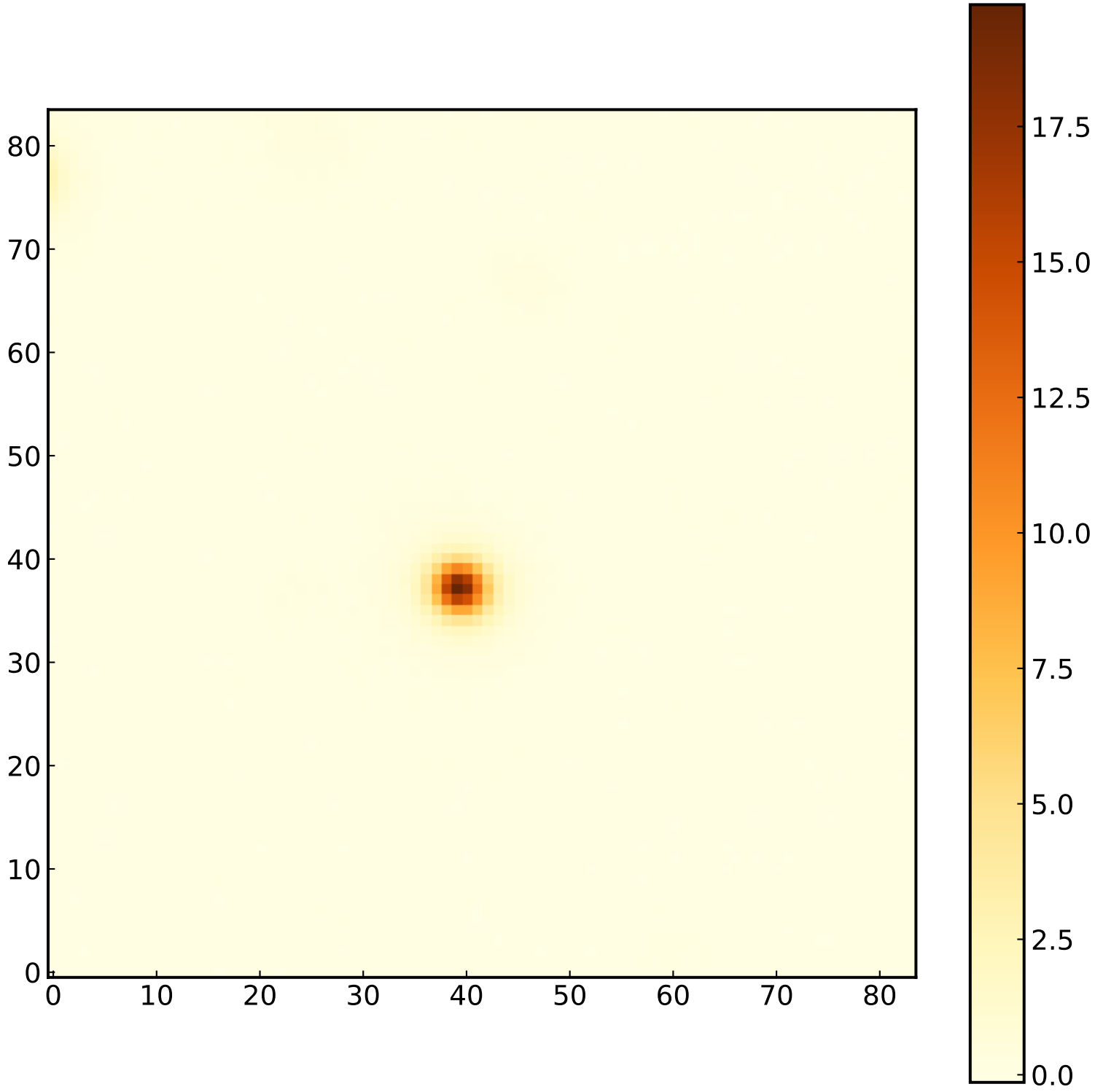
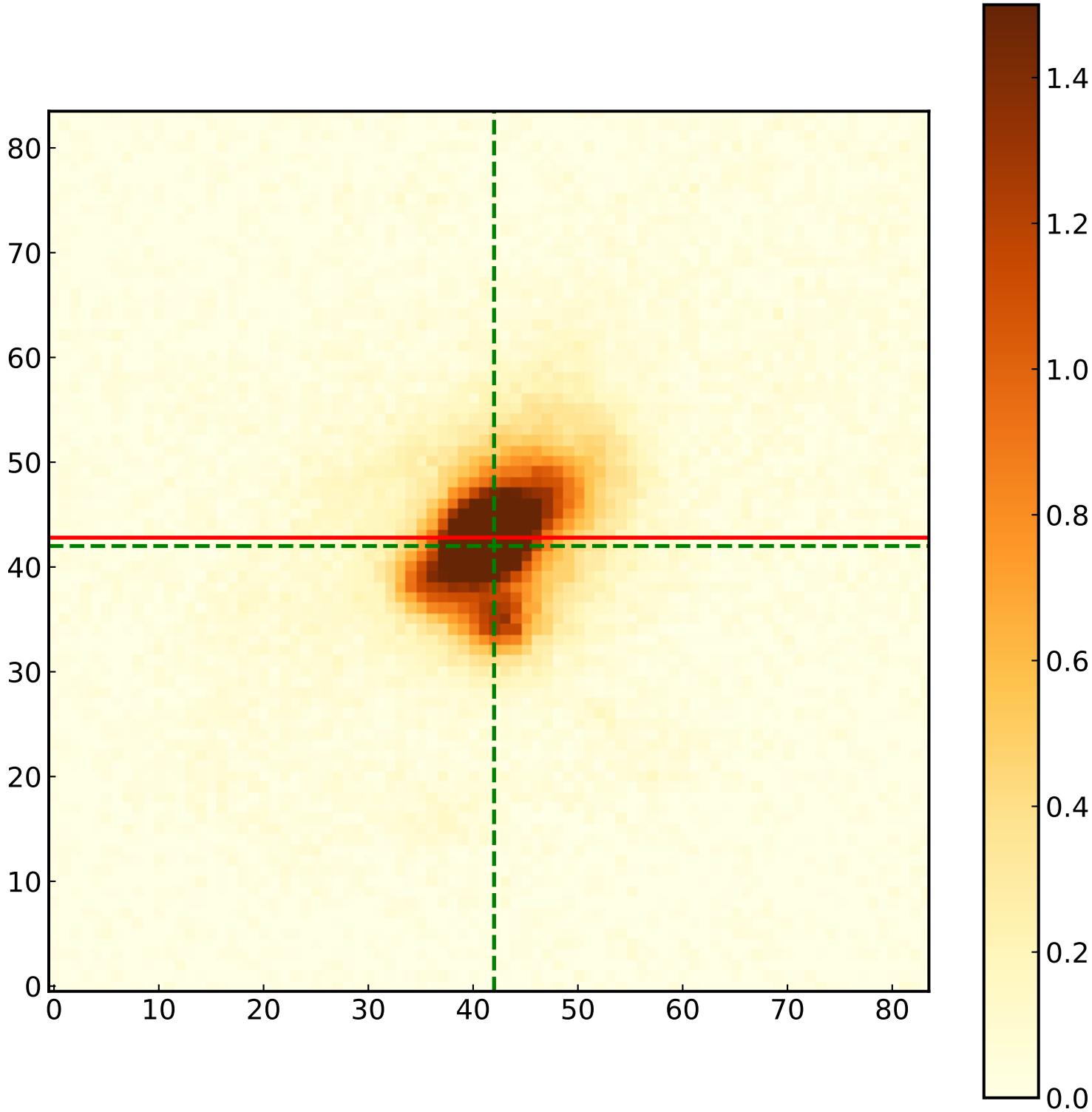
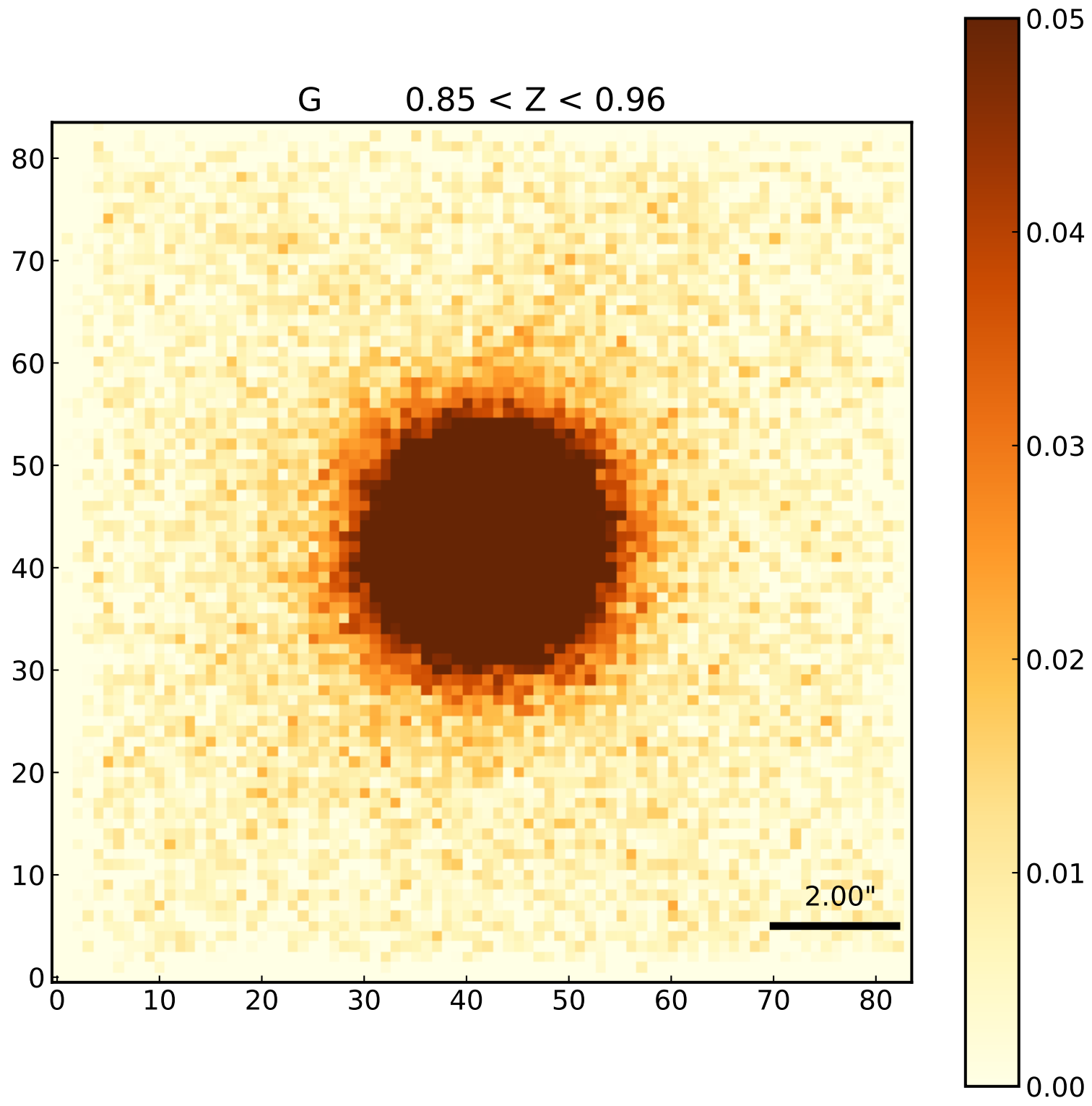
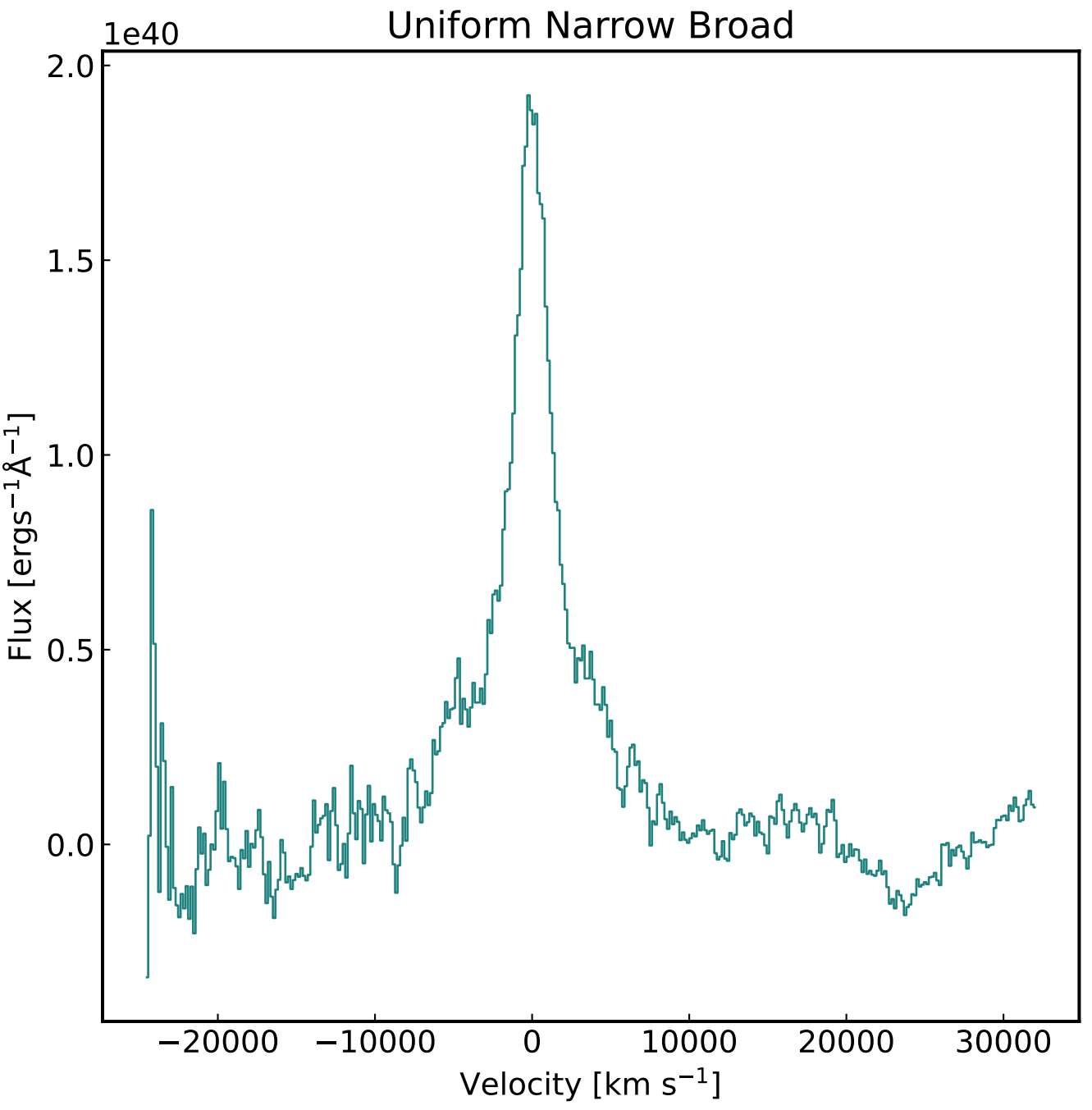
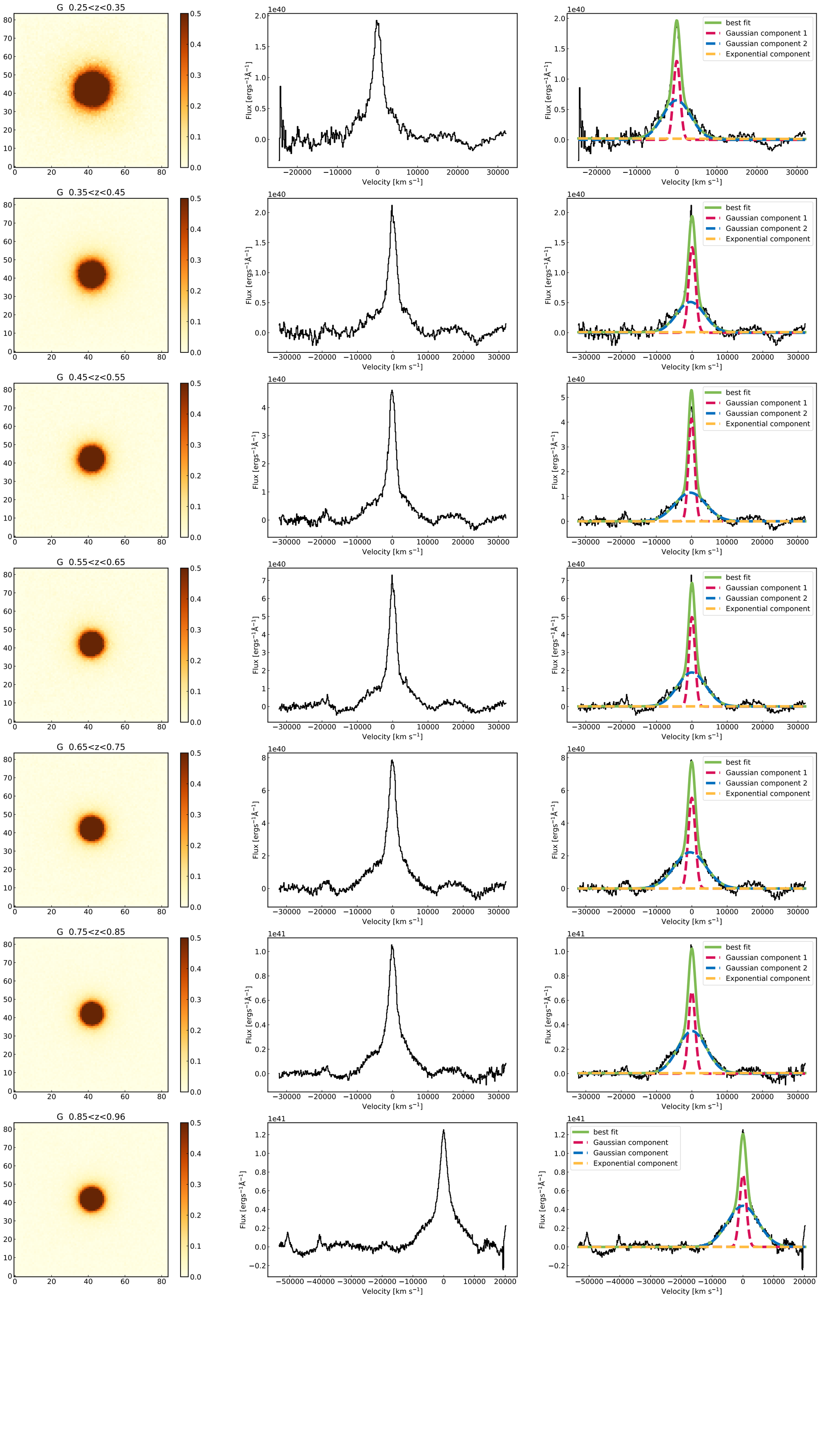
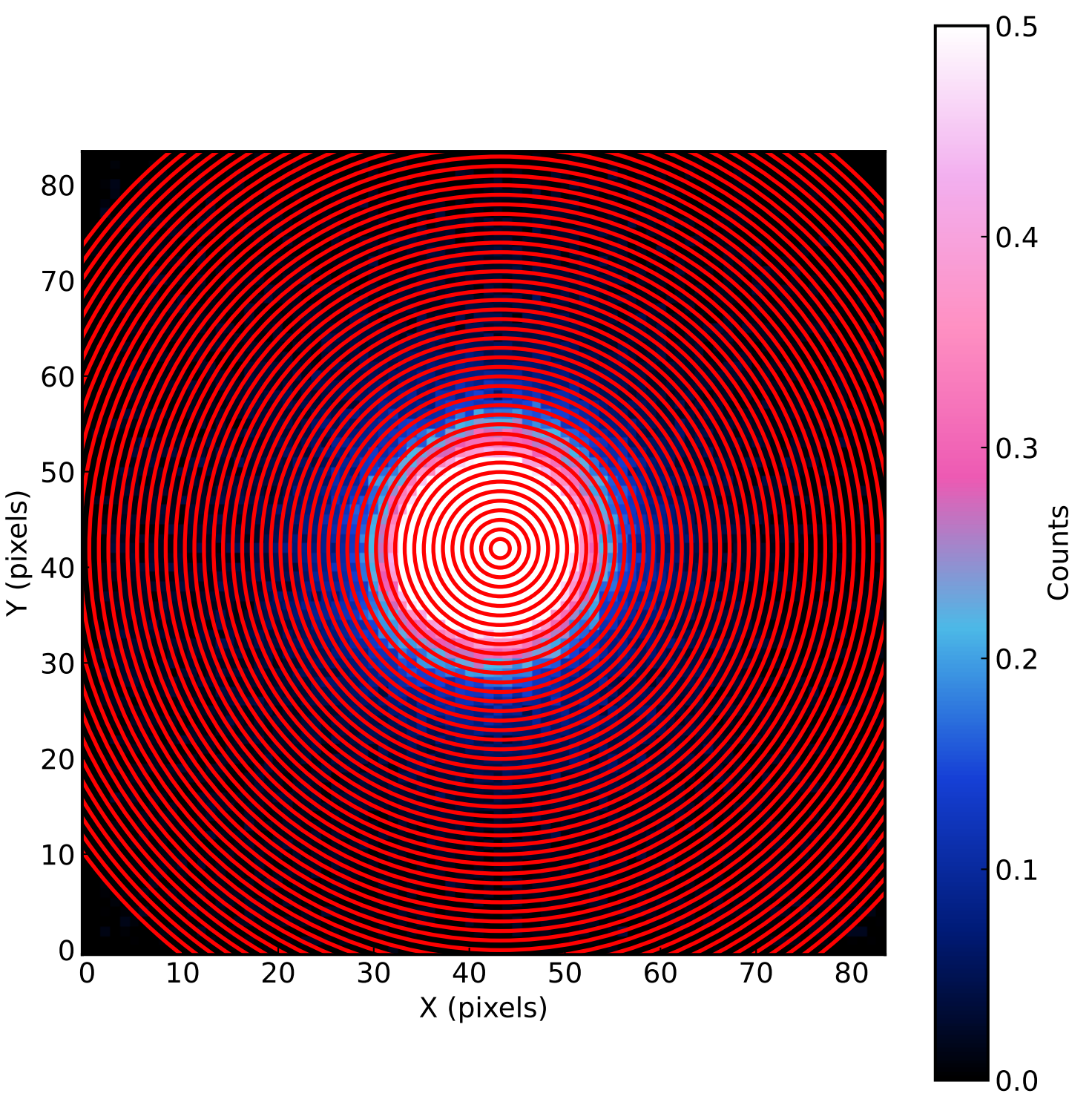

0
10
20
30
40
50
60
70
80
0
10
20
30
40
50
60
70
80
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0

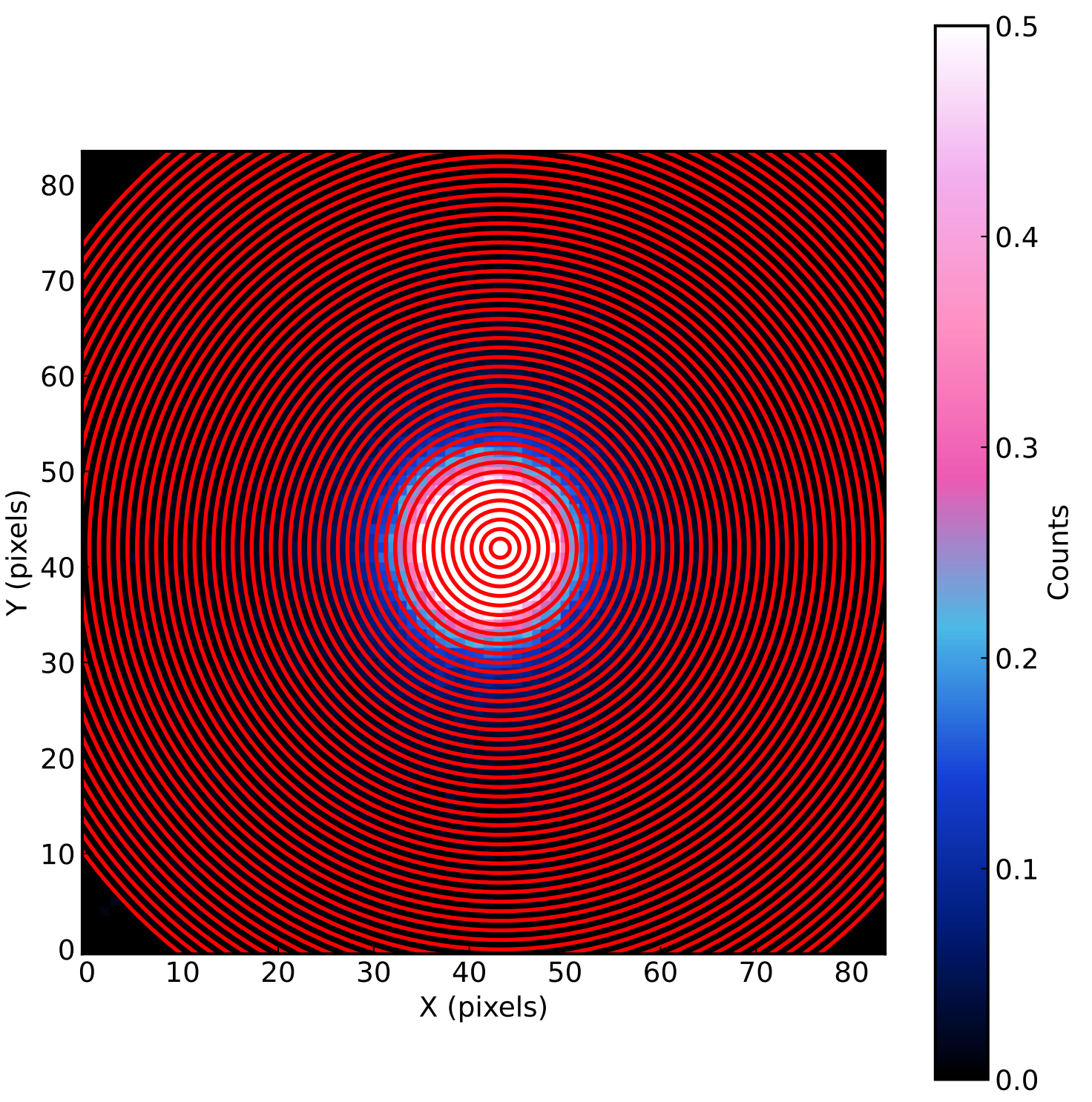

0
10
20
30
40
50
60
70
80
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

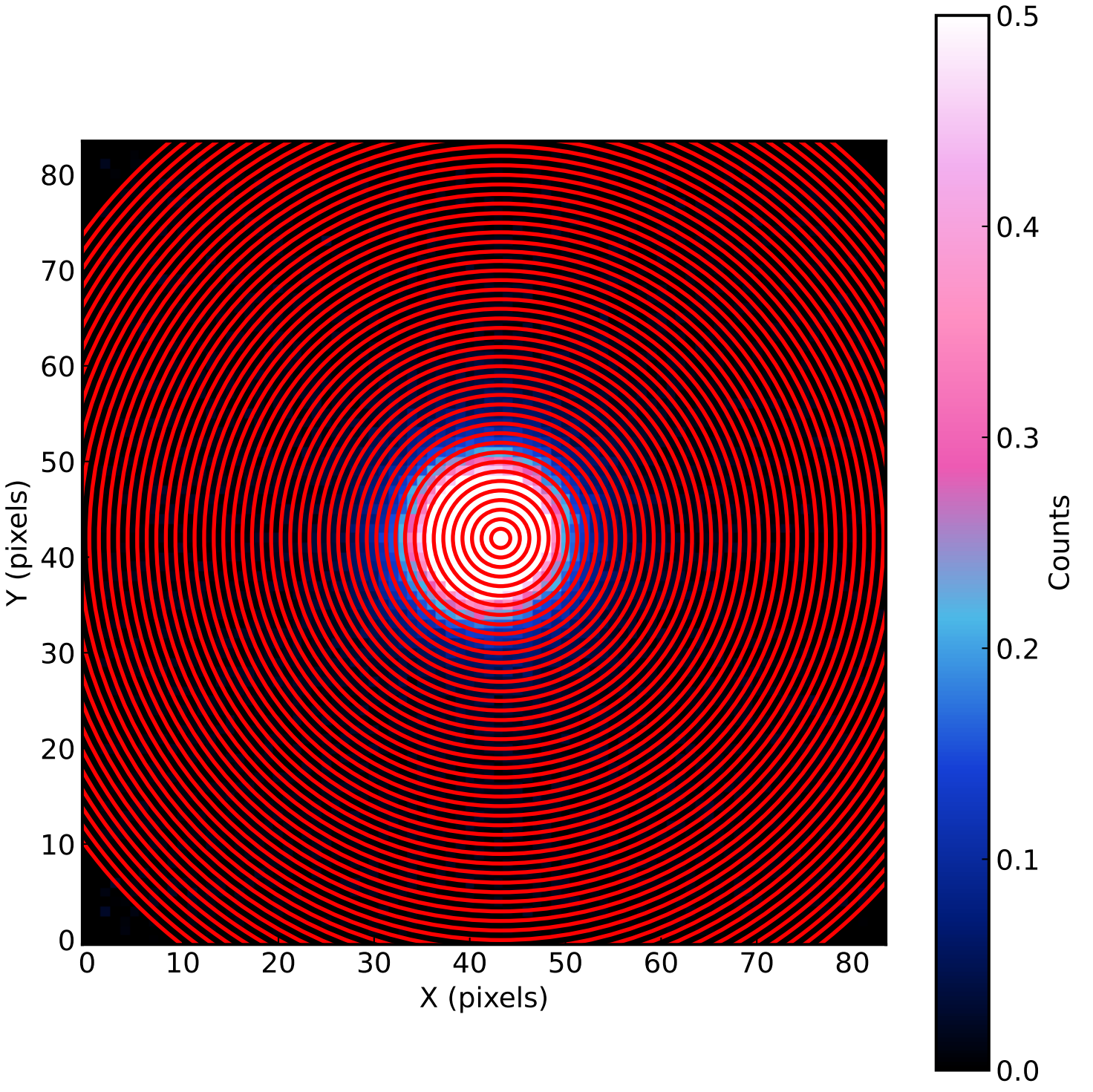

G 0.85 < Z < 0.96
2.00"
0
10
20
30
40
50
60
70
80
0.05
0.04
0.03
0.02
0.01
0.00

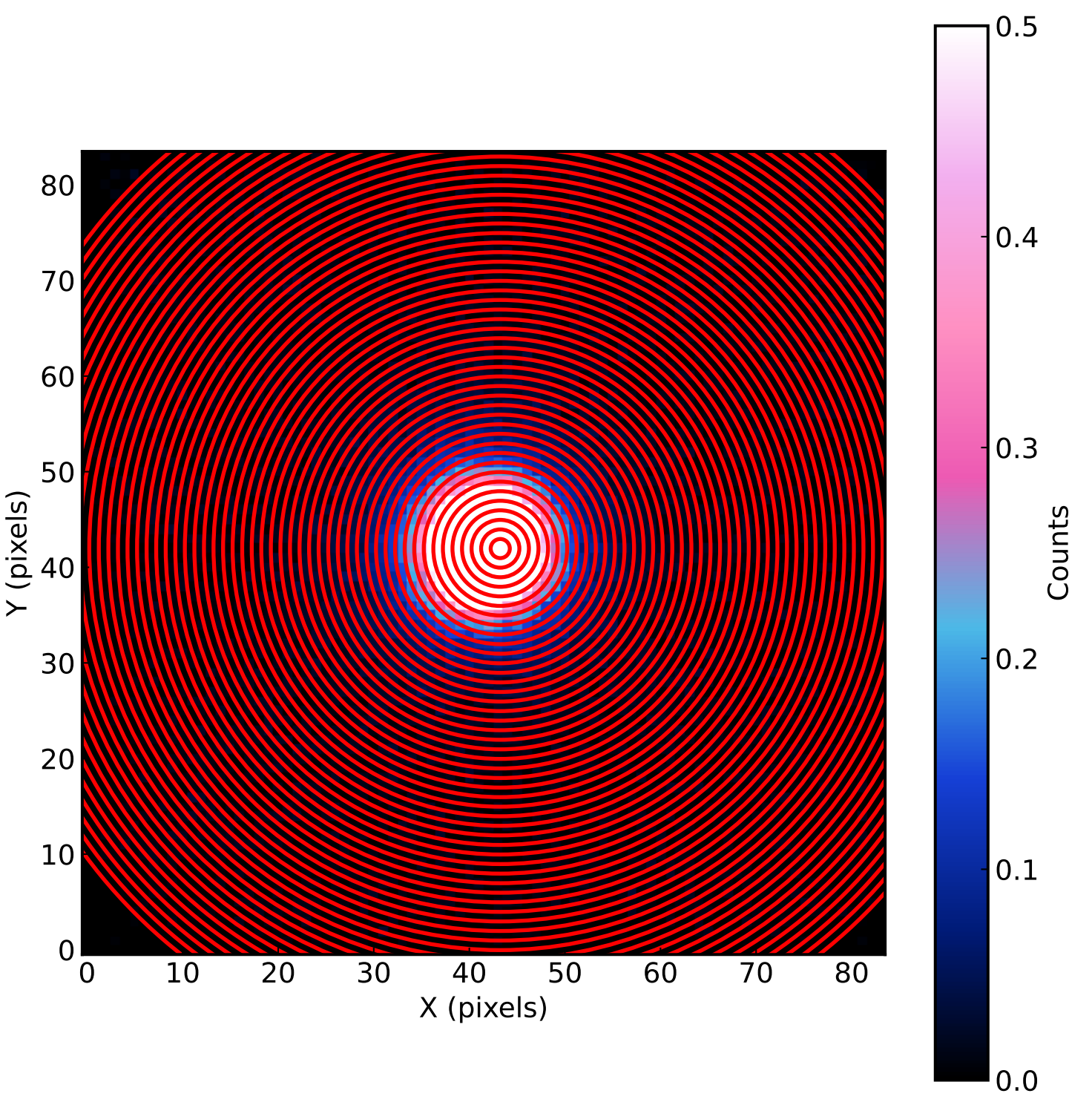

Uniform Narrow Broad
1e40
2.0
1.5
1.0
0.5
0.0
Flux [ergs^{-1}Å^{-1}]
−20000
−10000
0
10000
20000
30000
Velocity [km s^{-1}]

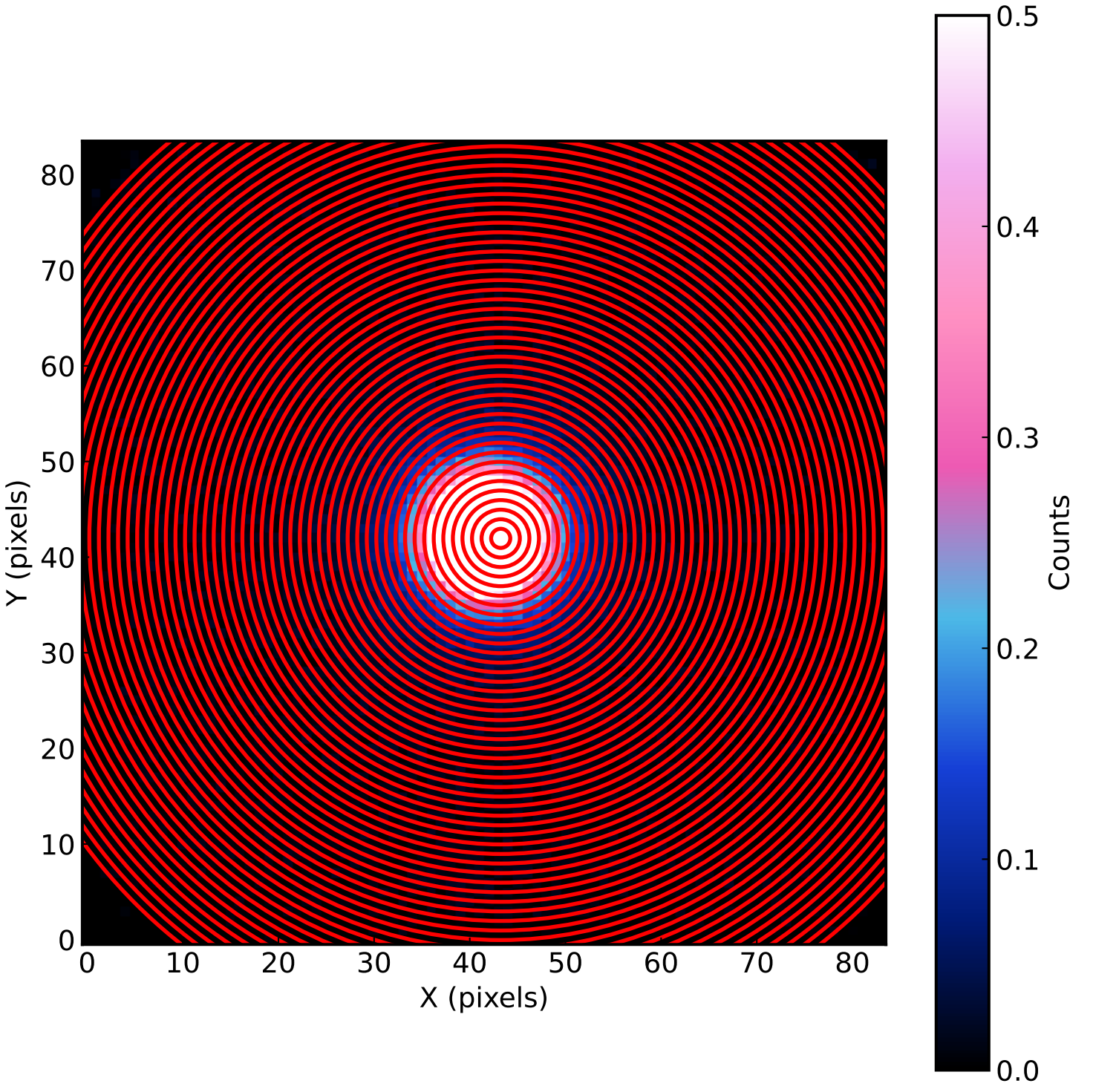

G 0.25<z<0.35
G 0.35<z<0.45
G 0.45<z<0.55
G 0.55<z<0.65
G 0.65<z<0.75
G 0.75<z<0.85
G 0.85<z<0.96
1e40
1e41
Flux [ergs^{-1}Å^{-1}]
Velocity [km s^{-1}]
best fit
Gaussian component 1
Gaussian component 2
Gaussian component
Exponential component

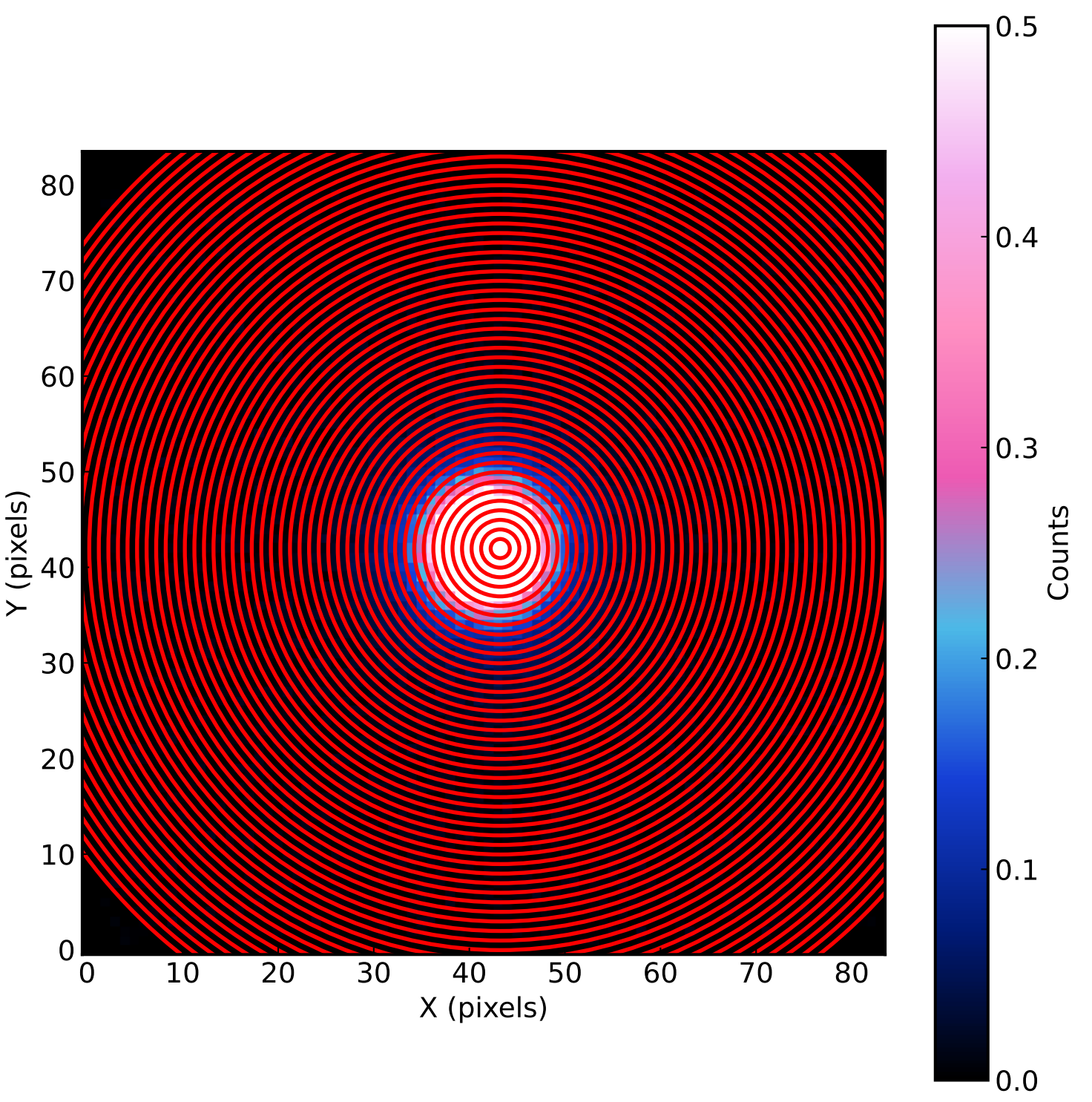

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

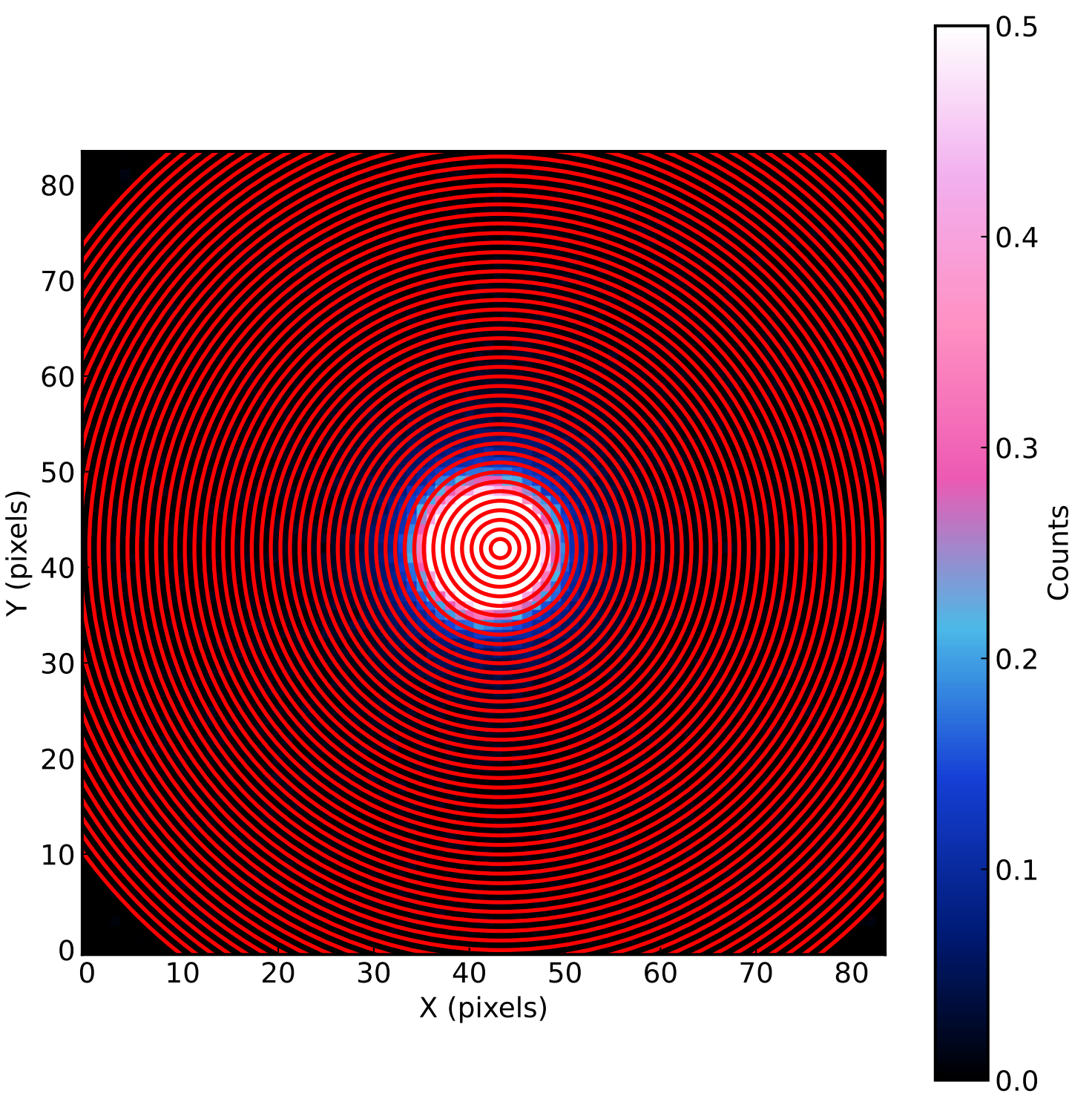

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

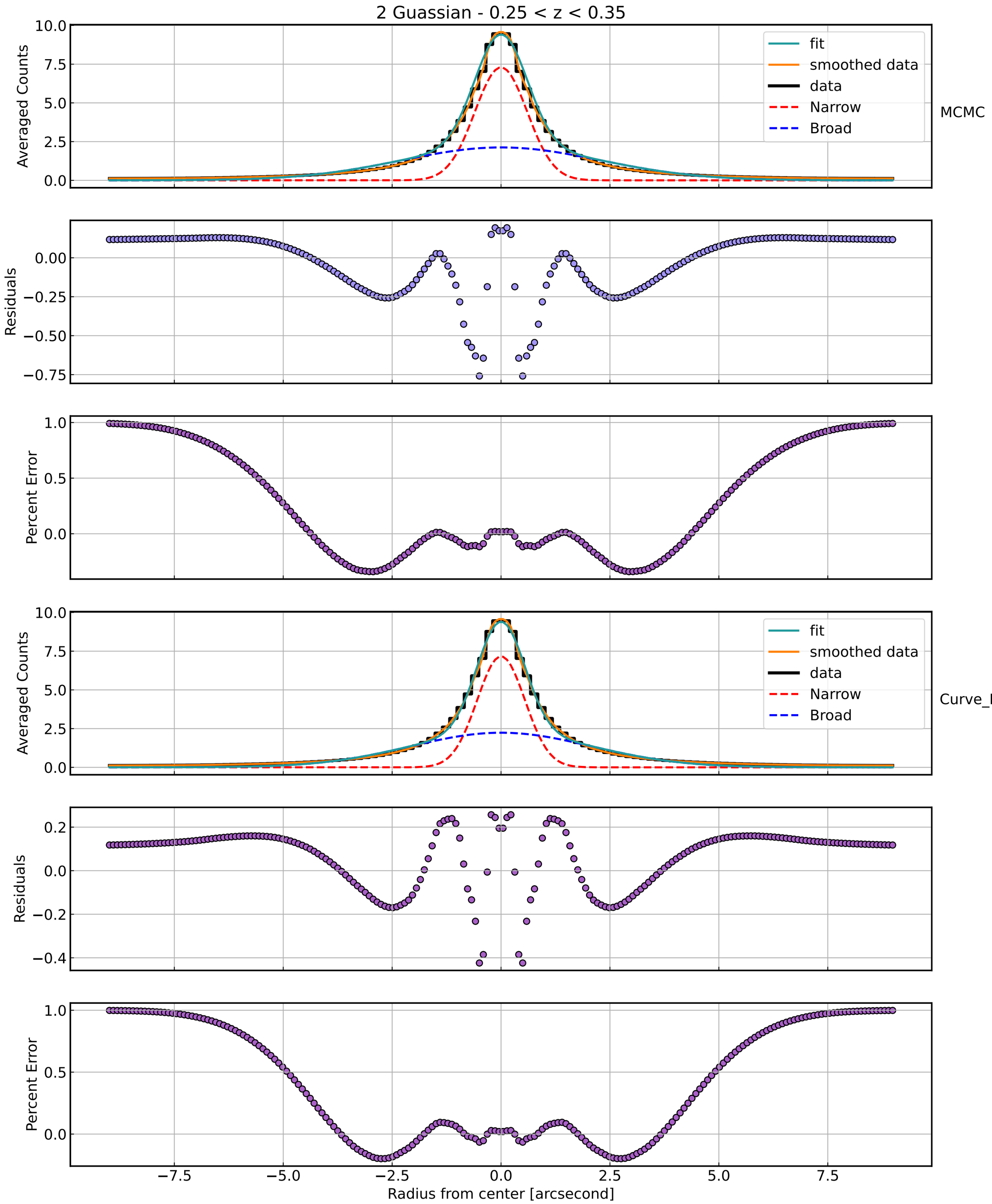

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

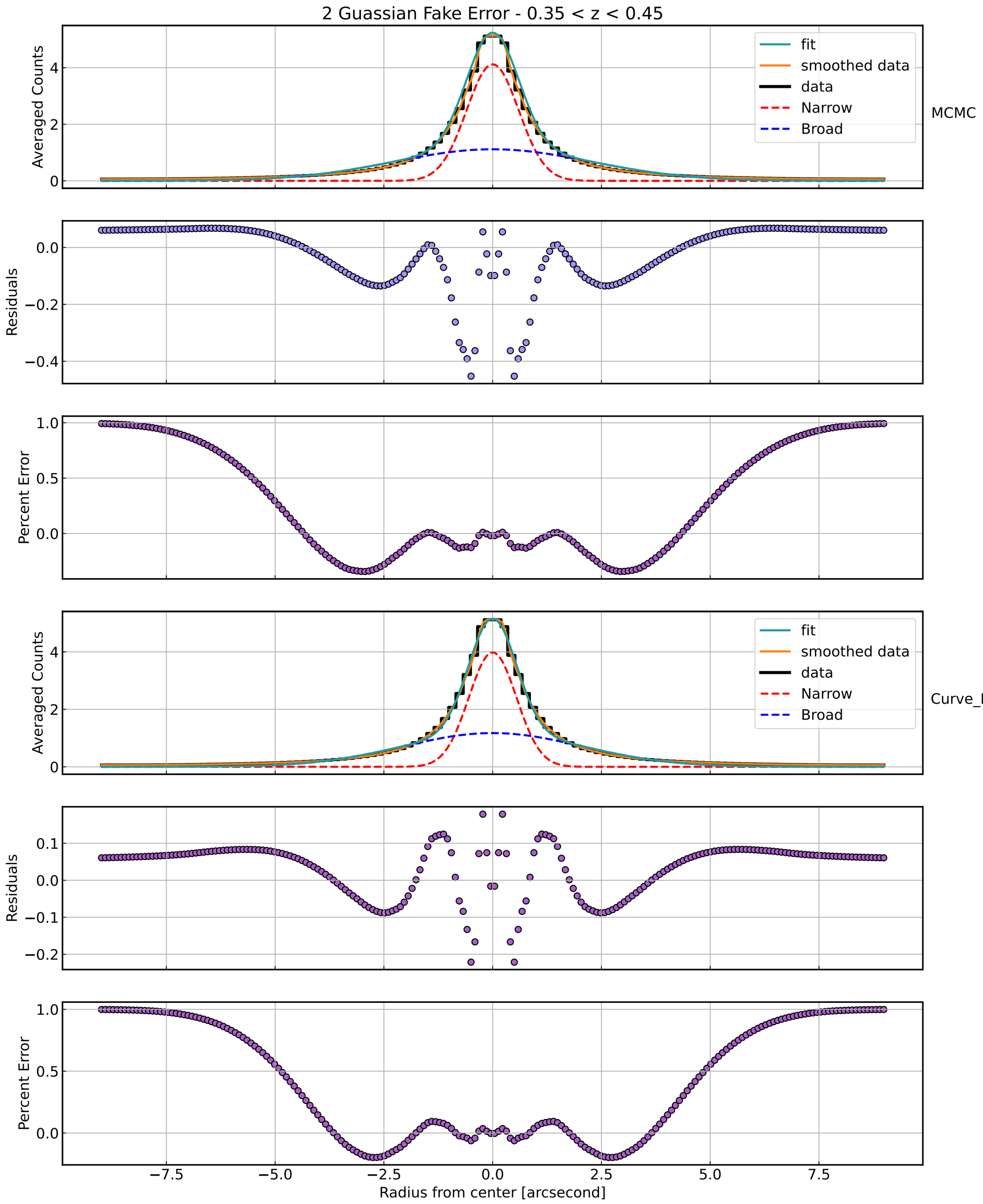

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5


Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

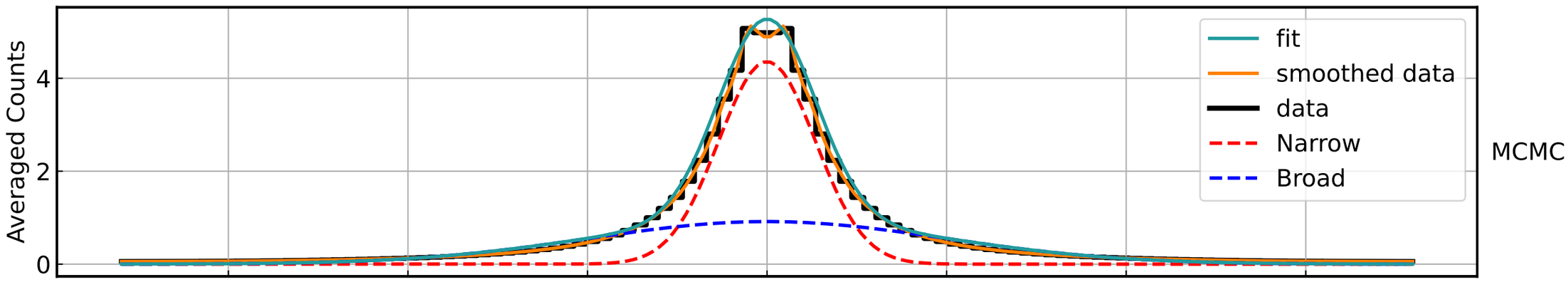

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

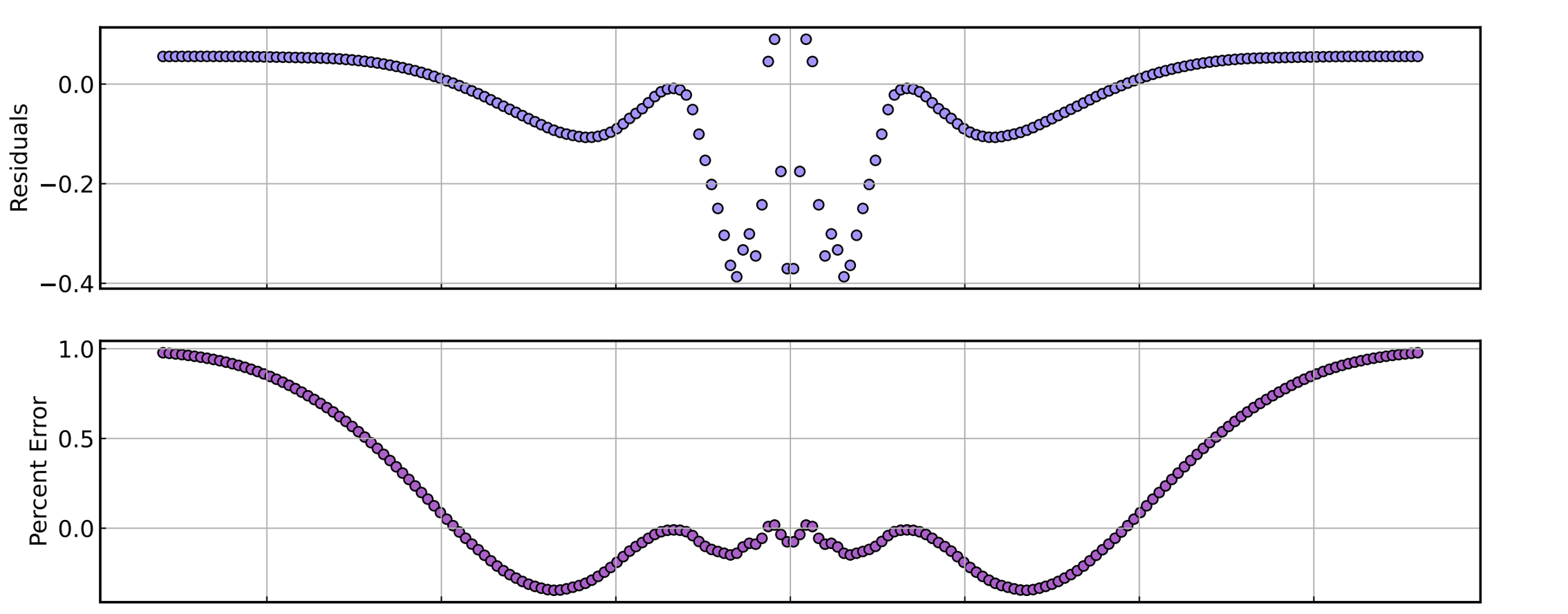

Y (pixels)
X (pixels)
Counts
0
10
20
30
40
50
60
70
80
0.0
0.1
0.2
0.3
0.4
0.5

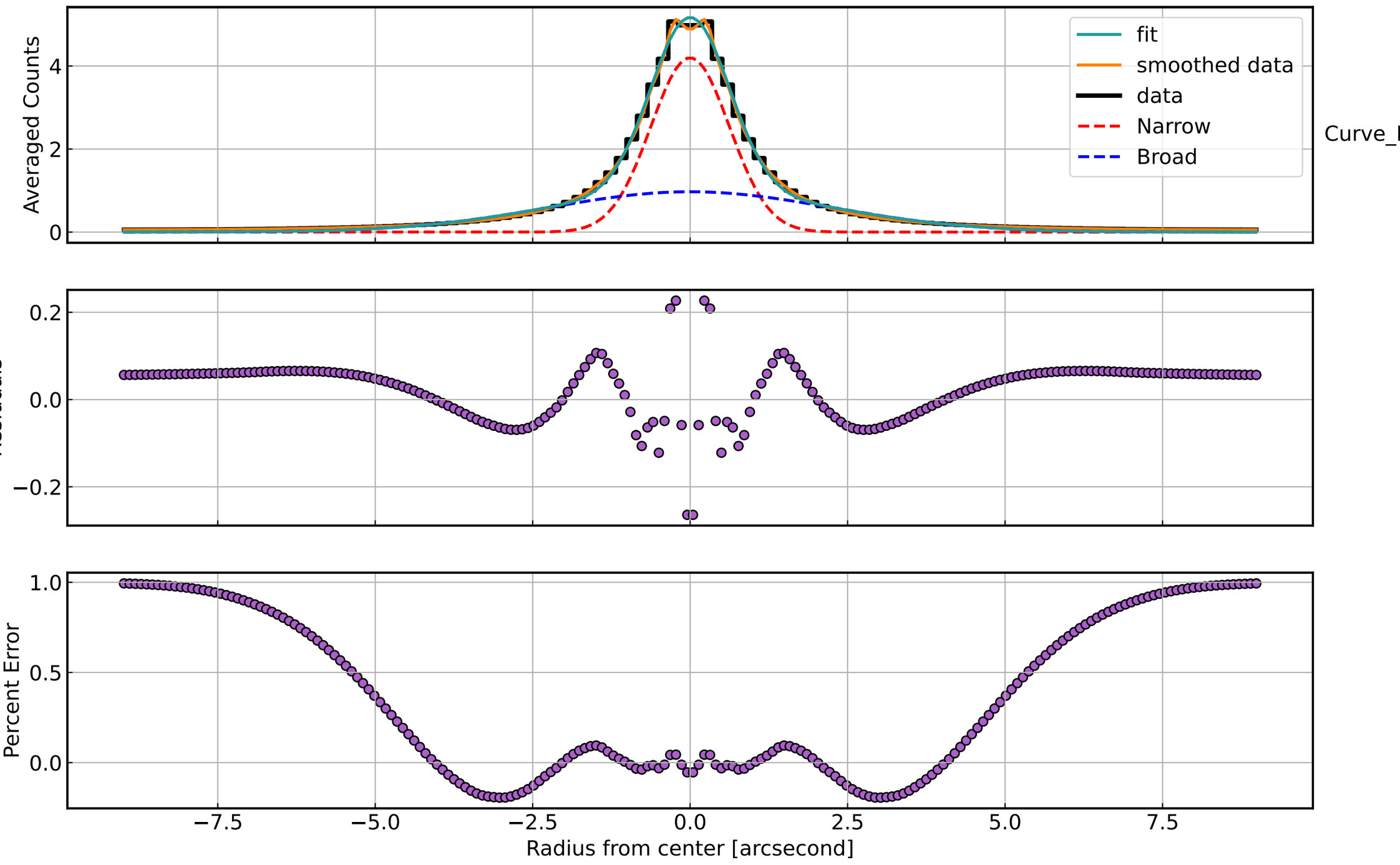

2 Guassian - 0.25 < z < 0.35
Averaged Counts
10.0
7.5
5.0
2.5
0.0
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
0.00
−0.25
−0.50
−0.75
Percent Error
1.0
0.5
0.0
Averaged Counts
10.0
7.5
5.0
2.5
0.0
fit
smoothed data
data
Narrow
Broad
Curve_Fit
Residuals
0.2
0.0
−0.2
−0.4
Percent Error
1.0
0.5
0.0
−7.5
−5.0
−2.5
0.0
2.5
5.0
7.5
Radius from center [arcsecond]

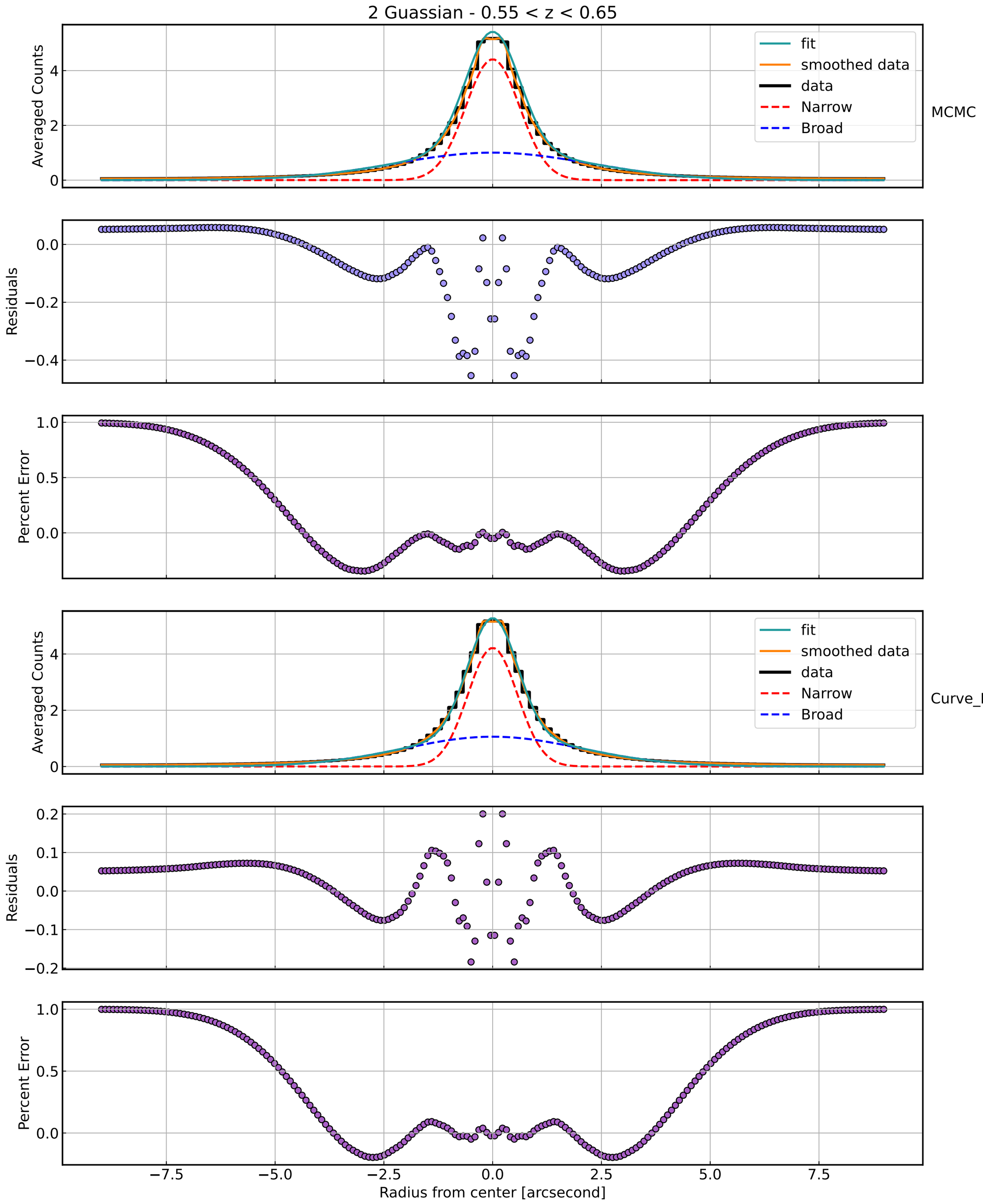

2 Guassian Fake Error - 0.35 < z < 0.45
Averaged Counts
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
Percent Error
Curve_Fit
Radius from center [arcsecond]

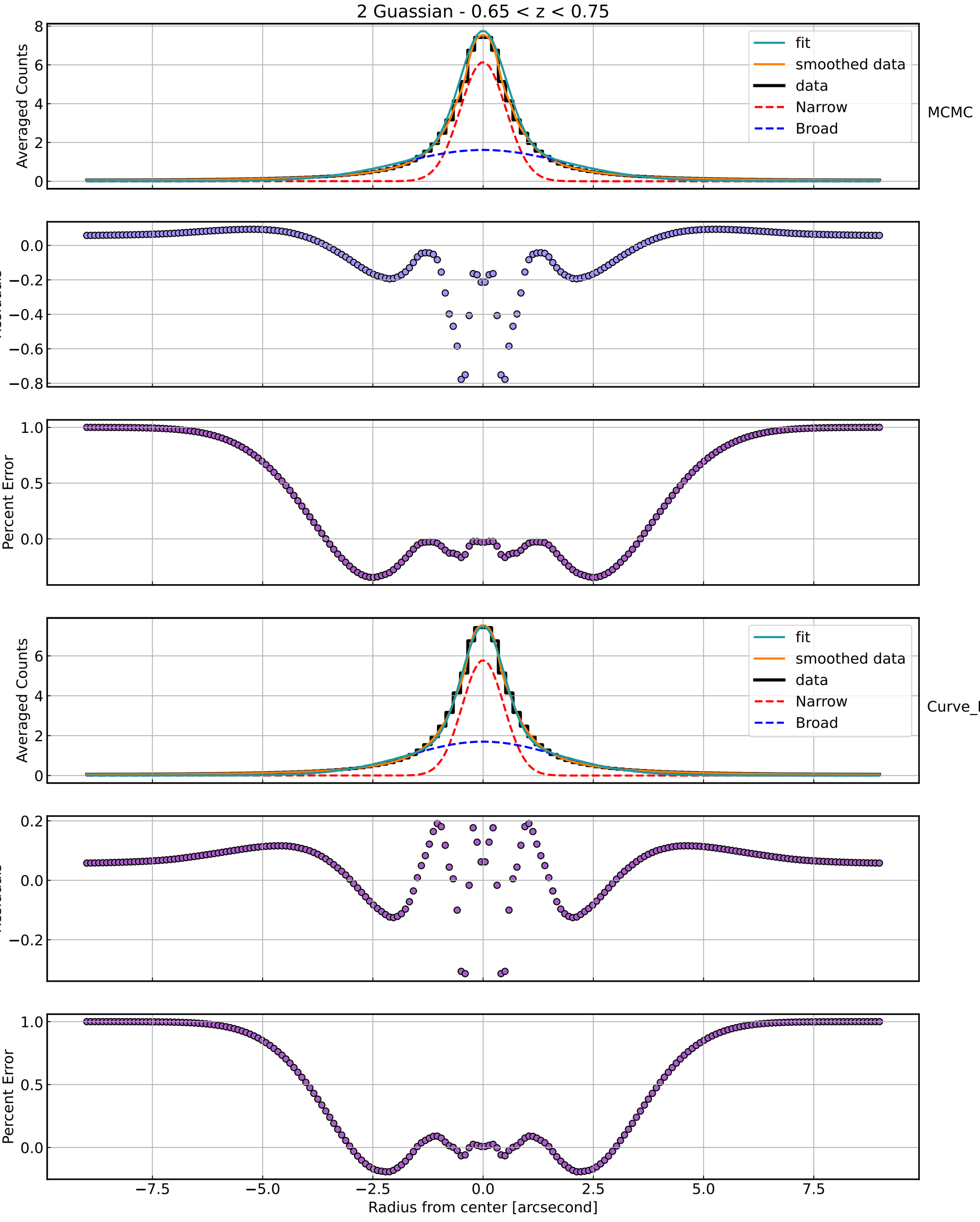
2 Guassian Fake Error - 0.45 < z < 0.55

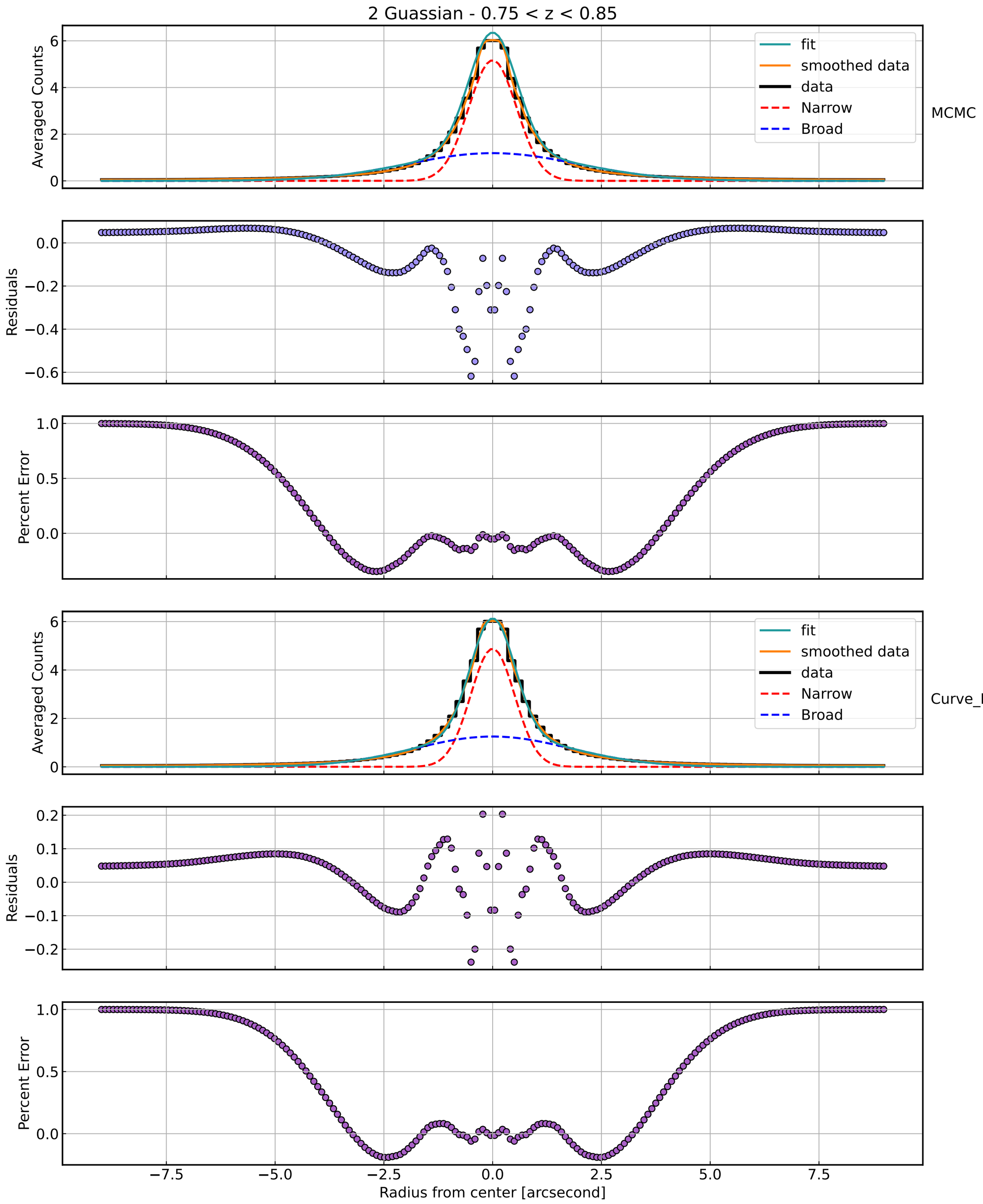


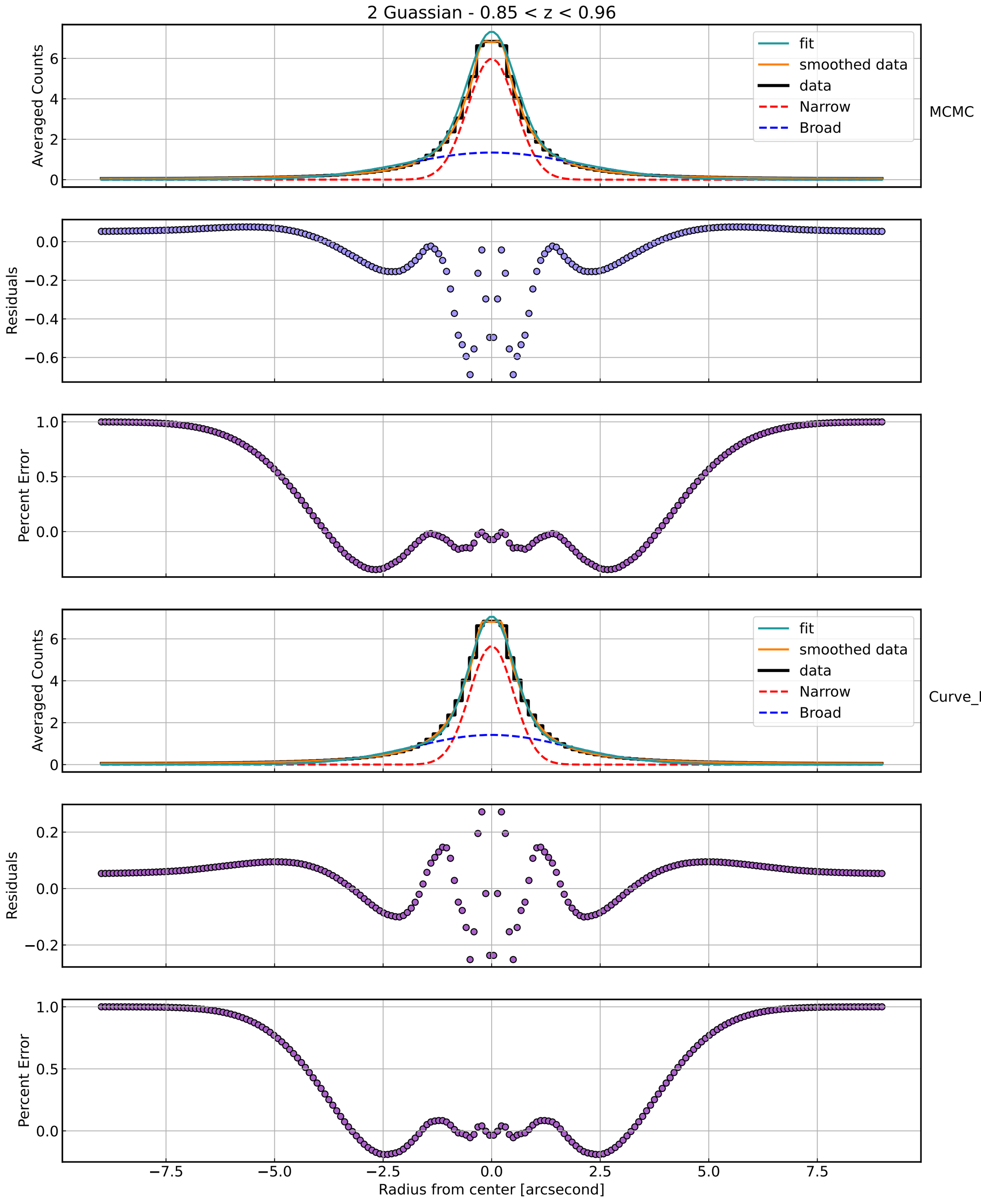


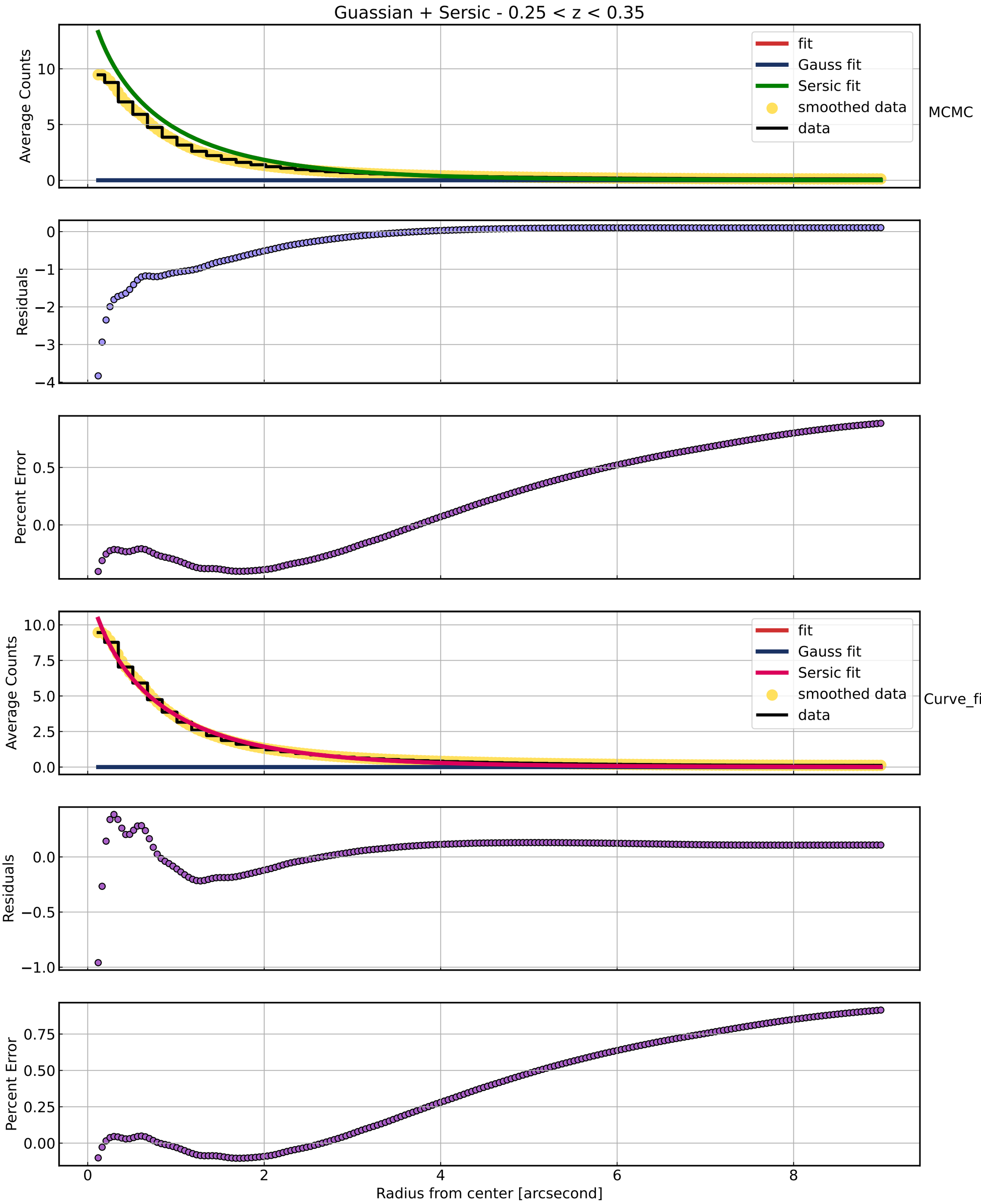



2 Guassian - 0.55 < z < 0.65
Averaged Counts
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
Percent Error
Curve_Fit
Residuals
Percent Error
Radius from center [arcsecond]

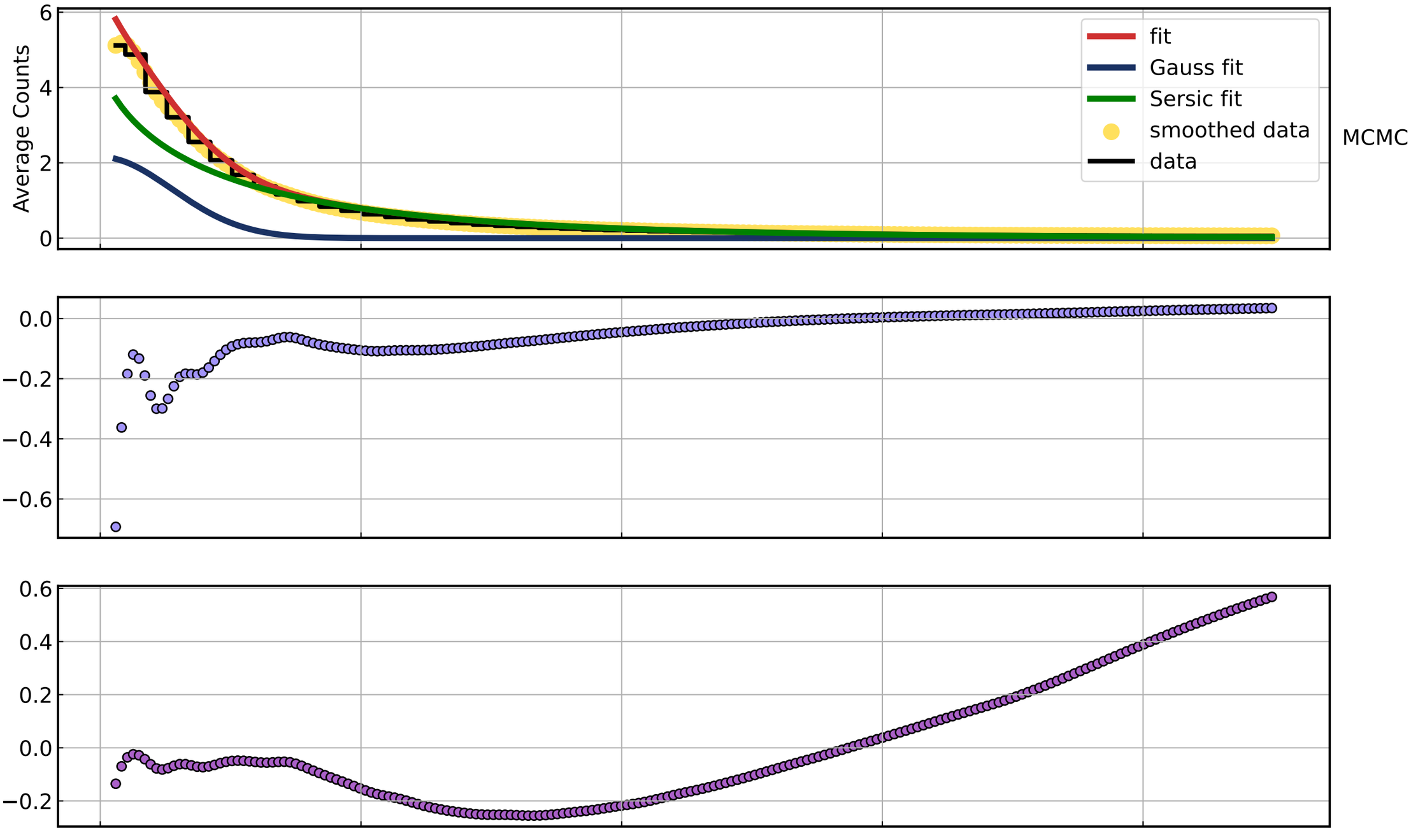

2 Guassian - 0.65 < z < 0.75
Averaged Counts
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
Percent Error
Curve_Fit
Residuals
Percent Error
Radius from center [arcsecond]


2 Guassian - 0.75 < z < 0.85
Averaged Counts
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
Percent Error
Averaged Counts
fit
smoothed data
data
Narrow
Broad
Curve_Fit
Residuals
Percent Error
Radius from center [arcsecond]


2 Guassian - 0.85 < z < 0.96
Averaged Counts
fit
smoothed data
data
Narrow
Broad
MCMC
Residuals
Percent Error
Curve_Fit
Radius from center [arcsecond]

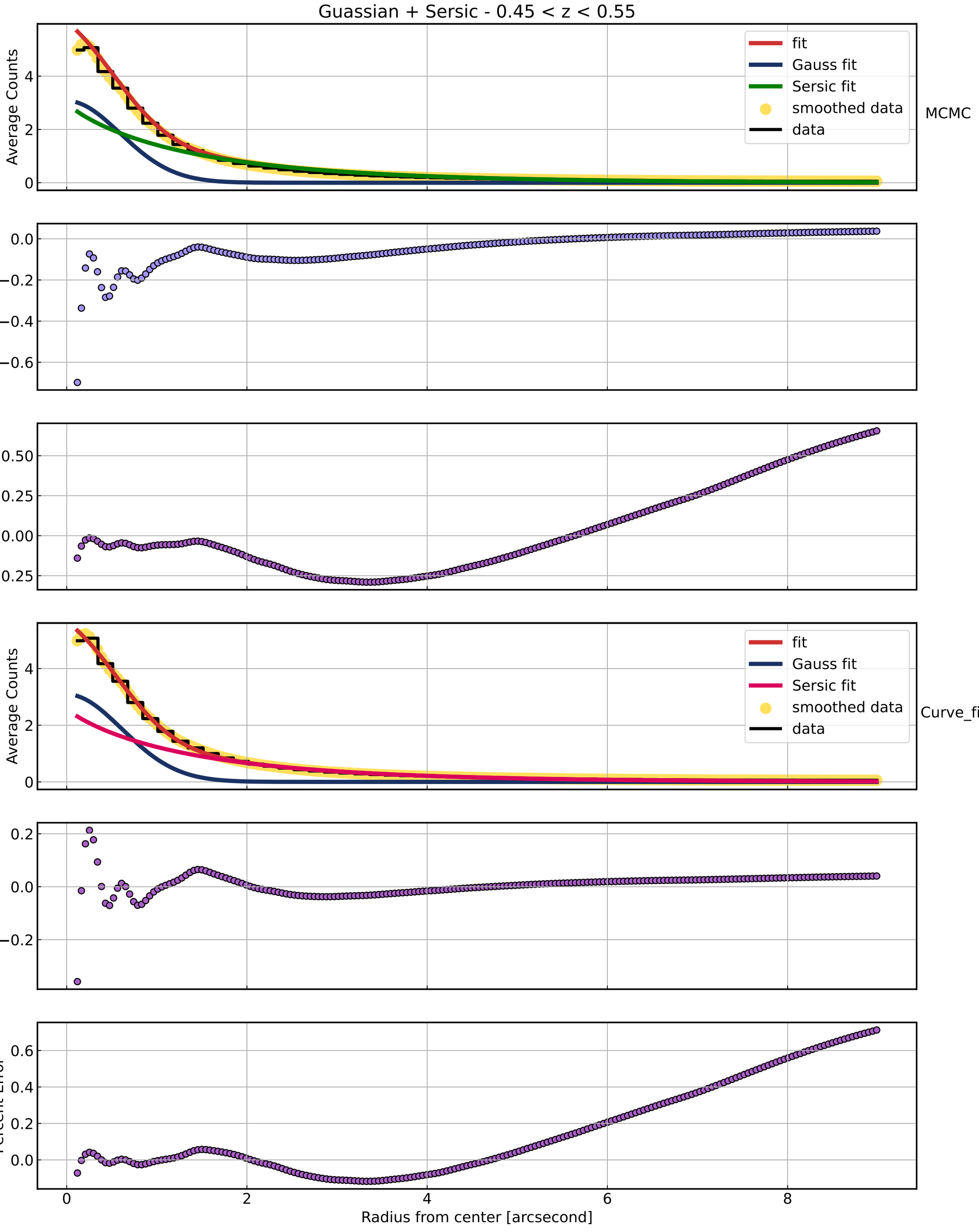

Guassian + Sersic - 0.25 < z < 0.35
Average Counts
10
5
0
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
0
−1
−2
−3
−4
Percent Error
0.5
0.0
Average Counts
10.0
7.5
5.0
2.5
0.0
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals
0.0
−0.5
−1.0
Percent Error
0.75
0.50
0.25
0.00
0
2
4
6
8
Radius from center [arcsecond]

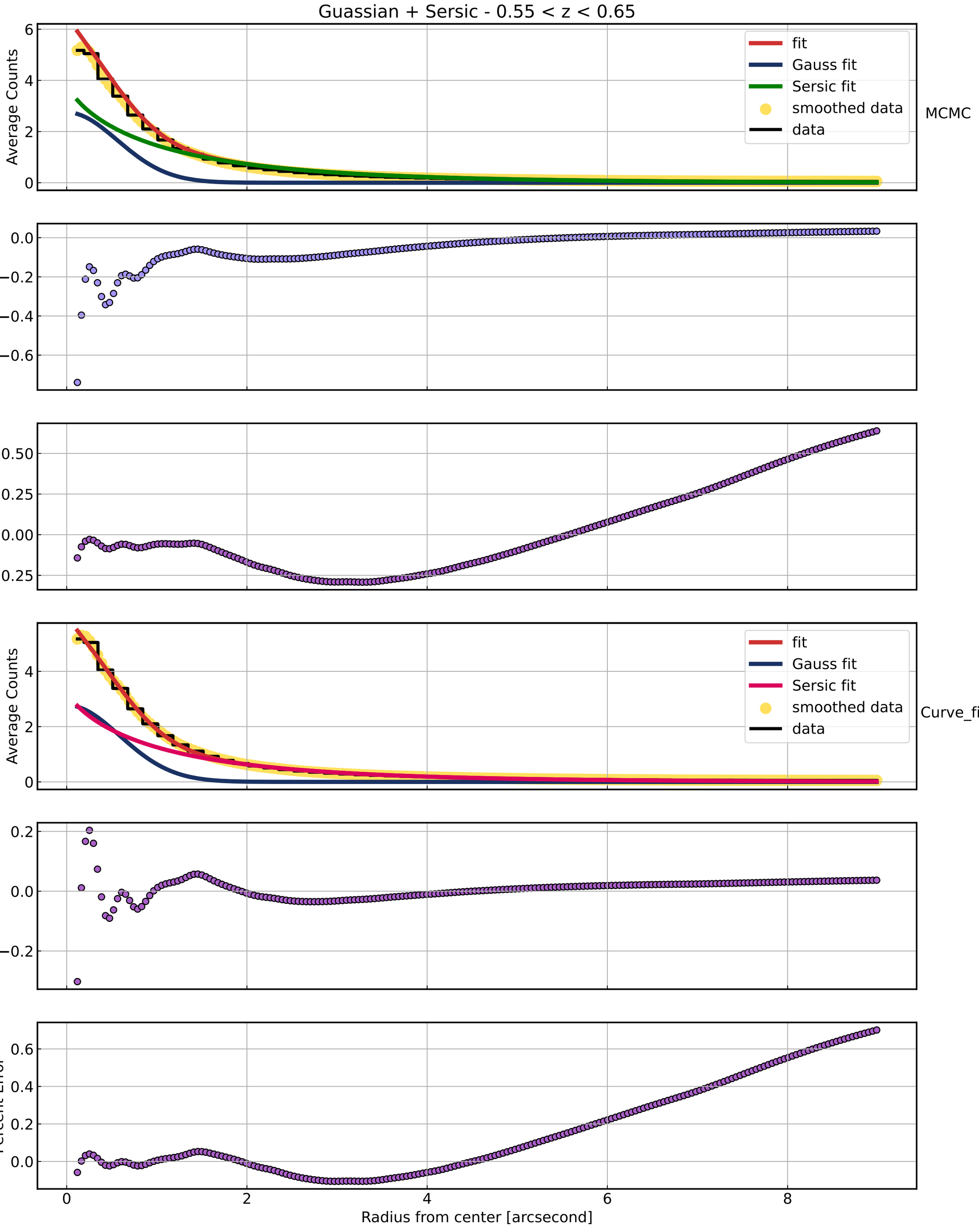
Guassian + Sersic - 0.35 < z < 0.45



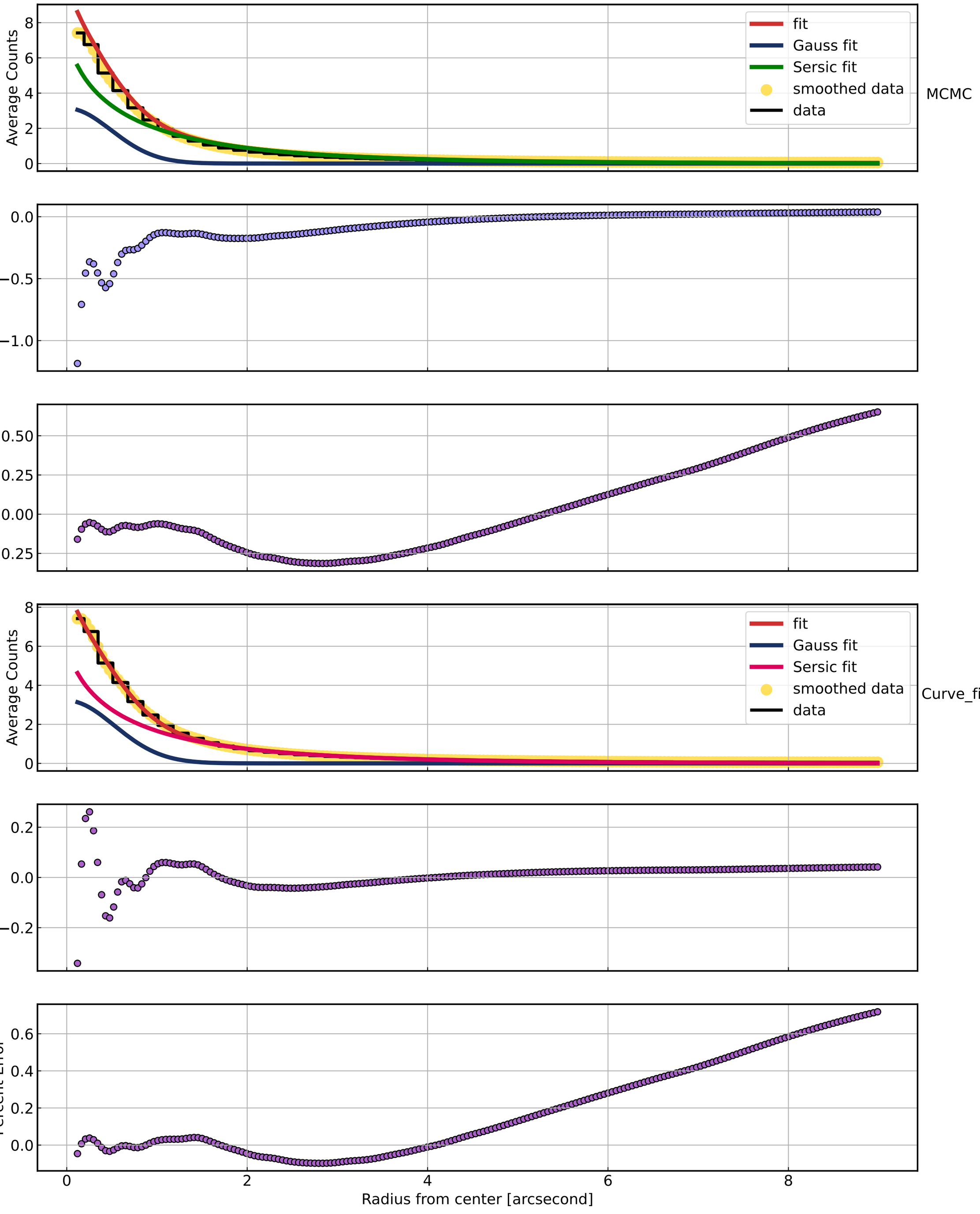
MCMC

Curve_fit

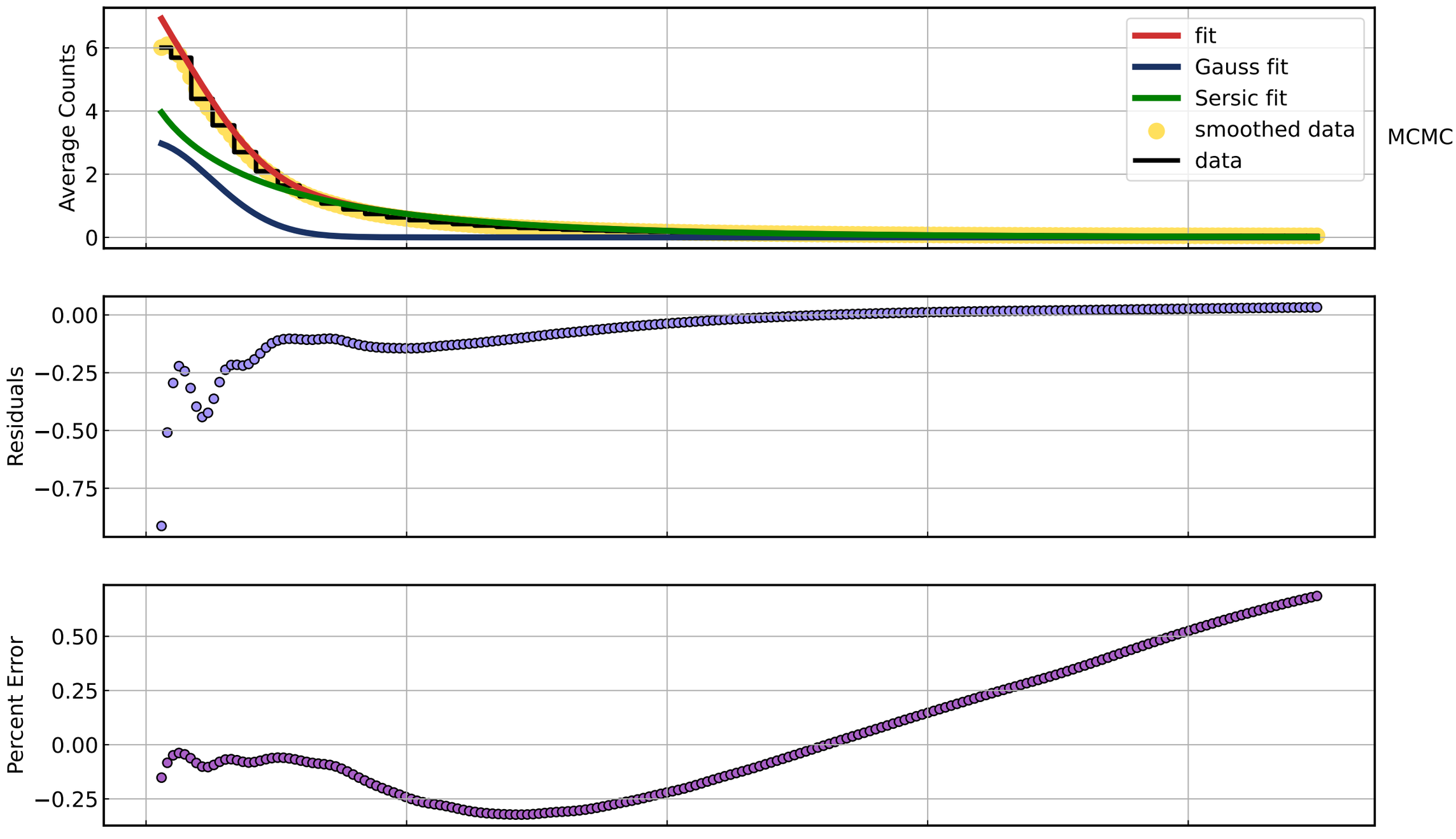

Guassian + Sersic - 0.45 < z < 0.55
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals
Percent Error
Radius from center [arcsecond]

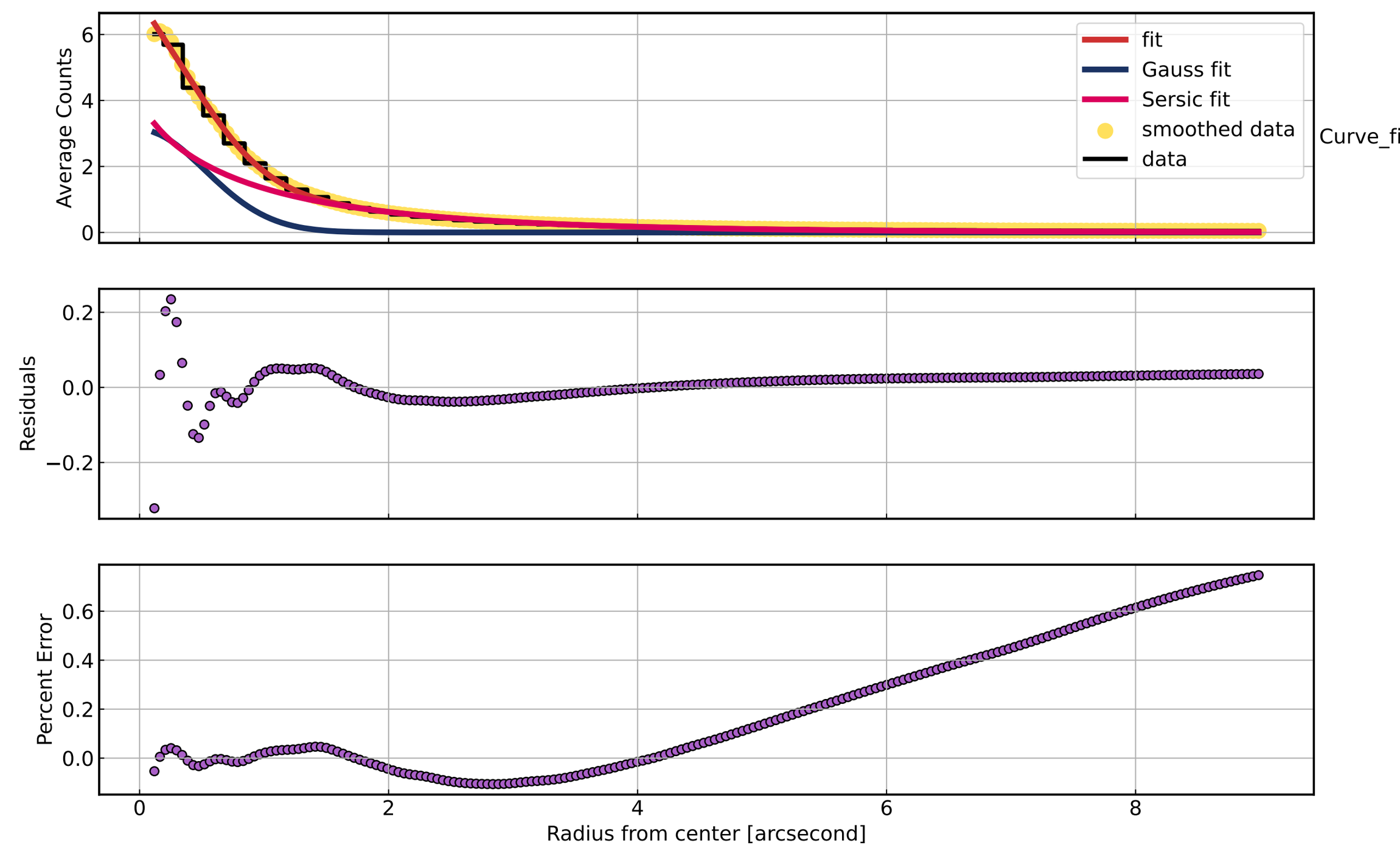

Guassian + Sersic - 0.55 < z < 0.65
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals
Percent Error
Radius from center [arcsecond]

Guassian + Sersic - 0.65 < z < 0.75

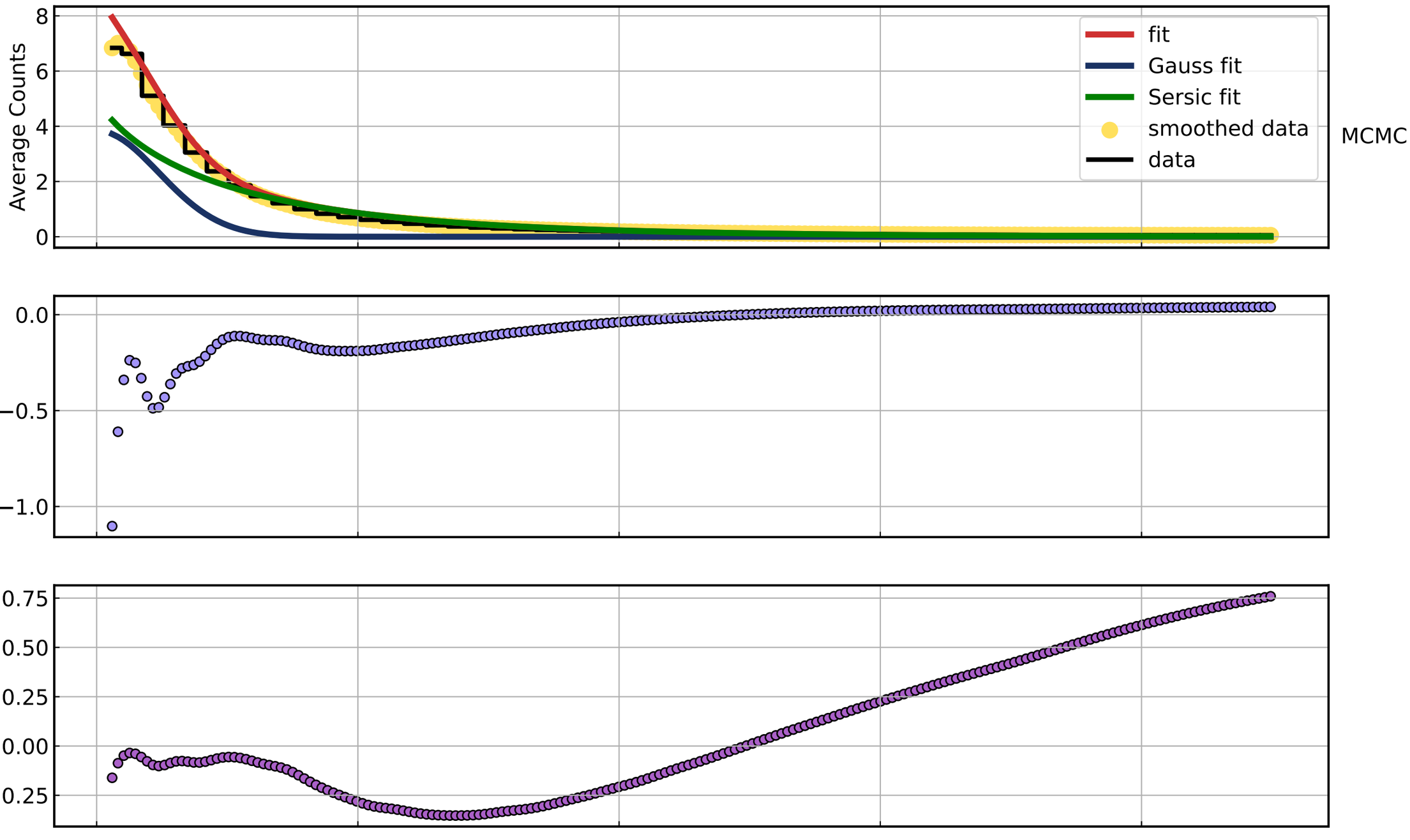


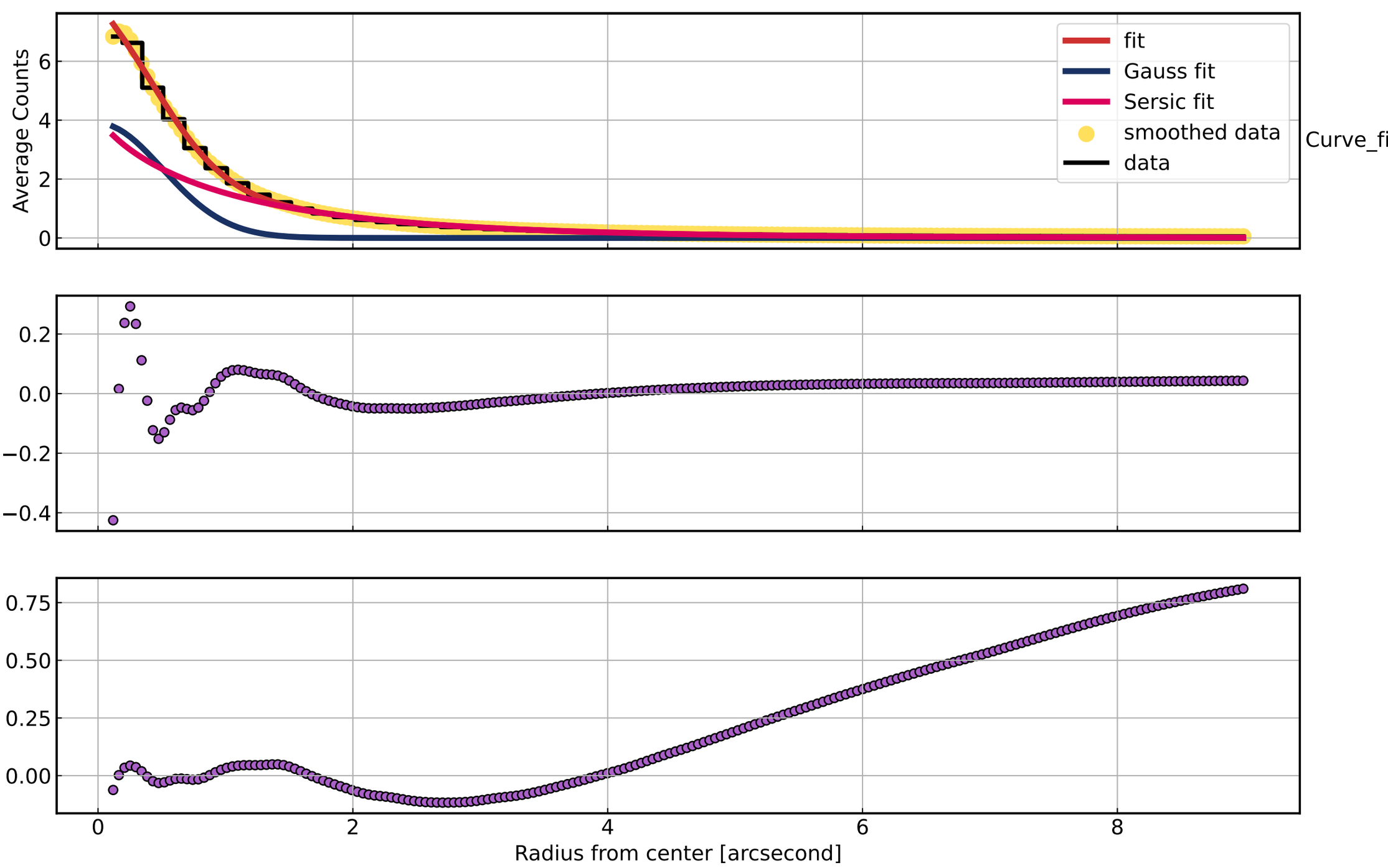
Guassian + Sersic - 0.75 < z < 0.85

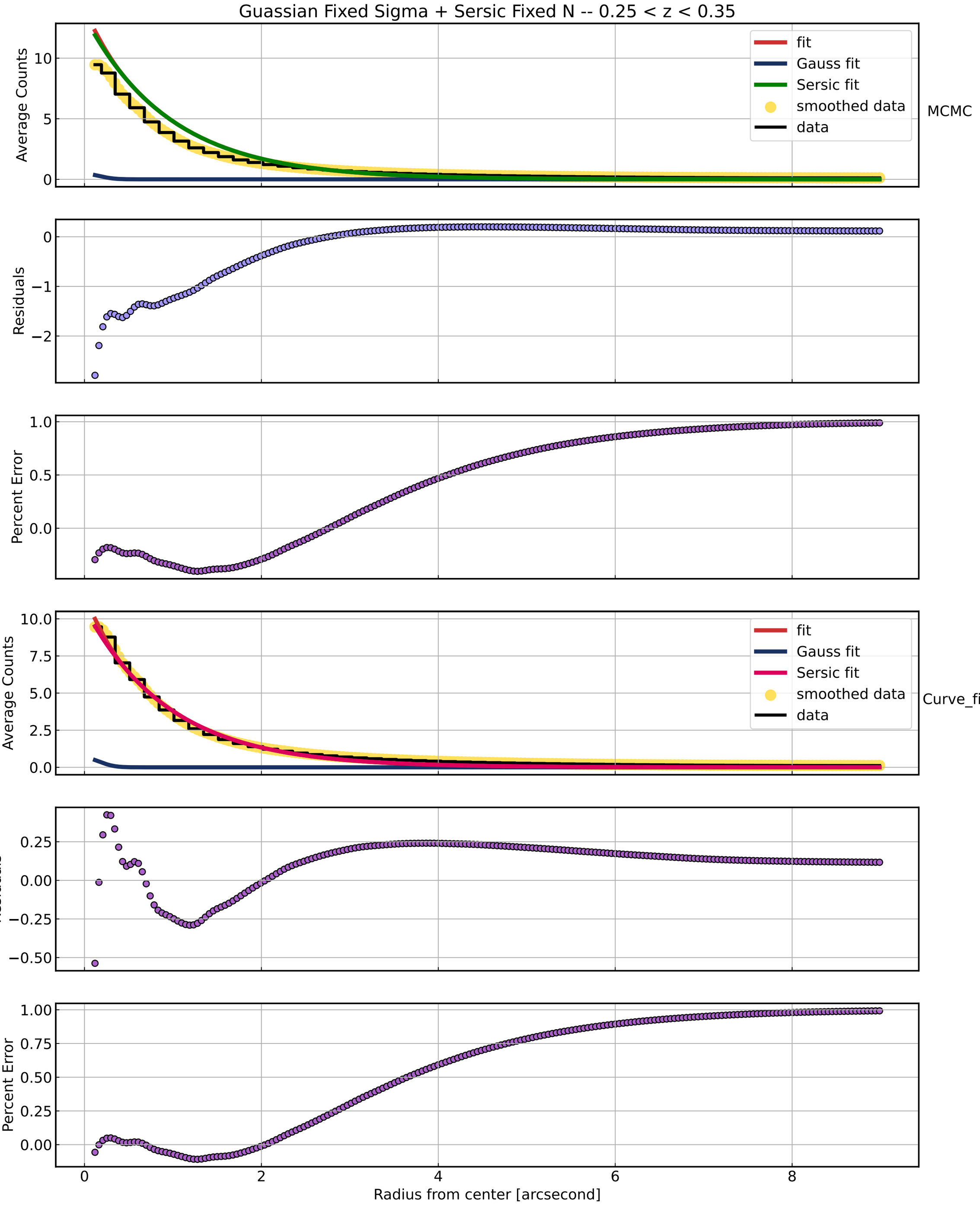


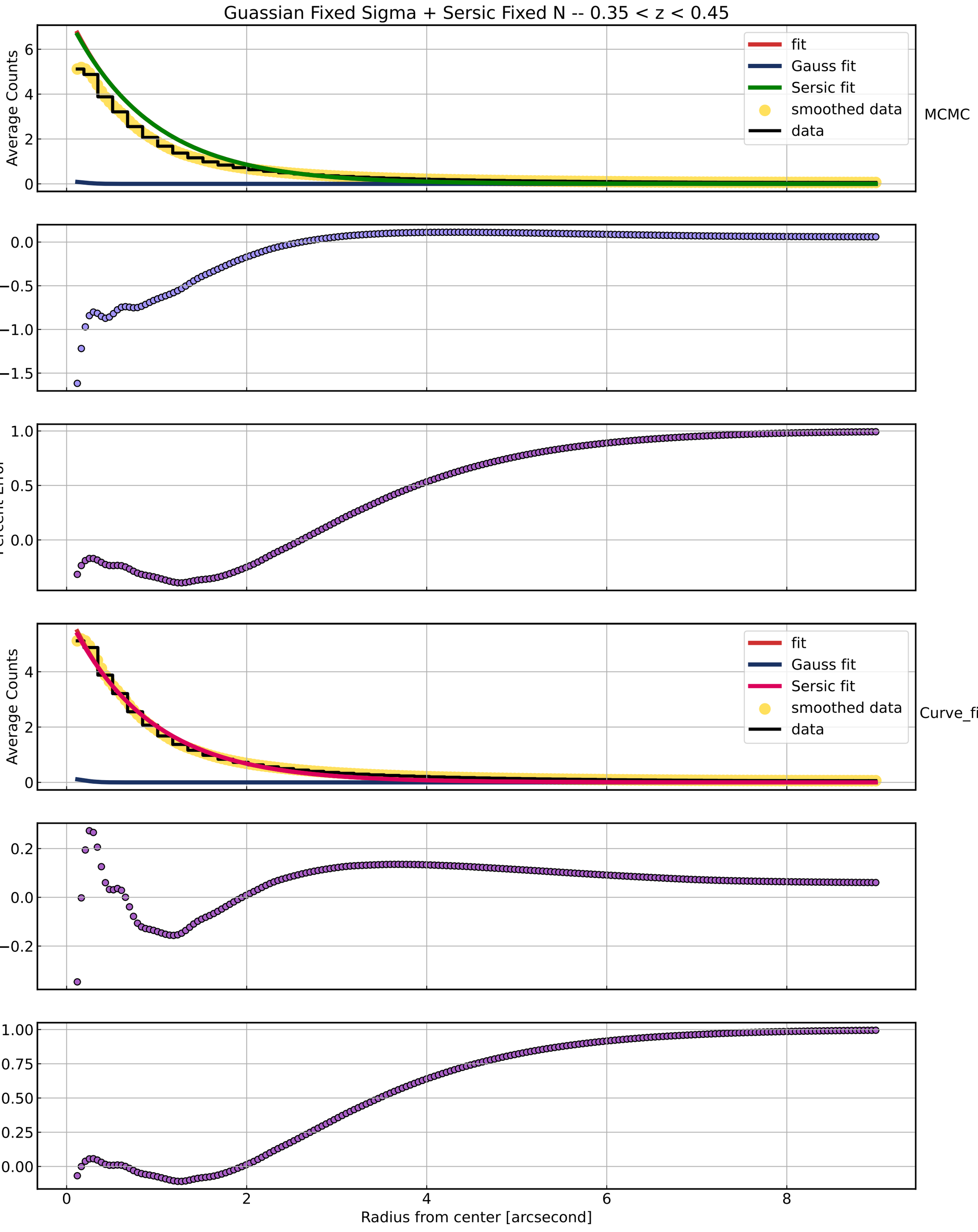


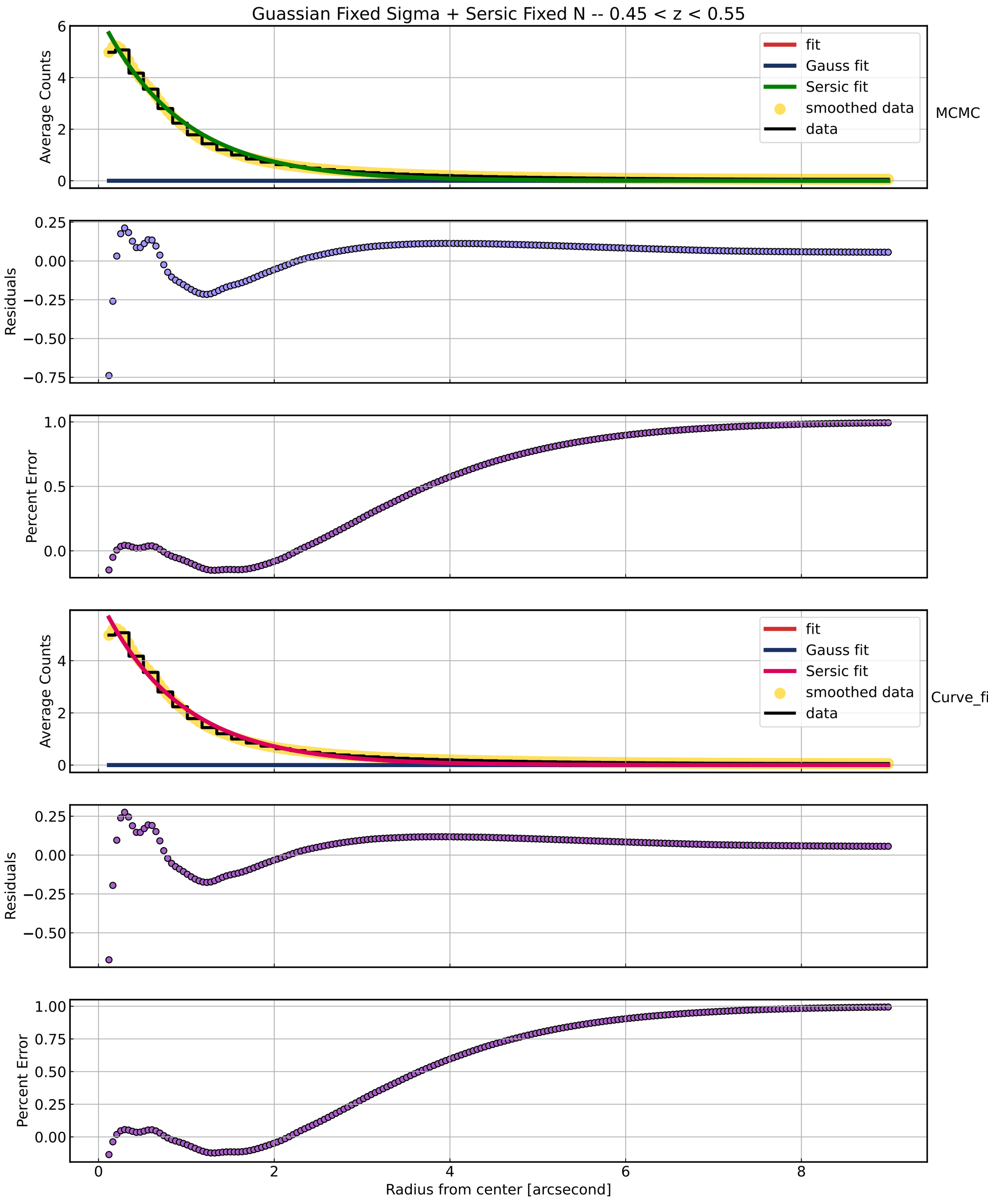
Guassian + Sersic - 0.85 < z < 0.96

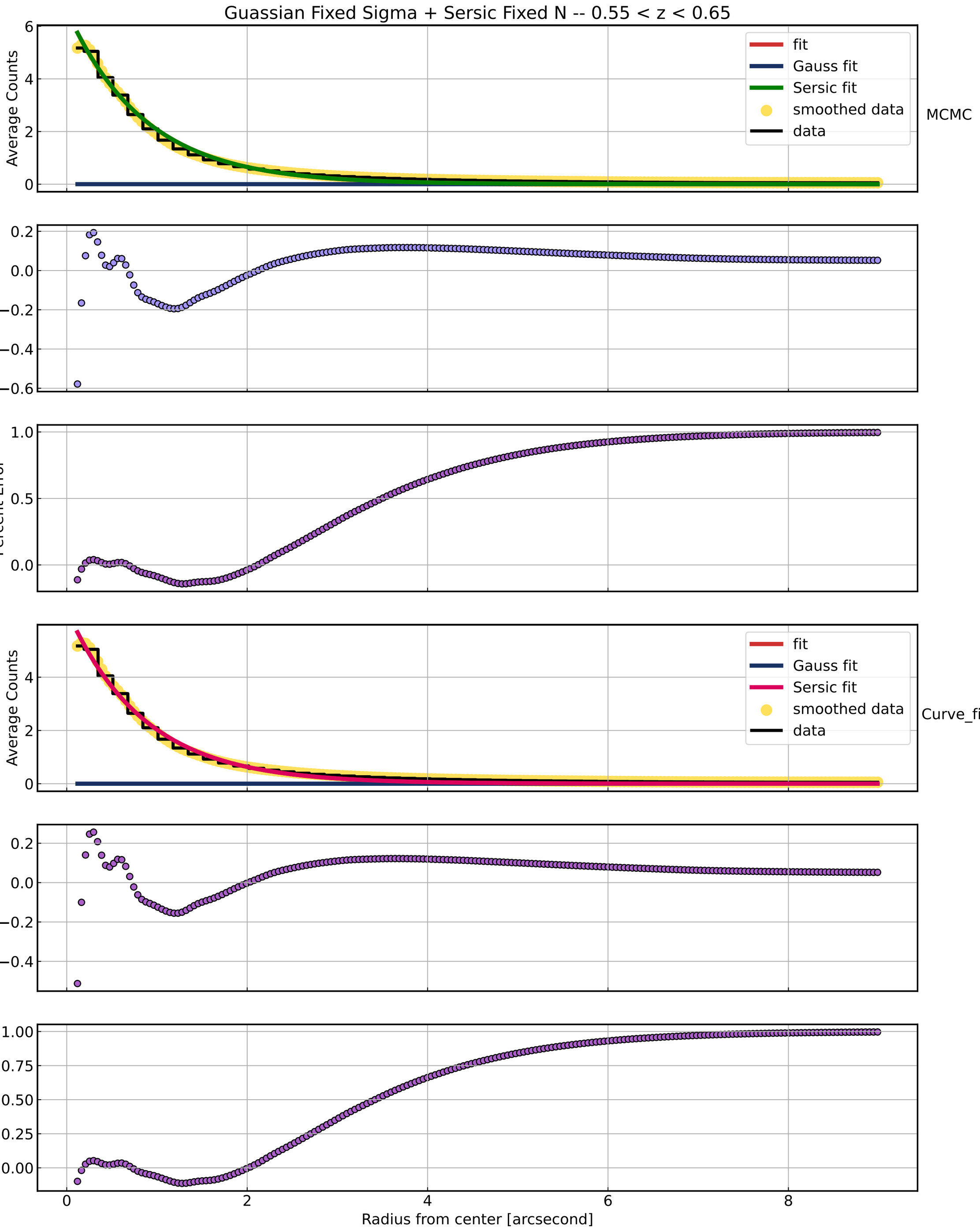


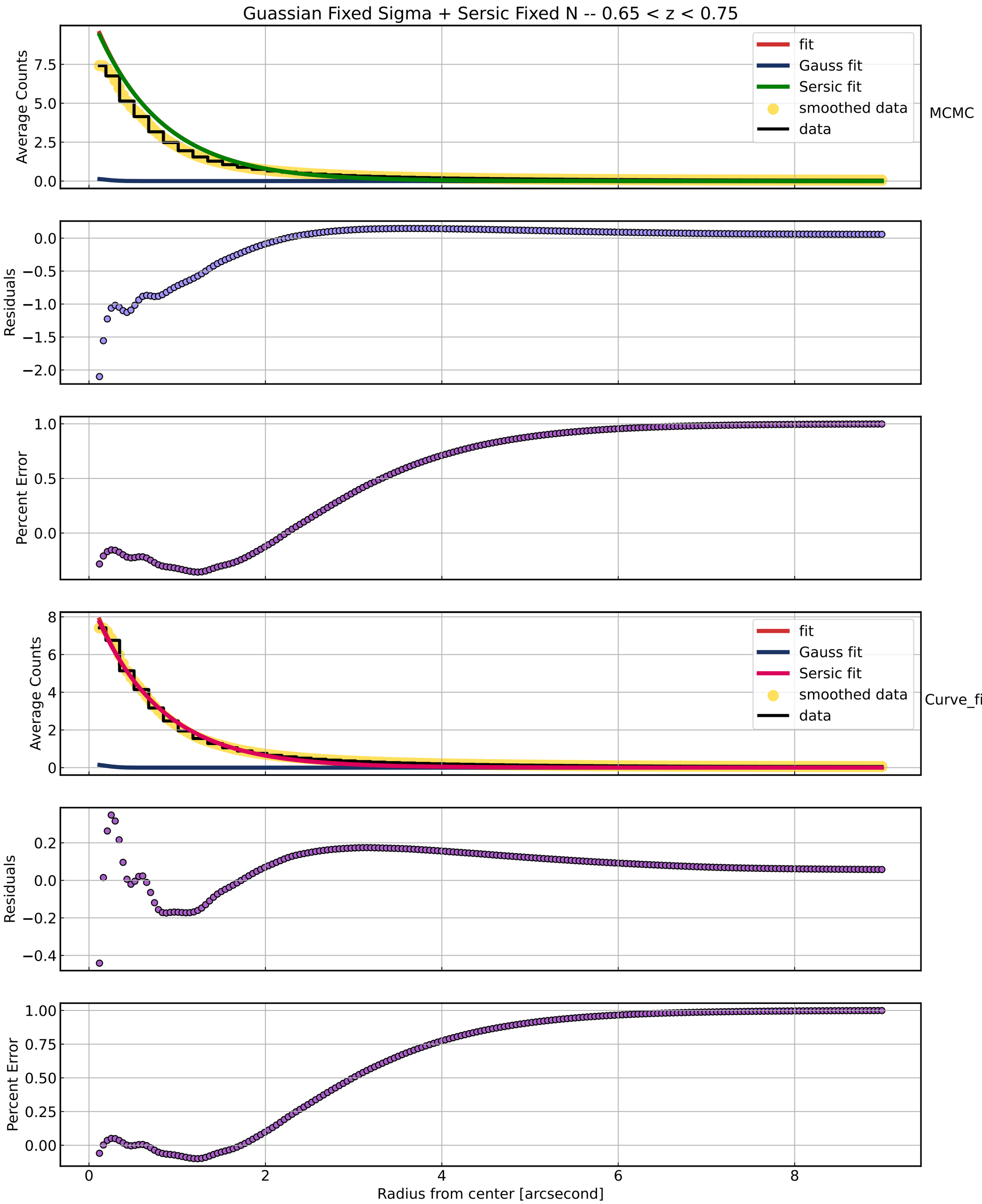


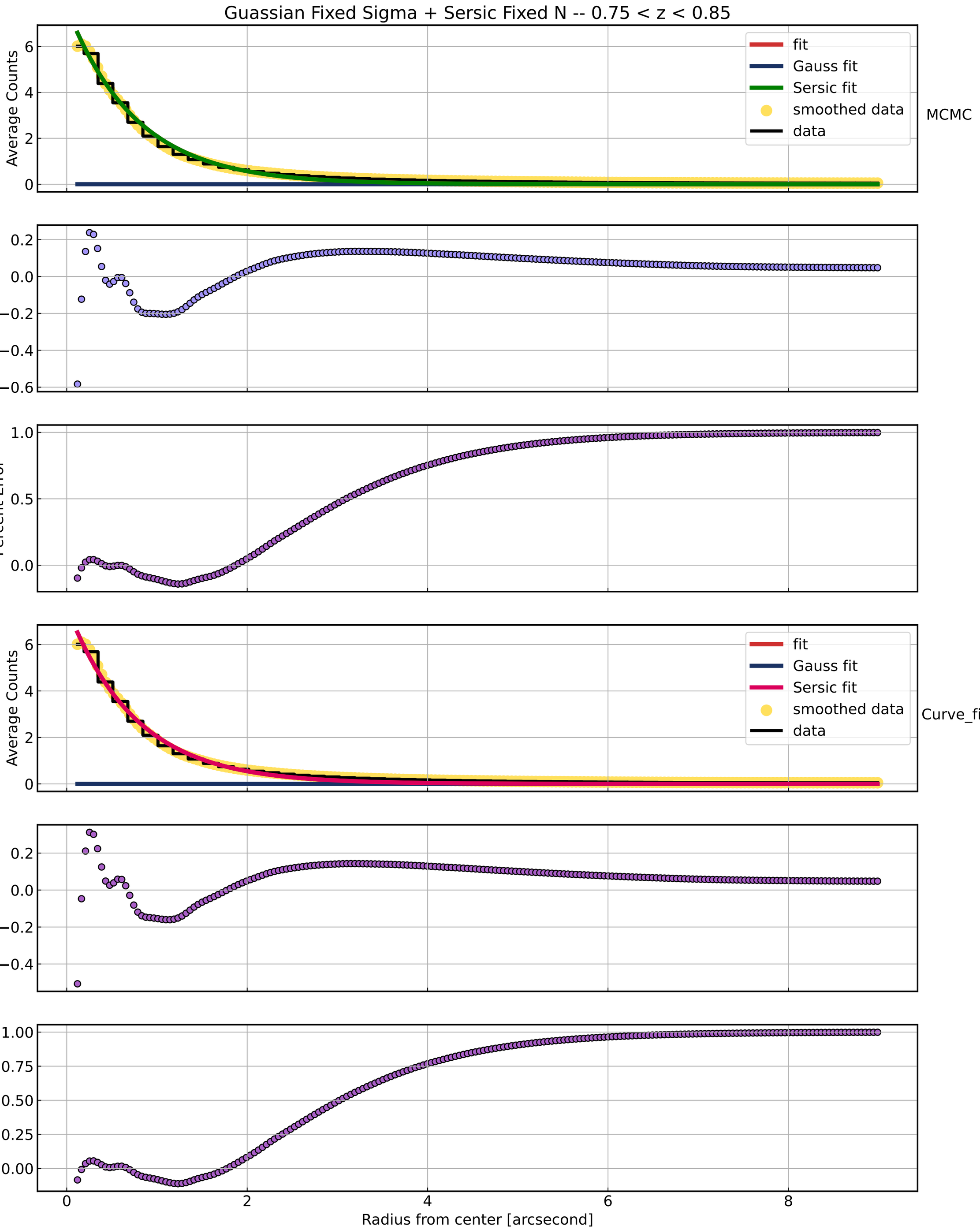

Guassian Fixed Sigma + Sersic Fixed N -- 0.25 < z < 0.35
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals
Percent Error
Radius from center [arcsecond]

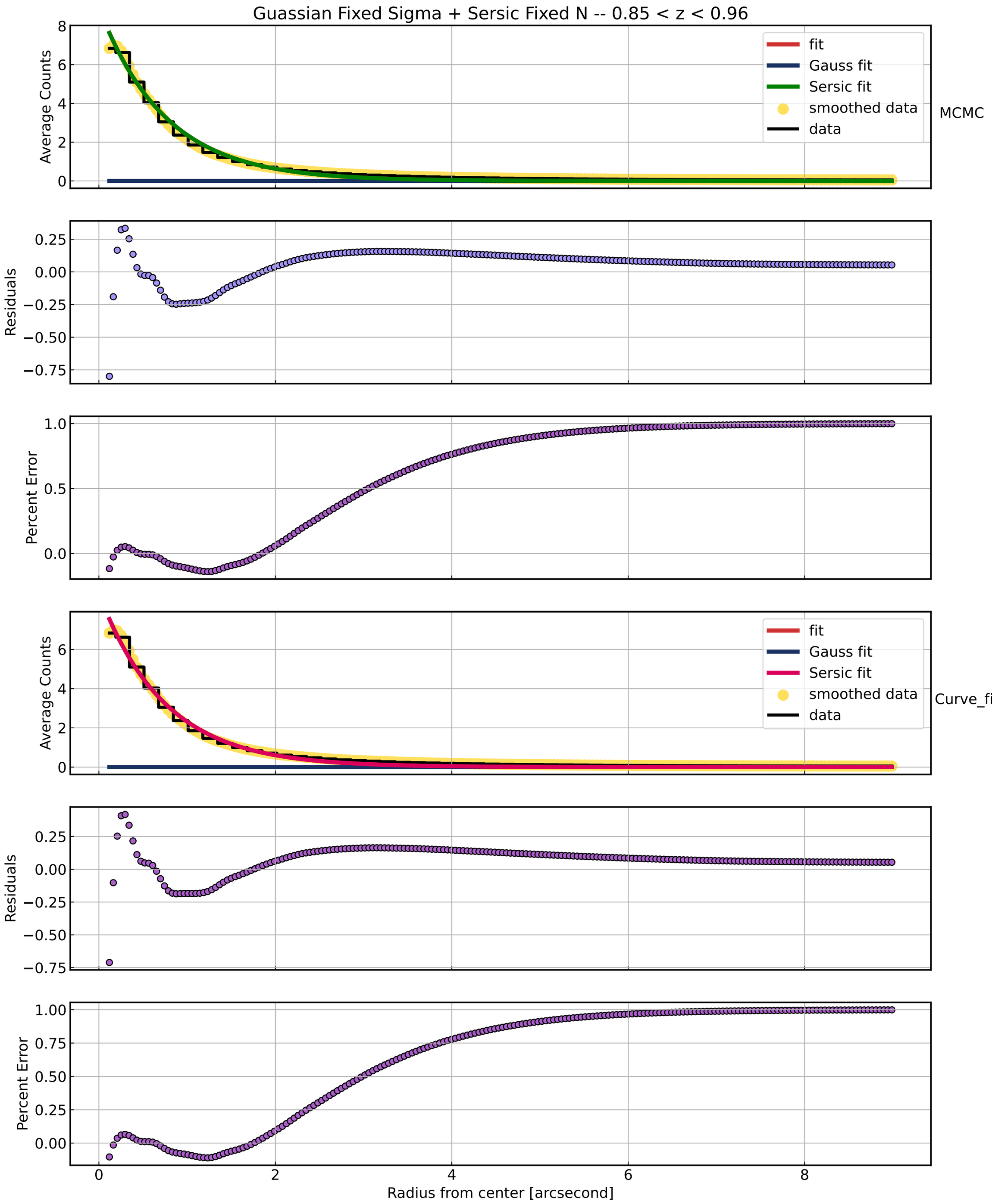

Guassian Fixed Sigma + Sersic Fixed N -- 0.35 < z < 0.45
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

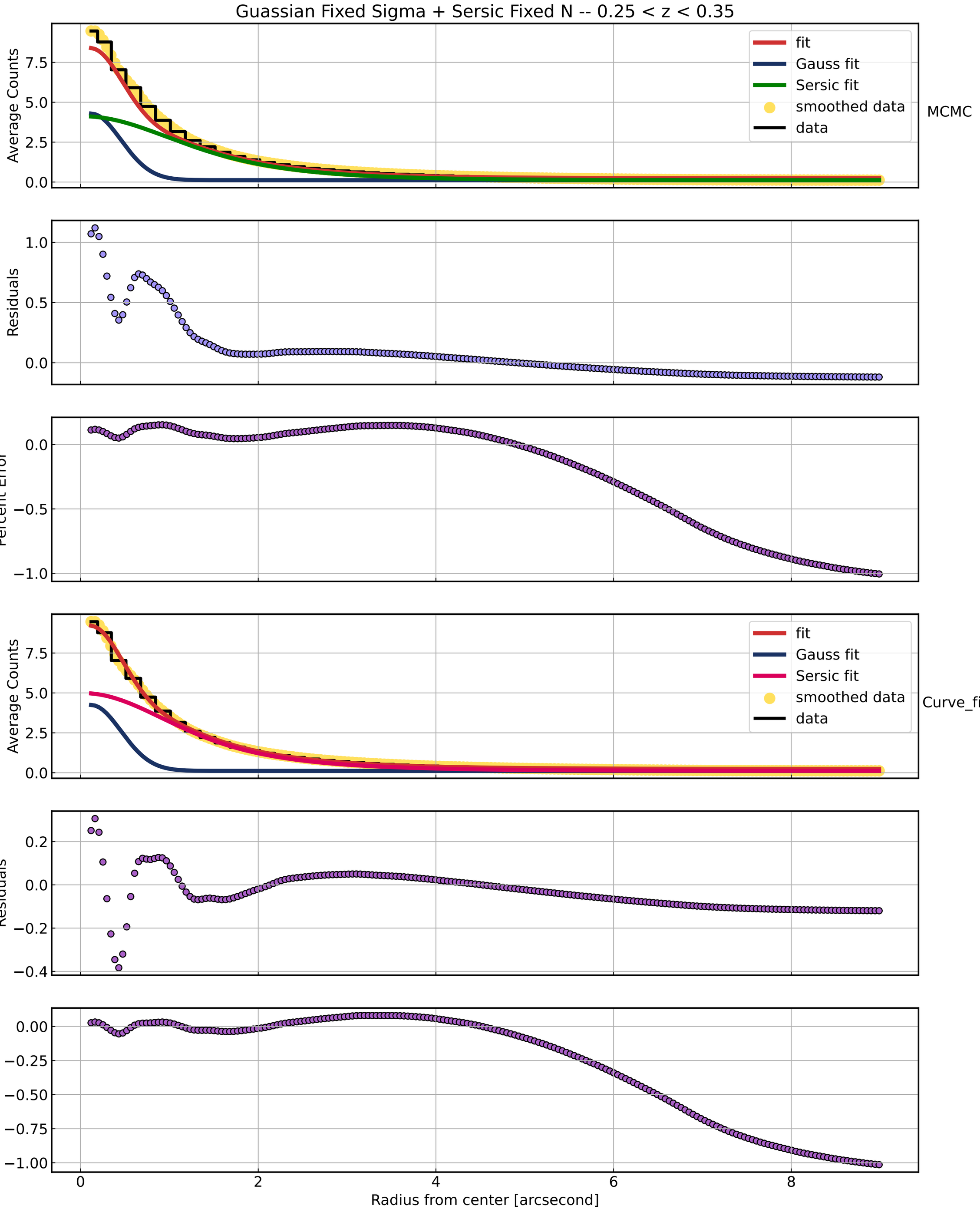

Guassian Fixed Sigma + Sersic Fixed N -- 0.45 < z < 0.55
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

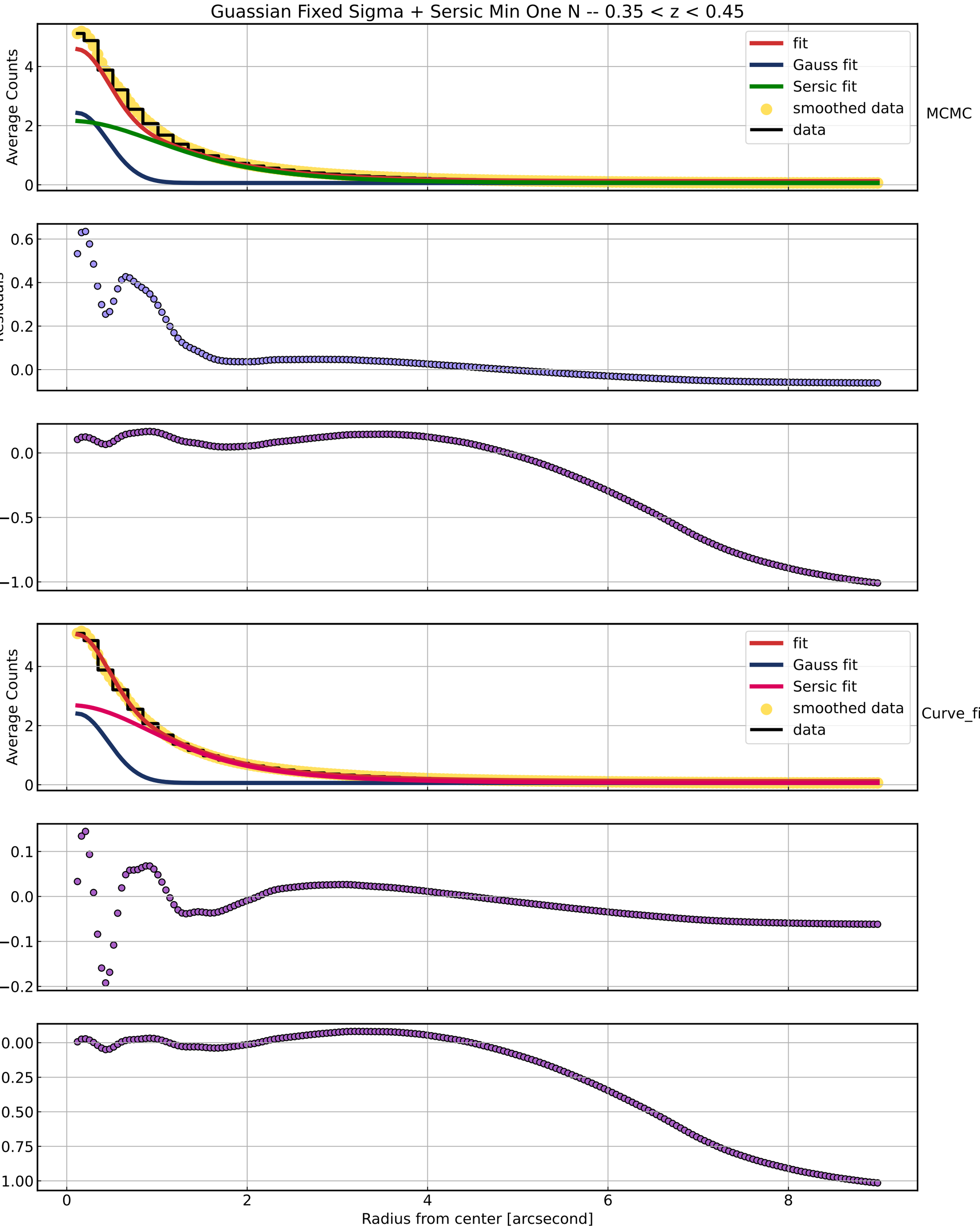

Guassian Fixed Sigma + Sersic Fixed N -- 0.55 < z < 0.65
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

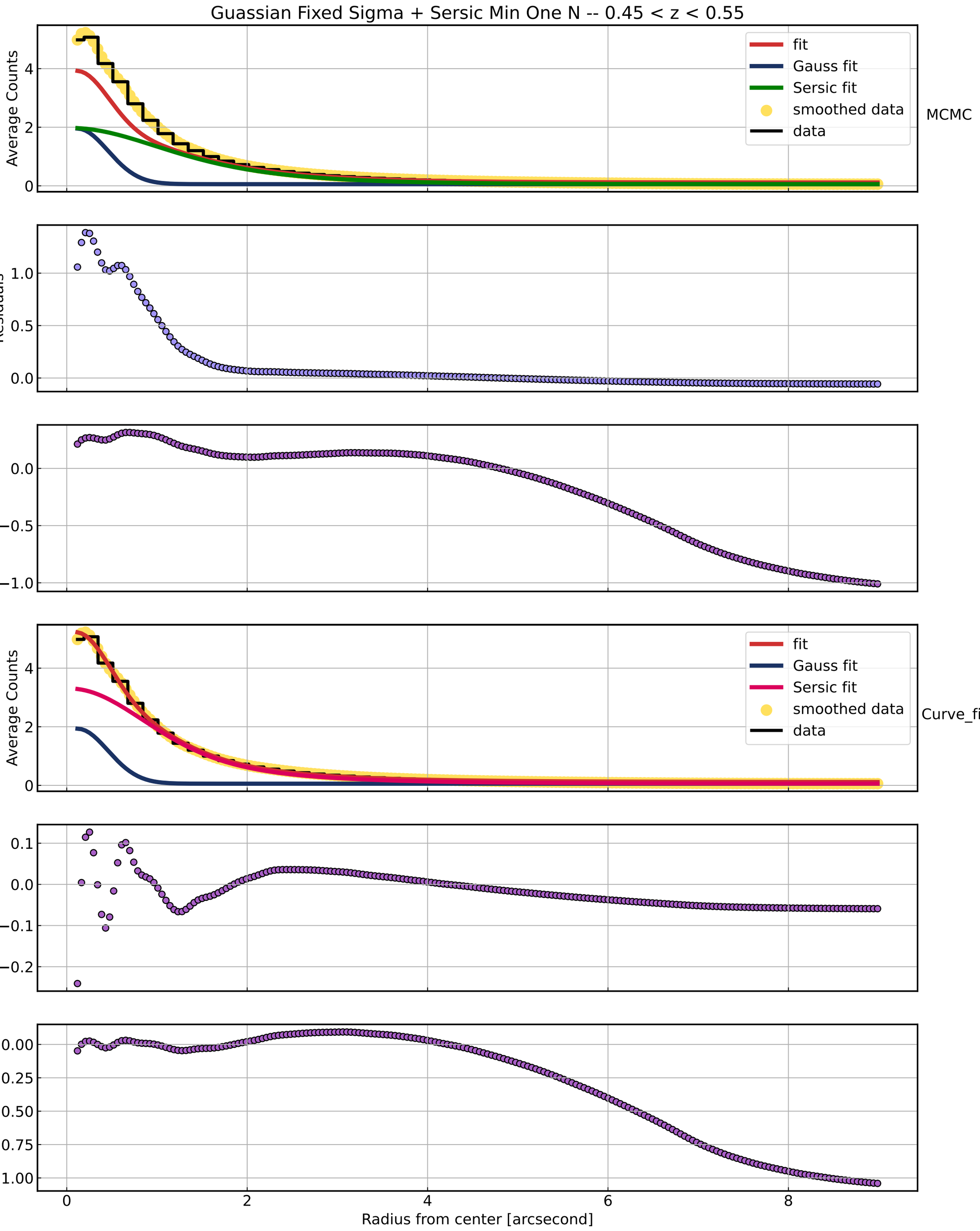

Guassian Fixed Sigma + Sersic Fixed N -- 0.65 < z < 0.75
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals
Percent Error
Radius from center [arcsecond]

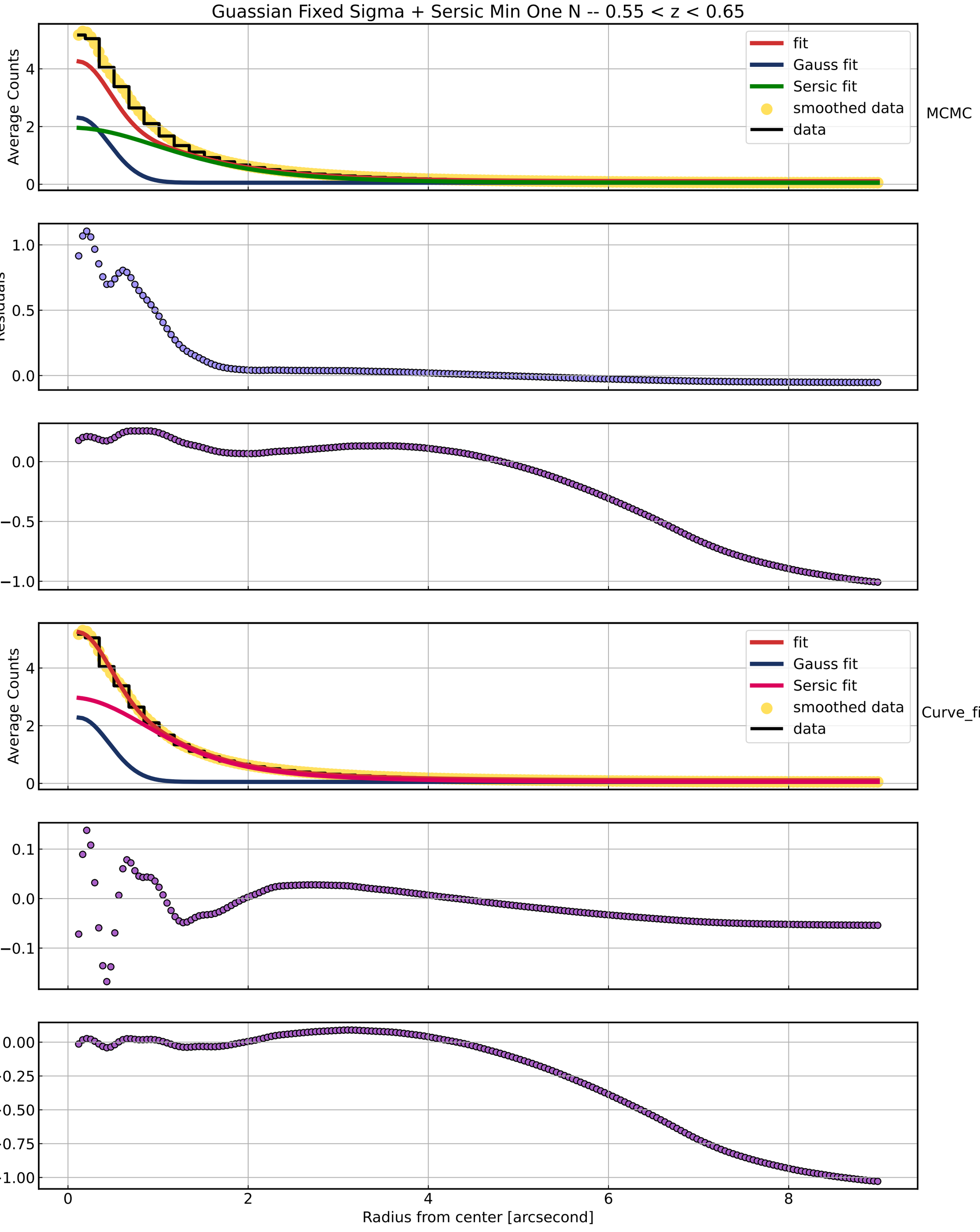

Guassian Fixed Sigma + Sersic Fixed N -- 0.75 < z < 0.85
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

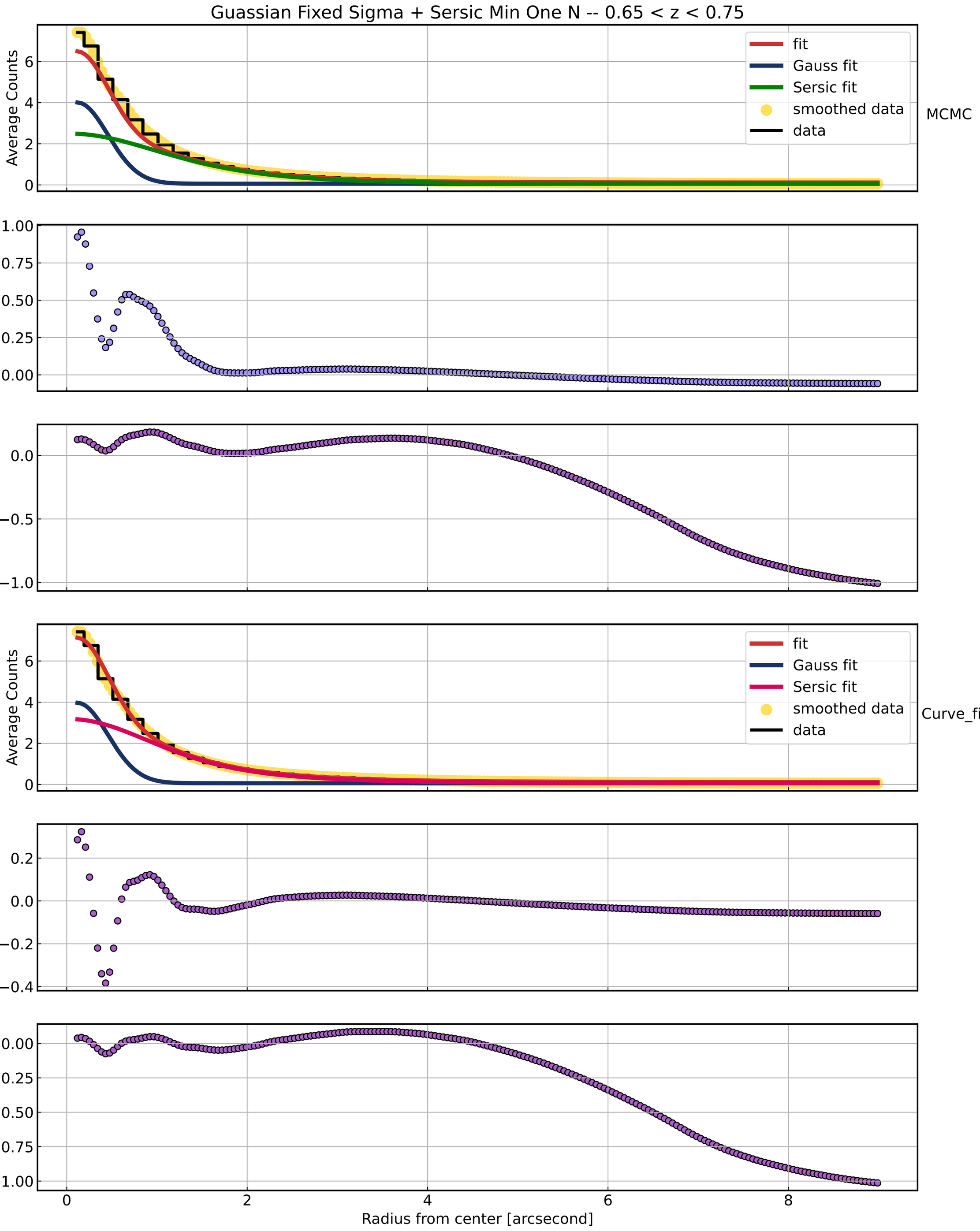

Guassian Fixed Sigma + Sersic Fixed N -- 0.85 < z < 0.96
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

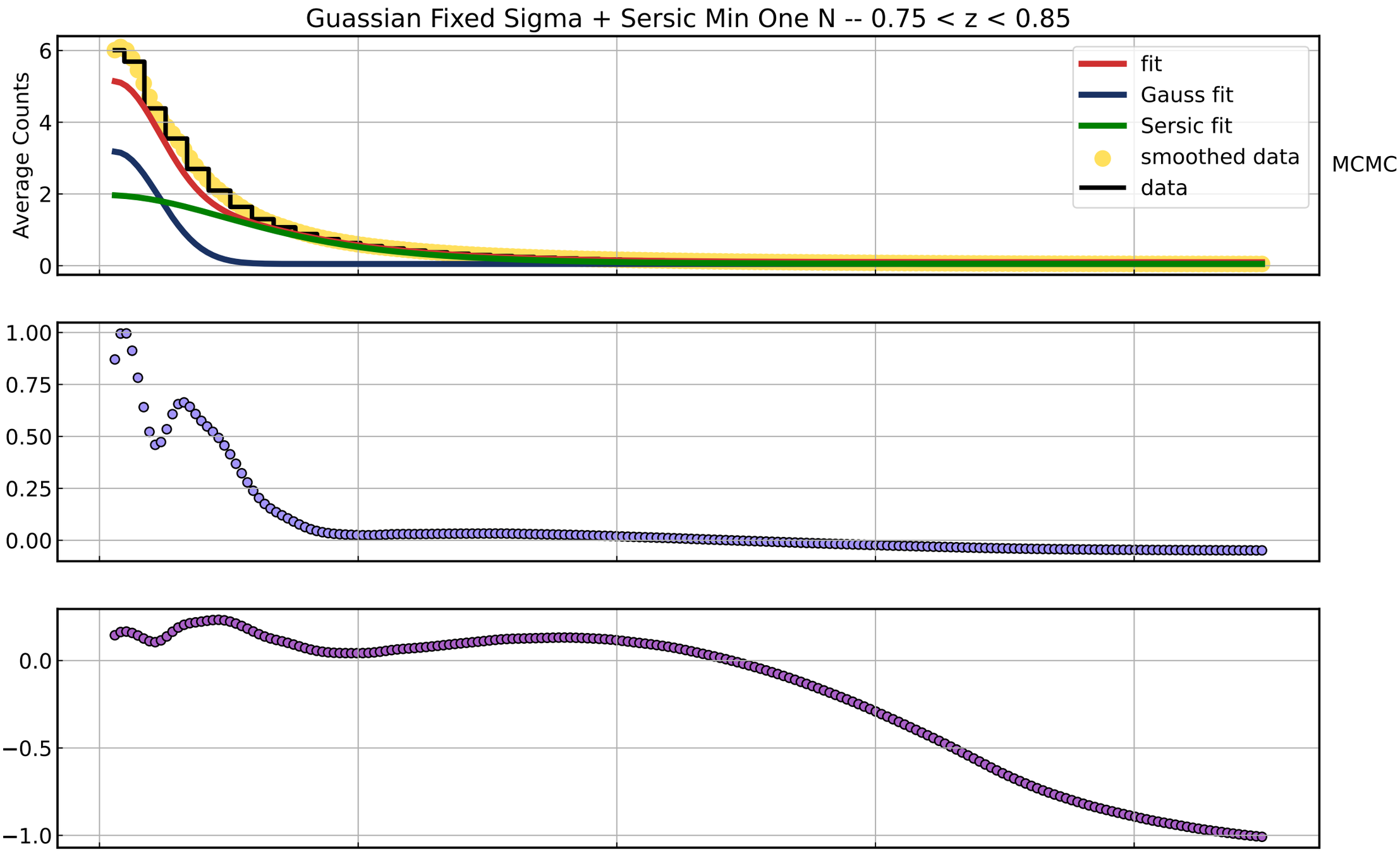

Guassian Fixed Sigma + Sersic Fixed N -- 0.25 < z < 0.35
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]


Guassian Fixed Sigma + Sersic Min One N -- 0.35 < z < 0.45
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

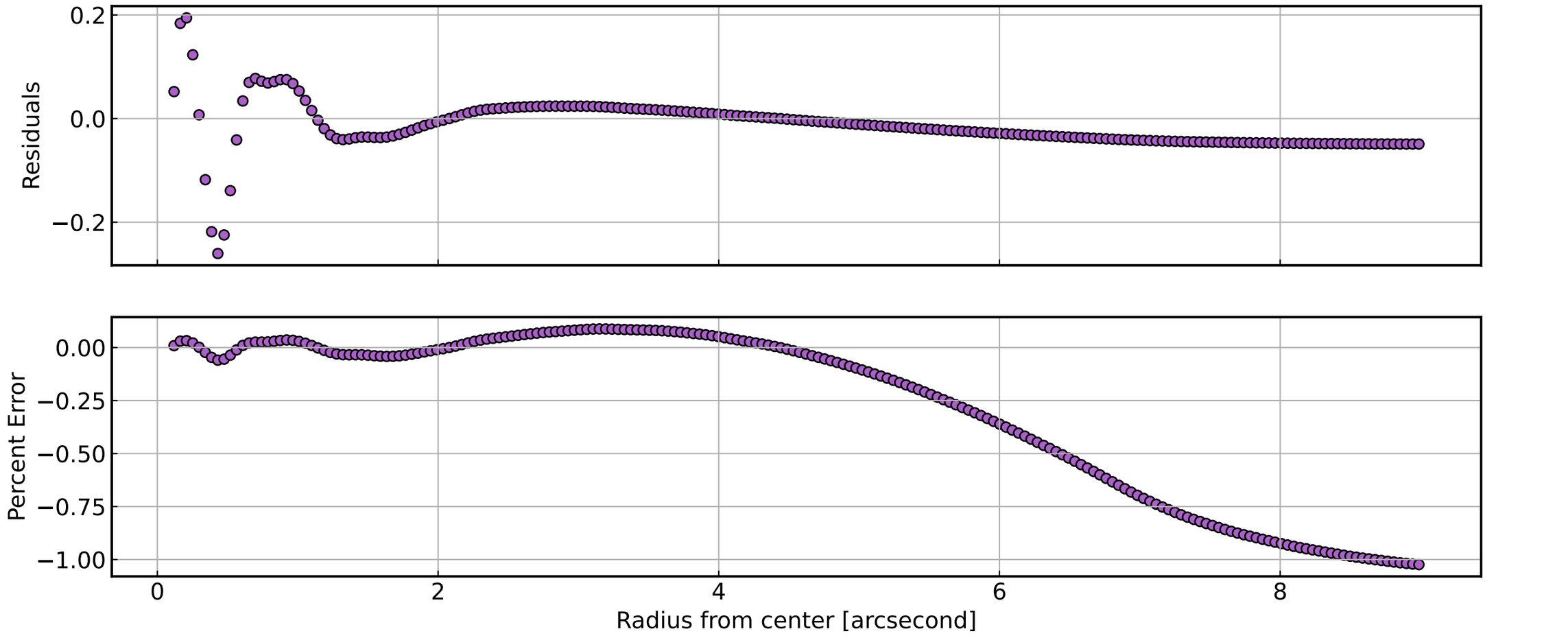

Guassian Fixed Sigma + Sersic Min One N -- 0.45 < z < 0.55
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Residuals
Percent Error
Radius from center [arcsecond]


Guassian Fixed Sigma + Sersic Min One N -- 0.55 < z < 0.65
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

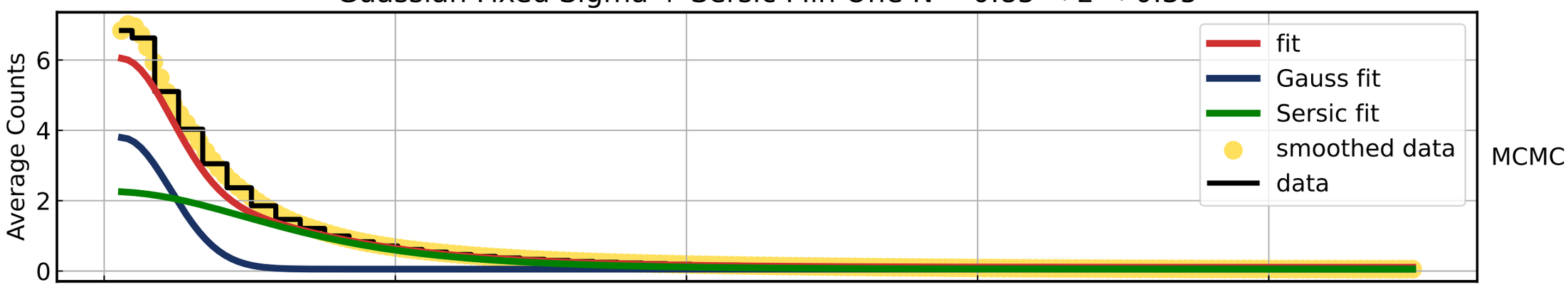

Guassian Fixed Sigma + Sersic Min One N -- 0.65 < z < 0.75
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error
Curve_fit
Radius from center [arcsecond]

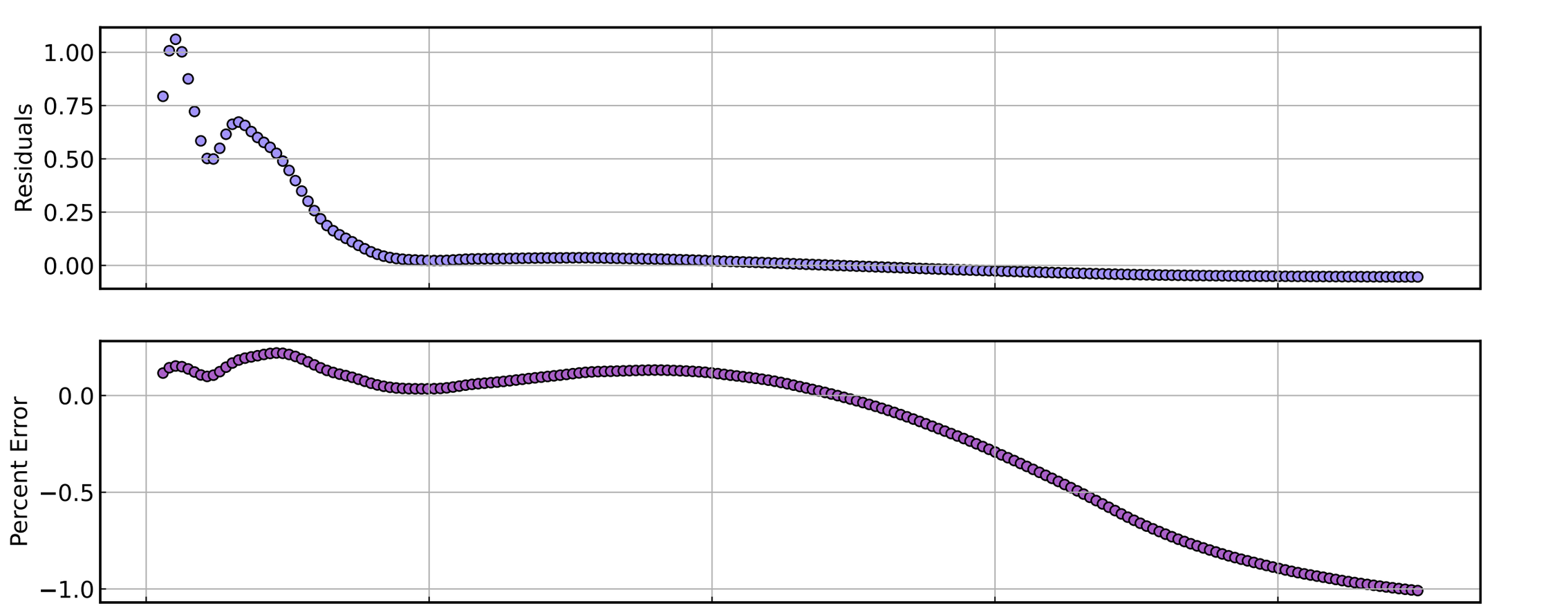

Guassian Fixed Sigma + Sersic Min One N -- 0.75 < z < 0.85
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
MCMC
Residuals
Percent Error

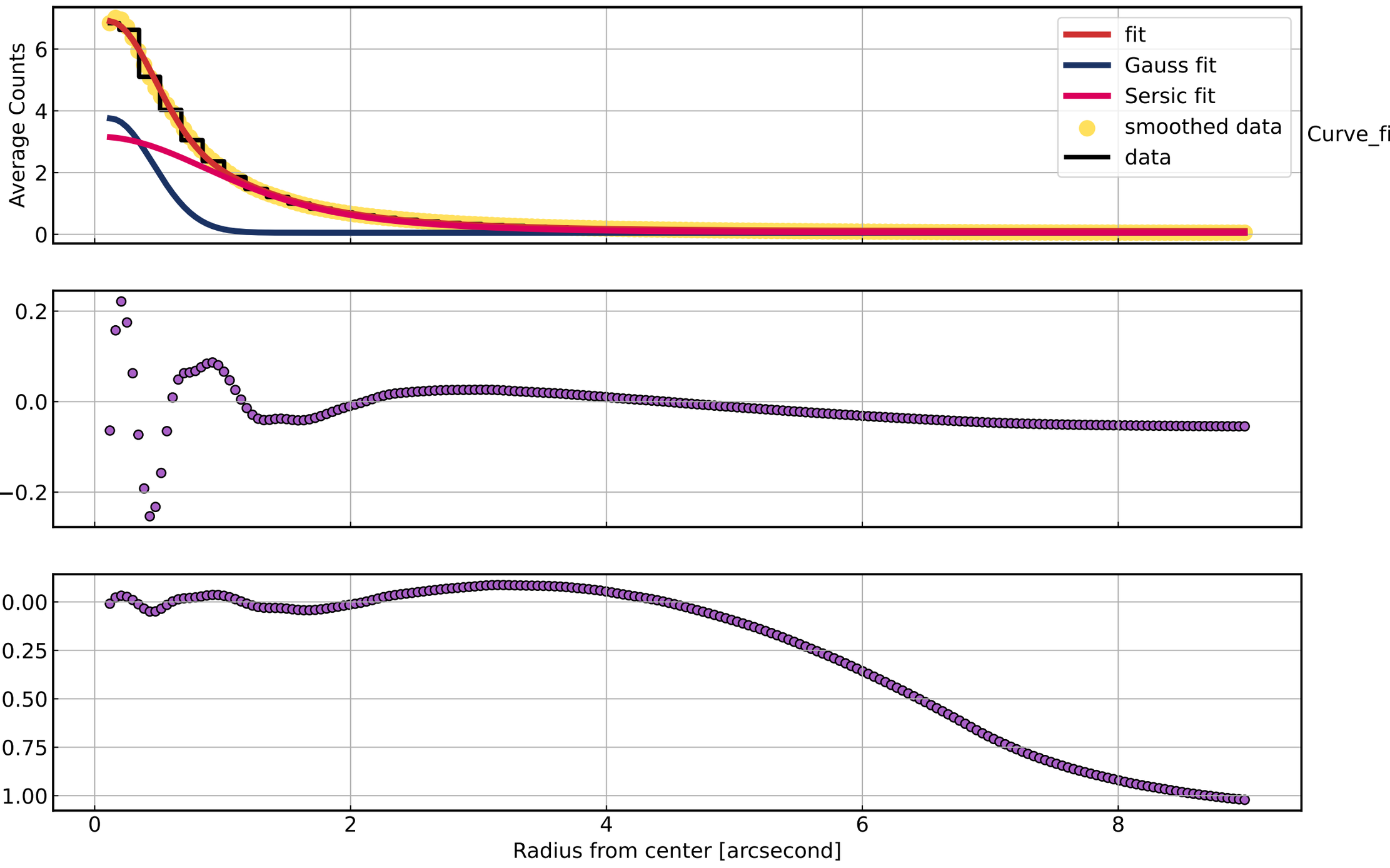
Average Counts
fit
Gauss fit
Sersic fit
smoothed data
data
Curve_fit
Residuals

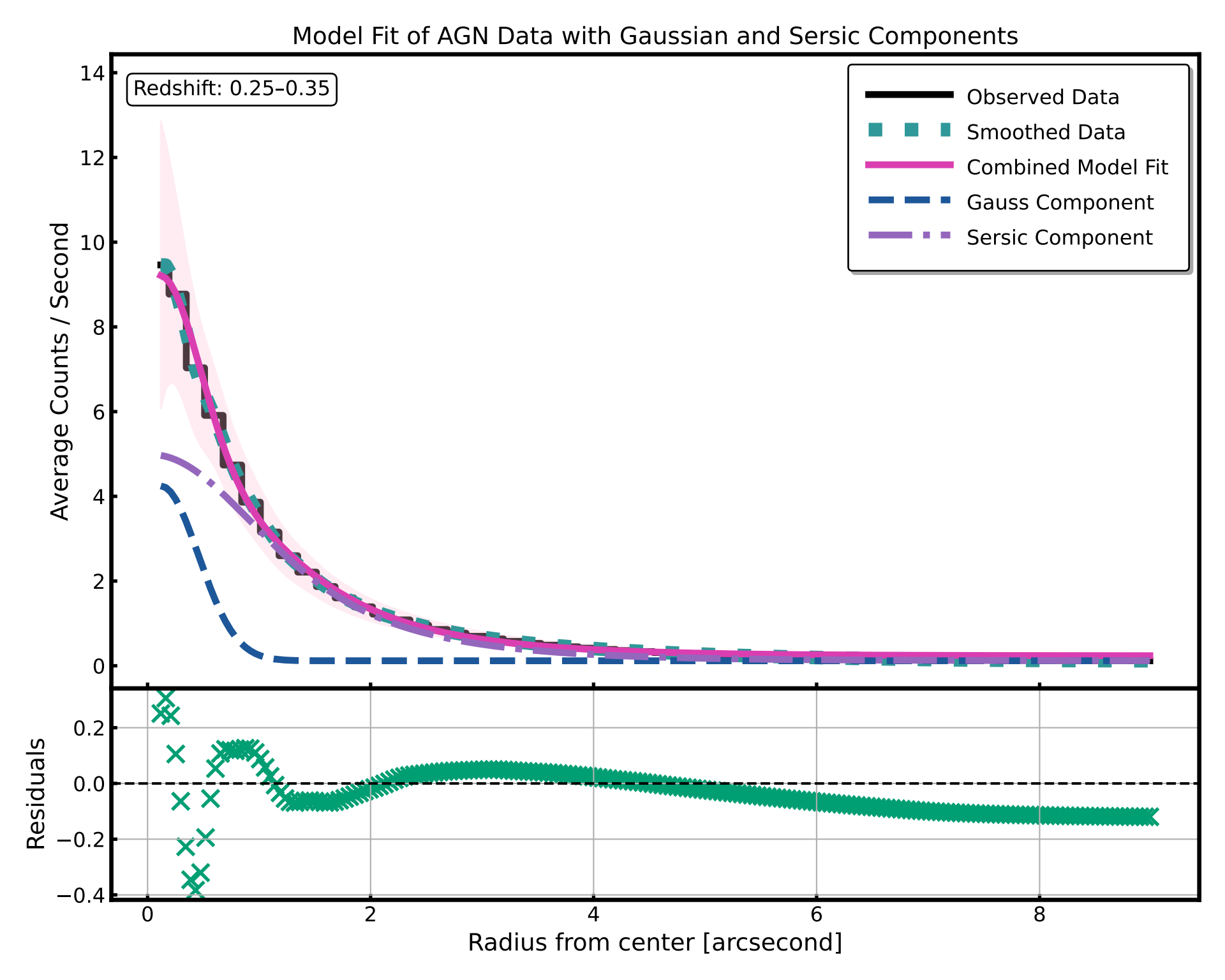

Percent Error
Radius from center [arcsecond]

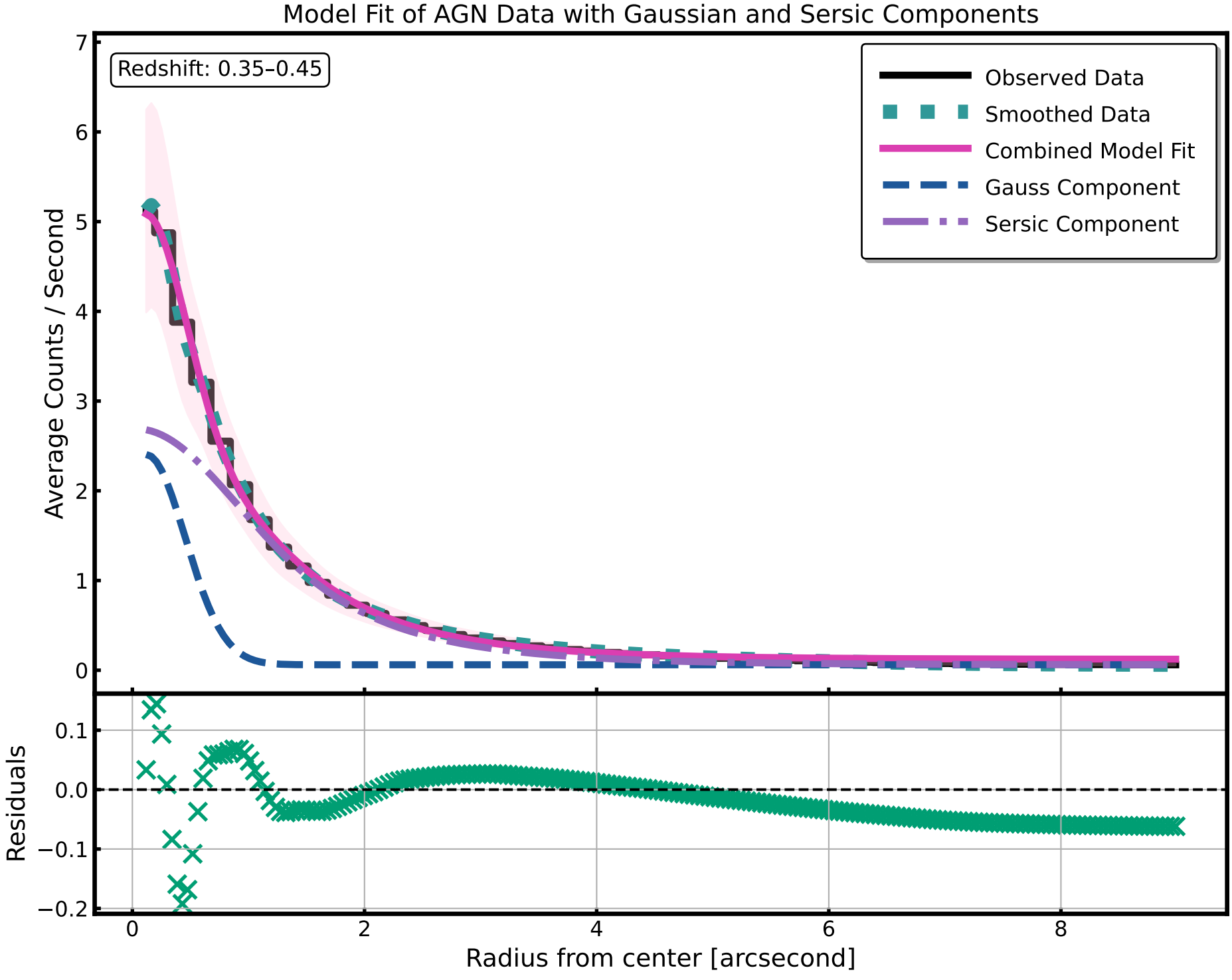
Guassian Fixed Sigma + Sersic Min One N -- 0.85 < z < 0.35

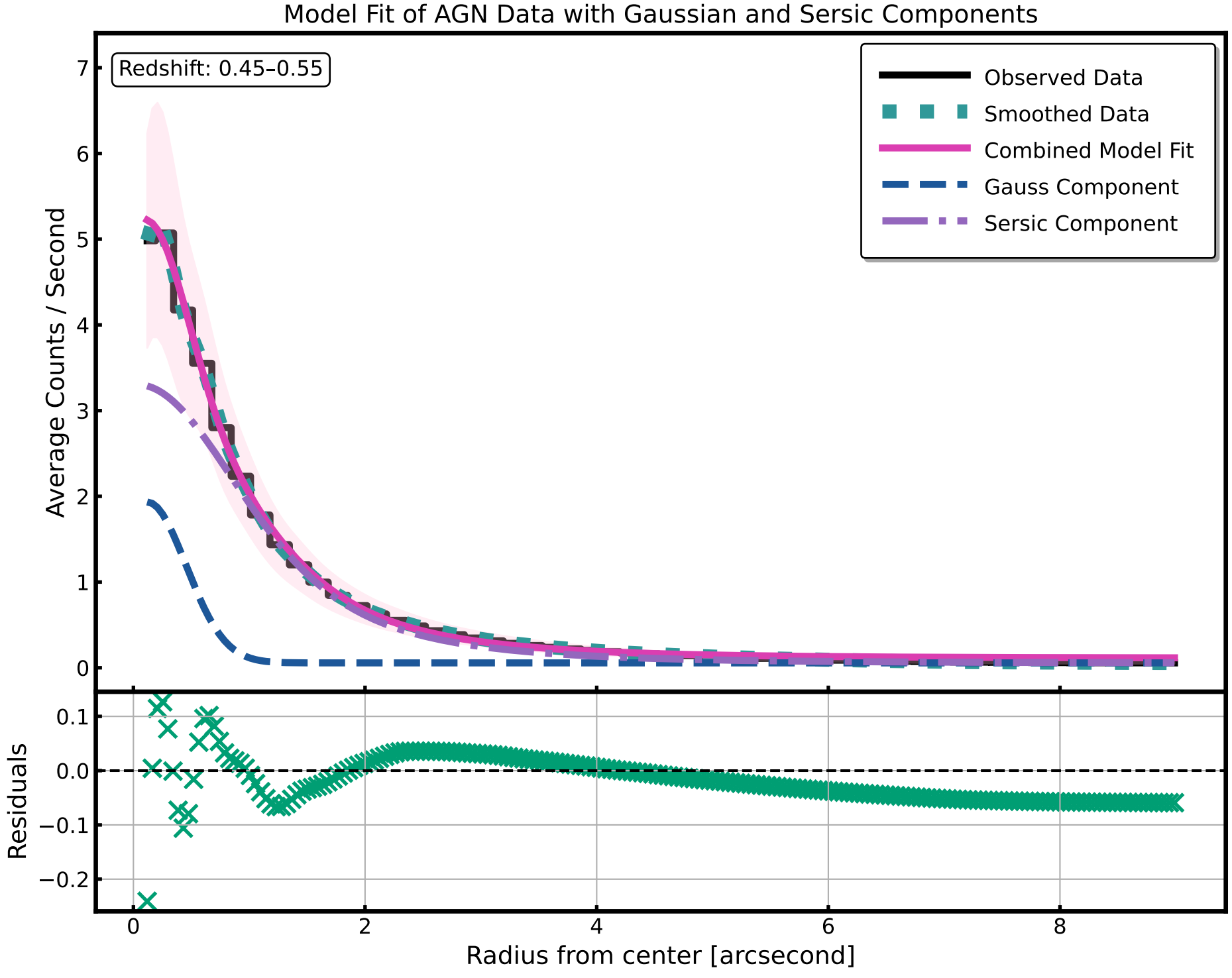


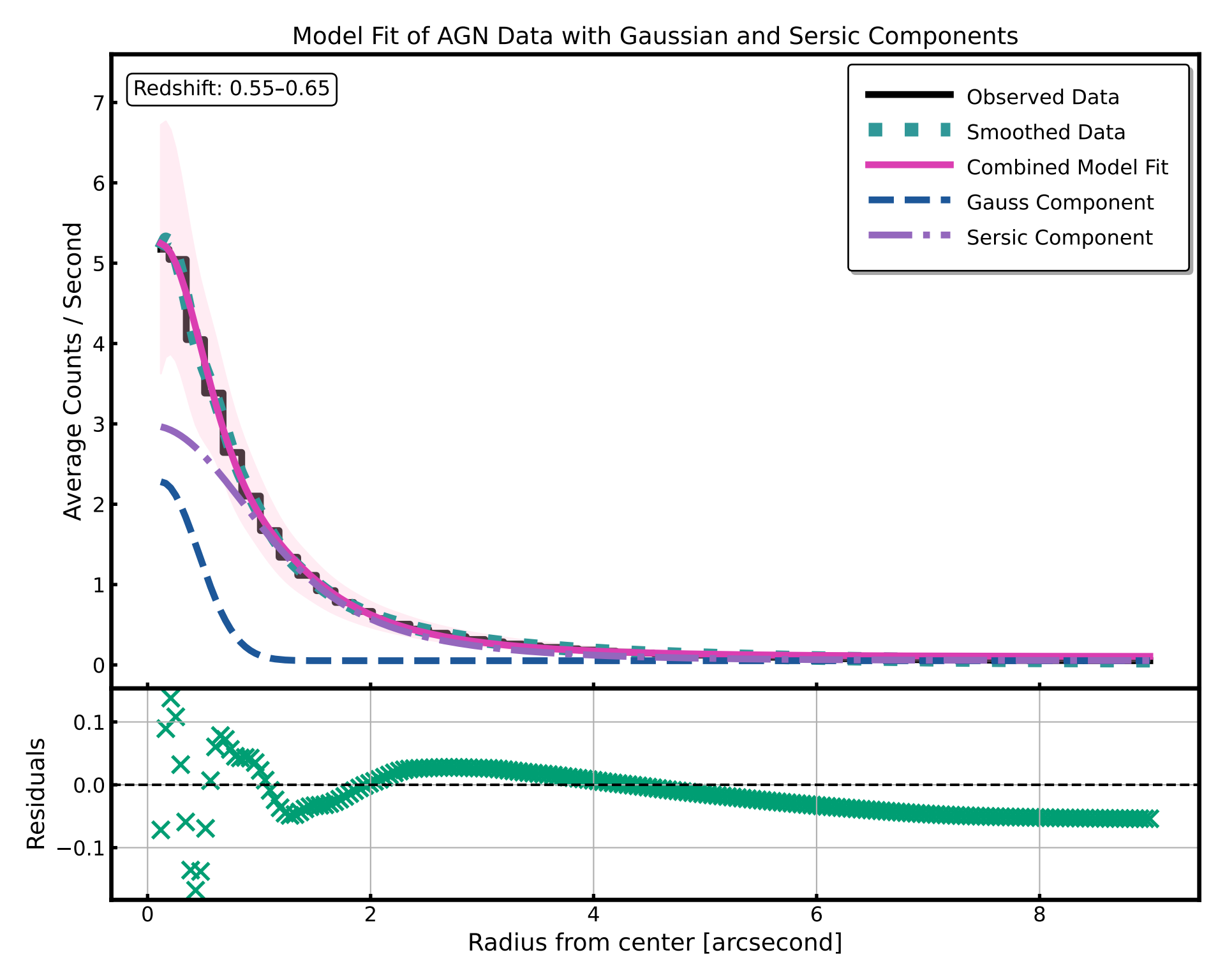


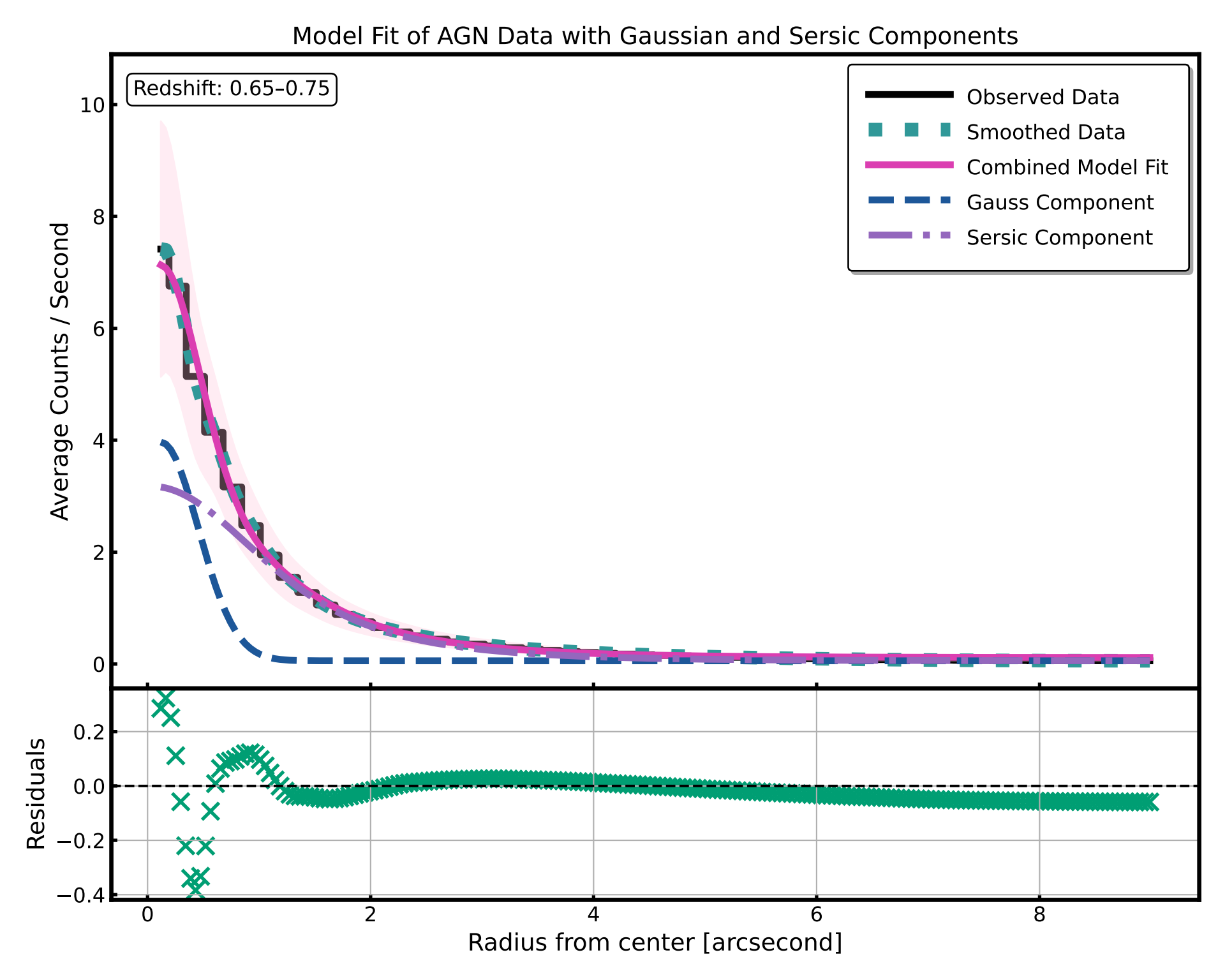


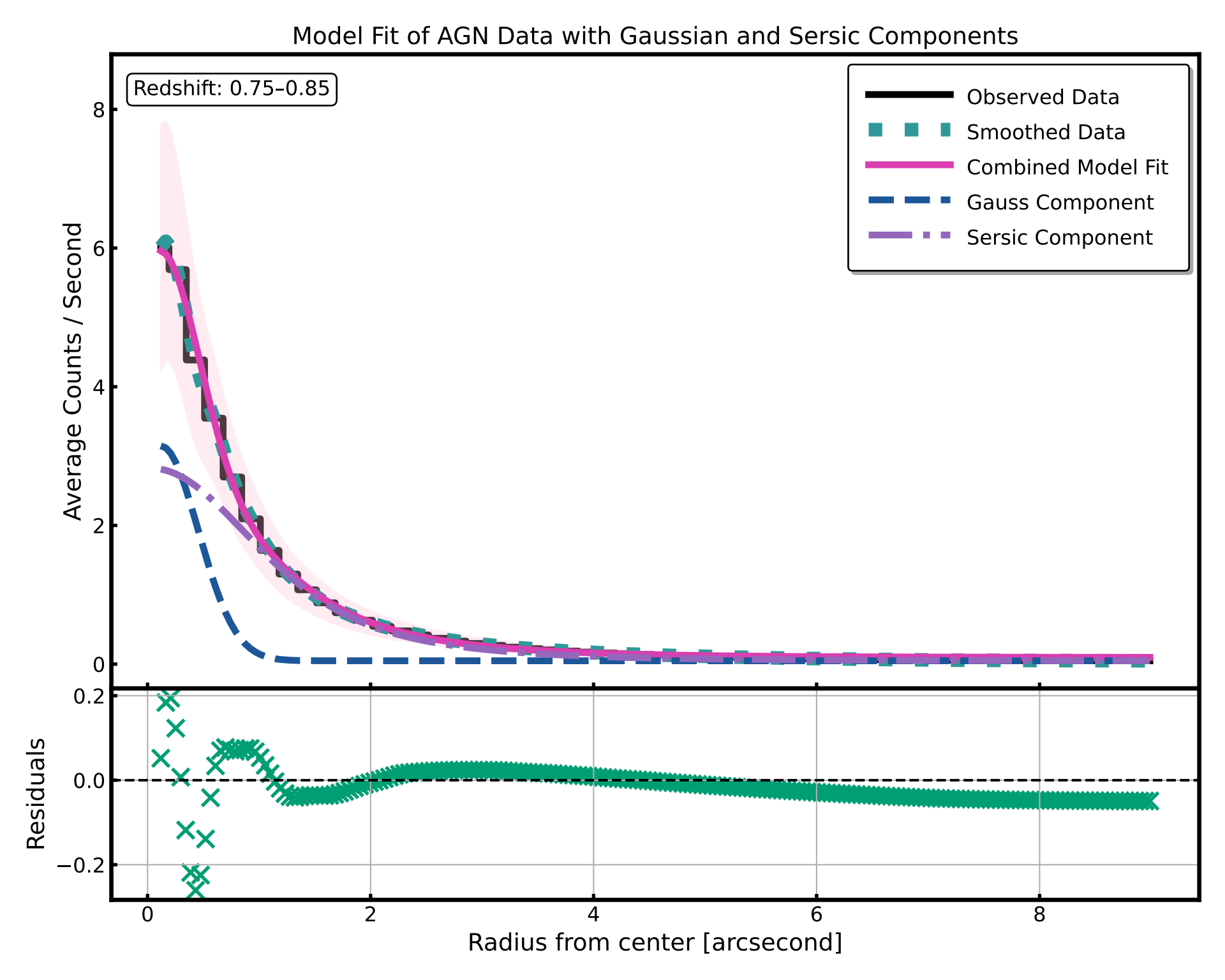

Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.25–0.35
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
2
4
6
8
10
12
14
0.2
0.0
−0.2
−0.4

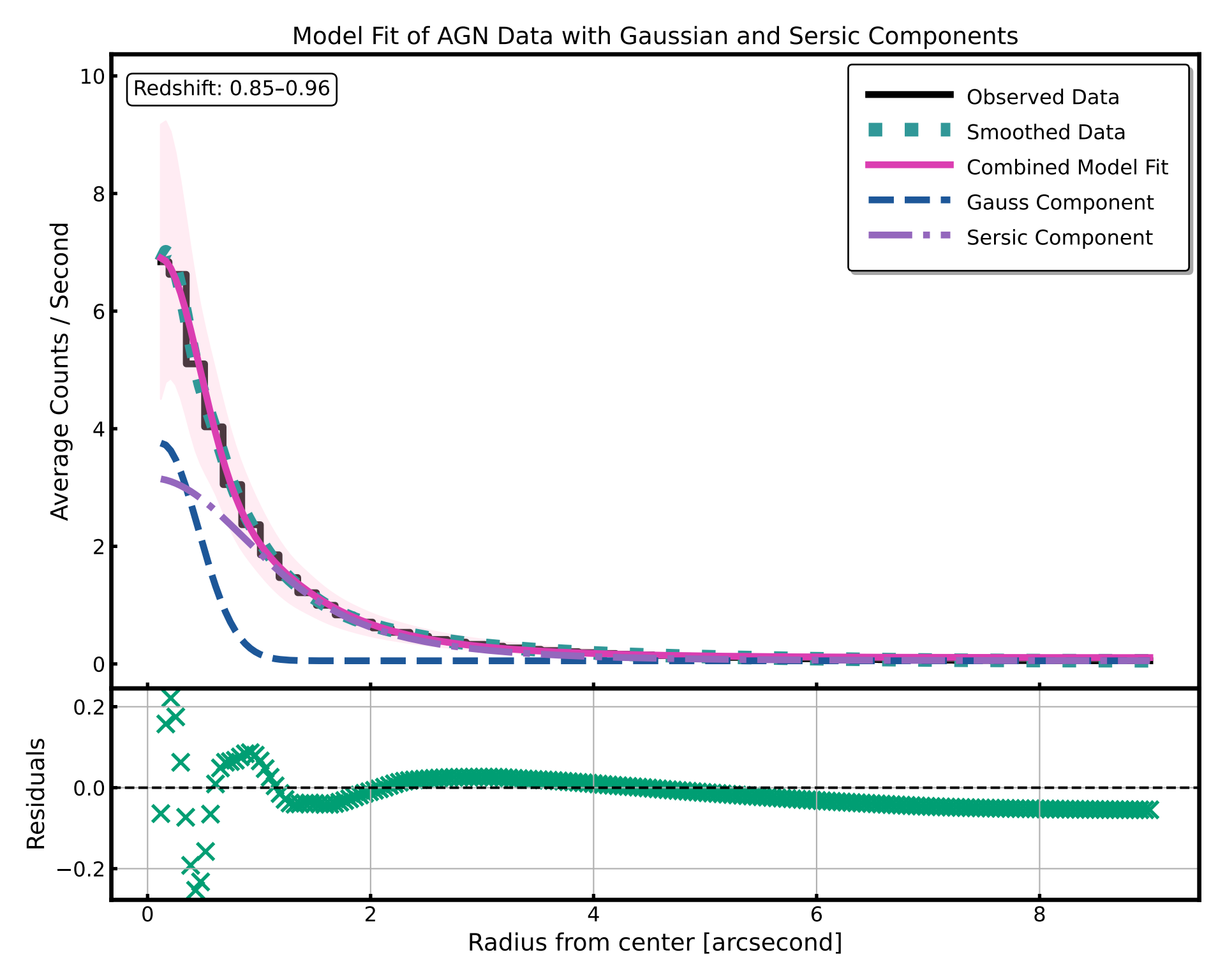

Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.35–0.45
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
1
2
3
4
5
6
7
0.1
0.0
−0.1
−0.2
0
2
4
6
8


Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.45–0.55
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
1
2
3
4
5
6
7
0.1
0.0
−0.1
−0.2
2
4
6
8


Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.55–0.65
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
1
2
3
4
5
6
7
0.1
0.0
−0.1
0
2
4
6
8


Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.65–0.75
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
2
4
6
8
10
0.2
0.0
−0.2
−0.4


Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.75–0.85
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
2
4
6
8
0.2
0.0
−0.2


Model Fit of AGN Data with Gaussian and Sersic Components
Redshift: 0.85–0.96
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Average Counts / Second
Residuals
Radius from center [arcsecond]
0
2
4
6
8
10
0.2
0.0
−0.2

Redshift: 0.25–0.35
Redshift: 0.35–0.45
Redshift: 0.45–0.55
Redshift: 0.55–0.65
Redshift: 0.65–0.75
Redshift: 0.75–0.85
Redshift: 0.85–0.96
Observed Data
Smoothed Data
Combined Model Fit
Gauss Component
Sersic Component
Avg Counts / Sec
Residuals
Radius from center [arcsecond]