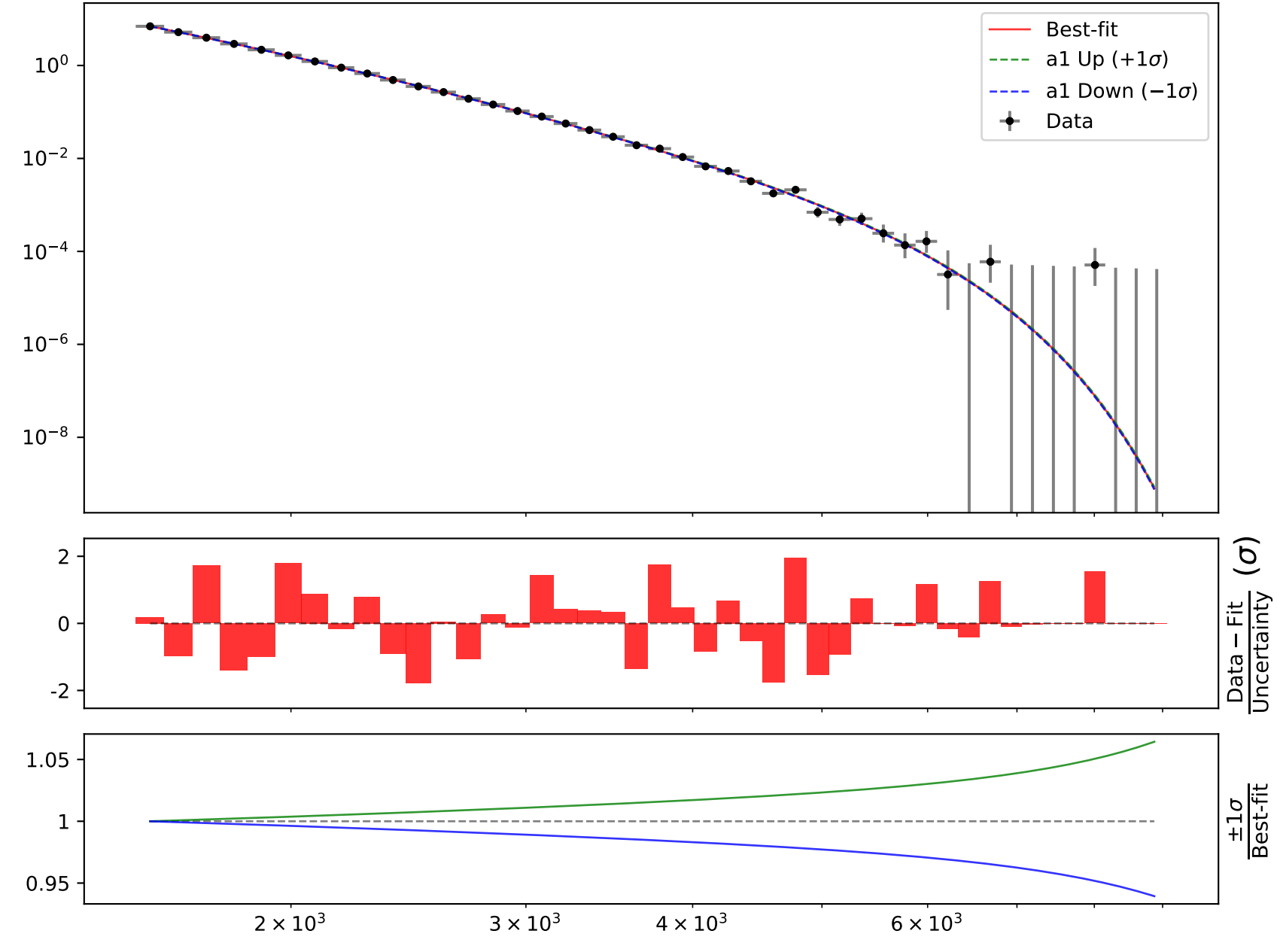
Candidate function #13

1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + a3*((x0 - 1568.5) * 0.000136221))))

a1 = $-24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}$, a2 = $-1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)}$,
a3 = $1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}$, a4 = $6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}$

Candidate #13

χ^2/NDF = 42.14/40, RMSE = 0.008044, R2 = 1.0

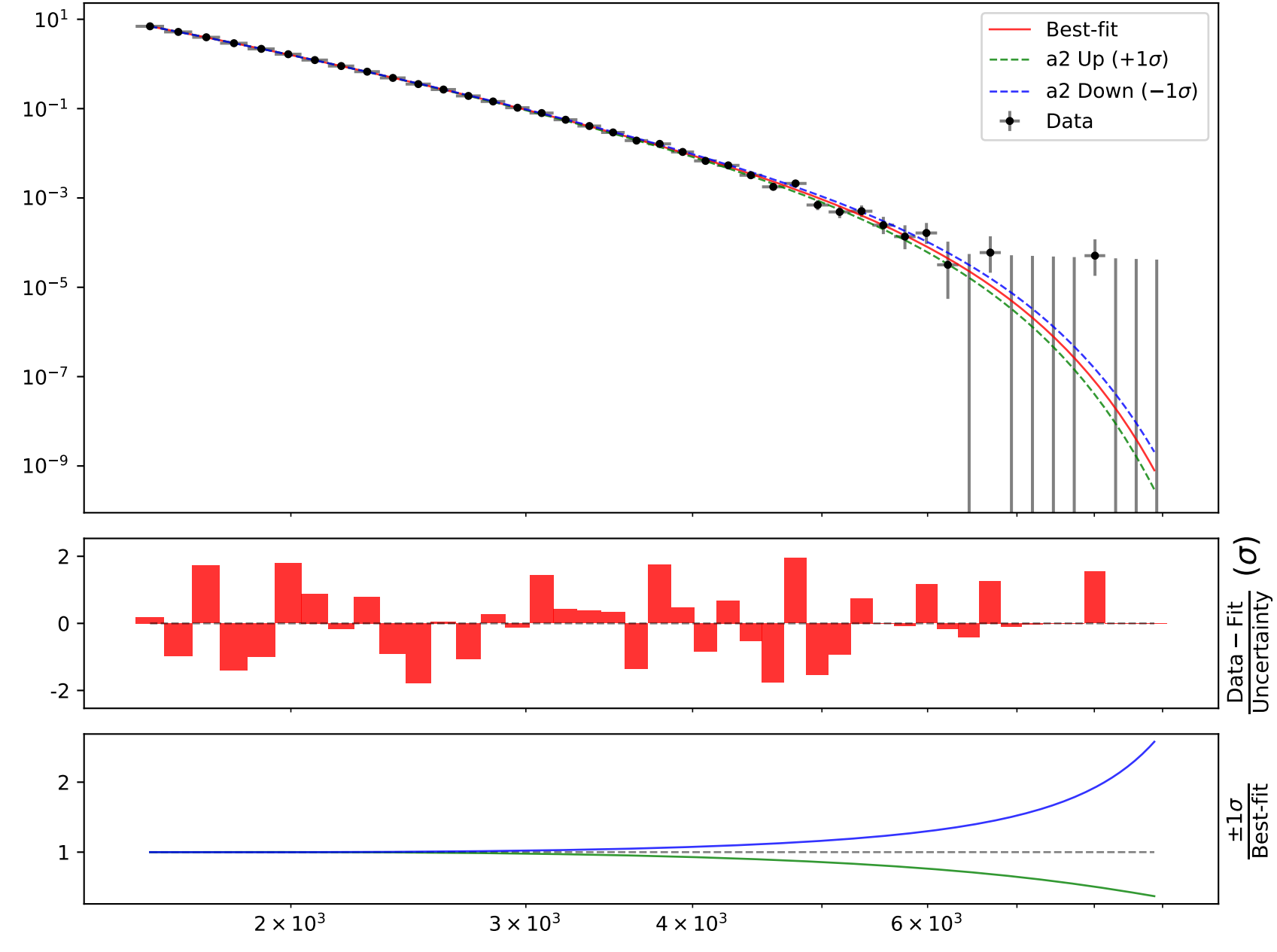


1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + a3*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}$, $\mathbf{a2 = -1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)}}$,
$a3 = 1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}$, $a4 = 6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}$

Candidate #13

χ^2/NDF = 42.14/40, RMSE = 0.008044, R2 = 1.0



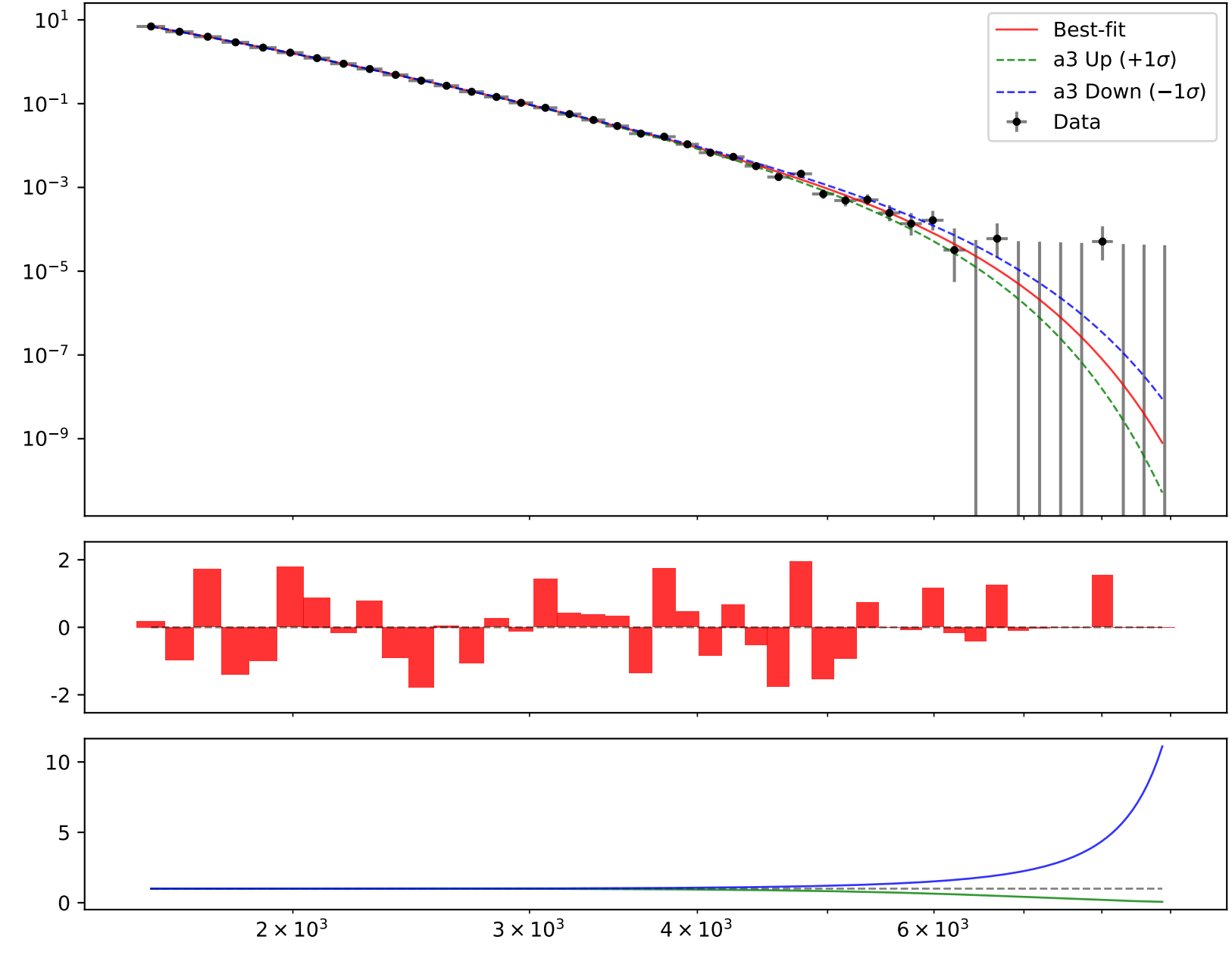
1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + a3*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}$, $a2 = -1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)}$,

$a3 = 1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}$, $a4 = 6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}$

Candidate #13

χ^2/NDF = 42.14/40, RMSE = 0.008044, R2 = 1.0

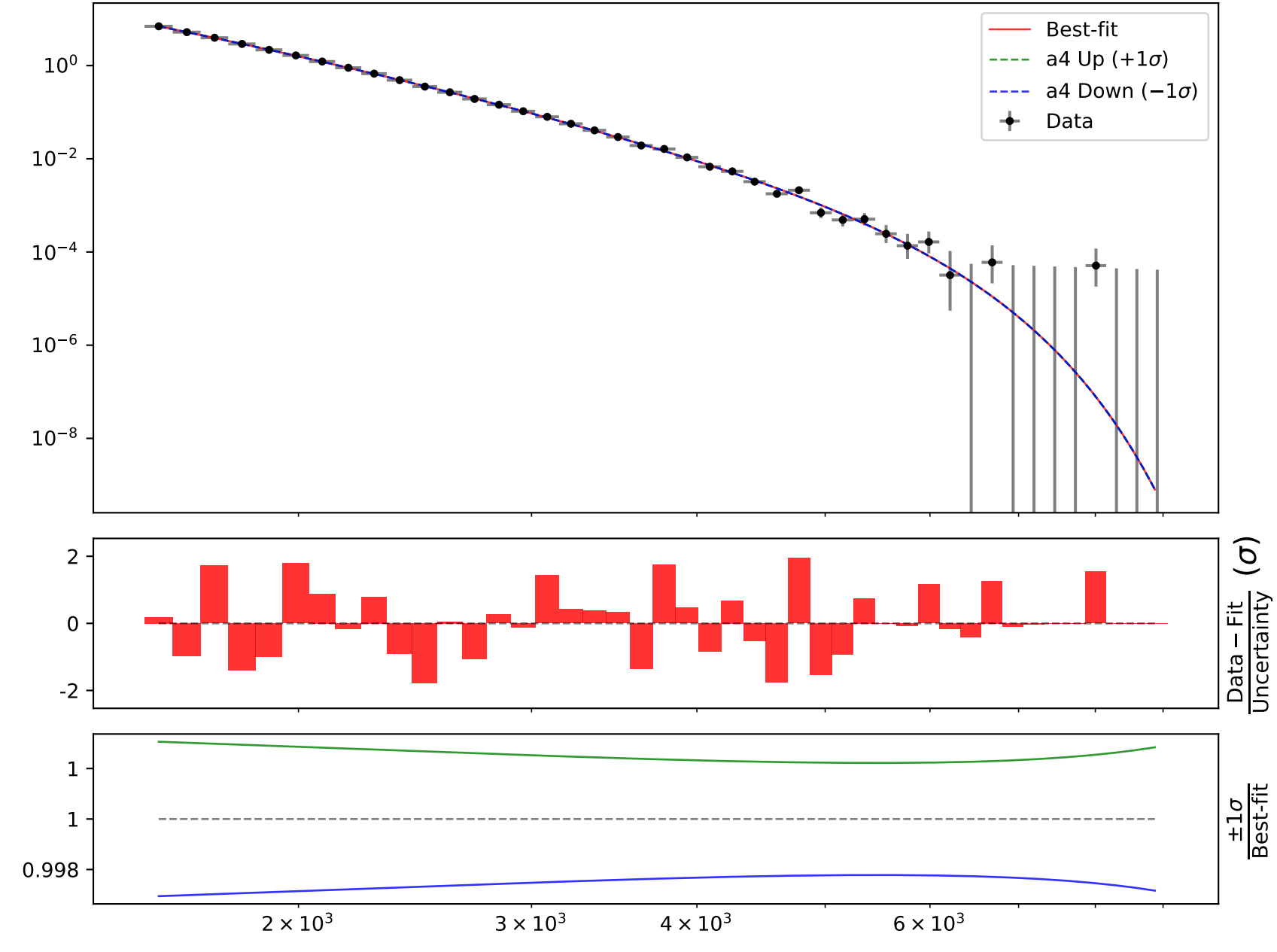


1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + a3*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}$, $a2 = -1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)}$,
$a3 = 1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}$, $\mathbf{a4 = 6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}}$

Candidate #13

χ^2/NDF = 42.14/40, RMSE = 0.008044, R2 = 1.0



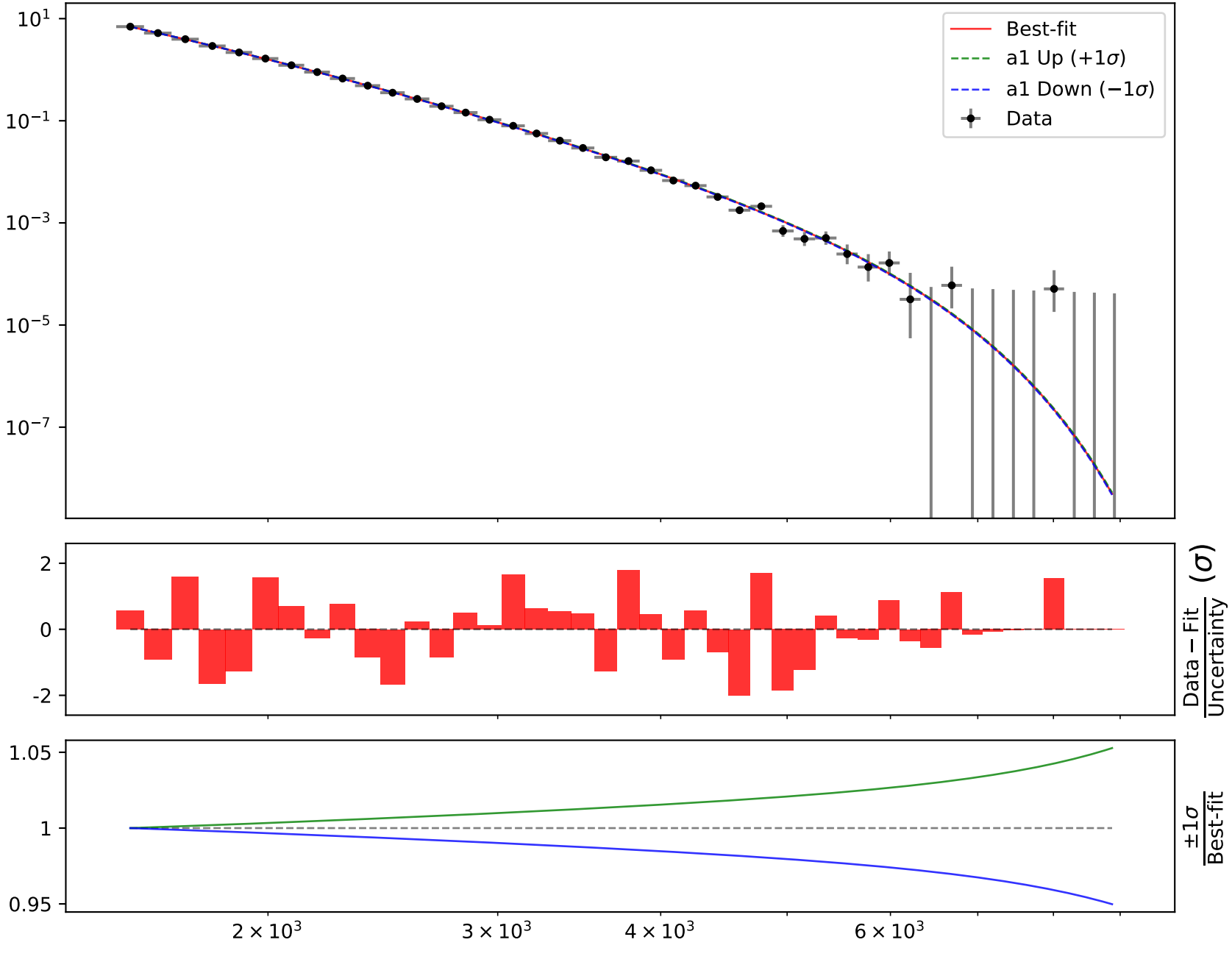
Candidate function #12

1.0*((a3*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + ((x0 - 1568.5) * 0.000136221))))

a1 = $-24.6006^{+0.06093(0.248\%)}_{-0.061(0.248\%)}$, a2 = $-1.16023^{+0.01729(1.49\%)}_{-0.01705(1.47\%)}$,
a3 = $6.9518^{+0.01946(0.28\%)}_{-0.01945(0.28\%)}$

Candidate #12

χ^2/NDF = 43.54/41, RMSE = 0.008226, R2 = 1.0



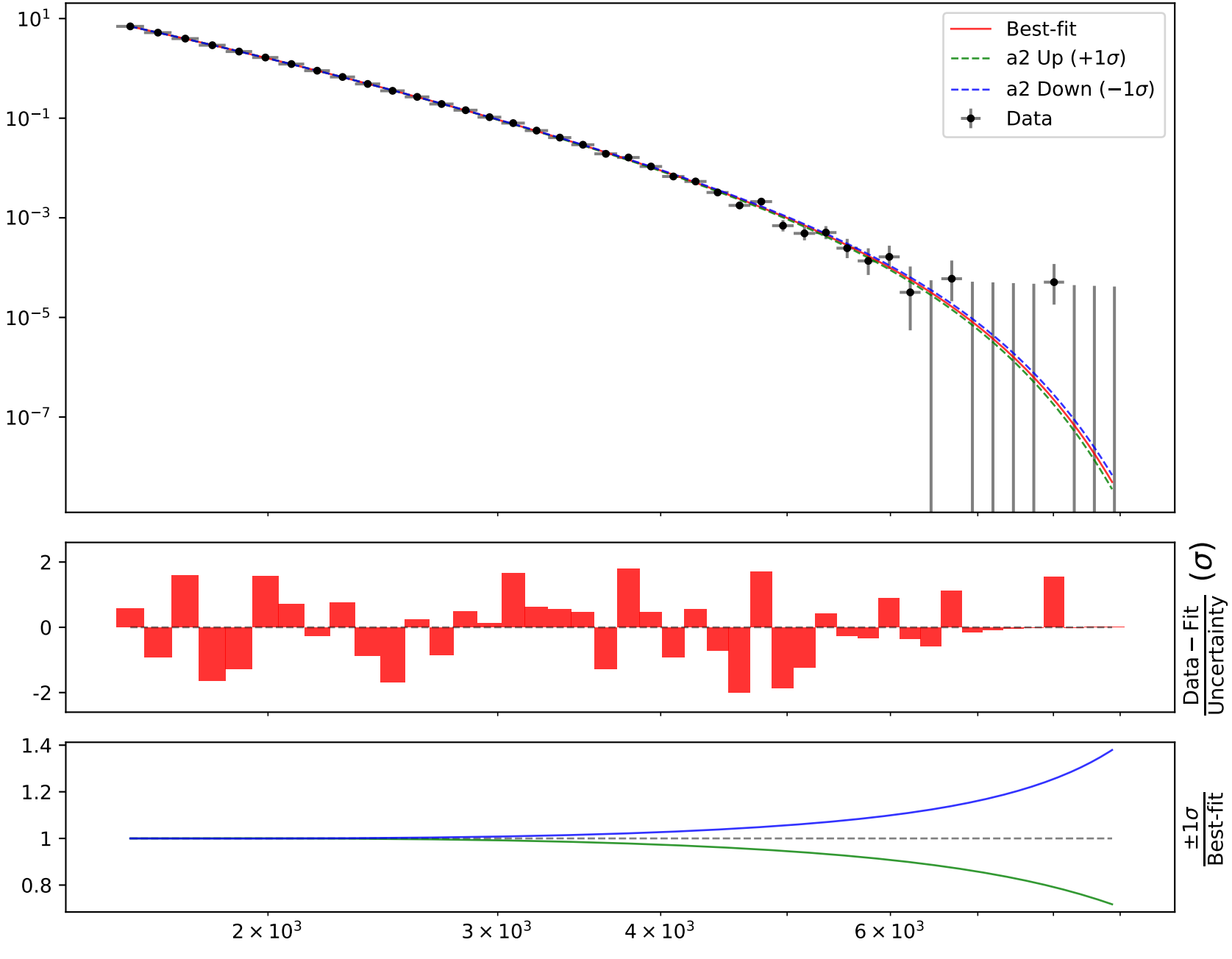
1.0*((a3*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + ((x0 - 1568.5) * 0.000136221))))

$a1 = -24.6006^{+0.06093(0.248\%)}_{-0.061(0.248\%)}$, $\mathbf{a2 = -1.16023^{+0.01729(1.49\%)}_{-0.01705(1.47\%)}}$,

$a3 = 6.9518^{+0.01946(0.28\%)}_{-0.01945(0.28\%)}$

Candidate #12

χ^2/NDF = 43.54/41, RMSE = 0.008226, R2 = 1.0



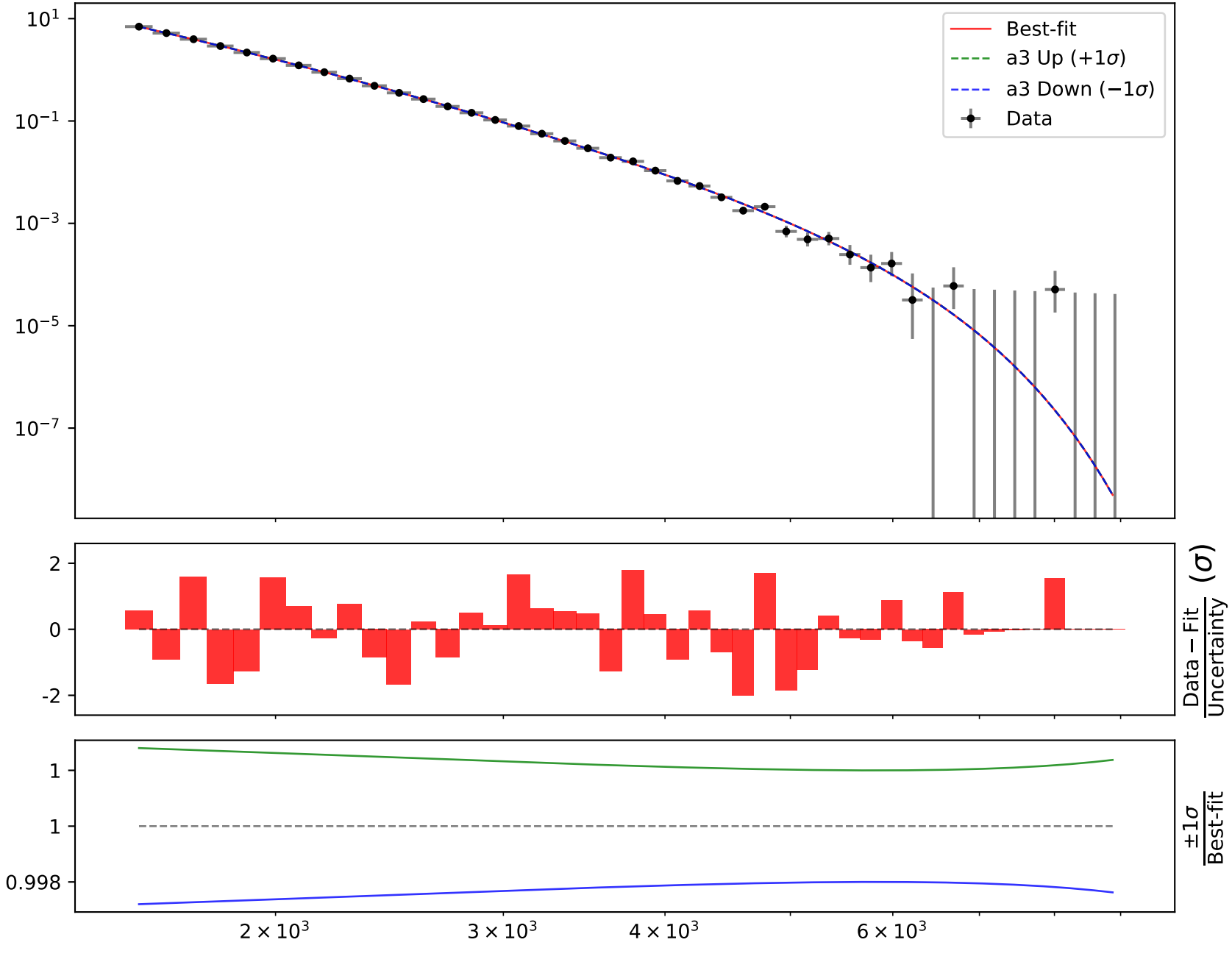
1.0*((a3*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + ((x0 - 1568.5) * 0.000136221))))

$a1 = -24.6006^{+0.06093(0.248\%)}_{-0.061(0.248\%)}$, $a2 = -1.16023^{+0.01729(1.49\%)}_{-0.01705(1.47\%)}$,

$a3 = 6.9518^{+0.01946(0.28\%)}_{-0.01945(0.28\%)}$

Candidate #12

χ^2/NDF = 43.54/41, RMSE = 0.008226, R2 = 1.0



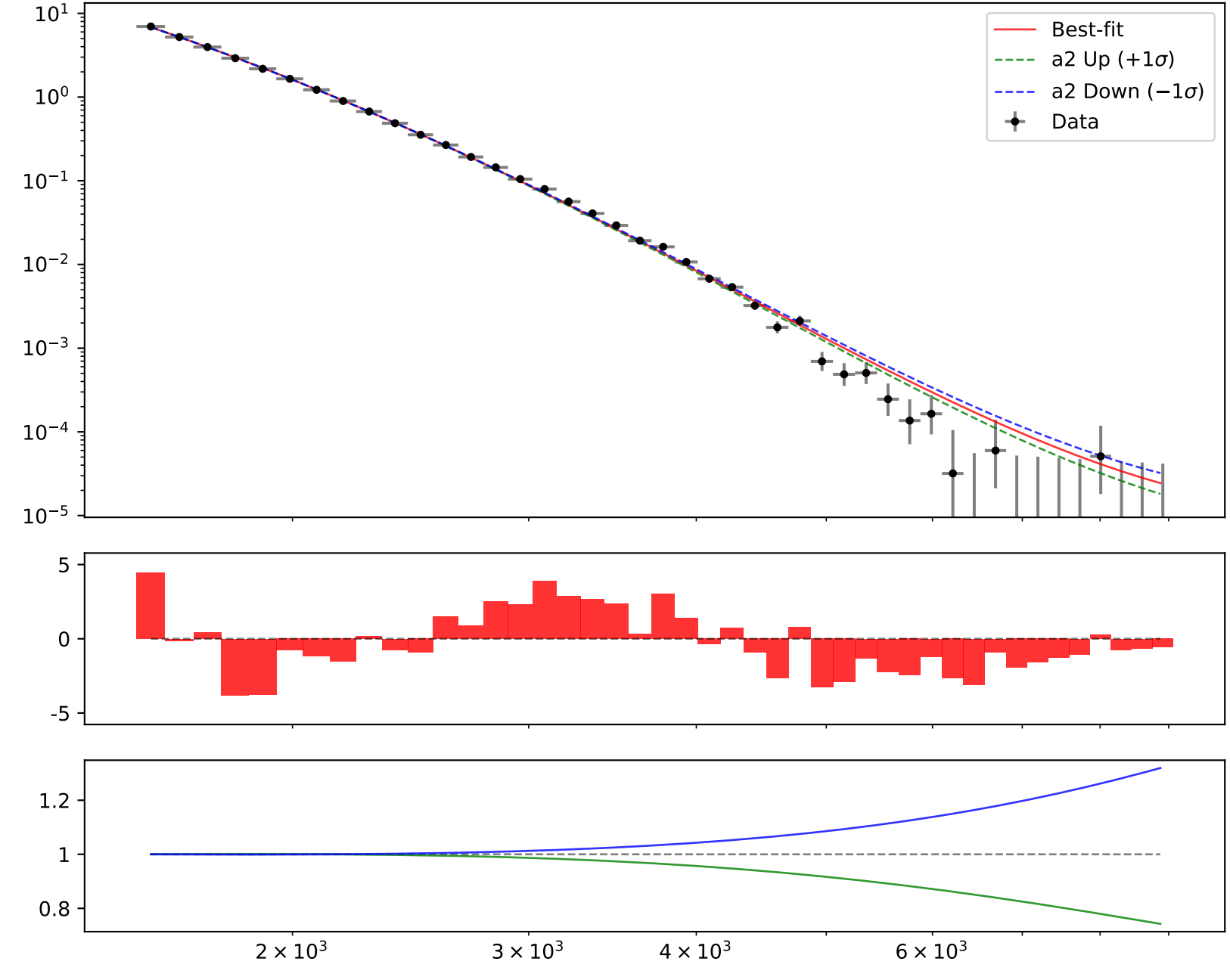
Candidate function #11

1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**(a3*exp(a2*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.0$, $\mathbf{a2 = -0.740798^{+0.02777(3.75\%)}_{-0.02656(3.59\%)}}$,
$a3 = 1.01008^{+0.004897(0.485\%)}_{-0.004891(0.484\%)}$, $a4 = 6.72195^{+0.04373(0.651\%)}_{-0.04338(0.645\%)}$

Candidate #11

χ^2/NDF = 186.9/41, RMSE = 0.0213, R2 = 0.9998



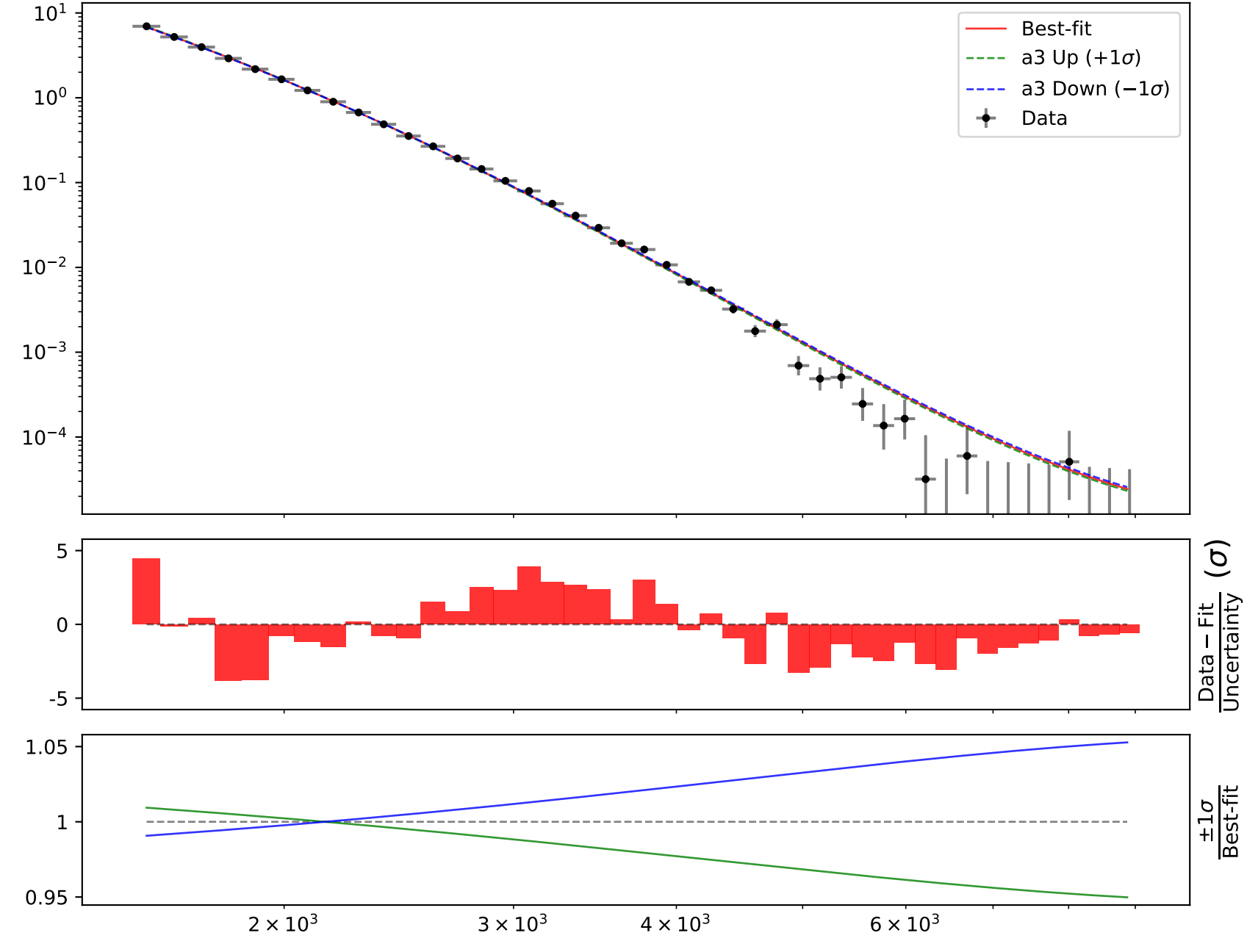
1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**(a3*exp(a2*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.0$, $a2 = -0.740798^{+0.02777(3.75\%)}_{-0.02656(3.59\%)}$,

$a3 = 1.01008^{+0.004897(0.485\%)}_{-0.004891(0.484\%)}$, $a4 = 6.72195^{+0.04373(0.651\%)}_{-0.04338(0.645\%)}$

Candidate #11

χ^2/NDF = 186.9/41, RMSE = 0.0213, R2 = 0.9998



1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**(a3*exp(a2*((x0 - 1568.5) * 0.000136221))))

$a1 = -24.0,\ a2 = -0.740798^{+0.02777(3.75\%)}_{-0.02656(3.59\%)},$

$a3 = 1.01008^{+0.004897(0.485\%)}_{-0.004891(0.484\%)},\ \mathbf{a4 = 6.72195^{+0.04373(0.651\%)}_{-0.04338(0.645\%)}}$

Candidate #11

χ^2/NDF = 186.9/41, RMSE = 0.0213, R2 = 0.9998

Candidate function #10

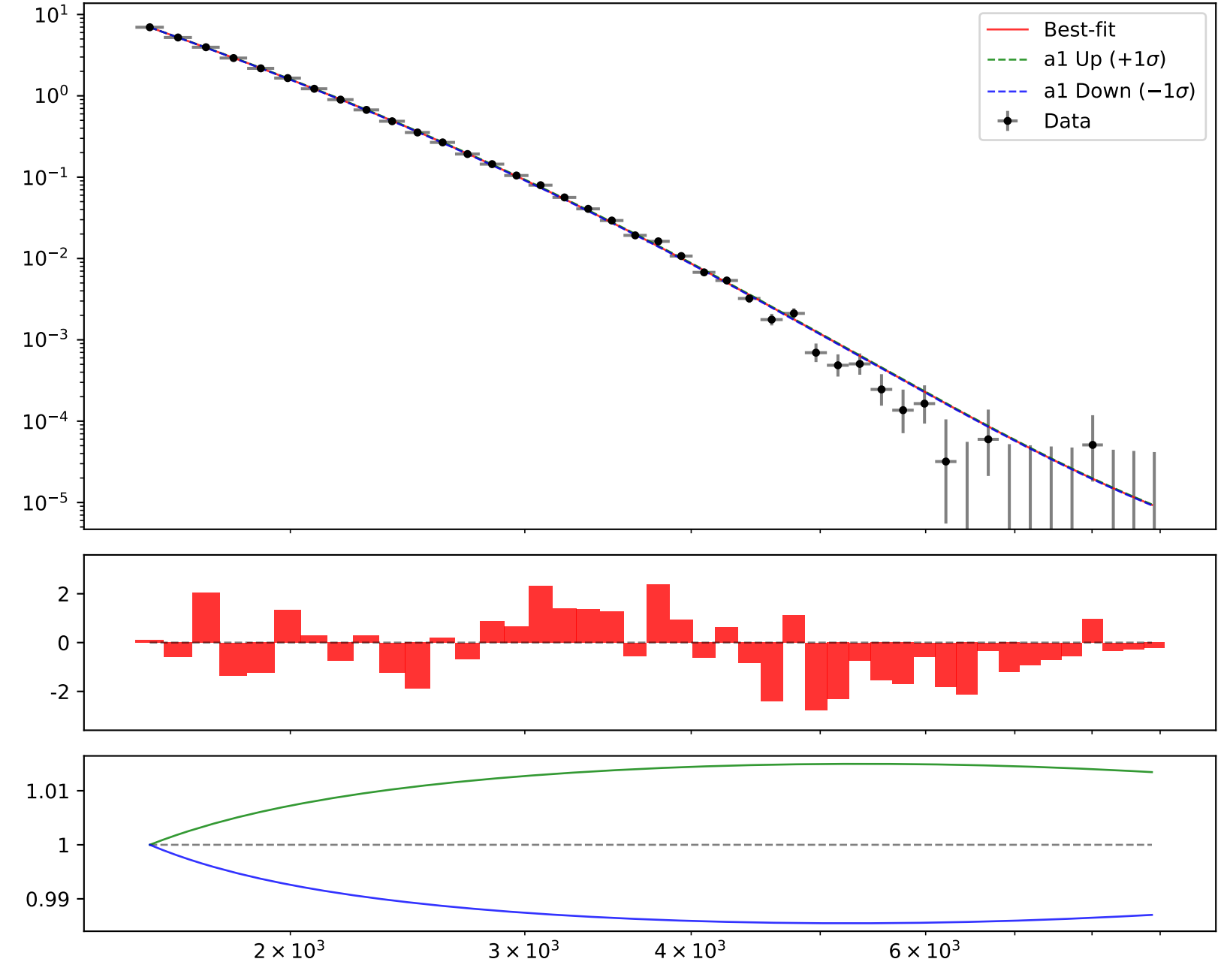
1.0*((a1 + a2*((x0 - 1568.5) * 0.000136221))**(2*tanh(((x0 - 1568.5) * 0.000136221)))/tanh(a3 + ((x0 - 1568.5) * 0.000136221)))

a1 = 3.64365e − 05 $^{+3.769e-06(10.3\%)}_{-3.652e-06(10.0\%)}$, a2 = 0.000392159 $^{+2.495e-05(6.36\%)}_{-2.516e-05(6.42\%)}$,

Candidate #10

a3 = 0.144608 $^{+0.0006053(0.419\%)}_{-0.0006058(0.419\%)}$

χ^2/NDF = 74.72/41, RMSE = 0.008038, R2 = 1.0



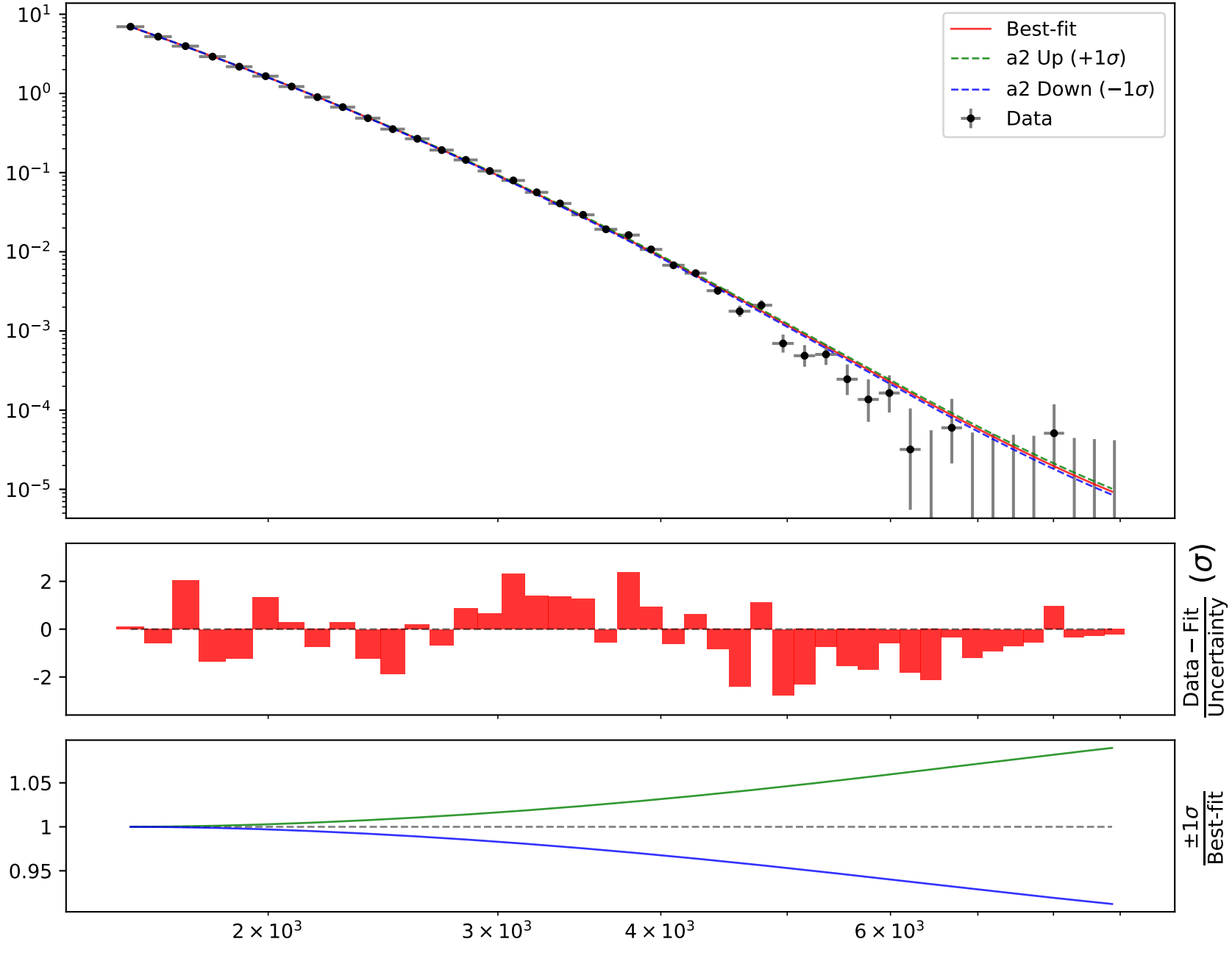
1.0*((a1 + a2*((x0 - 1568.5) * 0.000136221))**(2*tanh(((x0 - 1568.5) * 0.000136221)))/tanh(a3 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 3.64365e-05^{+3.769e-06(10.3\%)}_{-3.652e-06(10.0\%)}$, **$a2 = 0.000392159^{+2.495e-05(6.36\%)}_{-2.516e-05(6.42\%)}$**,

$a3 = 0.144608^{+0.0006053(0.419\%)}_{-0.0006058(0.419\%)}$

Candidate #10

χ^2/NDF = 74.72/41, RMSE = 0.008038, R2 = 1.0



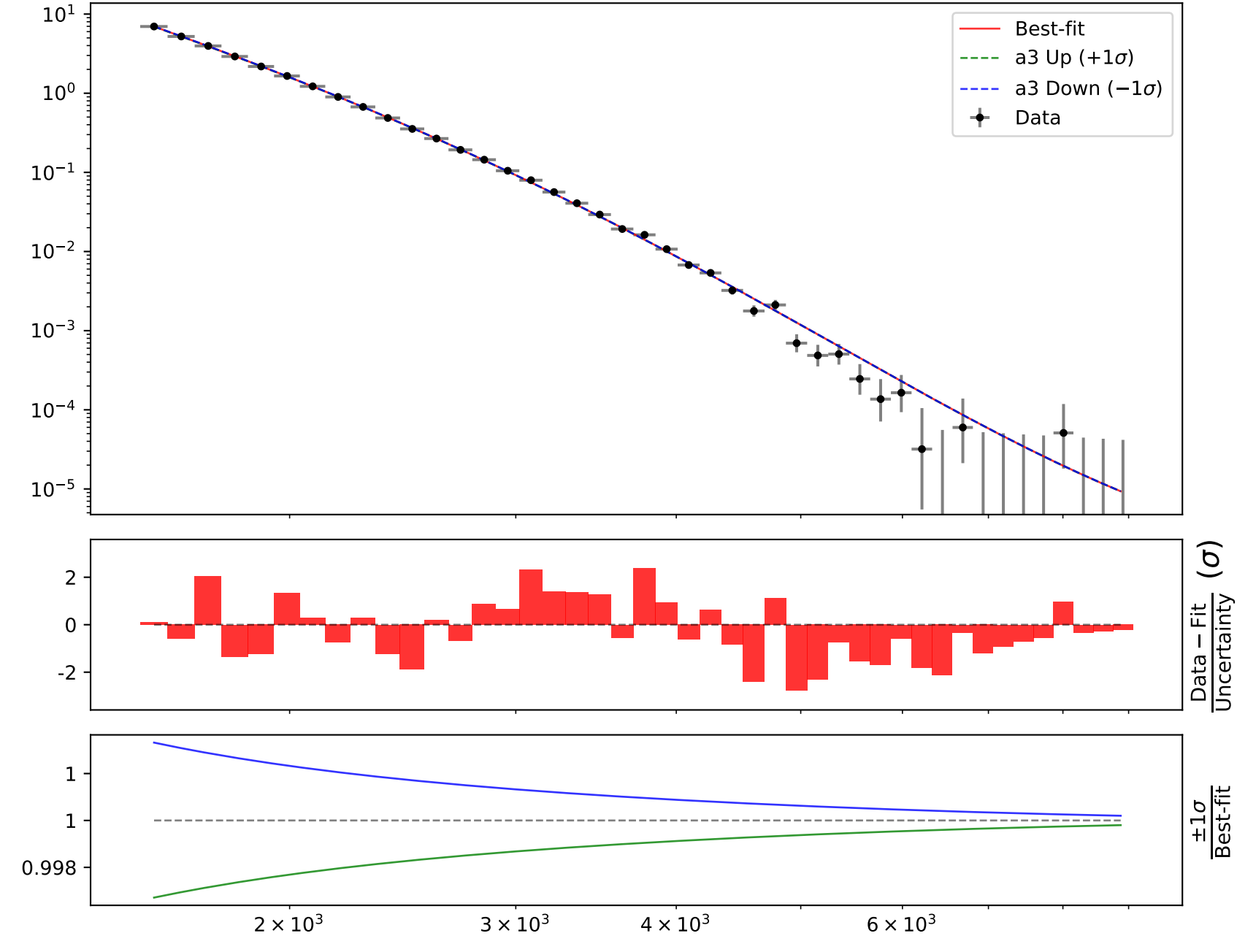
1.0*((a1 + a2*((x0 - 1568.5) * 0.000136221))**(2*tanh(((x0 - 1568.5) * 0.000136221)))/tanh(a3 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 3.64365e-05^{+3.769e-06(10.3\%)}_{-3.652e-06(10.0\%)}$, $a2 = 0.000392159^{+2.495e-05(6.36\%)}_{-2.516e-05(6.42\%)}$,

Candidate #10

$a3 = 0.144608^{+0.0006053(0.419\%)}_{-0.0006058(0.419\%)}$

χ^2/NDF = 74.72/41, RMSE = 0.008038, R2 = 1.0



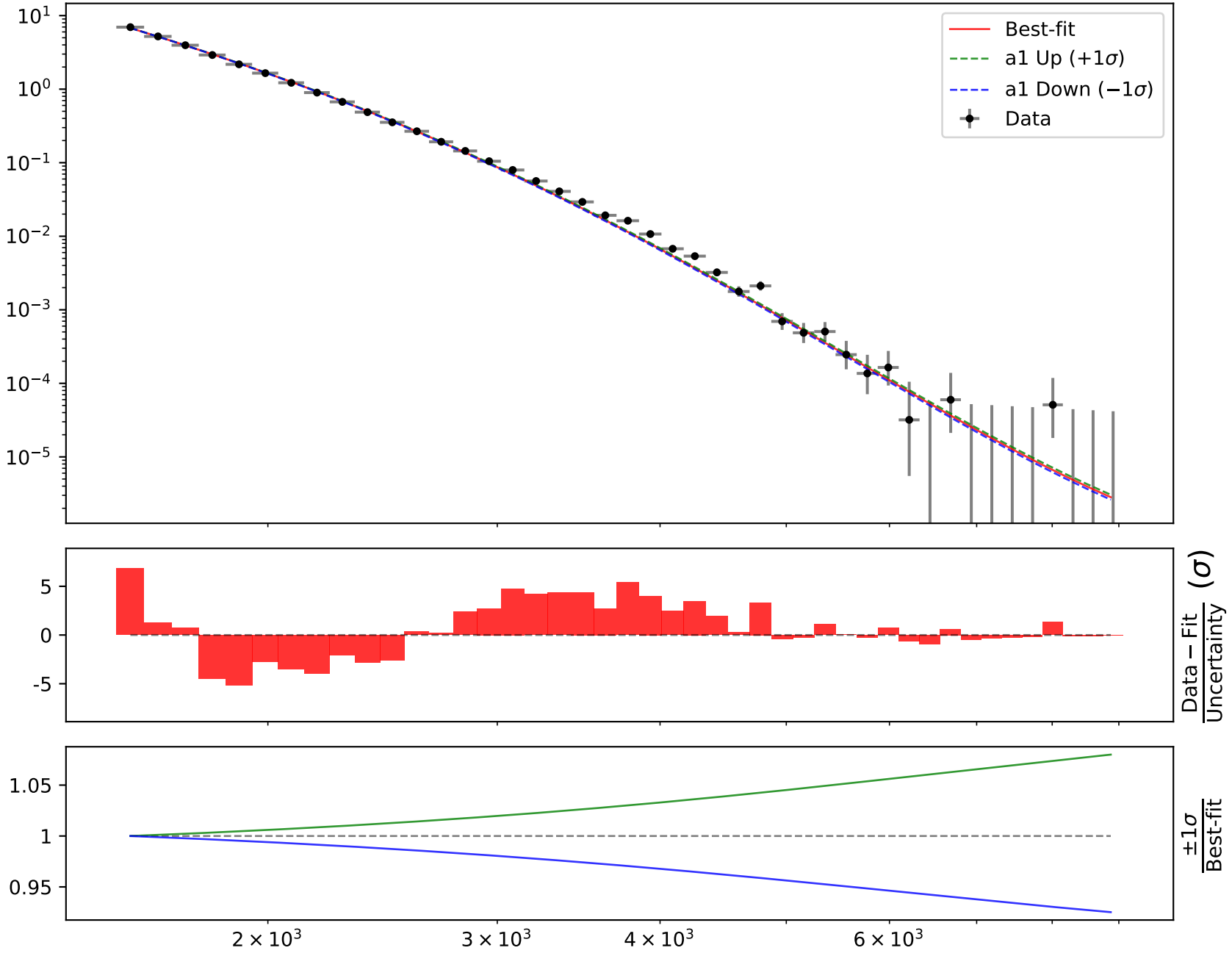
Candidate function #9

1.0*((a1*exp(((x0 - 1568.5) * 0.000136221)))**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

a1 = 8.98377e − 05 $^{+4.666e-06(5.19\%)}_{-4.483e-06(4.99\%)}$, a2 = 0.147262 $^{+0.001046(0.71\%)}_{-0.001034(0.702\%)}$

Candidate #9

χ^2/NDF = 333.9/42, RMSE = 0.03231, R2 = 0.9995

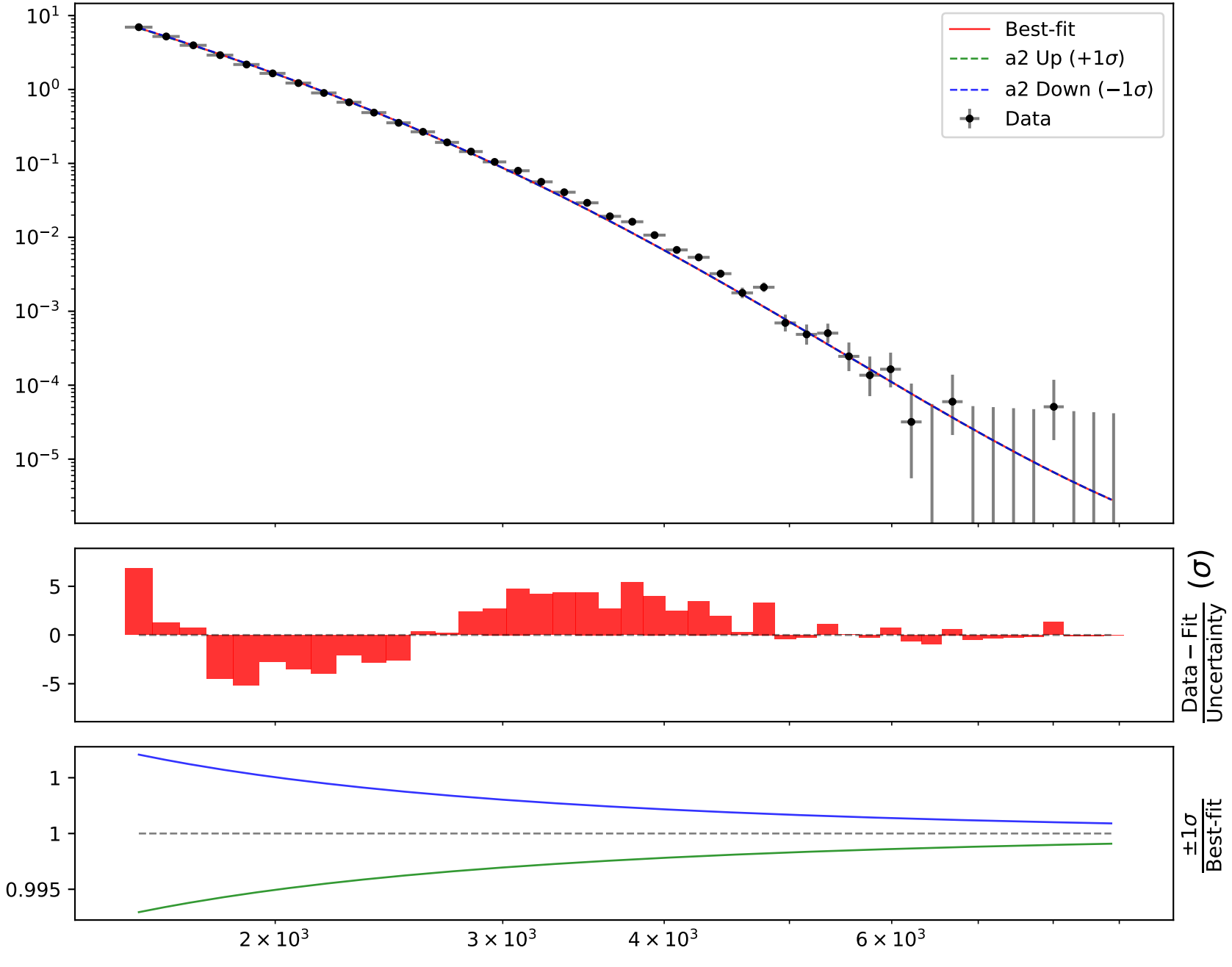


1.0*((a1*exp(((x0 - 1568.5) * 0.000136221)))**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 8.98377e-05^{+4.666e-06(5.19\%)}_{-4.483e-06(4.99\%)}$, **$a2 = 0.147262^{+0.001046(0.71\%)}_{-0.001034(0.702\%)}$**

Candidate #9

χ^2/NDF = 333.9/42, RMSE = 0.03231, R2 = 0.9995



Candidate function #8

1.0*((a1*exp(((x0 - 1568.5) * 0.000136221)))**(((x0 - 1568.5) * 0.000136221) + tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

a1 = 9.39557e − 05 $^{+5.588e-06(5.95\%)}_{-5.335e-06(5.68\%)}$, a2 = 0.14761 $^{+0.001191(0.807\%)}_{-0.001175(0.796\%)}$

Candidate #8

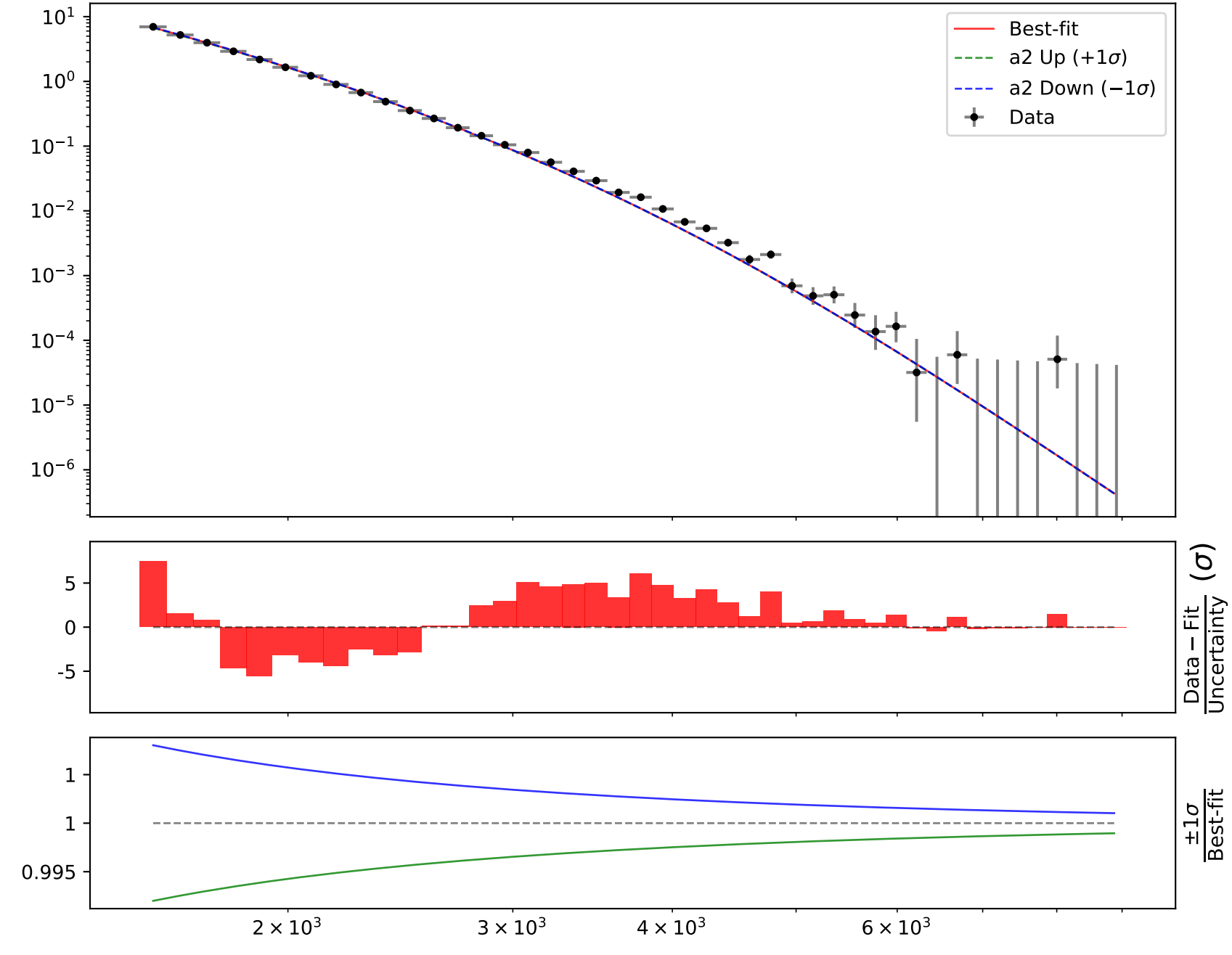
χ^2/NDF = 426.0/42, RMSE = 0.03519, R2 = 0.9994

1.0*((a1*exp(((x0 - 1568.5) * 0.000136221)))**(((x0 - 1568.5) * 0.000136221) + tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 9.39557e-05^{+5.588e-06(5.95\%)}_{-5.335e-06(5.68\%)}$, $\mathbf{a2 = 0.14761^{+0.001191(0.807\%)}_{-0.001175(0.796\%)}}$

Candidate #8

χ^2/NDF = 426.0/42, RMSE = 0.03519, R2 = 0.9994



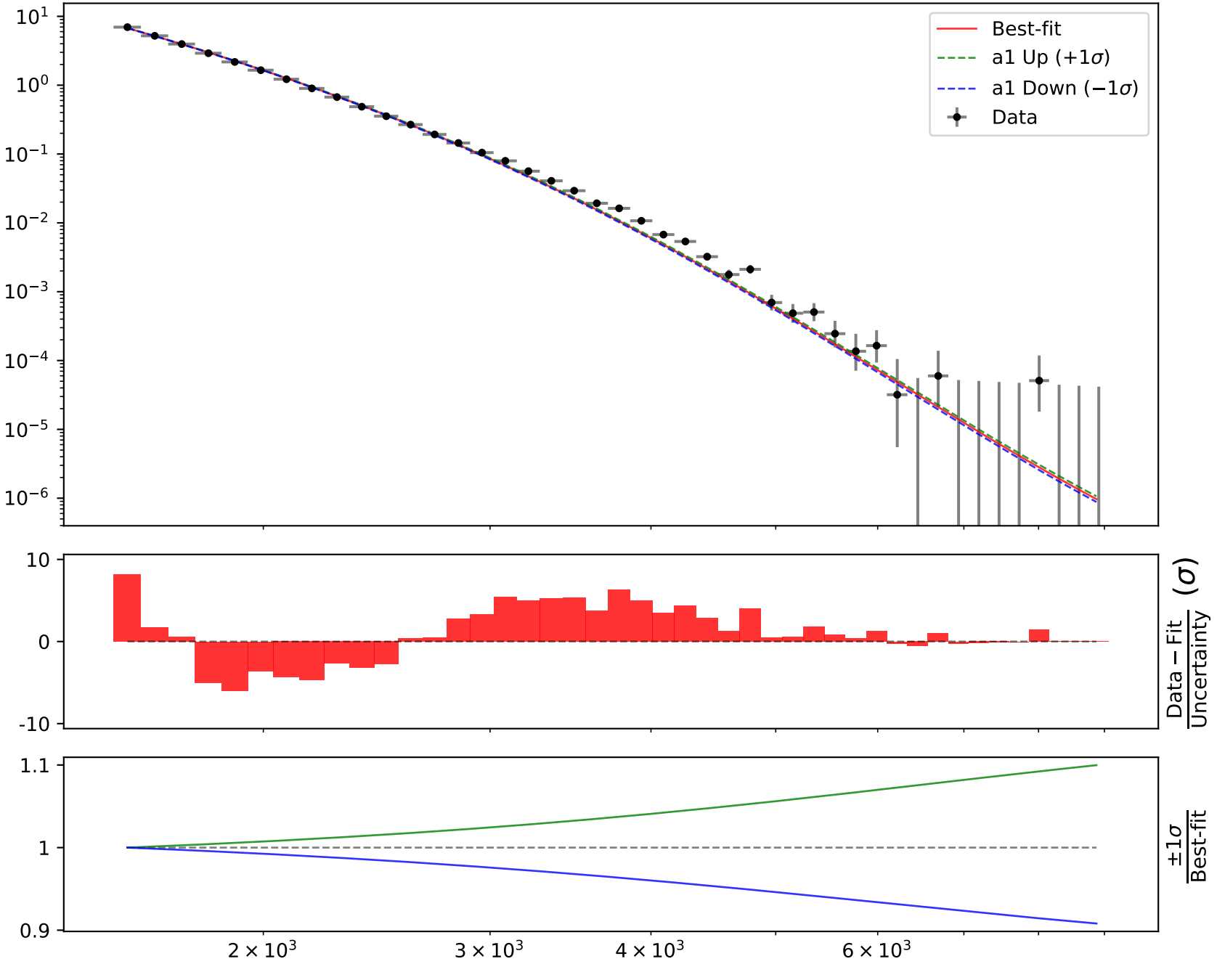
Candidate function #7

1.0*(a1**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + tanh(((x0 - 1568.5) * 0.000136221))))

a1 = $0.000103071^{+6.66e-06(6.46\%)}_{-6.338e-06(6.15\%)}$, a2 = $0.148^{+0.001284(0.868\%)}_{-0.001267(0.856\%)}$

Candidate #7

χ^2/NDF = 488.7/42, RMSE = 0.03834, R2 = 0.9993

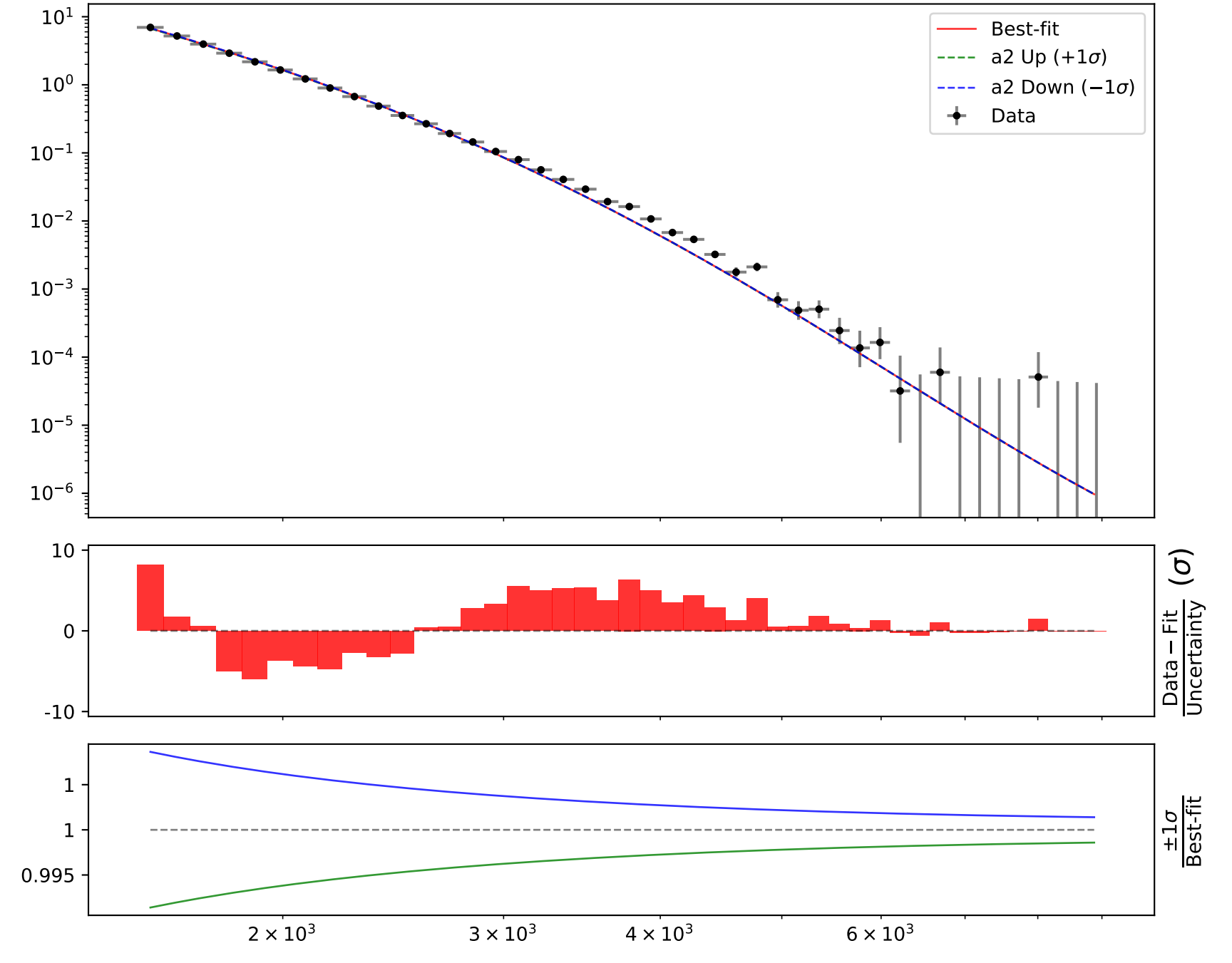


1.0*(a1**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + tanh(((x0 - 1568.5) * 0.000136221))))

$a1 = 0.000103071^{+6.66e-06(6.46\%)}_{-6.338e-06(6.15\%)}$, $\mathbf{a2 = 0.148^{+0.001284(0.868\%)}_{-0.001267(0.856\%)}}$

Candidate #7

χ^2/NDF = 488.7/42, RMSE = 0.03834, R2 = 0.9993



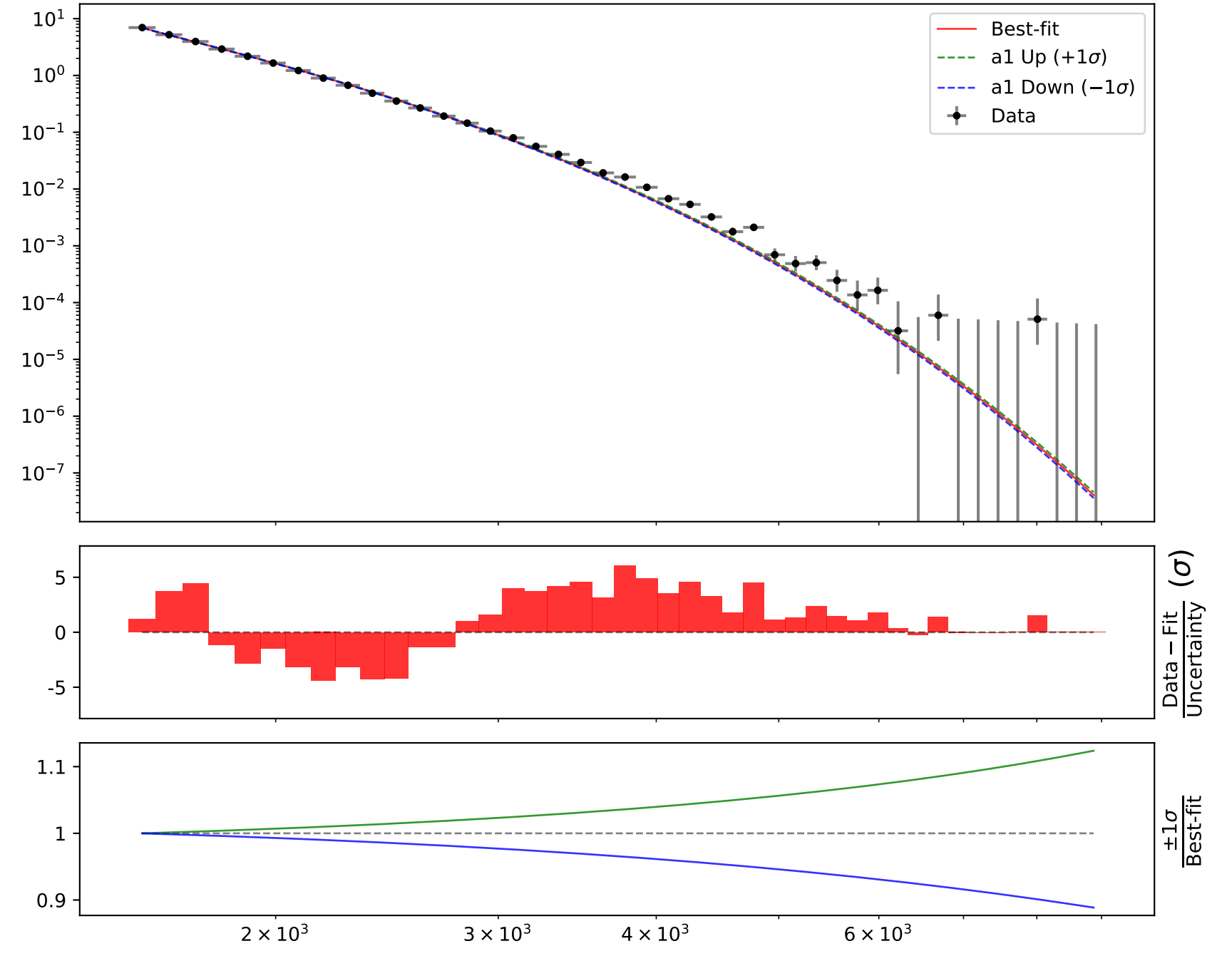
Candidate function #6

1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(2*((x0 - 1568.5) * 0.000136221)))

a1 = 7.32869e − 05 $^{+4.43e-06(6.04\%)}_{-4.222e-06(5.76\%)}$, a2 = 6.93508 $^{+0.04812(0.694\%)}_{-0.04799(0.692\%)}$

Candidate #6

χ^2/NDF = 353.7/42, RMSE = 0.02166, R2 = 0.9998

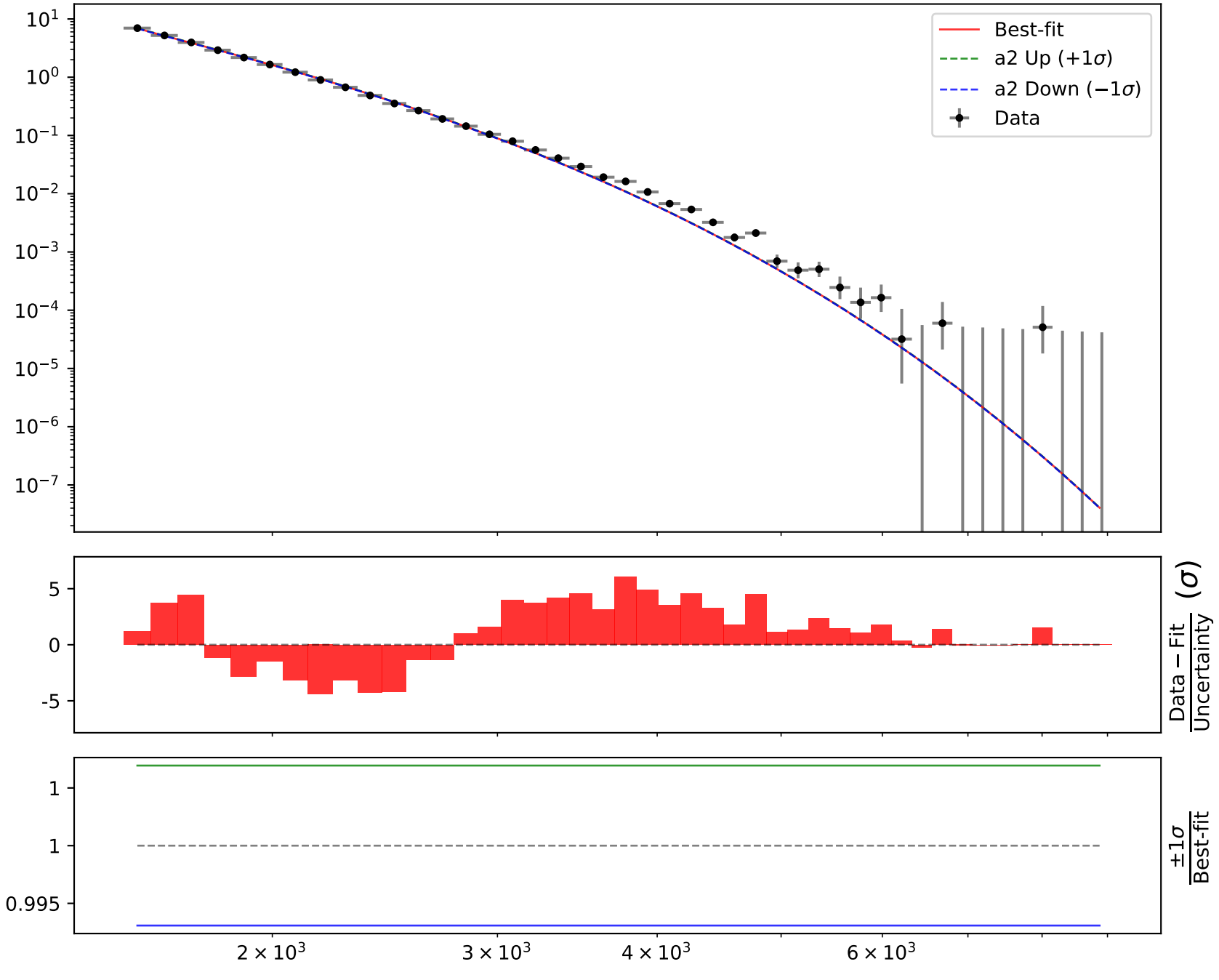


1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(2*((x0 - 1568.5) * 0.000136221)))

$a1 = 7.32869e-05^{+4.43e-06(6.04\%)}_{-4.222e-06(5.76\%)}$, $\mathbf{a2 = 6.93508^{+0.04812(0.694\%)}_{-0.04799(0.692\%)}}$

Candidate #6

χ^2/NDF = 353.7/42, RMSE = 0.02166, R2 = 0.9998



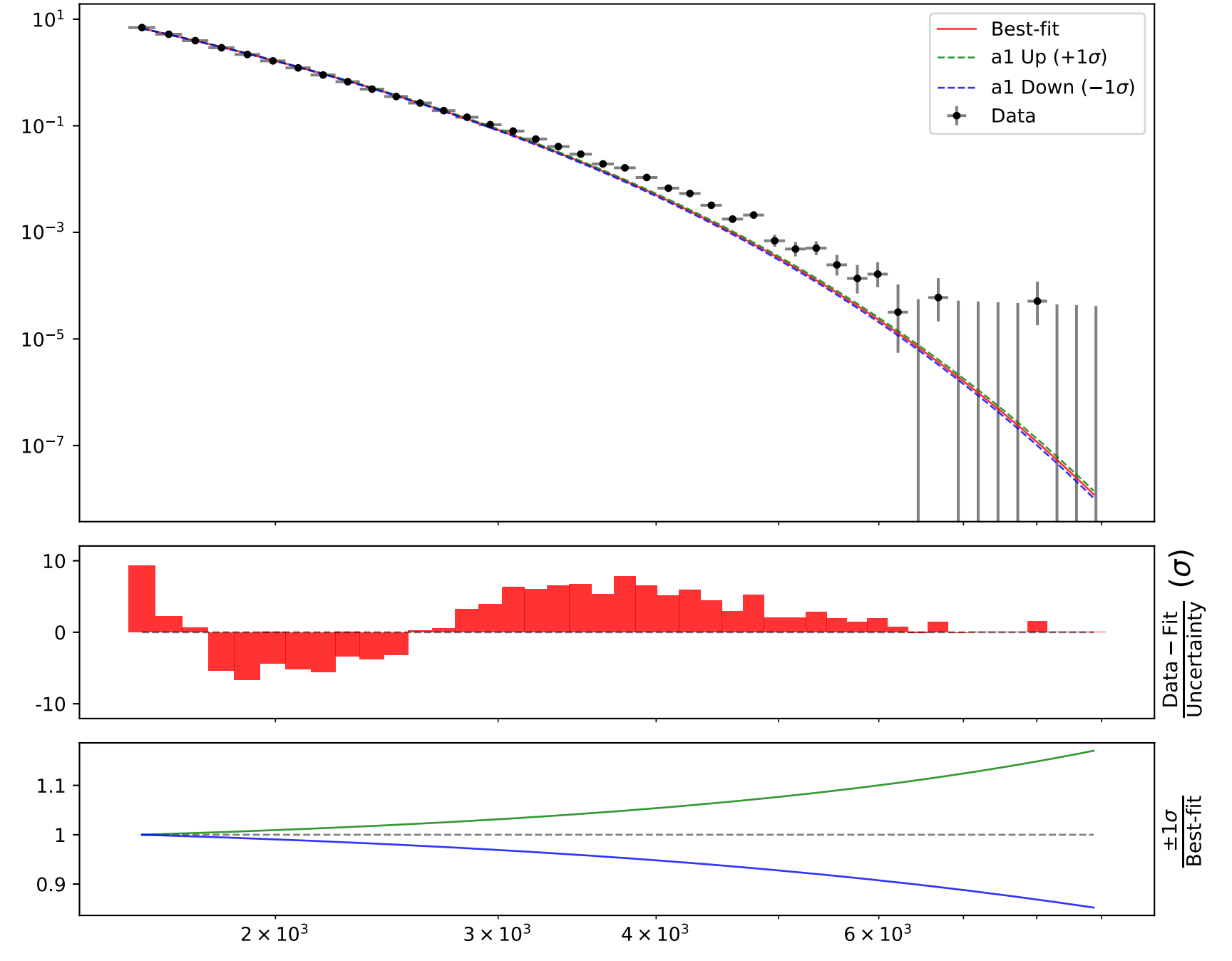
Candidate function #5

1.0*(a1**(2*((x0 - 1568.5) * 0.000136221))/(a2 + ((x0 - 1568.5) * 0.000136221)))

a1 = 0.000112318 $^{+9.236e-06(8.22\%)}_{-8.666e-06(7.72\%)}$, a2 = 0.148636 $^{+0.001613(1.08\%)}_{-0.001585(1.07\%)}$

Candidate #5

χ^2/NDF = 747.9/42, RMSE = 0.04364, R2 = 0.9991

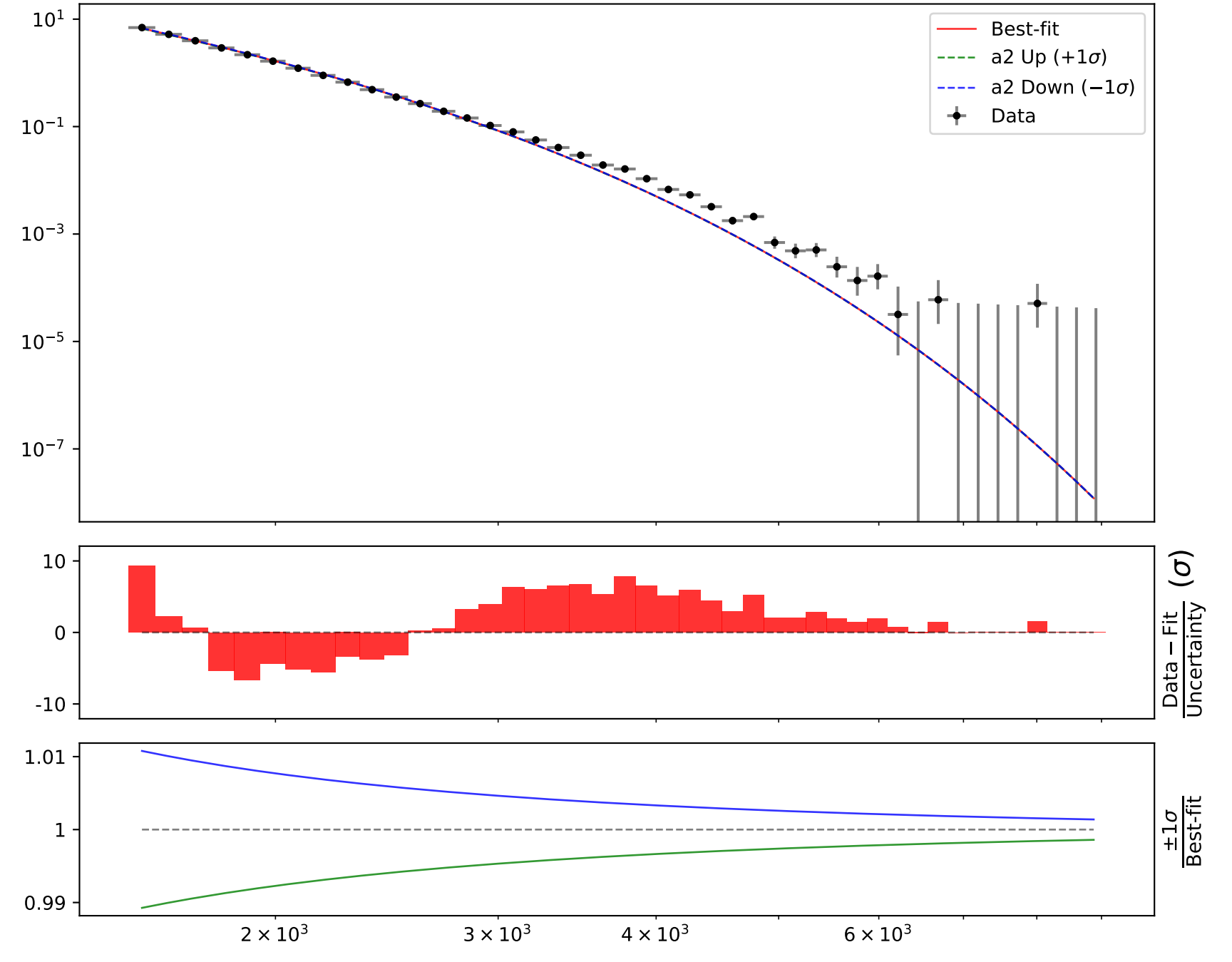


1.0*(a1**(2*((x0 - 1568.5) * 0.000136221))/(a2 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 0.000112318^{+9.236e-06(8.22\%)}_{-8.666e-06(7.72\%)}$, **$a2 = 0.148636^{+0.001613(1.08\%)}_{-0.001585(1.07\%)}$**

Candidate #5

χ^2/NDF = 747.9/42, RMSE = 0.04364, R2 = 0.9991



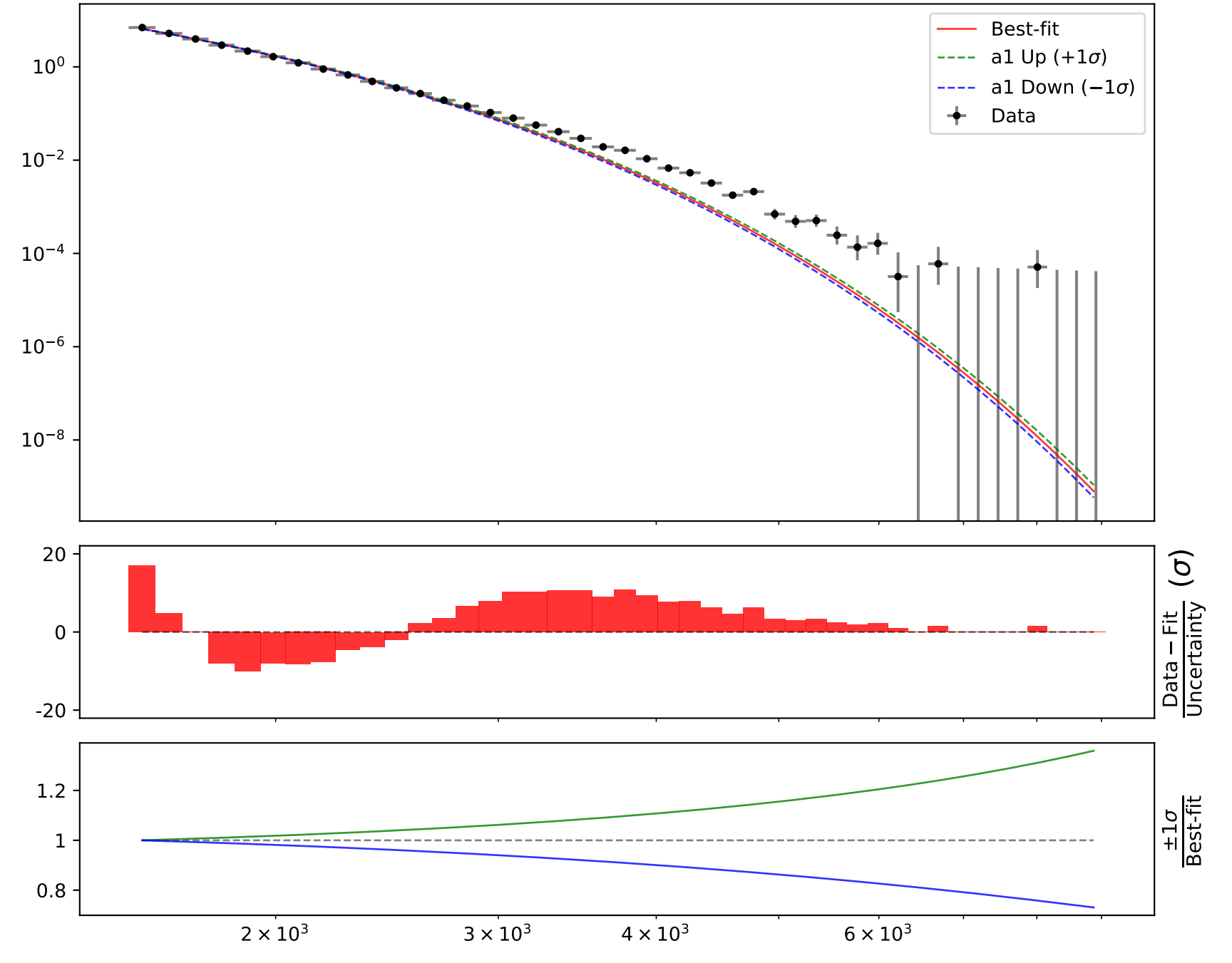
Candidate function #4

1.0*(a2*exp(a1*((x0 - 1568.5) * 0.000136221)))

a1 = $-22.9406^{+0.3084(1.34\%)}_{-0.3154(1.38\%)}$, a2 = $6.53015^{+0.1105(1.69\%)}_{-0.1097(1.68\%)}$

Candidate #4

χ^2/NDF = 1843.0/42, RMSE = 0.07683, R2 = 0.9972

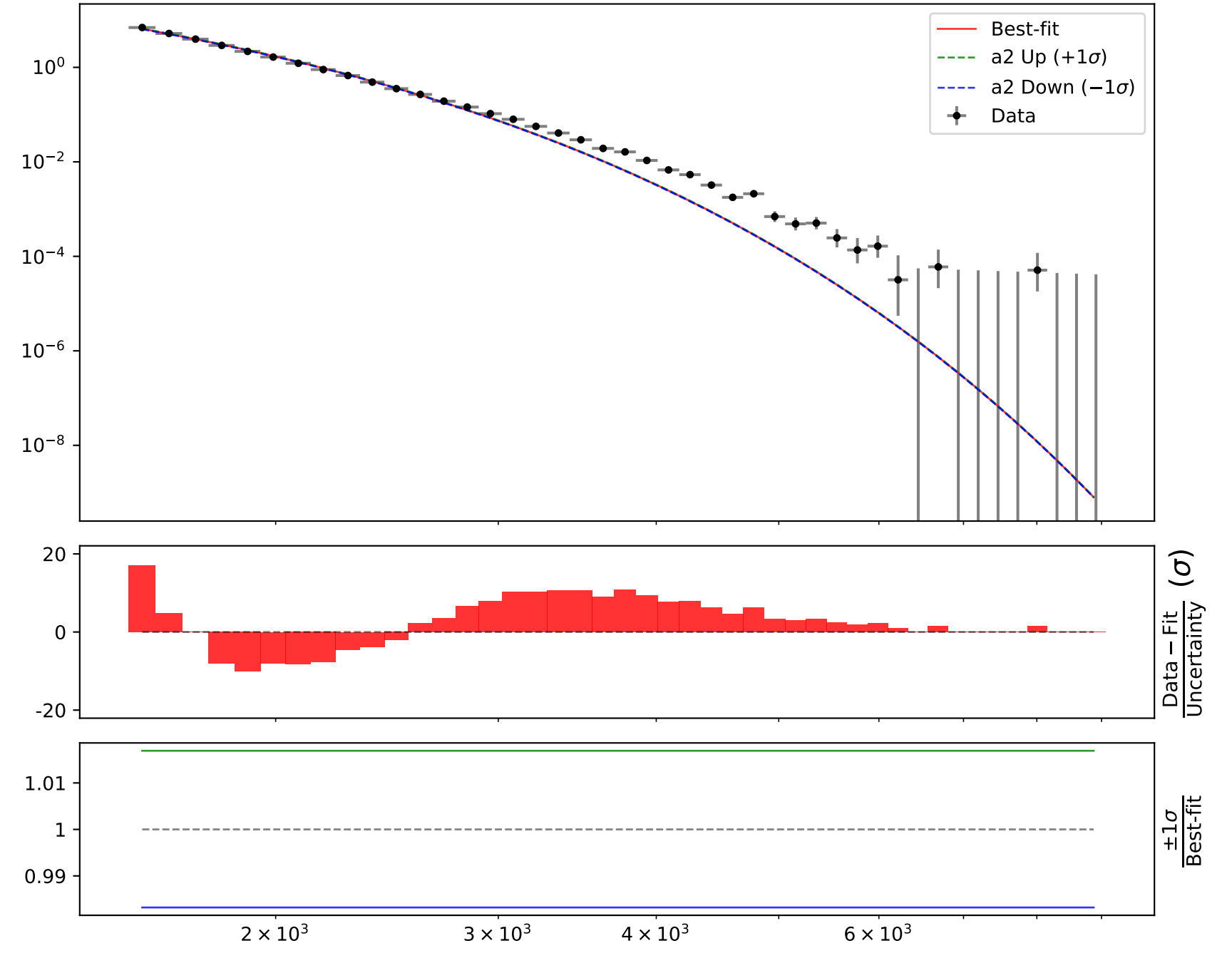


1.0*(a2*exp(a1*((x0 - 1568.5) * 0.000136221)))

$a1 = -22.9406^{+0.3084(1.34\%)}_{-0.3154(1.38\%)}$, $\mathbf{a2 = 6.53015^{+0.1105(1.69\%)}_{-0.1097(1.68\%)}}$

Candidate #4

χ^2/NDF = 1843.0/42, RMSE = 0.07683, R2 = 0.9972



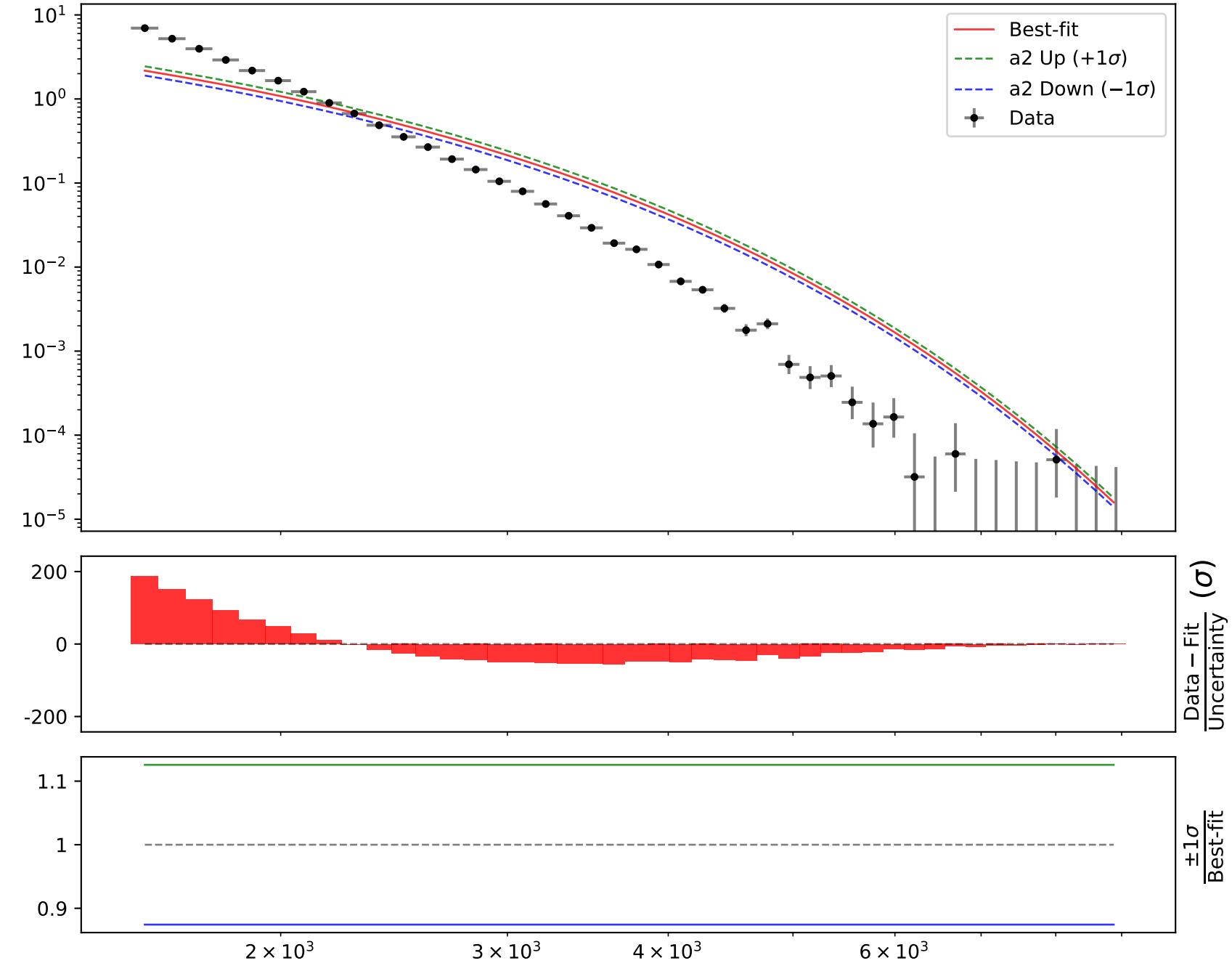
Candidate function #3

1.0*(a1**((x0 - 1568.5) * 0.000136221)*a2)

$a1 = 6.88e-06$, $\mathbf{a2 = 2.17294^{+0.273(12.6\%)}_{-0.273(12.6\%)}}$

Candidate #3

χ^2/NDF = 130100.0/43, RMSE = 0.9834, R2 = 0.5446



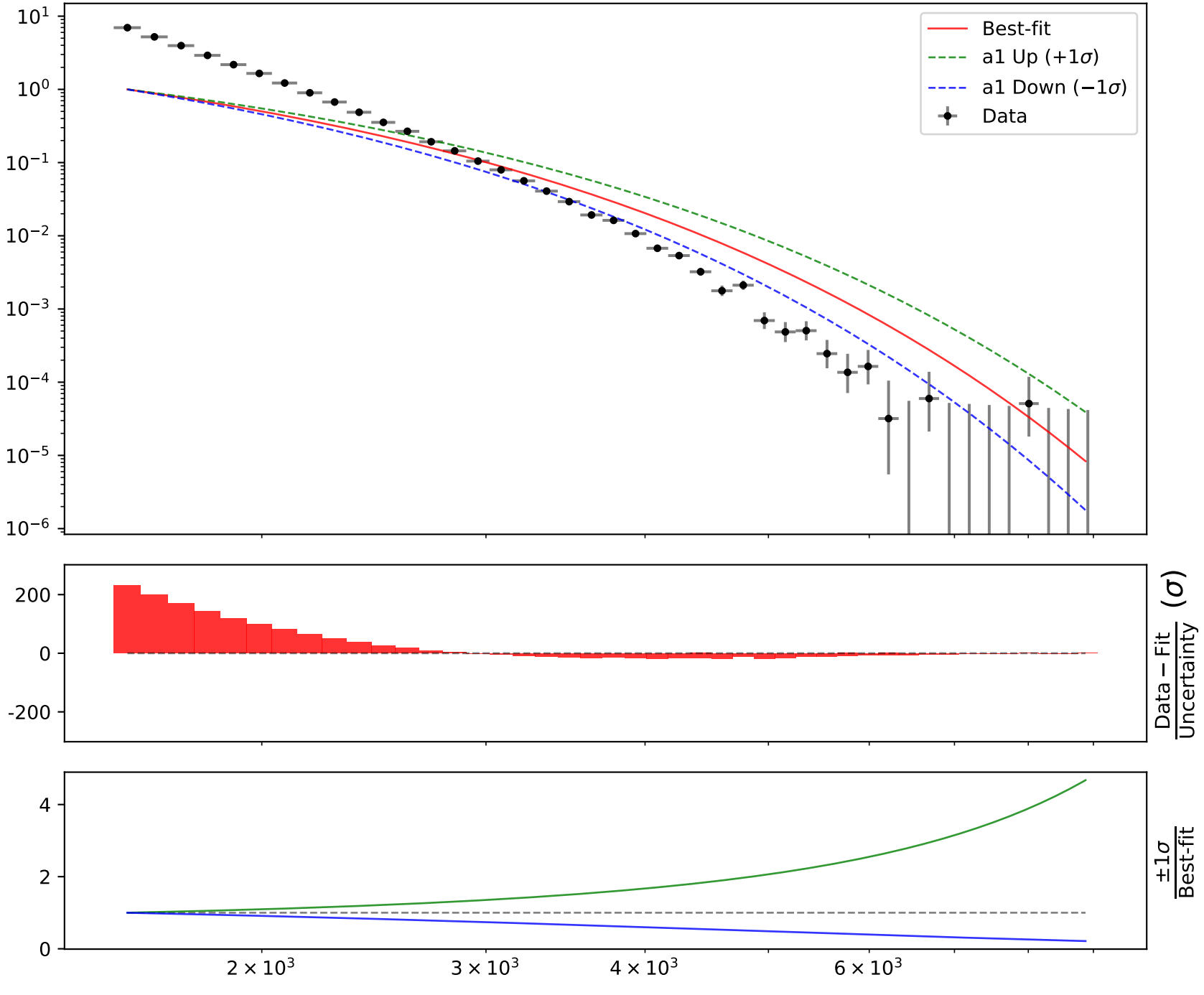
Candidate function #2

1.0*(exp(a1*((x0 - 1568.5) * 0.000136221)))

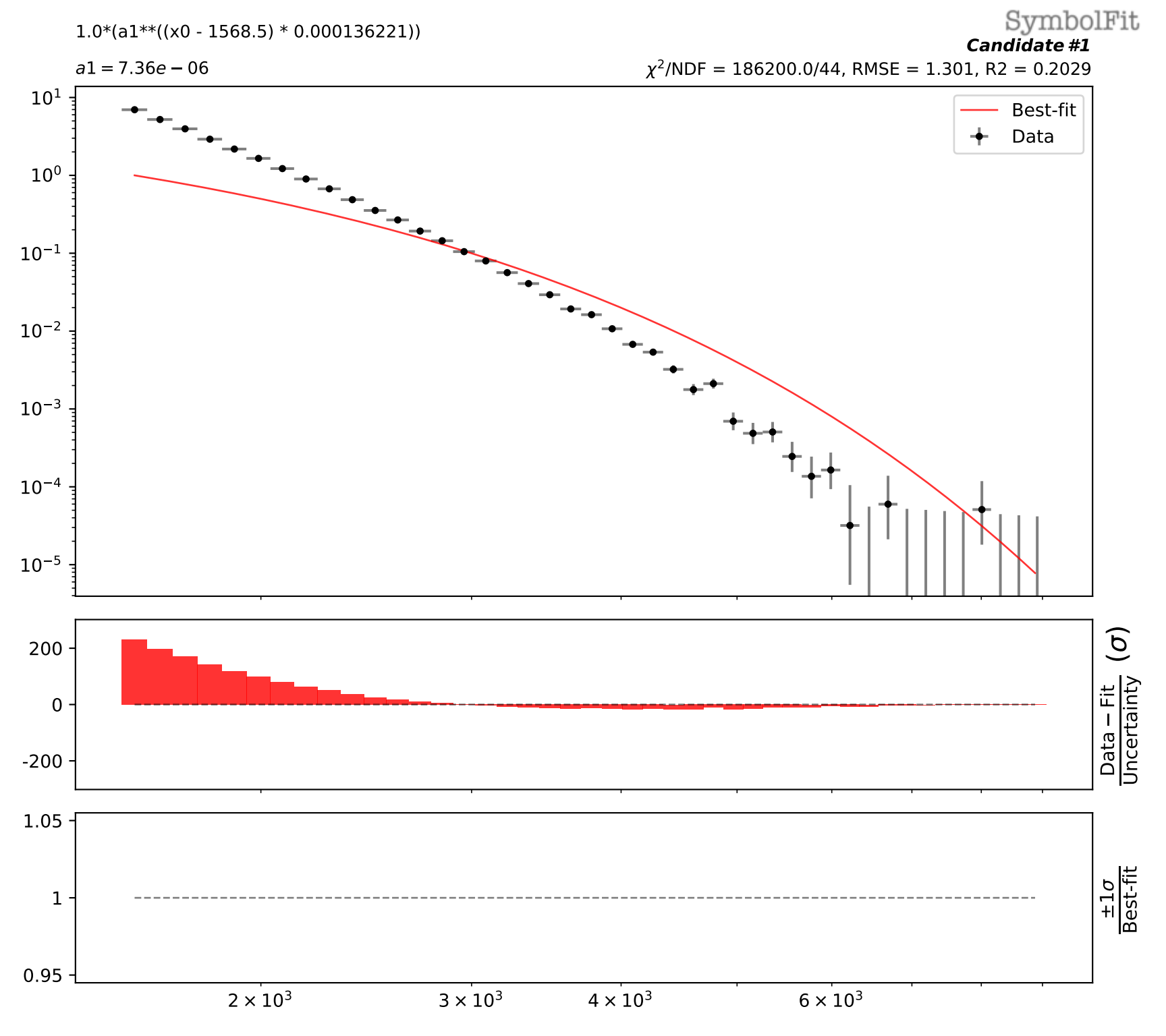
Candidate #2

a1 = $-11.7528^{+1.55(13.2\%)}_{-1.55(13.2\%)}$

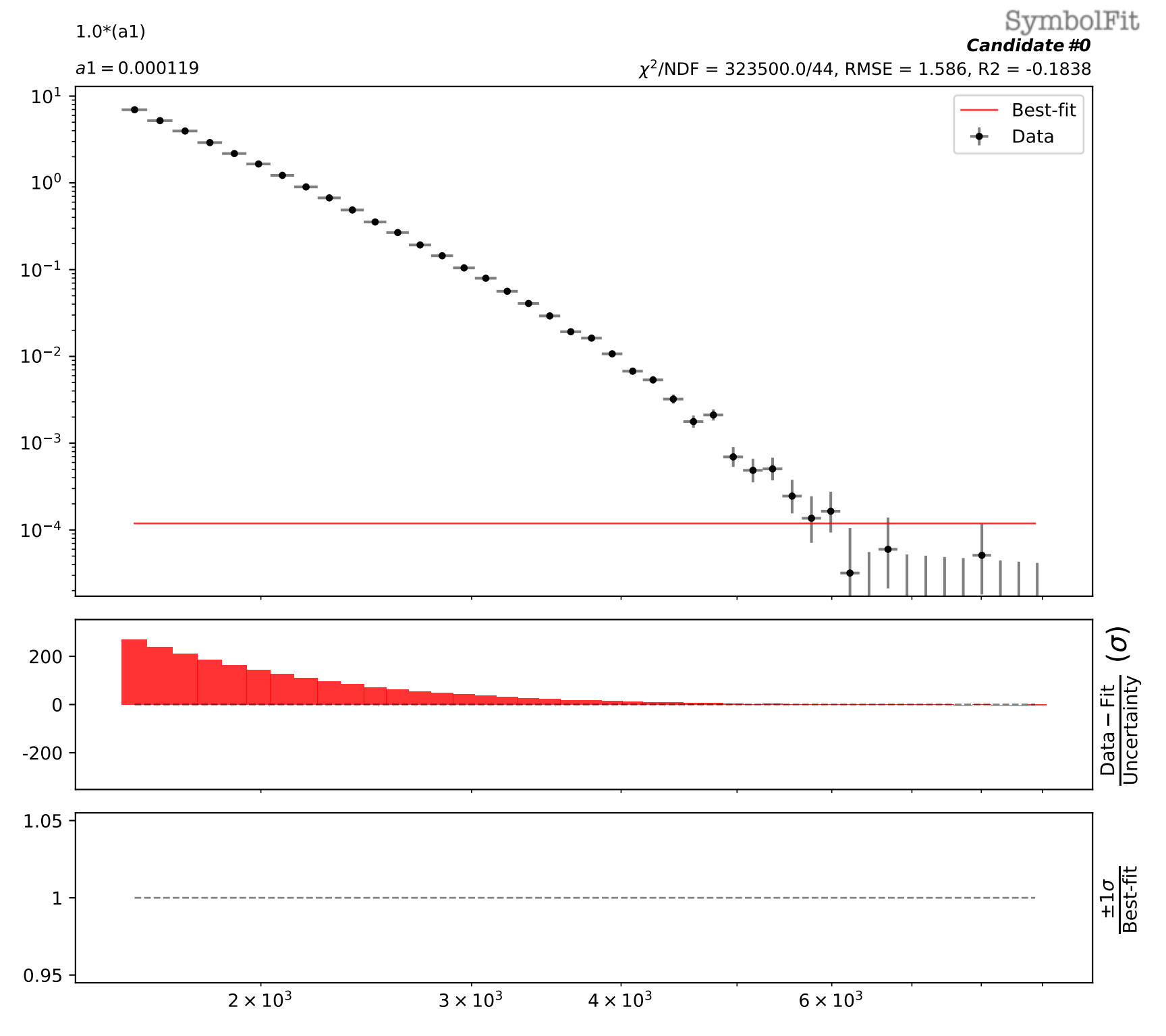
χ^2/NDF = 186200.0/43, RMSE = 1.301, R2 = 0.2033



Candidate function #1


1.0*(a1**((x0 - 1568.5) * 0.000136221))
SymbolFit
Candidate #1
a1 = 7.36e − 06
χ²/NDF = 186200.0/44, RMSE = 1.301, R2 = 0.2029
Best-fit
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³

Candidate function #0


SymbolFit
1.0*(a1)
Candidate #0
a1 = 0.000119
χ²/NDF = 323500.0/44, RMSE = 1.586, R2 = -0.1838
Best-fit
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³