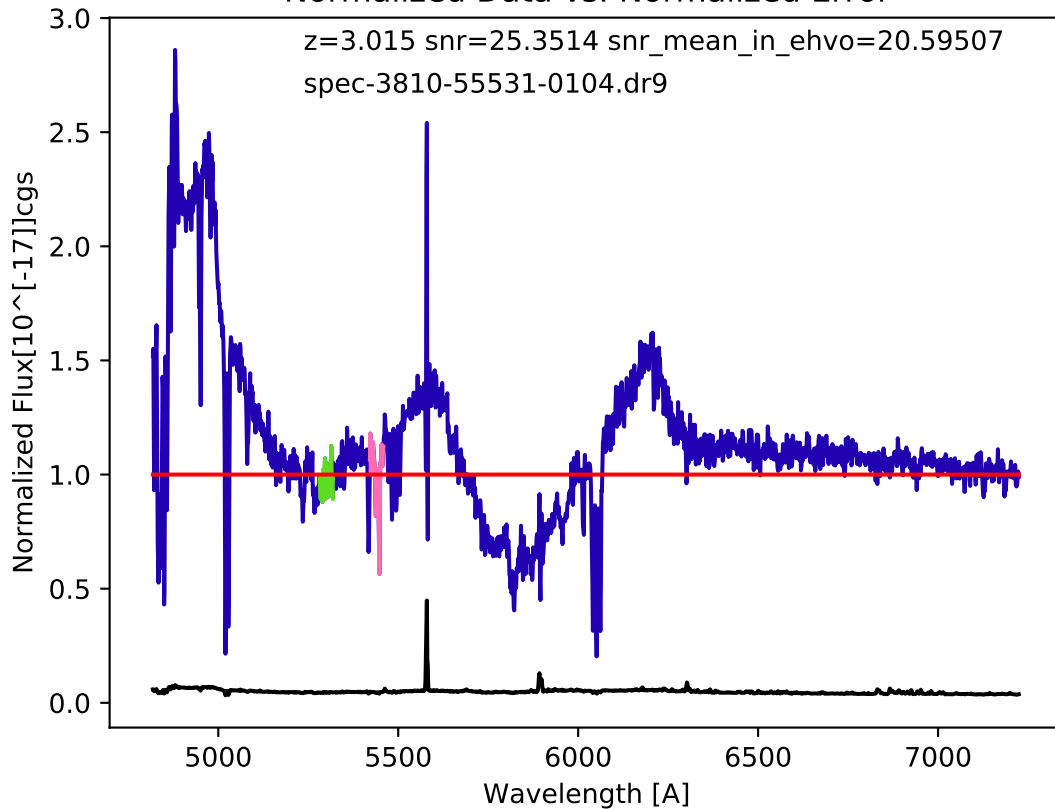


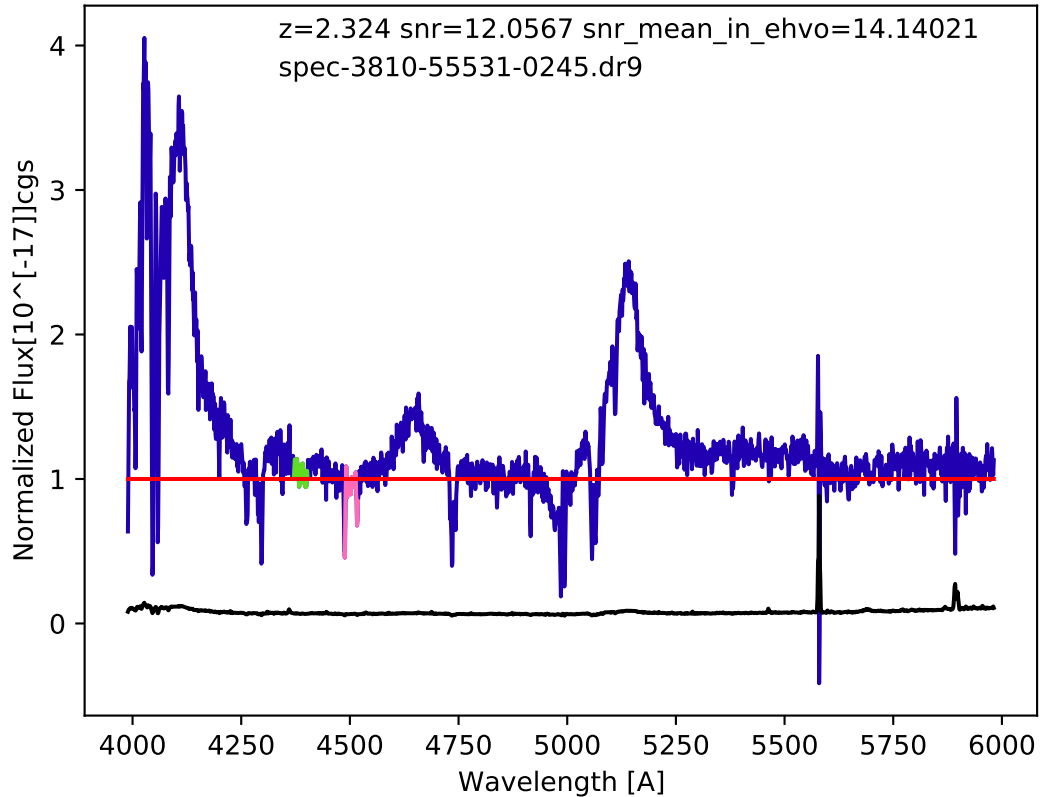
# Normalized Data vs. Normalized Error

$z=3.015$   $\text{snr}=25.3514$   $\text{snr\_mean\_in\_ehvo}=20.59507$   
spec-3810-55531-0104.dr9



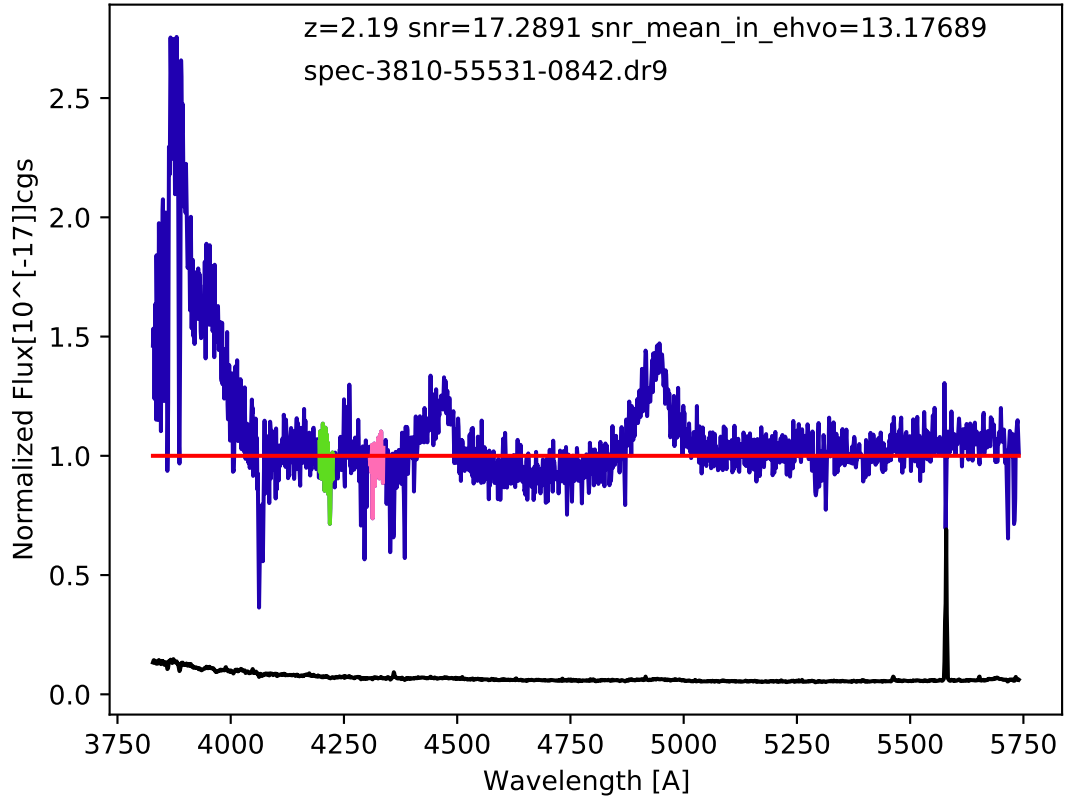
## Normalized Data vs. Normalized Error

$z=2.324$   $\text{snr}=12.0567$   $\text{snr\_mean\_in\_ehvo}=14.14021$   
spec-3810-55531-0245.dr9



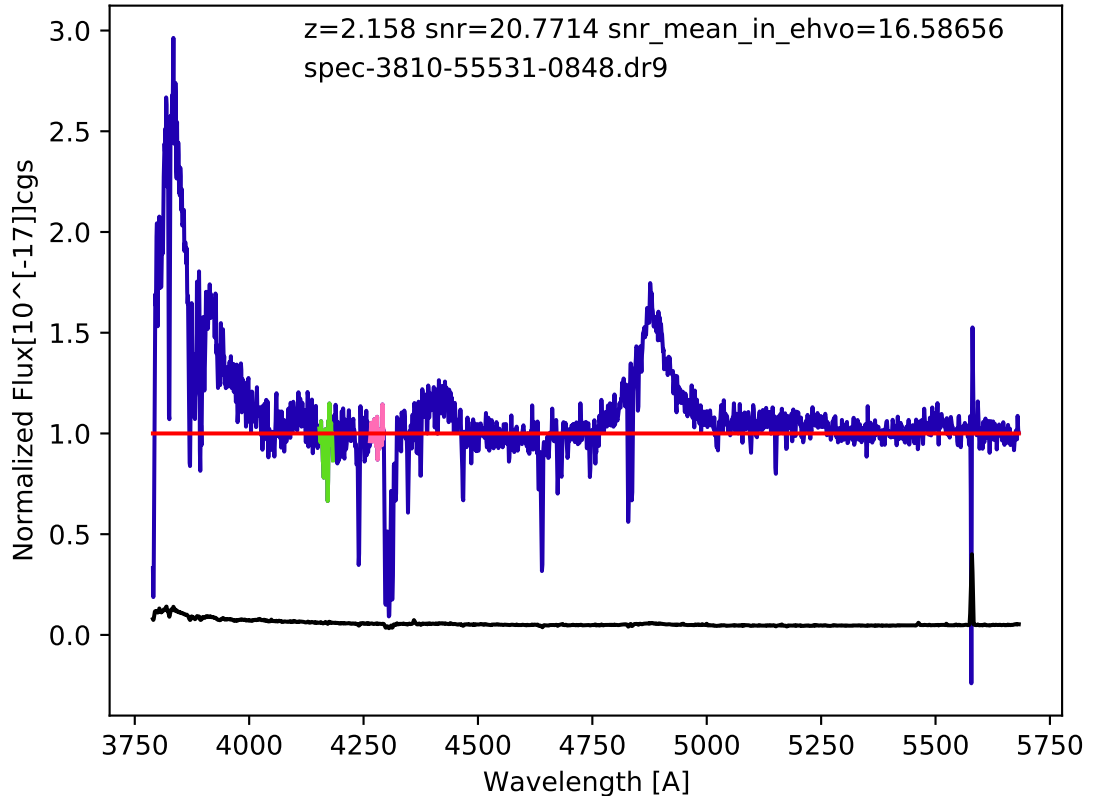
# Normalized Data vs. Normalized Error

z=2.19 snr=17.2891 snr\_mean\_in\_ehvo=13.17689  
spec-3810-55531-0842.dr9



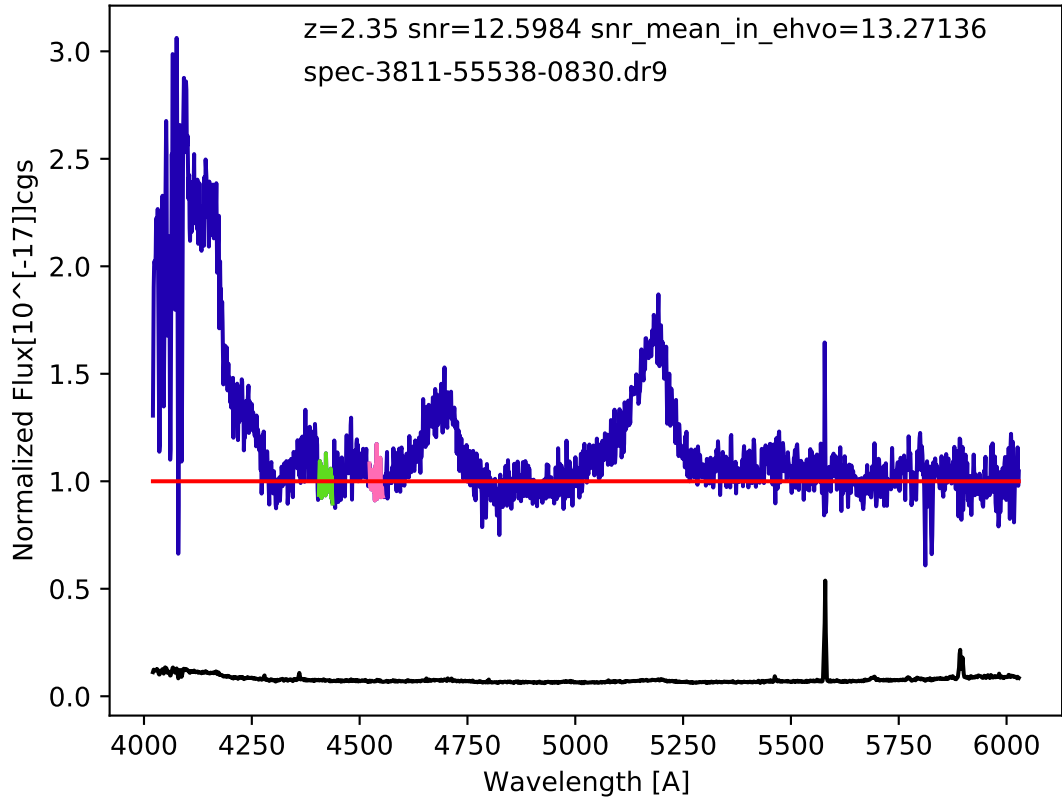
# Normalized Data vs. Normalized Error

$z=2.158$   $snr=20.7714$   $snr\_mean\_in\_ehvo=16.58656$   
spec-3810-55531-0848.dr9



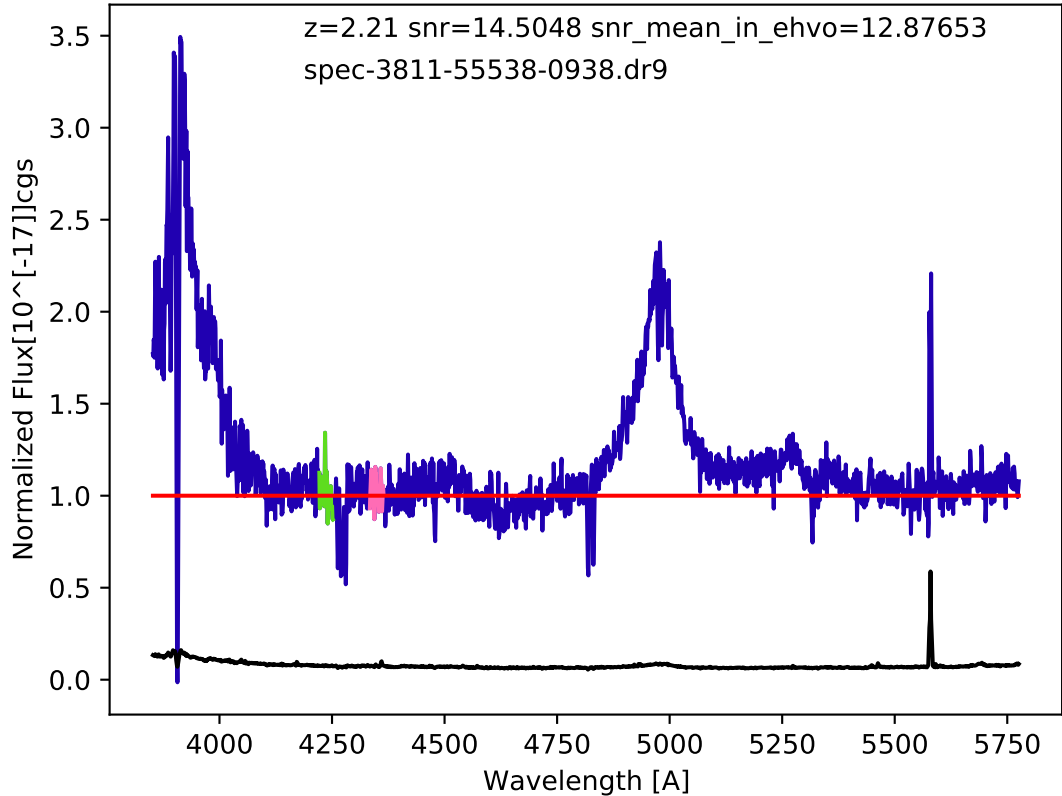
## Normalized Data vs. Normalized Error

$z=2.35$   $\text{snr}=12.5984$   $\text{snr\_mean\_in\_ehvo}=13.27136$   
spec-3811-55538-0830.dr9



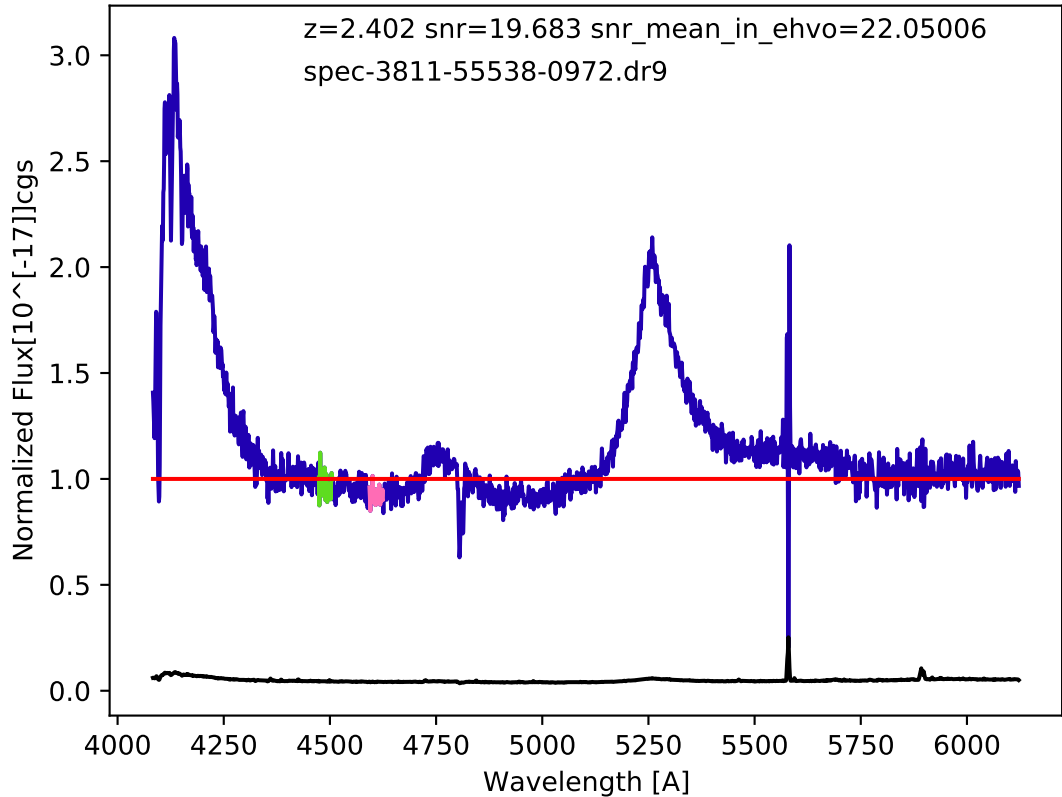
# Normalized Data vs. Normalized Error

z=2.21 snr=14.5048 snr\_mean\_in\_ehvo=12.87653  
spec-3811-55538-0938.dr9



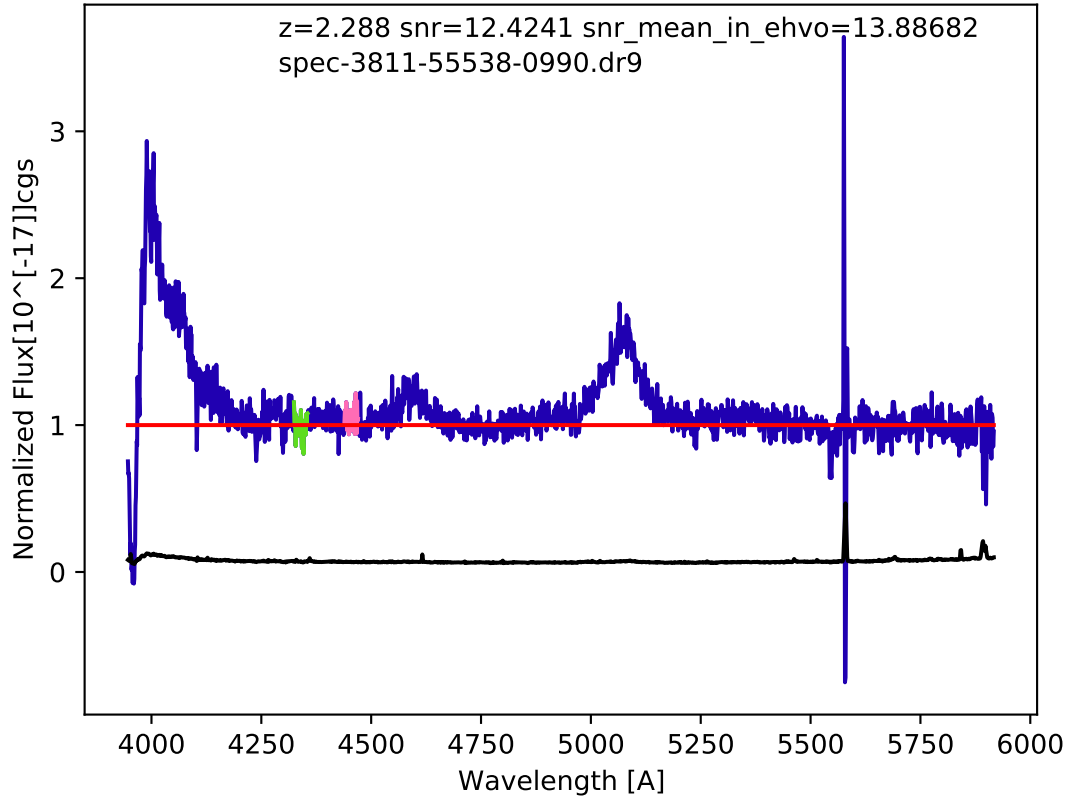
# Normalized Data vs. Normalized Error

z=2.402 snr=19.683 snr\_mean\_in\_ehvo=22.05006  
spec-3811-55538-0972.dr9



# Normalized Data vs. Normalized Error

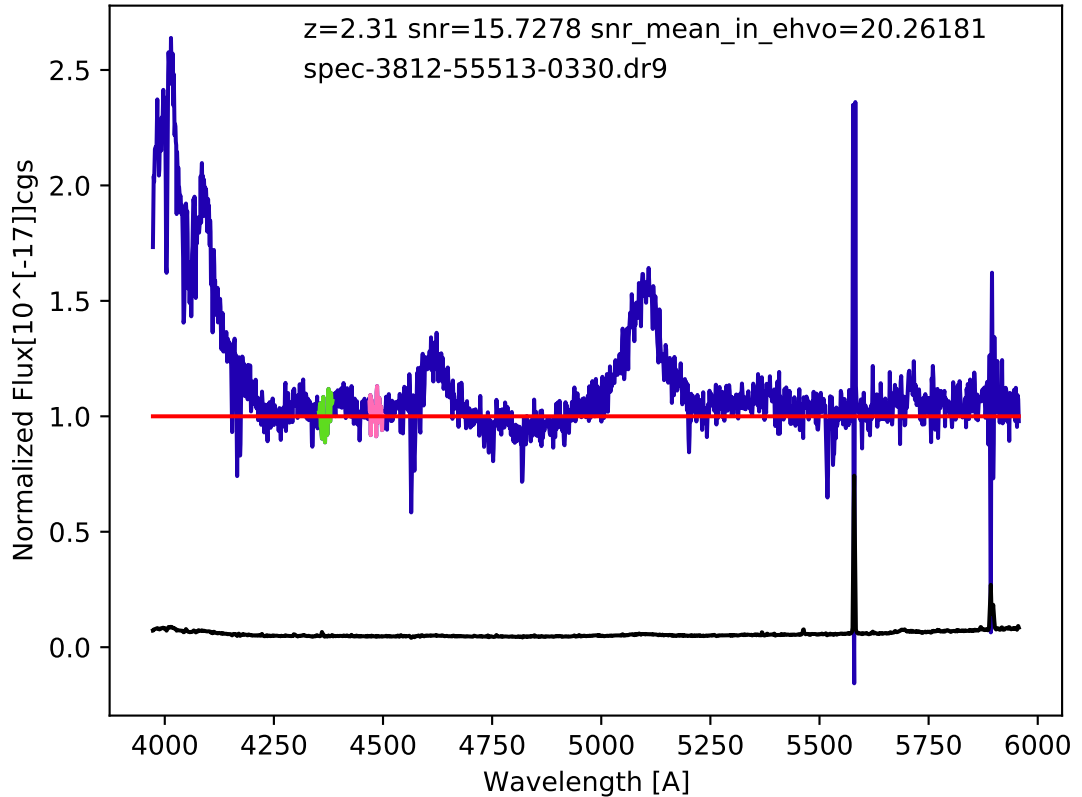
z=2.288 snr=12.4241 snr\_mean\_in\_ehvo=13.88682  
spec-3811-55538-0990.dr9



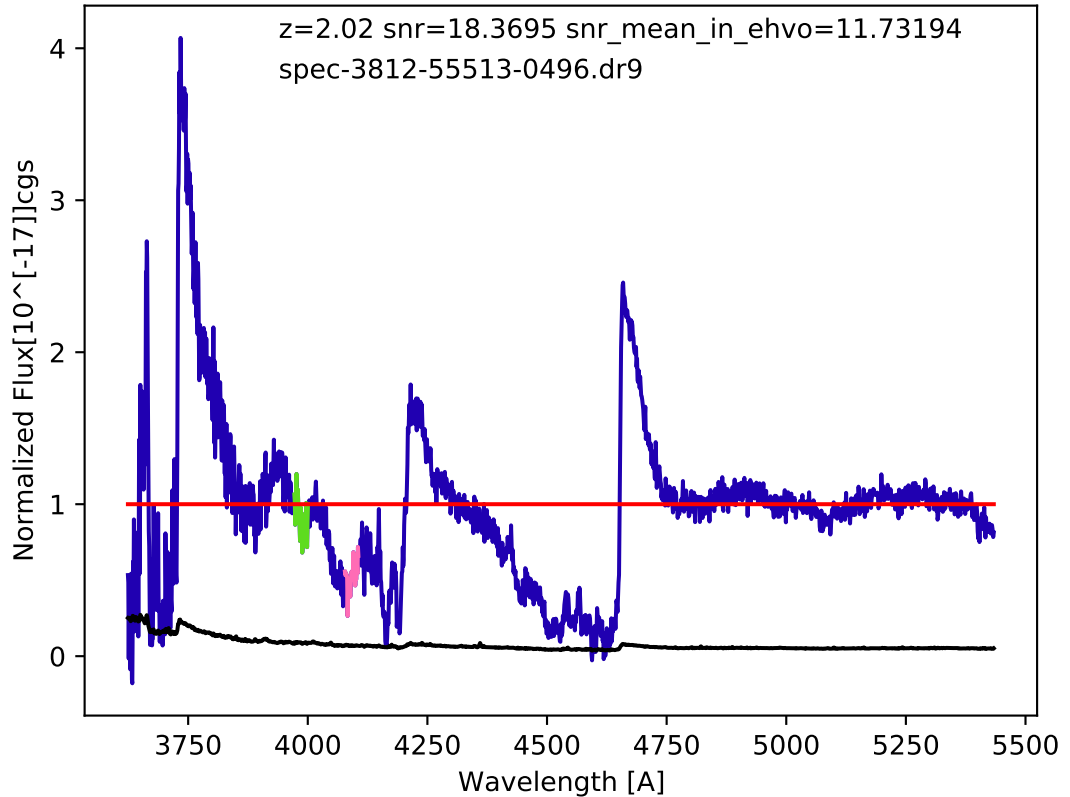


# Normalized Data vs. Normalized Error

z=2.31 snr=15.7278 snr\_mean\_in\_ehvo=20.26181  
spec-3812-55513-0330.dr9

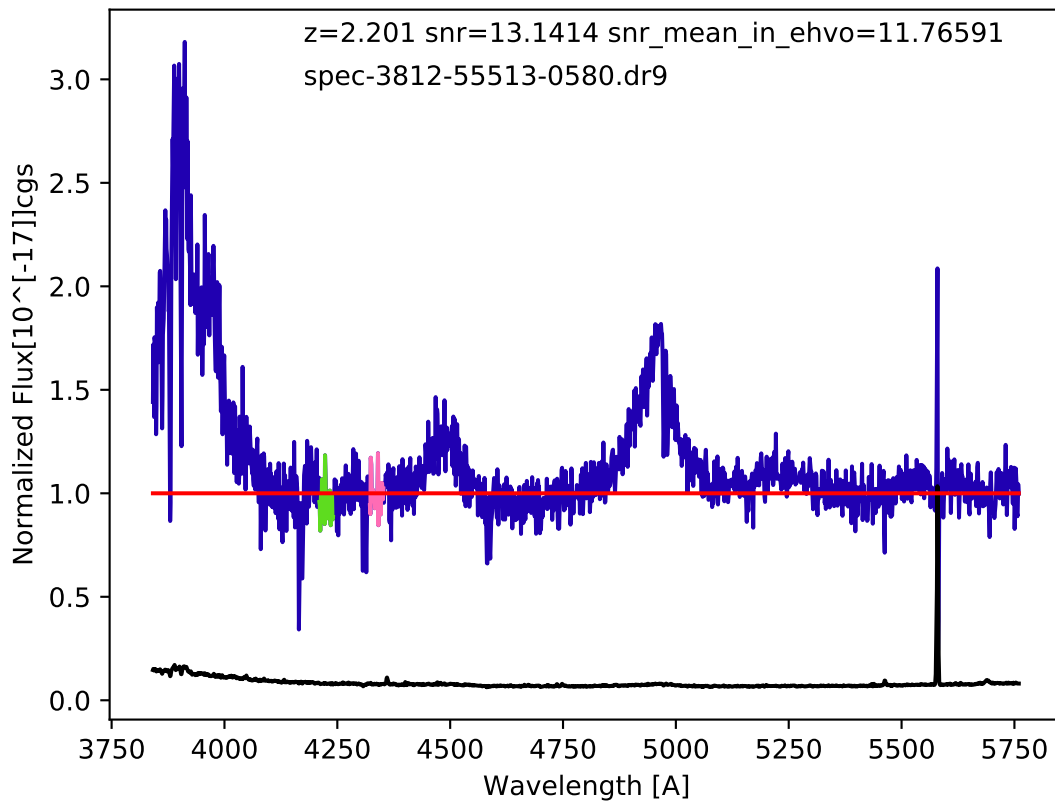


## Normalized Data vs. Normalized Error

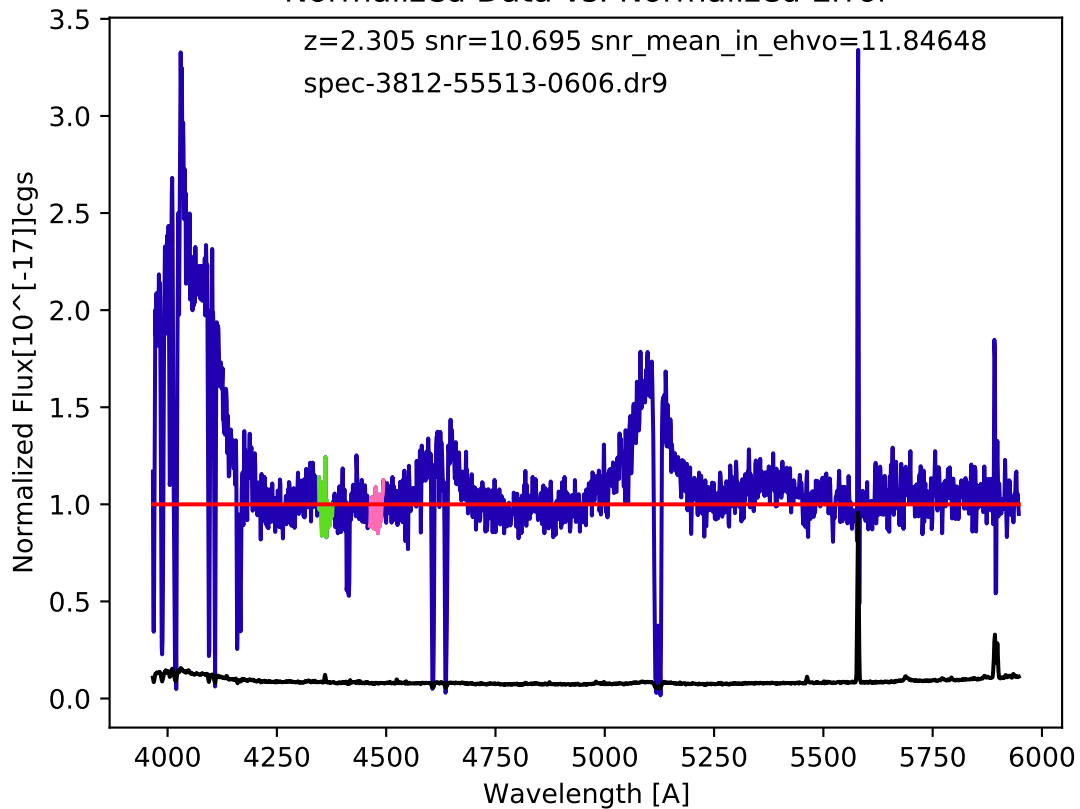


## Normalized Data vs. Normalized Error

z=2.201 snr=13.1414 snr\_mean\_in\_ehvo=11.76591  
spec-3812-55513-0580.dr9

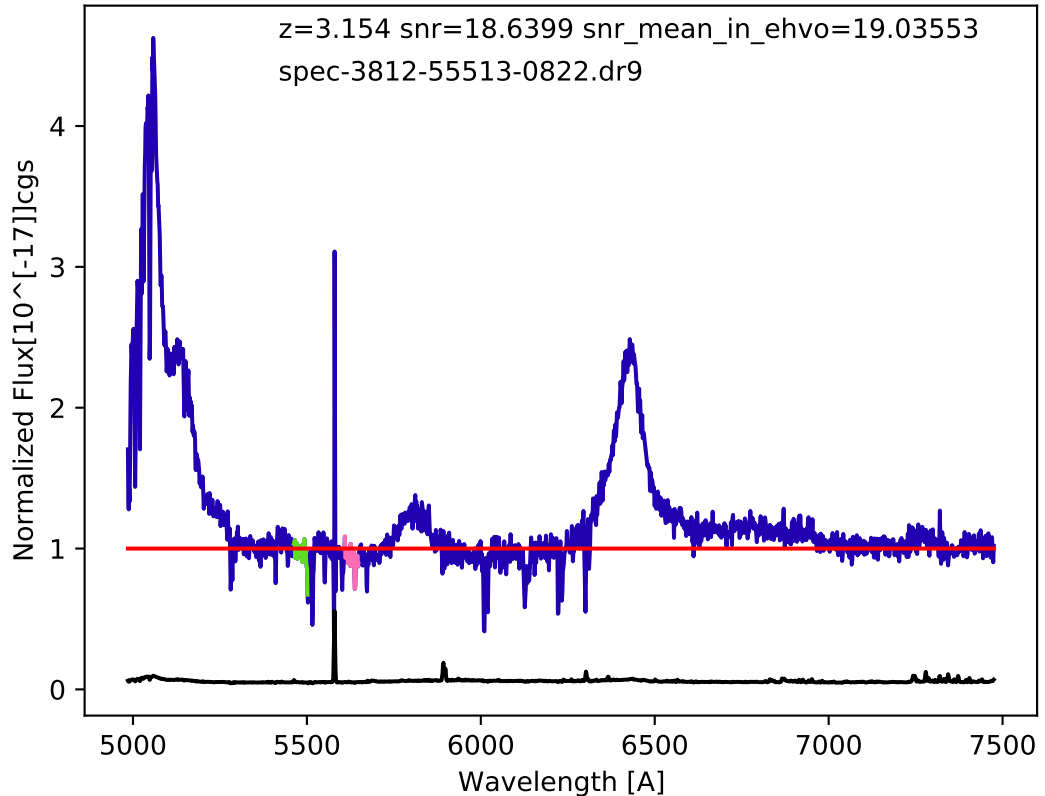


# Normalized Data vs. Normalized Error

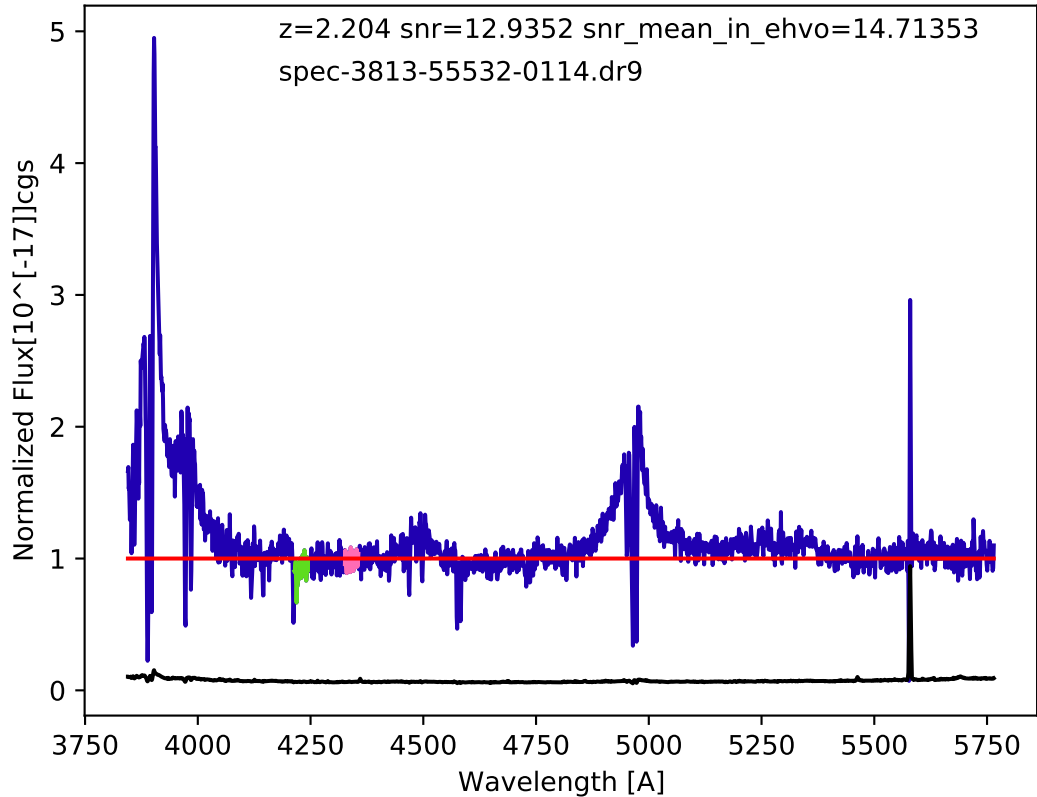


# Normalized Data vs. Normalized Error

z=3.154 snr=18.6399 snr\_mean\_in\_ehvo=19.03553  
spec-3812-55513-0822.dr9

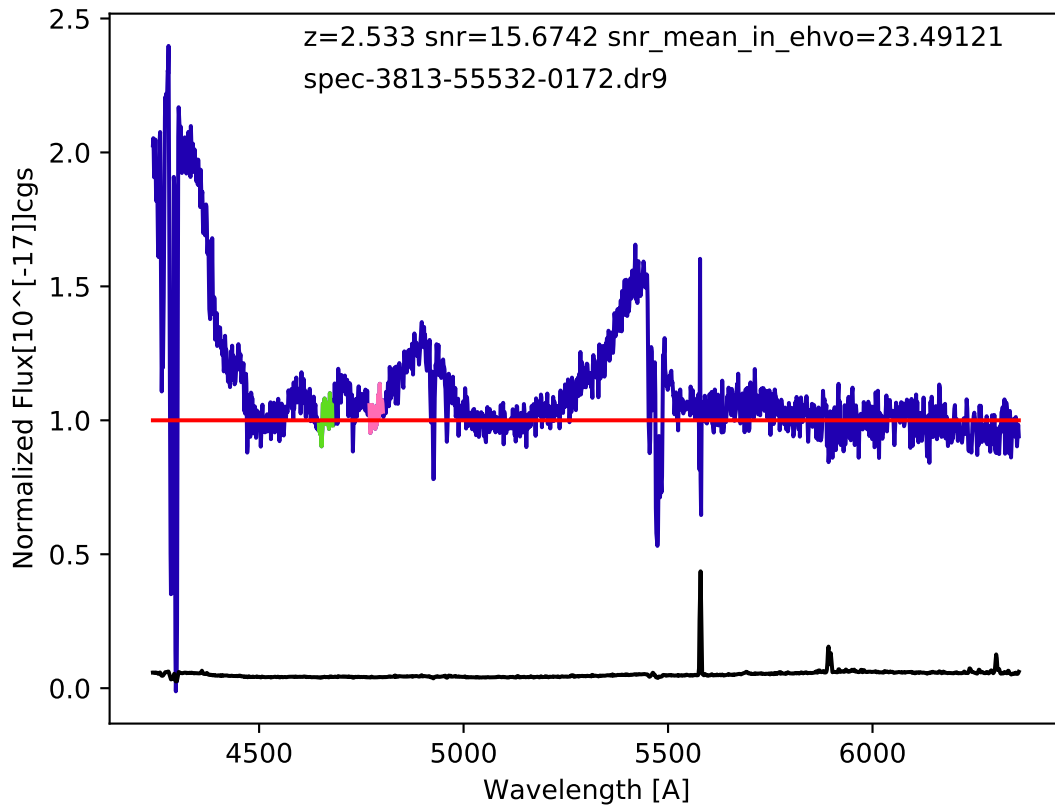


## Normalized Data vs. Normalized Error

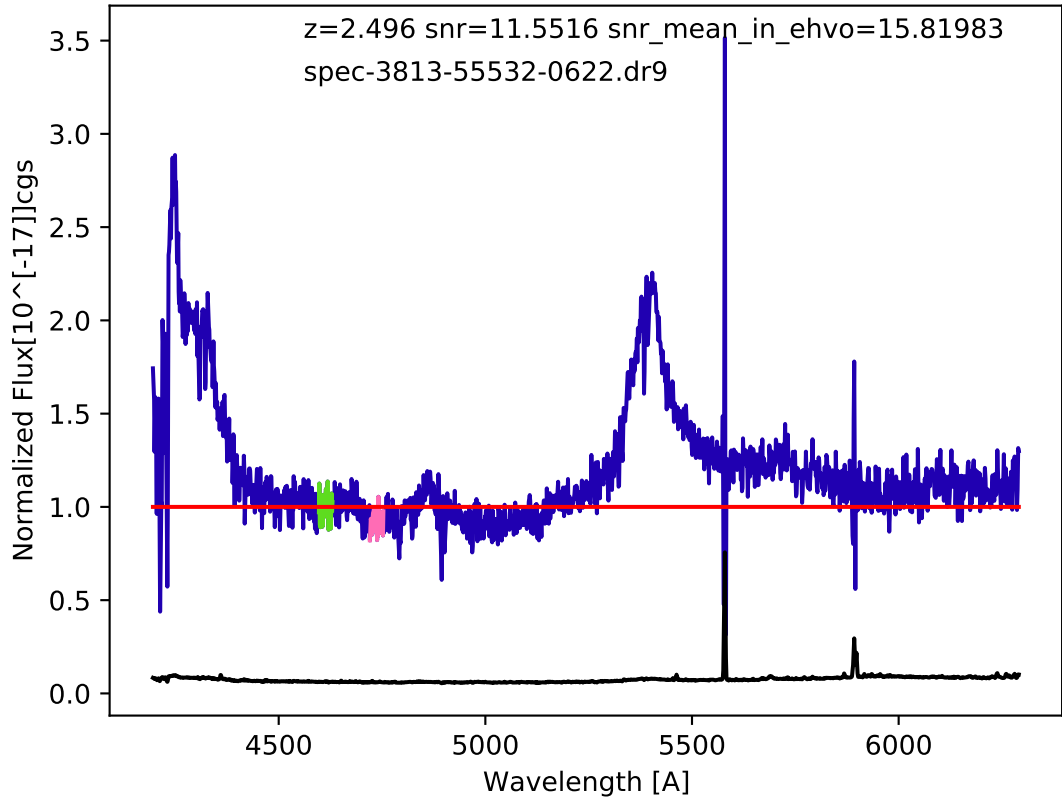


# Normalized Data vs. Normalized Error

z=2.533 snr=15.6742 snr\_mean\_in\_ehvo=23.49121  
spec-3813-55532-0172.dr9



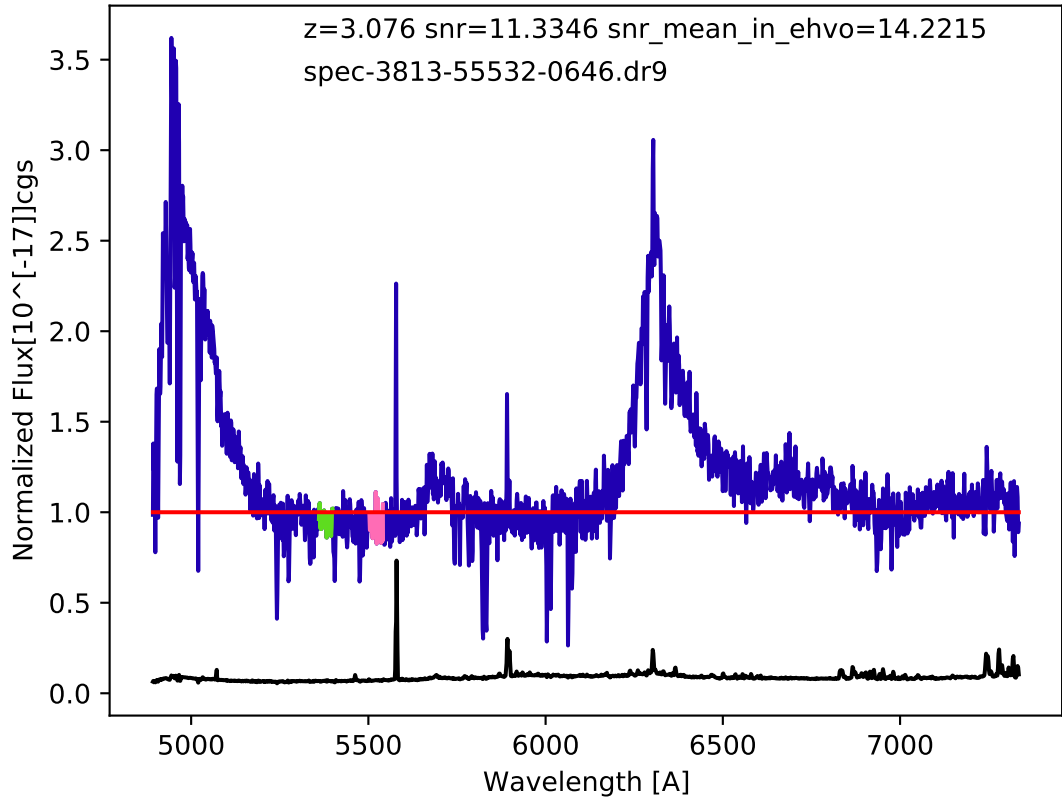
# Normalized Data vs. Normalized Error





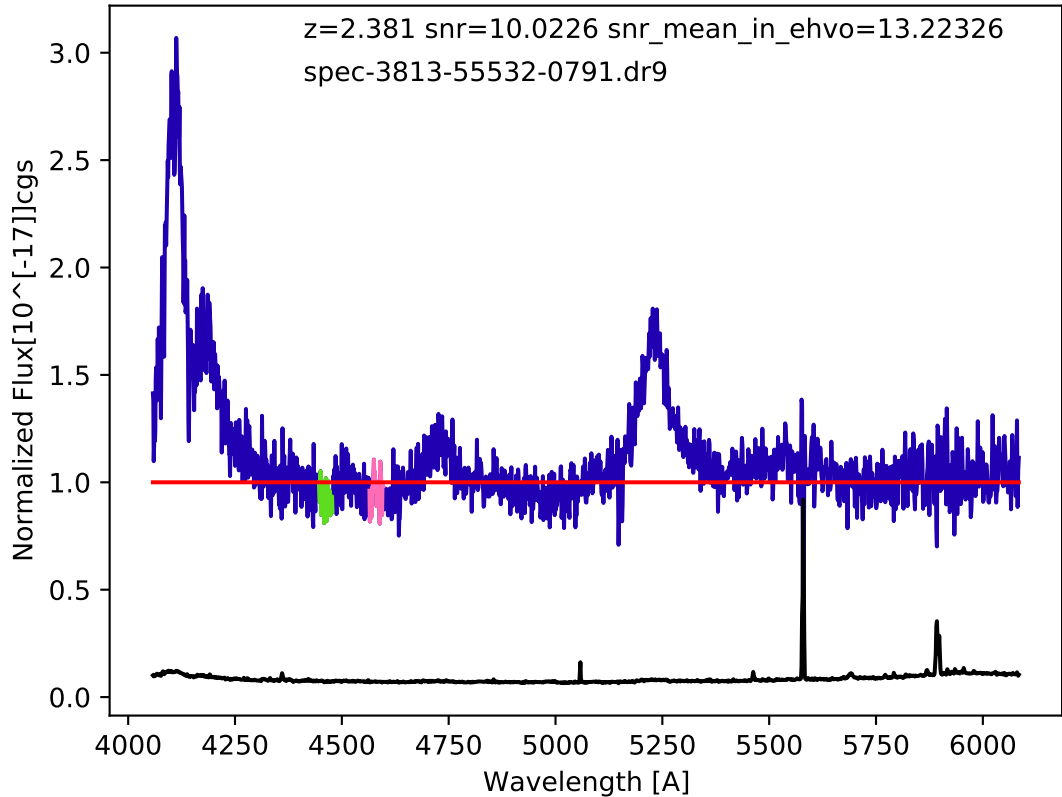
# Normalized Data vs. Normalized Error

z=3.076 snr=11.3346 snr\_mean\_in\_ehvo=14.2215  
spec-3813-55532-0646.dr9

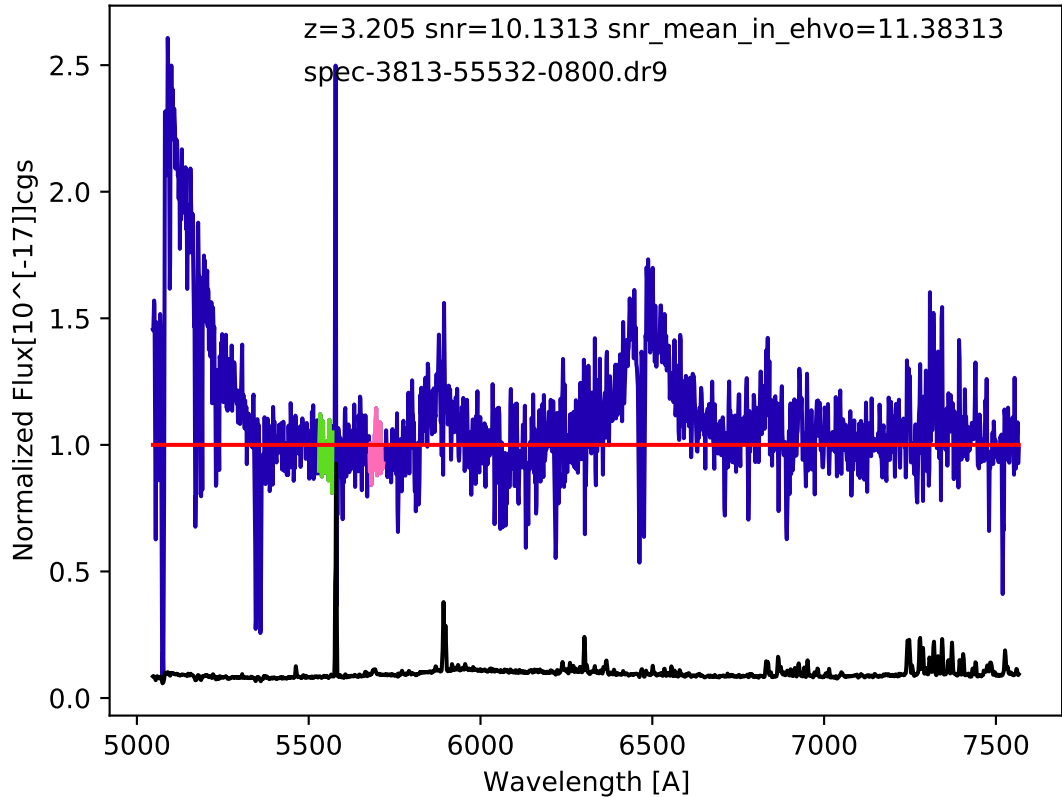


# Normalized Data vs. Normalized Error

z=2.381 snr=10.0226 snr\_mean\_in\_ehvo=13.22326  
spec-3813-55532-0791.dr9

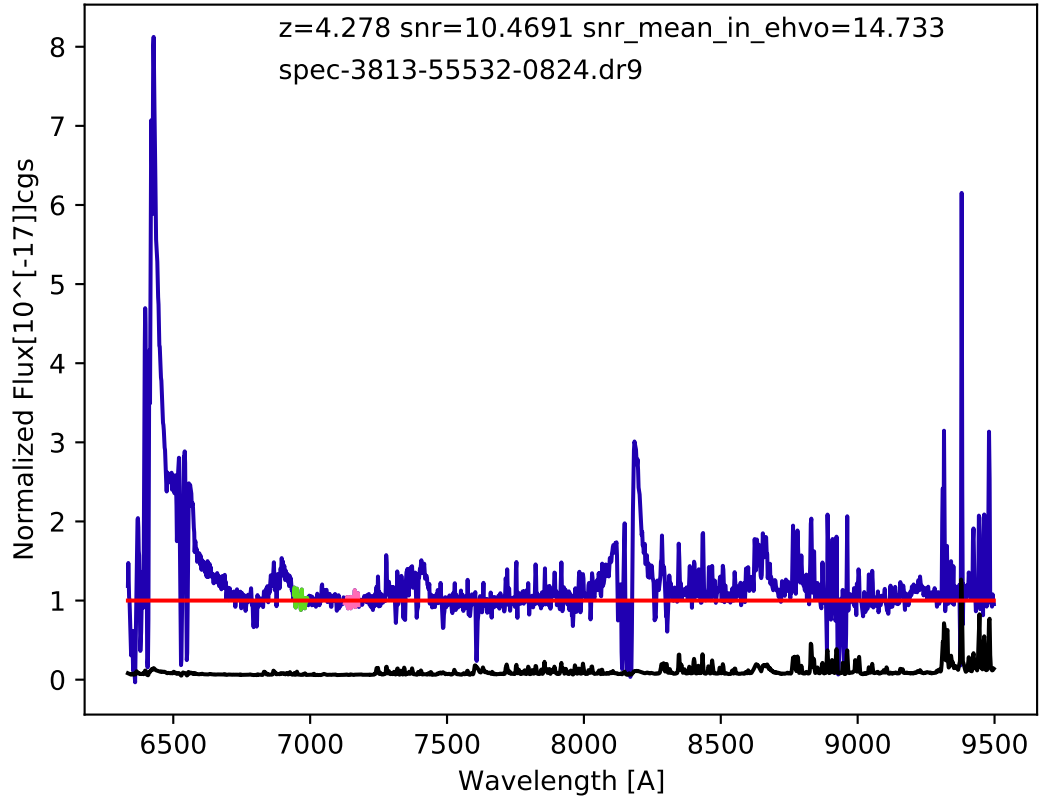


# Normalized Data vs. Normalized Error



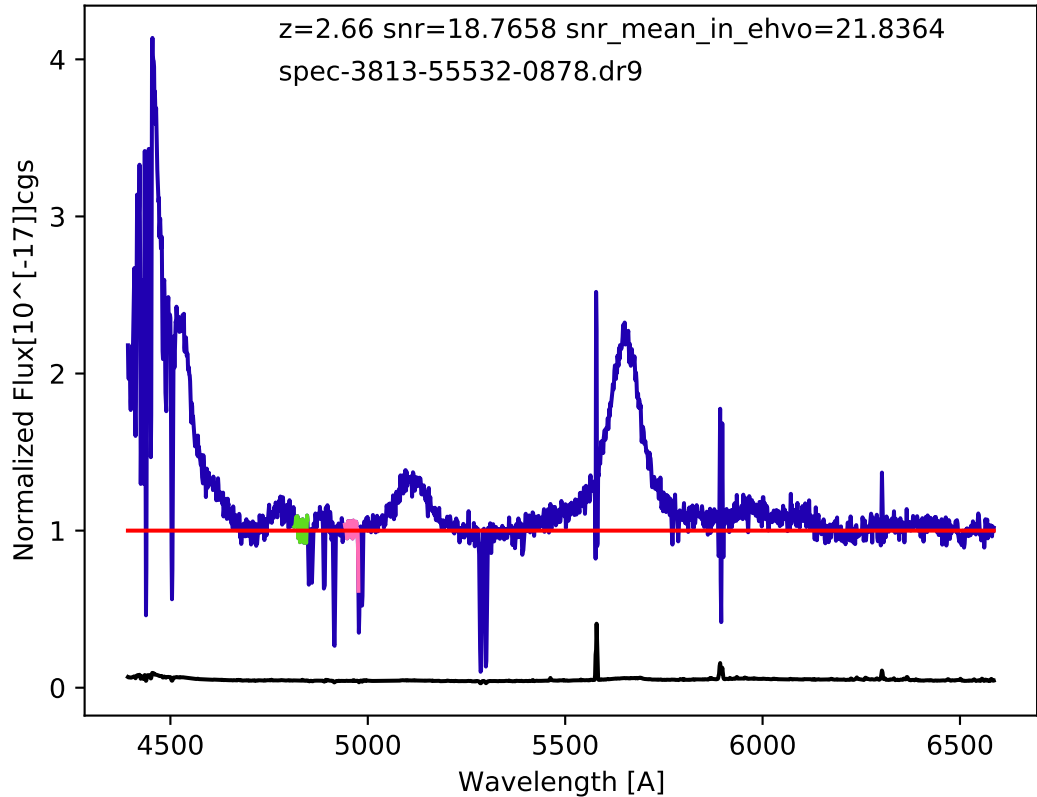
# Normalized Data vs. Normalized Error

z=4.278 snr=10.4691 snr\_mean\_in\_ehvo=14.733  
spec-3813-55532-0824.dr9



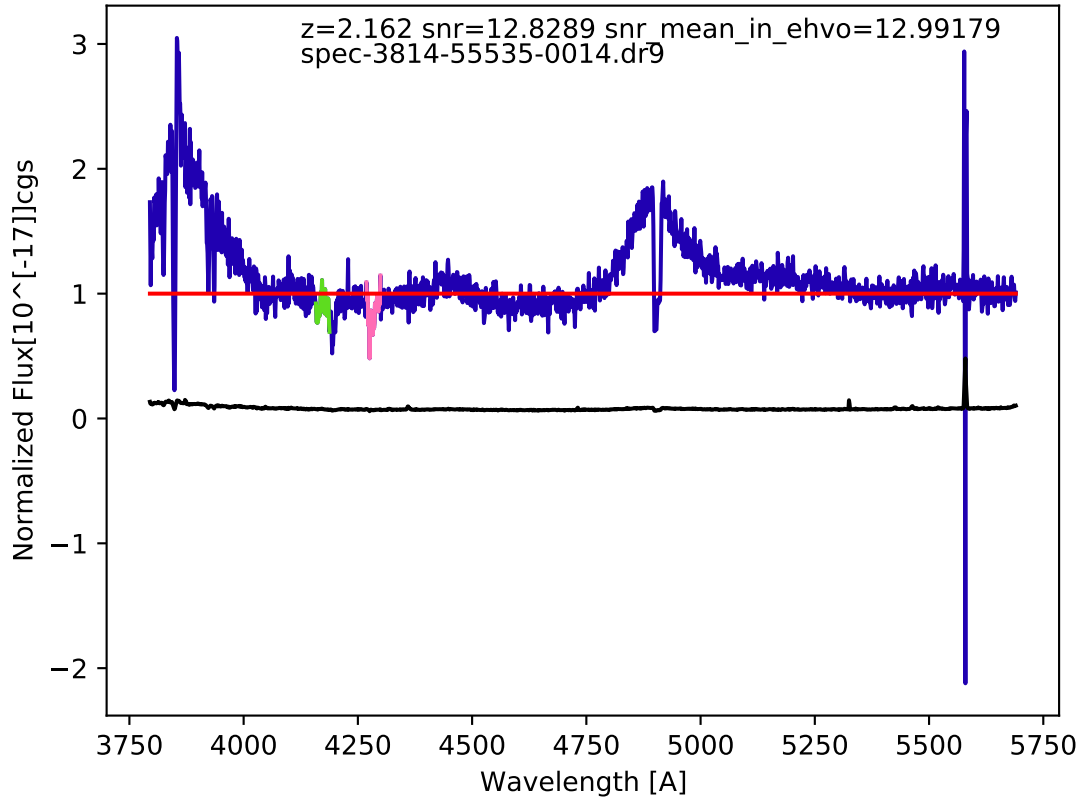
## Normalized Data vs. Normalized Error

z=2.66 snr=18.7658 snr\_mean\_in\_ehvo=21.8364  
spec-3813-55532-0878.dr9

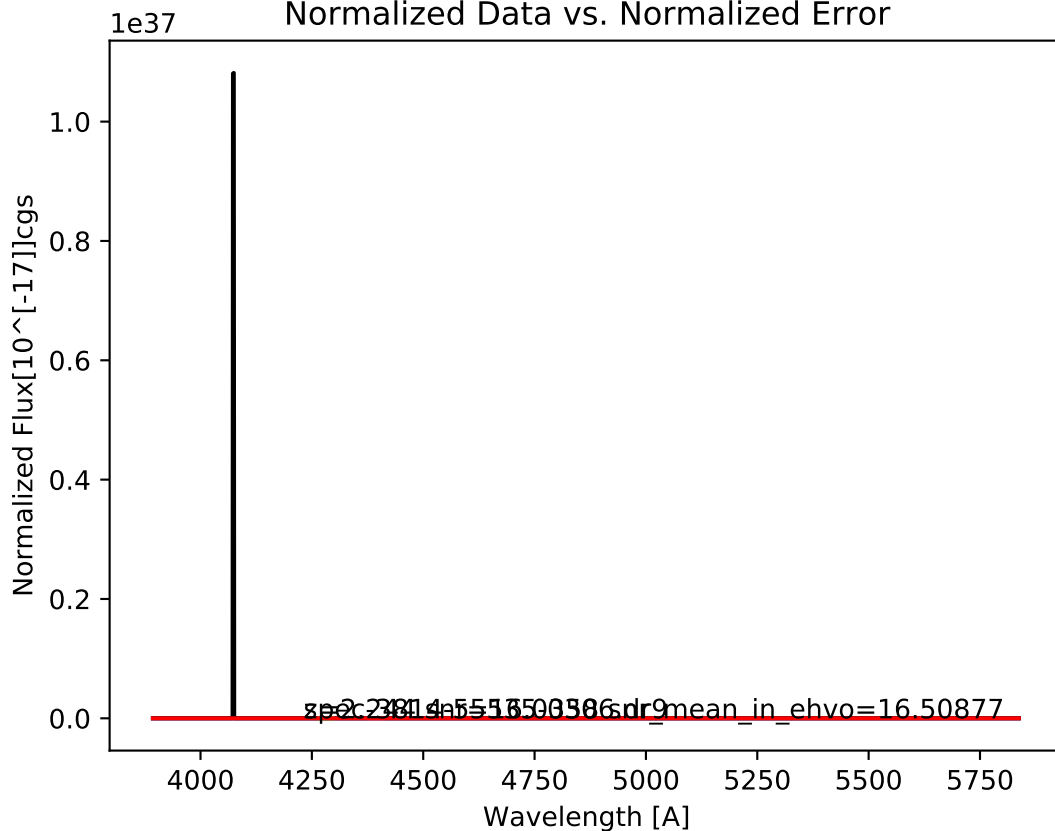


# Normalized Data vs. Normalized Error

z=2.162 snr=12.8289 snr\_mean\_in\_ehvo=12.99179  
spec-3814-55535-0014.dr9

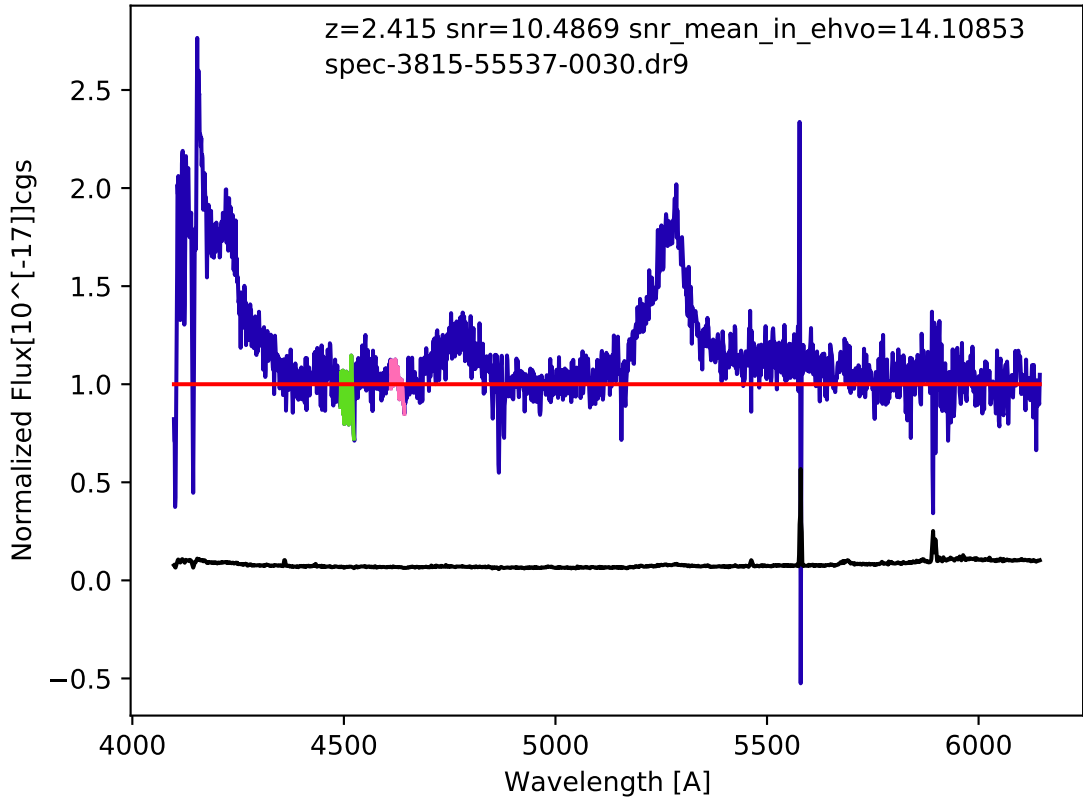


# Normalized Data vs. Normalized Error



# Normalized Data vs. Normalized Error

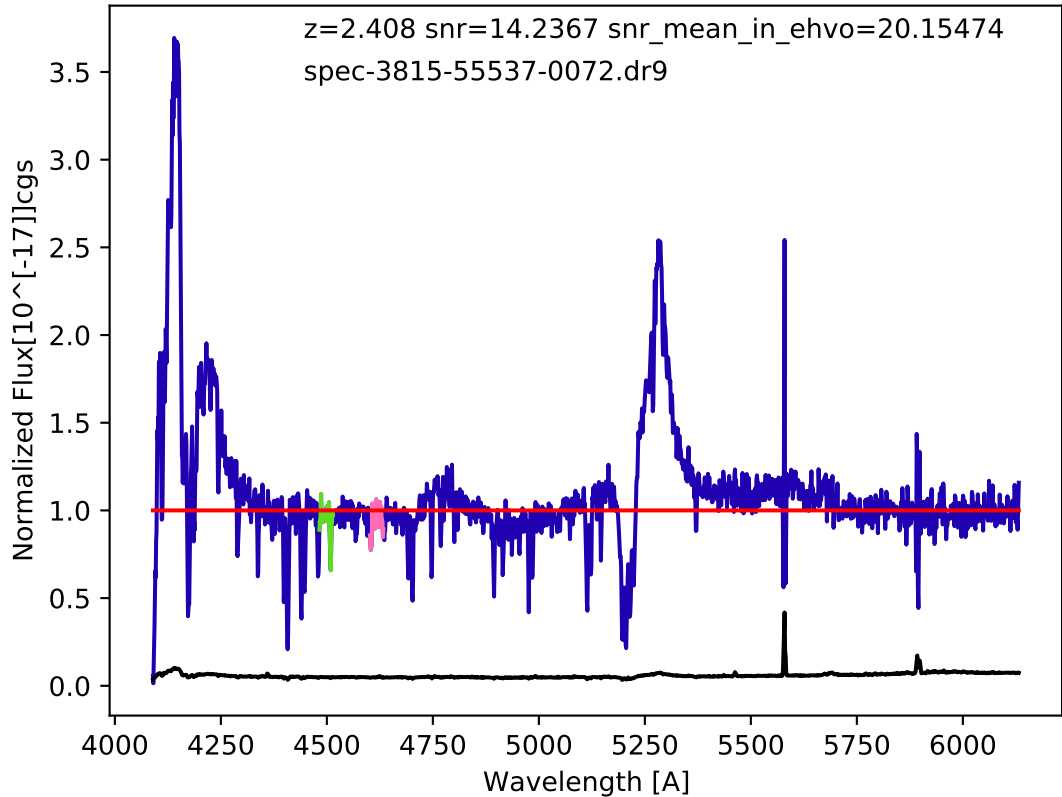
z=2.415 snr=10.4869 snr\_mean\_in\_ehvo=14.10853  
spec-3815-55537-0030.dr9





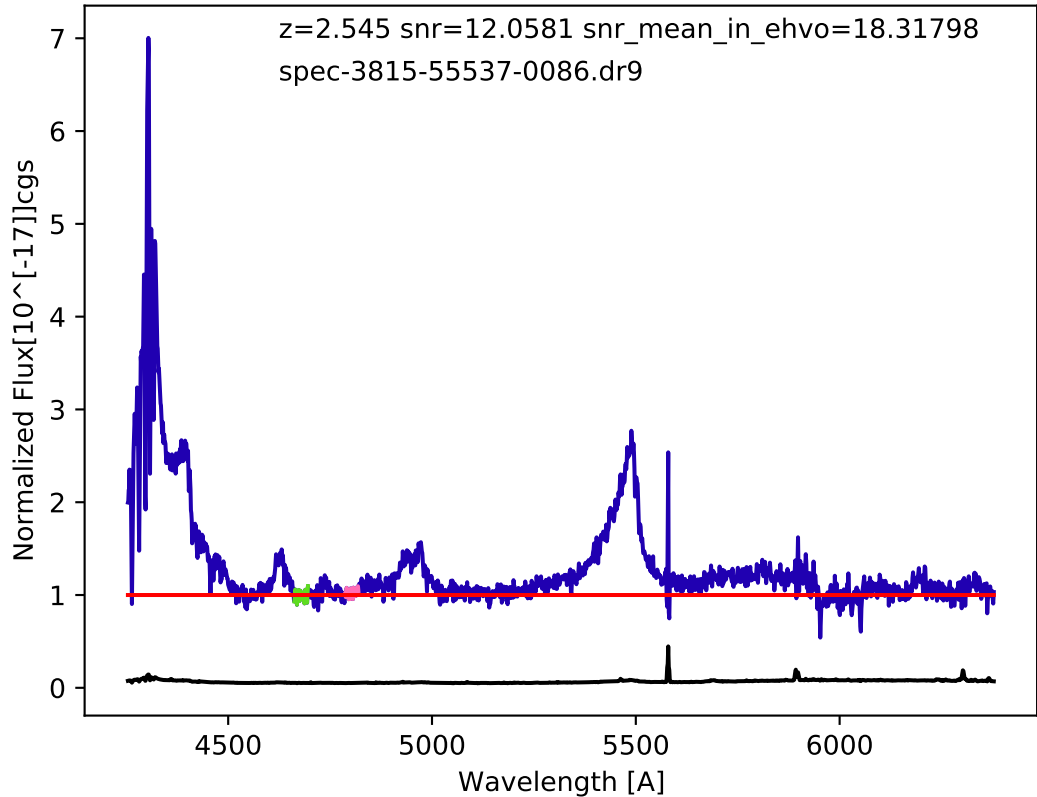
# Normalized Data vs. Normalized Error

z=2.408 snr=14.2367 snr\_mean\_in\_ehvo=20.15474  
spec-3815-55537-0072.dr9



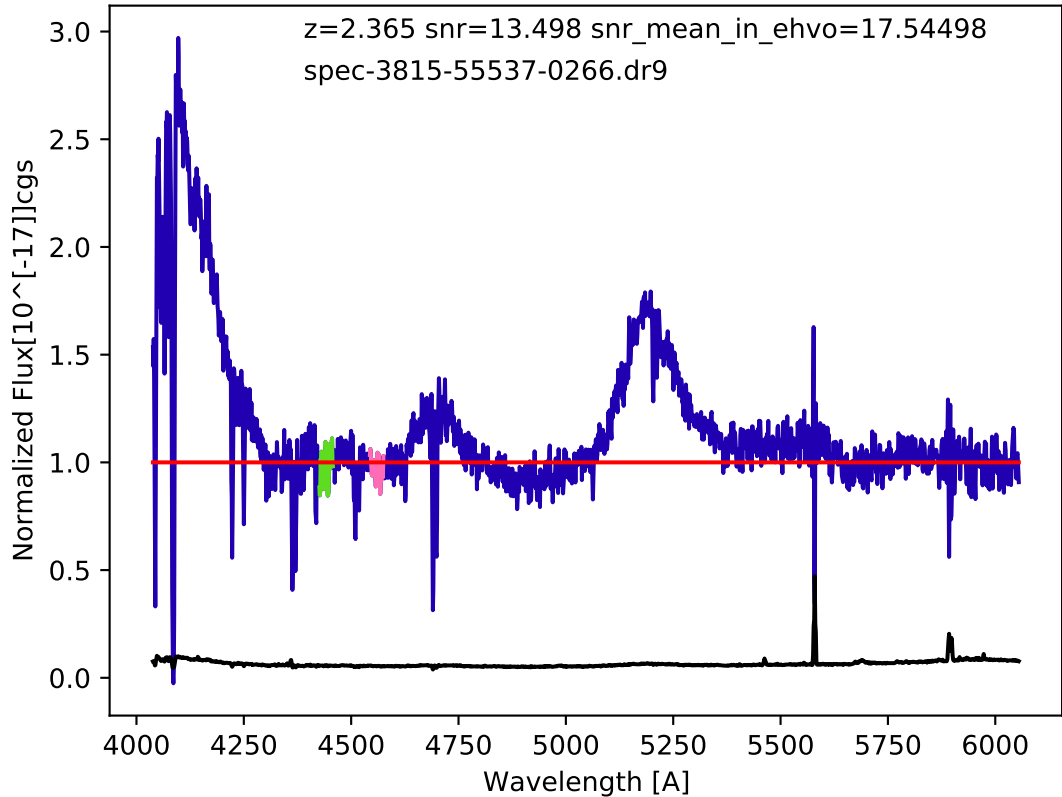
## Normalized Data vs. Normalized Error

z=2.545 snr=12.0581 snr\_mean\_in\_ehvo=18.31798  
spec-3815-55537-0086.dr9



## Normalized Data vs. Normalized Error

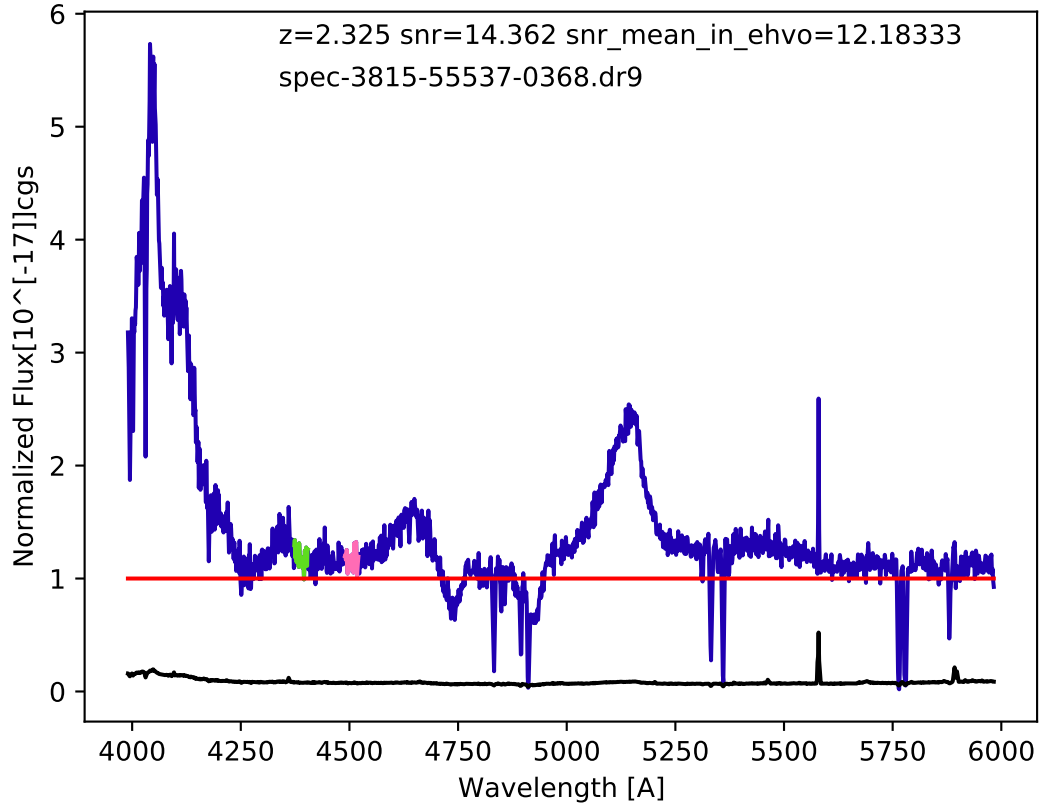
z=2.365 snr=13.498 snr\_mean\_in\_ehvo=17.54498  
spec-3815-55537-0266.dr9

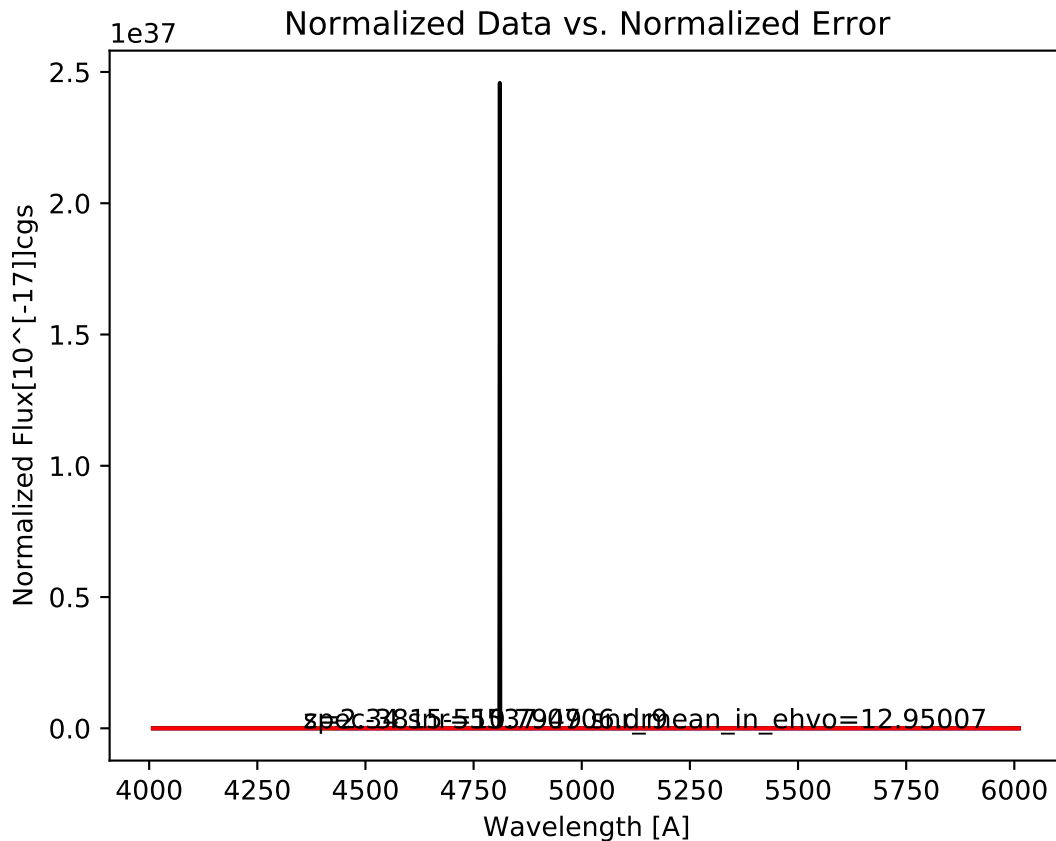


## Normalized Data vs. Normalized Error

$z=2.325$   $\text{snr}=14.362$   $\text{snr\_mean\_in\_ehvo}=12.18333$

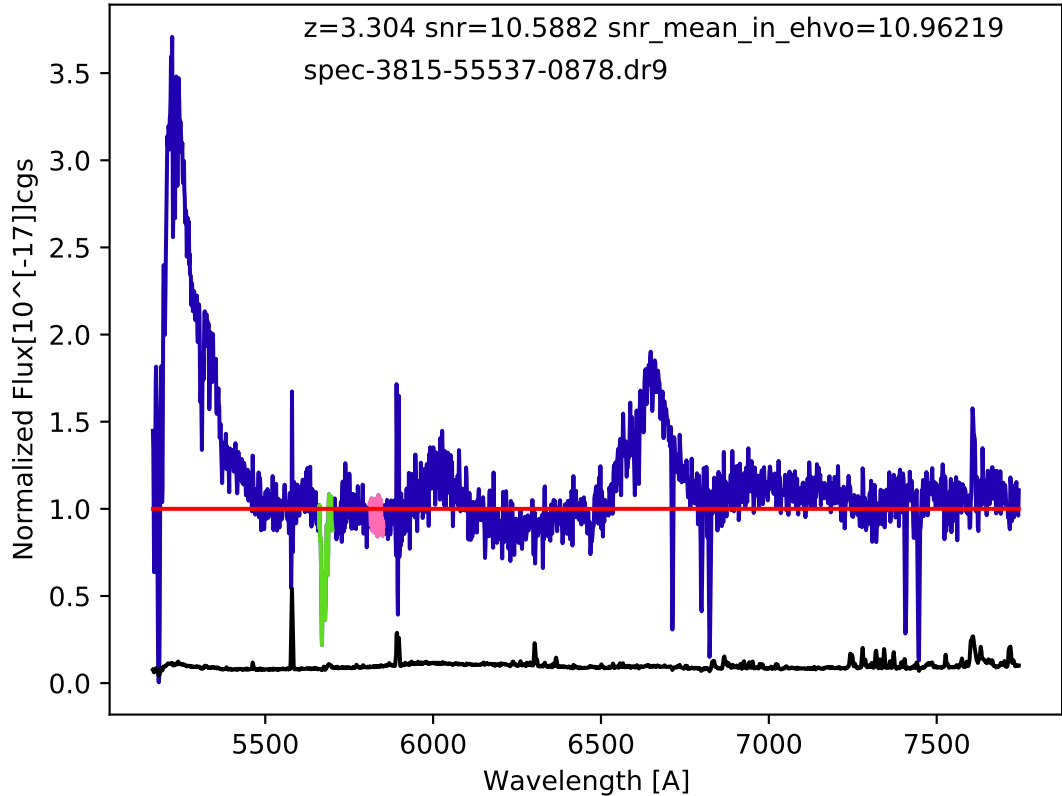
spec-3815-55537-0368.dr9





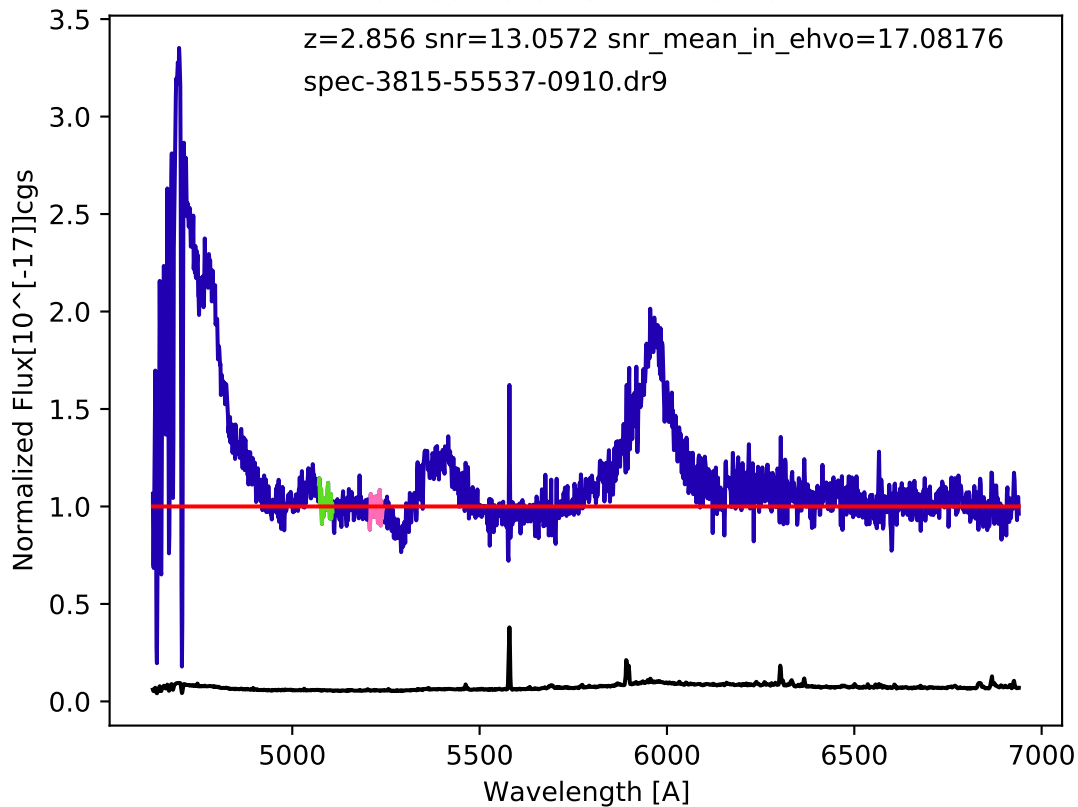
## Normalized Data vs. Normalized Error

$z=3.304$   $\text{snr}=10.5882$   $\text{snr\_mean\_in\_ehvo}=10.96219$   
spec-3815-55537-0878.dr9



# Normalized Data vs. Normalized Error

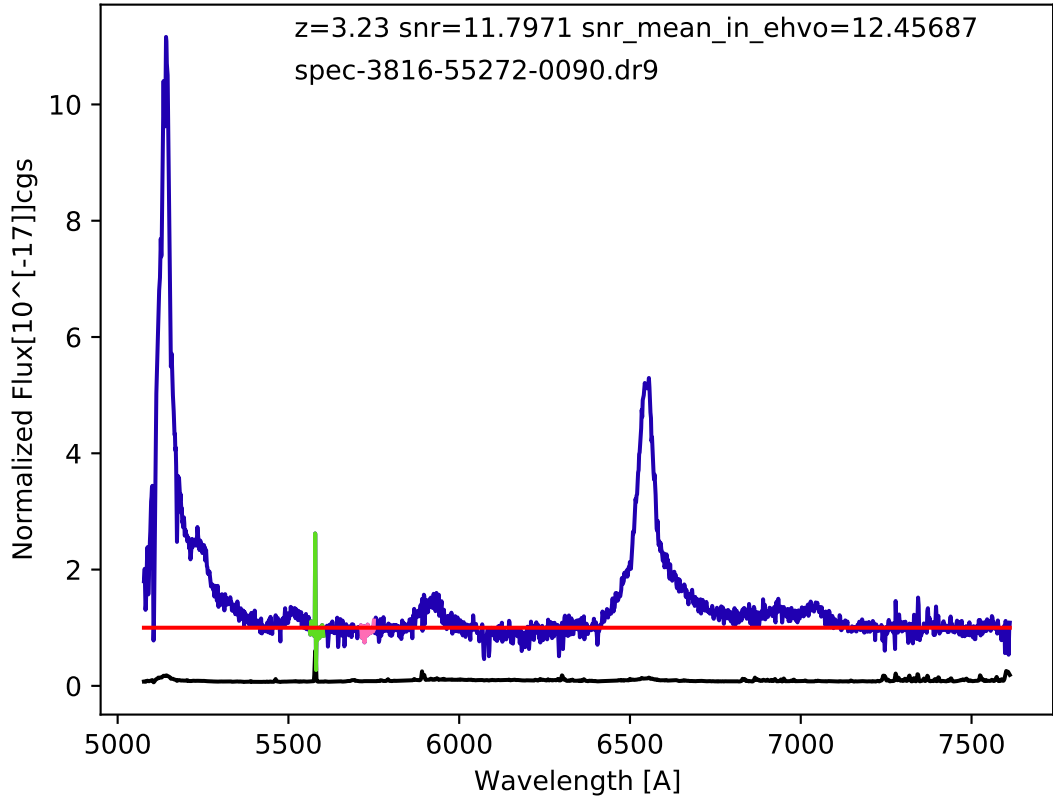
$z=2.856$   $\text{snr}=13.0572$   $\text{snr\_mean\_in\_ehvo}=17.08176$   
spec-3815-55537-0910.dr9



# Normalized Data vs. Normalized Error

z=3.23 snr=11.7971 snr\_mean\_in\_ehvo=12.45687

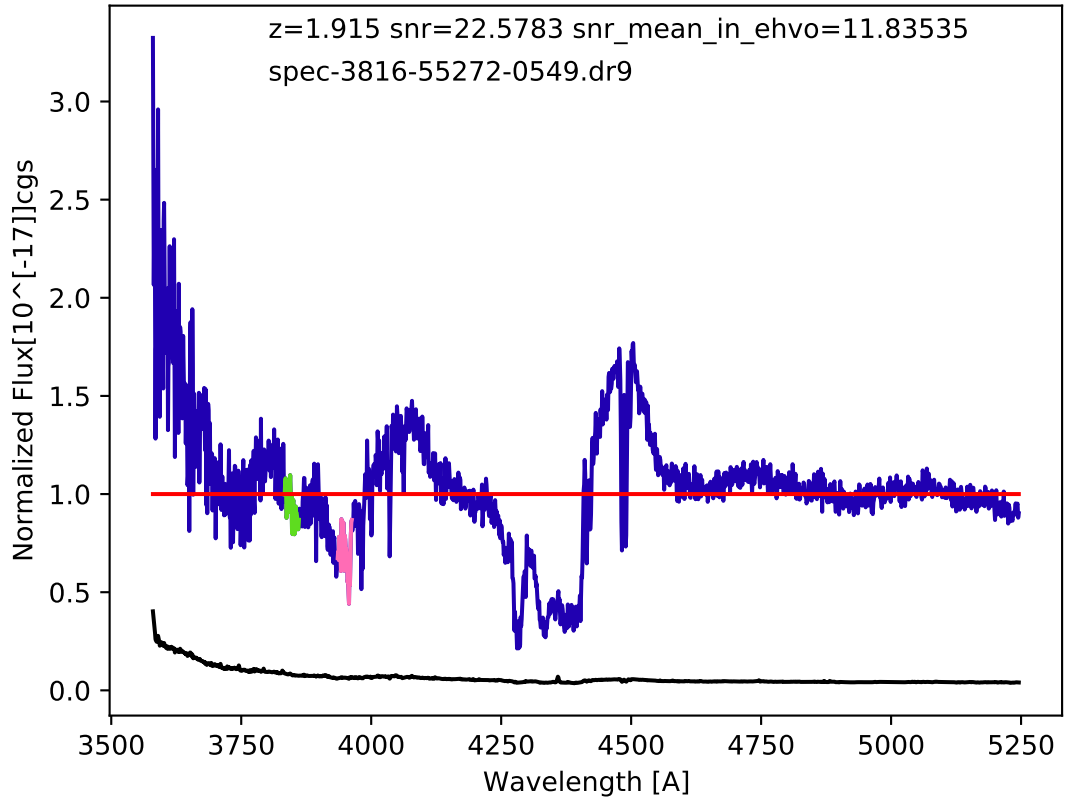
spec-3816-55272-0090.dr9



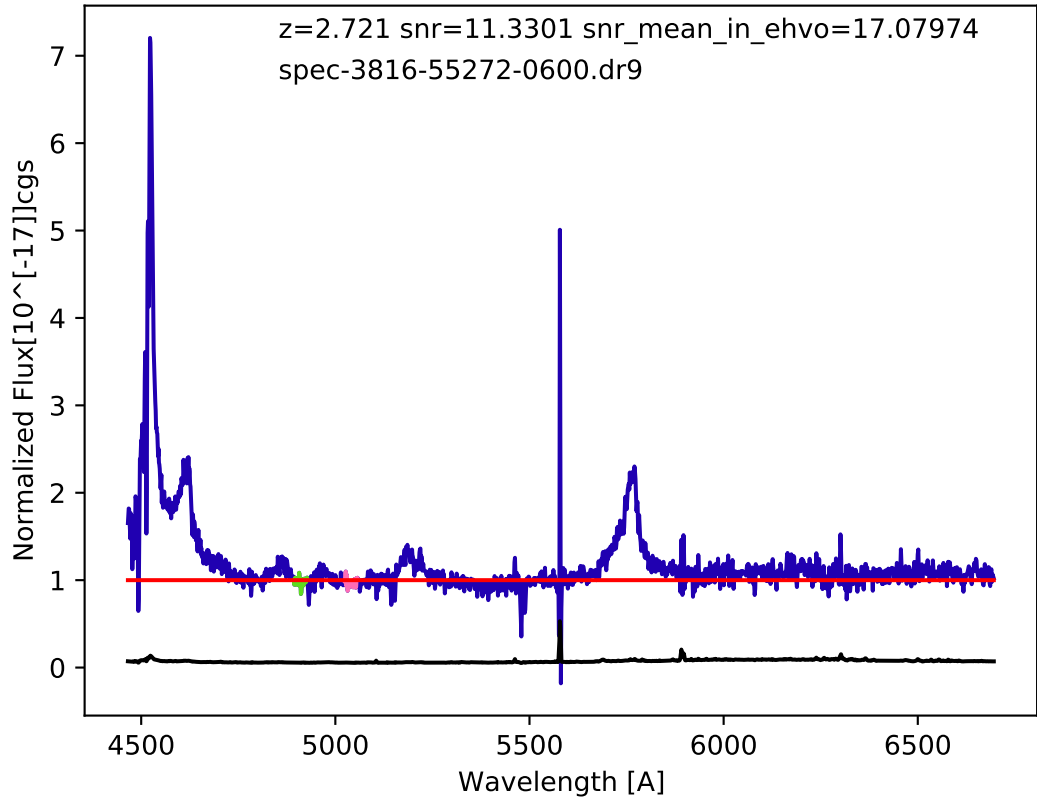


## Normalized Data vs. Normalized Error

$z=1.915$   $\text{snr}=22.5783$   $\text{snr\_mean\_in\_ehvo}=11.83535$   
spec-3816-55272-0549.dr9

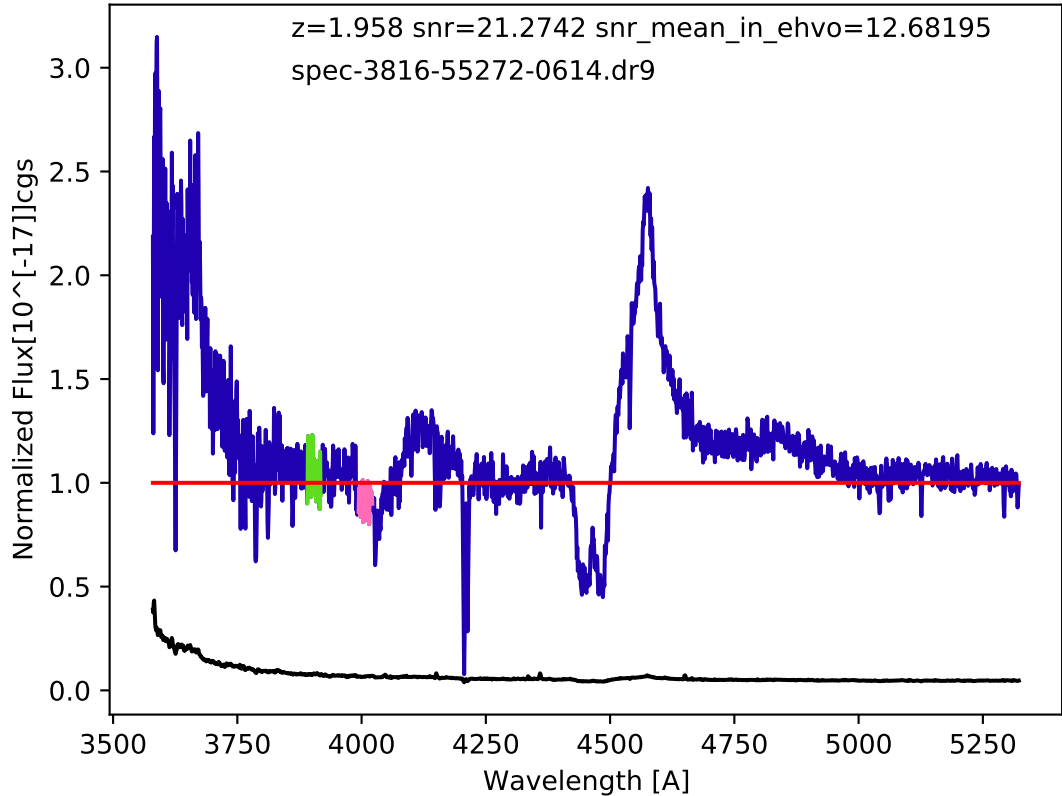


## Normalized Data vs. Normalized Error



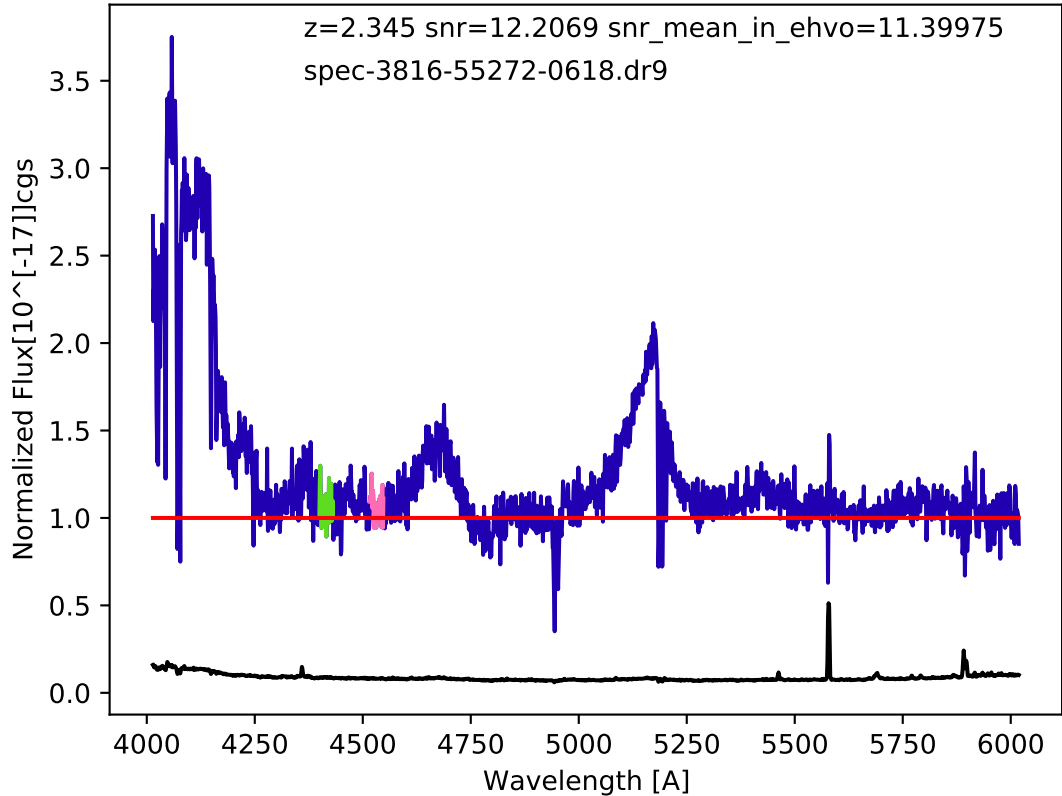
# Normalized Data vs. Normalized Error

$z=1.958$   $\text{snr}=21.2742$   $\text{snr\_mean\_in\_ehvo}=12.68195$   
spec-3816-55272-0614.dr9

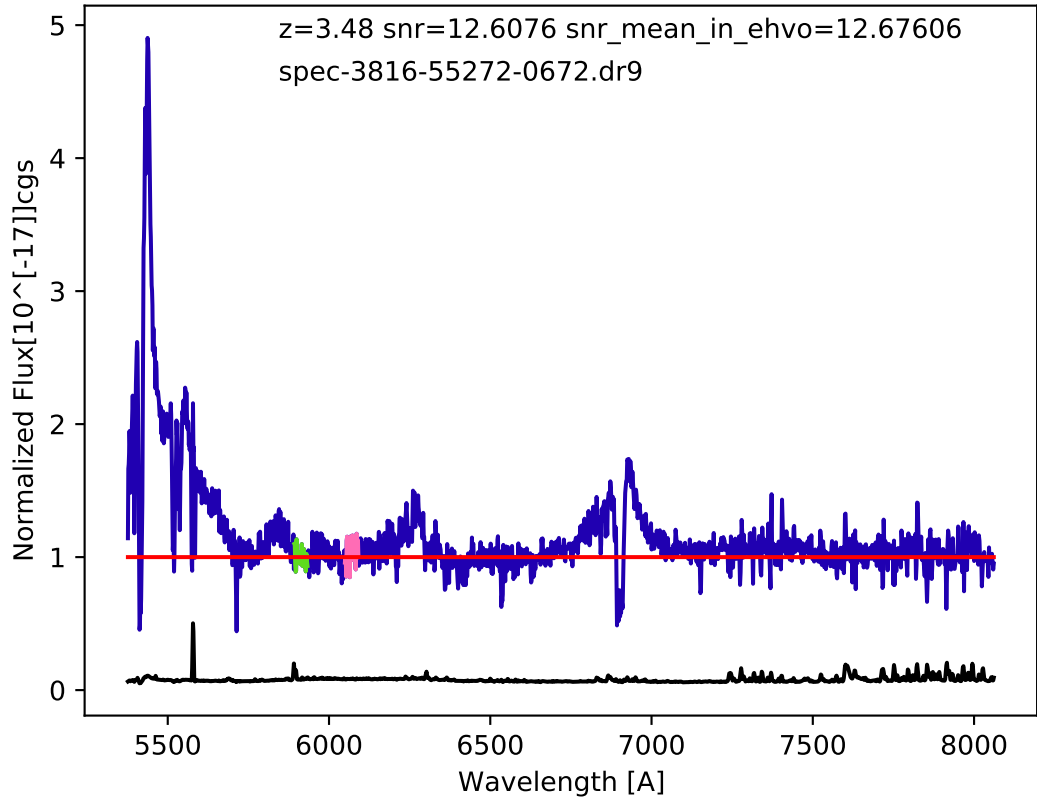


# Normalized Data vs. Normalized Error

$z=2.345$   $\text{snr}=12.2069$   $\text{snr\_mean\_in\_ehvo}=11.39975$   
spec-3816-55272-0618.dr9

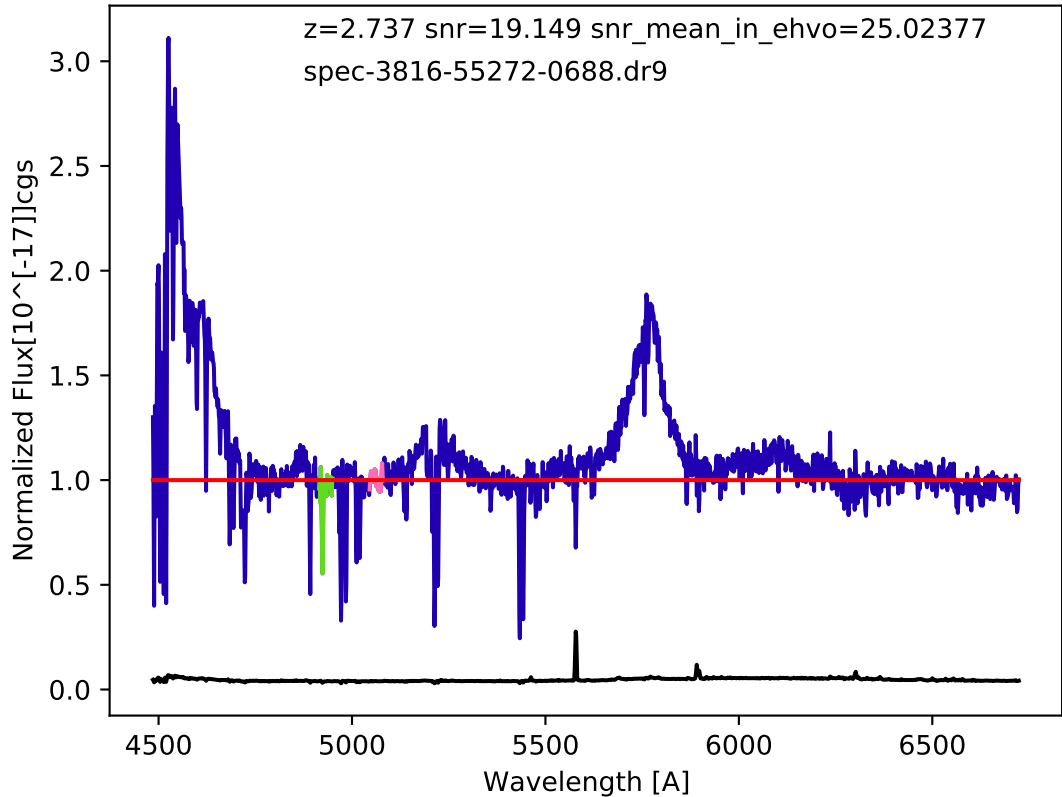


## Normalized Data vs. Normalized Error



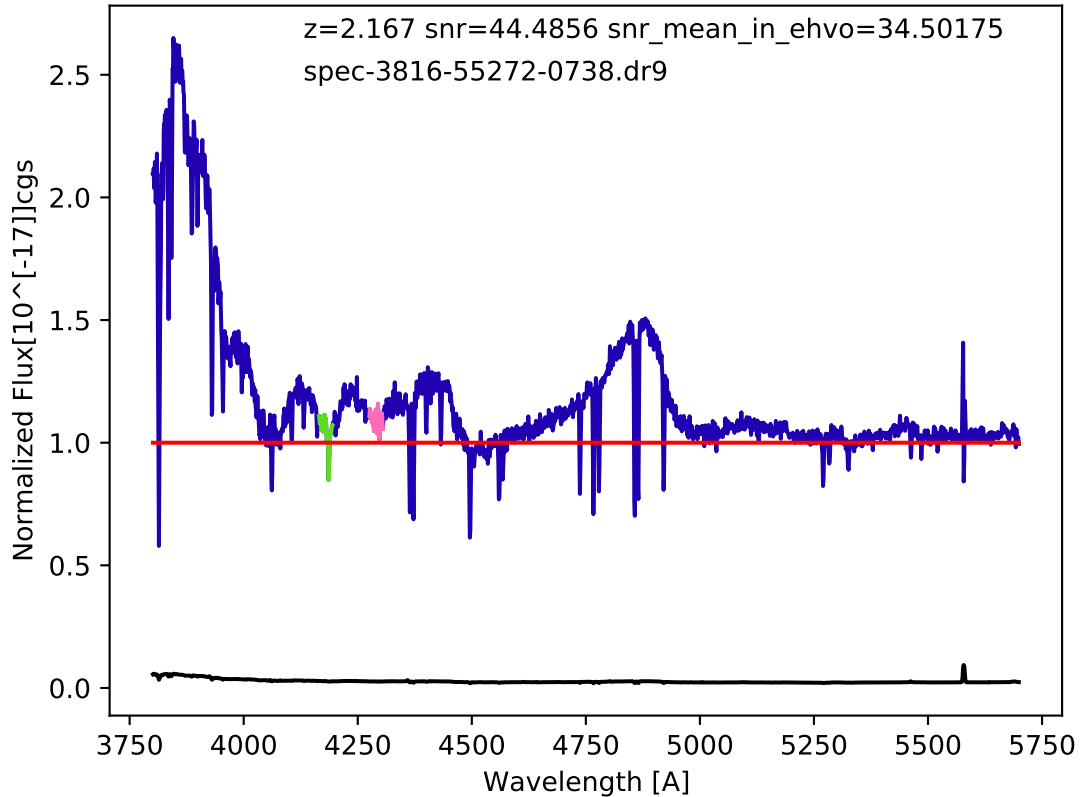
## Normalized Data vs. Normalized Error

$z=2.737$   $\text{snr}=19.149$   $\text{snr\_mean\_in\_ehvo}=25.02377$   
spec-3816-55272-0688.dr9



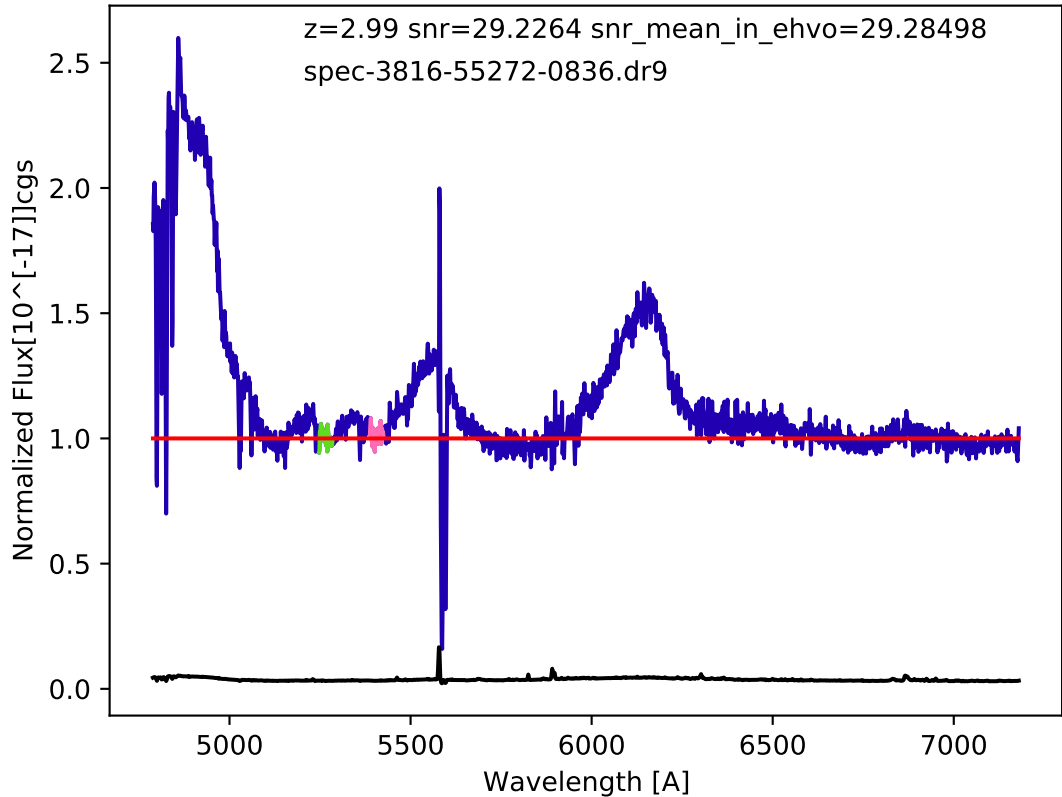
## Normalized Data vs. Normalized Error

$z=2.167$   $\text{snr}=44.4856$   $\text{snr\_mean\_in\_ehvo}=34.50175$   
spec-3816-55272-0738.dr9



## Normalized Data vs. Normalized Error

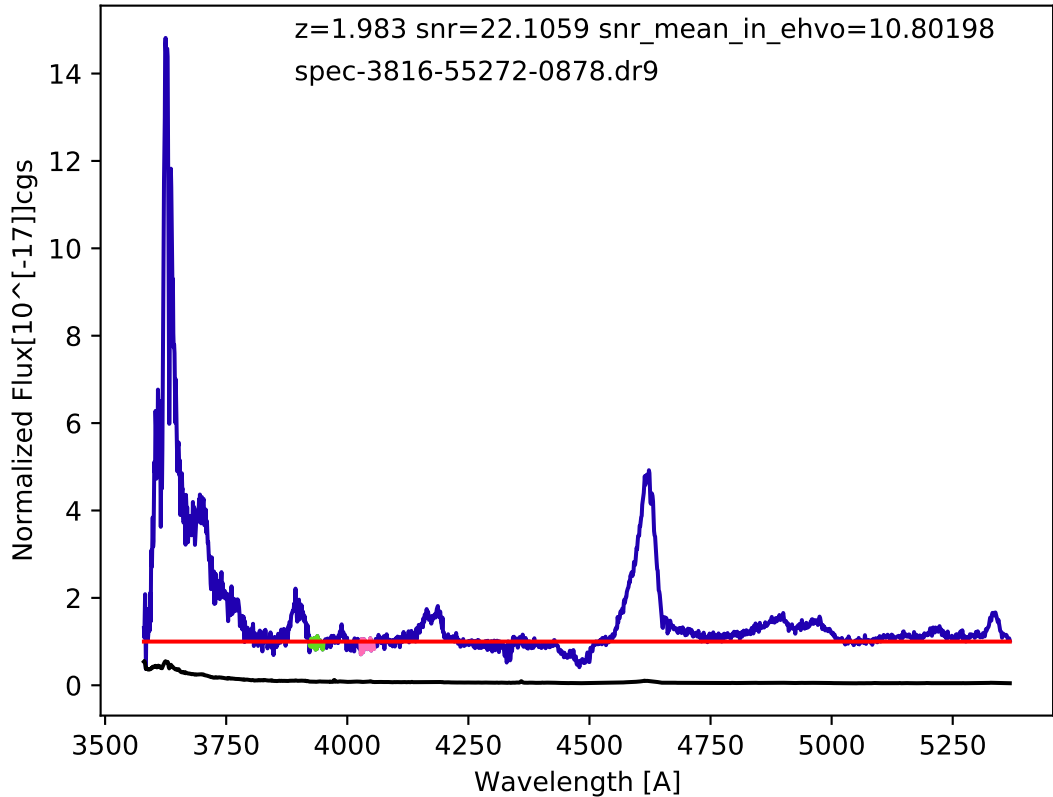
$z=2.99$   $\text{snr}=29.2264$   $\text{snr\_mean\_in\_ehvo}=29.28498$   
spec-3816-55272-0836.dr9



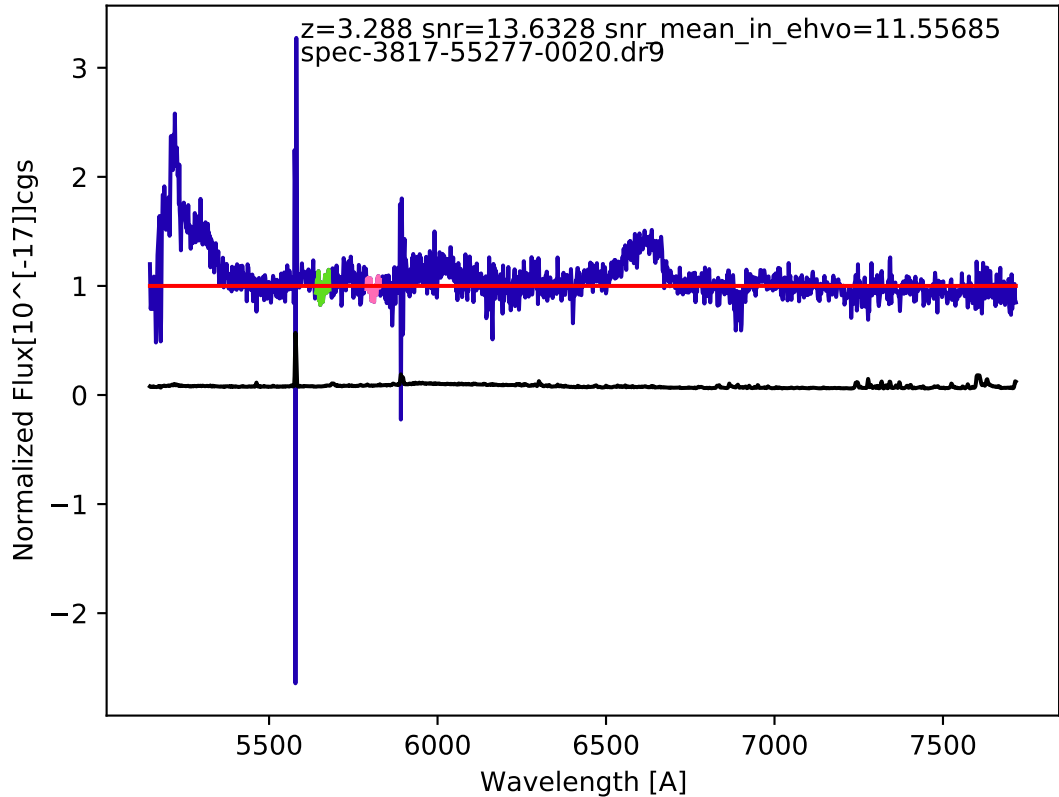


## Normalized Data vs. Normalized Error

z=1.983 snr=22.1059 snr\_mean\_in\_ehvo=10.80198  
spec-3816-55272-0878.dr9

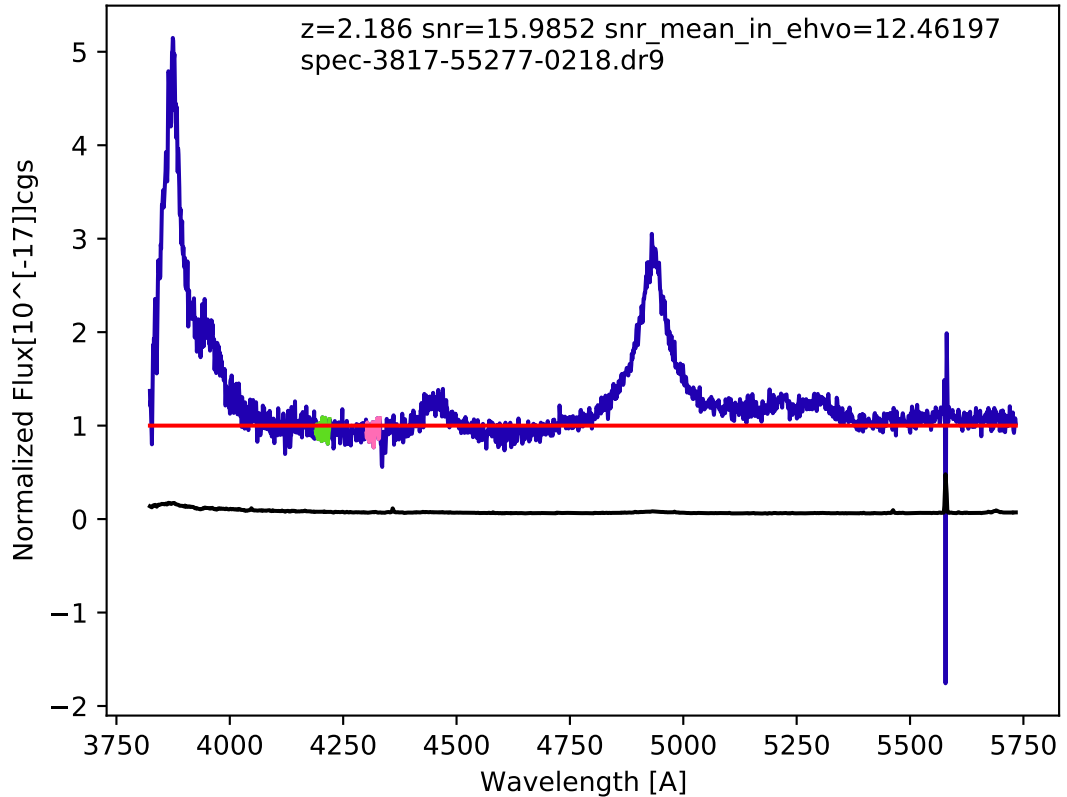


# Normalized Data vs. Normalized Error



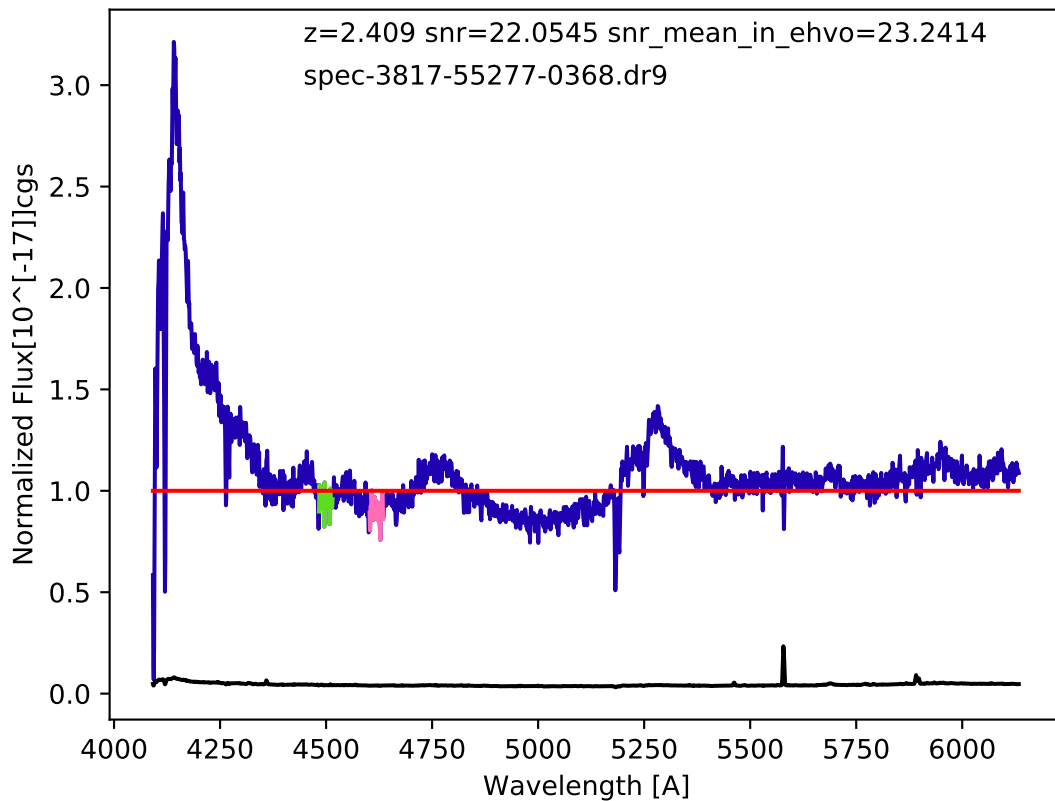
# Normalized Data vs. Normalized Error

z=2.186 snr=15.9852 snr\_mean\_in\_ehvo=12.46197  
spec-3817-55277-0218.dr9



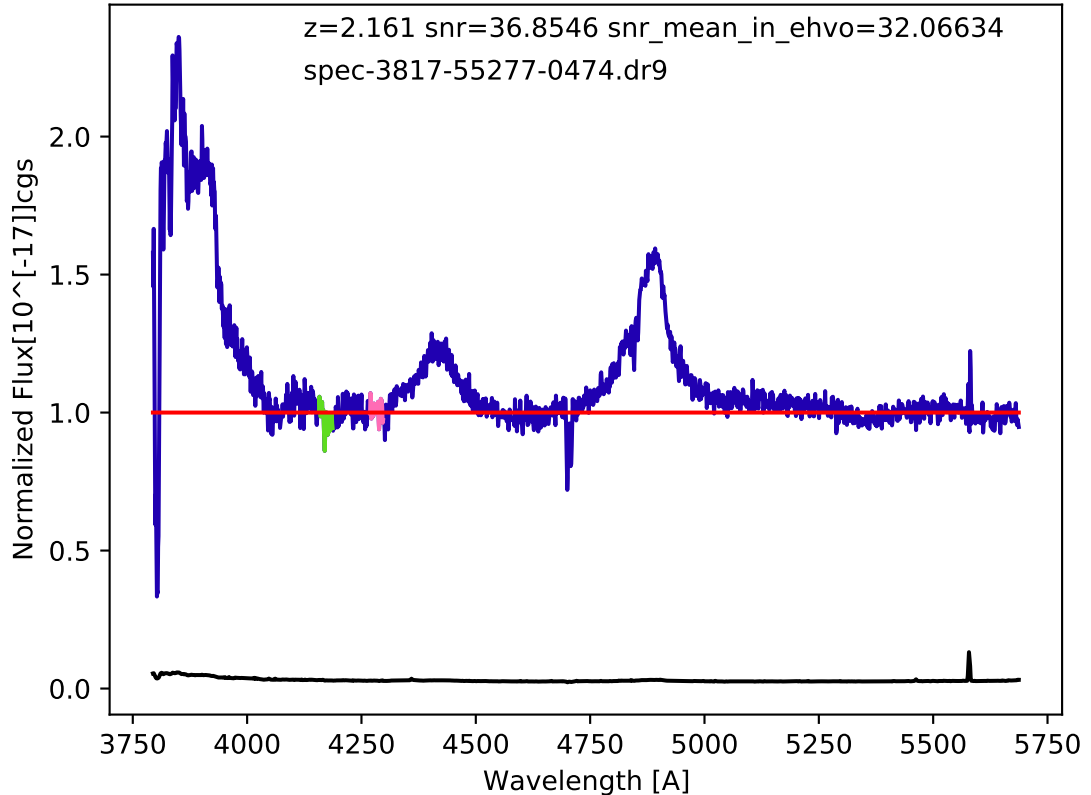
## Normalized Data vs. Normalized Error

$z=2.409$   $\text{snr}=22.0545$   $\text{snr\_mean\_in\_ehvo}=23.2414$   
spec-3817-55277-0368.dr9



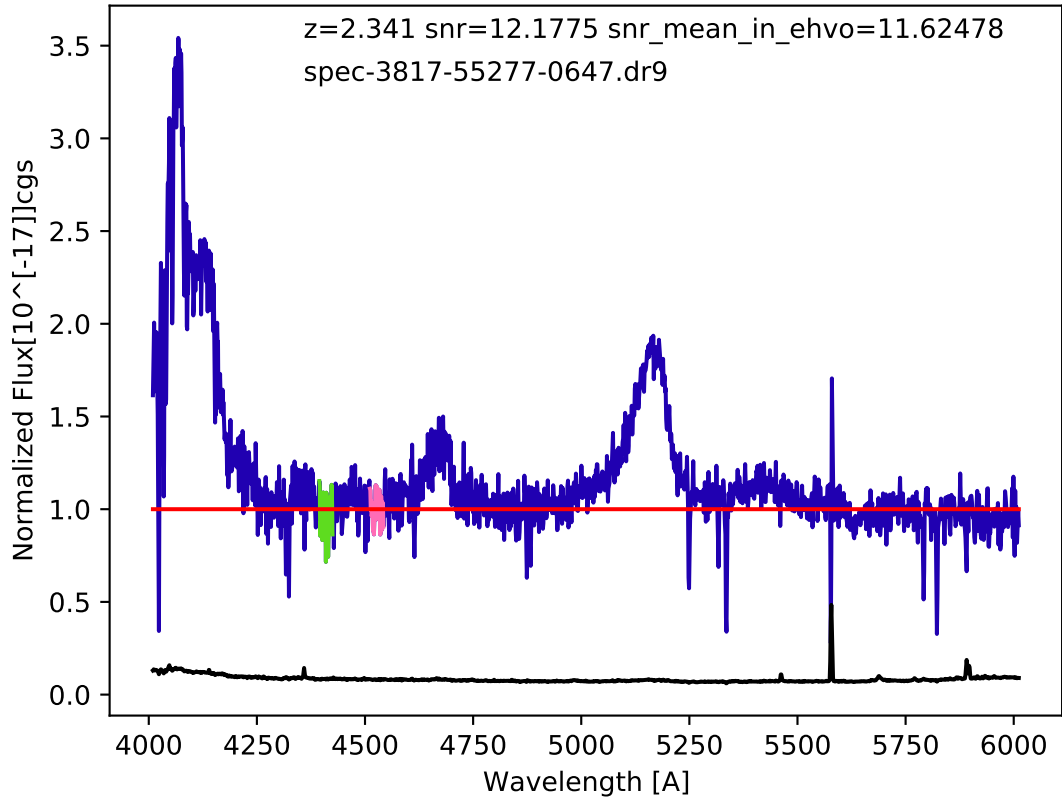
# Normalized Data vs. Normalized Error

z=2.161 snr=36.8546 snr\_mean\_in\_ehvo=32.06634  
spec-3817-55277-0474.dr9



## Normalized Data vs. Normalized Error

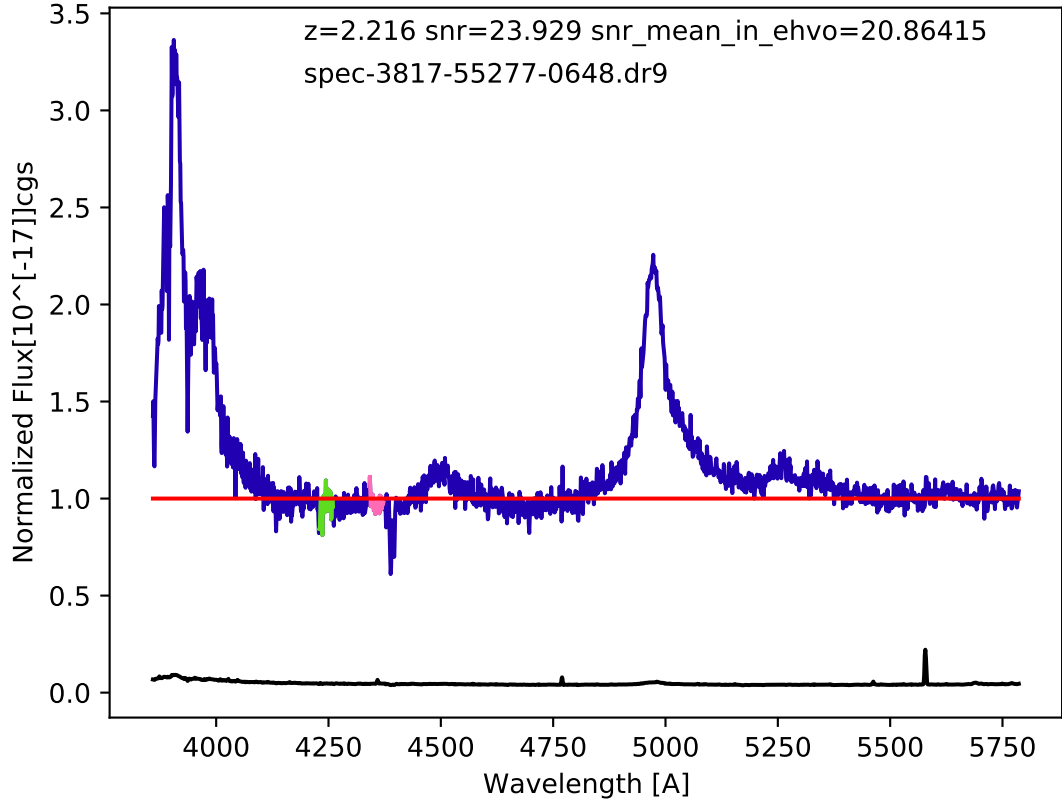
$z=2.341$   $\text{snr}=12.1775$   $\text{snr\_mean\_in\_ehvo}=11.62478$   
spec-3817-55277-0647.dr9



## Normalized Data vs. Normalized Error

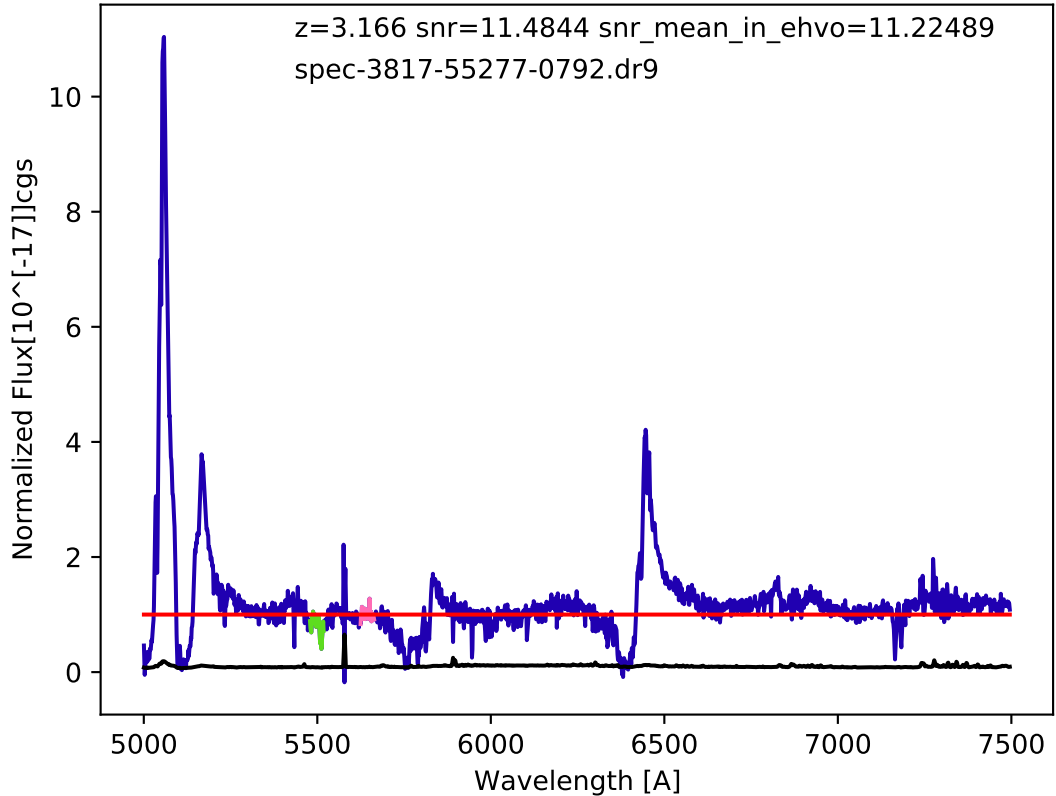
$z=2.216$   $\text{snr}=23.929$   $\text{snr\_mean\_in\_ehvo}=20.86415$

spec-3817-55277-0648.dr9



## Normalized Data vs. Normalized Error

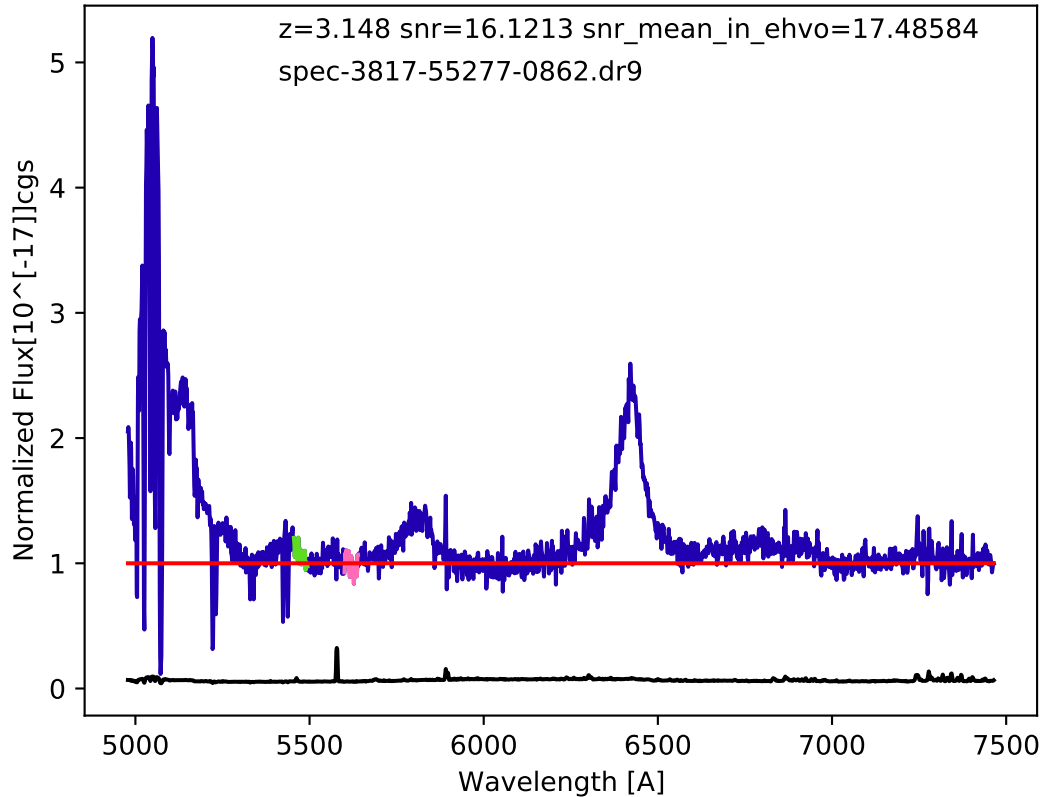
$z=3.166$   $\text{snr}=11.4844$   $\text{snr\_mean\_in\_ehvo}=11.22489$   
spec-3817-55277-0792.dr9





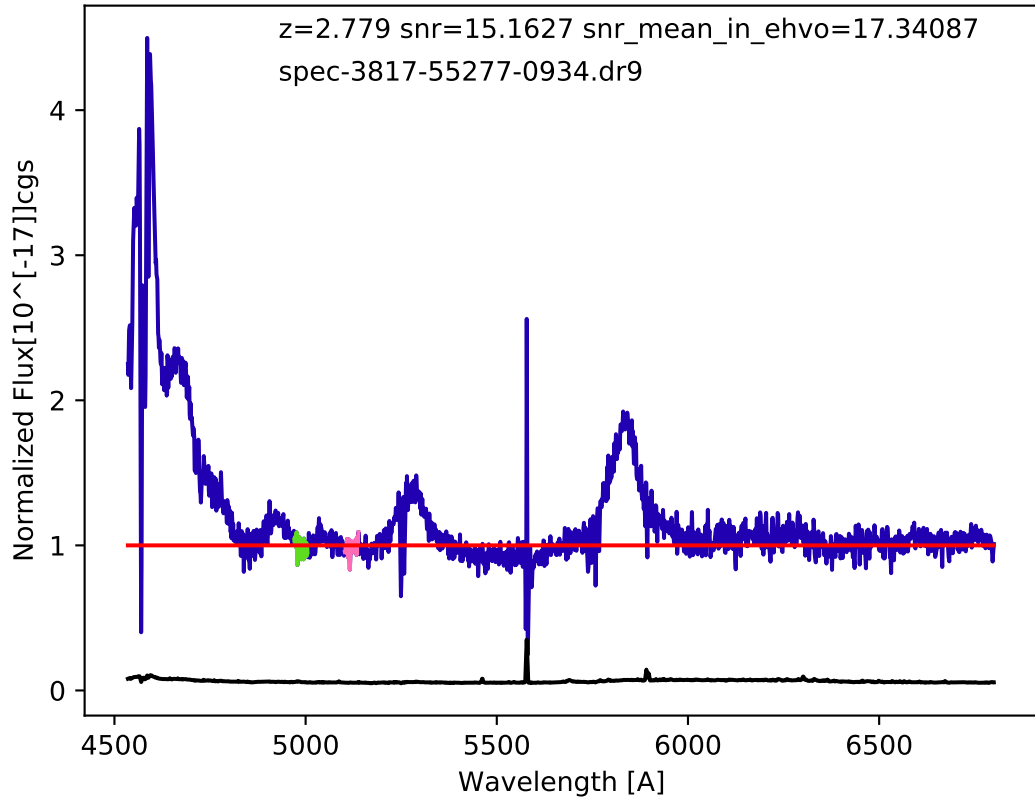
## Normalized Data vs. Normalized Error

$z=3.148$   $\text{snr}=16.1213$   $\text{snr\_mean\_in\_ehvo}=17.48584$   
spec-3817-55277-0862.dr9



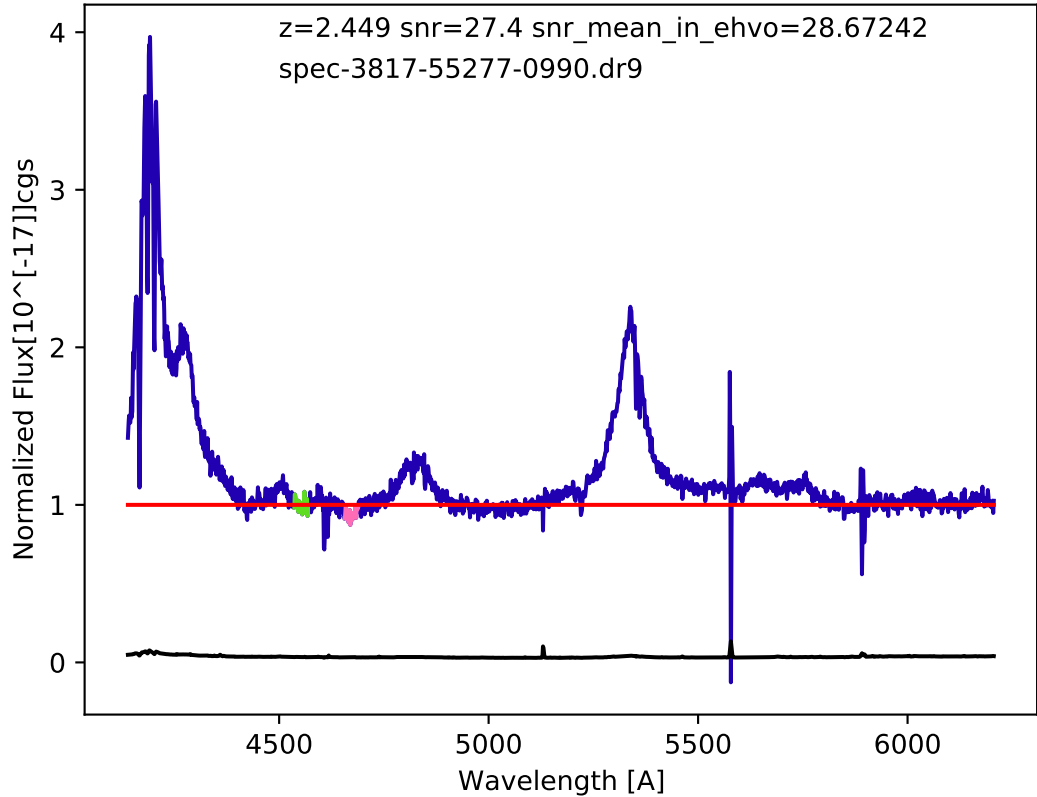
## Normalized Data vs. Normalized Error

$z=2.779$   $\text{snr}=15.1627$   $\text{snr\_mean\_in\_ehvo}=17.34087$   
spec-3817-55277-0934.dr9

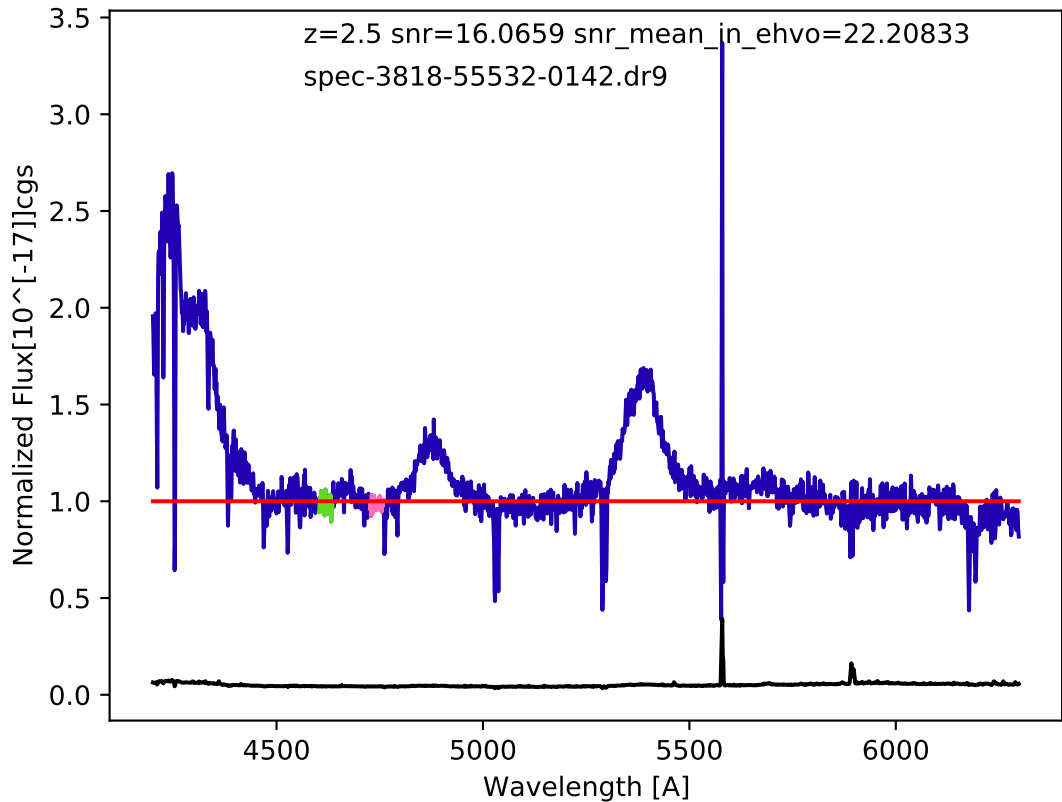


## Normalized Data vs. Normalized Error

$z=2.449$   $\text{snr}=27.4$   $\text{snr\_mean\_in\_ehvo}=28.67242$   
spec-3817-55277-0990.dr9

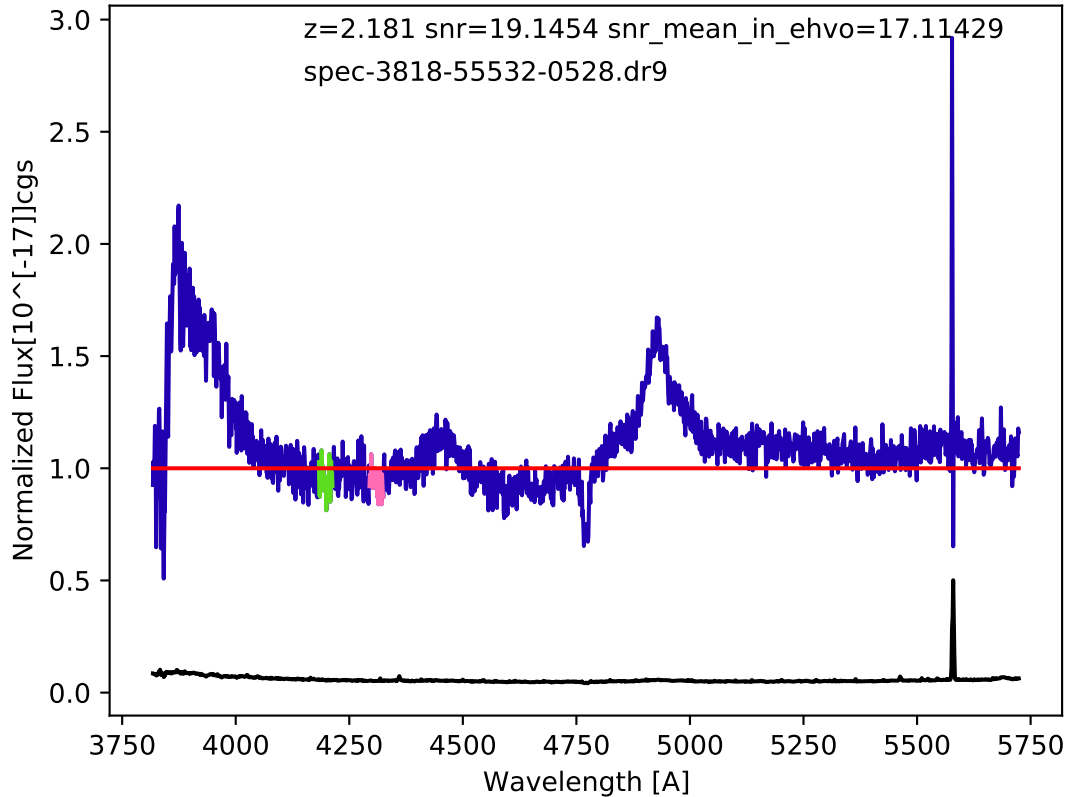


# Normalized Data vs. Normalized Error



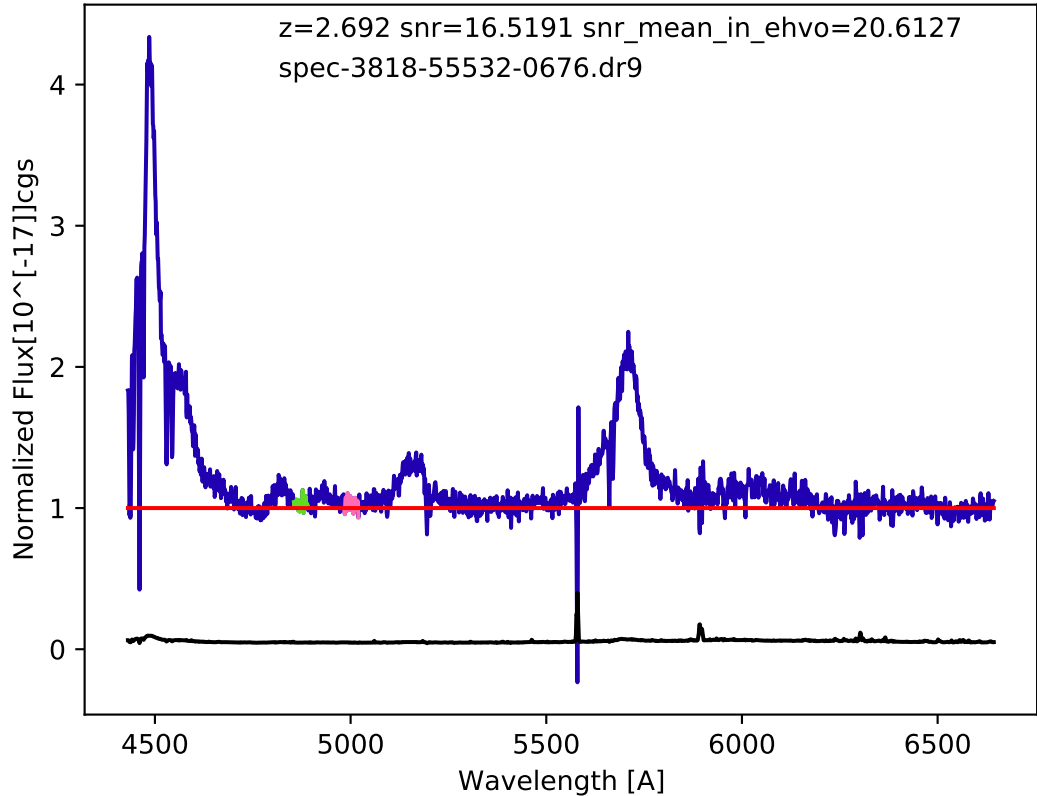
# Normalized Data vs. Normalized Error

$z=2.181$   $\text{snr}=19.1454$   $\text{snr\_mean\_in\_ehvo}=17.11429$   
spec-3818-55532-0528.dr9

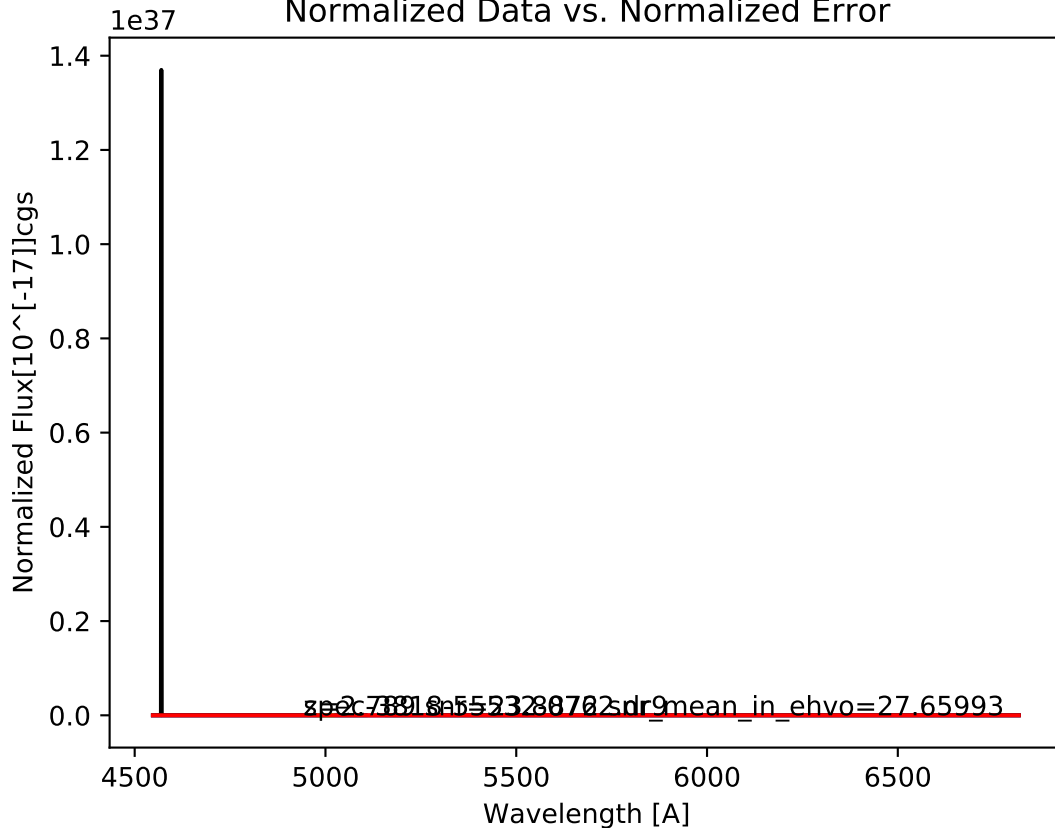


# Normalized Data vs. Normalized Error

z=2.692 snr=16.5191 snr\_mean\_in\_ehvo=20.6127  
spec-3818-55532-0676.dr9

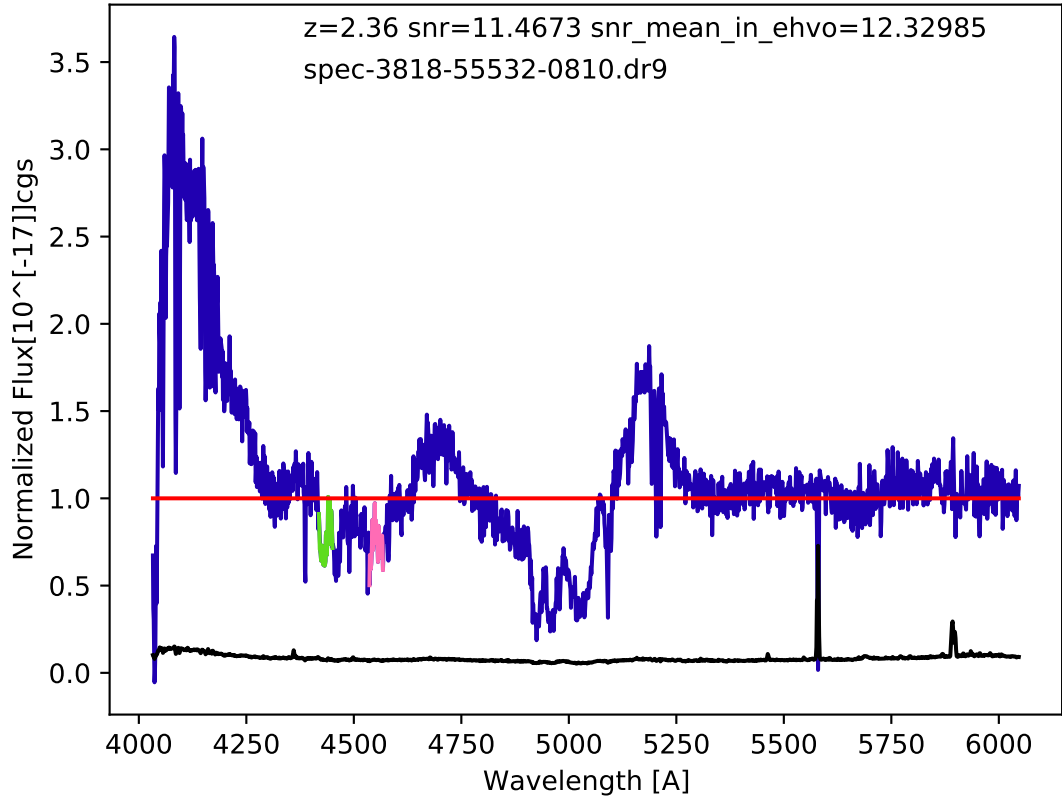


# Normalized Data vs. Normalized Error



# Normalized Data vs. Normalized Error

z=2.36 snr=11.4673 snr\_mean\_in\_ehvo=12.32985  
spec-3818-55532-0810.dr9

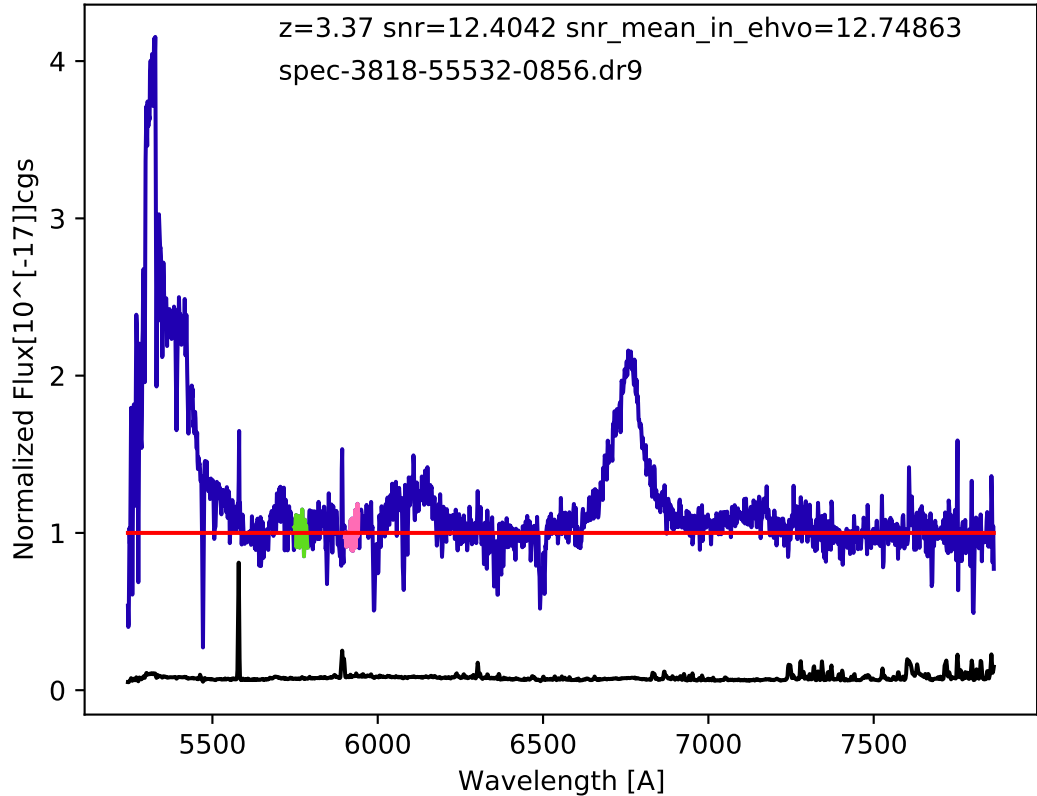




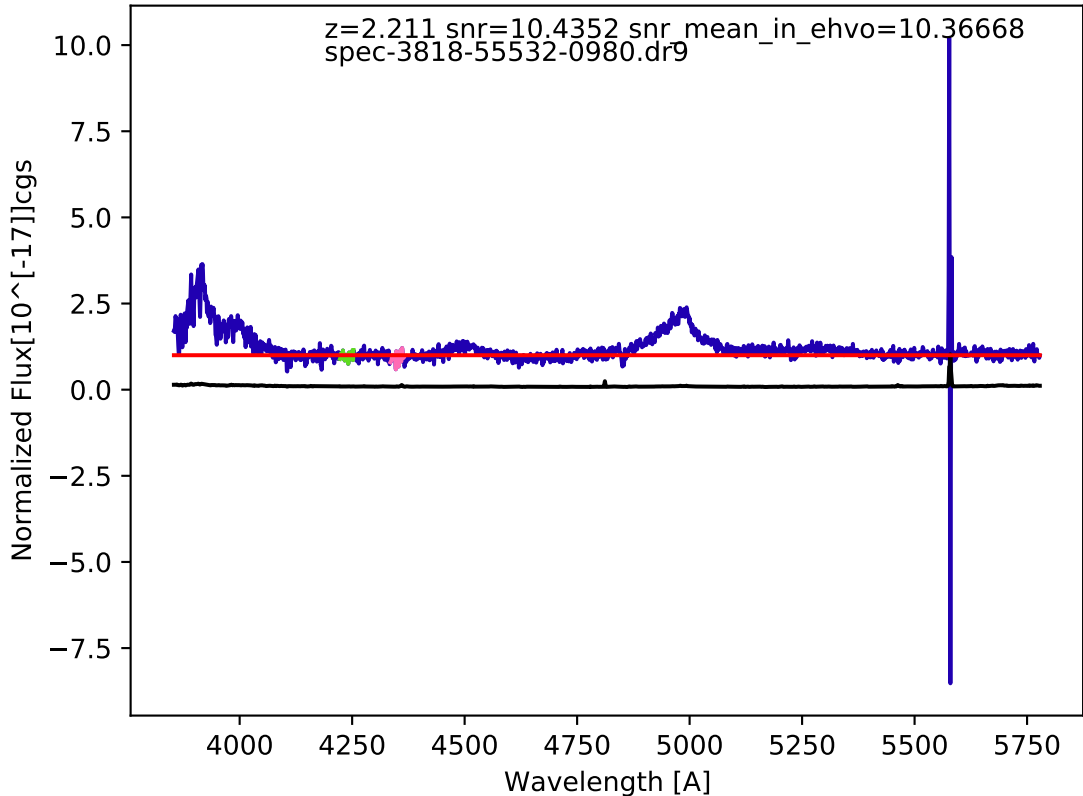
## Normalized Data vs. Normalized Error

$z=3.37$   $\text{snr}=12.4042$   $\text{snr\_mean\_in\_ehvo}=12.74863$

spec-3818-55532-0856.dr9

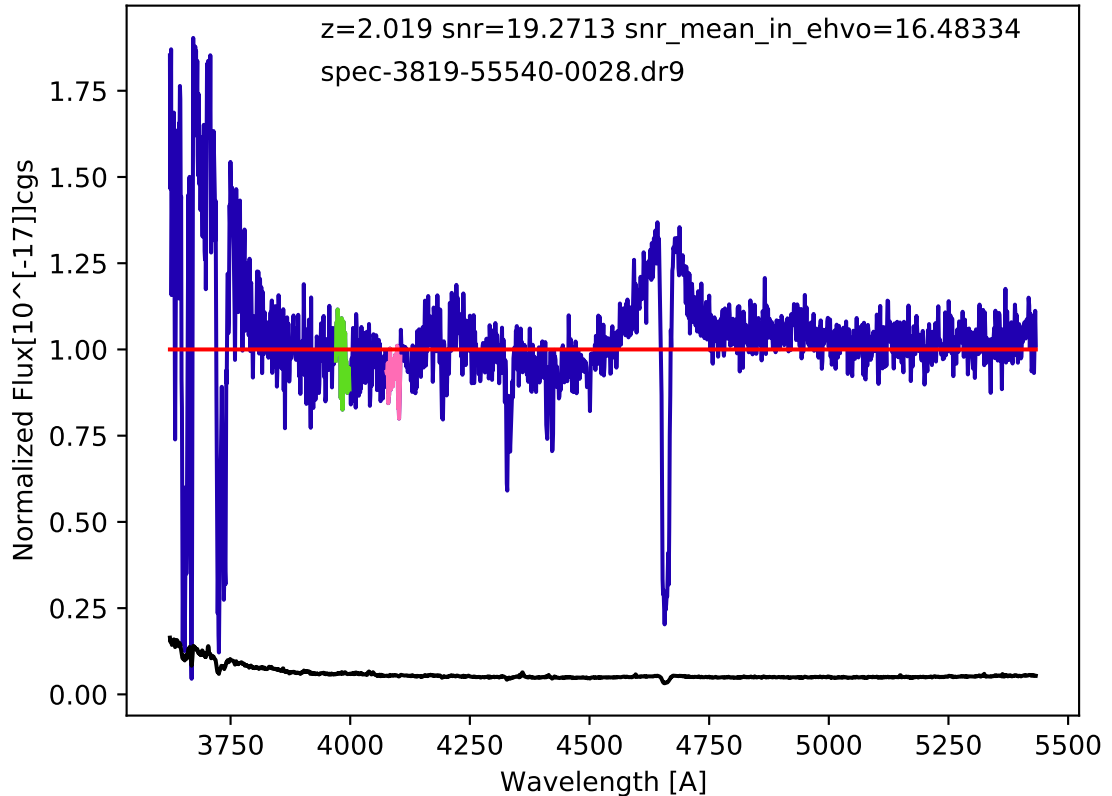


# Normalized Data vs. Normalized Error



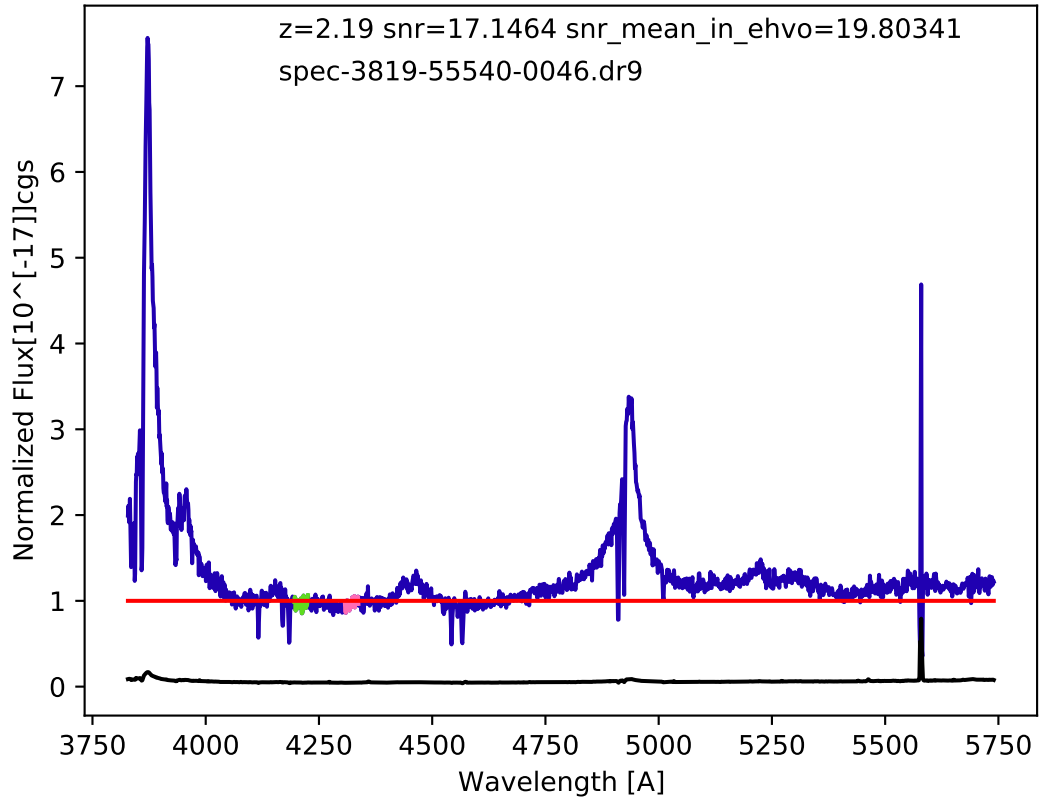
# Normalized Data vs. Normalized Error

z=2.019 snr=19.2713 snr\_mean\_in\_ehvo=16.48334  
spec-3819-55540-0028.dr9



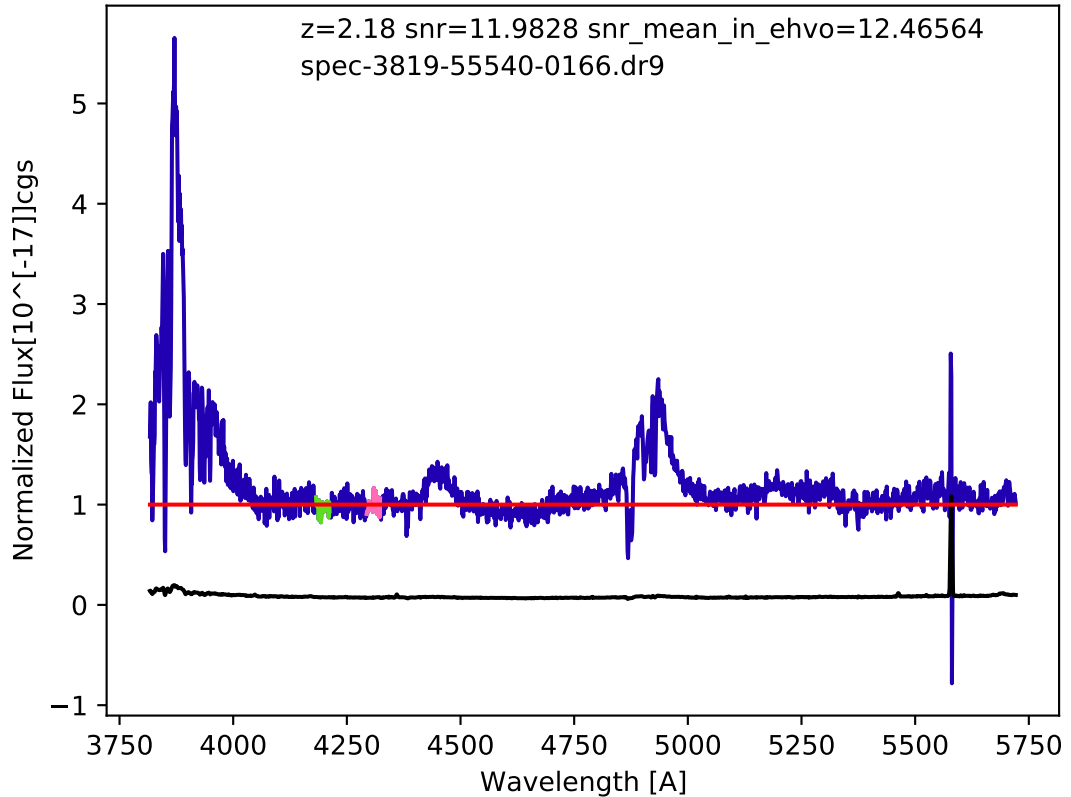
# Normalized Data vs. Normalized Error

z=2.19 snr=17.1464 snr\_mean\_in\_ehvo=19.80341  
spec-3819-55540-0046.dr9



# Normalized Data vs. Normalized Error

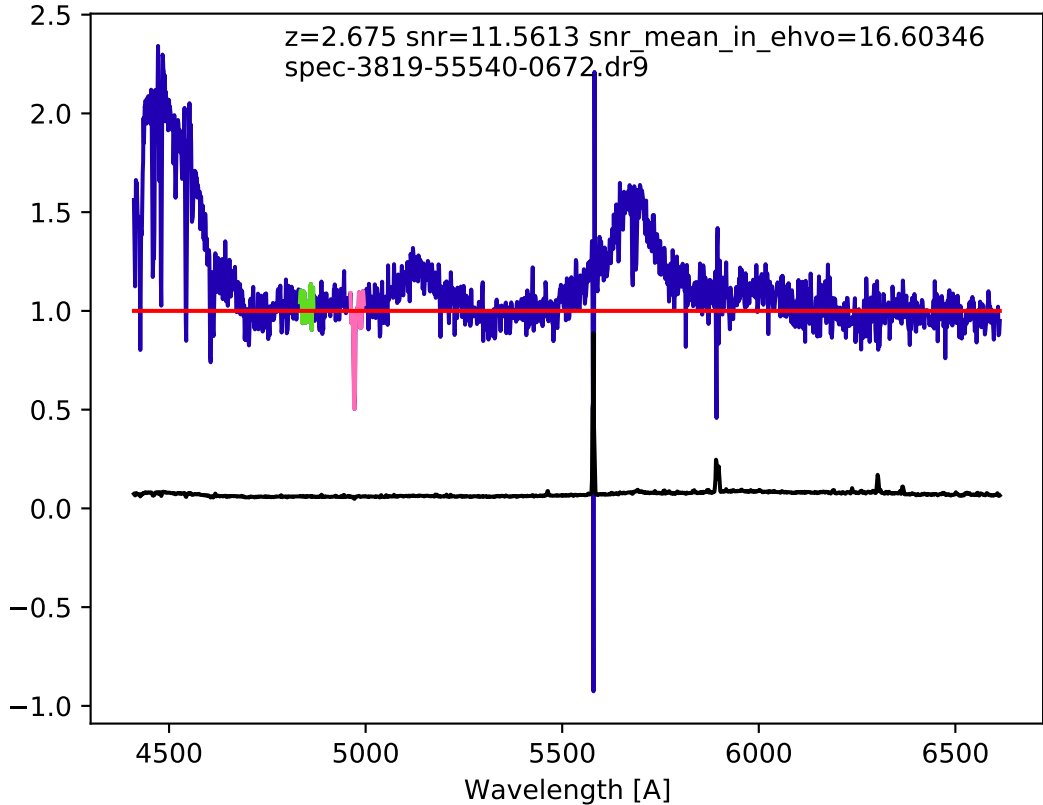
z=2.18 snr=11.9828 snr\_mean\_in\_ehvo=12.46564  
spec-3819-55540-0166.dr9



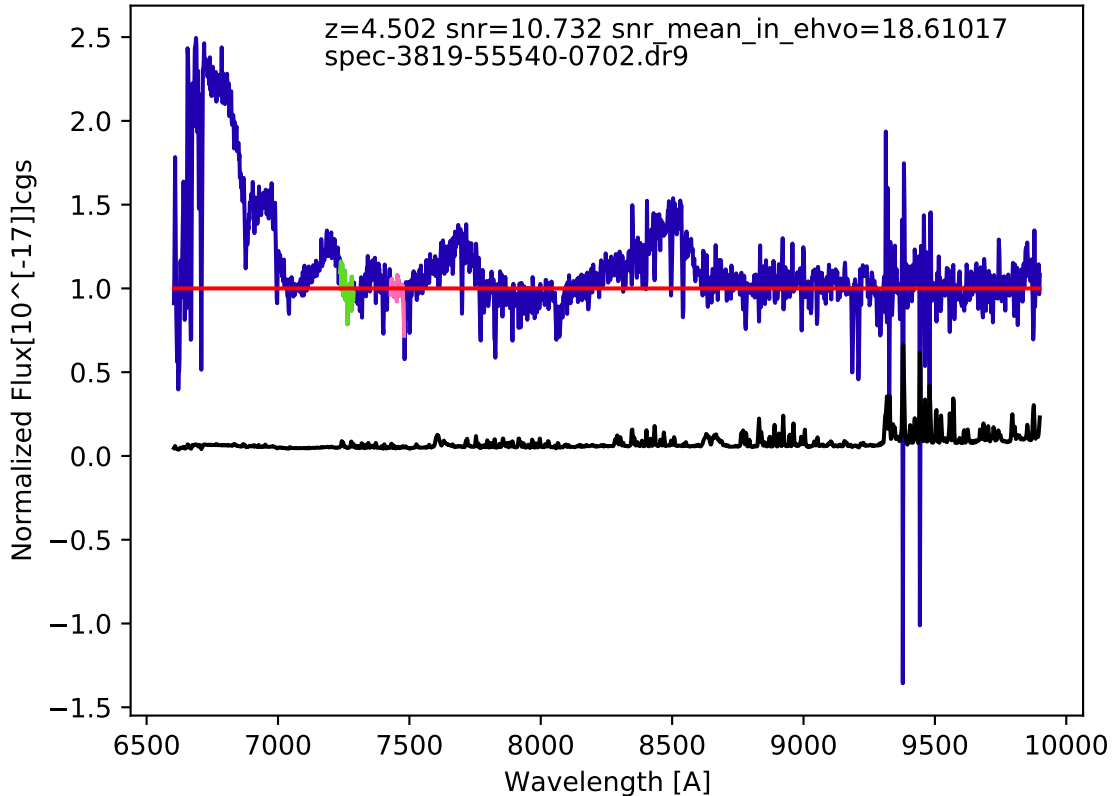
# Normalized Data vs. Normalized Error

$z=2.675$   $\text{snr}=11.5613$   $\text{snr\_mean\_in\_ehvo}=16.60346$   
spec-3819-55540-0672.dr9

Normalized Flux[ $10^{-17}$ ][cgs]

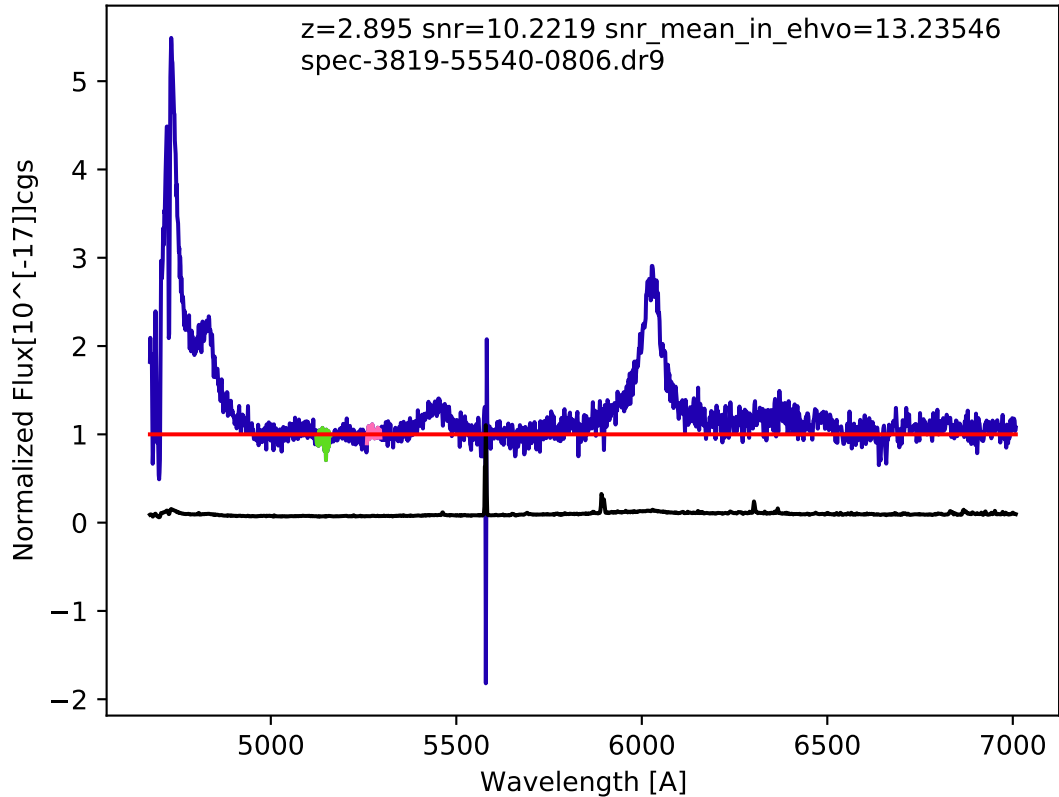


# Normalized Data vs. Normalized Error



# Normalized Data vs. Normalized Error

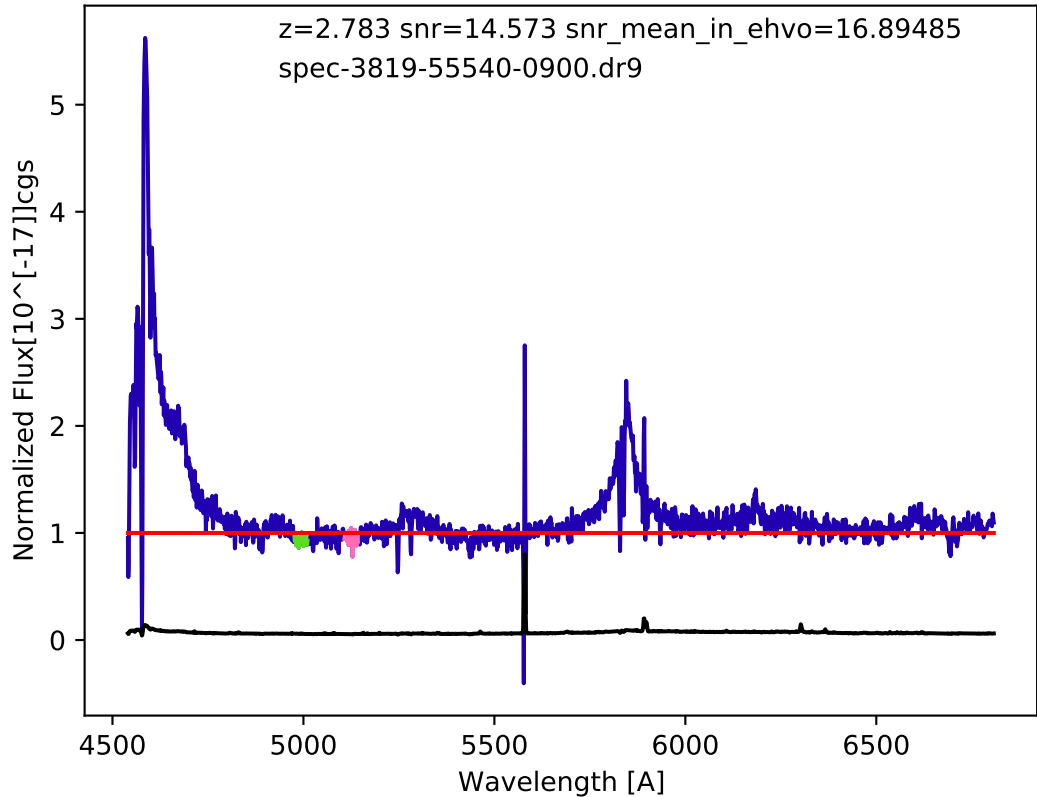
z=2.895 snr=10.2219 snr\_mean\_in\_ehvo=13.23546  
spec-3819-55540-0806.dr9





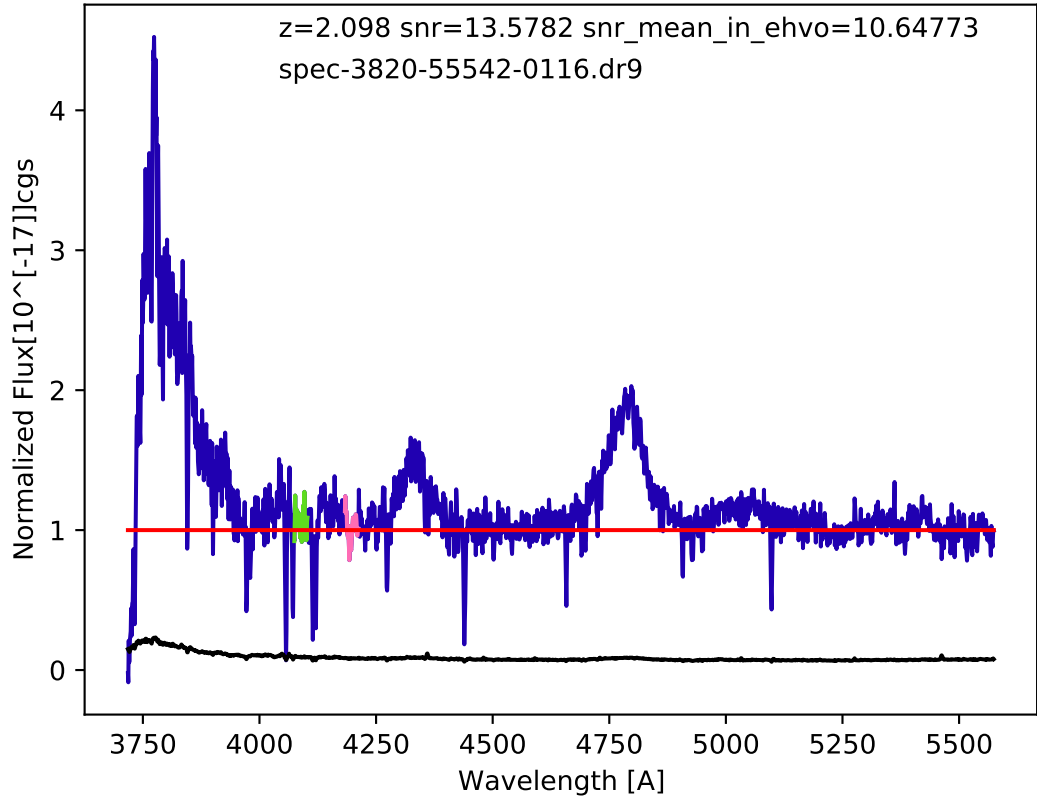
## Normalized Data vs. Normalized Error

$z=2.783$   $\text{snr}=14.573$   $\text{snr\_mean\_in\_ehvo}=16.89485$   
spec-3819-55540-0900.dr9



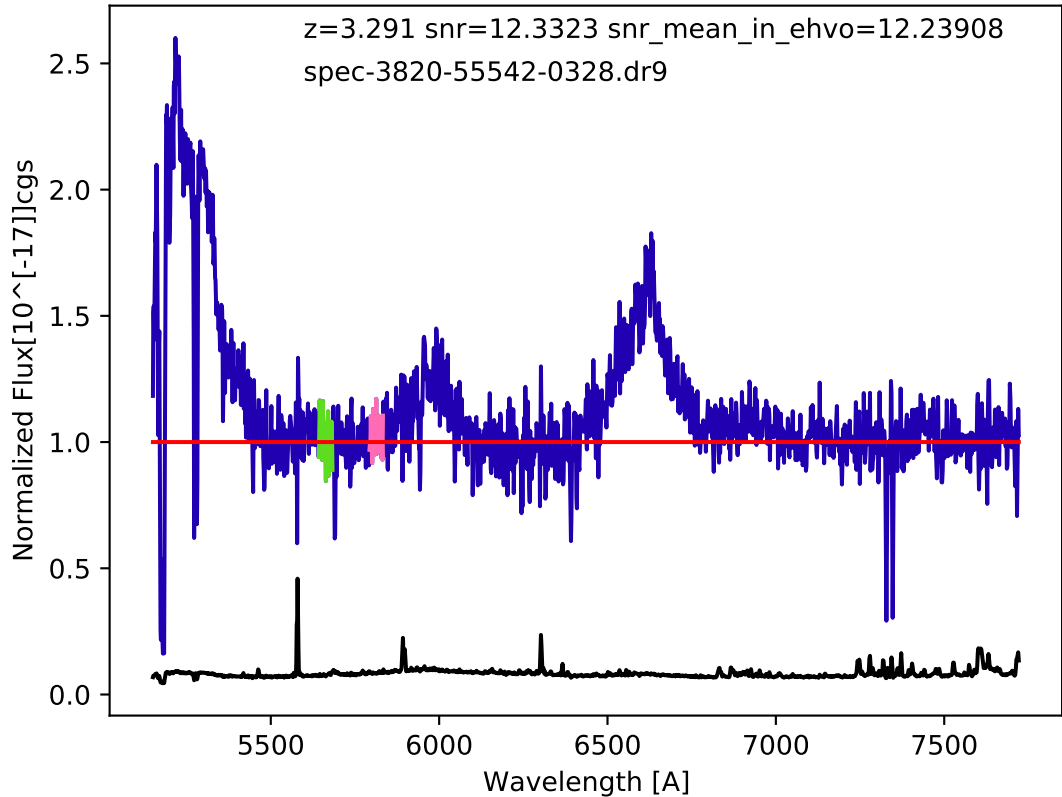
## Normalized Data vs. Normalized Error

z=2.098 snr=13.5782 snr\_mean\_in\_ehvo=10.64773  
spec-3820-55542-0116.dr9

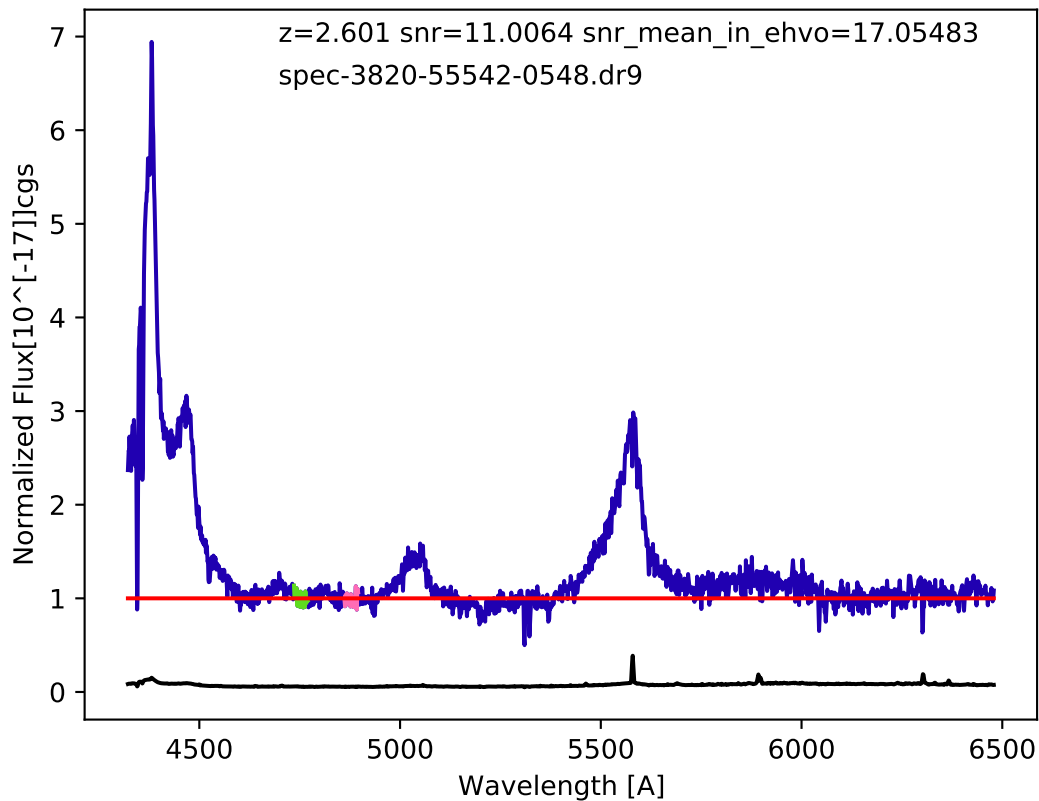


## Normalized Data vs. Normalized Error

$z=3.291$   $\text{snr}=12.3323$   $\text{snr\_mean\_in\_ehvo}=12.23908$   
spec-3820-55542-0328.dr9



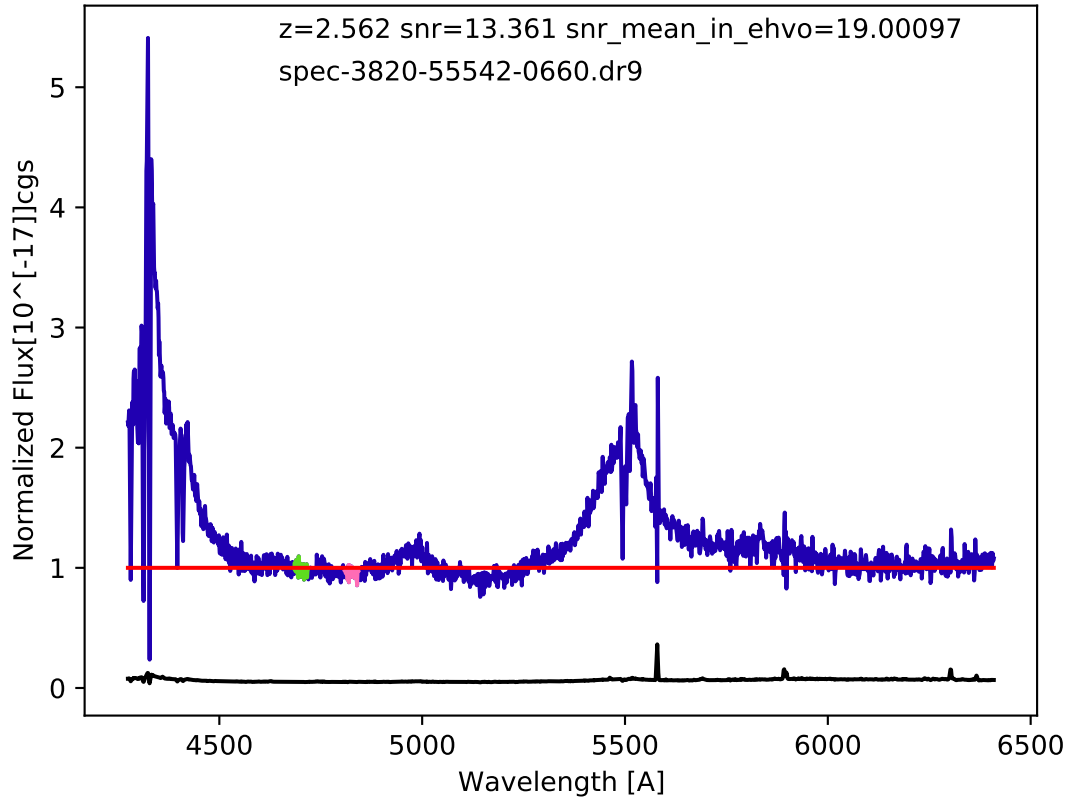
## Normalized Data vs. Normalized Error



# Normalized Data vs. Normalized Error

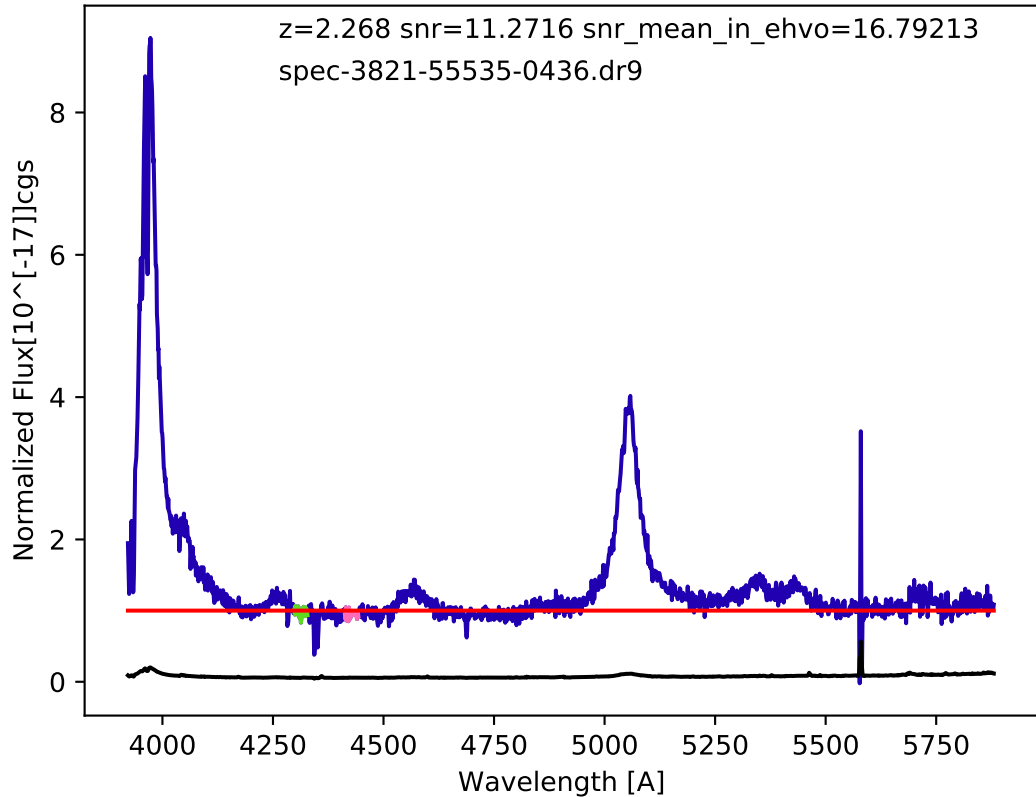
z=2.562 snr=13.361 snr\_mean\_in\_ehvo=19.00097

spec-3820-55542-0660.dr9



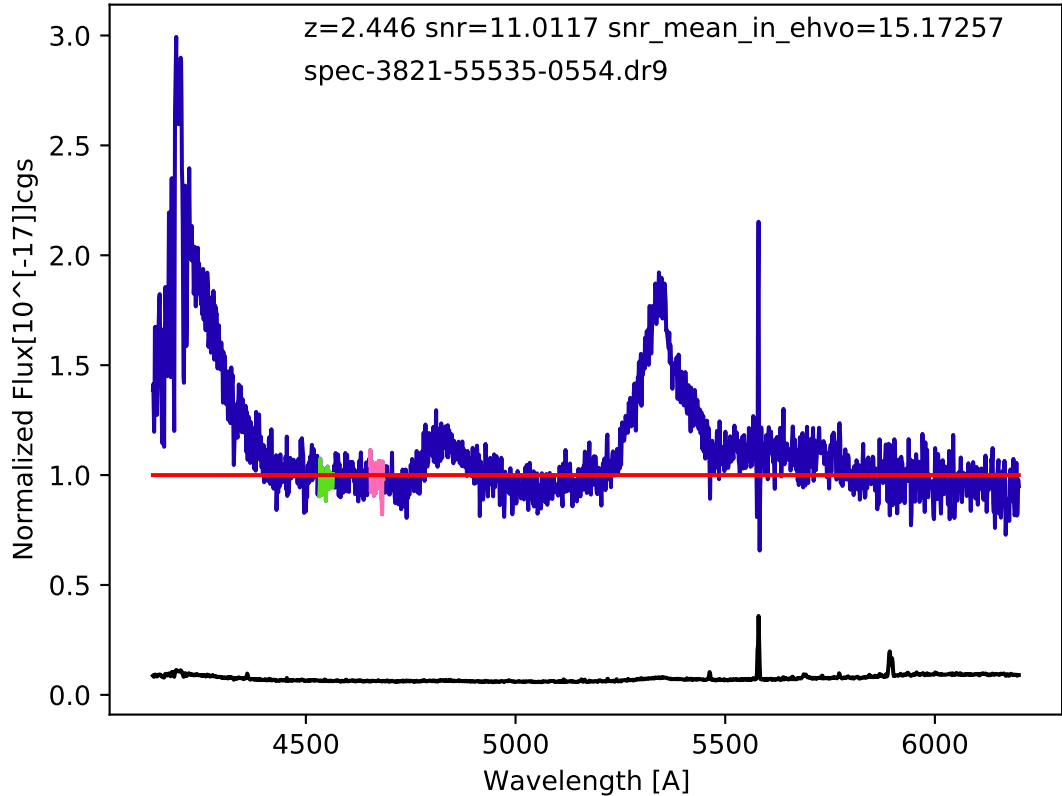
## Normalized Data vs. Normalized Error

z=2.268 snr=11.2716 snr\_mean\_in\_ehvo=16.79213  
spec-3821-55535-0436.dr9



## Normalized Data vs. Normalized Error

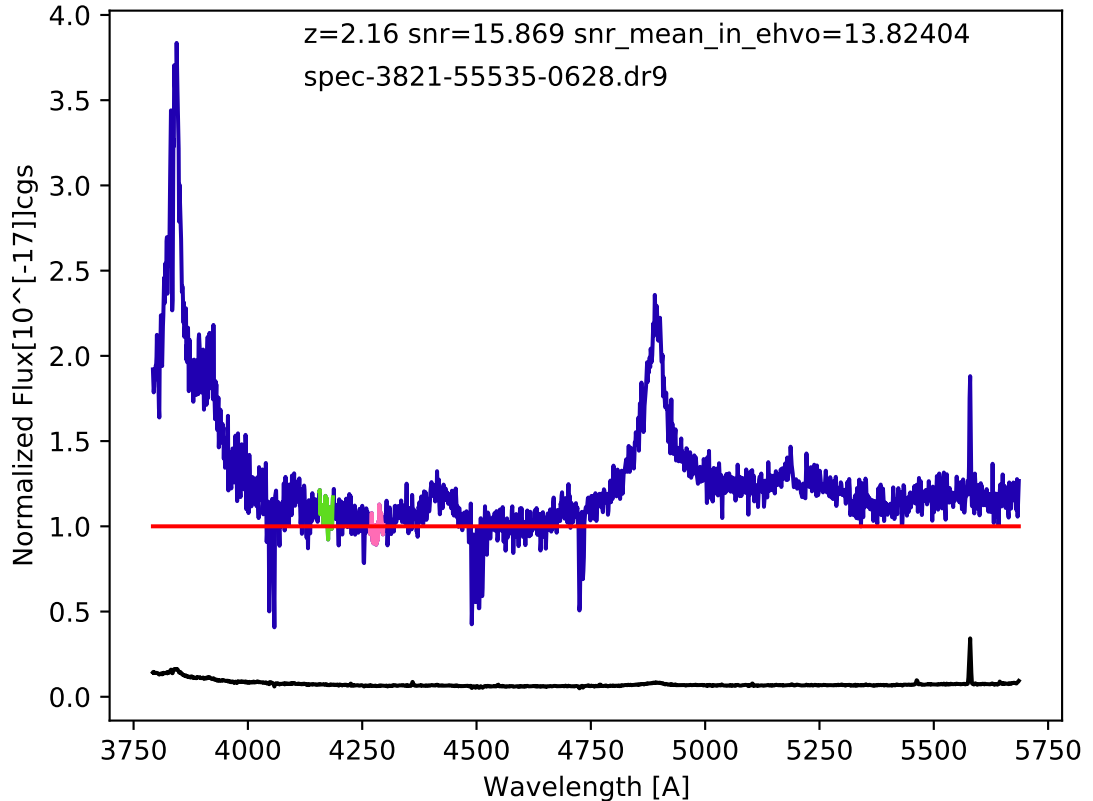
$z=2.446$   $\text{snr}=11.0117$   $\text{snr\_mean\_in\_ehvo}=15.17257$   
spec-3821-55535-0554.dr9



## Normalized Data vs. Normalized Error

$z=2.16$   $\text{snr}=15.869$   $\text{snr\_mean\_in\_ehvo}=13.82404$

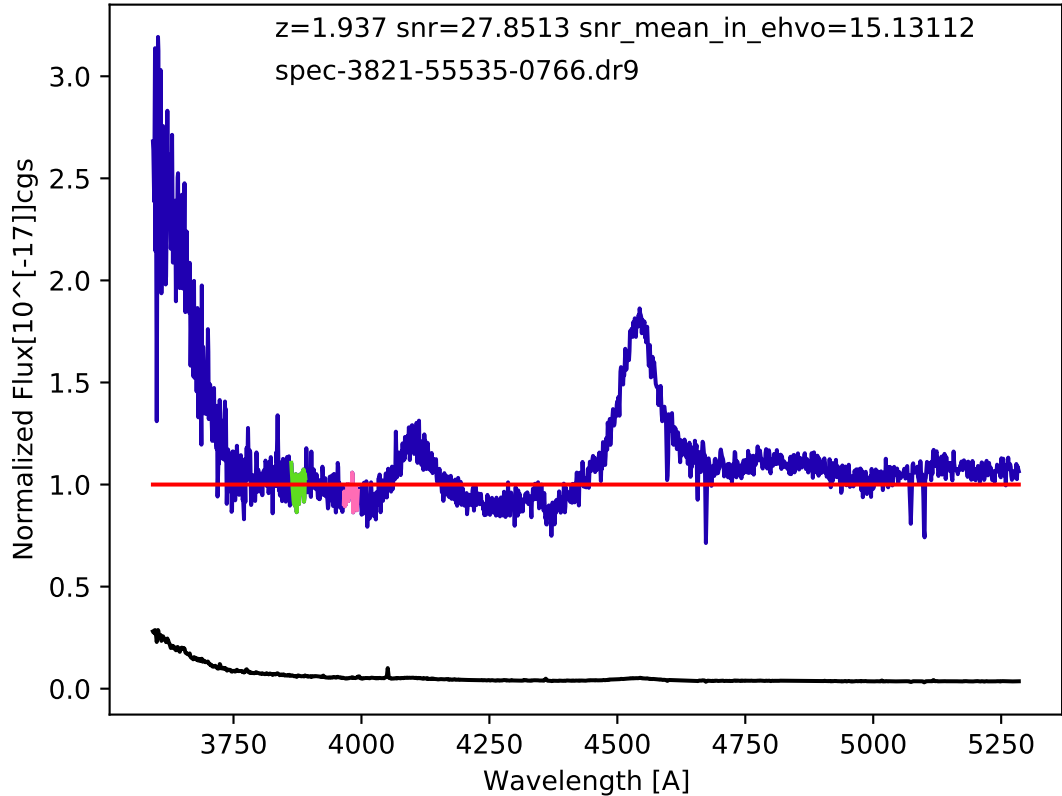
spec-3821-55535-0628.dr9





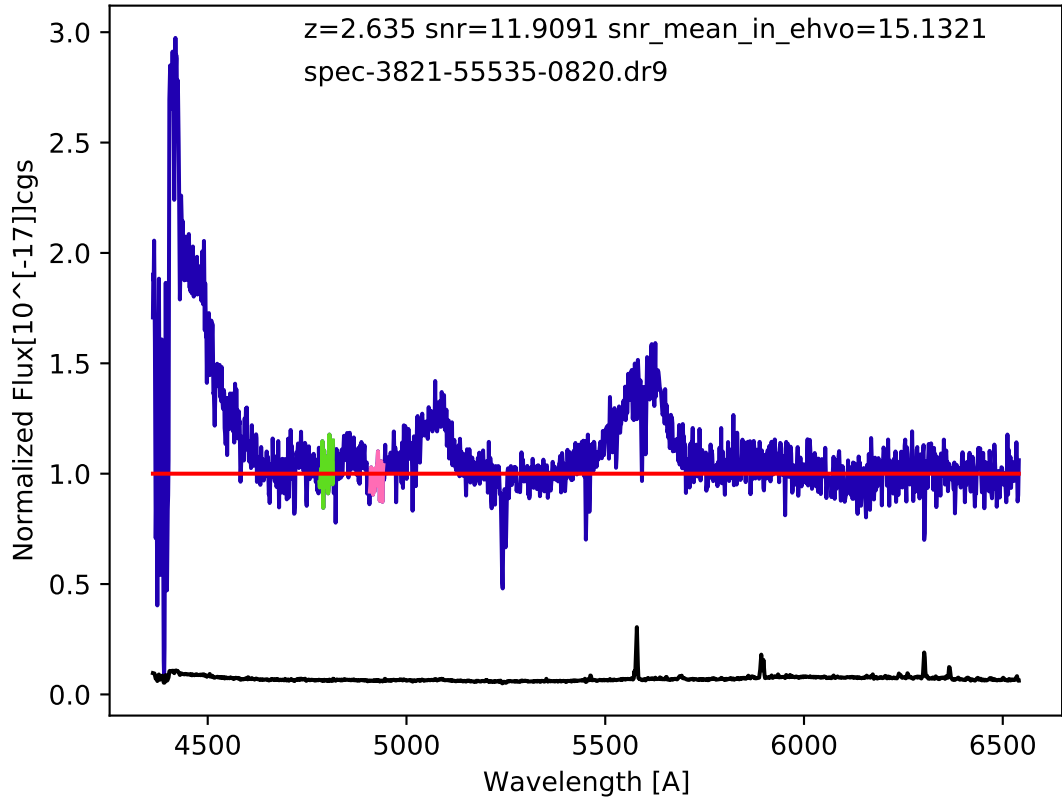
## Normalized Data vs. Normalized Error

z=1.937 snr=27.8513 snr\_mean\_in\_ehvo=15.13112  
spec-3821-55535-0766.dr9

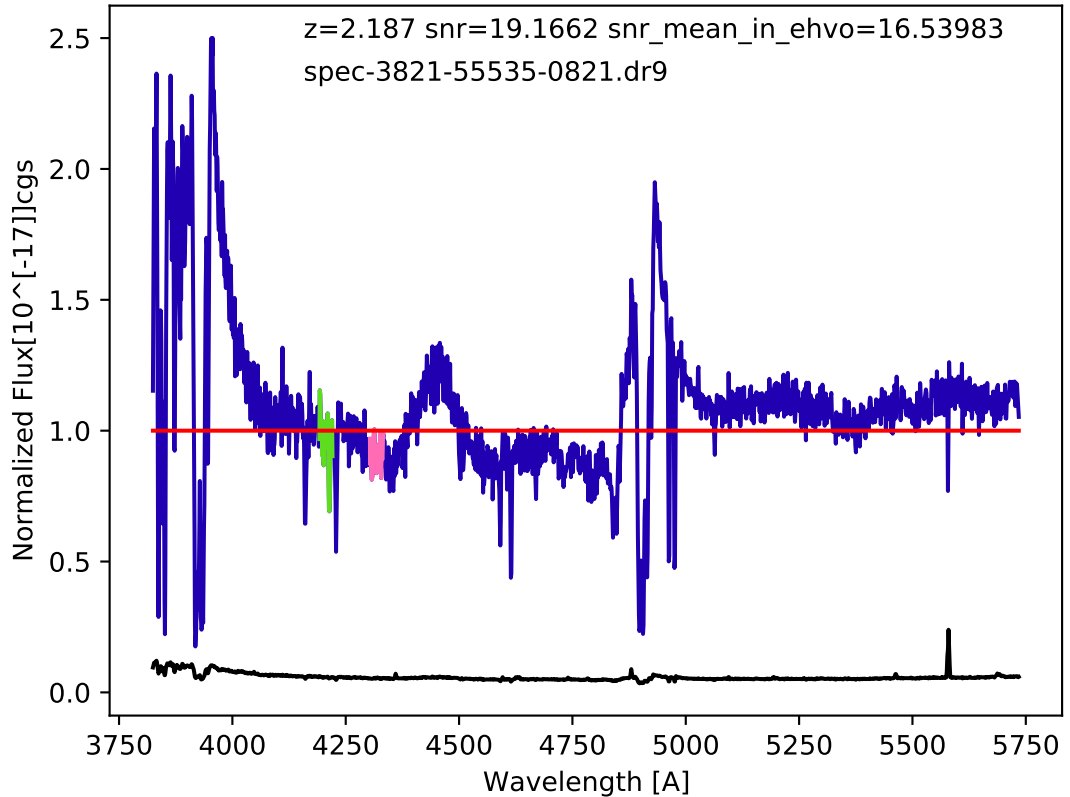


# Normalized Data vs. Normalized Error

$z=2.635$   $\text{snr}=11.9091$   $\text{snr\_mean\_in\_ehvo}=15.1321$   
spec-3821-55535-0820.dr9

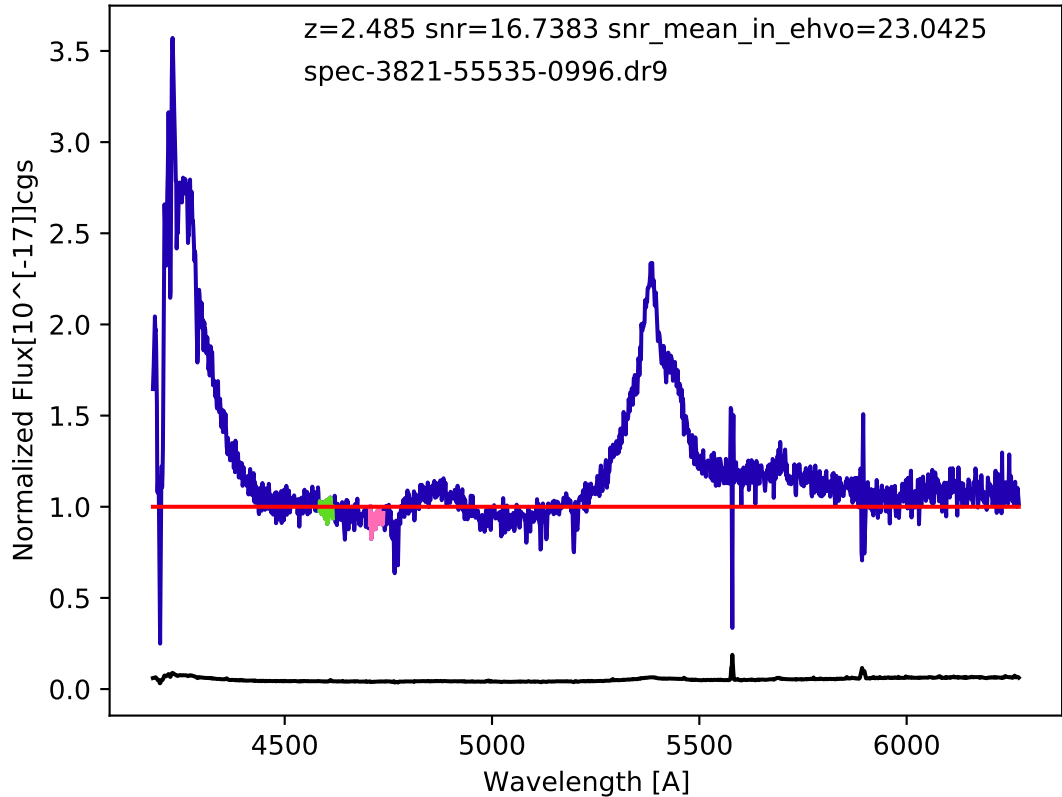


# Normalized Data vs. Normalized Error



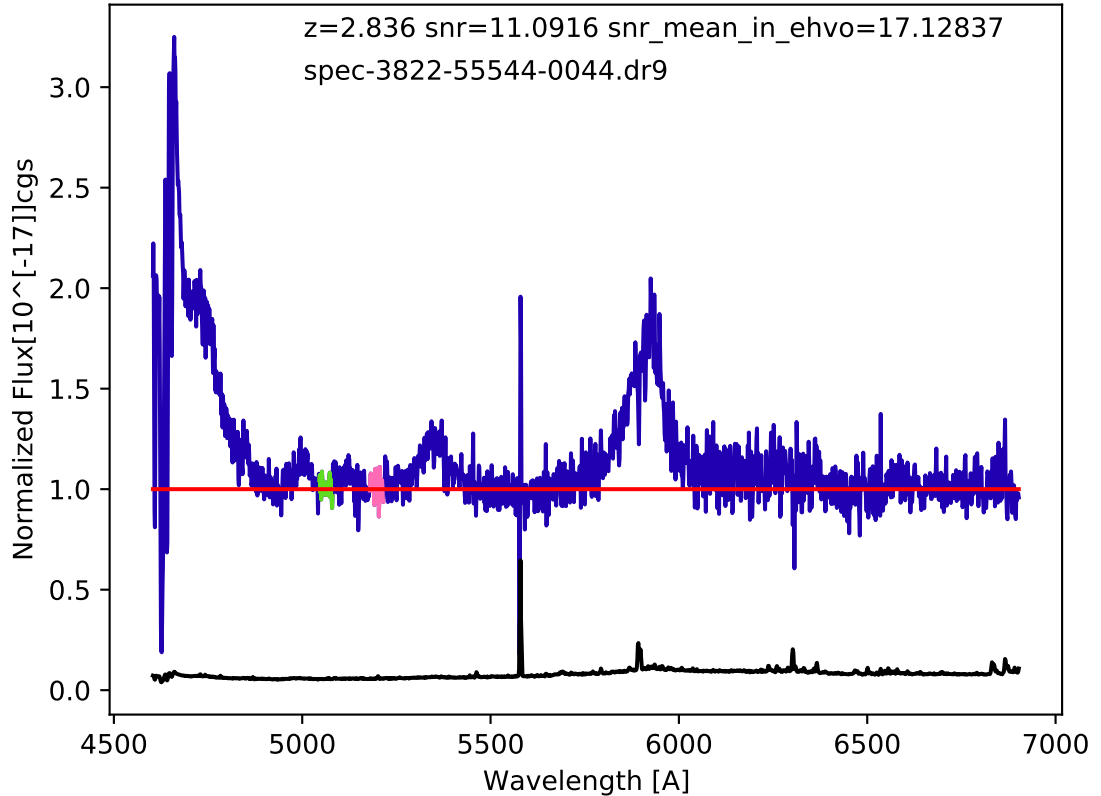
## Normalized Data vs. Normalized Error

$z=2.485$   $\text{snr}=16.7383$   $\text{snr\_mean\_in\_ehvo}=23.0425$   
spec-3821-55535-0996.dr9



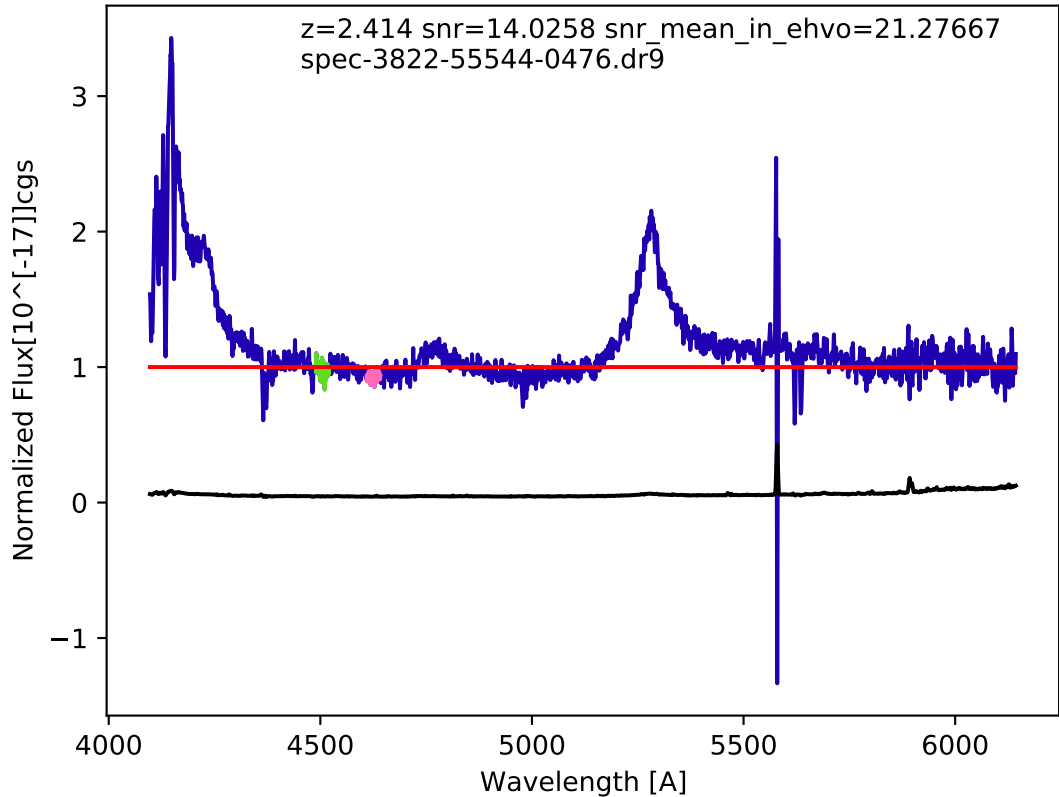
# Normalized Data vs. Normalized Error

$z=2.836$   $\text{snr}=11.0916$   $\text{snr\_mean\_in\_ehvo}=17.12837$   
spec-3822-55544-0044.dr9



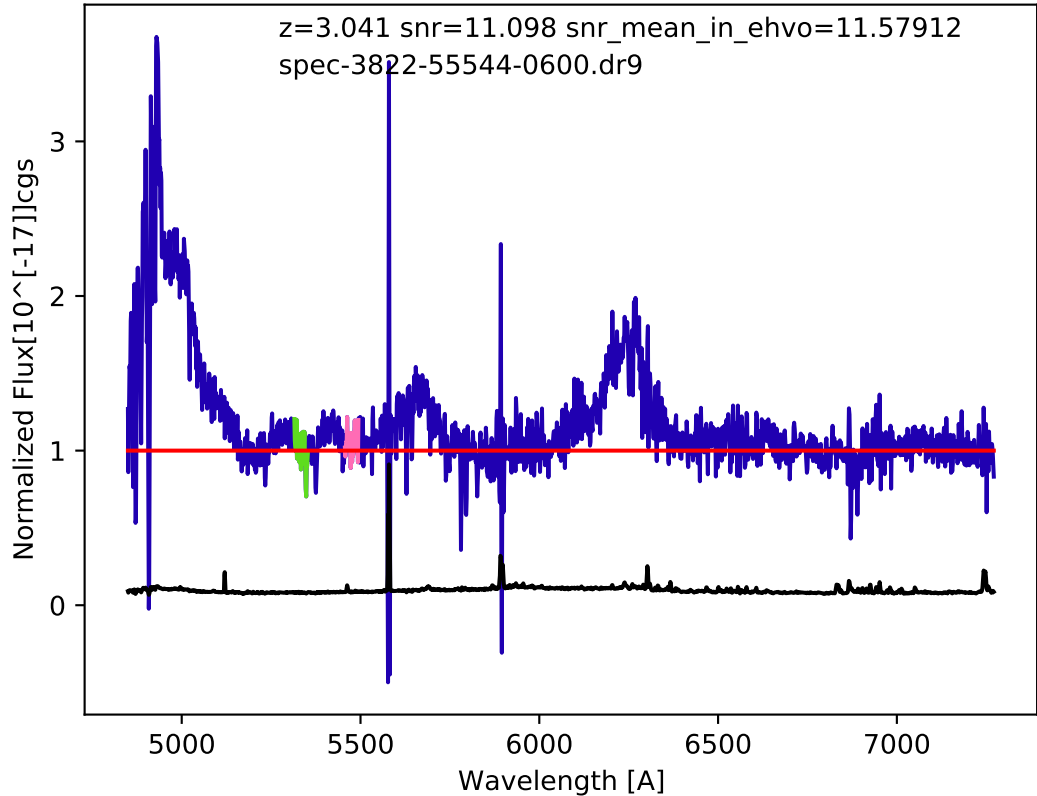
## Normalized Data vs. Normalized Error

$z=2.414$   $\text{snr}=14.0258$   $\text{snr\_mean\_in\_ehvo}=21.27667$   
spec-3822-55544-0476.dr9

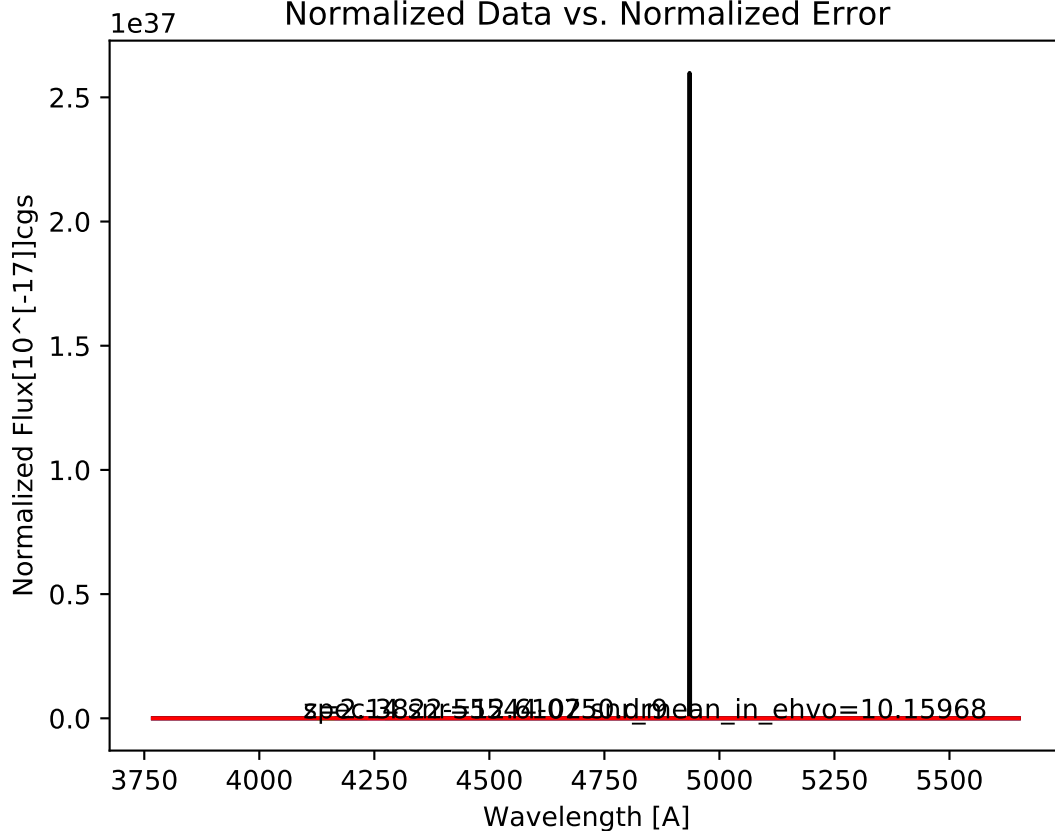


# Normalized Data vs. Normalized Error

z=3.041 snr=11.098 snr\_mean\_in\_ehvo=11.57912  
spec-3822-55544-0600.dr9

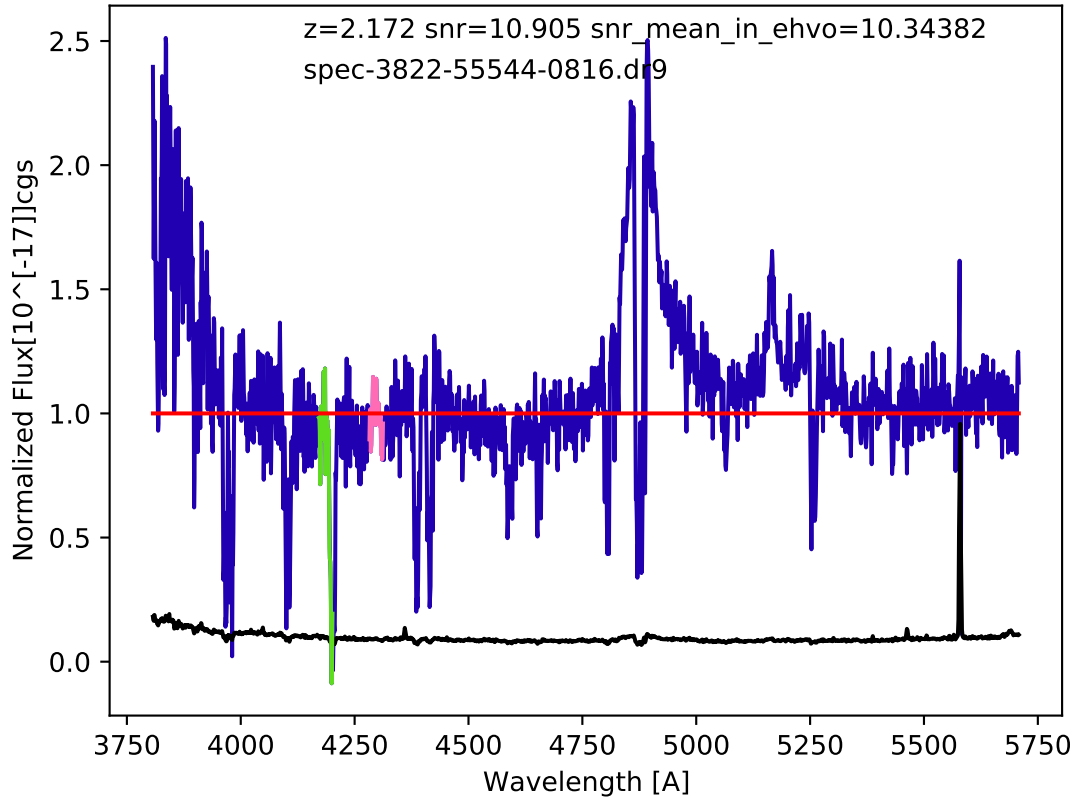


# Normalized Data vs. Normalized Error





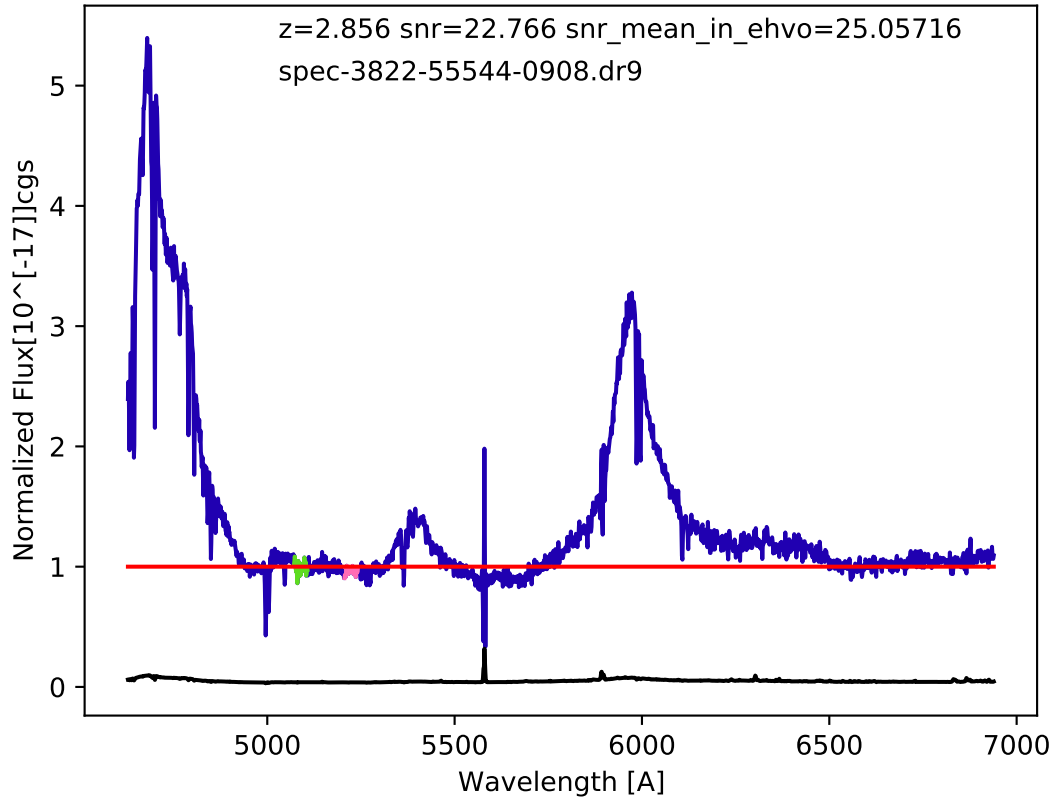
# Normalized Data vs. Normalized Error



## Normalized Data vs. Normalized Error

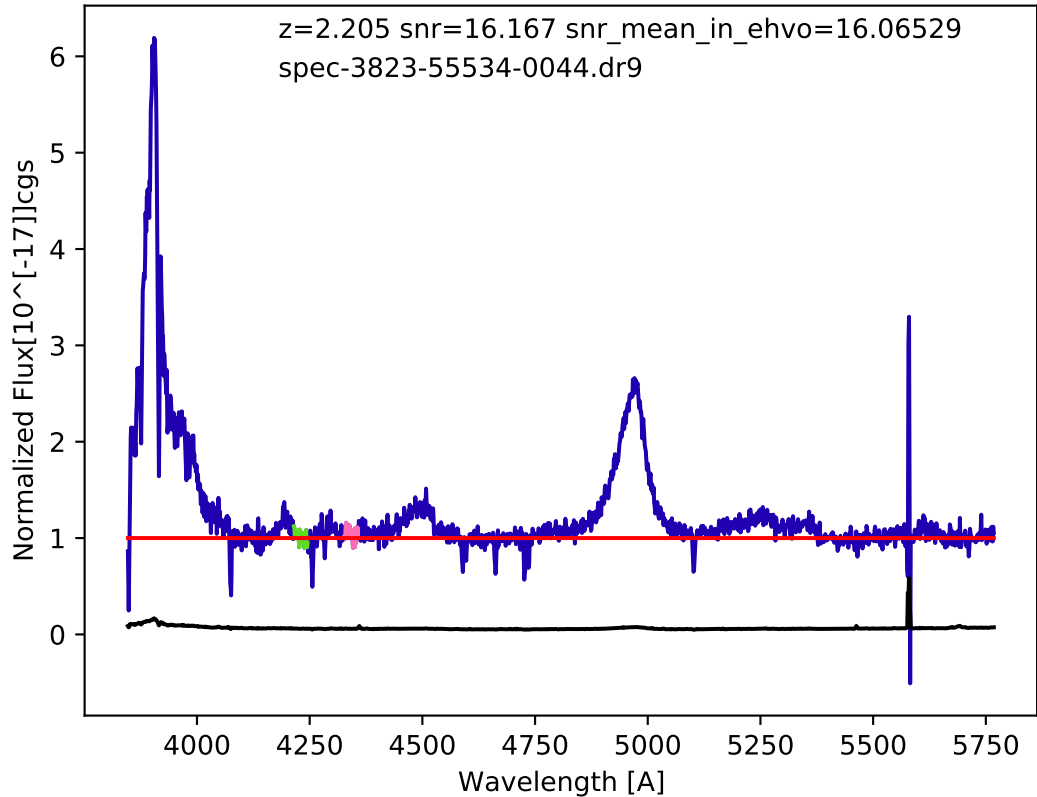
$z=2.856$   $\text{snr}=22.766$   $\text{snr\_mean\_in\_ehvo}=25.05716$

spec-3822-55544-0908.dr9



# Normalized Data vs. Normalized Error

z=2.205 snr=16.167 snr\_mean\_in\_ehvo=16.06529  
spec-3823-55534-0044.dr9

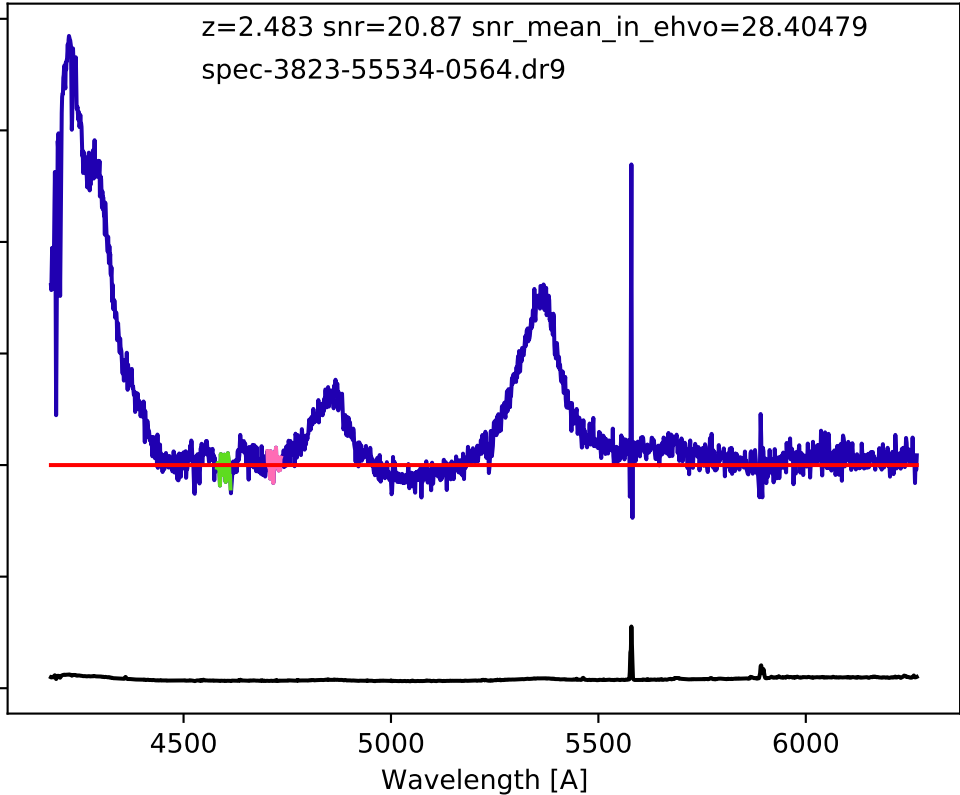


# Normalized Data vs. Normalized Error

$z=2.483$   $\text{snr}=20.87$   $\text{snr\_mean\_in\_ehvo}=28.40479$

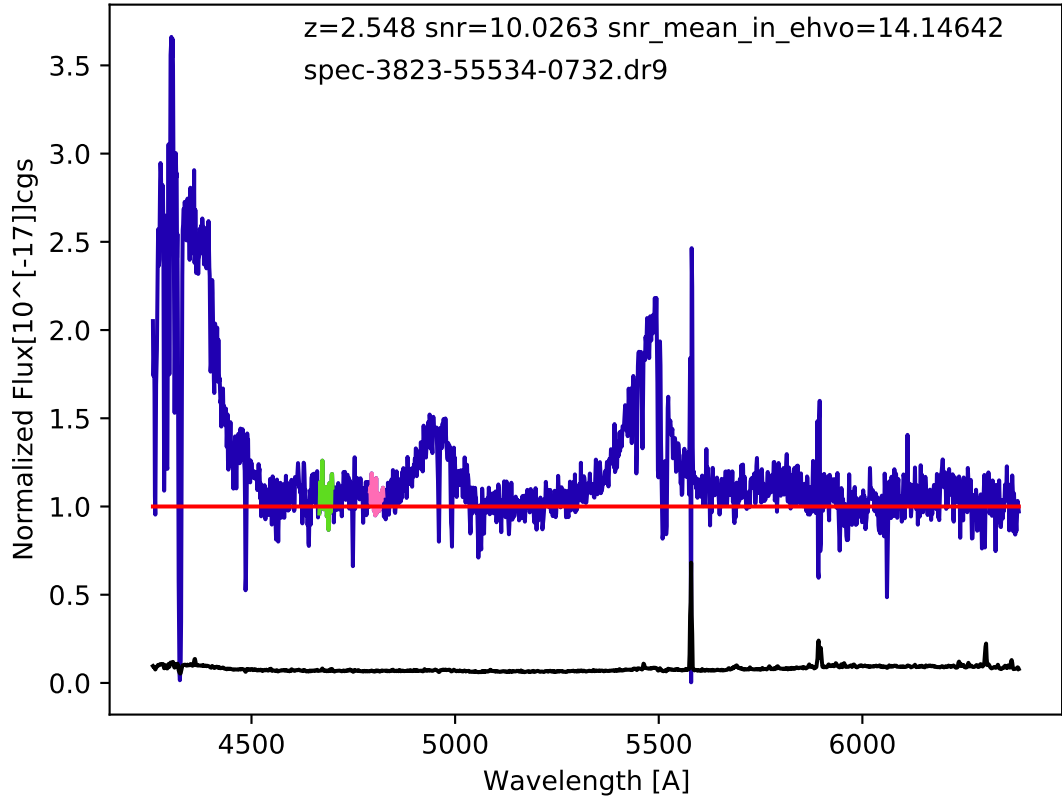
spec-3823-55534-0564.dr9

Normalized Flux[10<sup>-17</sup>]cgs



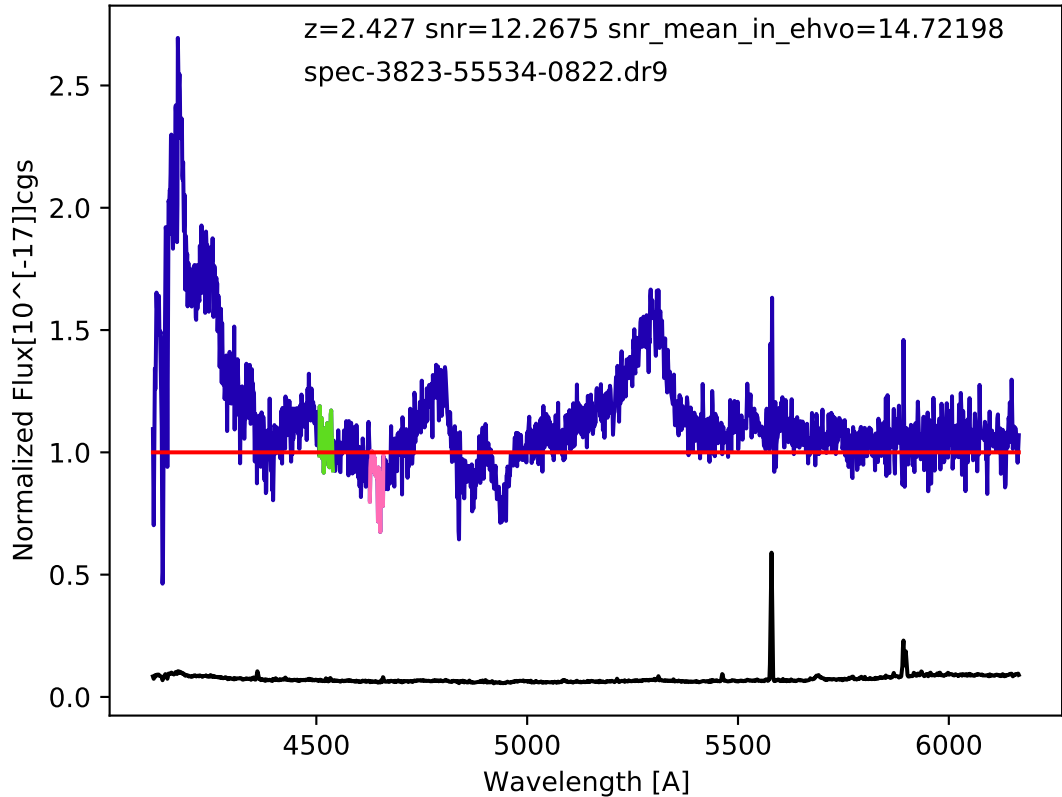
## Normalized Data vs. Normalized Error

$z=2.548$   $\text{snr}=10.0263$   $\text{snr\_mean\_in\_ehvo}=14.14642$   
spec-3823-55534-0732.dr9



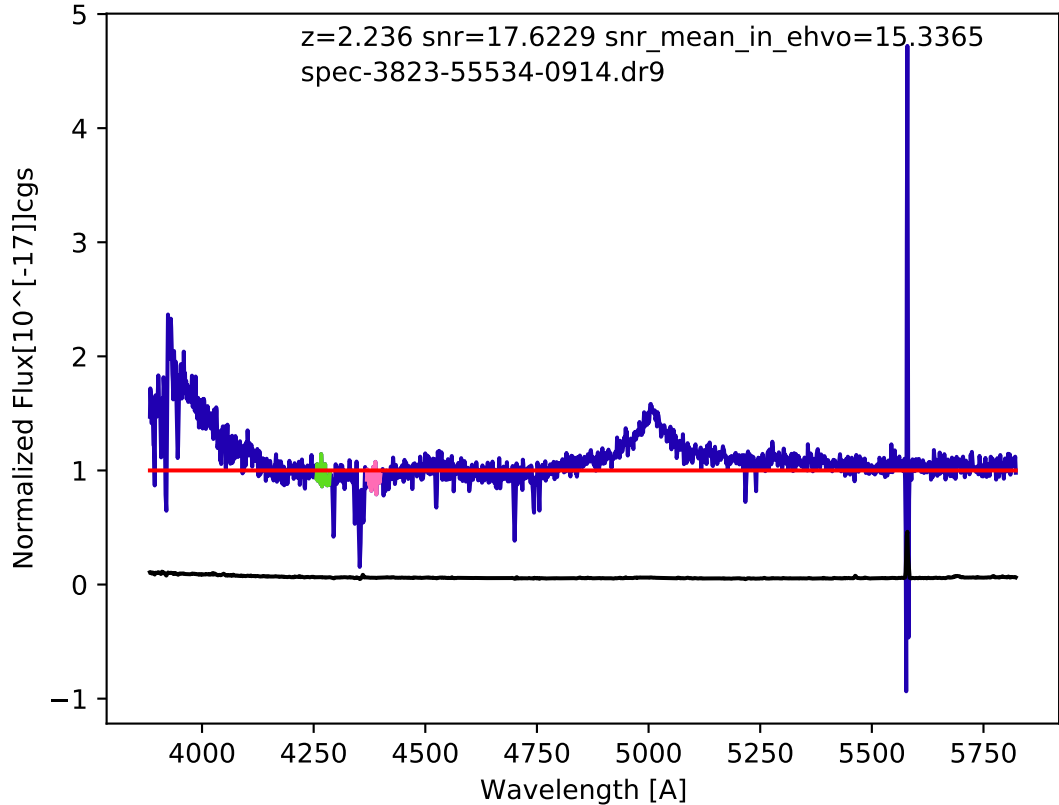
## Normalized Data vs. Normalized Error

z=2.427 snr=12.2675 snr\_mean\_in\_ehvo=14.72198  
spec-3823-55534-0822.dr9



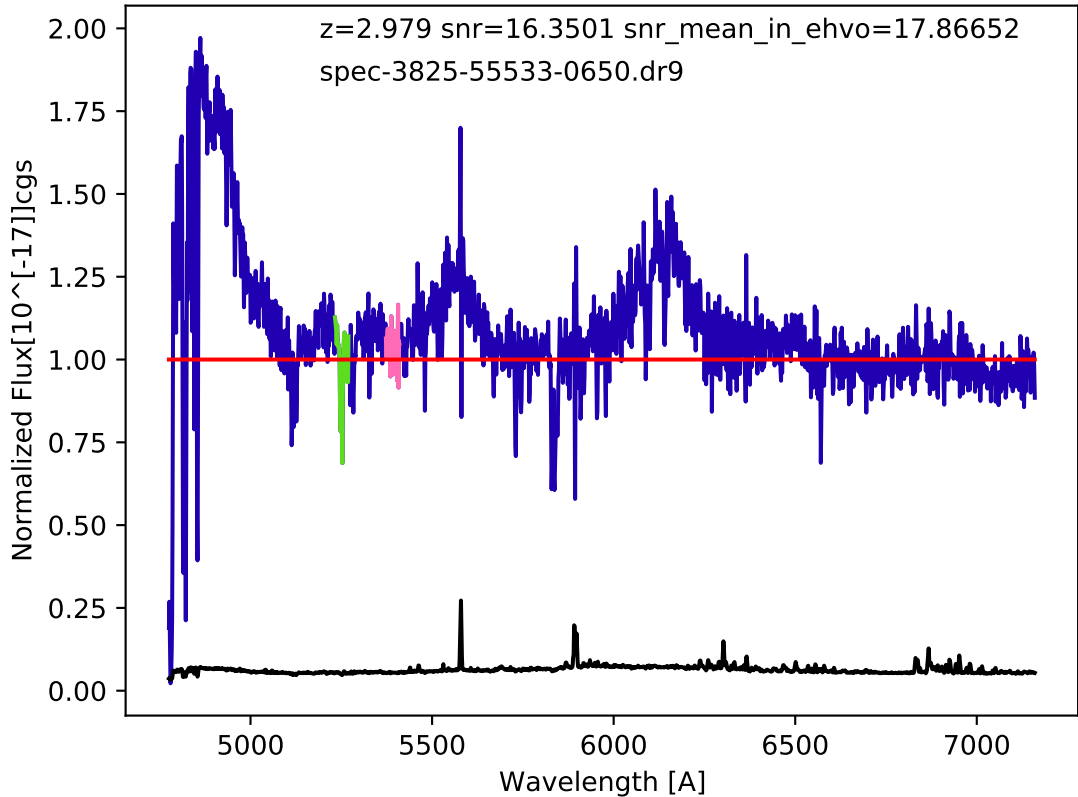
# Normalized Data vs. Normalized Error

z=2.236 snr=17.6229 snr\_mean\_in\_ehvo=15.3365  
spec-3823-55534-0914.dr9



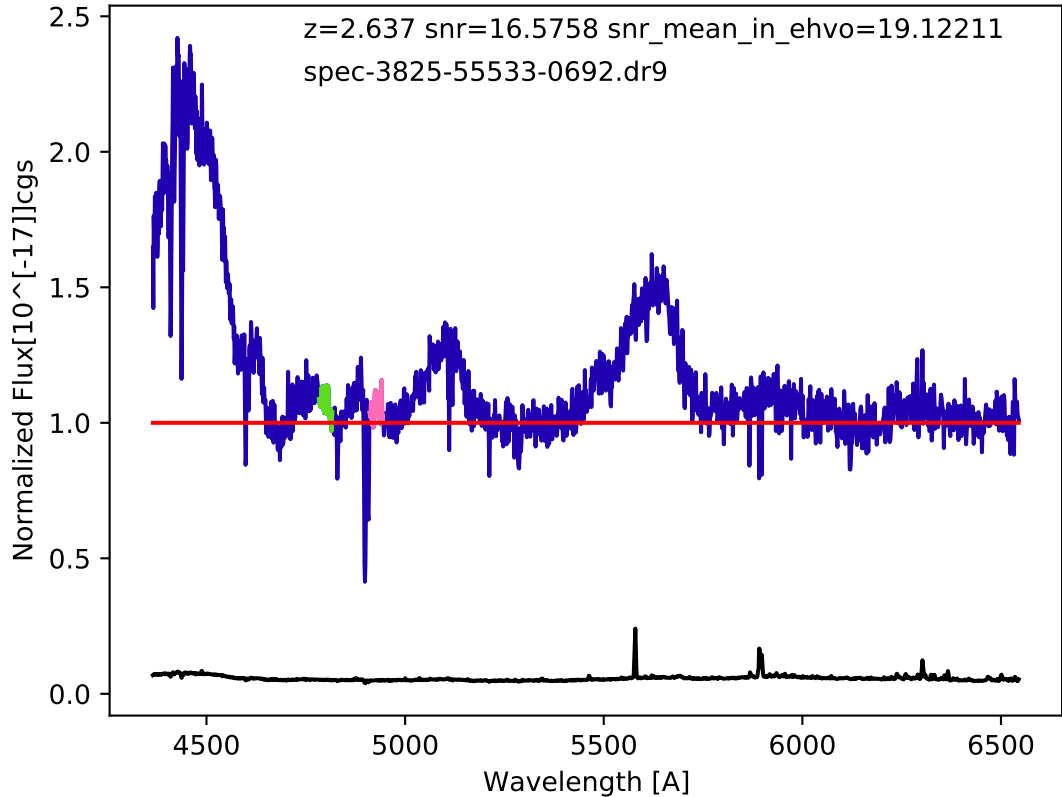
# Normalized Data vs. Normalized Error

z=2.979 snr=16.3501 snr\_mean\_in\_ehvo=17.86652  
spec-3825-55533-0650.dr9



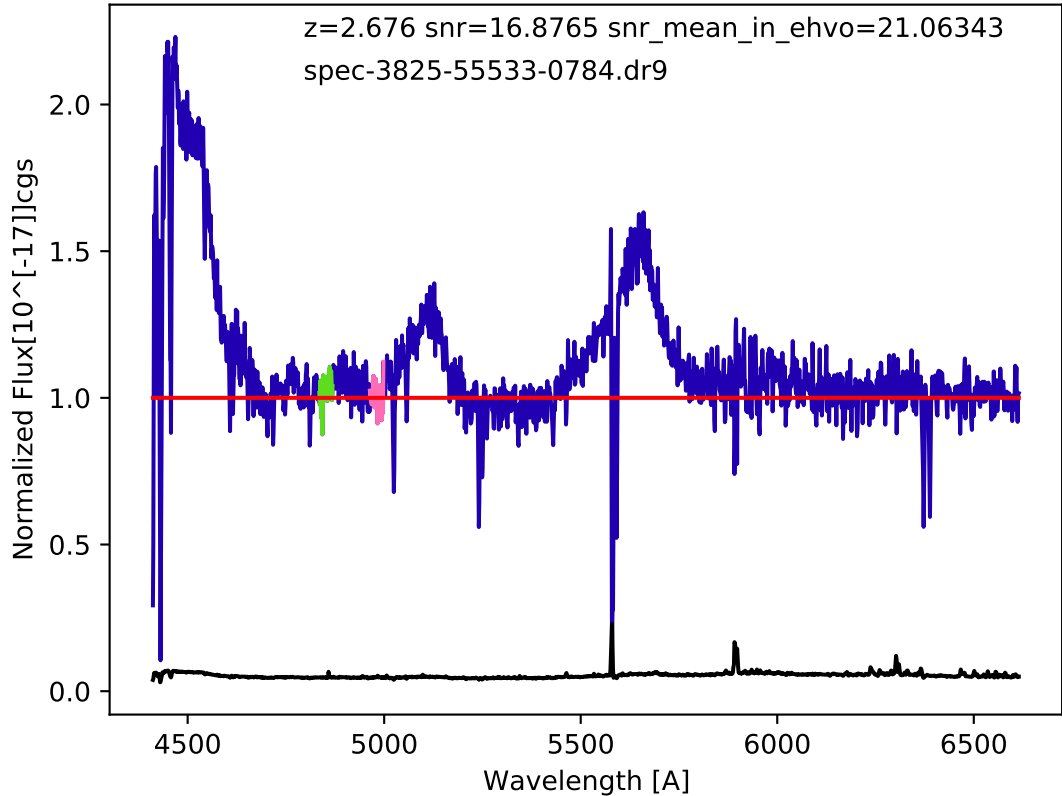


## Normalized Data vs. Normalized Error



## Normalized Data vs. Normalized Error

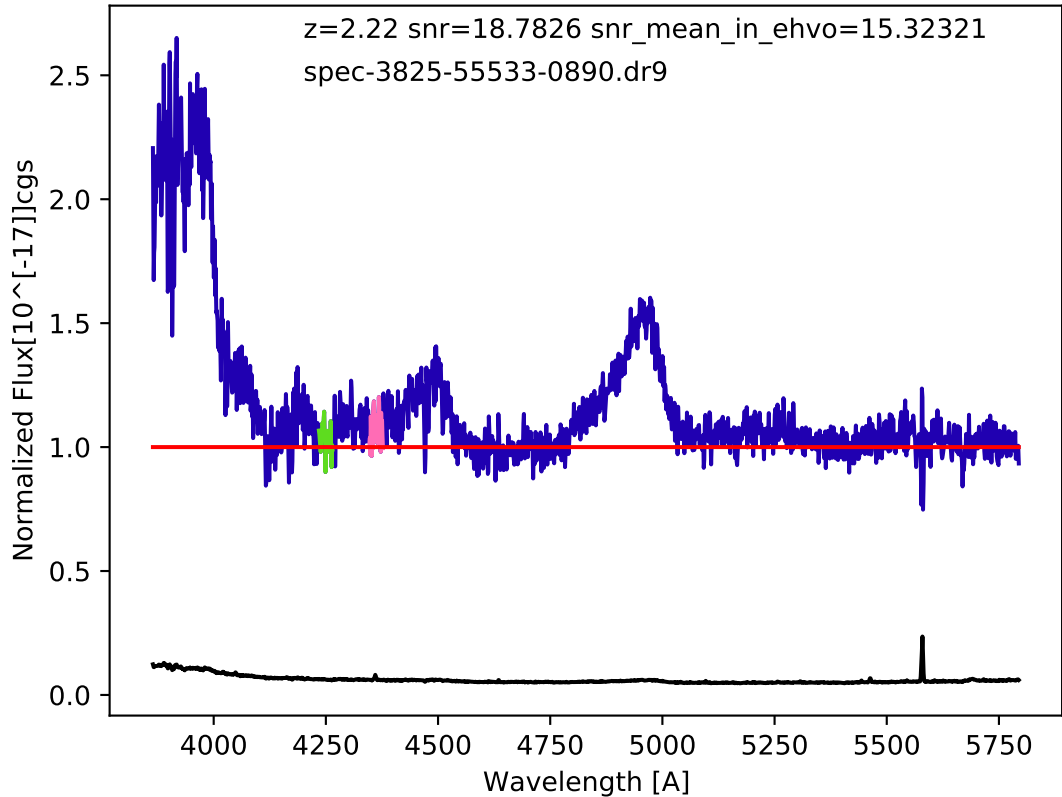
$z=2.676$   $\text{snr}=16.8765$   $\text{snr\_mean\_in\_ehvo}=21.06343$   
spec-3825-55533-0784.dr9



## Normalized Data vs. Normalized Error

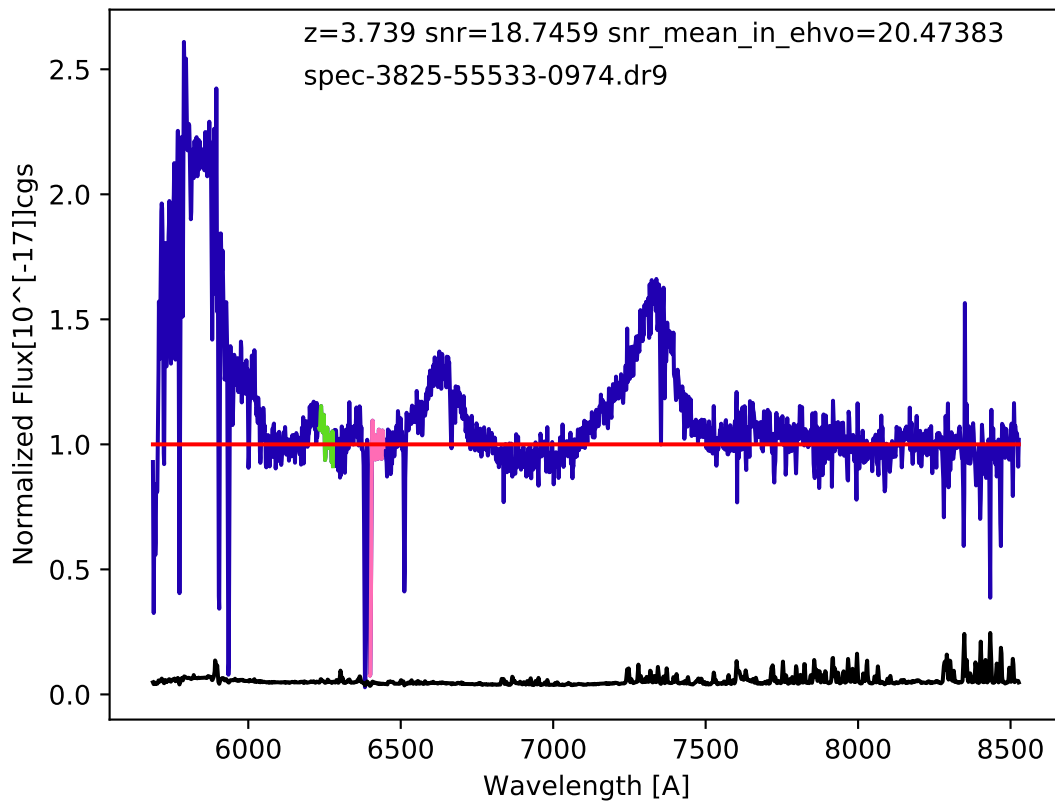
$z=2.22$   $\text{snr}=18.7826$   $\text{snr\_mean\_in\_ehvo}=15.32321$

spec-3825-55533-0890.dr9



## Normalized Data vs. Normalized Error

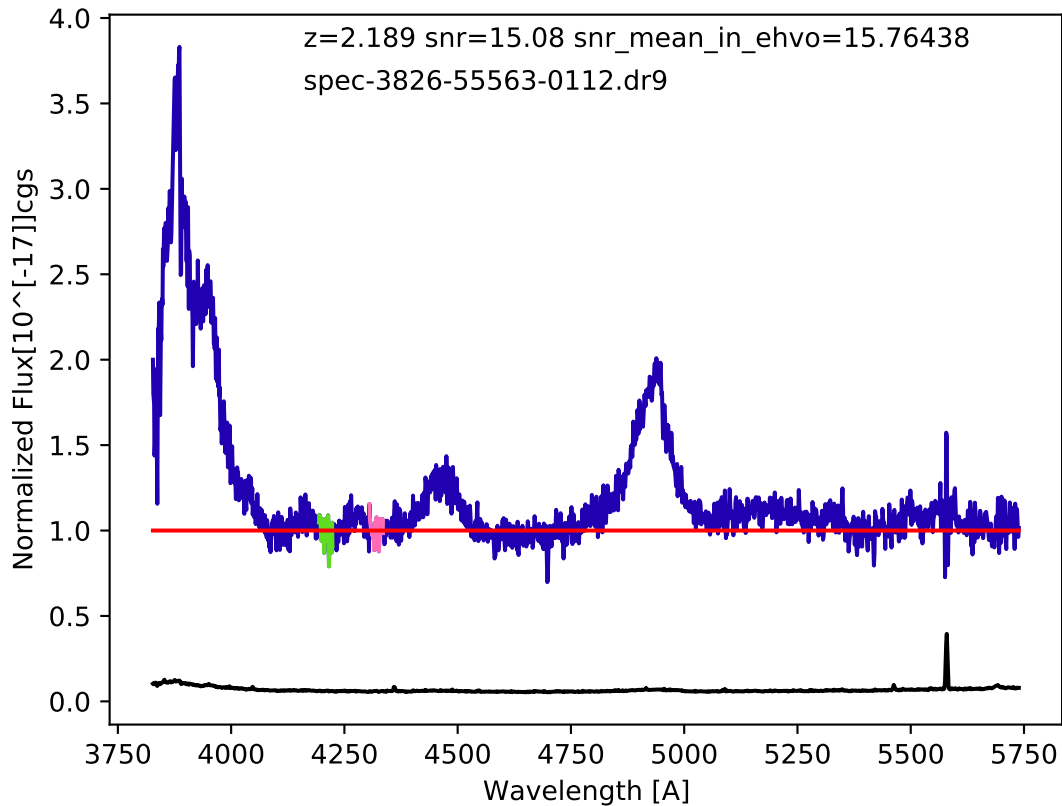
$z=3.739$   $\text{snr}=18.7459$   $\text{snr\_mean\_in\_ehvo}=20.47383$   
spec-3825-55533-0974.dr9



## Normalized Data vs. Normalized Error

$z=2.189$   $\text{snr}=15.08$   $\text{snr\_mean\_in\_ehvo}=15.76438$

spec-3826-55563-0112.dr9

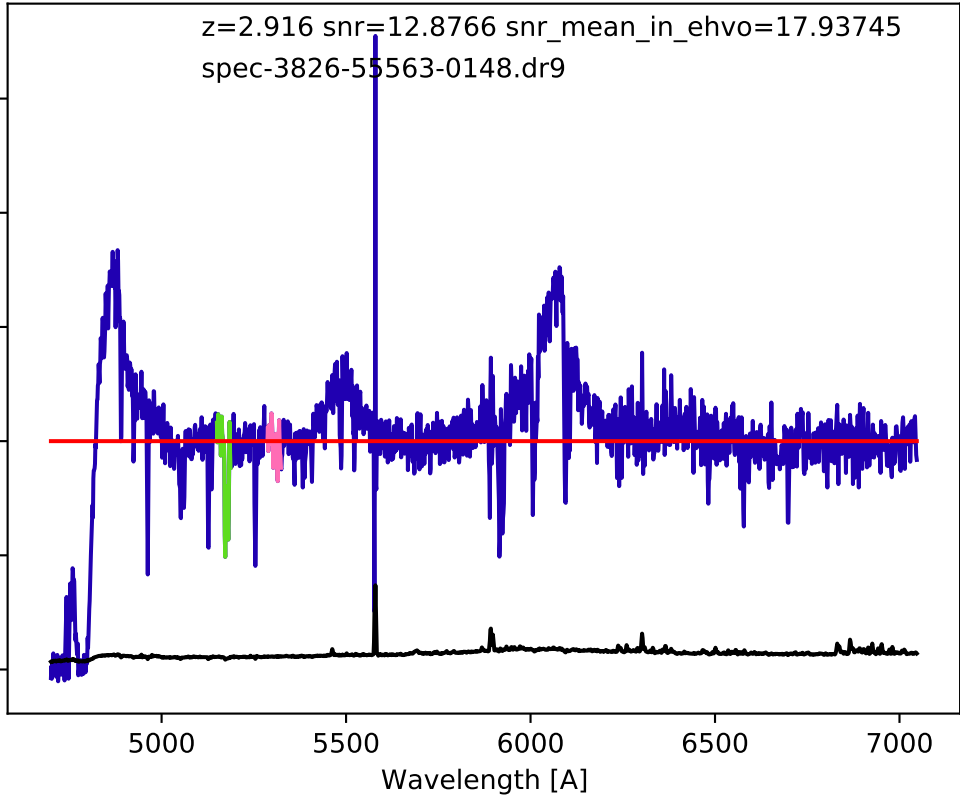


# Normalized Data vs. Normalized Error

$z=2.916$   $\text{snr}=12.8766$   $\text{snr\_mean\_in\_ehvo}=17.93745$   
spec-3826-55563-0148.dr9

Normalized Flux[ $10^{-17}$ W/m<sup>2</sup>/nm]

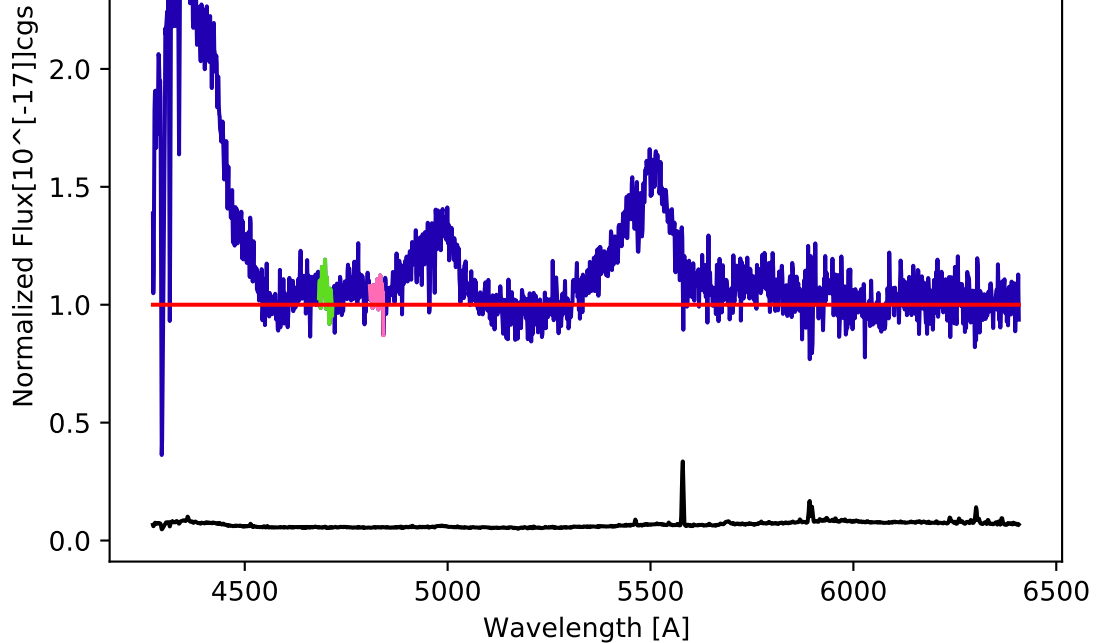
2.5  
2.0  
1.5  
1.0  
0.5  
0.0



Wavelength [Å]

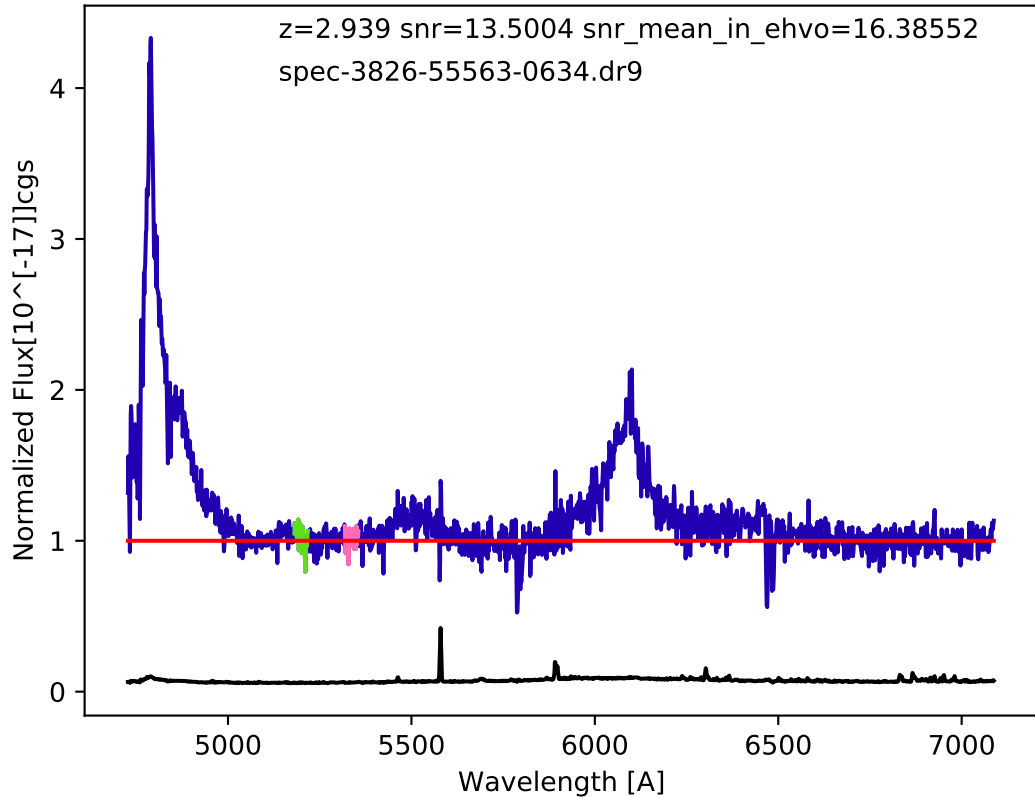
## Normalized Data vs. Normalized Error

$z=2.561$   $\text{snr}=11.7713$   $\text{snr\_mean\_in\_ehvo}=17.48182$   
spec-3826-55563-0190.dr9



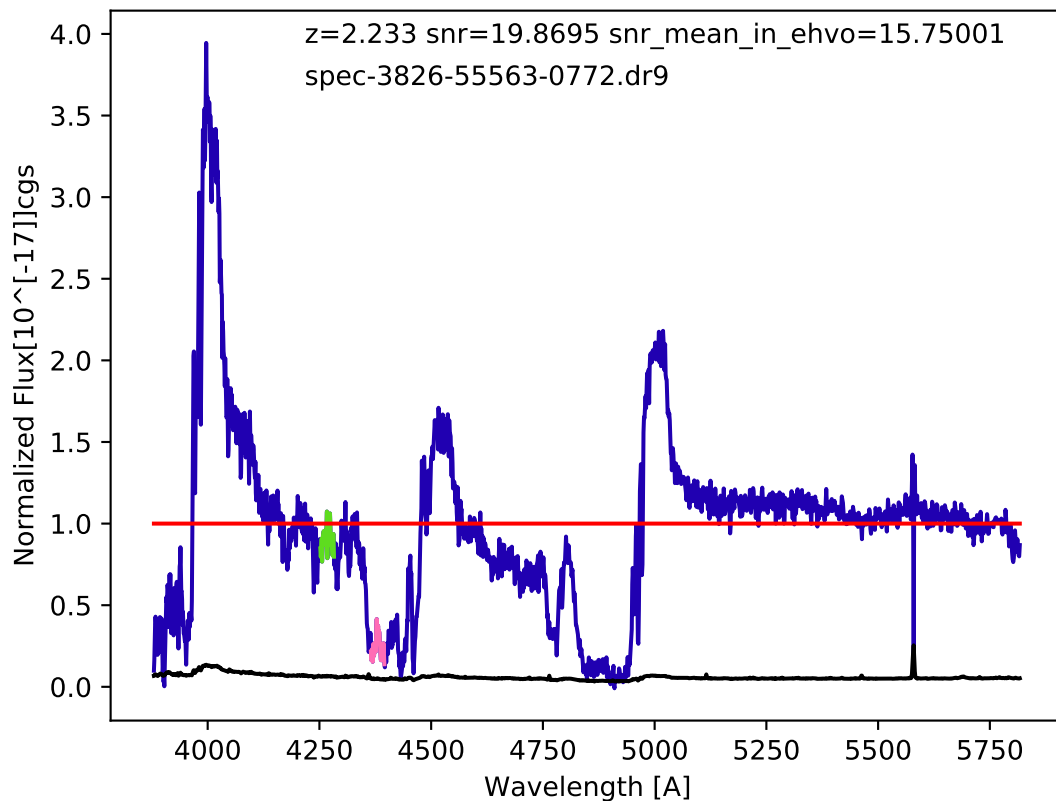
## Normalized Data vs. Normalized Error

$z=2.939$   $\text{snr}=13.5004$   $\text{snr\_mean\_in\_ehvo}=16.38552$   
spec-3826-55563-0634.dr9



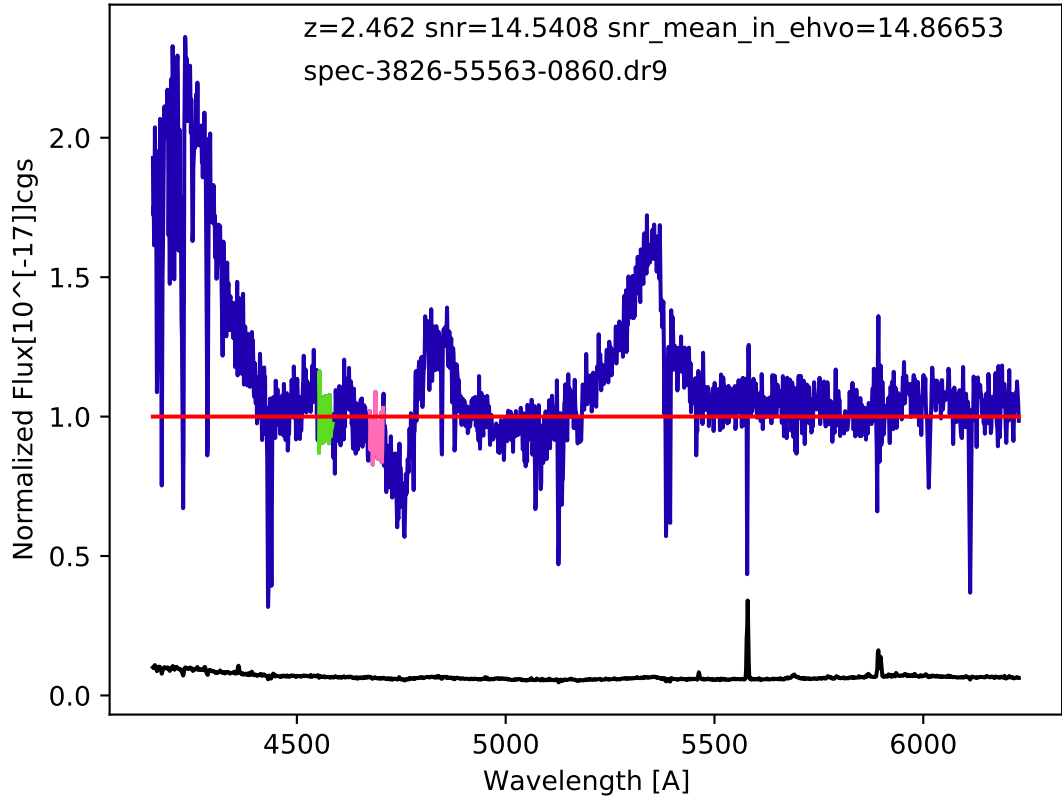


## Normalized Data vs. Normalized Error



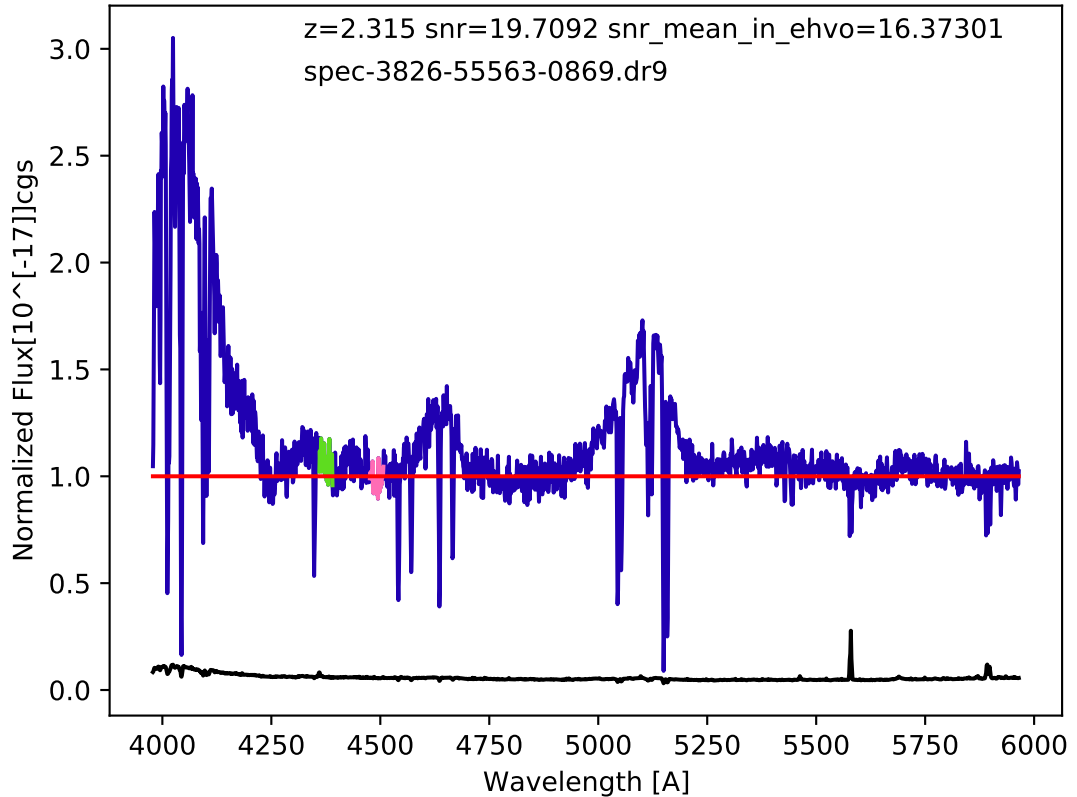
## Normalized Data vs. Normalized Error

$z=2.462$   $\text{snr}=14.5408$   $\text{snr\_mean\_in\_ehvo}=14.86653$   
spec-3826-55563-0860.dr9



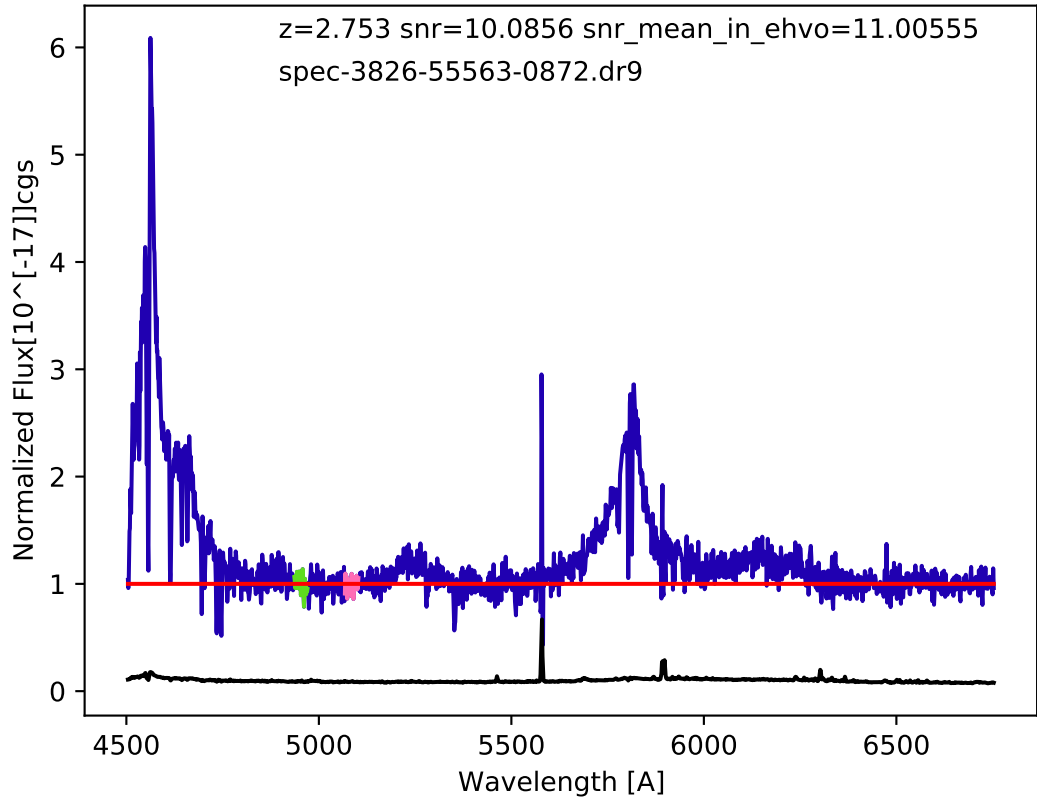
## Normalized Data vs. Normalized Error

z=2.315 snr=19.7092 snr\_mean\_in\_ehvo=16.37301  
spec-3826-55563-0869.dr9



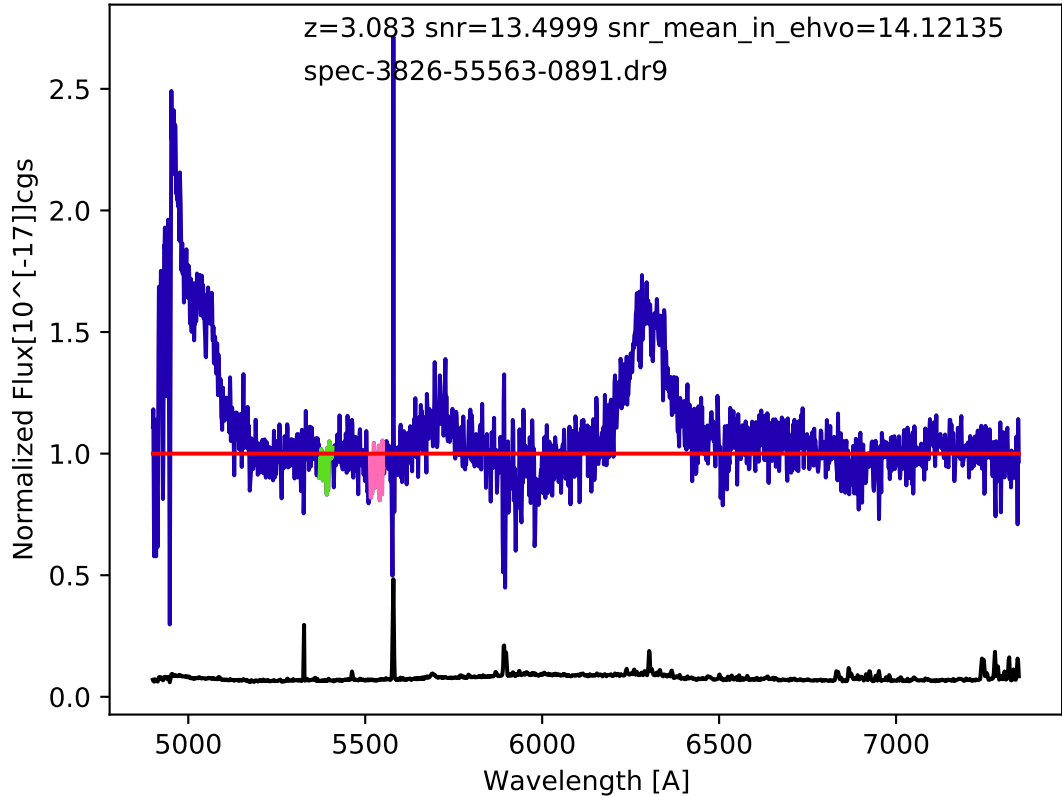
## Normalized Data vs. Normalized Error

z=2.753 snr=10.0856 snr\_mean\_in\_ehvo=11.00555  
spec-3826-55563-0872.dr9



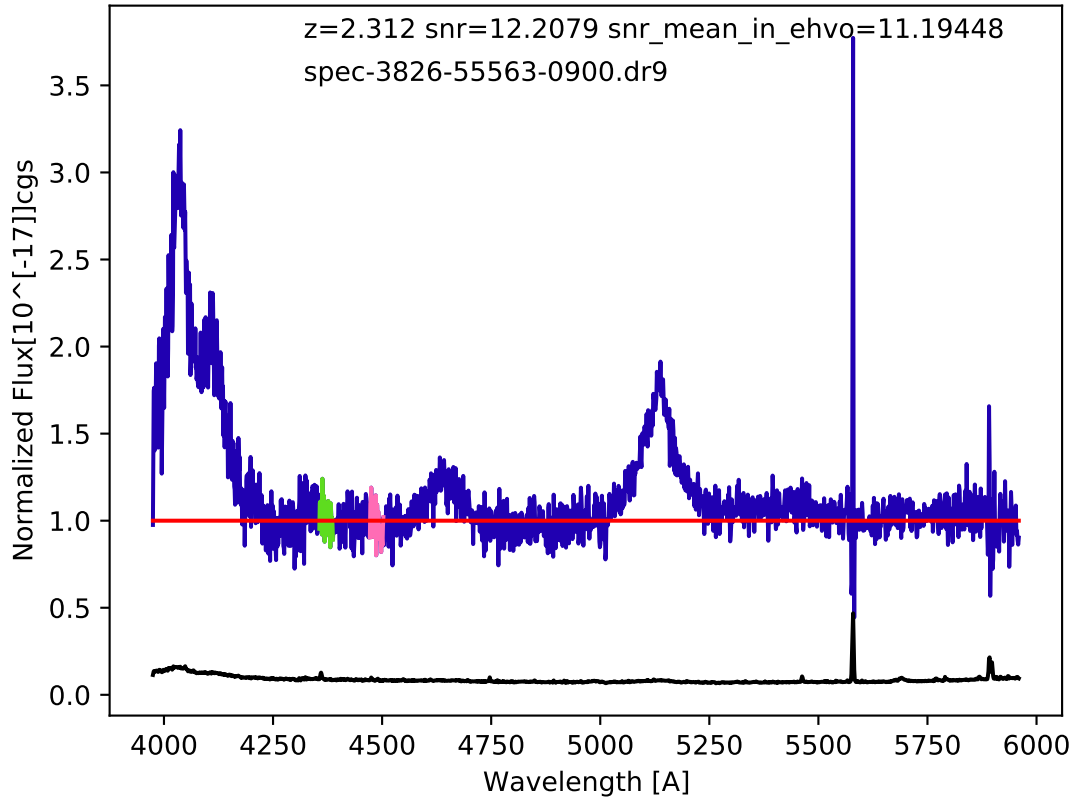
# Normalized Data vs. Normalized Error

z=3.083 snr=13.4999 snr\_mean\_in\_ehvo=14.12135  
spec-3826-55563-0891.dr9



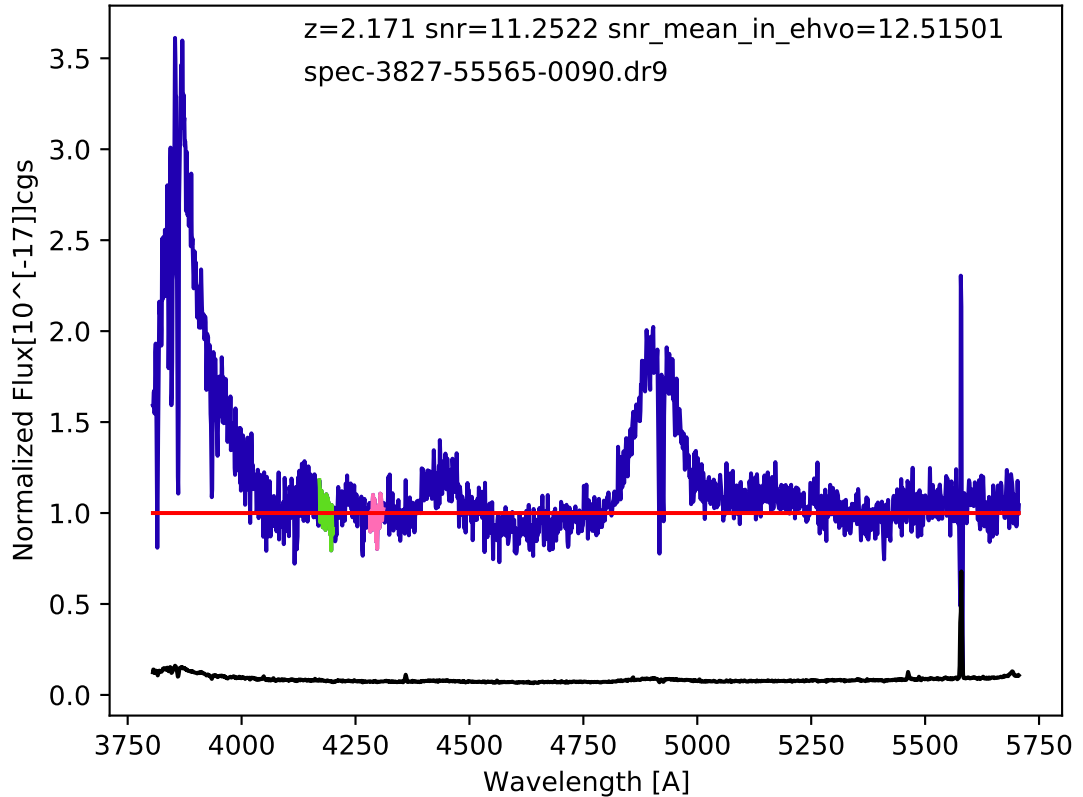
# Normalized Data vs. Normalized Error

z=2.312 snr=12.2079 snr\_mean\_in\_ehvo=11.19448  
spec-3826-55563-0900.dr9



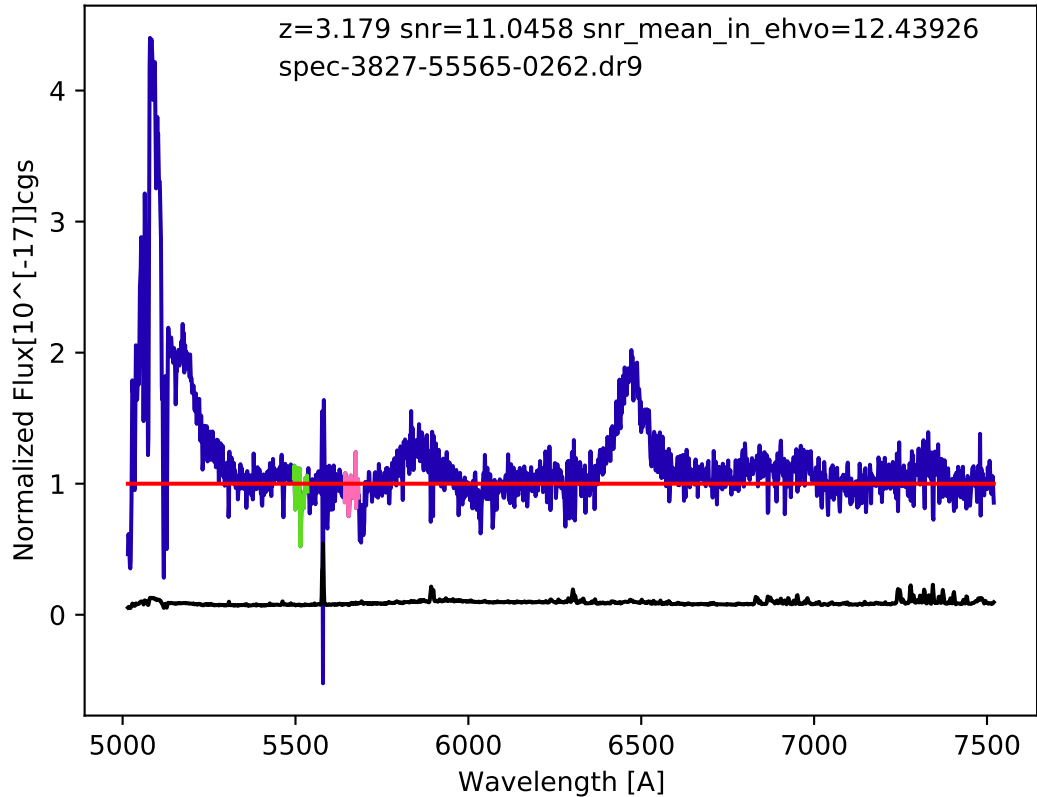
# Normalized Data vs. Normalized Error

z=2.171 snr=11.2522 snr\_mean\_in\_ehvo=12.51501  
spec-3827-55565-0090.dr9



# Normalized Data vs. Normalized Error

$z=3.179$   $\text{snr}=11.0458$   $\text{snr\_mean\_in\_ehvo}=12.43926$   
spec-3827-55565-0262.dr9



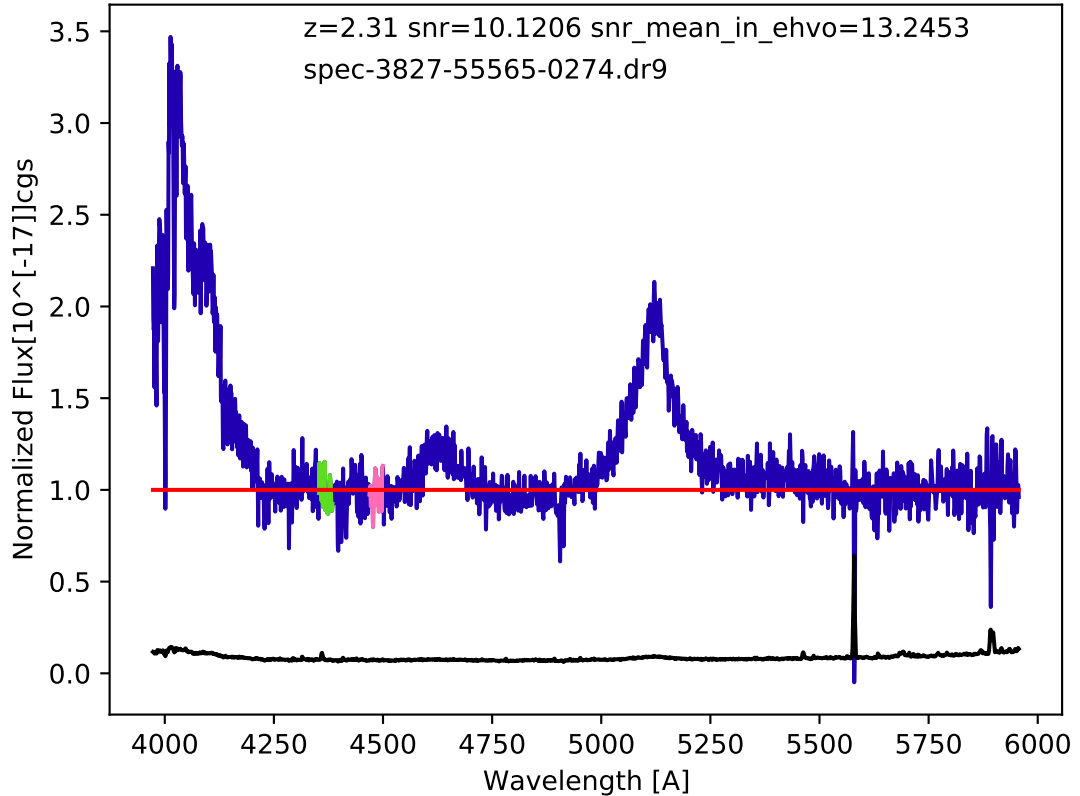


# Normalized Data vs. Normalized Error

$z=2.31$   $\text{snr}=10.1206$   $\text{snr\_mean\_in\_ehvo}=13.2453$

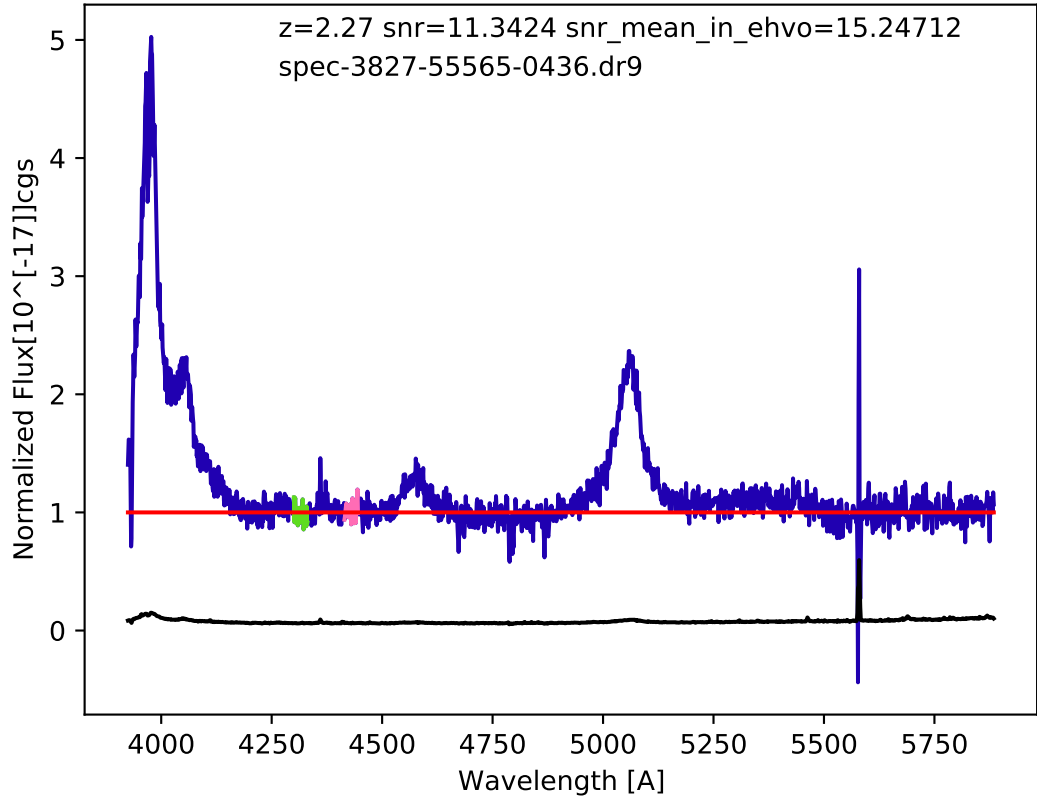
spec-3827-55565-0274.dr9

Normalized Flux[ $10^{-17}$ W/m<sup>2</sup>/nm]



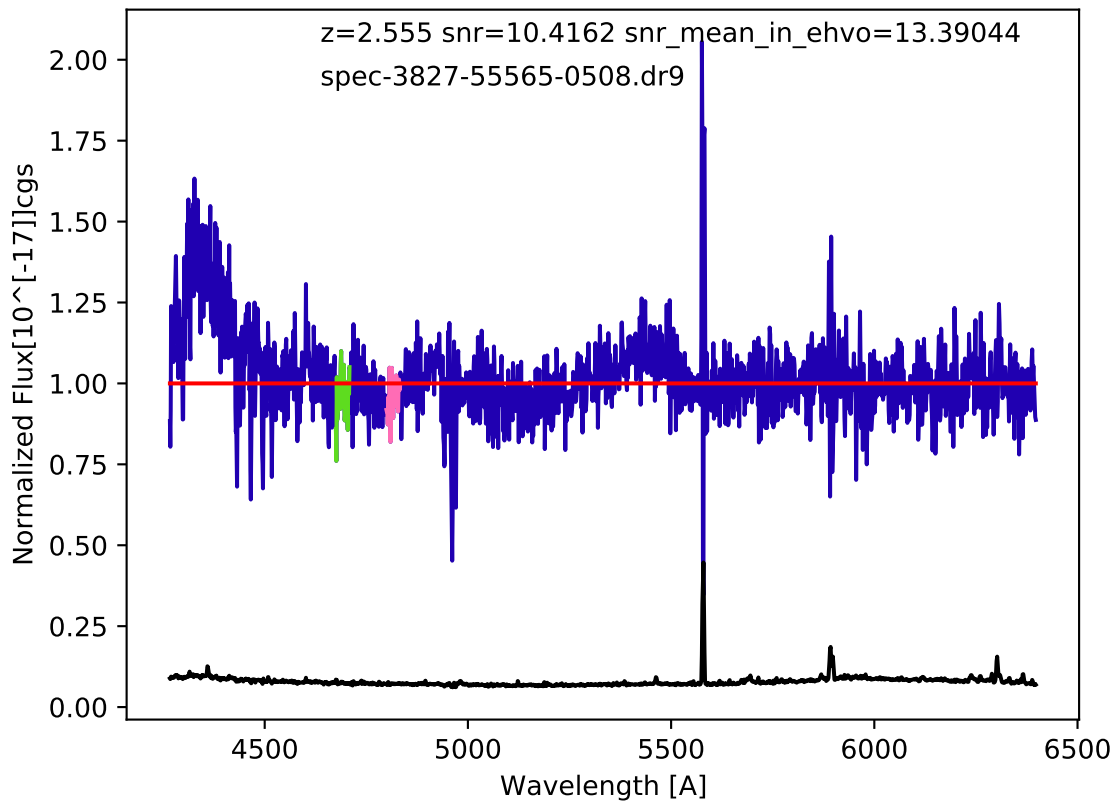
## Normalized Data vs. Normalized Error

$z=2.27$   $\text{snr}=11.3424$   $\text{snr\_mean\_in\_ehvo}=15.24712$   
spec-3827-55565-0436.dr9

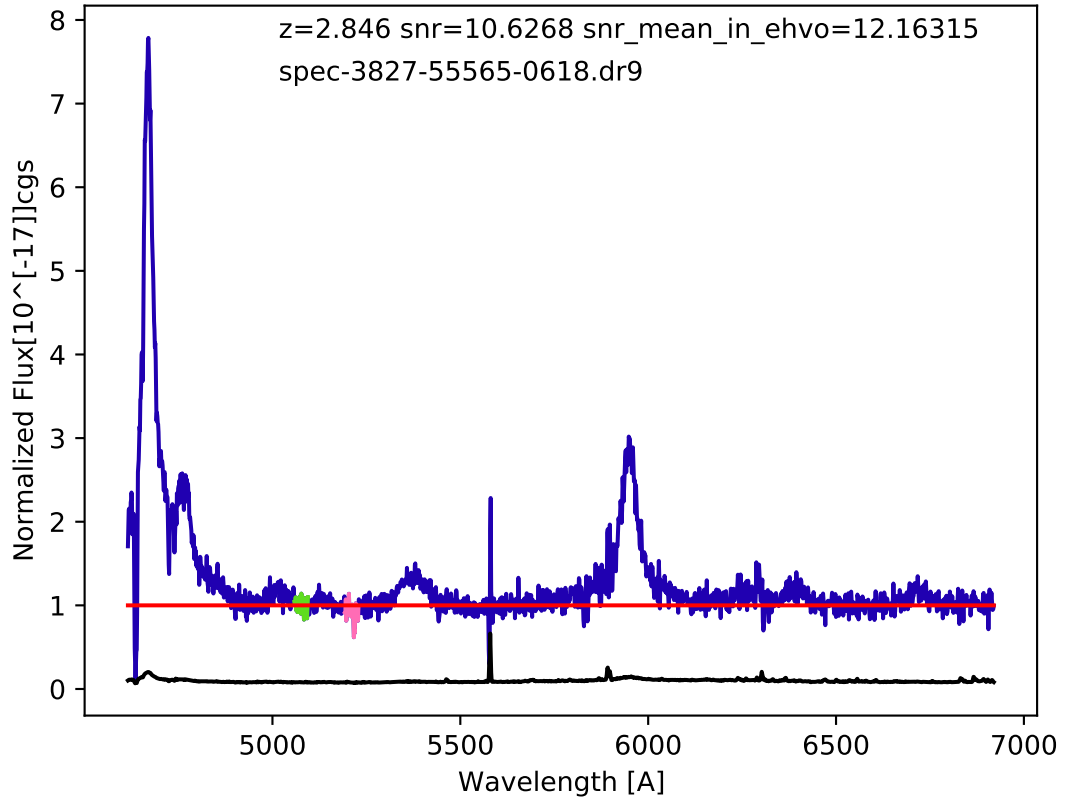


# Normalized Data vs. Normalized Error

z=2.555 snr=10.4162 snr\_mean\_in\_ehvo=13.39044  
spec-3827-55565-0508.dr9

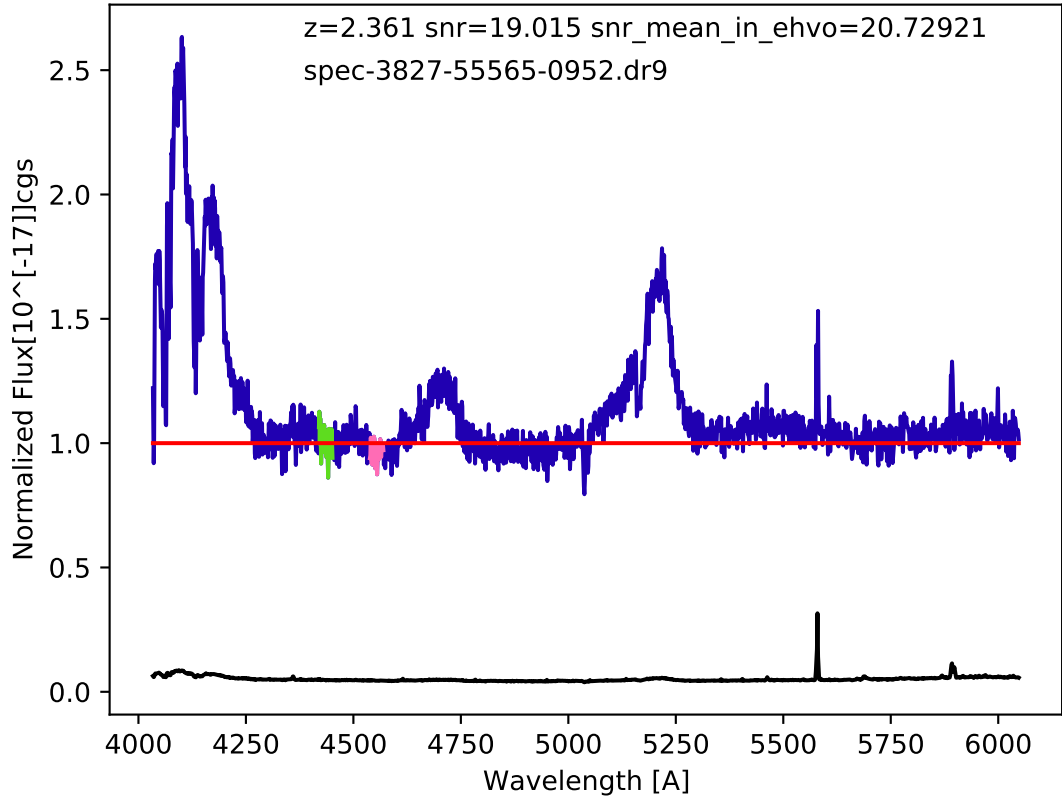


# Normalized Data vs. Normalized Error



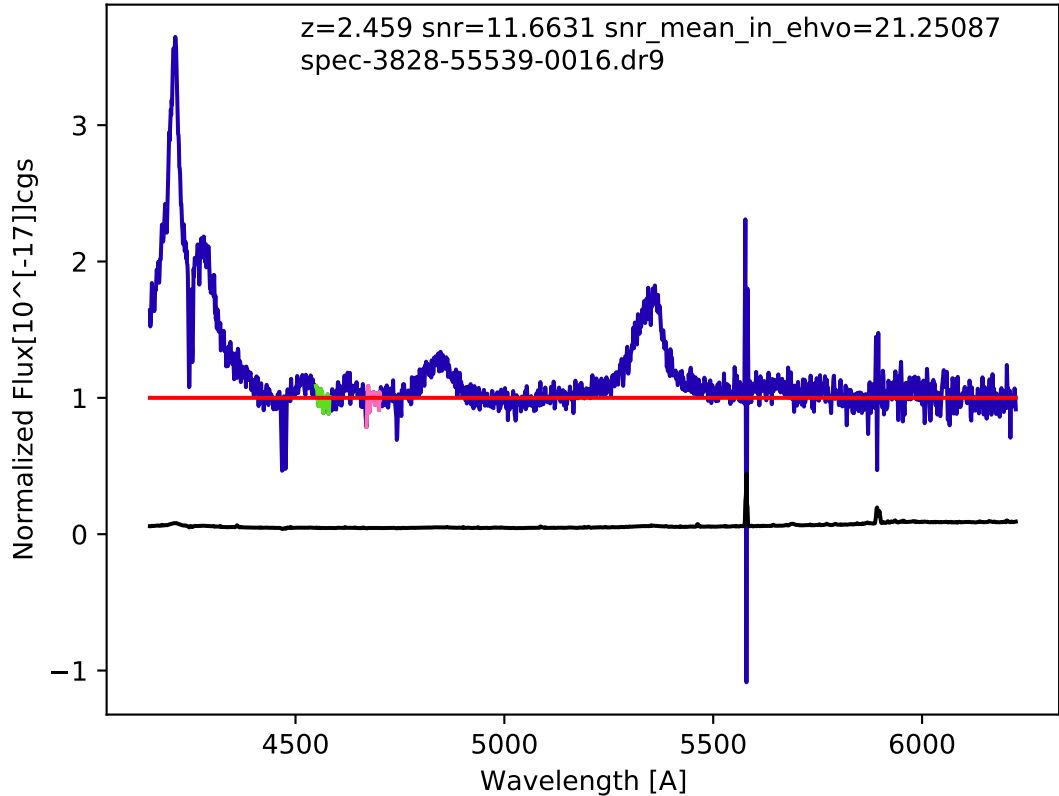
## Normalized Data vs. Normalized Error

z=2.361 snr=19.015 snr\_mean\_in\_ehvo=20.72921  
spec-3827-55565-0952.dr9



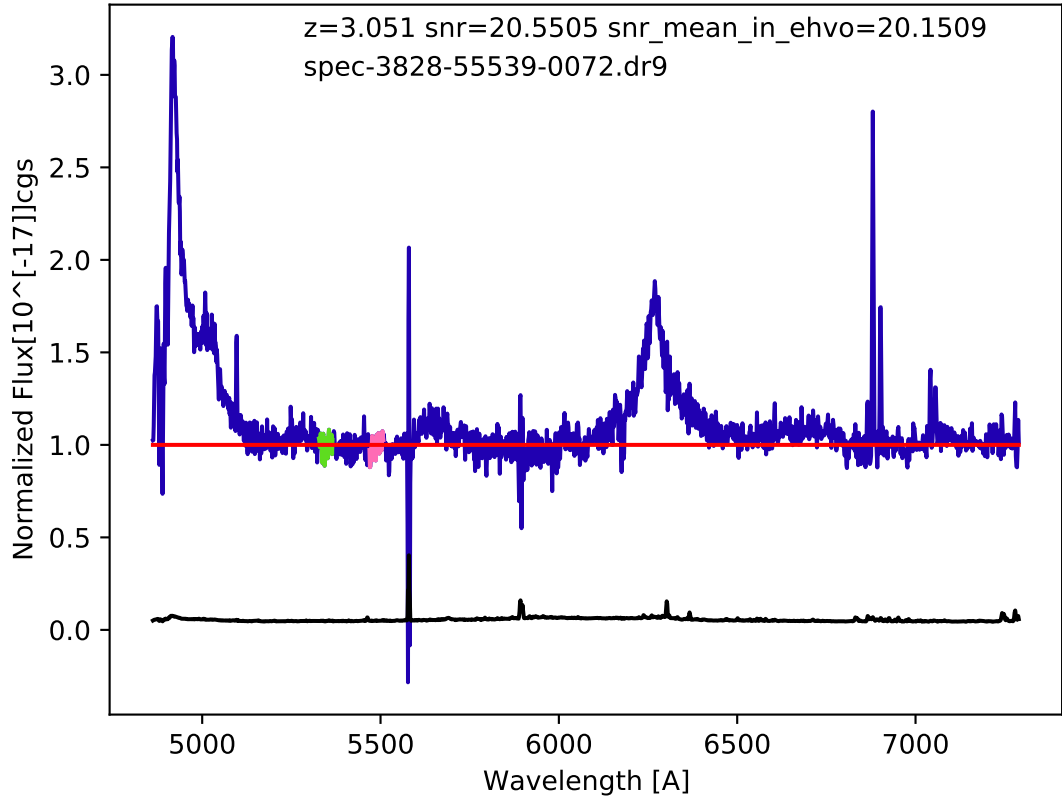
# Normalized Data vs. Normalized Error

z=2.459 snr=11.6631 snr\_mean\_in\_ehvo=21.25087  
spec-3828-55539-0016.dr9

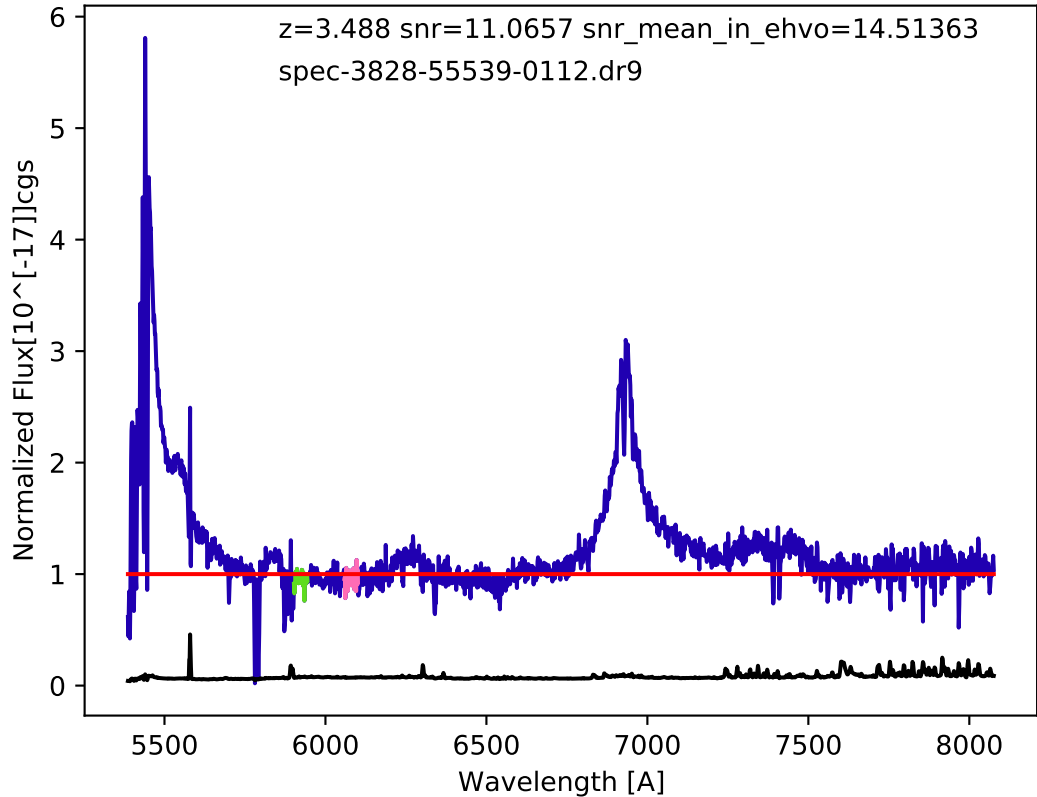


## Normalized Data vs. Normalized Error

$z=3.051$   $\text{snr}=20.5505$   $\text{snr\_mean\_in\_ehvo}=20.1509$   
spec-3828-55539-0072.dr9



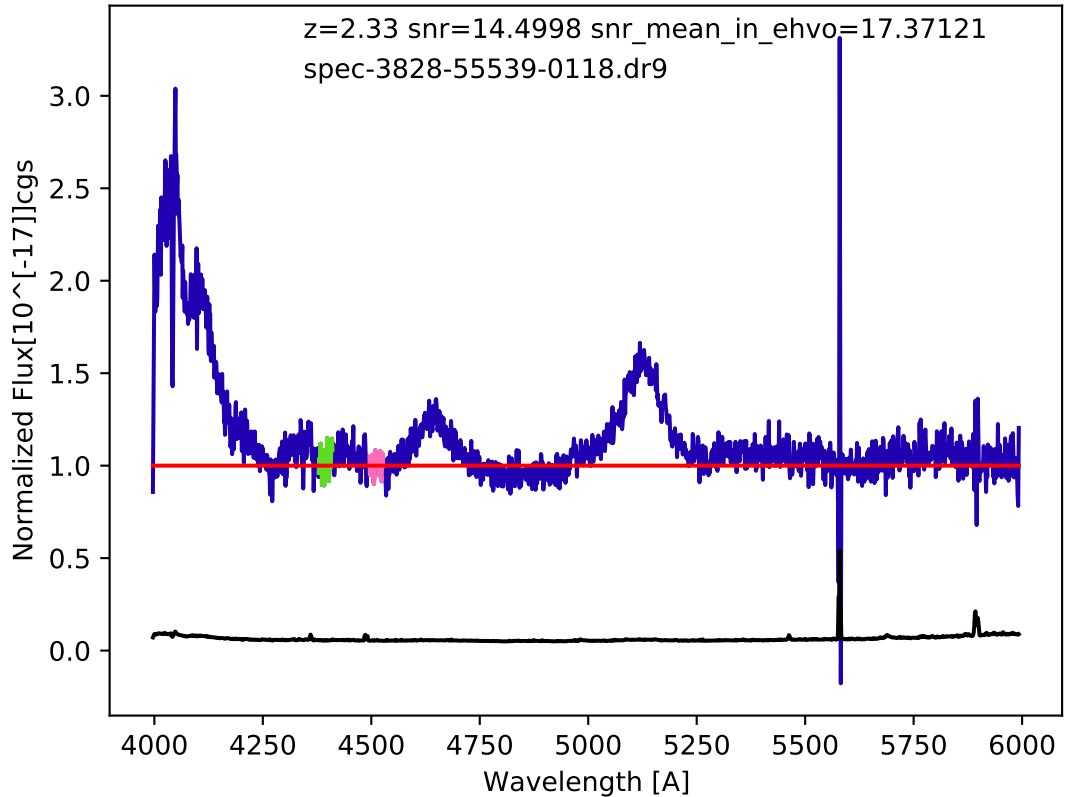
## Normalized Data vs. Normalized Error





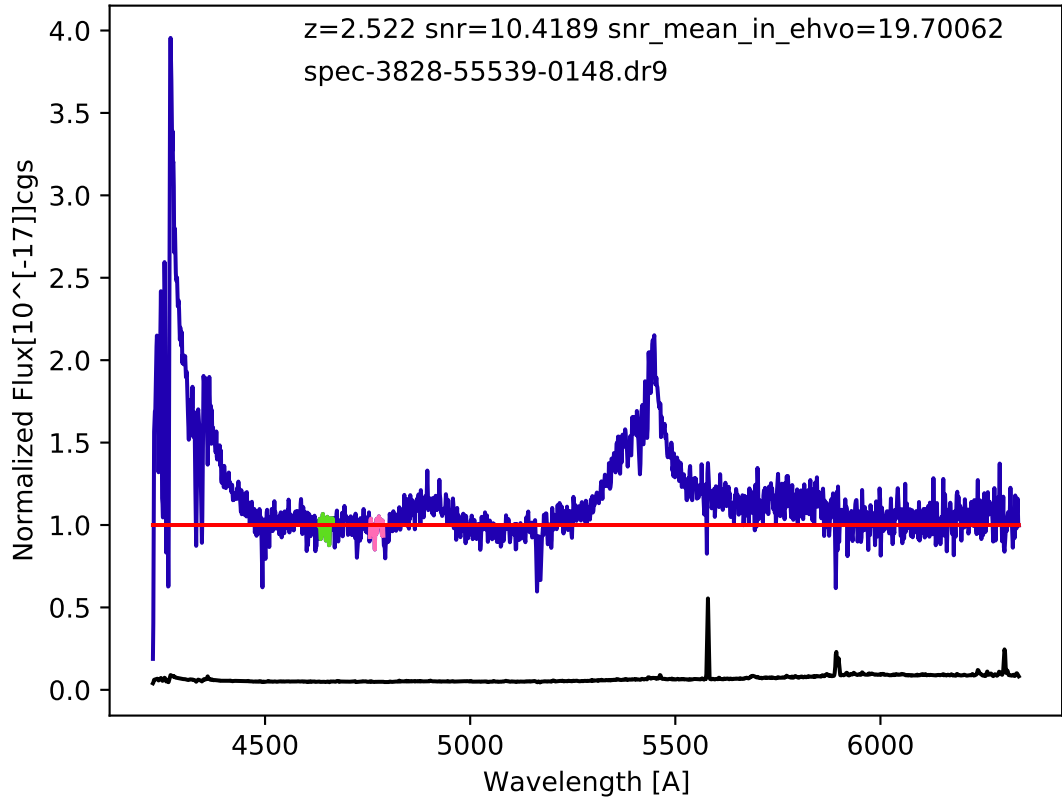
# Normalized Data vs. Normalized Error

z=2.33 snr=14.4998 snr\_mean\_in\_ehvo=17.37121  
spec-3828-55539-0118.dr9



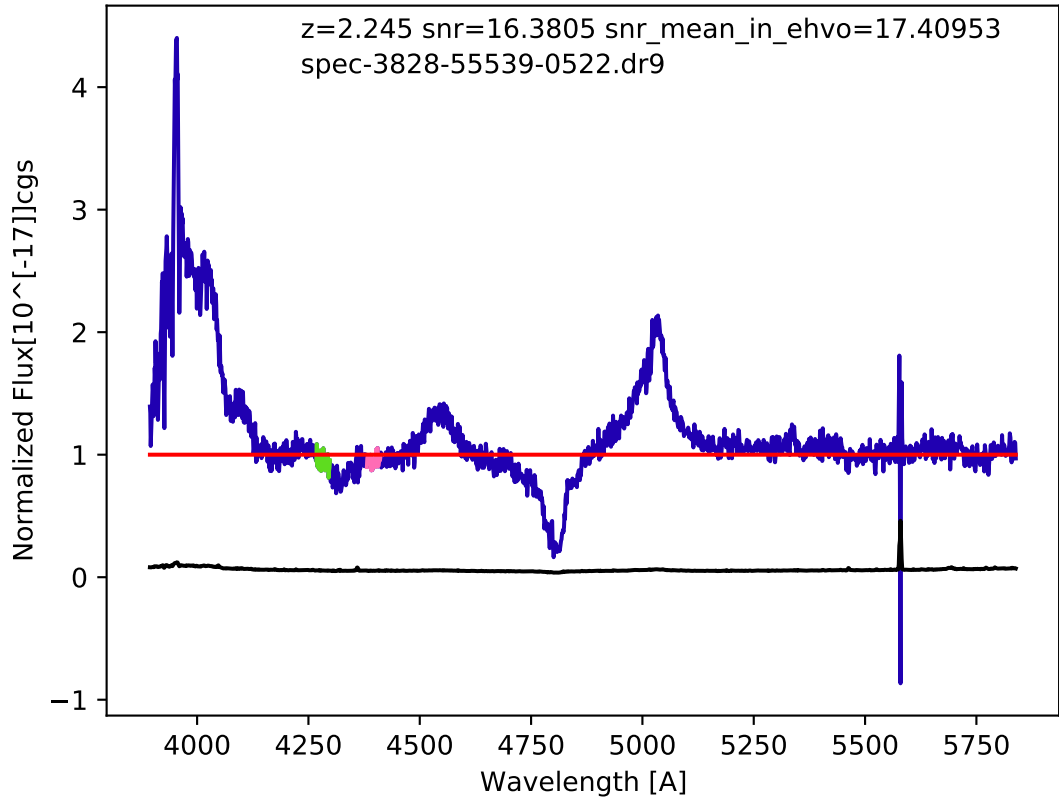
# Normalized Data vs. Normalized Error

z=2.522 snr=10.4189 snr\_mean\_in\_ehvo=19.70062  
spec-3828-55539-0148.dr9

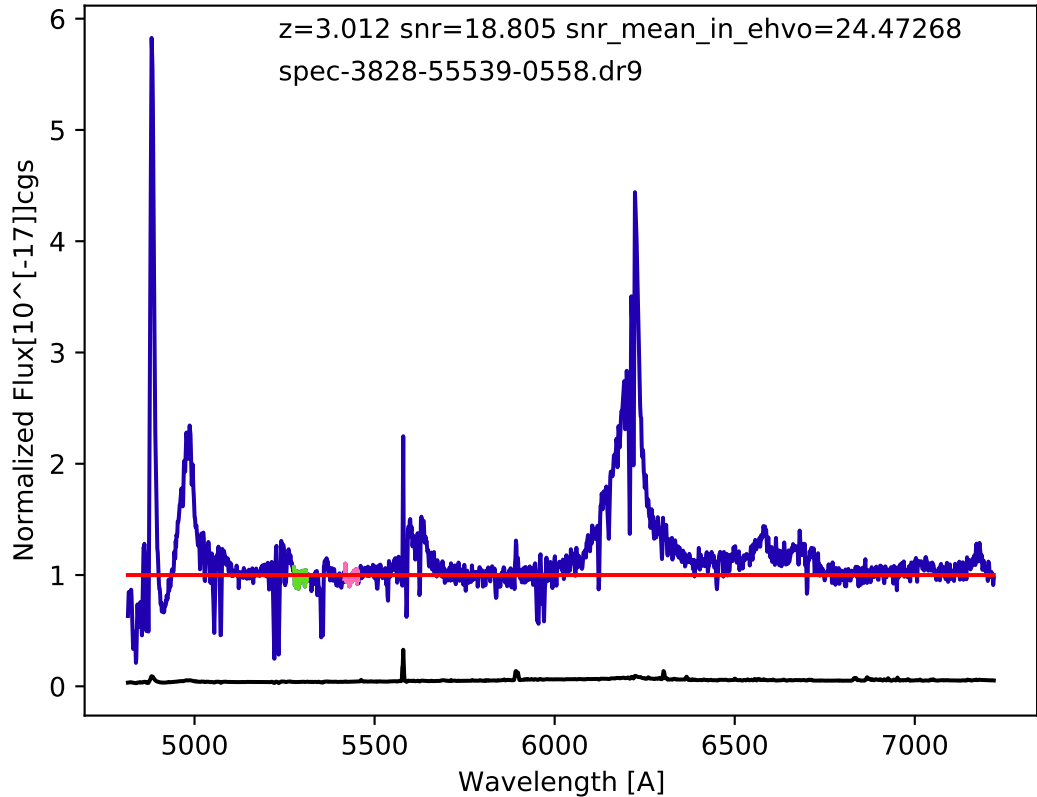


# Normalized Data vs. Normalized Error

z=2.245 snr=16.3805 snr\_mean\_in\_ehvo=17.40953  
spec-3828-55539-0522.dr9

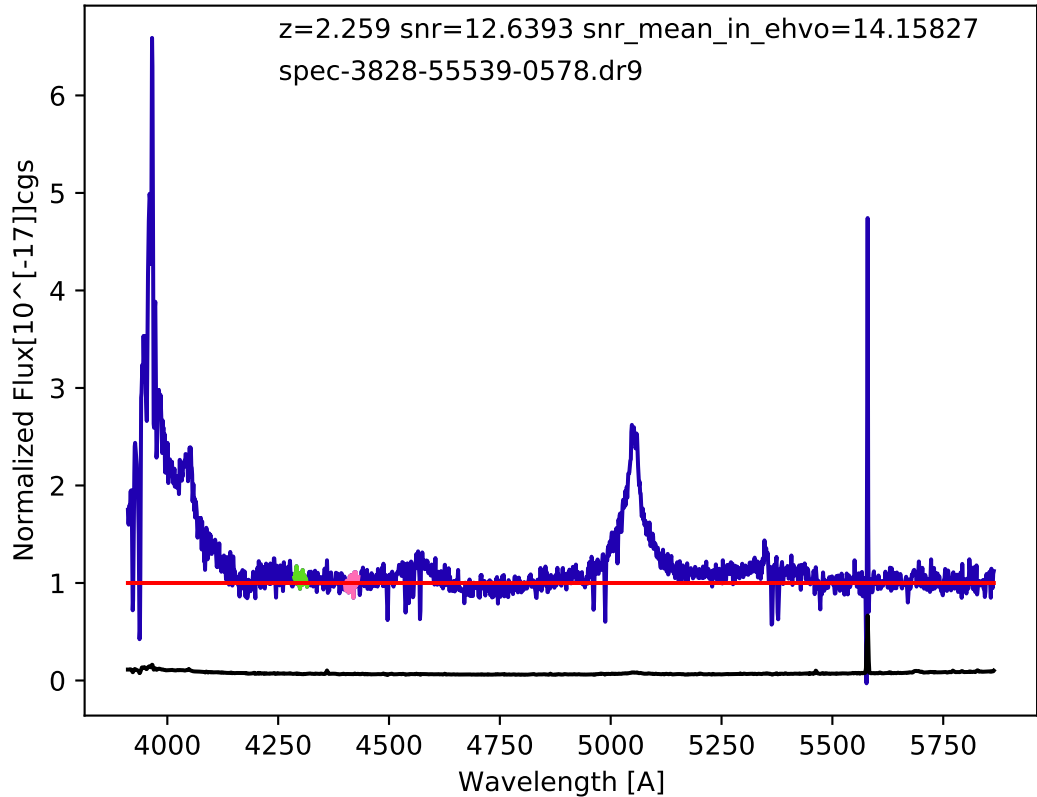


## Normalized Data vs. Normalized Error



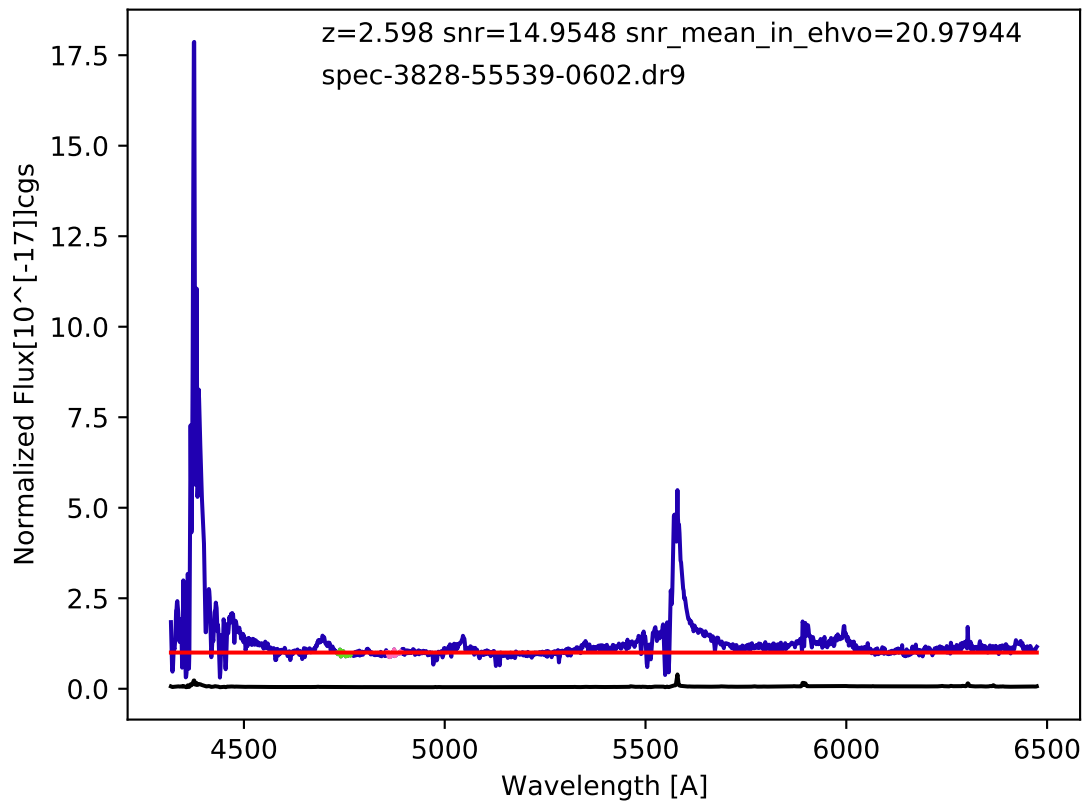
## Normalized Data vs. Normalized Error

z=2.259 snr=12.6393 snr\_mean\_in\_ehvo=14.15827  
spec-3828-55539-0578.dr9



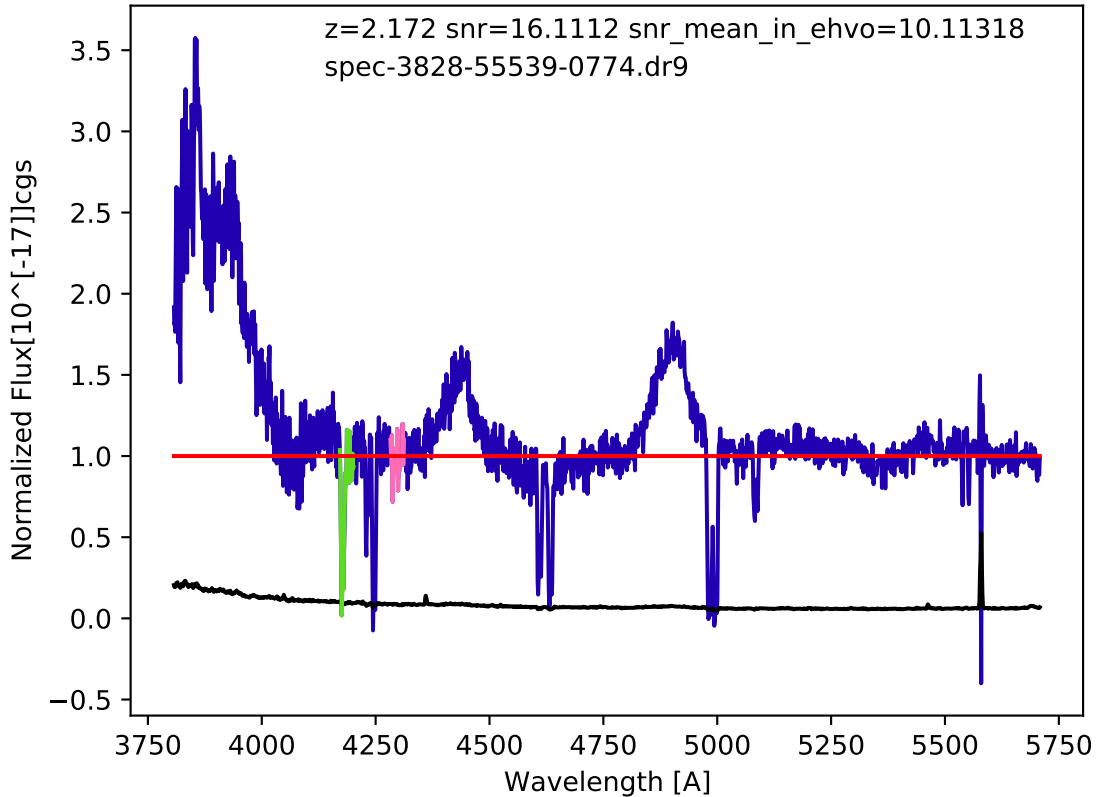
## Normalized Data vs. Normalized Error

z=2.598 snr=14.9548 snr\_mean\_in\_ehvo=20.97944  
spec-3828-55539-0602.dr9



# Normalized Data vs. Normalized Error

z=2.172 snr=16.1112 snr\_mean\_in\_ehvo=10.11318  
spec-3828-55539-0774.dr9



# Normalized Data vs. Normalized Error

z=2.493 snr=15.347 snr\_mean\_in\_ehvo=21.92792  
spec-3828-55539-0810.dr9

