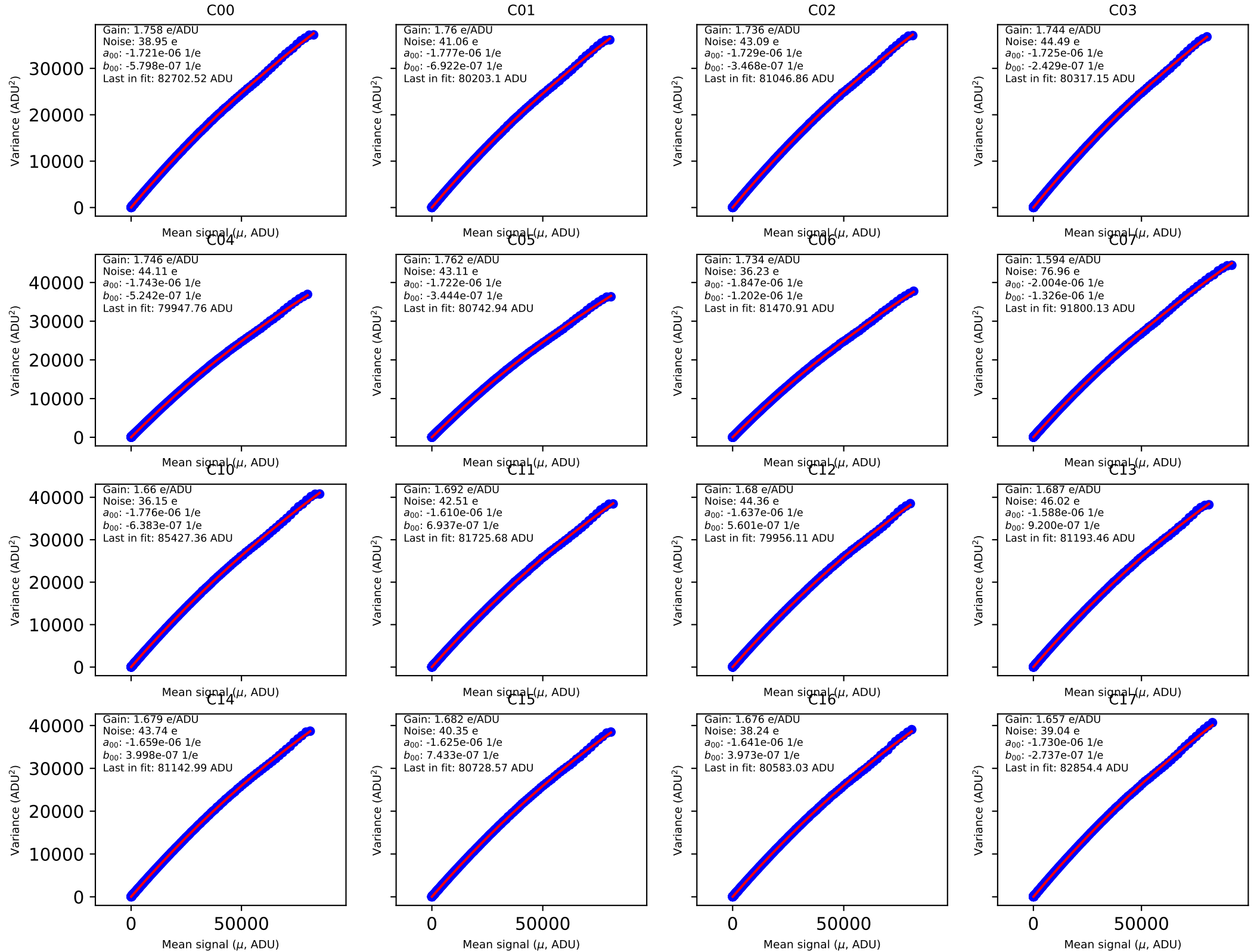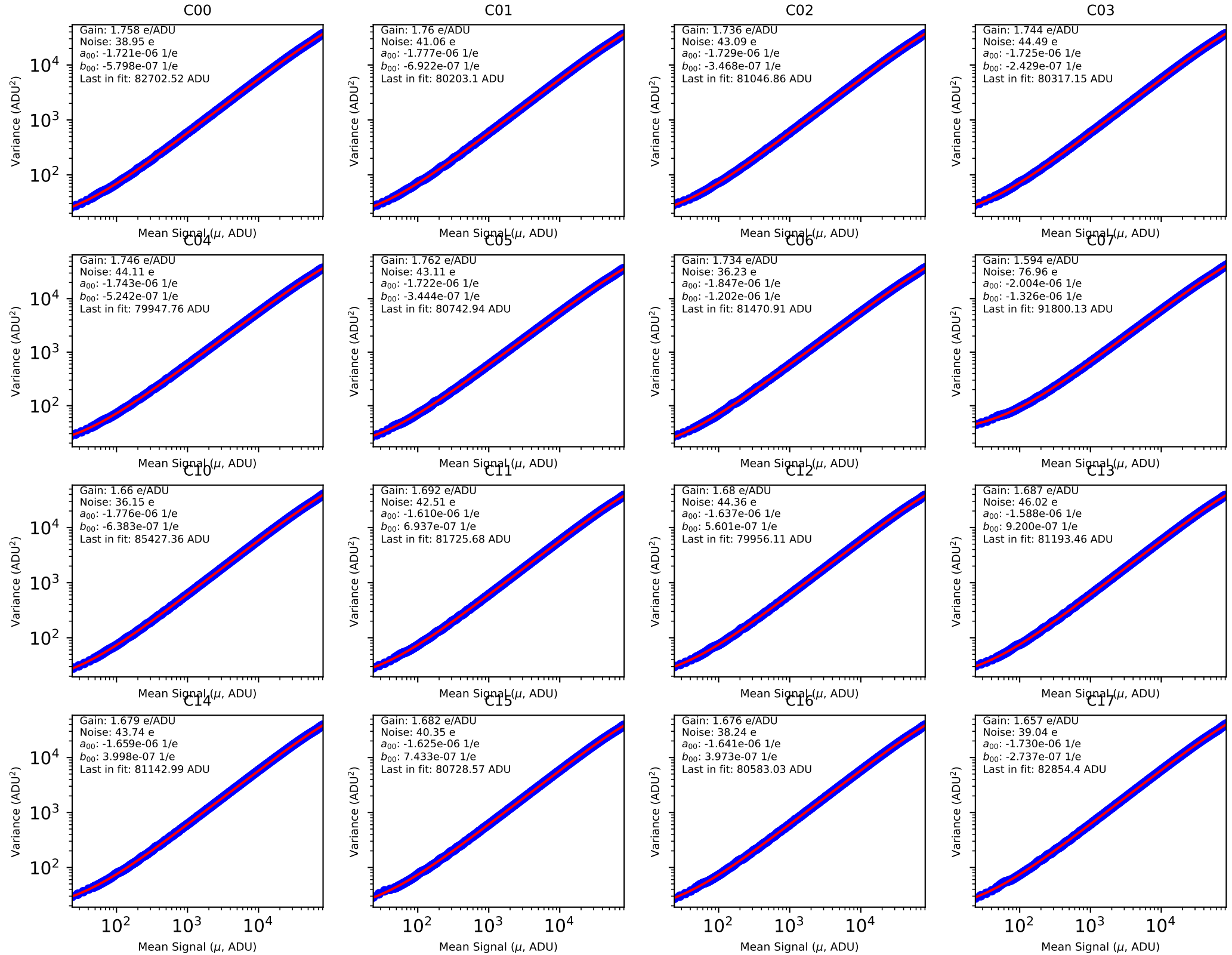PTC from covariances as in Astier+19
Fit: Eq. 20, Astier+19
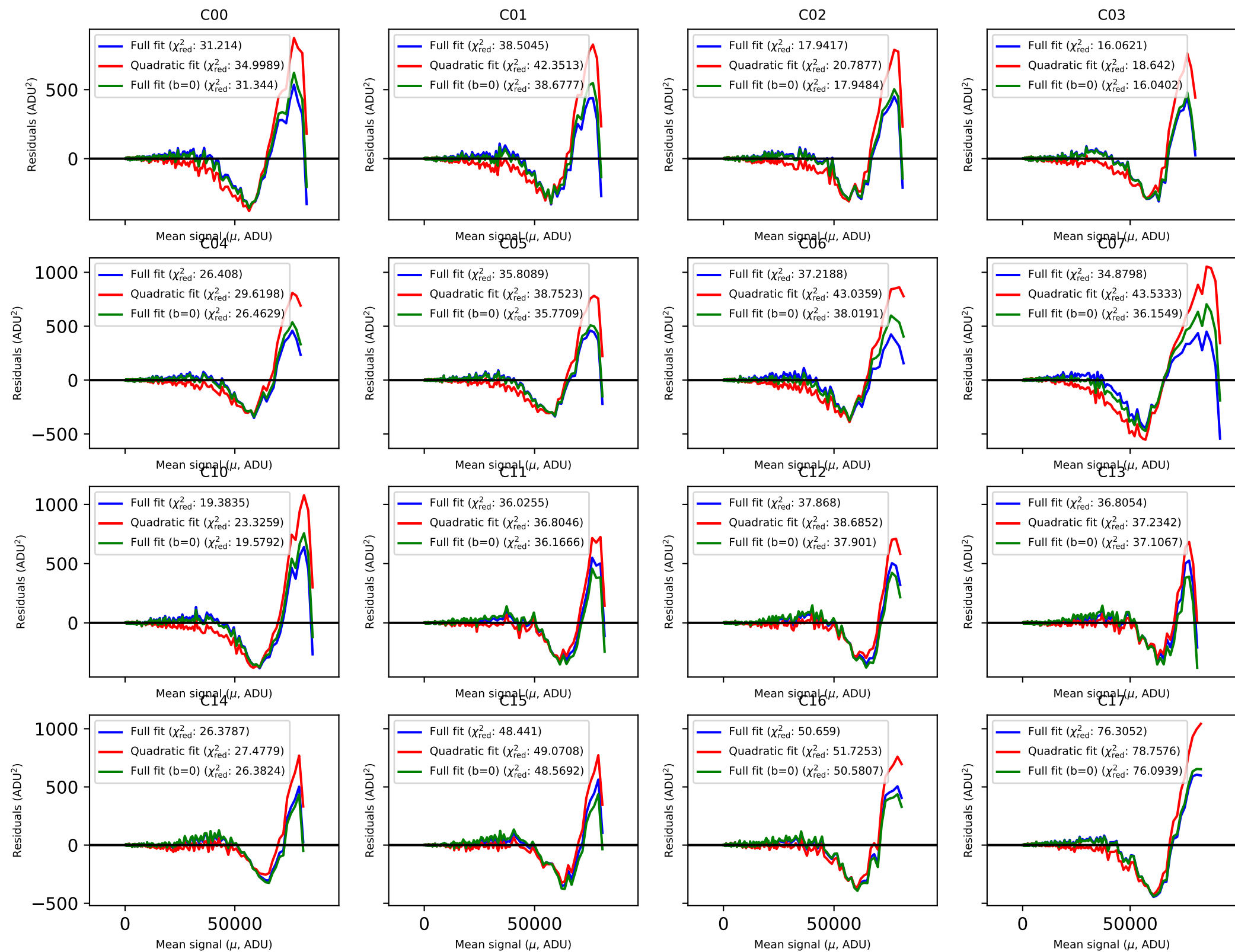
PTC from covariances as in Astier+19 (log-log)
Fit: Eq. 20, Astier+19

C00
Gain: 1.758 e/ADU
Noise: 38.95 e
a_{00}: -1.721e-06 1/e
b_{00}: -5.798e-07 1/e
Last in fit: 82702.52 ADU

C01
Gain: 1.76 e/ADU
Noise: 41.06 e
a_{00}: -1.777e-06 1/e
b_{00}: -6.922e-07 1/e
Last in fit: 80203.1 ADU

C02
Gain: 1.736 e/ADU
Noise: 44.09 e
a_{00}: -1.729e-06 1/e
b_{00}: -3.468e-07 1/e
Last in fit: 81046.86 ADU

C03
Gain: 1.744 e/ADU
Noise: 44.49 e
a_{00}: -1.725e-06 1/e
b_{00}: -2.429e-07 1/e
Last in fit: 80317.15 ADU

C04
Gain: 1.746 e/ADU
Noise: 43.11 e
a_{00}: -1.743e-06 1/e
b_{00}: -5.242e-07 1/e
Last in fit: 79947.76 ADU

C05
Gain: 1.762 e/ADU
Noise: 43.23 e
a_{00}: -1.722e-06 1/e
b_{00}: -3.444e-07 1/e
Last in fit: 80742.94 ADU

C06
Gain: 1.734 e/ADU
Noise: 36.23 e
a_{00}: -1.847e-06 1/e
b_{00}: -1.202e-06 1/e
Last in fit: 81470.91 ADU

C07
Gain: 1.594 e/ADU
Noise: 76.96 e
a_{00}: -2.004e-06 1/e
b_{00}: -1.326e-06 1/e
Last in fit: 91800.13 ADU

C10
Gain: 1.66 e/ADU
Noise: 36.15 e
a_{00}: -1.776e-06 1/e
b_{00}: -6.383e-07 1/e
Last in fit: 85427.36 ADU

C11
Gain: 1.692 e/ADU
Noise: 42.51 e
a_{00}: -1.610e-06 1/e
b_{00}: 6.937e-07 1/e
Last in fit: 81725.68 ADU

C12
Gain: 1.68 e/ADU
Noise: 44.36 e
a_{00}: -1.637e-06 1/e
b_{00}: 5.601e-07 1/e
Last in fit: 79956.11 ADU

C13
Gain: 1.687 e/ADU
Noise: 46.02 e
a_{00}: -1.588e-06 1/e
b_{00}: 9.200e-07 1/e
Last in fit: 81193.46 ADU

C14
Gain: 1.679 e/ADU
Noise: 43.74 e
a_{00}: -1.659e-06 1/e
b_{00}: 3.998e-07 1/e
Last in fit: 81142.99 ADU

C15
Gain: 1.682 e/ADU
Noise: 40.35 e
a_{00}: -1.625e-06 1/e
b_{00}: 7.433e-07 1/e
Last in fit: 80728.57 ADU

C16
Gain: 1.676 e/ADU
Noise: 38.24 e
a_{00}: -1.641e-06 1/e
b_{00}: 3.973e-07 1/e
Last in fit: 80583.03 ADU

C17
Gain: 1.657 e/ADU
Noise: 39.04 e
a_{00}: -1.730e-06 1/e
b_{00}: -2.737e-07 1/e
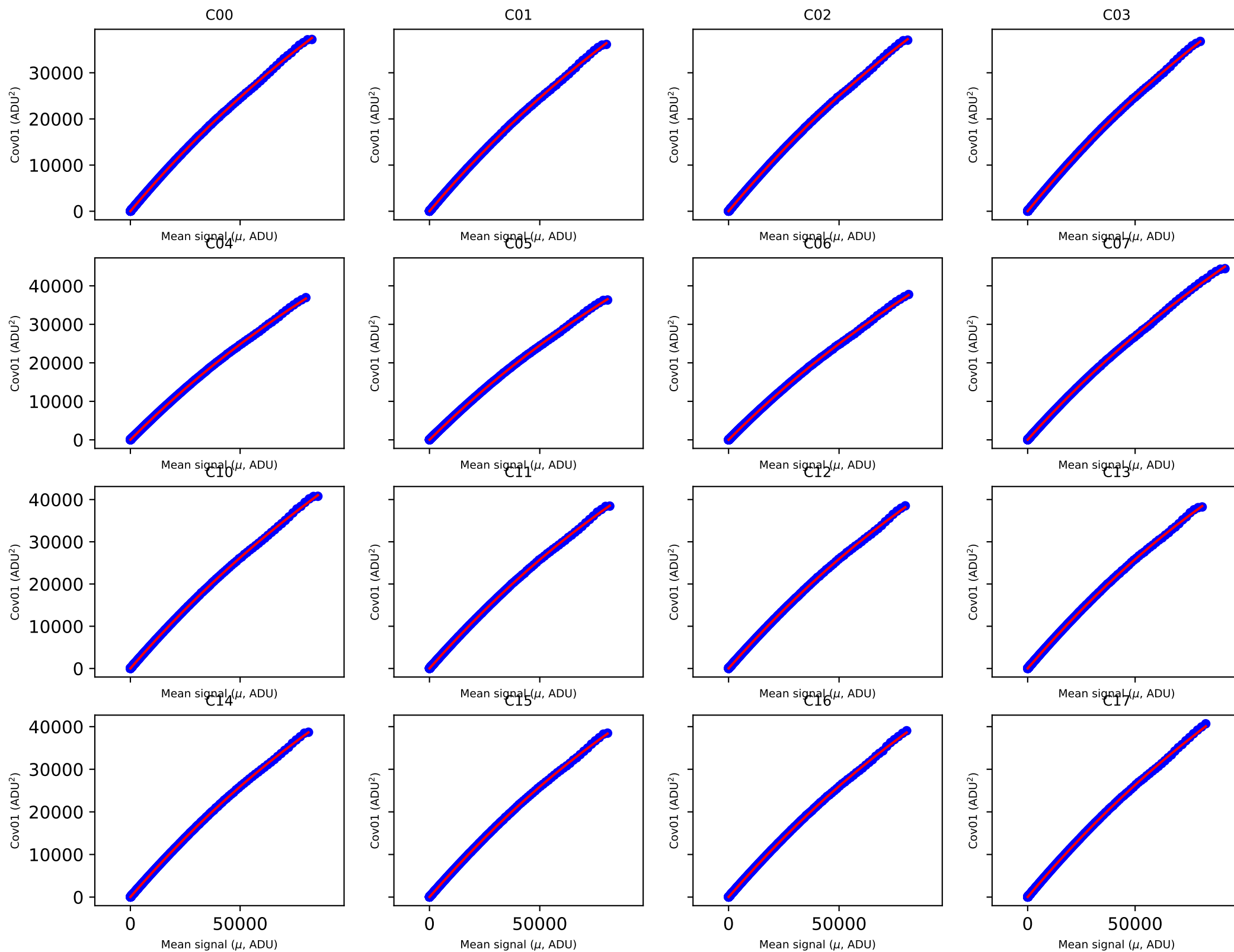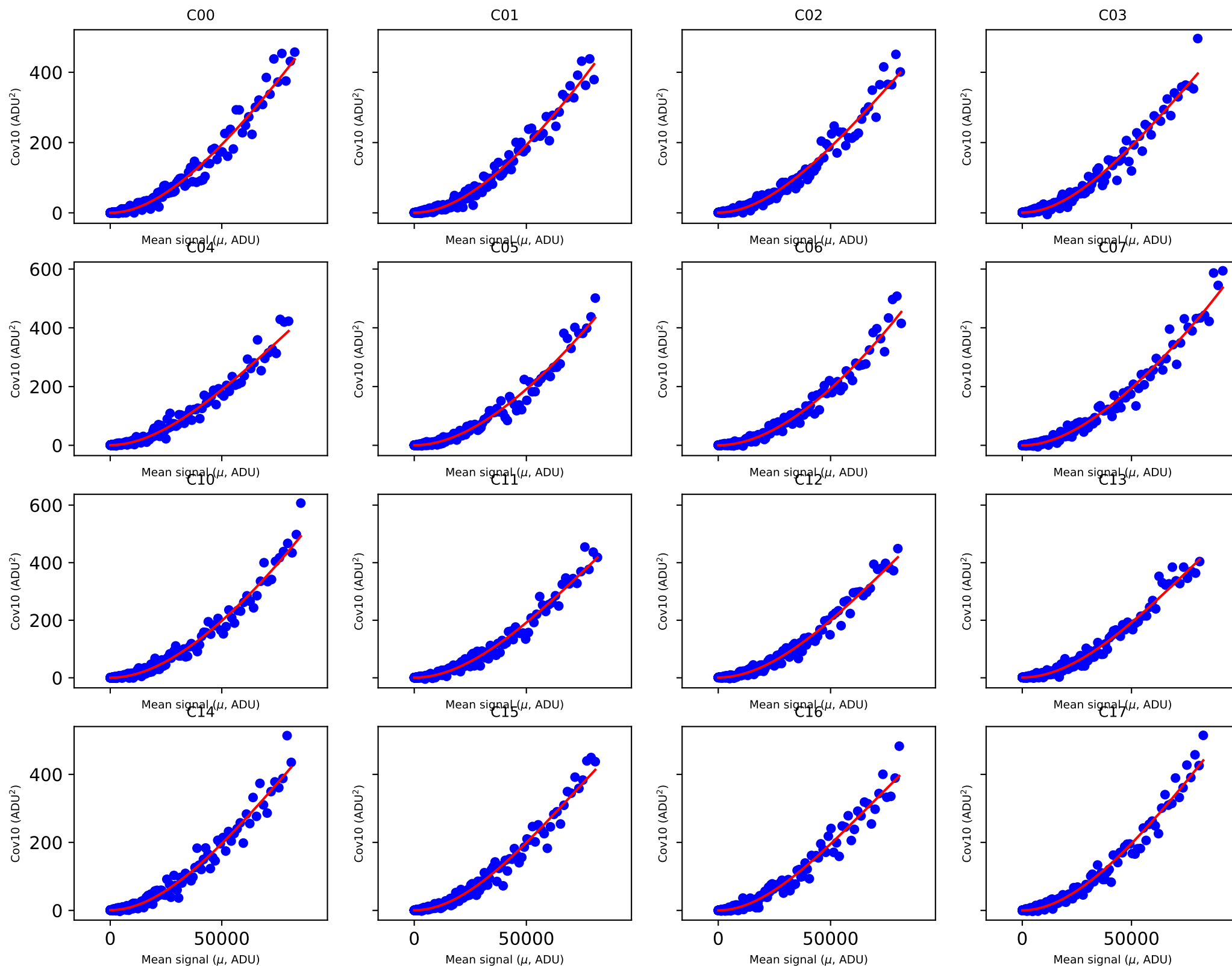Last in fit: 82854.4 ADU
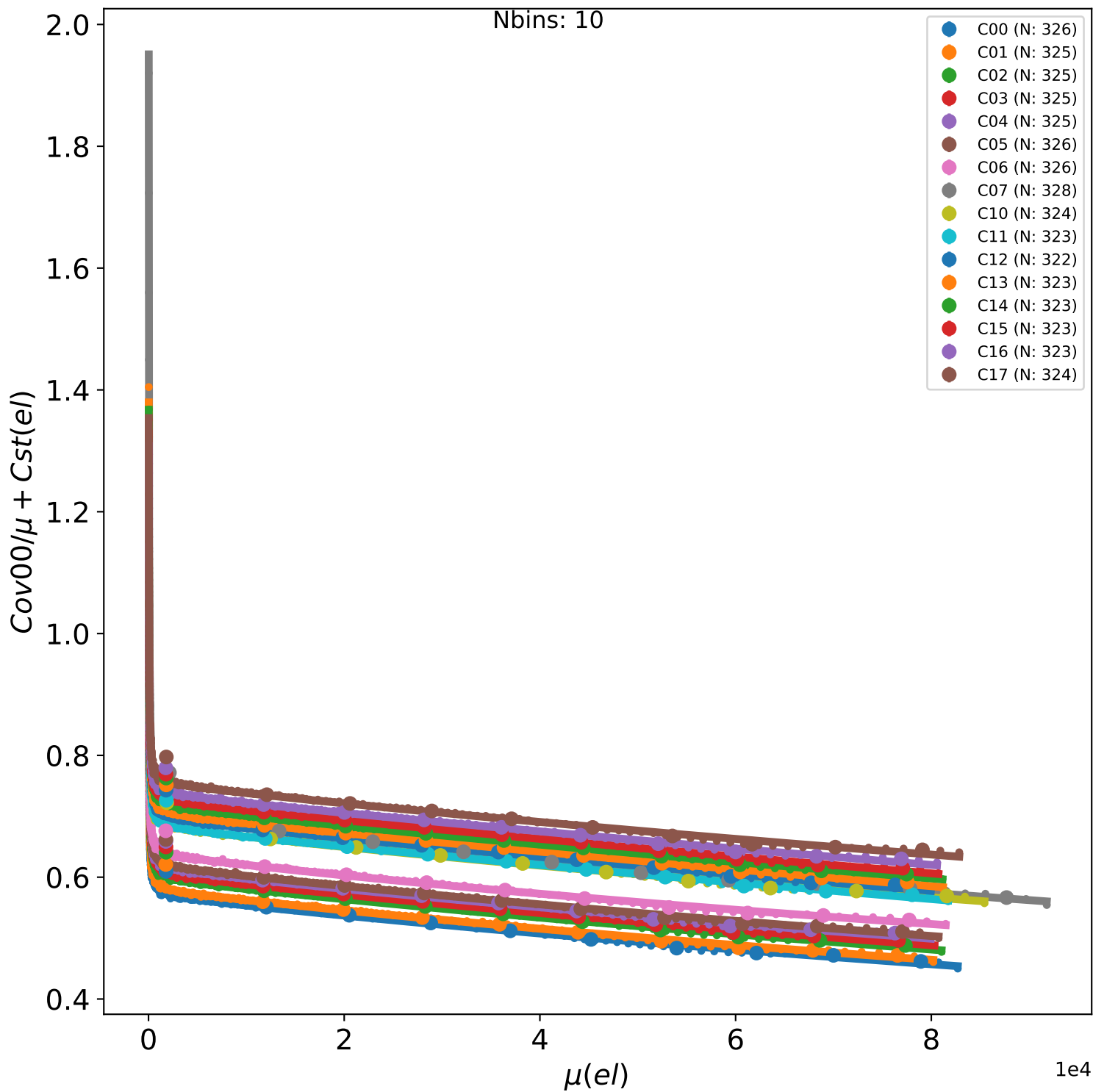
Residuals (data-model) for Cov00 (Var)

Cov01 as in Astier+19 (nearest parallel neighbor covariance)
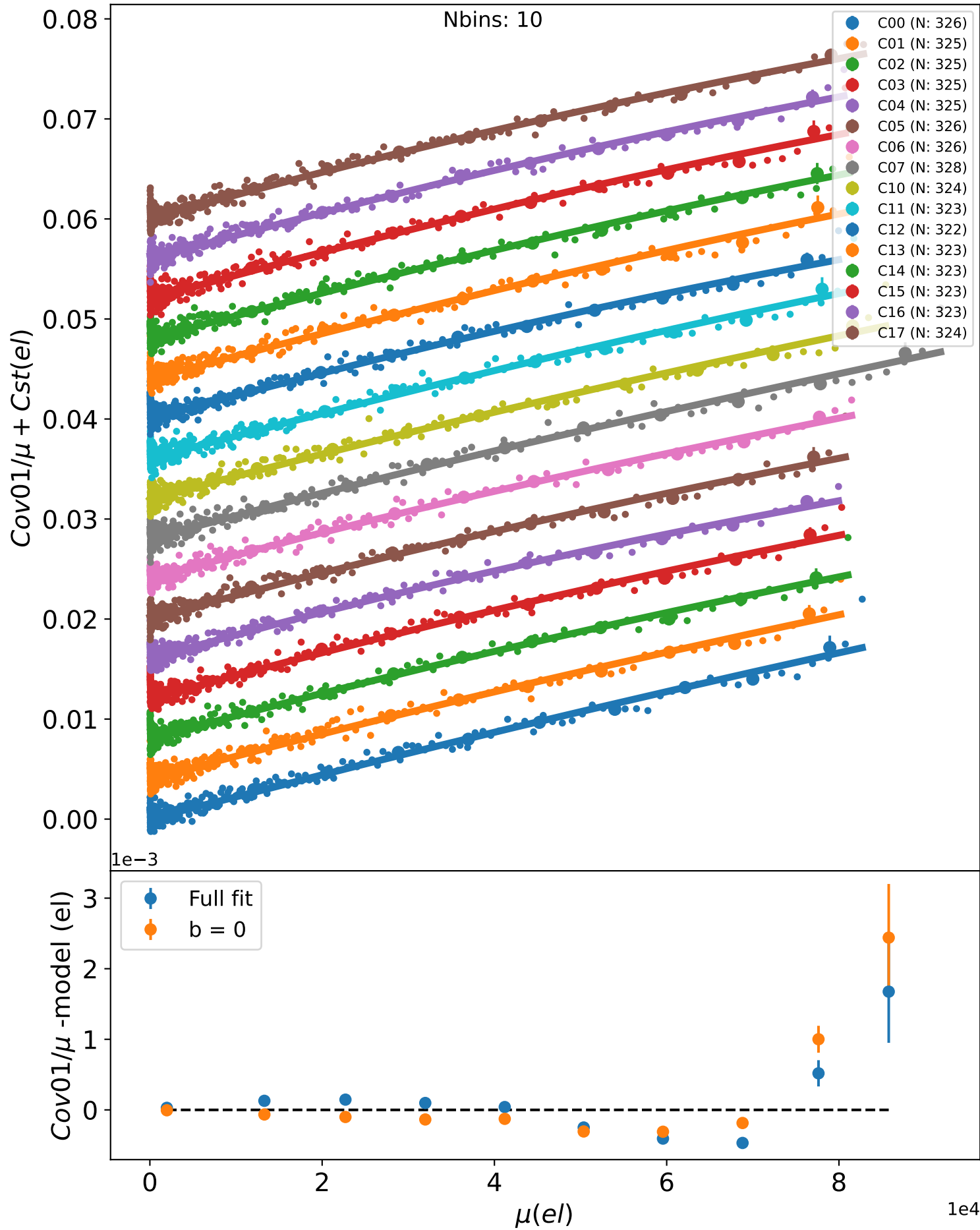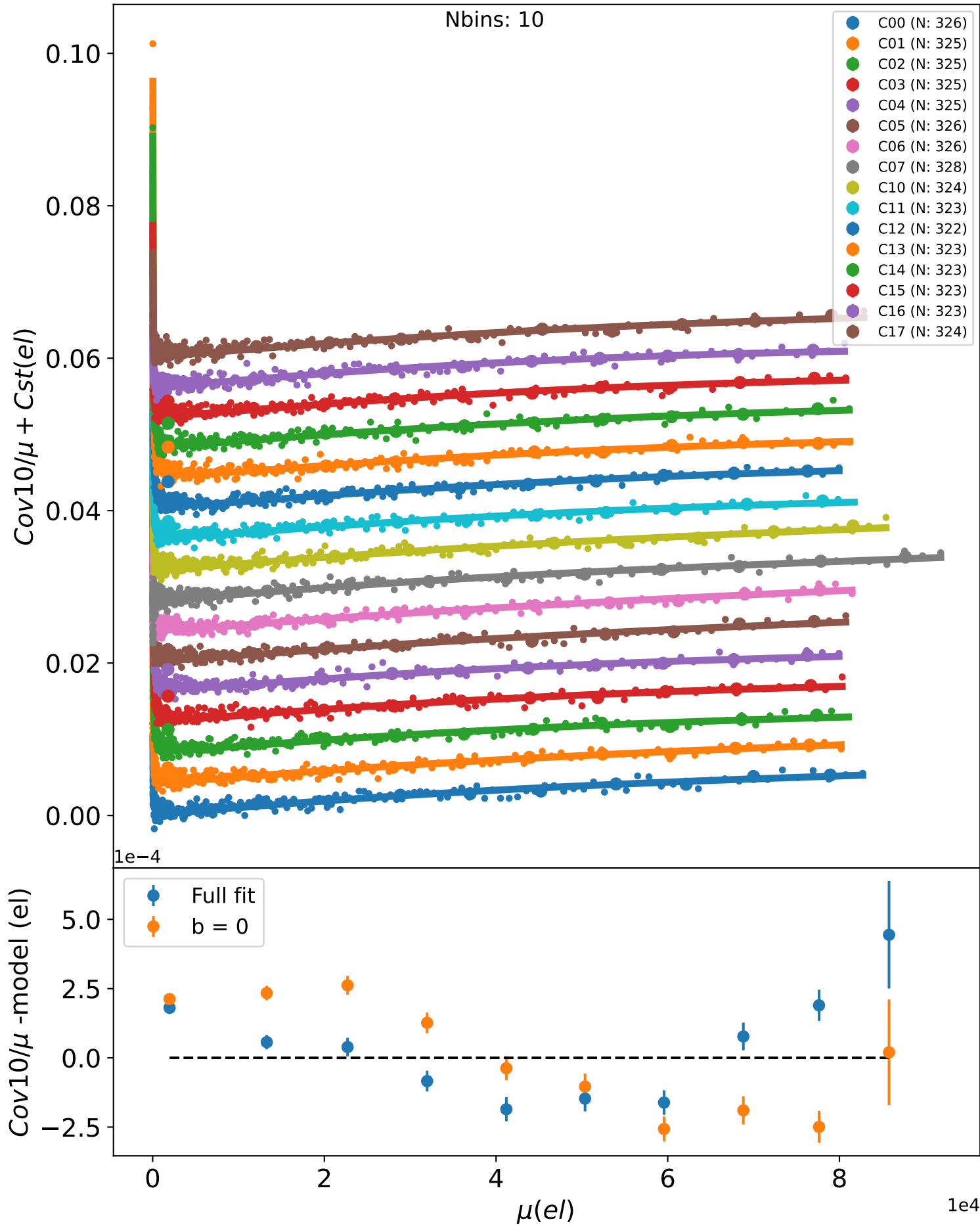Fit: Eq. 20, Astier+19

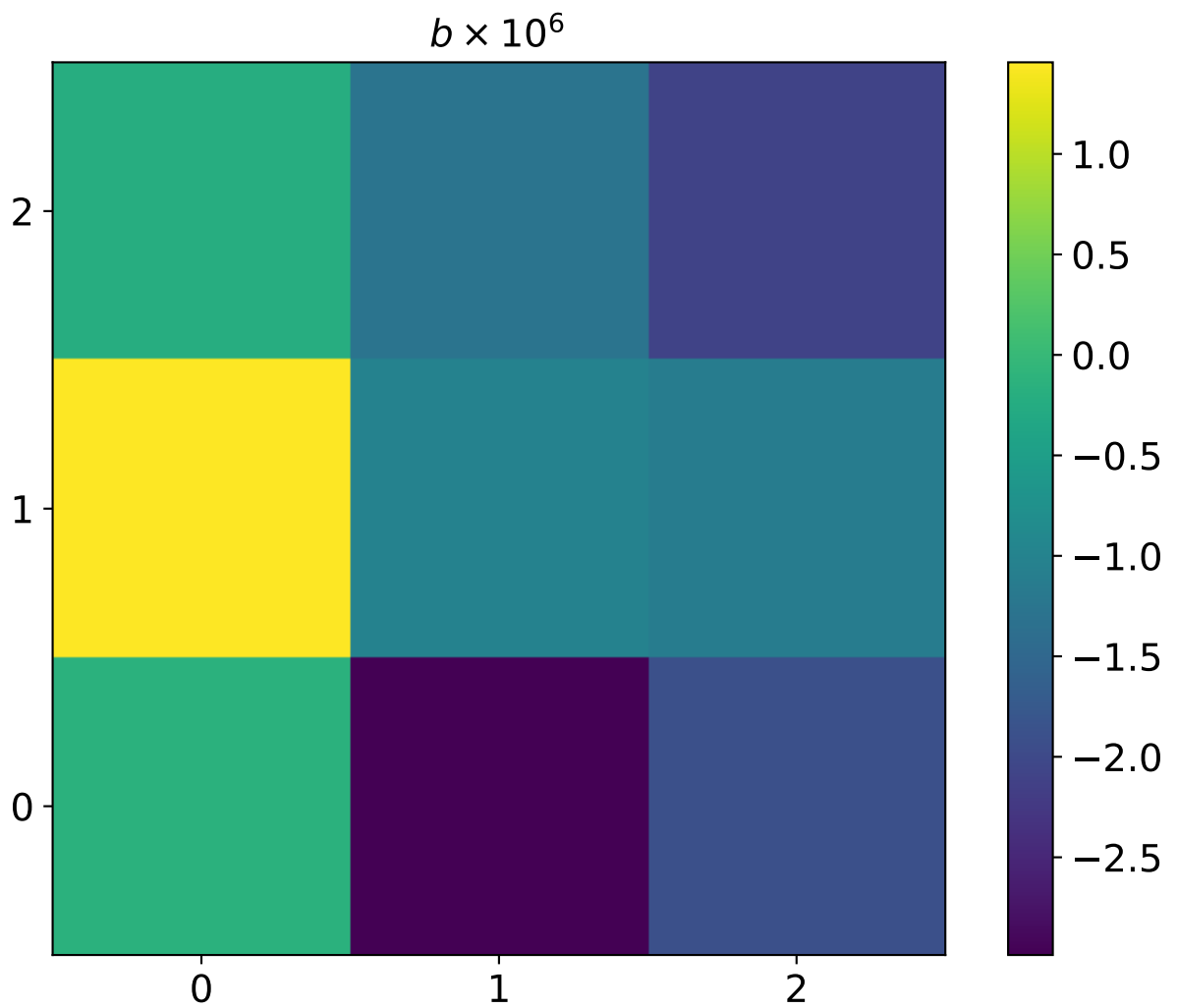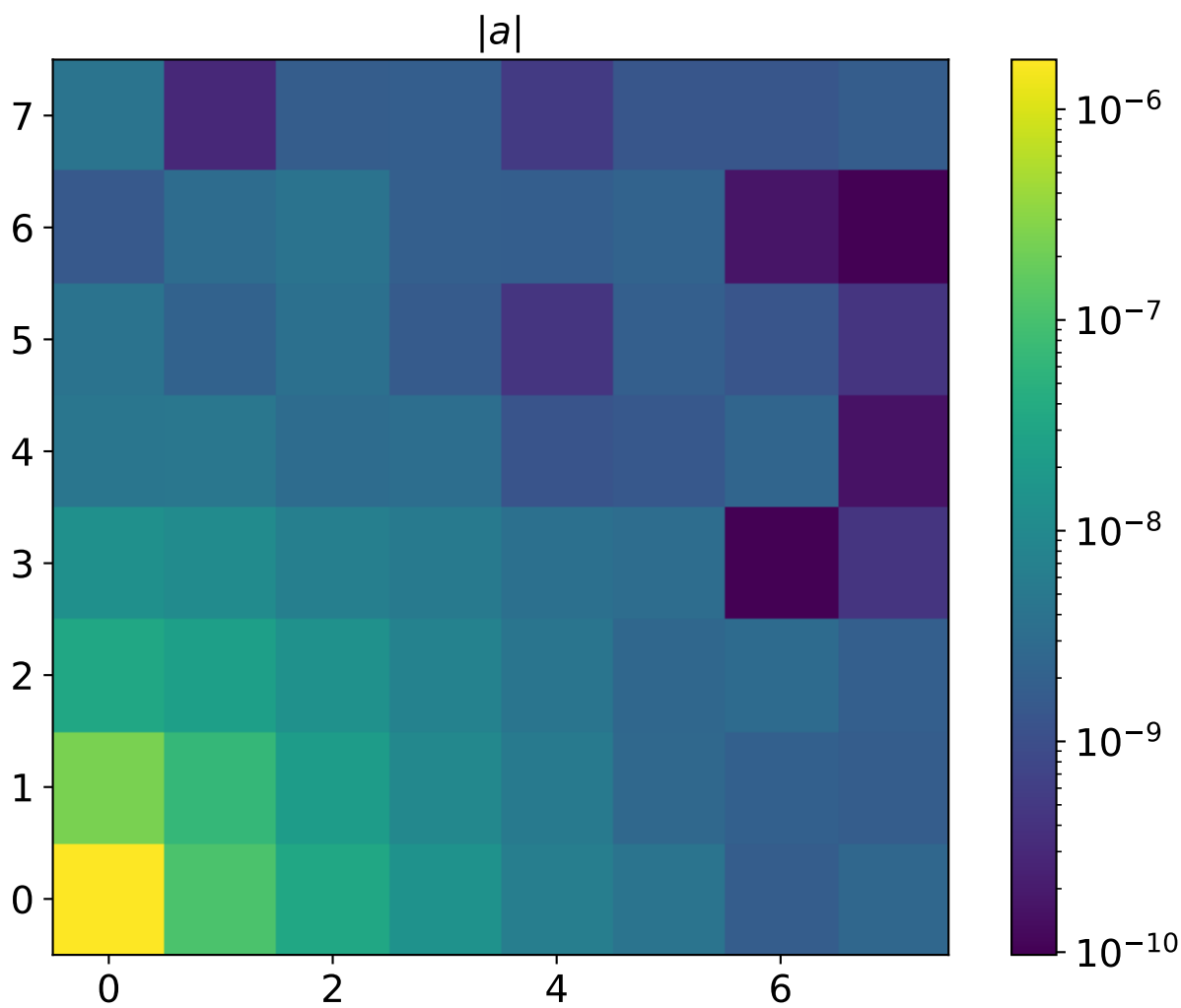# Cov10 as in Astier+19 (nearest serial neighbor covariance)
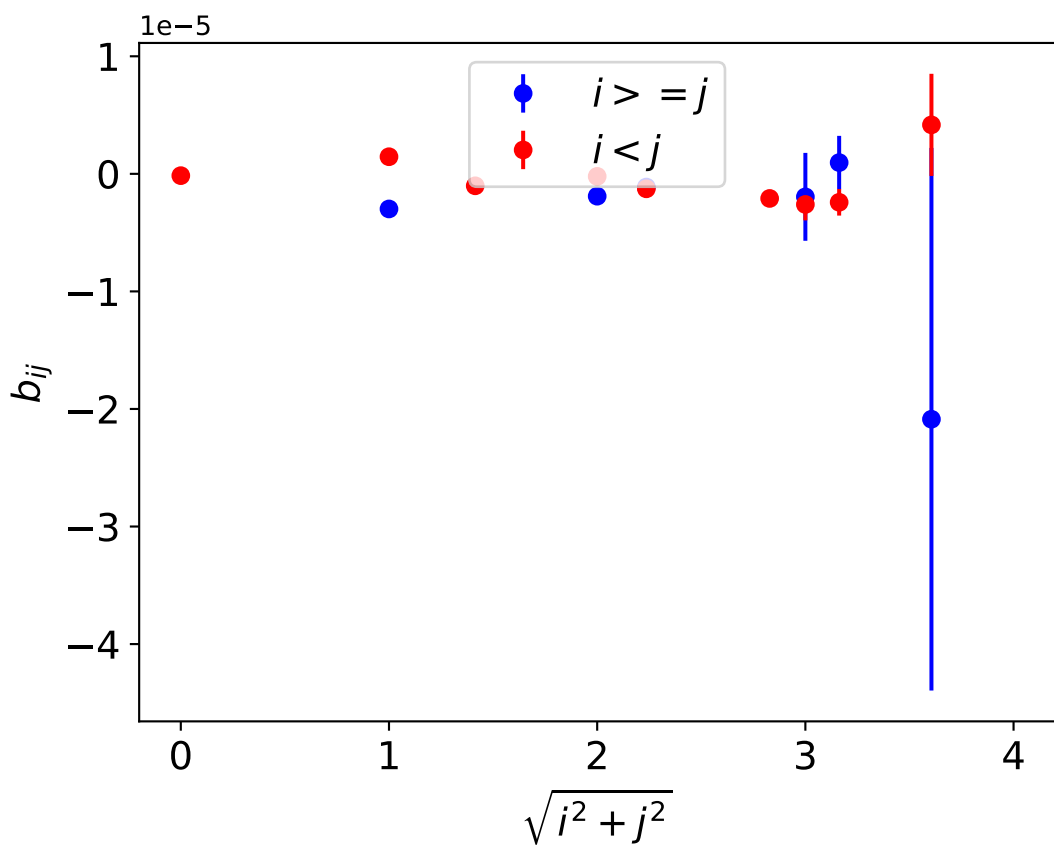## Fit: Eq. 20, Astier+19

Nbins: 10

Legend:
- C00 (N: 326)
- C01 (N: 325)
- C02 (N: 325)
- C03 (N: 325)
- C04 (N: 325)
- C05 (N: 326)
- C06 (N: 326)
- C07 (N: 328)
- C10 (N: 324)
- C11 (N: 323)
- C12 (N: 322)
- C13 (N: 323)
- C14 (N: 323)
- C15 (N: 323)
- C16 (N: 323)
- C17 (N: 324)

X-axis: $\mu(el)$ (1e4)

Y-axis: $Cov00/\mu + Cst(el)$

Nbins: 10

Legend:
- C00 (N: 326)
- C01 (N: 325)
- C02 (N: 325)
- C03 (N: 325)
- C04 (N: 325)
- C05 (N: 326)
- C06 (N: 326)
- C07 (N: 328)
- C10 (N: 324)
- C11 (N: 323)
- C12 (N: 322)
- C13 (N: 323)
- C14 (N: 323)
- C15 (N: 323)
- C16 (N: 323)
- C17 (N: 324)

y-axis (top): $Cov01/\mu + Cst(el)$

y-axis (bottom): $Cov01/\mu$ -model (el)
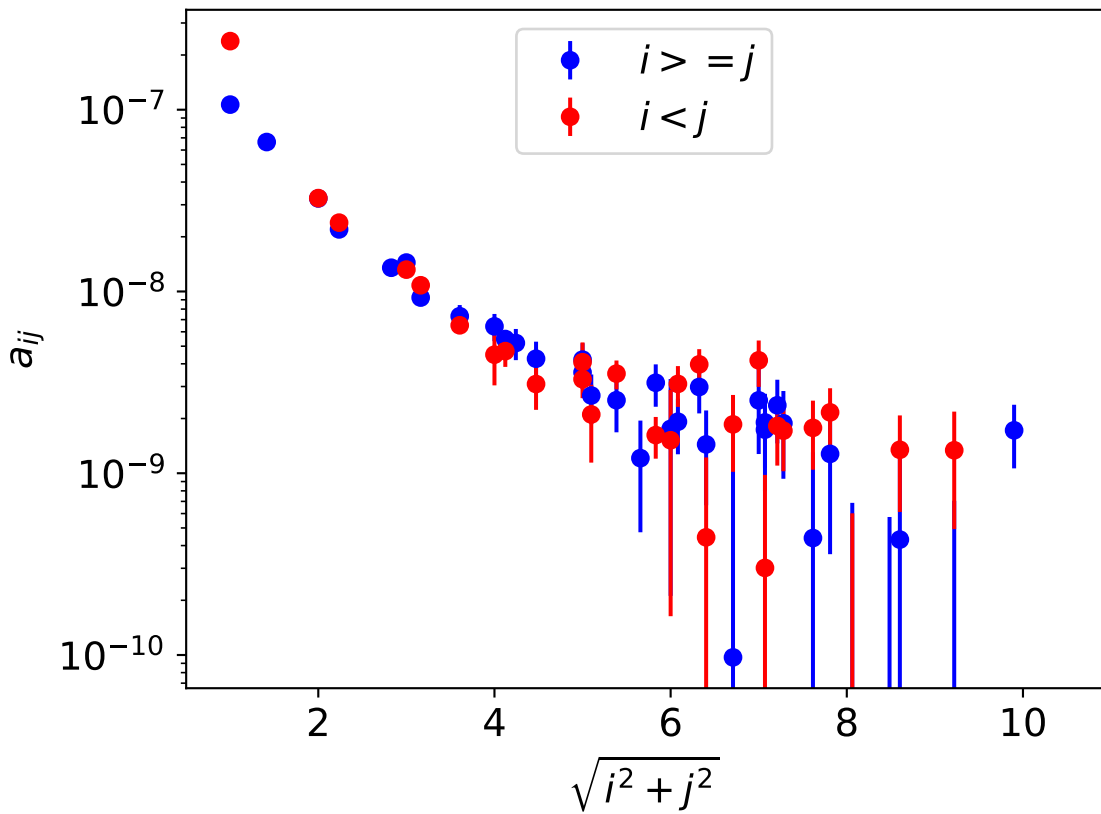
x-axis: $\mu(el)$
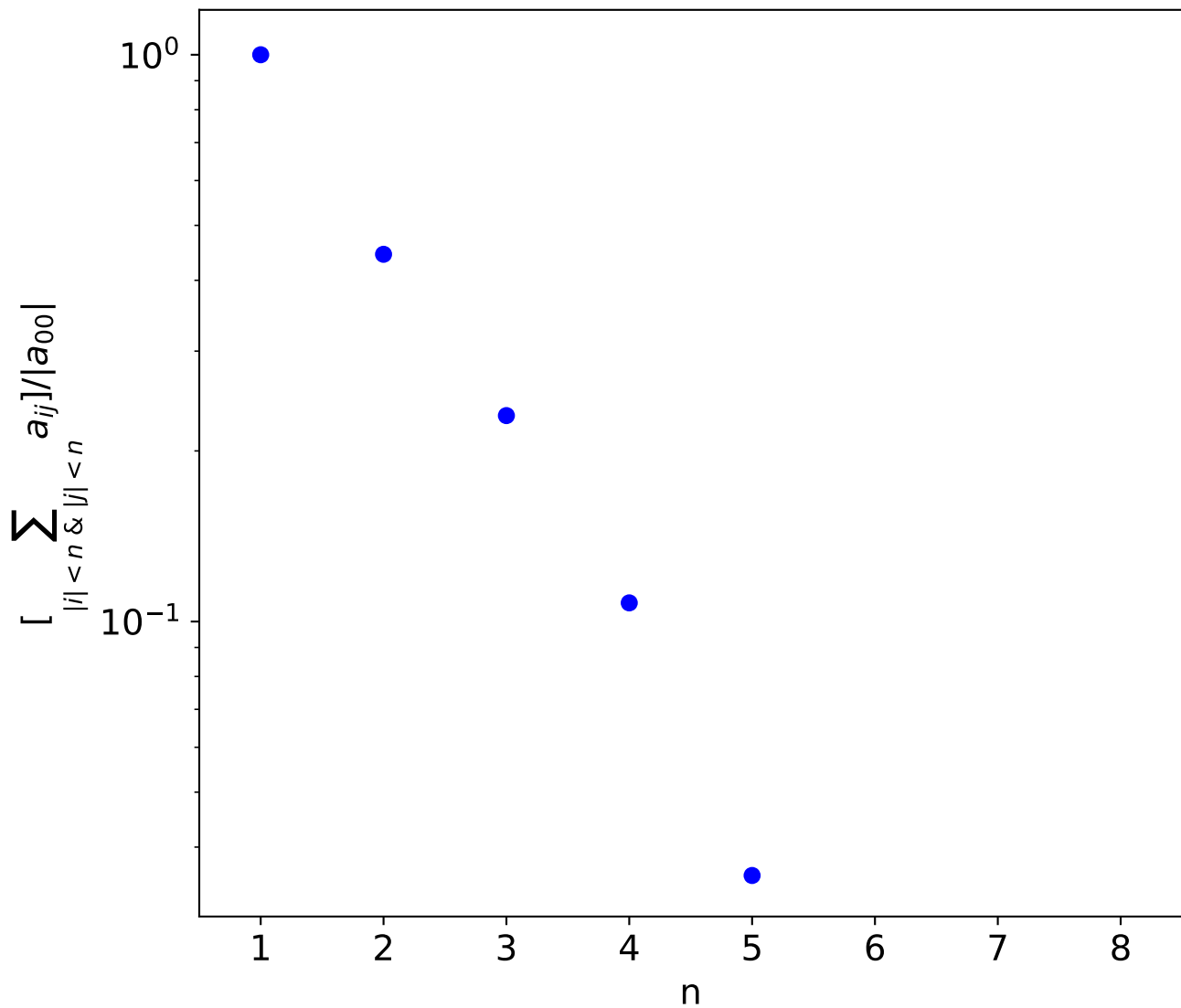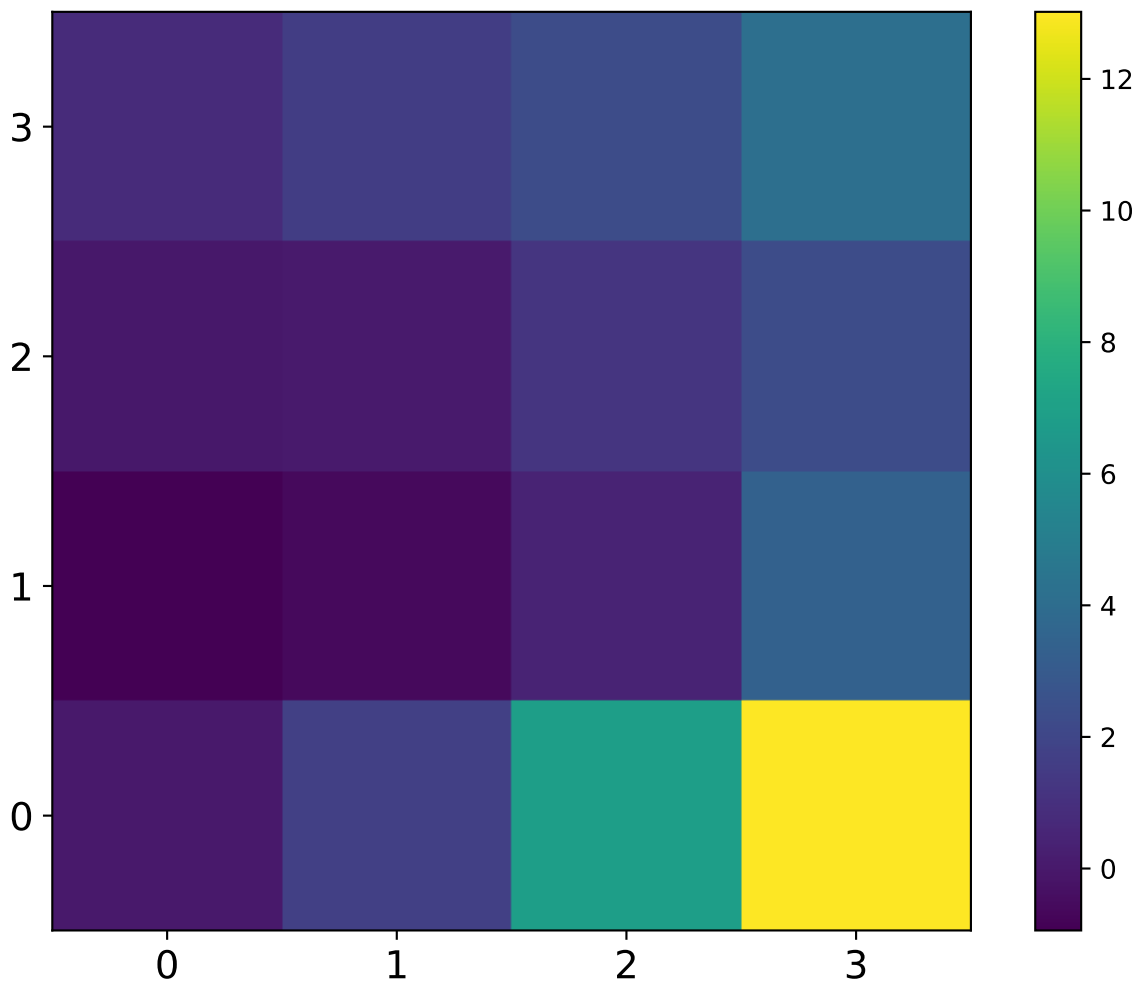
Bottom panel legend:
- Full fit
- b = 0

$|a|$

$b \times 10^6$

'a' relative bias at 75000 e

'a' relative bias (b=0)