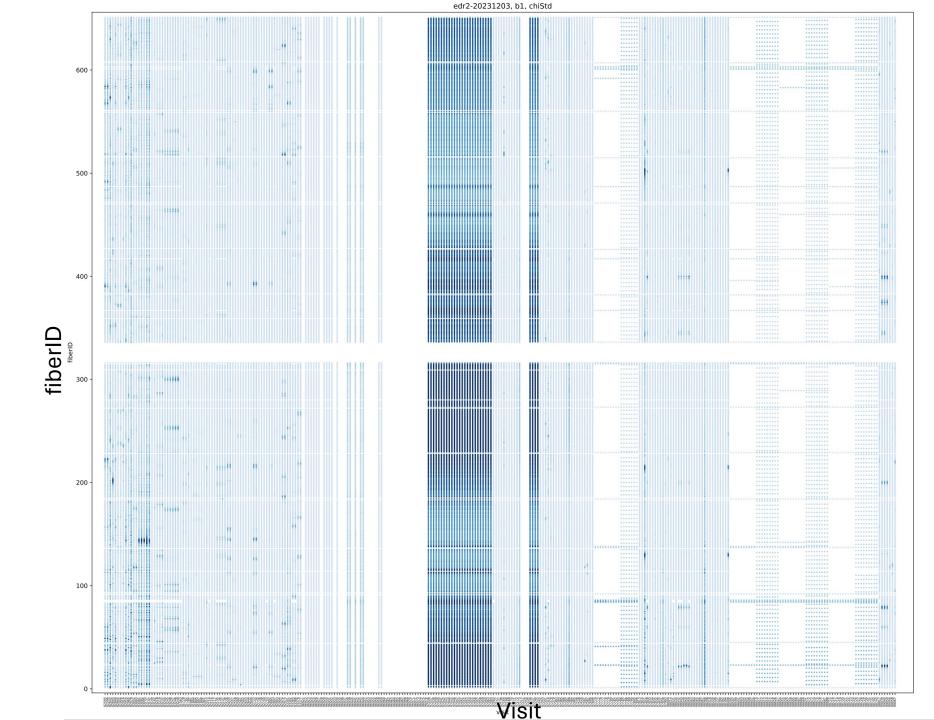
# extractionQA for edr2-20231203 (b arm)

Satoshi Hamano (NAOJ)

# **b1** chi's rms for each fiber



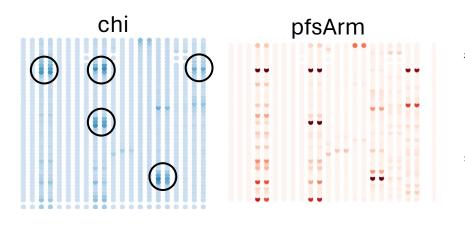
## **b1**

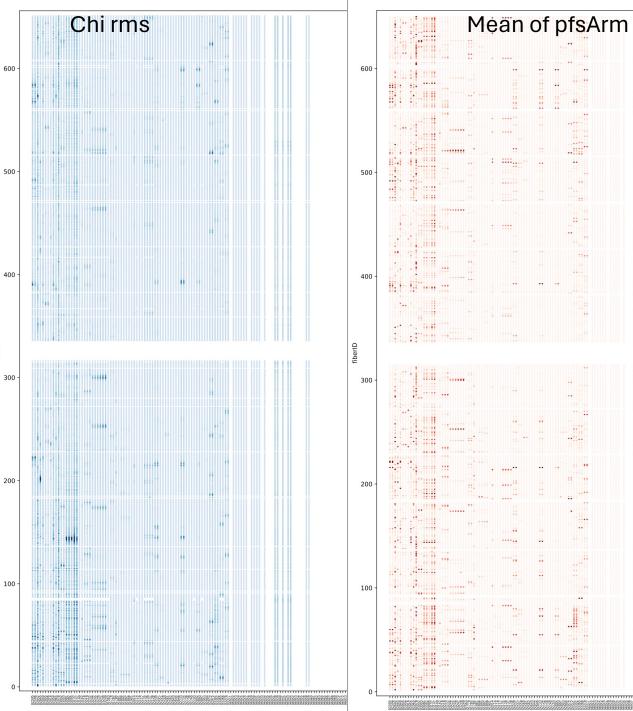
Most spots seen in the chi map are related to bright fibers.

The fibers around bright fibers are affected.

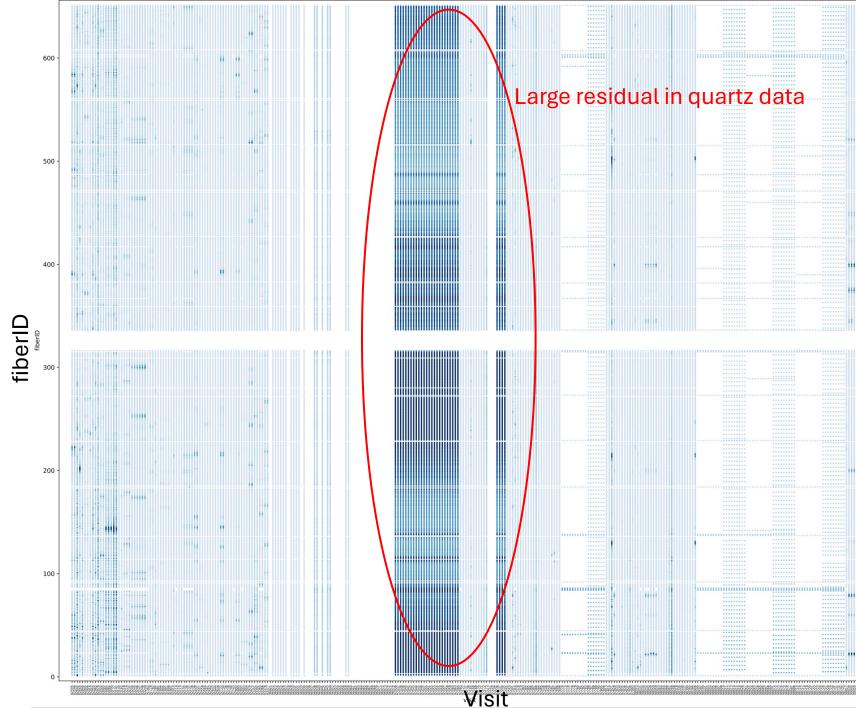
6

fiber



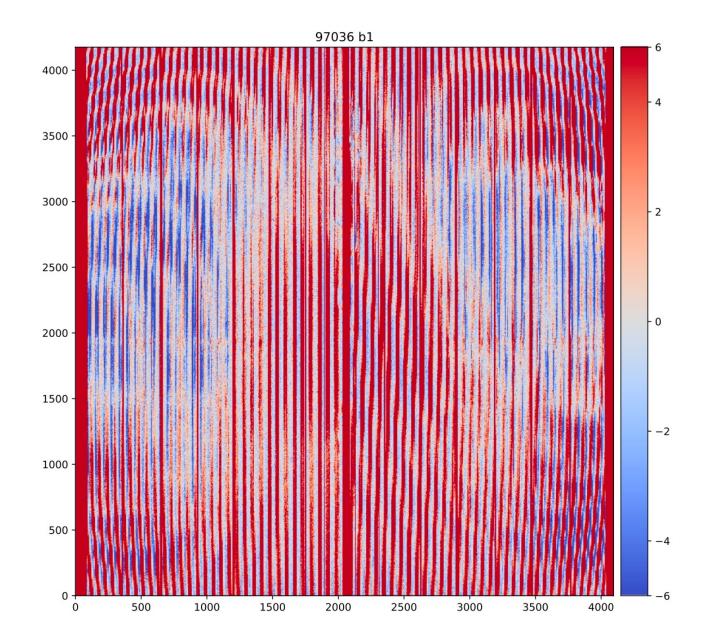


# **b1** chi's rms for each fiber

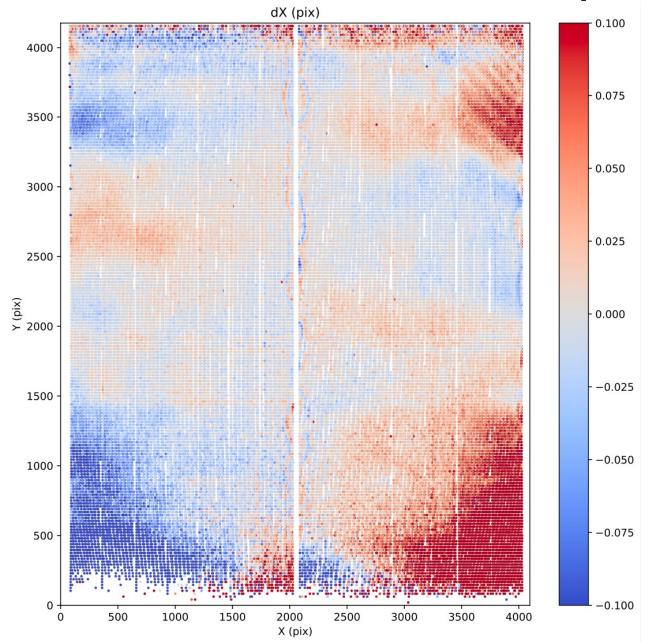


edr2-20231203, b1, chiStd

## Chi map for Visit=97036 (Quartz)

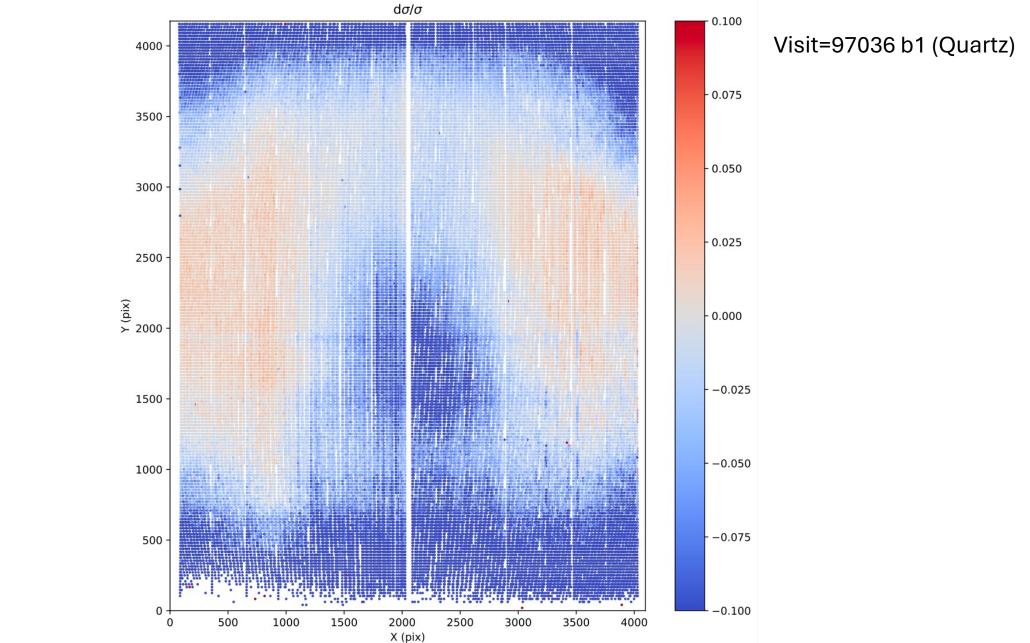


#### Offset between model and calExp images

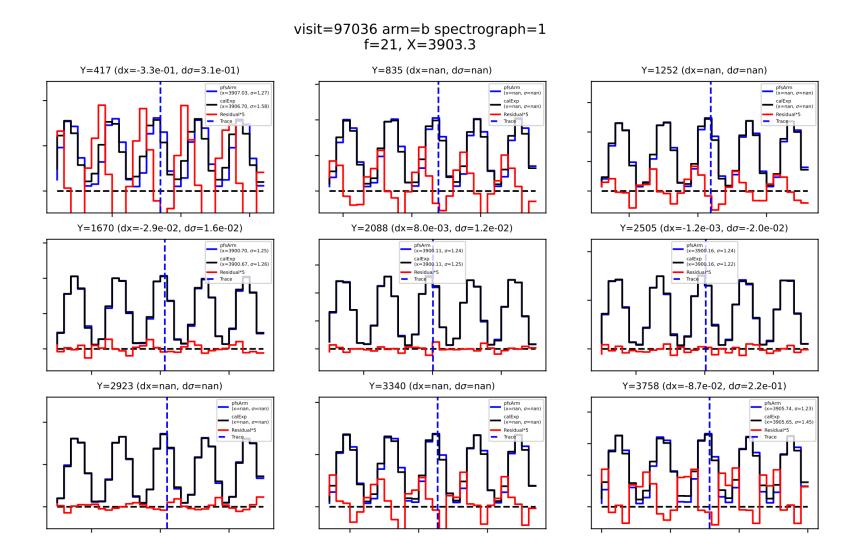


Visit=97036 b1 (Quartz)

#### 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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- 0.075

- 0.050

- 0.025

- 0.000

- -0.025

- -0.050

- -0.075

-0.100

# dσ/σ map (b1)

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#### 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

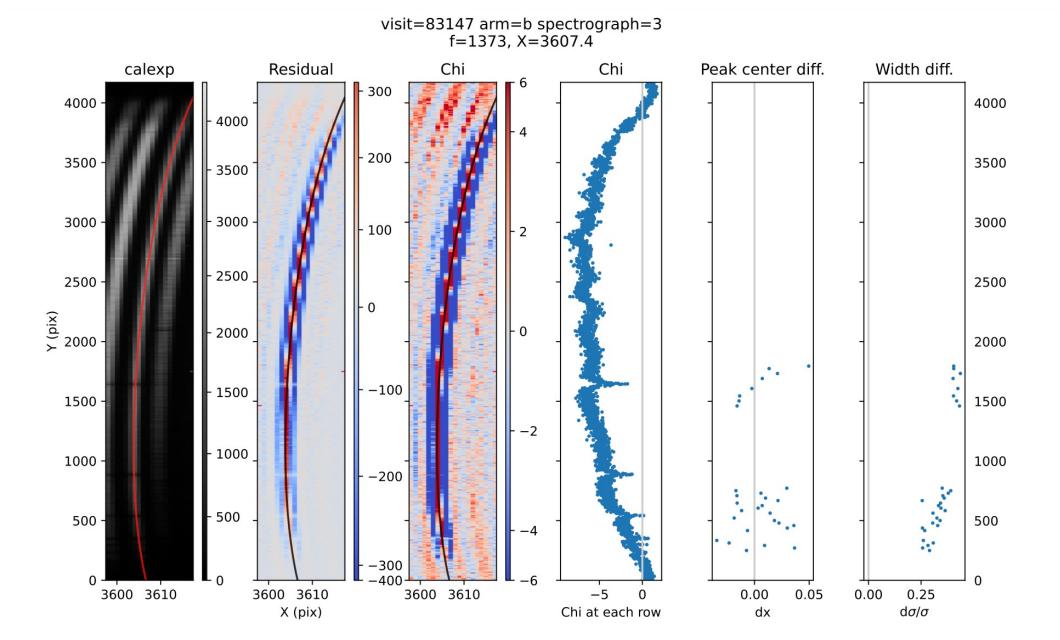
### **b3**

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

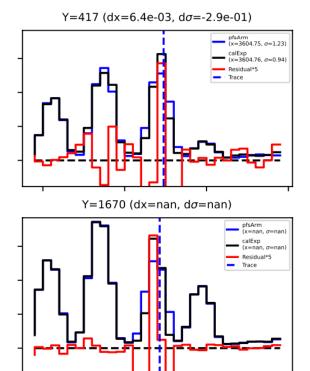
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edr2-20231203, b3, chiStd

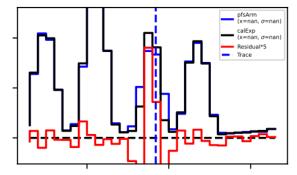
Two fibers 1373 and 1415 have large chi values in many visits.

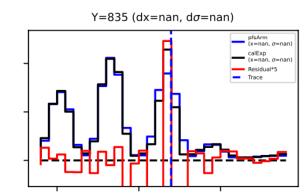


visit=83147 arm=b spectrograph=3 f=1373, X=3607.4

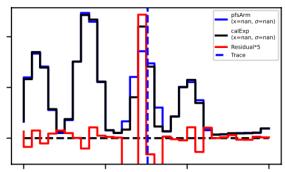


Y=2923 (dx=nan, d $\sigma$ =nan)

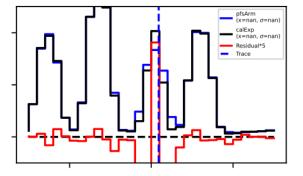


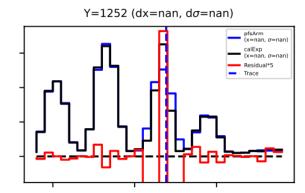


Y=2088 (dx=nan, d $\sigma$ =nan)

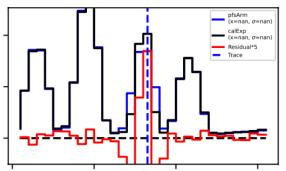


Y=3340 (dx=nan, d $\sigma$ =nan)

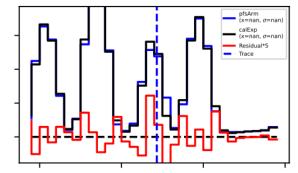


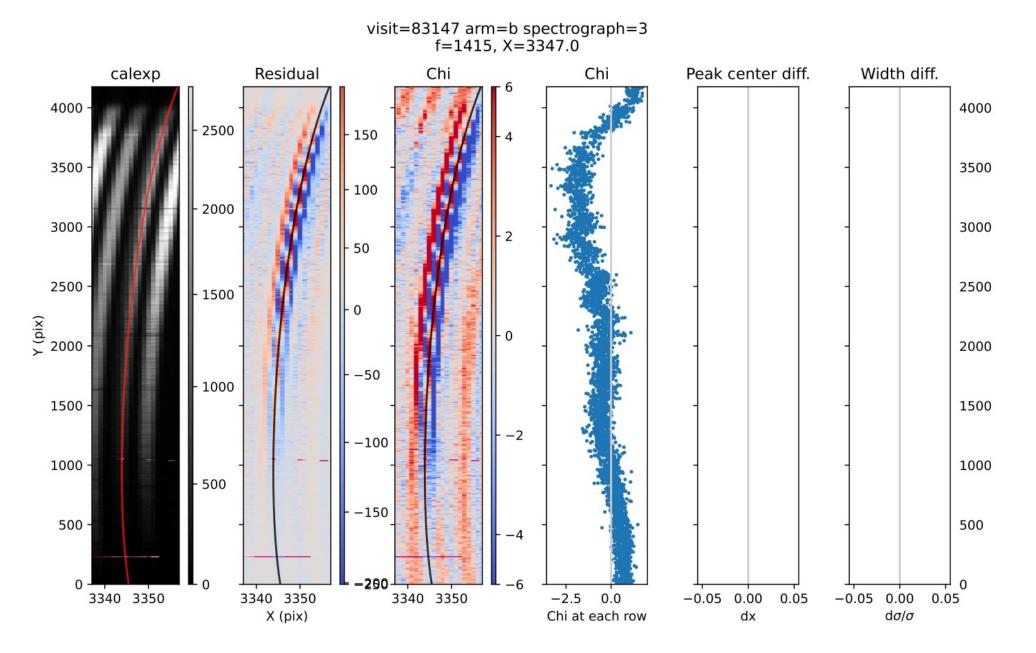


Y=2505 (dx=nan, d $\sigma$ =nan)

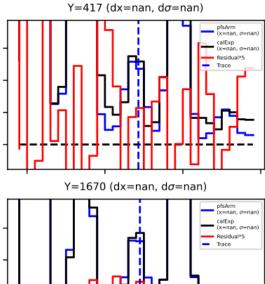


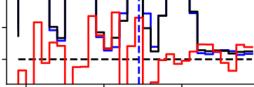
Y=3758 (dx=nan, d $\sigma$ =nan)



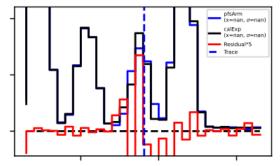


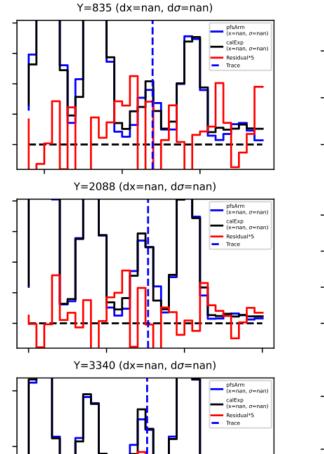
visit=83147 arm=b spectrograph=3 f=1415, X=3347.0



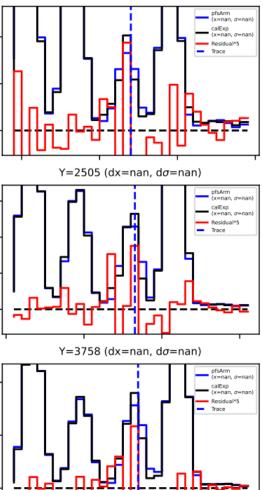


Y=2923 (dx=nan, d*o*=nan)



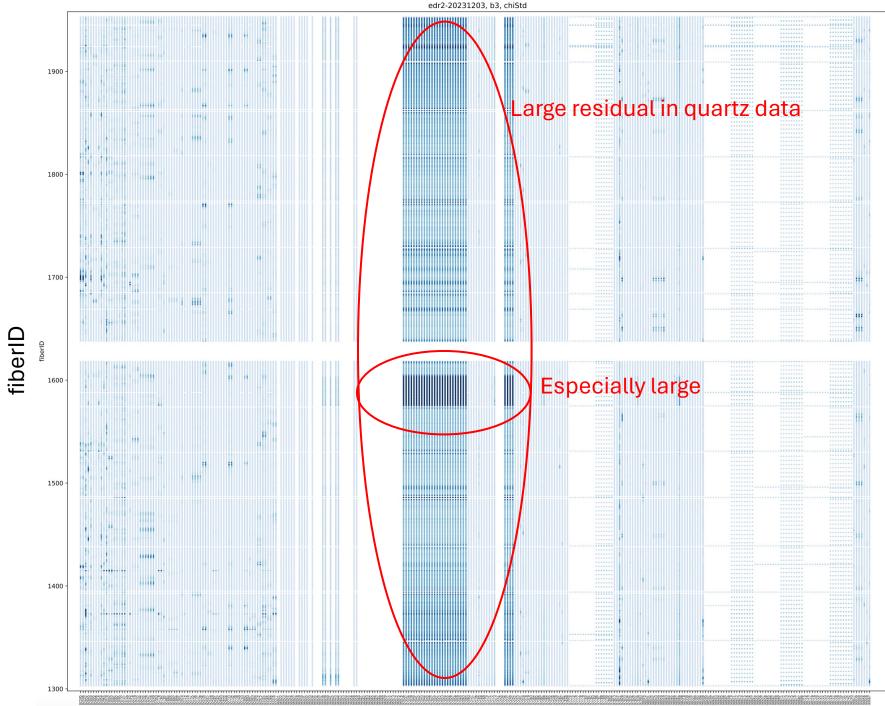


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Y=1252 (dx=nan,  $d\sigma$ =nan)

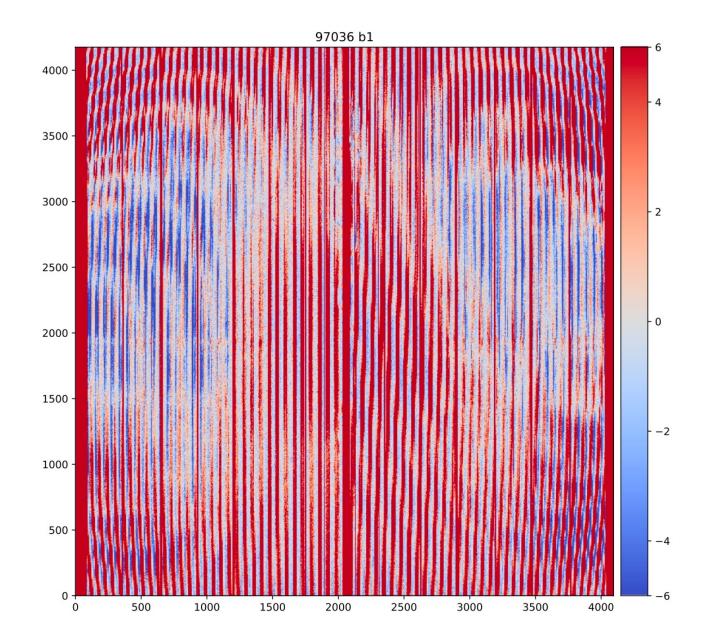
#### **b3**



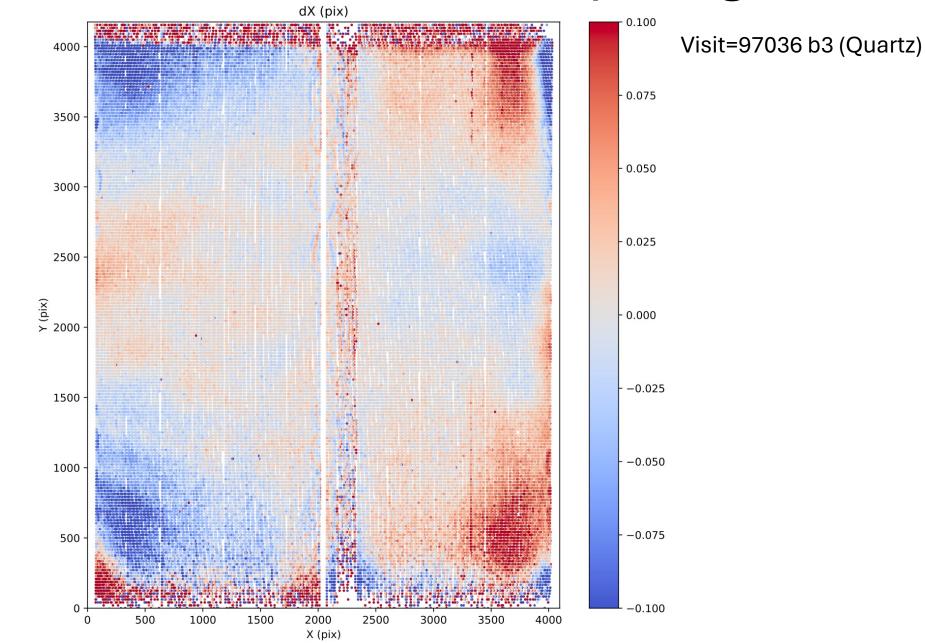
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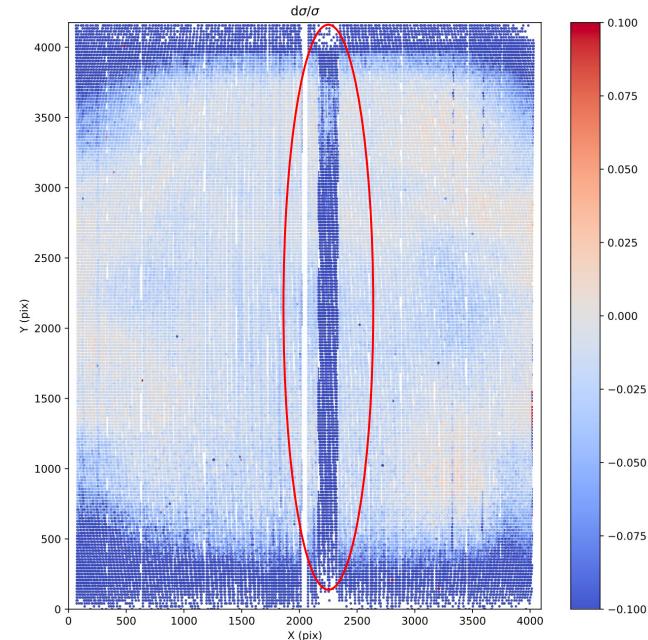
## Chi map for Visit=97036 (Quartz)



#### Offset between model and calExp images



#### Width difference between model and calExp images

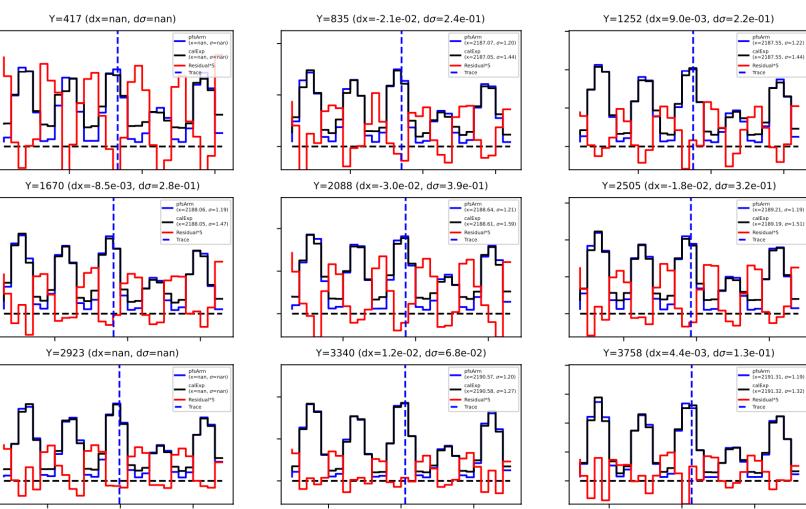


Fibers with especially large residuals have large width differences.

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

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0.100

- 0.075

- 0.050

- 0.025

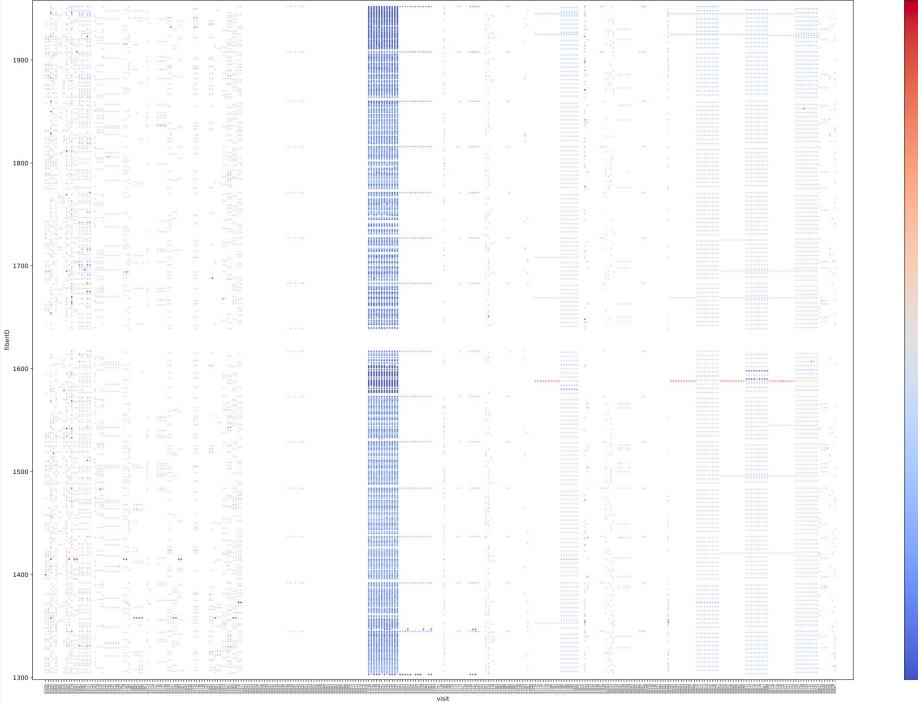
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-0.025

-0.050

-0.075

# dσ/σ map (b3)



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

0.100

- 0.075

0.050

0.025

0.000

-0.025

-0.050

-0.075