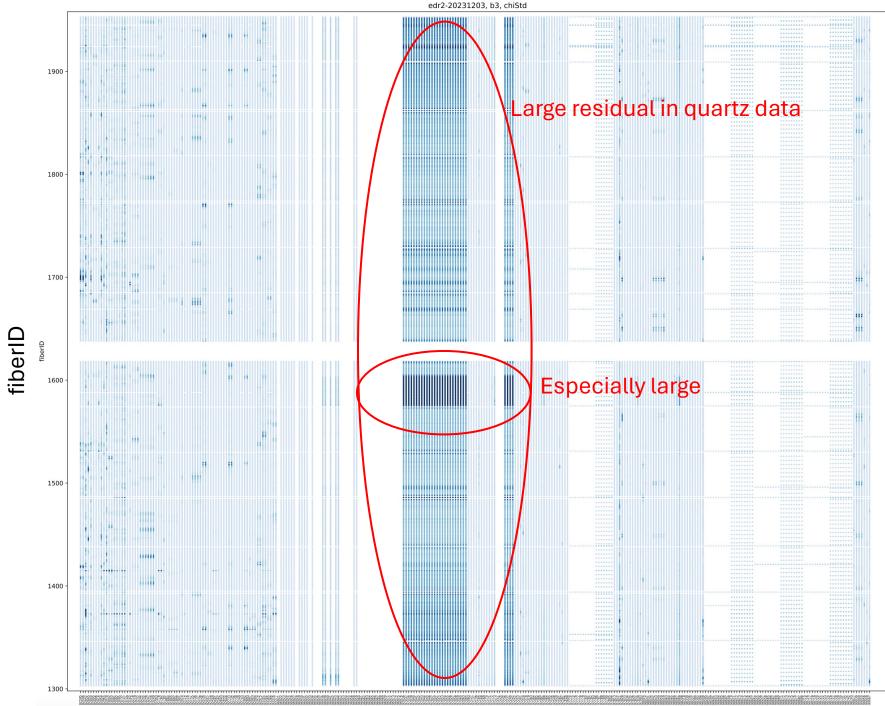


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Y=1252 (dx=nan, $d\sigma$ =nan)

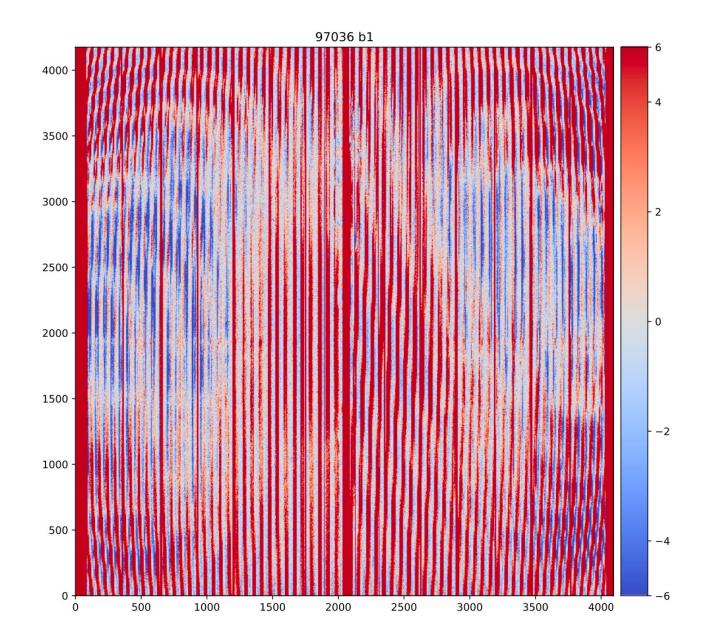
b3



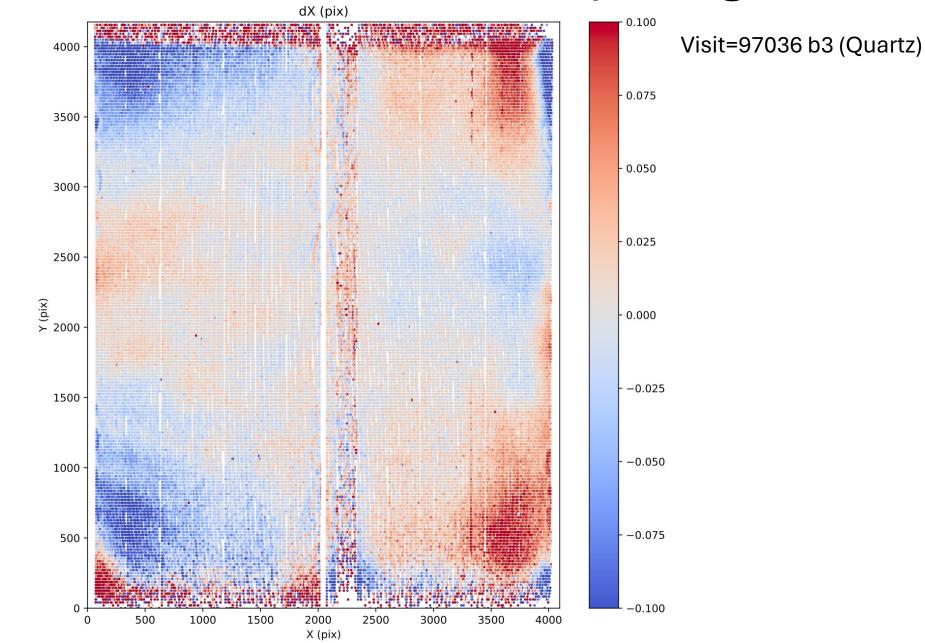
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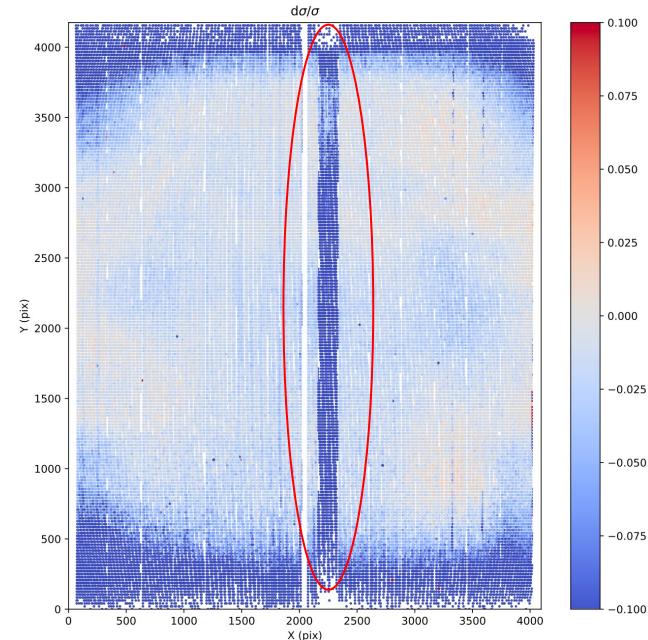
Chi map for Visit=97036 (Quartz)



Offset between model and calExp images



Width difference between model and calExp images

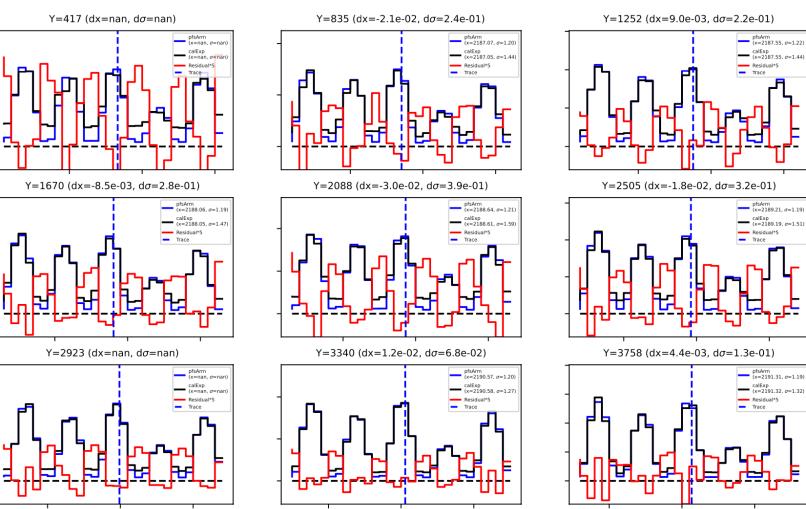


Fibers with especially large residuals have large width differences.

Visit=97036 b3 (Quartz)

Cross-cut profiles and residuals

visit=97036 arm=b spectrograph=3 f=1599, X=2188.8



dX map (b3)

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edr2-20231203, b3, Average of dx from extractionQA

-0.100

0.100

- 0.075

- 0.050

- 0.025

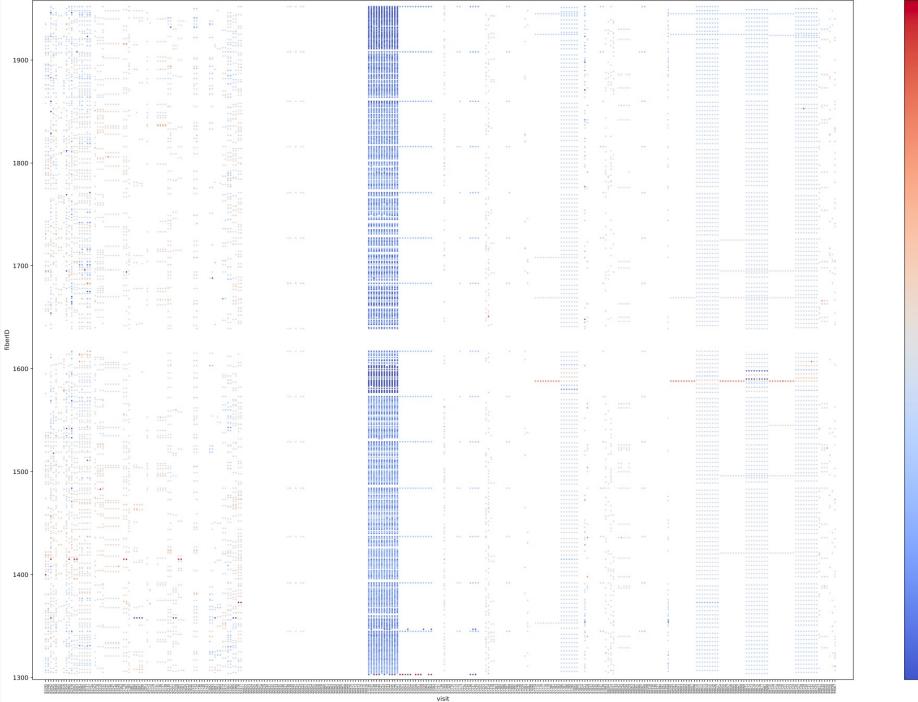
- 0.000

-0.025

-0.050

-0.075

dσ/σ map (b3)



edr2-20231203, b3, Average of dsigma/sigma from extractionQA

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- 0.075

0.050

0.025

0.000

-0.025

-0.050

-0.075