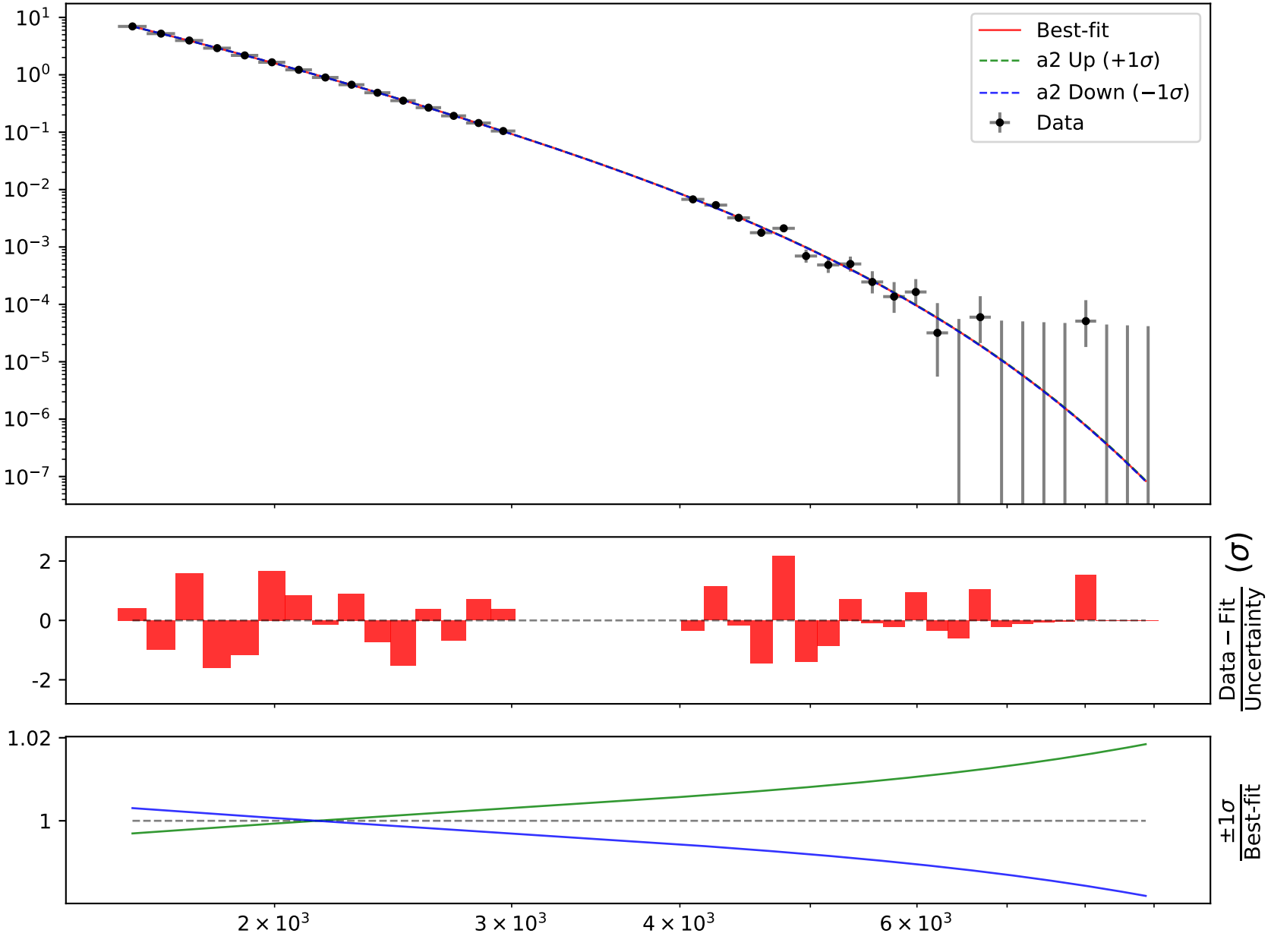
Candidate function #15

1.0*((a2 + a3*tanh(a4*((x0 - 1568.5) * 0.000136221)))**(a5*((x0 - 1568.5) * 0.000136221) + tanh(a1 + ((x0 - 1568.5) * 0.000136221)**2)))

$a1 = -1.27$, $\mathbf{a2 = 0.103136^{+0.000369(0.358\%)}_{-0.0003677(0.357\%)}}$,
$a3 = 0.109789^{+0.009845(8.97\%)}_{-0.008207(7.48\%)}$, $a4 = 2.53141^{+0.2877(11.4\%)}_{-0.2832(11.2\%)}$,
$a5 = 10.8176^{+0.01913(0.177\%)}_{-0.01907(0.176\%)}$

Candidate #15

χ^2/NDF = 32.29/33, RMSE = 0.008844, R2 = 1.0



1.0*((a2 + a3*tanh(a4*((x0 - 1568.5) * 0.000136221)))**(a5*((x0 - 1568.5) * 0.000136221) + tanh(a1 + ((x0 - 1568.5) * 0.000136221)**2)))

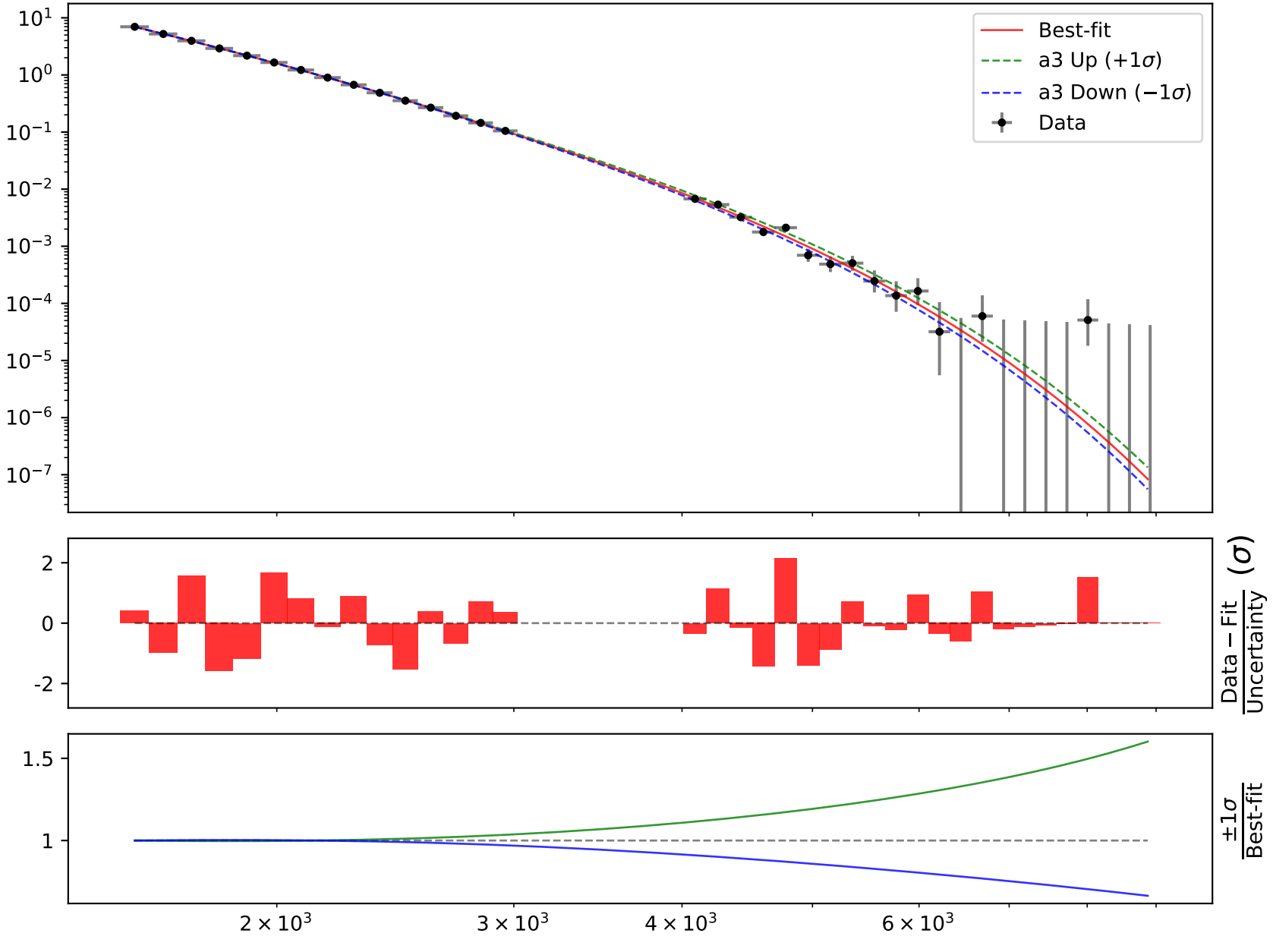
$a1 = -1.27$, $a2 = 0.103136^{+0.000369(0.358\%)}_{-0.0003677(0.357\%)}$,

$a3 = 0.109789^{+0.009845(8.97\%)}_{-0.008207(7.48\%)}$, $a4 = 2.53141^{+0.2877(11.4\%)}_{-0.2832(11.2\%)}$,

$a5 = 10.8176^{+0.01913(0.177\%)}_{-0.01907(0.176\%)}$

Candidate #15

χ^2/NDF = 32.29/33, RMSE = 0.008844, R2 = 1.0



1.0*((a2 + a3*tanh(a4*((x0 - 1568.5) * 0.000136221)))**(a5*((x0 - 1568.5) * 0.000136221) + tanh(a1 + ((x0 - 1568.5) * 0.000136221)**2)))

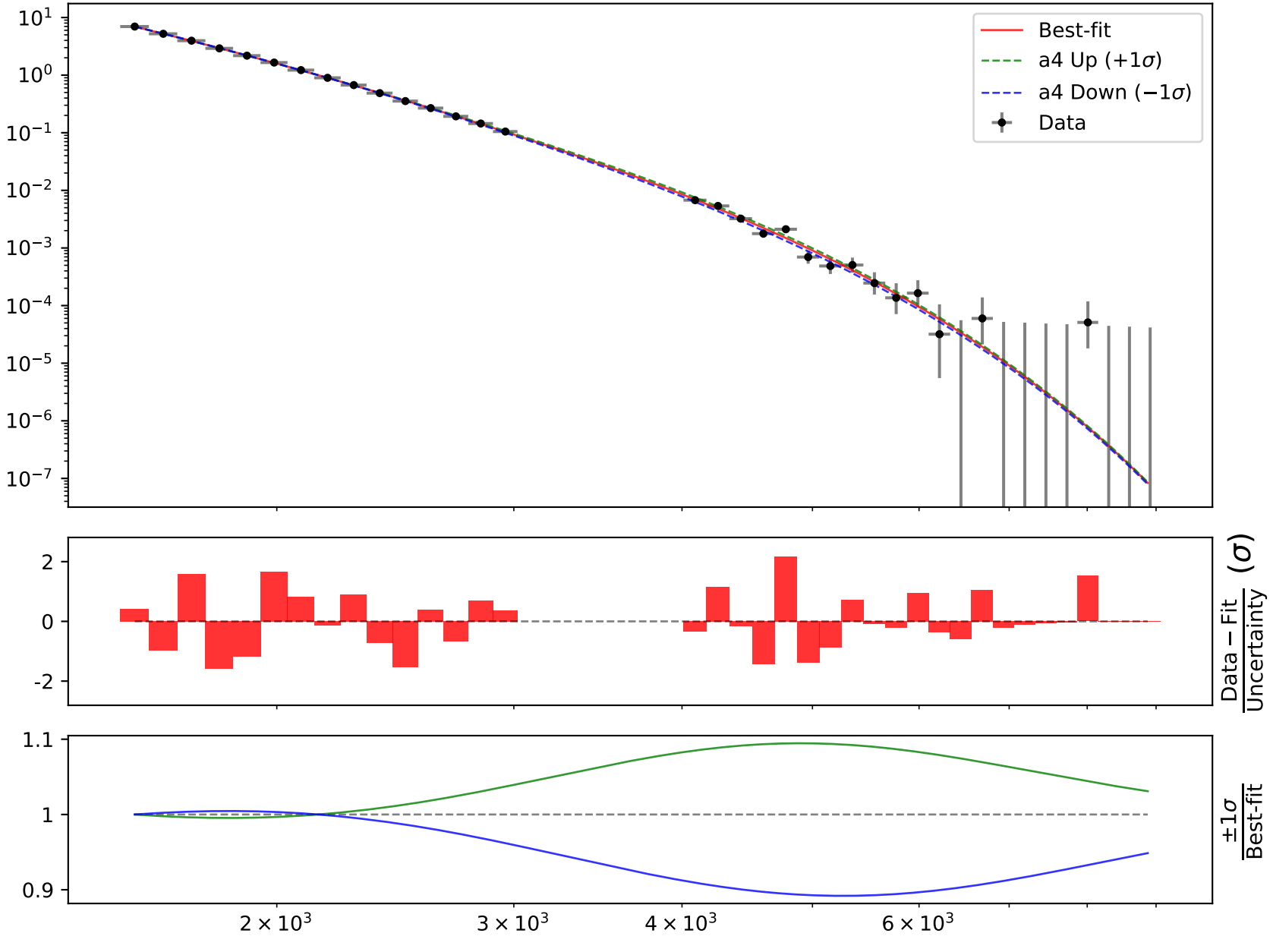
$a1 = -1.27$, $a2 = 0.103136^{+0.000369(0.358\%)}_{-0.0003677(0.357\%)}$,

$a3 = 0.109789^{+0.009845(8.97\%)}_{-0.008207(7.48\%)}$, **$a4 = 2.53141^{+0.2877(11.4\%)}_{-0.2832(11.2\%)}$**,

$a5 = 10.8176^{+0.01913(0.177\%)}_{-0.01907(0.176\%)}$

Candidate #15

χ^2/NDF = 32.29/33, RMSE = 0.008844, R2 = 1.0



1.0*((a2 + a3*tanh(a4*((x0 - 1568.5) * 0.000136221)))**(a5*((x0 - 1568.5) * 0.000136221) + tanh(a1 + ((x0 - 1568.5) * 0.000136221)**2)))

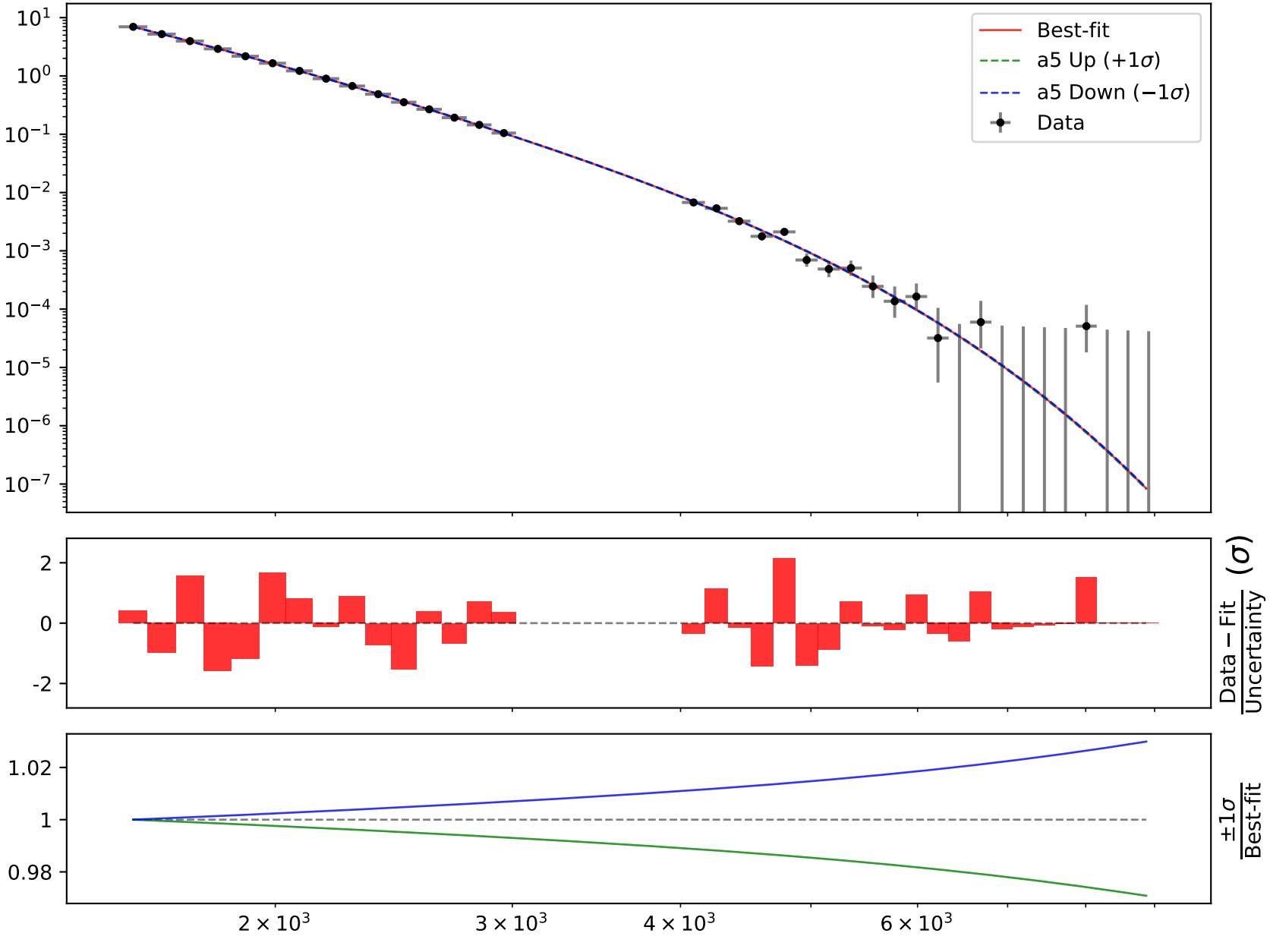
$a1 = -1.27$, $a2 = 0.103136^{+0.000369(0.358\%)}_{-0.0003677(0.357\%)}$,

$a3 = 0.109789^{+0.009845(8.97\%)}_{-0.008207(7.48\%)}$, $a4 = 2.53141^{+0.2877(11.4\%)}_{-0.2832(11.2\%)}$,

$a5 = 10.8176^{+0.01913(0.177\%)}_{-0.01907(0.176\%)}$

Candidate #15

χ^2/NDF = 32.29/33, RMSE = 0.008844, R2 = 1.0



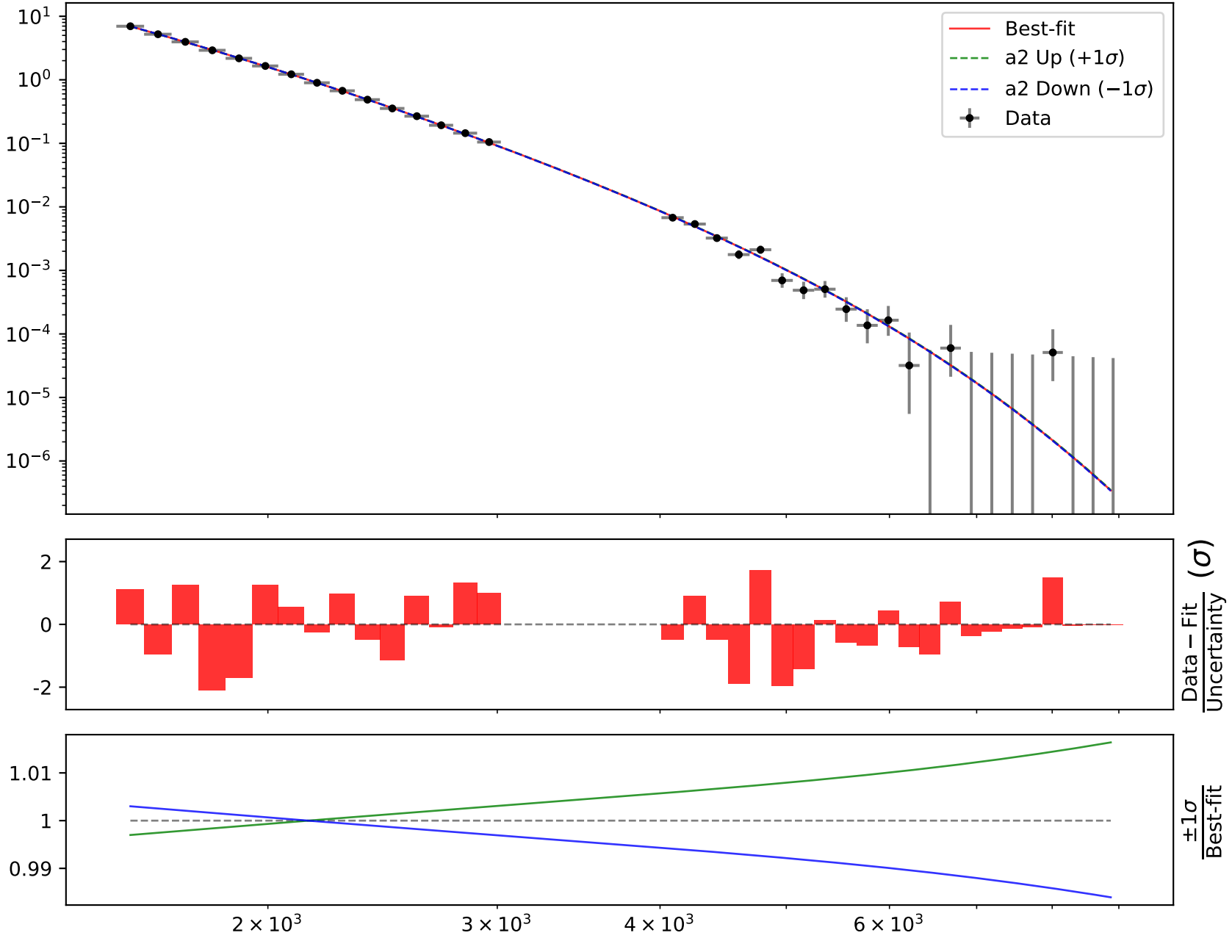
Candidate function #14

1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $\mathbf{a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}}$,
$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, $a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$

Candidate #14

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0



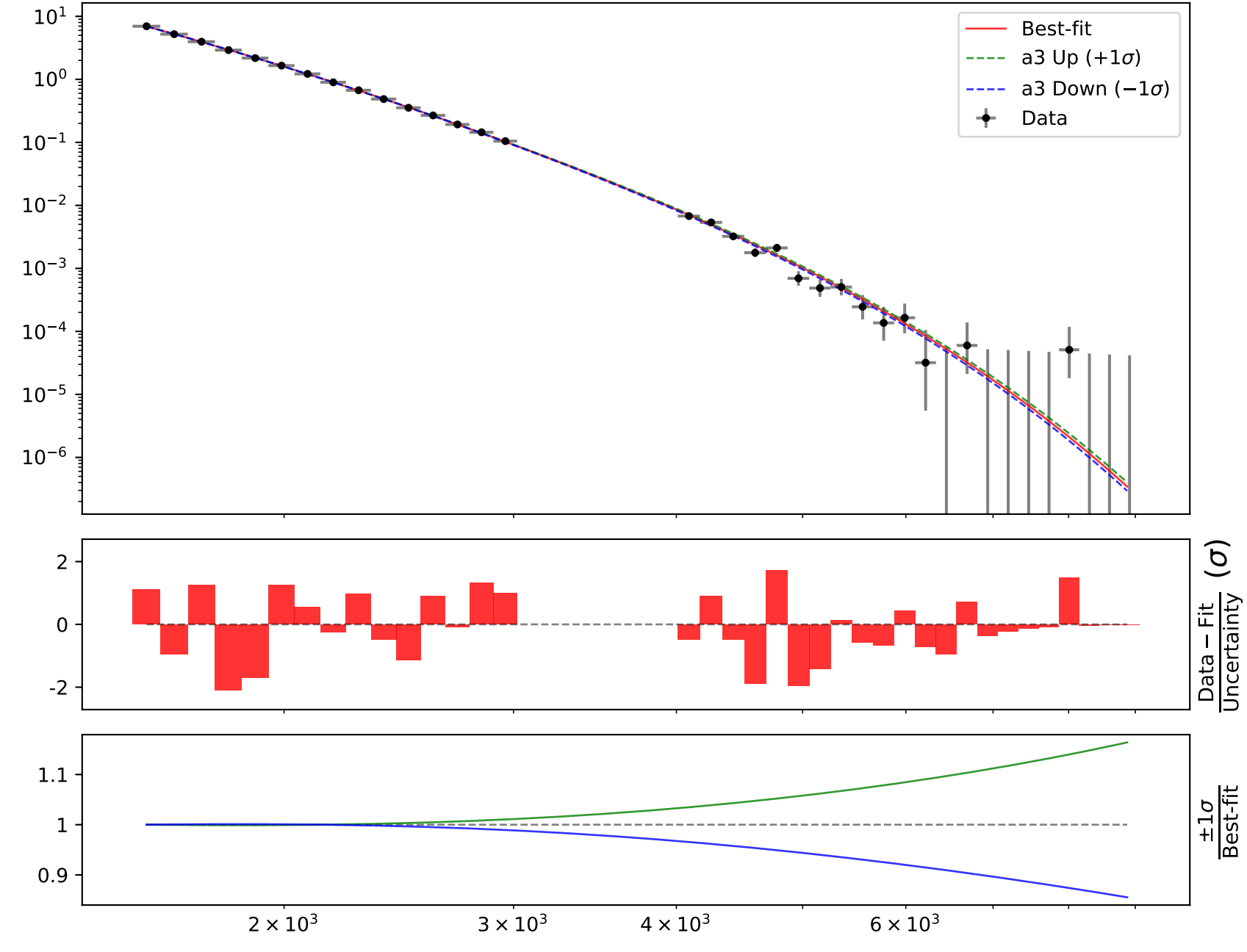
1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}$,

$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, $a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$

Candidate #14

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0

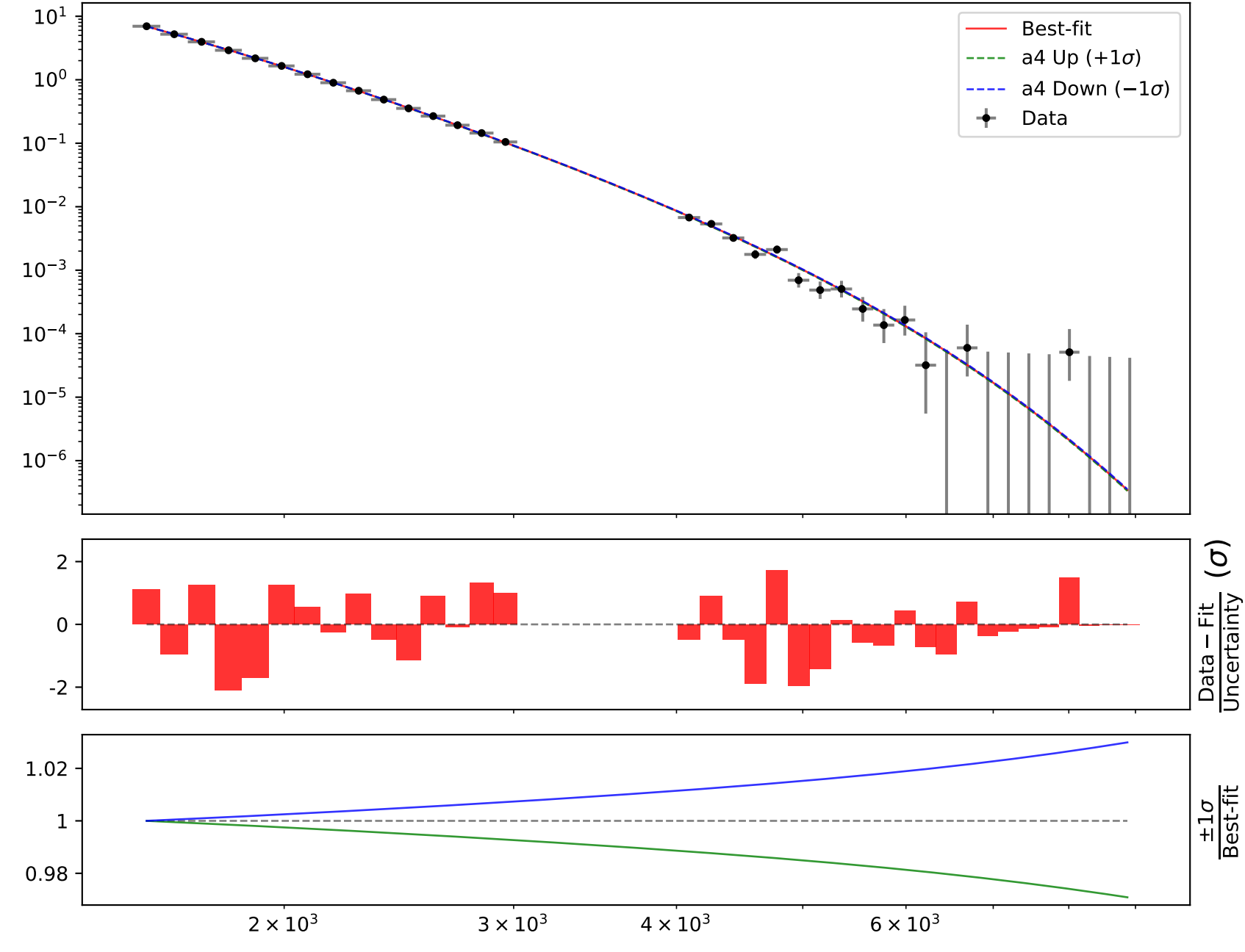


1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}$,
$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, **$a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$**

Candidate #14

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0



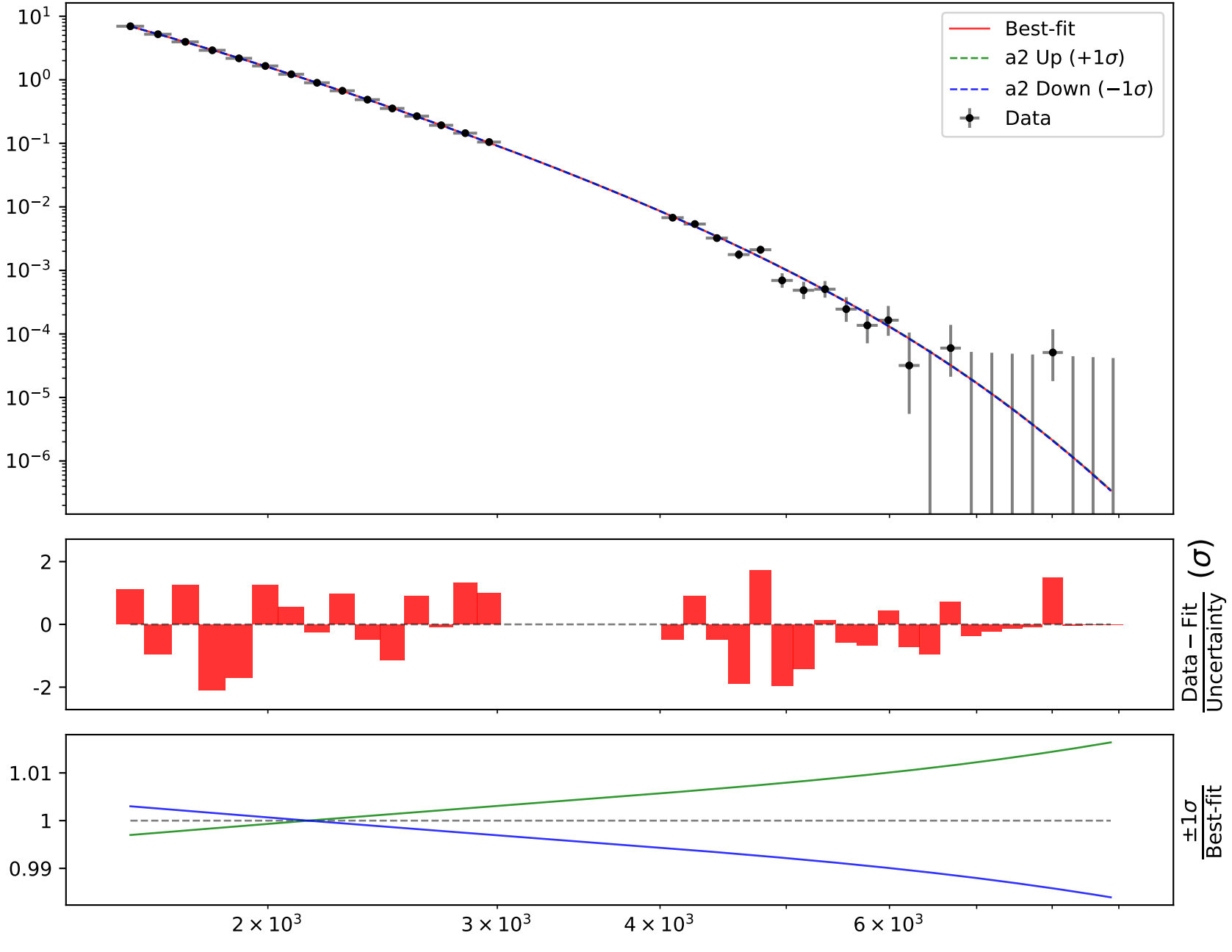
Candidate function #13

1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $\mathbf{a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}}$,
$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, $a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$

Candidate #13

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0



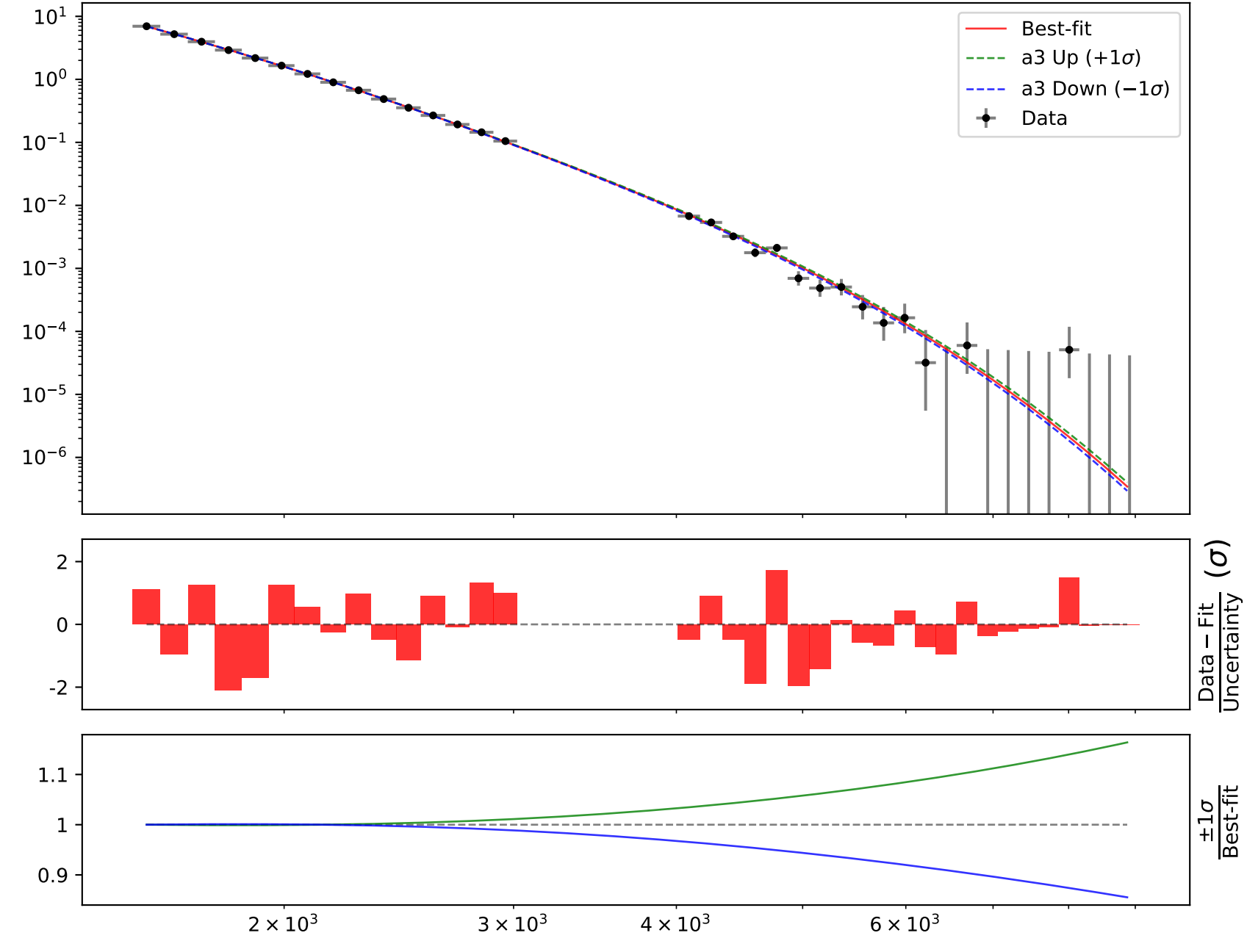
1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}$,

$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, $a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$

Candidate #13

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0

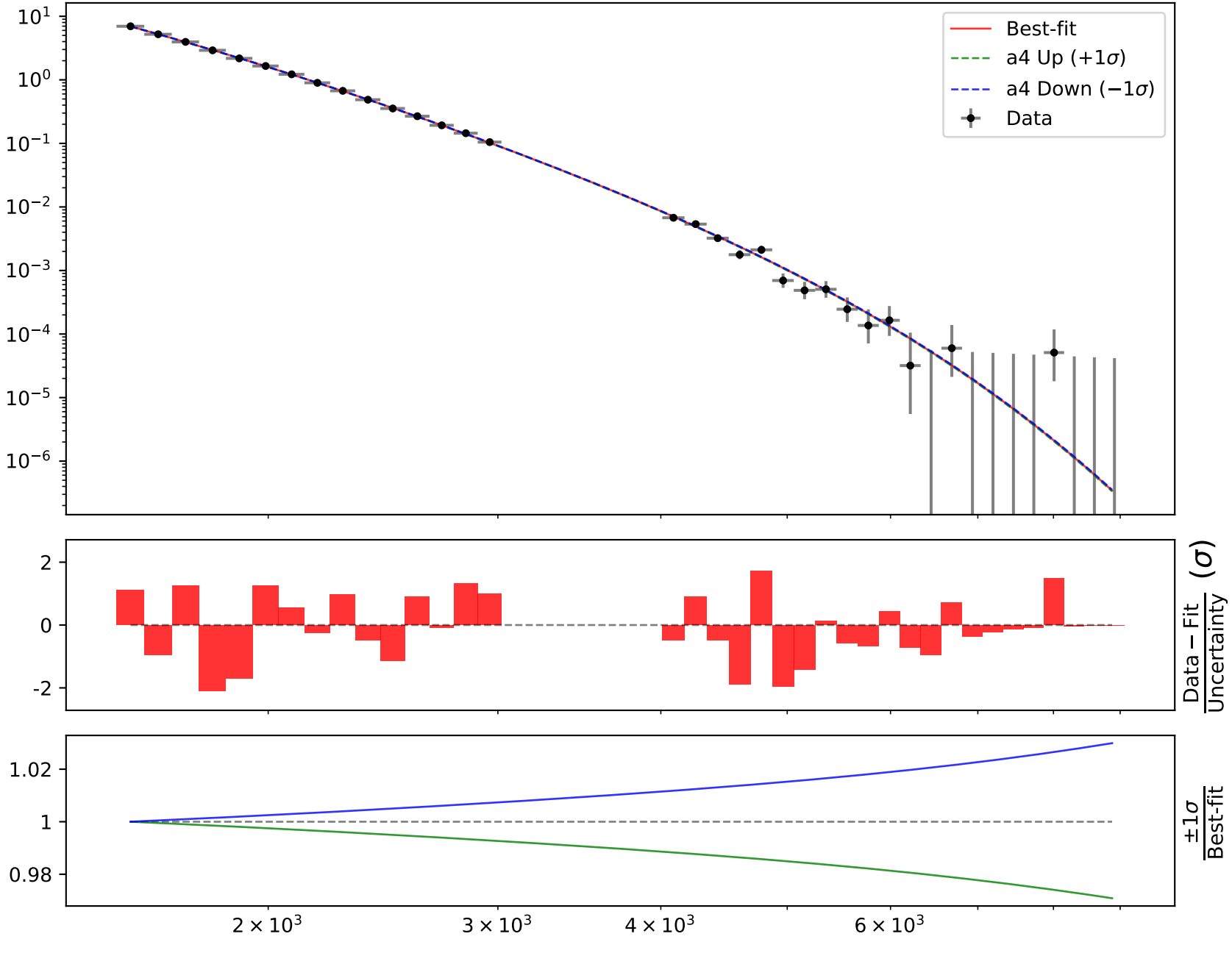


1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000136221)))**(a1 + a4*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.855$, $a2 = 0.103779^{+0.0003662(0.353\%)}_{-0.0003641(0.351\%)}$,
$a3 = 0.124394^{+0.003574(2.87\%)}_{-0.003621(2.91\%)}$, **$a4 = 10.8452^{+0.01984(0.183\%)}_{-0.01977(0.182\%)}$**

Candidate #13

χ^2/NDF = 37.73/34, RMSE = 0.01006, R2 = 1.0



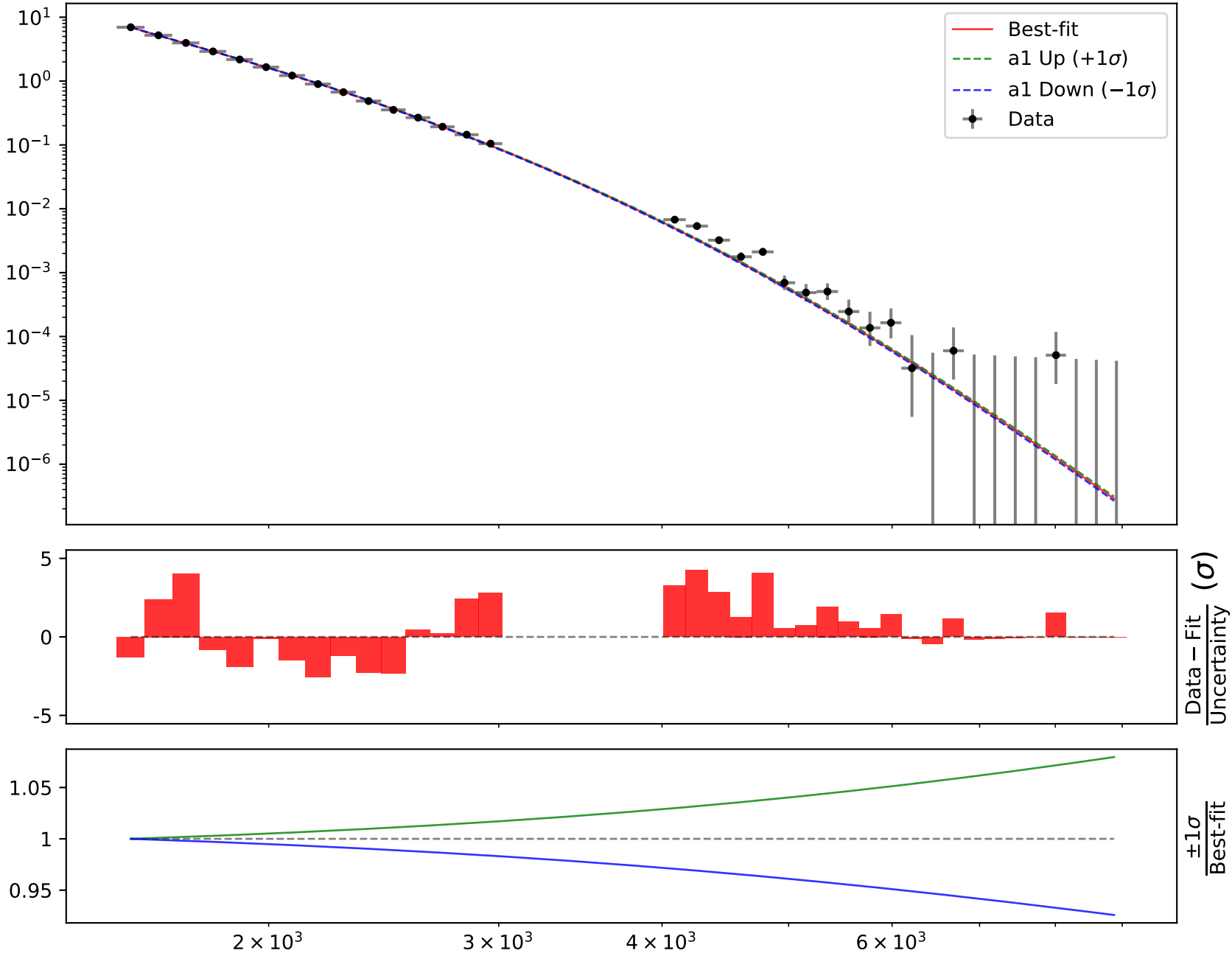
Candidate function #12

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

a1 = 6.19072e − 05 $^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}$, a2 = 6.99945 $^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}$

Candidate #12

χ^2/NDF = 129.2/35, RMSE = 0.0176, R2 = 0.9999

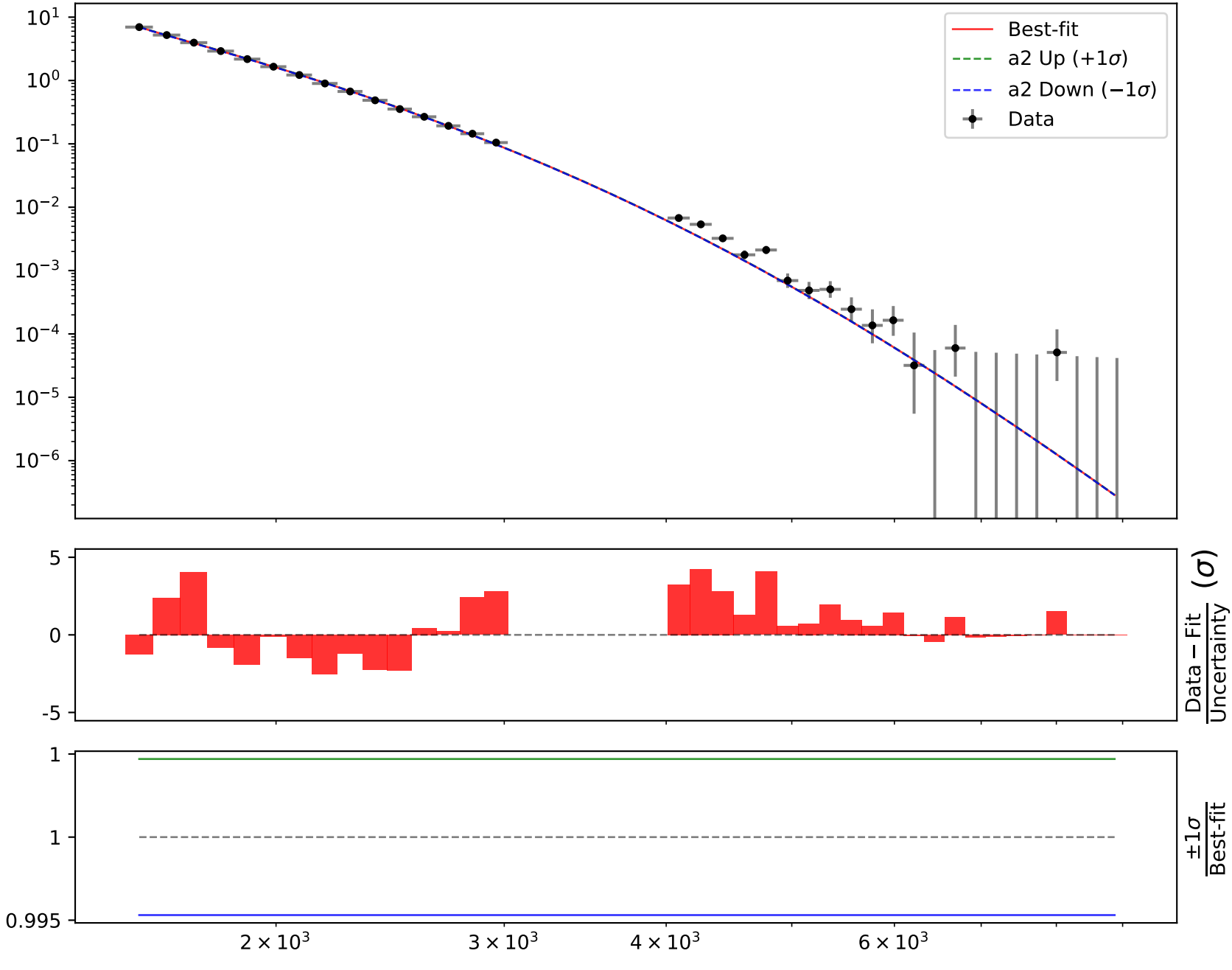


1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(((x0 - 1568.5) * 0.000136221) + tanh(((x0 - 1568.5) * 0.000136221))))

$a1 = 6.19072e-05^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}$, $\mathbf{a2 = 6.99945^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}}$

Candidate #12

χ^2/NDF = 129.2/35, RMSE = 0.0176, R2 = 0.9999



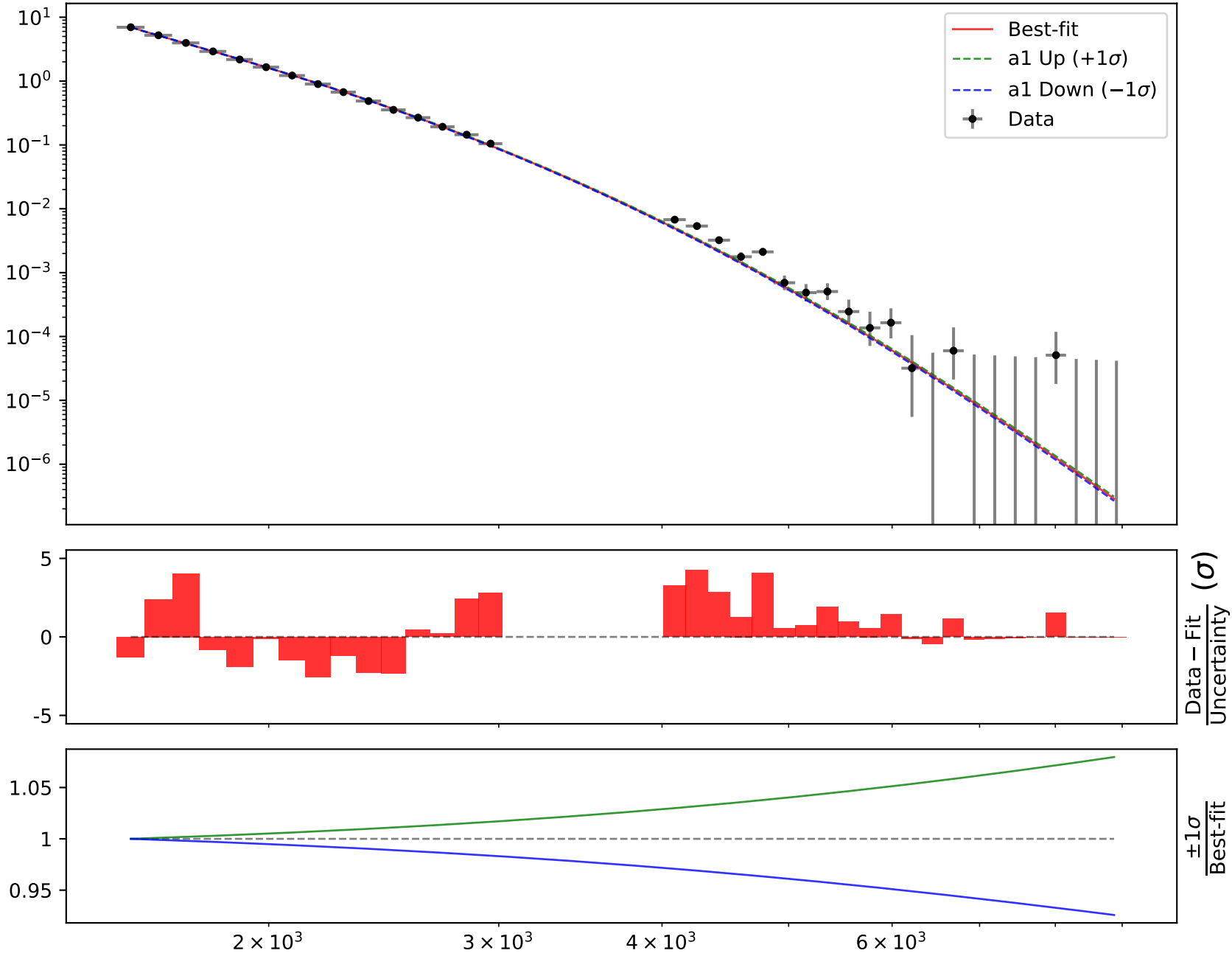
Candidate function #11

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

a1 = 6.19072e − 05 $^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}$, a2 = 6.99945 $^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}$

Candidate #11

χ^2/NDF = 129.2/35, RMSE = 0.0176, R2 = 0.9999

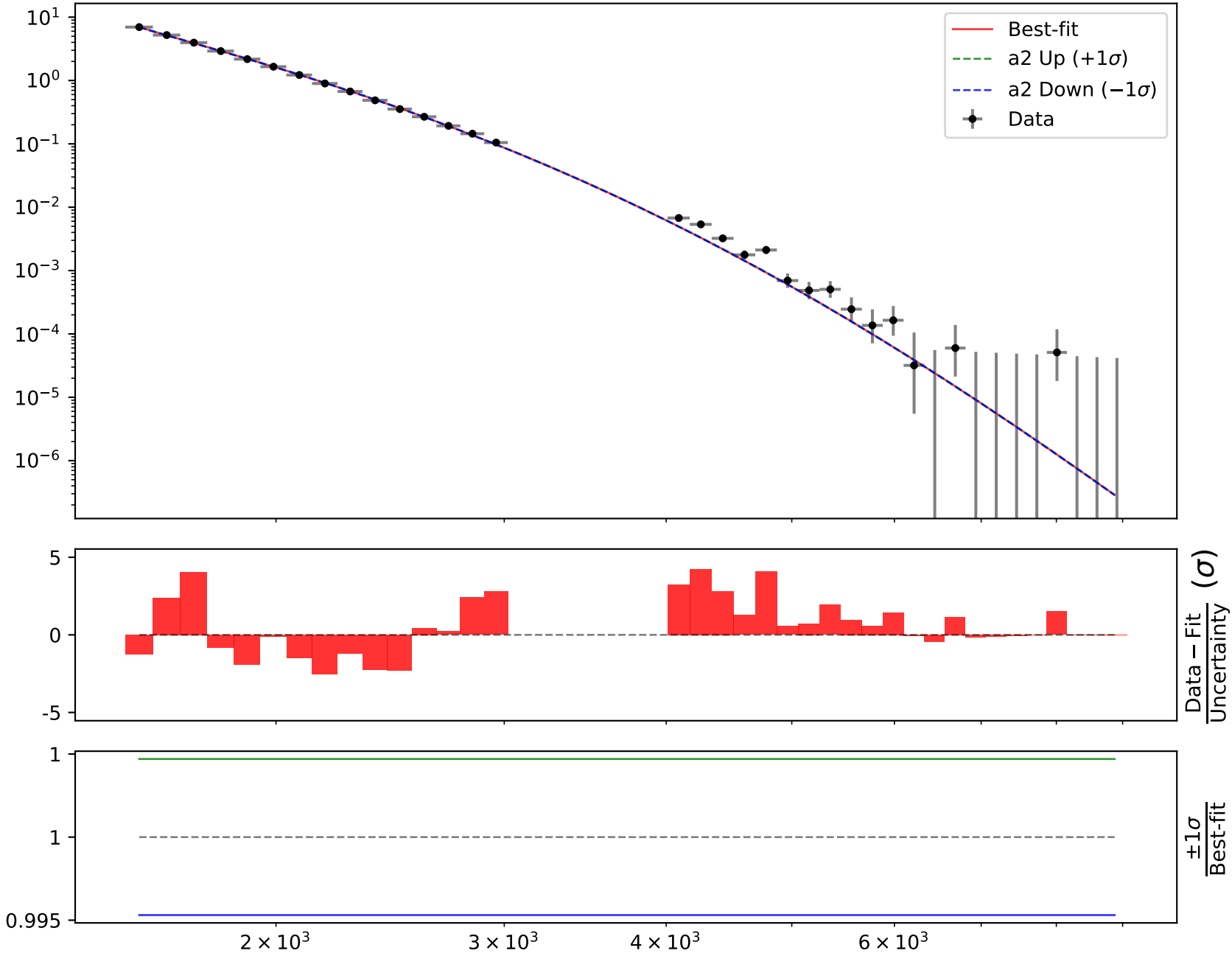


1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(((x0 - 1568.5) * 0.000136221) + tanh(((x0 - 1568.5) * 0.000136221))))

$a1 = 6.19072e-05^{+2.765e-06(4.47\%)}_{-2.661e-06(4.3\%)}$, $\mathbf{a2 = 6.99945^{+0.0329(0.47\%)}_{-0.03285(0.469\%)}}$

Candidate #11

χ^2/NDF = 129.2/35, RMSE = 0.0176, R2 = 0.9999



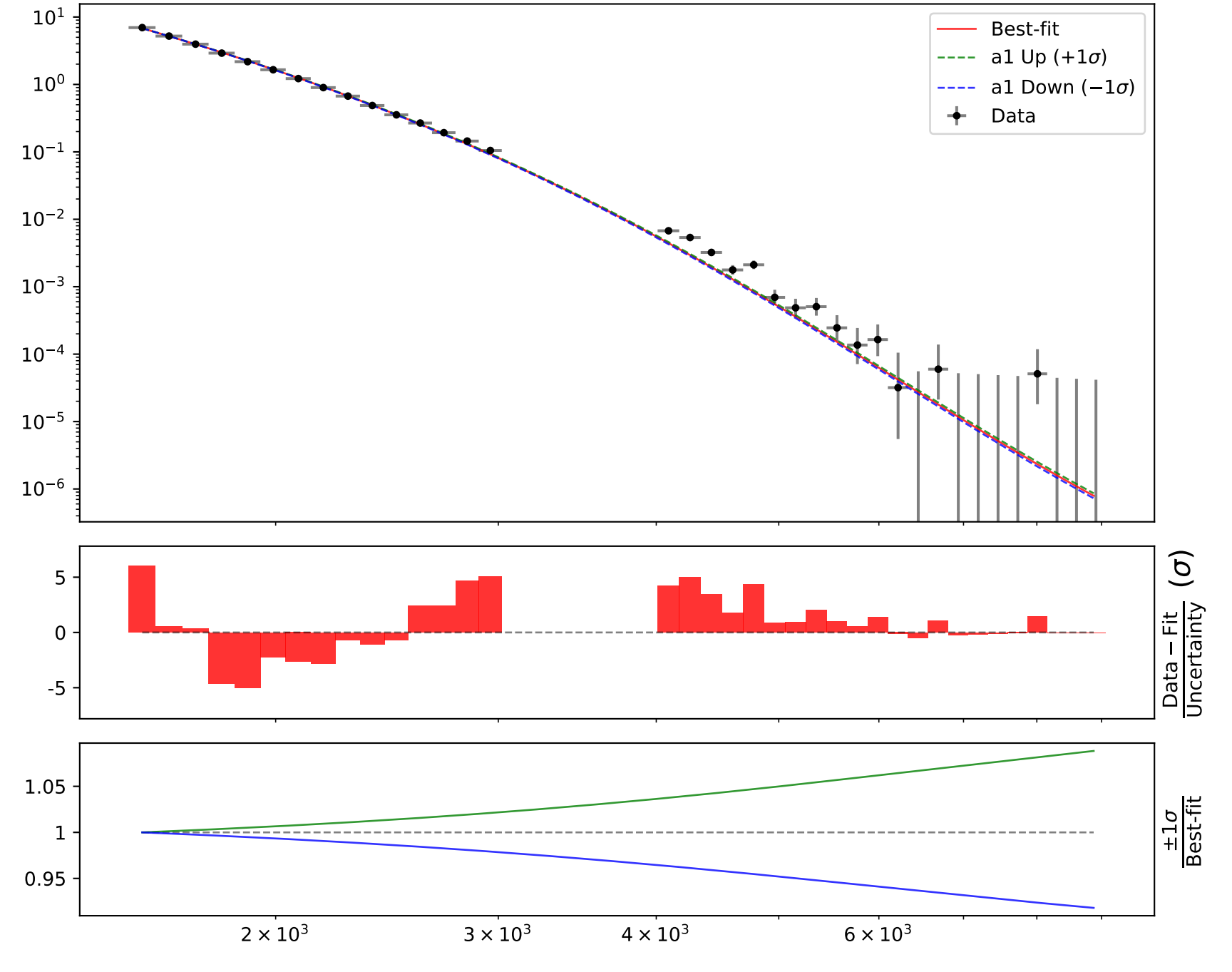
Candidate function #10

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

$\mathbf{a1 = 9.02811e-05^{+5.179e-06(5.74\%)}_{-4.944e-06(5.48\%)}}$, $a2 = 0.146799^{+0.001024(0.698\%)}_{-0.001013(0.69\%)}$

Candidate #10

χ^2/NDF = 254.2/35, RMSE = 0.03135, R2 = 0.9996

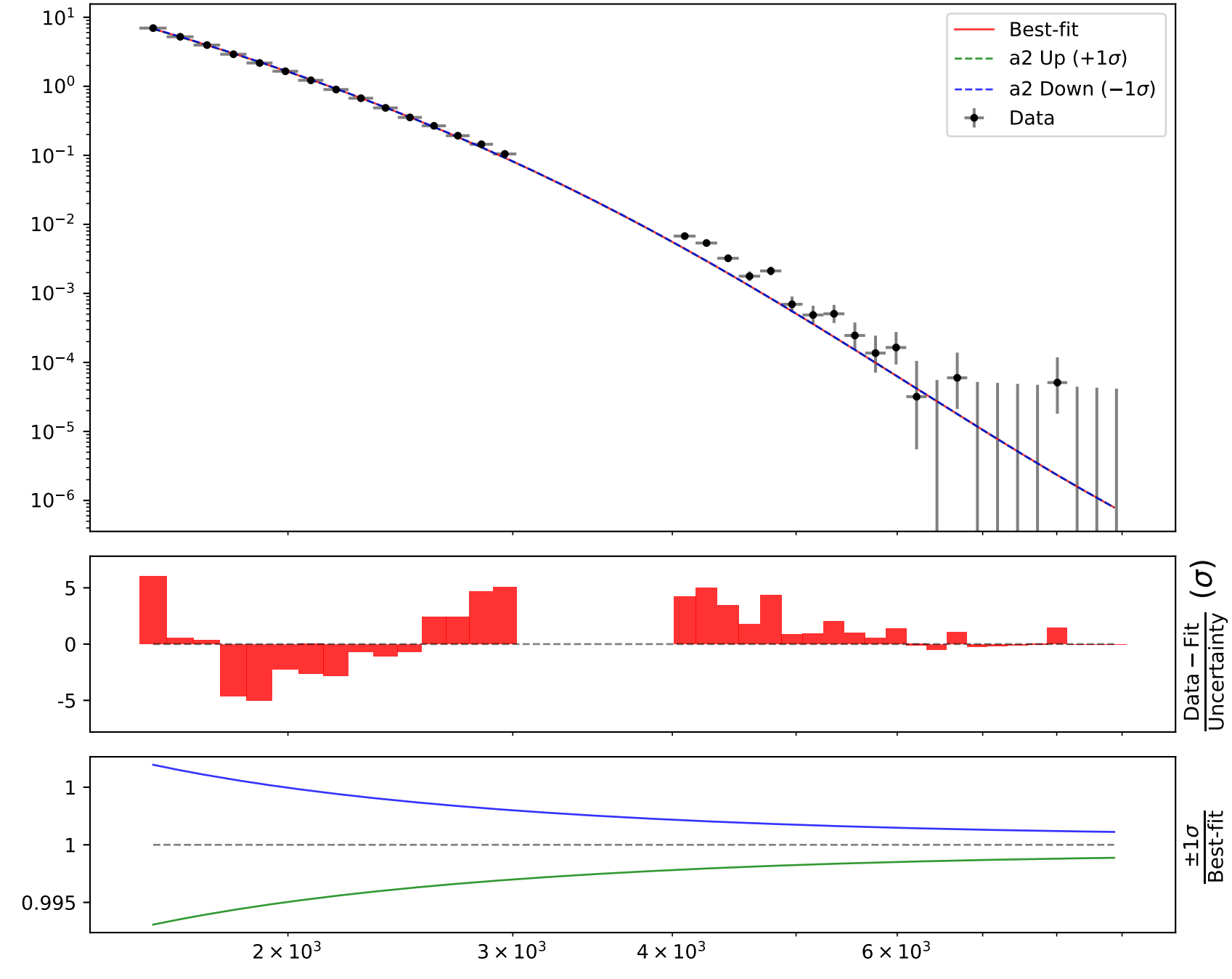


1.0*(a1**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + tanh(((x0 - 1568.5) * 0.000136221))))

$a1 = 9.02811e-05^{+5.179e-06(5.74\%)}_{-4.944e-06(5.48\%)}$, $\mathbf{a2 = 0.146799^{+0.001024(0.698\%)}_{-0.001013(0.69\%)}}$

Candidate #10

χ^2/NDF = 254.2/35, RMSE = 0.03135, R2 = 0.9996



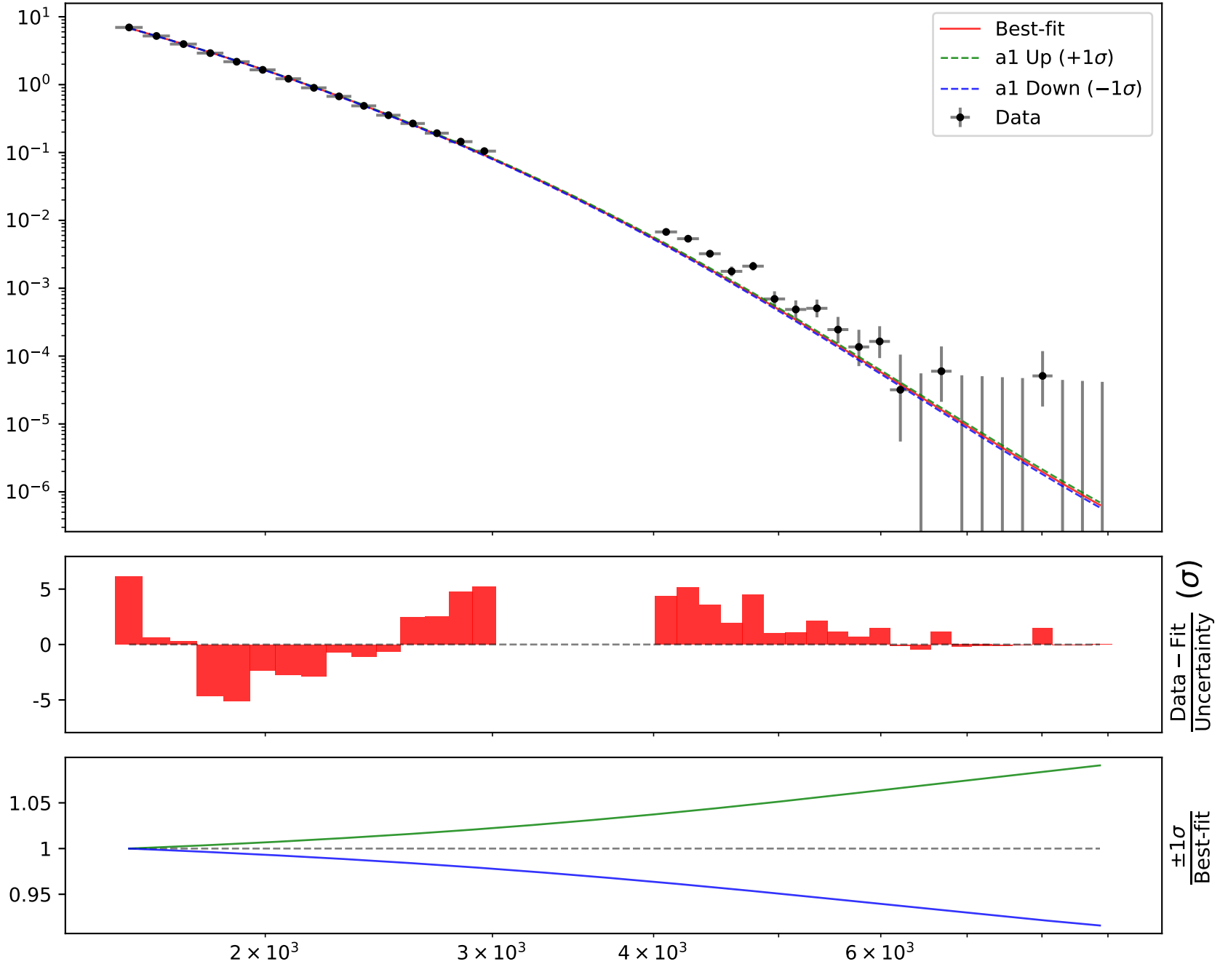
Candidate function #9

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

a1 = 9.1159e − 05 $^{+5.378e-06(5.9\%)}_{-5.126e-06(5.62\%)}$, a2 = 0.146856 $^{+0.001052(0.716\%)}_{-0.00104(0.708\%)}$

Candidate #9

χ^2/NDF = 267.4/35, RMSE = 0.03187, R2 = 0.9996

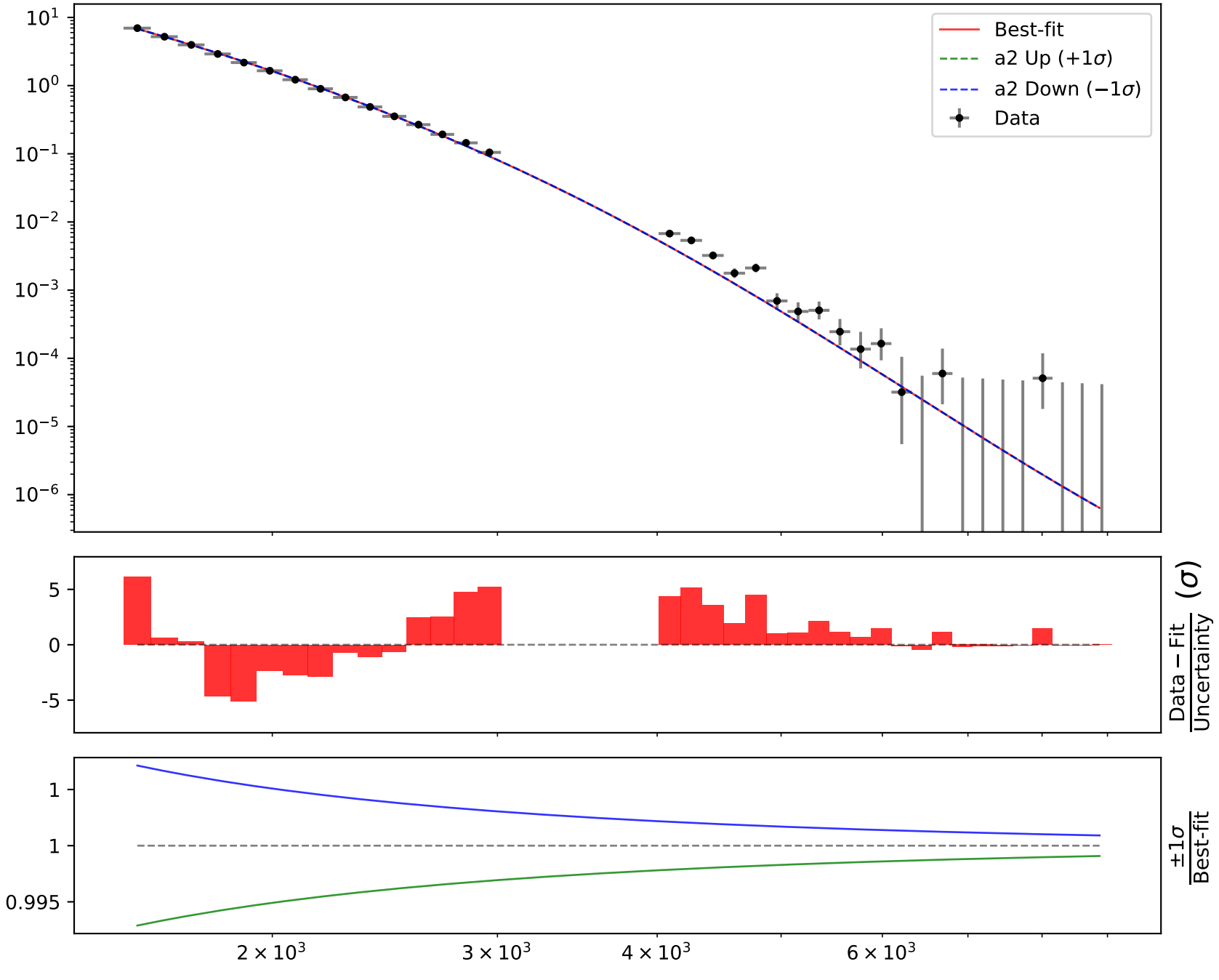


1.0*(a1**(2*tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 9.1159e-05^{+5.378e-06(5.9\%)}_{-5.126e-06(5.62\%)}$, $\mathbf{a2 = 0.146856^{+0.001052(0.716\%)}_{-0.00104(0.708\%)}}$

Candidate #9

χ^2/NDF = 267.4/35, RMSE = 0.03187, R2 = 0.9996



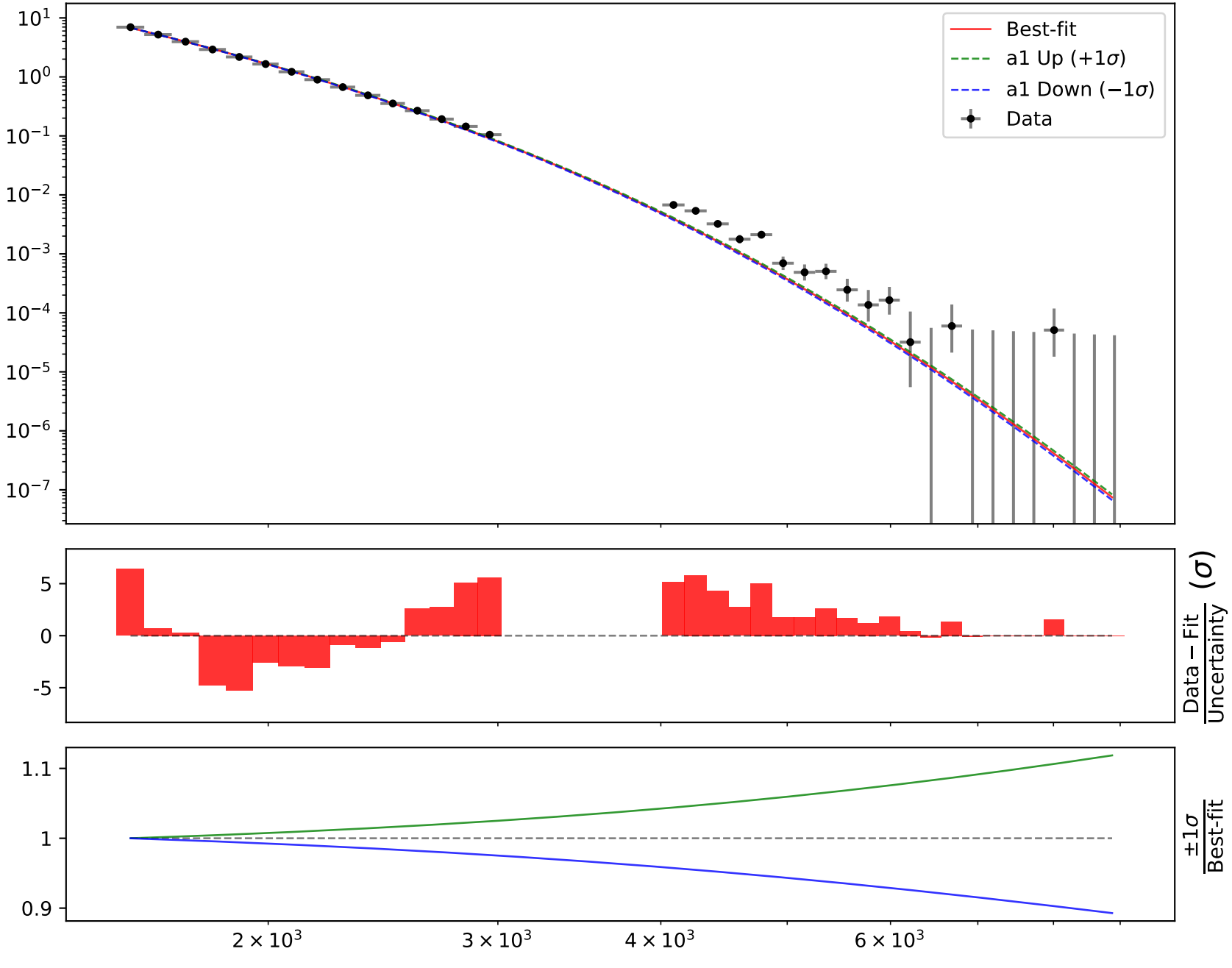
Candidate function #8

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

a1 = 9.35739e − 05 $^{+6.175e-06(6.6\%)}_{-5.852e-06(6.25\%)}$, a2 = 0.147023 $^{+0.001171(0.796\%)}_{-0.001156(0.787\%)}$

Candidate #8

χ^2/NDF = 328.6/35, RMSE = 0.03341, R2 = 0.9995

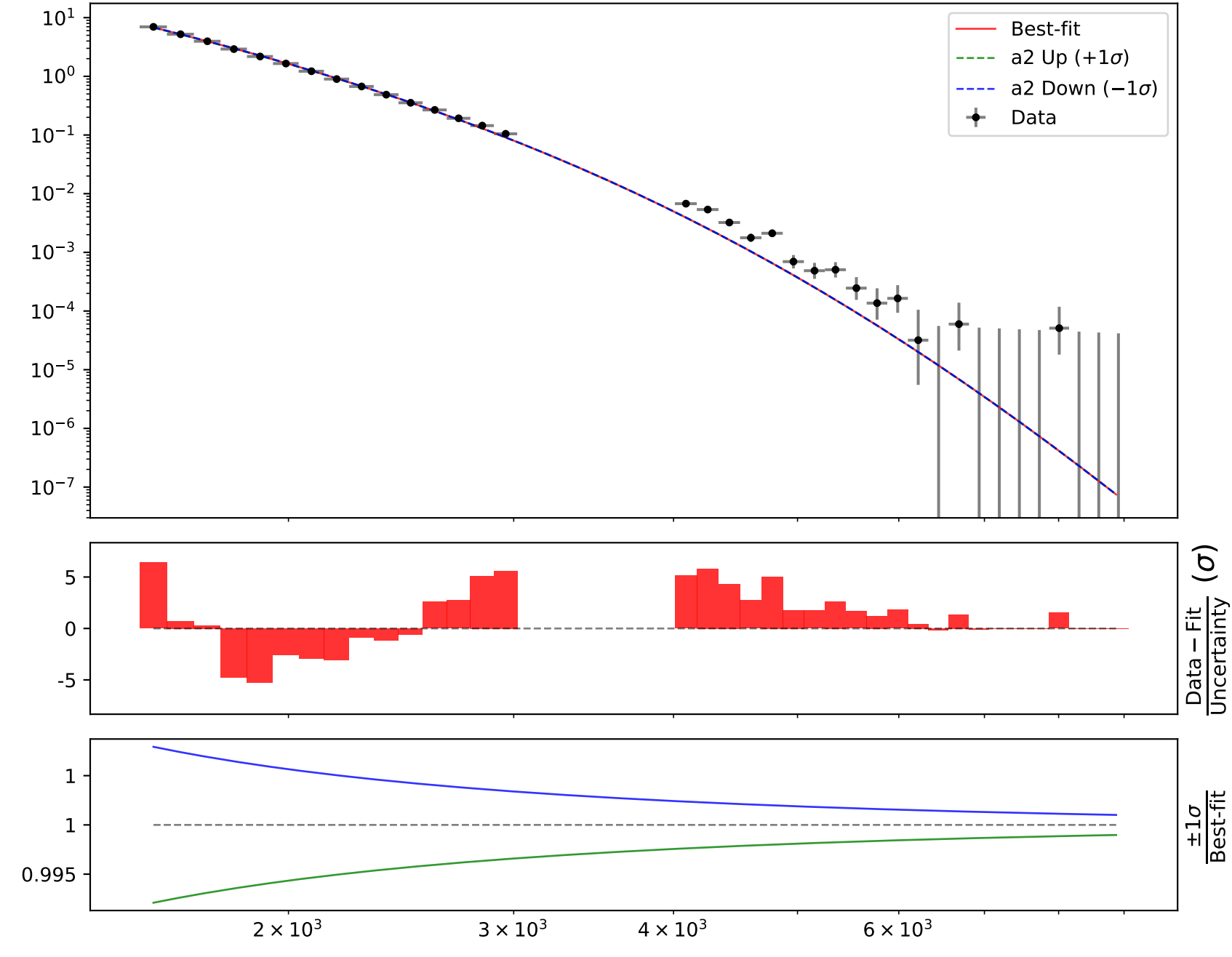


1.0*(a1**(((x0 - 1568.5) * 0.000136221) + tanh(((x0 - 1568.5) * 0.000136221)))/(a2 + ((x0 - 1568.5) * 0.000136221)))

$a1 = 9.35739e-05^{+6.175e-06(6.6\%)}_{-5.852e-06(6.25\%)}$, $\mathbf{a2 = 0.147023^{+0.001171(0.796\%)}_{-0.001156(0.787\%)}}$

Candidate #8

χ^2/NDF = 328.6/35, RMSE = 0.03341, R2 = 0.9995



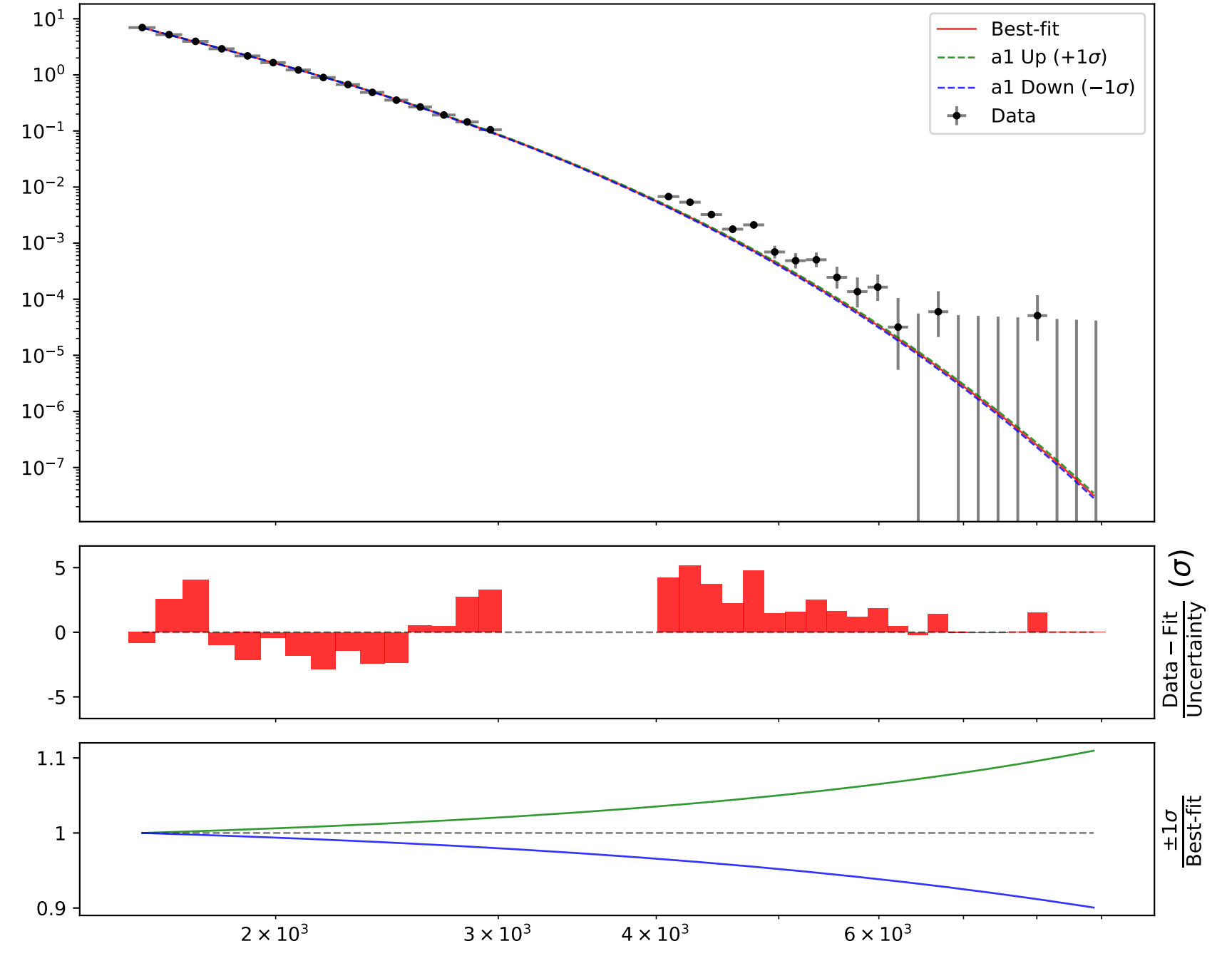
Candidate function #7

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

a1 = 6.44003e − 05 $^{+3.456e-06(5.37\%)}_{-3.302e-06(5.13\%)}$, a2 = $6.98797^{+0.03912(0.56\%)}_{-0.03904(0.559\%)}$

Candidate #7

χ^2/NDF = 181.6/35, RMSE = 0.01789, R2 = 0.9999

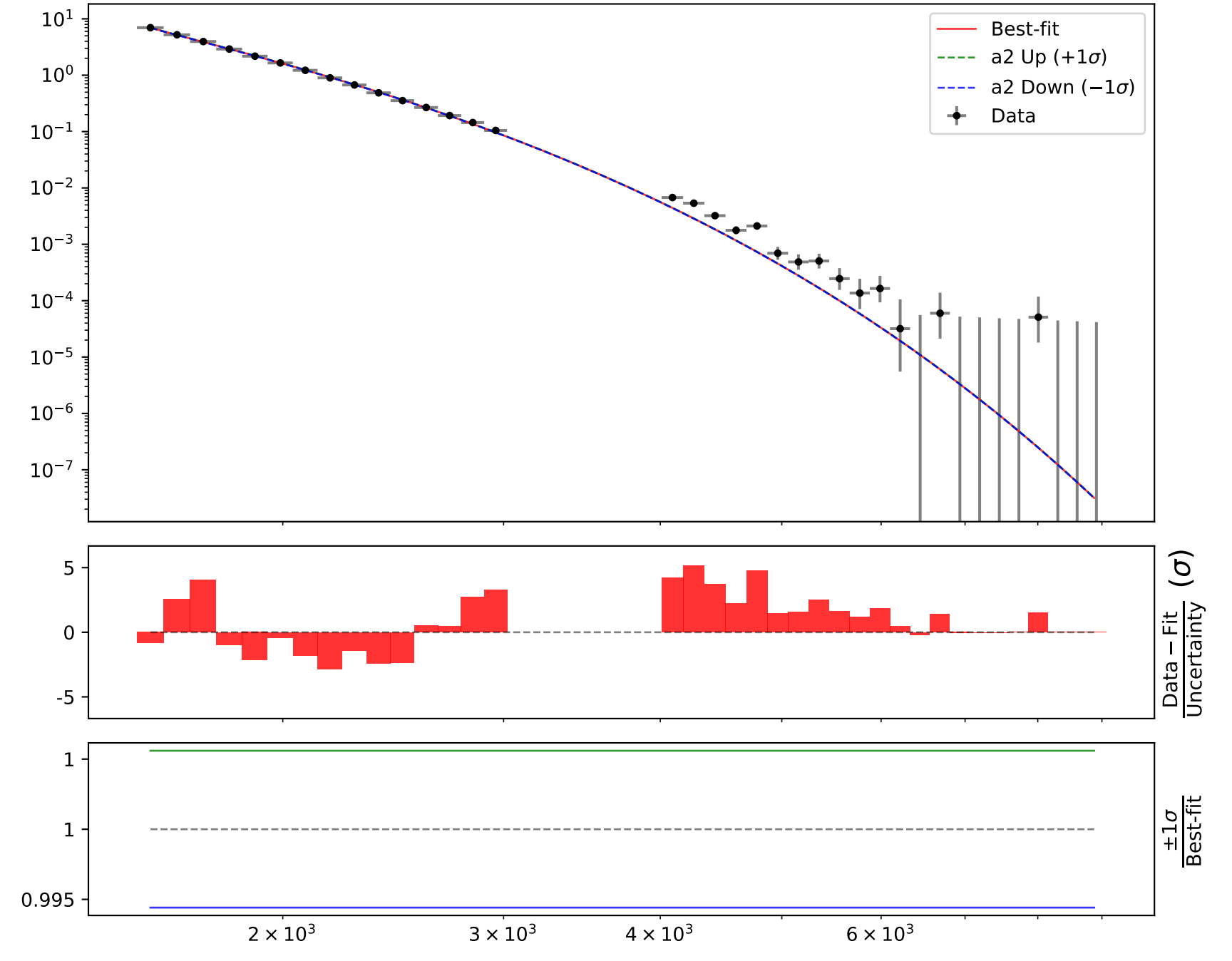


1.0*(a2*(a1*((x0 - 1568.5) * 0.000136221))**(2*((x0 - 1568.5) * 0.000136221)))

$a1 = 6.44003e-05^{+3.456e-06(5.37\%)}_{-3.302e-06(5.13\%)}$, **$a2 = 6.98797^{+0.03912(0.56\%)}_{-0.03904(0.559\%)}$**

Candidate #7

χ^2/NDF = 181.6/35, RMSE = 0.01789, R2 = 0.9999

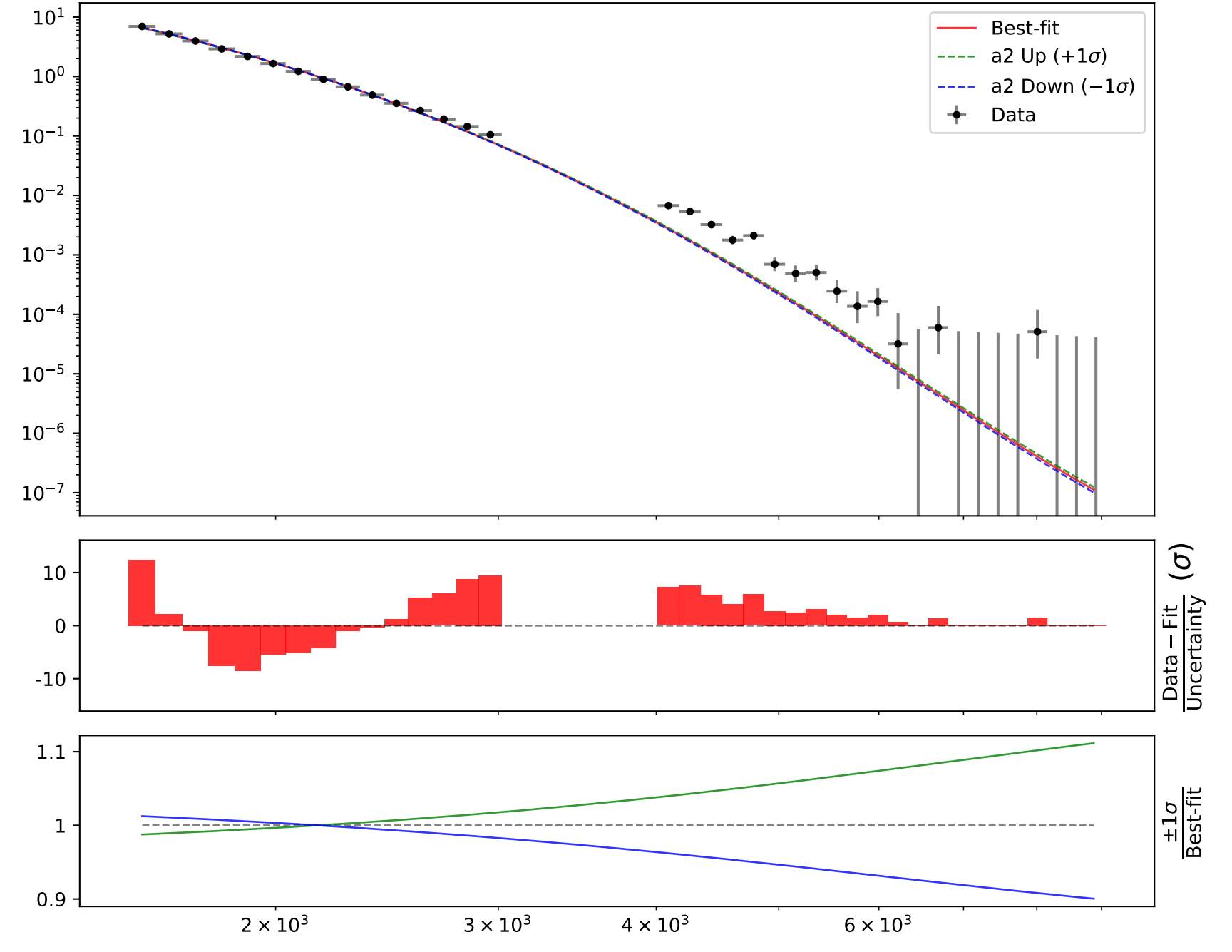


Candidate function #6

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

$a1 = -0.867$, $\mathbf{a2 = 0.112493^{+0.001635(1.45\%)}_{-0.001599(1.42\%)}}$,
$a3 = 10.787^{+0.08067(0.748\%)}_{-0.07934(0.736\%)}$

Candidate #6
χ^2/NDF = 830.9/35, RMSE = 0.06185, R2 = 0.9984



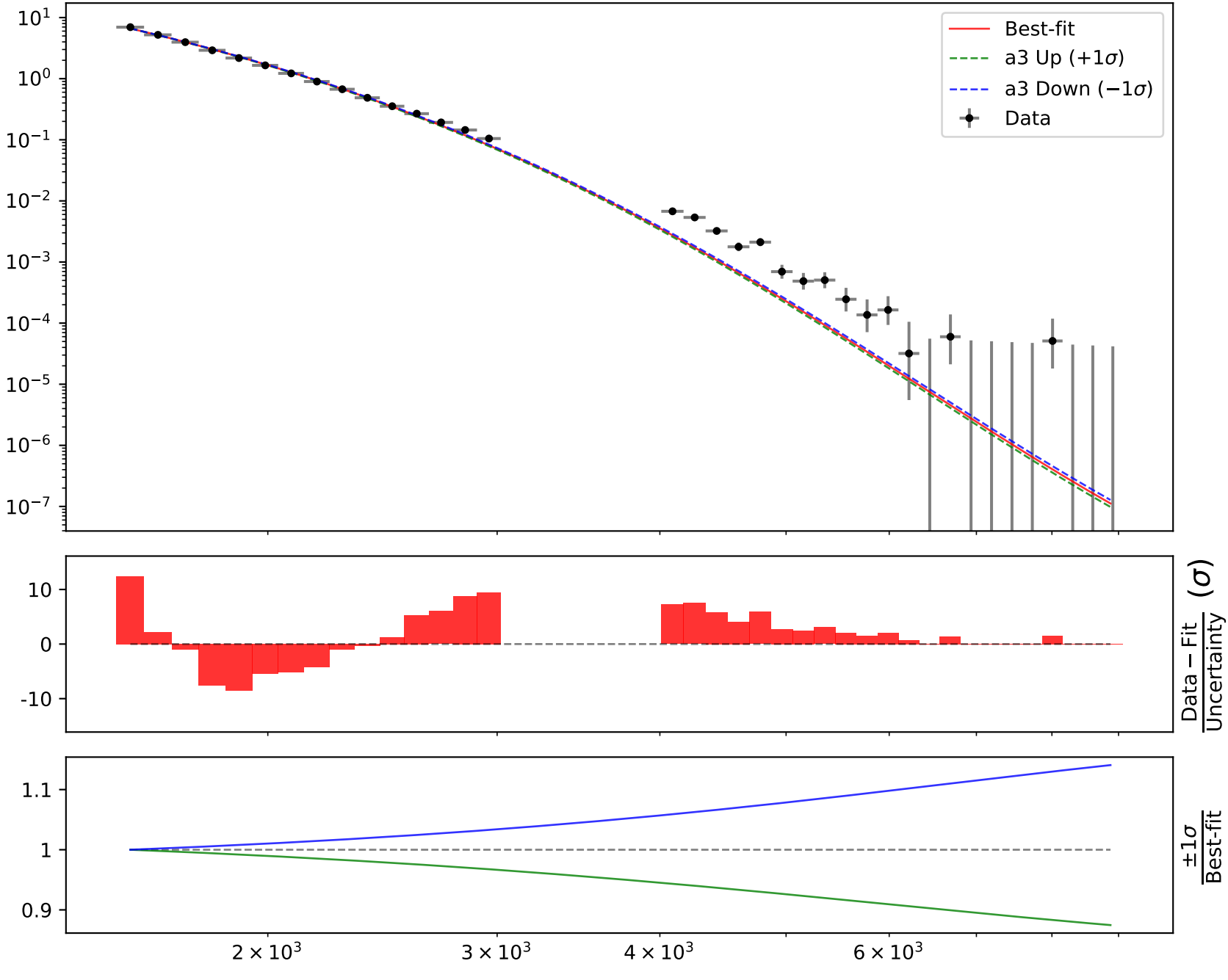
1.0*(a2**(a1 + a3*tanh(((x0 - 1568.5) * 0.000136221))))

$a1 = -0.867$, $a2 = 0.112493^{+0.001635(1.45\%)}_{-0.001599(1.42\%)}$,

$a3 = 10.787^{+0.08067(0.748\%)}_{-0.07934(0.736\%)}$

Candidate #6

χ^2/NDF = 830.9/35, RMSE = 0.06185, R2 = 0.9984

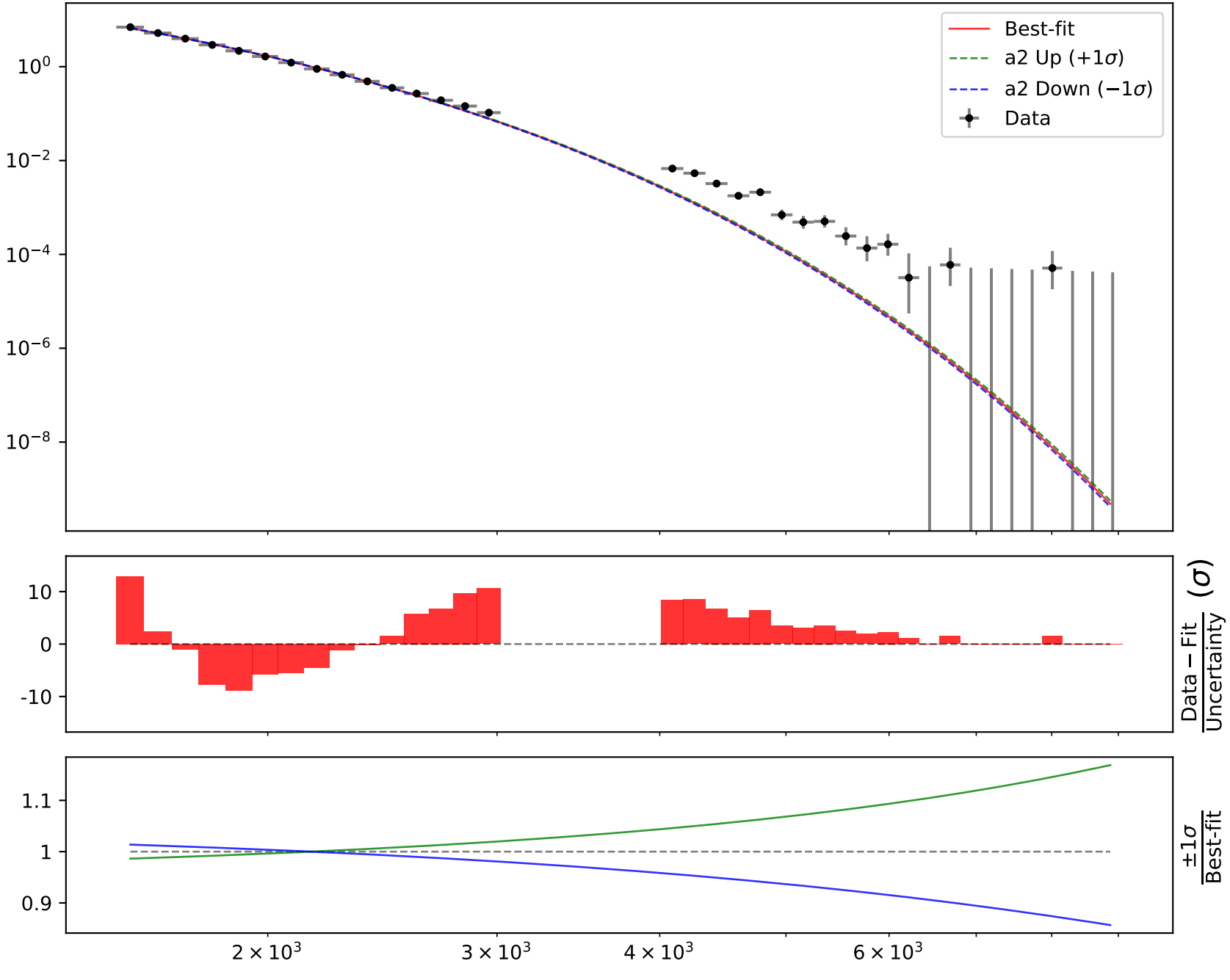


Candidate function #5

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

$a1 = -0.867$, $\mathbf{a2 = 0.112745^{+0.001804(1.6\%)}_{-0.00176(1.56\%)}}$,
$a3 = 10.7494^{+0.08893(0.827\%)}_{-0.08735(0.813\%)}$

Candidate #5
χ^2/NDF = 999.7/35, RMSE = 0.06455, R2 = 0.9983



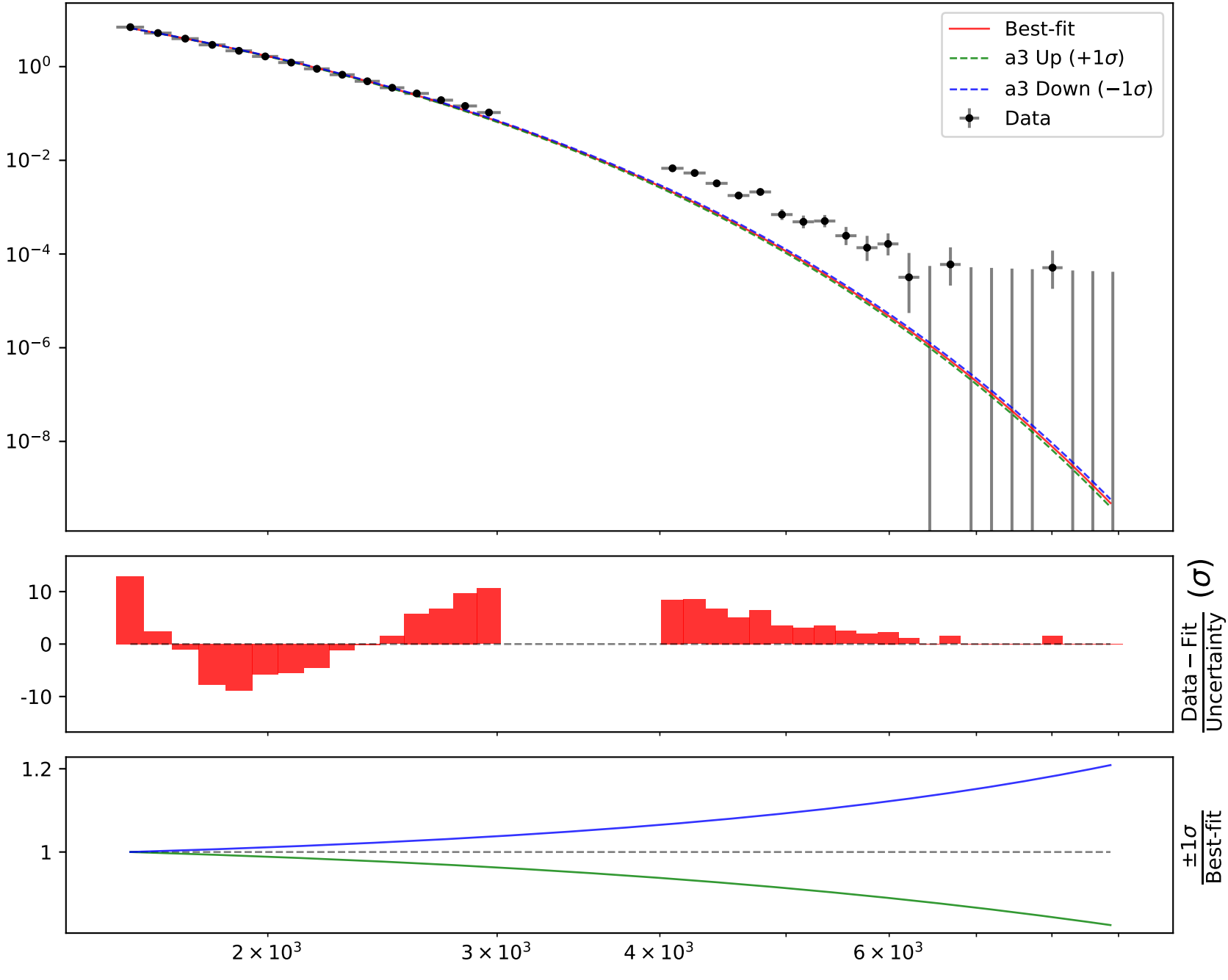
1.0*(a2**(a1 + a3*((x0 - 1568.5) * 0.000136221)))

$a1 = -0.867$, $a2 = 0.112745^{+0.001804(1.6\%)}_{-0.00176(1.56\%)}$,

$a3 = 10.7494^{+0.08893(0.827\%)}_{-0.08735(0.813\%)}$

Candidate #5

χ^2/NDF = 999.7/35, RMSE = 0.06455, R2 = 0.9983



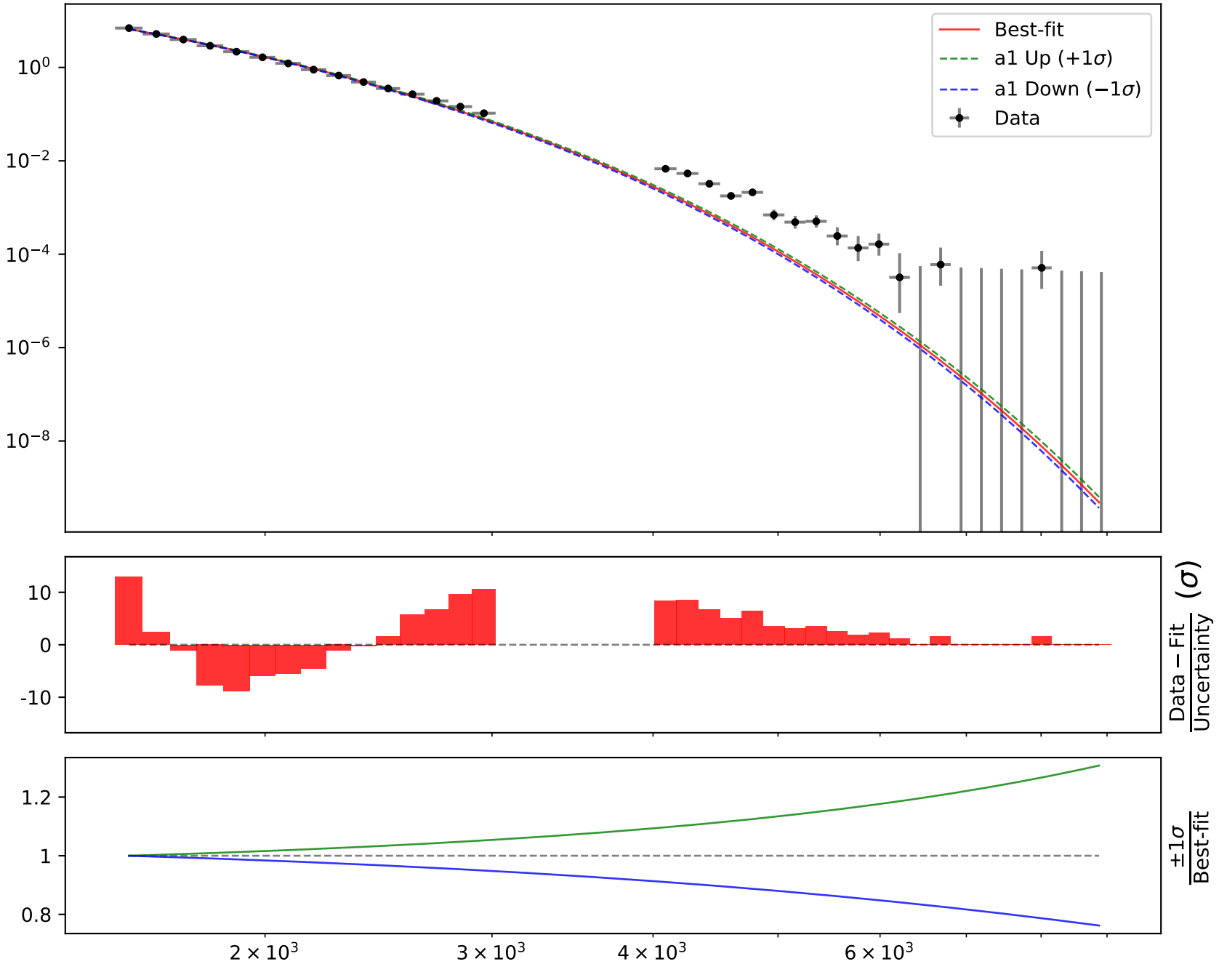
Candidate function #4

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

a1 = $-23.4619^{+0.2694(1.15\%)}_{-0.2731(1.16\%)}$, a2 = $6.63485^{+0.09112(1.37\%)}_{-0.09069(1.37\%)}$

Candidate #4

χ^2/NDF = 999.7/35, RMSE = 0.06456, R2 = 0.9983

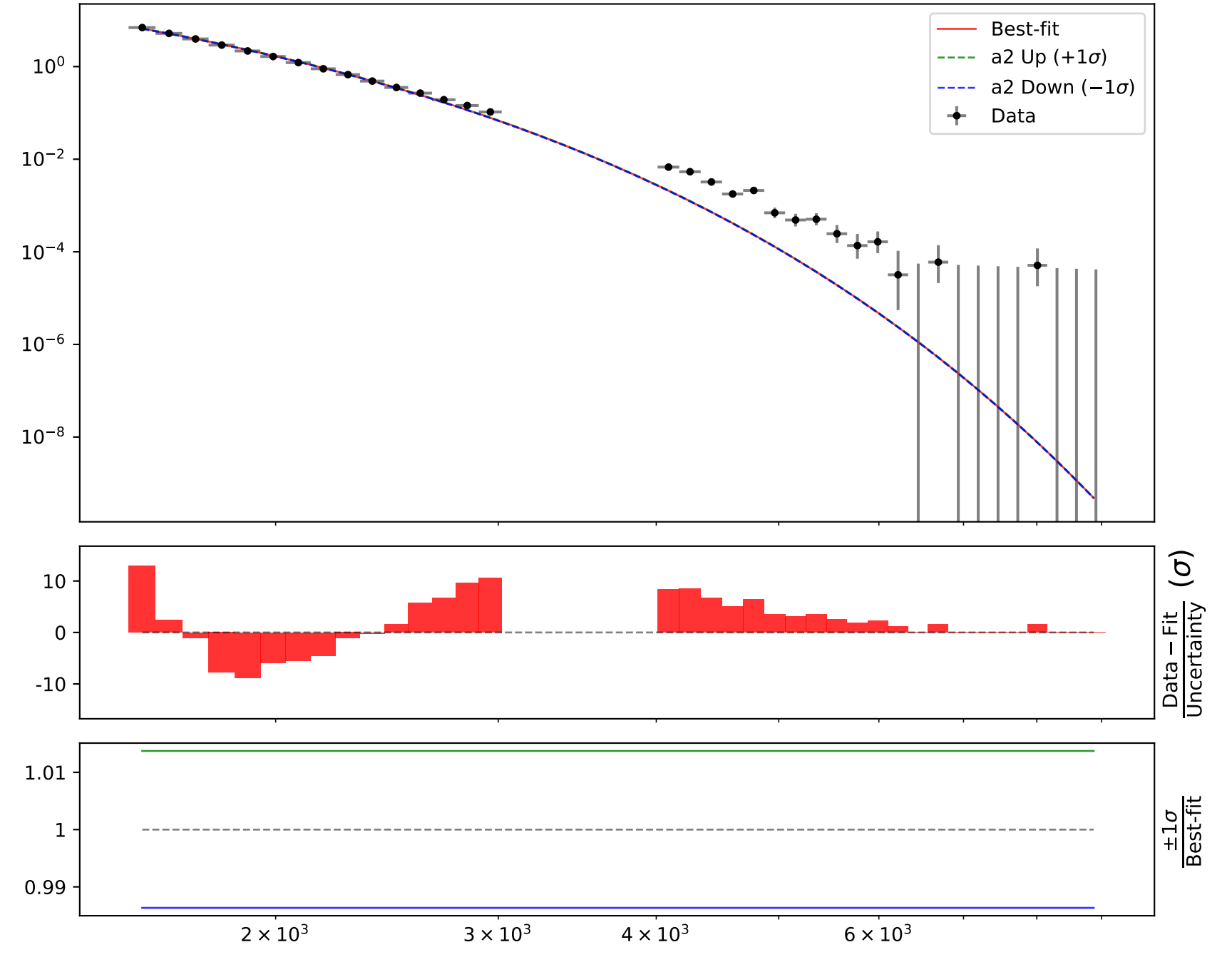


1.0*(a2*exp(a1*((x0 - 1568.5) * 0.000136221)))

$a1 = -23.4619^{+0.2694(1.15\%)}_{-0.2731(1.16\%)}$, $\mathbf{a2 = 6.63485^{+0.09112(1.37\%)}_{-0.09069(1.37\%)}}$

Candidate #4

χ^2/NDF = 999.7/35, RMSE = 0.06456, R2 = 0.9983



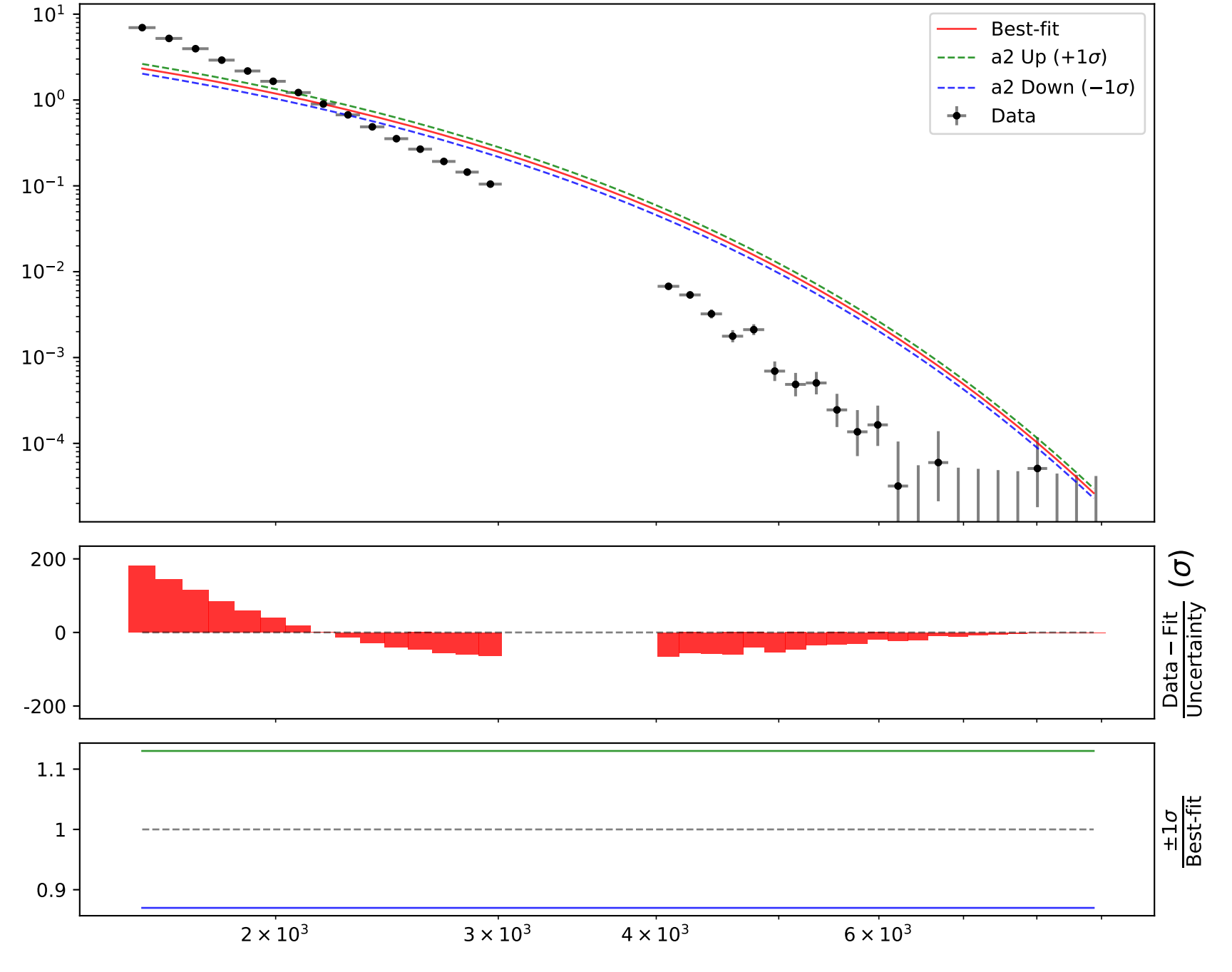
Candidate function #3

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

$a1 = 1.07e-05$, $\mathbf{a2 = 2.3289^{+0.303(13.0\%)}_{-0.303(13.0\%)}}$

Candidate #3

χ^2/NDF = 120300.0/36, RMSE = 1.025, R2 = 0.5707



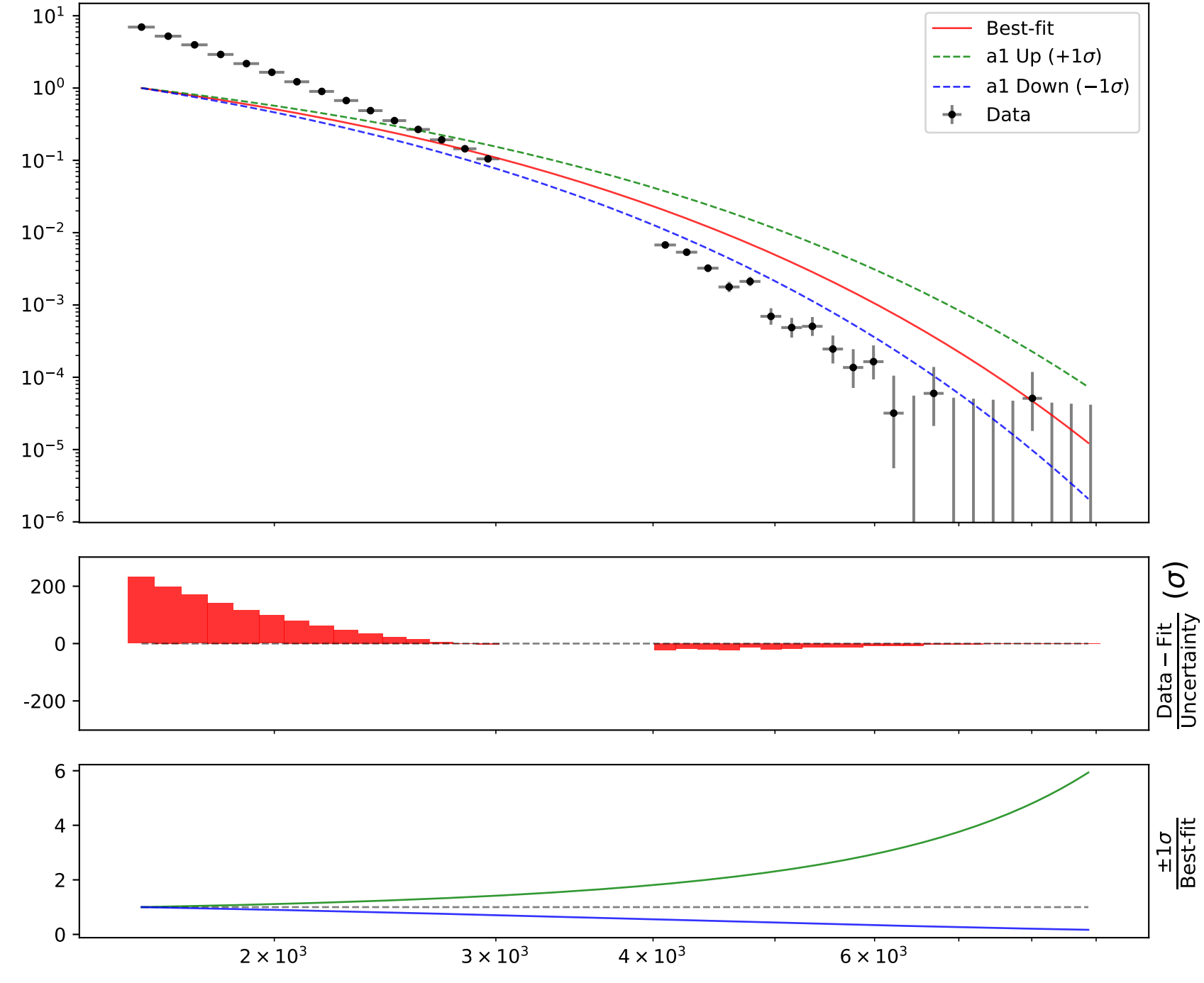
Candidate function #2

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

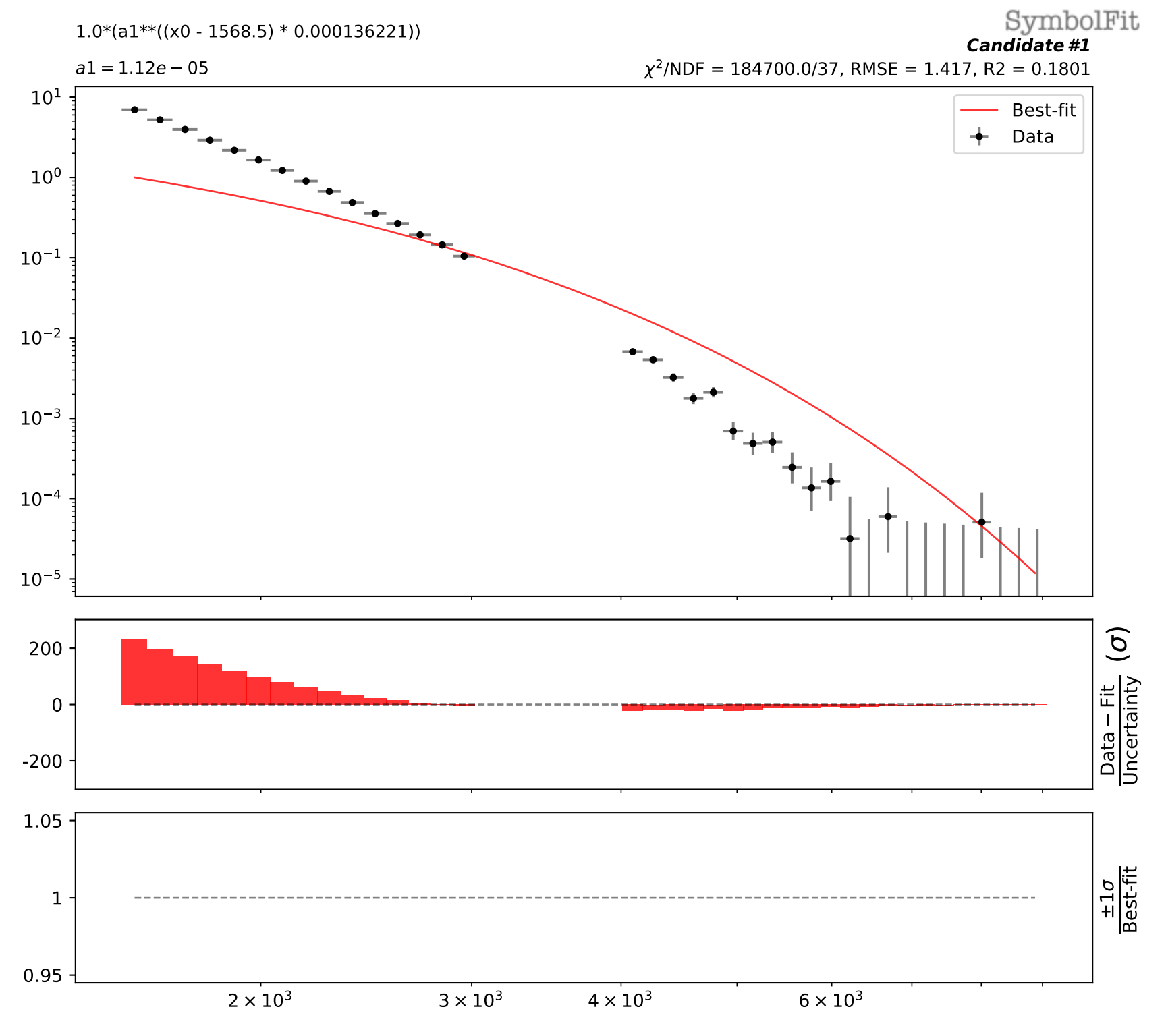
Candidate #2

a1 = $-11.361^{+1.79(15.8\%)}_{-1.79(15.8\%)}$

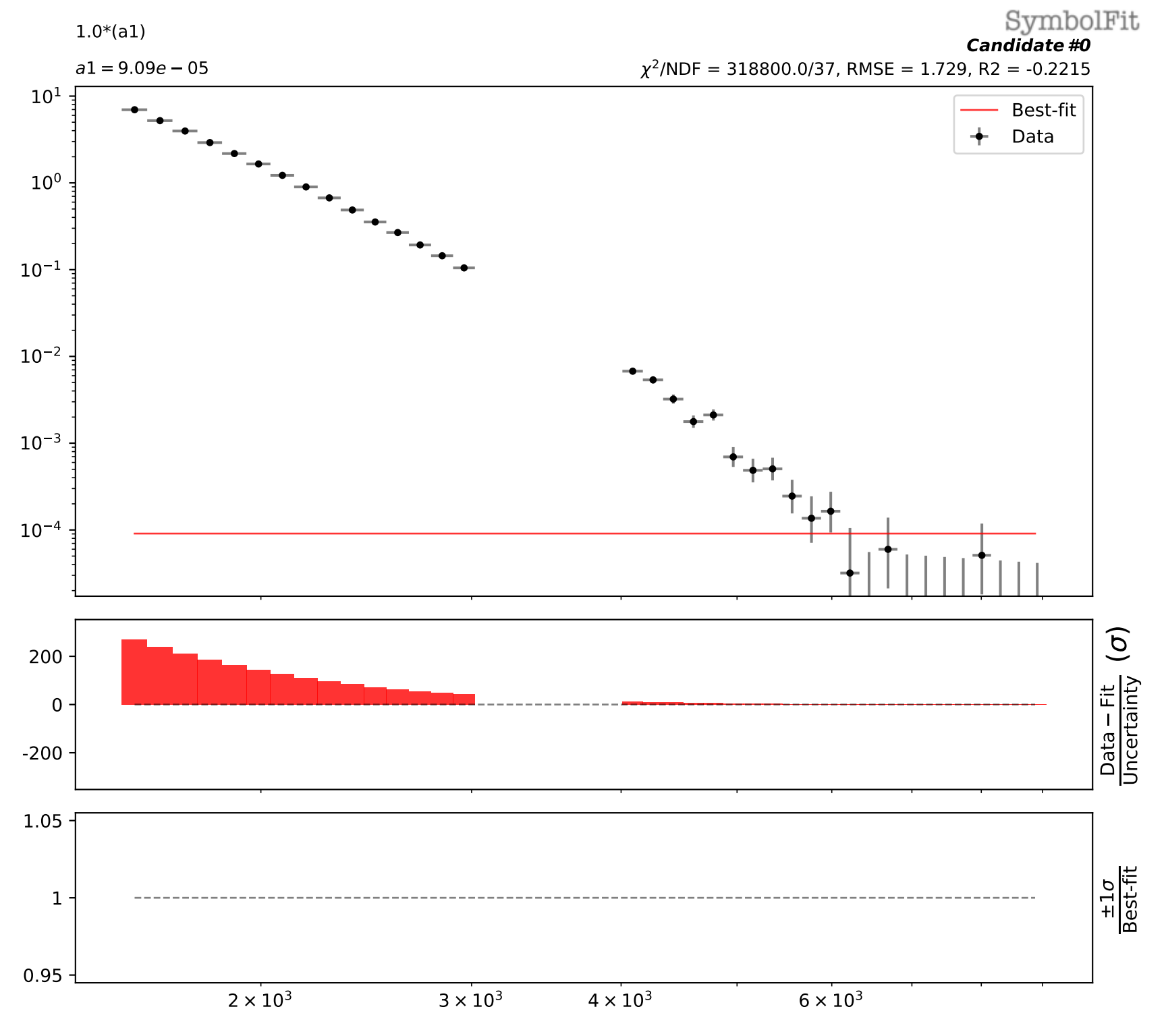
χ^2/NDF = 184700.0/36, RMSE = 1.416, R2 = 0.1804



Candidate function #1


SymbolFit
1.0*(a1**((x0 - 1568.5) * 0.000136221))
Candidate #1
a1 = 1.12e − 05
χ²/NDF = 184700.0/37, RMSE = 1.417, R2 = 0.1801
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
$a1 = 9.09e-05$
χ^2/NDF = 318800.0/37, RMSE = 1.729, R2 = -0.2215
Best-fit
Data
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
200
0
-200
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ / Best-fit
2×10^3
3×10^3
4×10^3
6×10^3