Candidate function #11

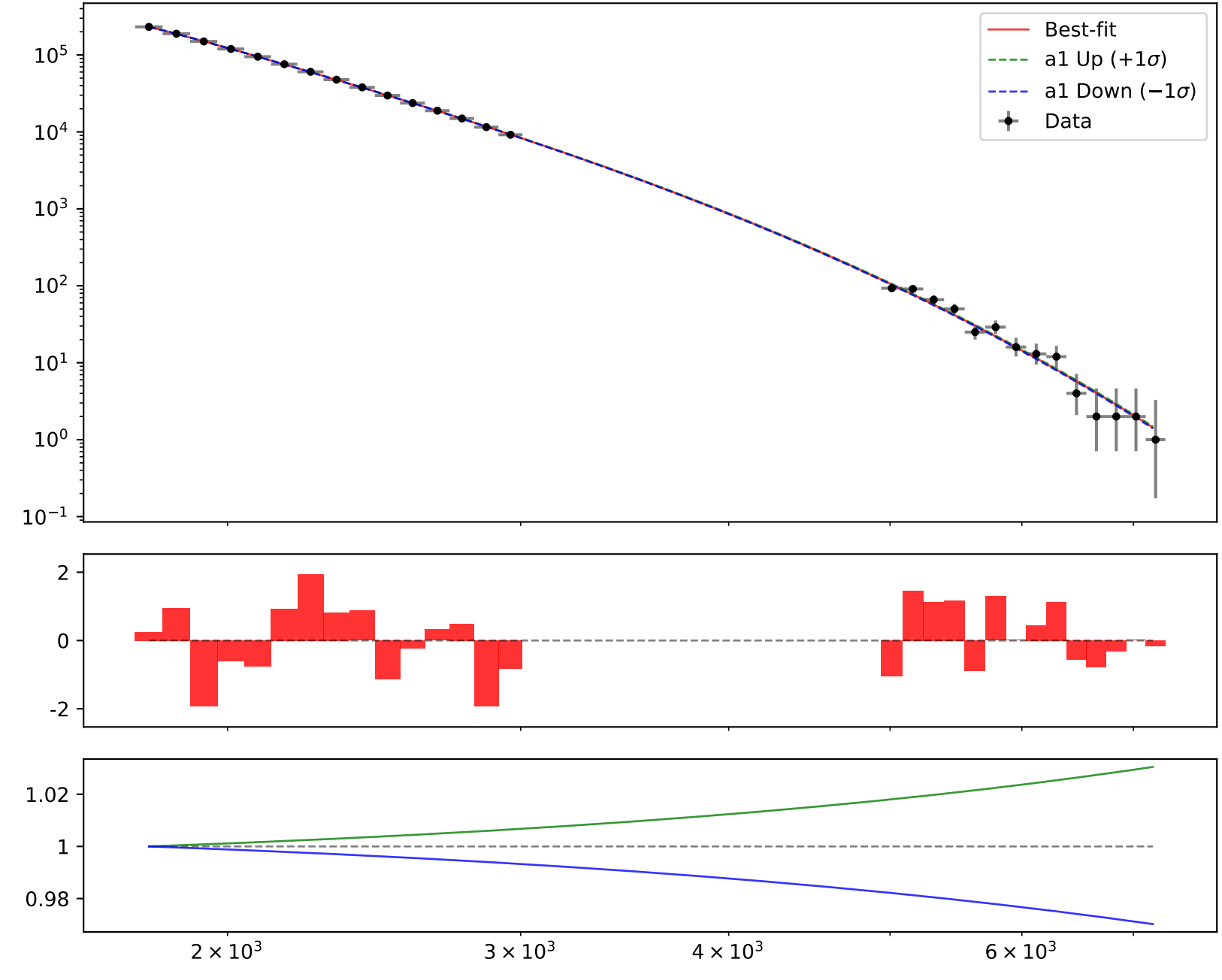
38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + (((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))**a3))

a1 = 7.42627e − 05 $^{+2.276e-06(3.06\%)}_{-2.224e-06(2.99\%)}$, a2 = 0.166006 $^{+0.0003213(0.194\%)}_{-0.0003208(0.193\%)}$,

a3 = 1.15248 $^{+0.00478(0.415\%)}_{-0.004722(0.41\%)}$

Candidate #11

χ^2/NDF = 28.66/26, RMSE = 210.9, R2 = 1.0



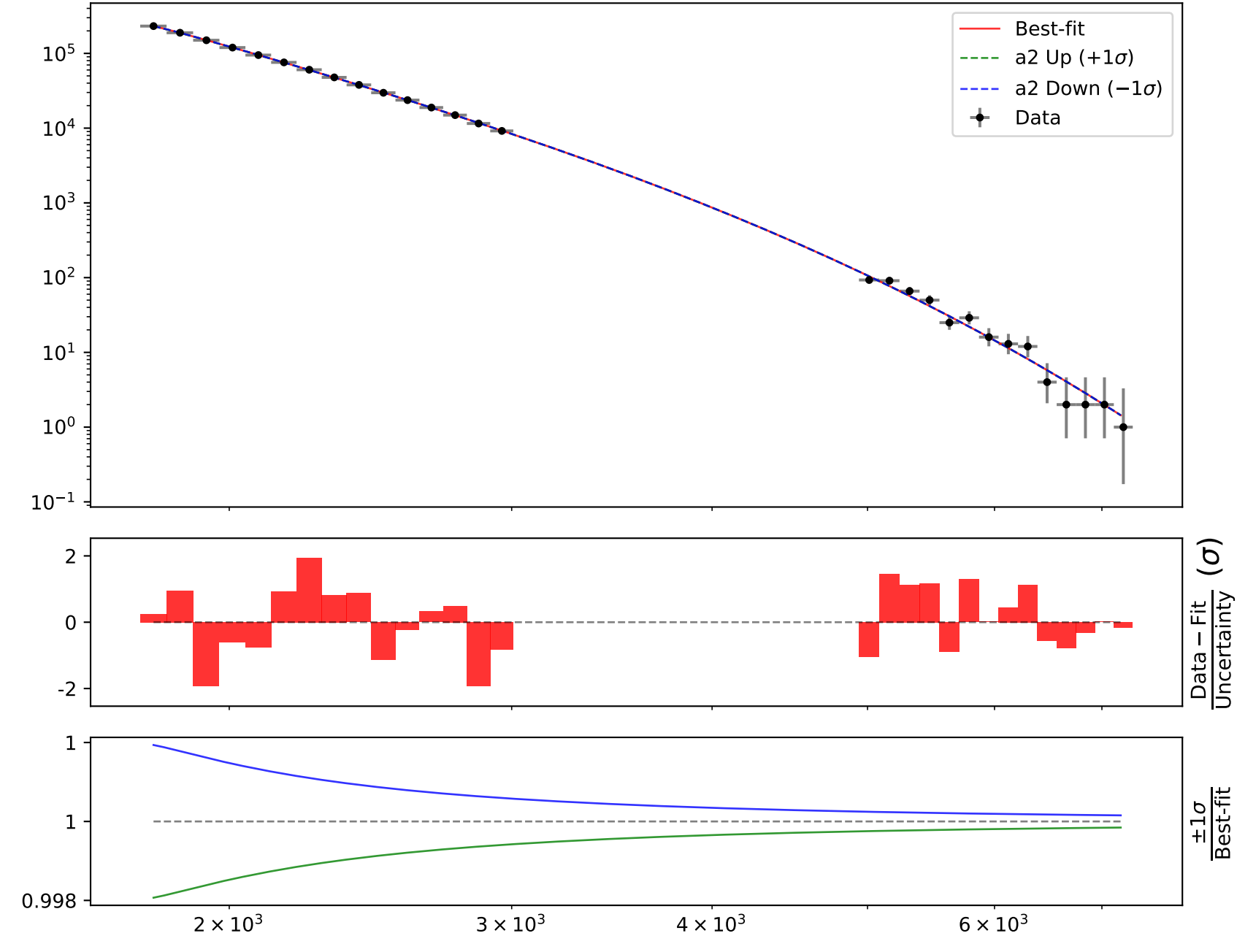
38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + (((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))**a3))

$a1 = 7.42627e-05^{+2.276e-06(3.06\%)}_{-2.224e-06(2.99\%)}$, **$a2 = 0.166006^{+0.0003213(0.194\%)}_{-0.0003208(0.193\%)}$**,

$a3 = 1.15248^{+0.00478(0.415\%)}_{-0.004722(0.41\%)}$

Candidate #11

χ^2/NDF = 28.66/26, RMSE = 210.9, R2 = 1.0



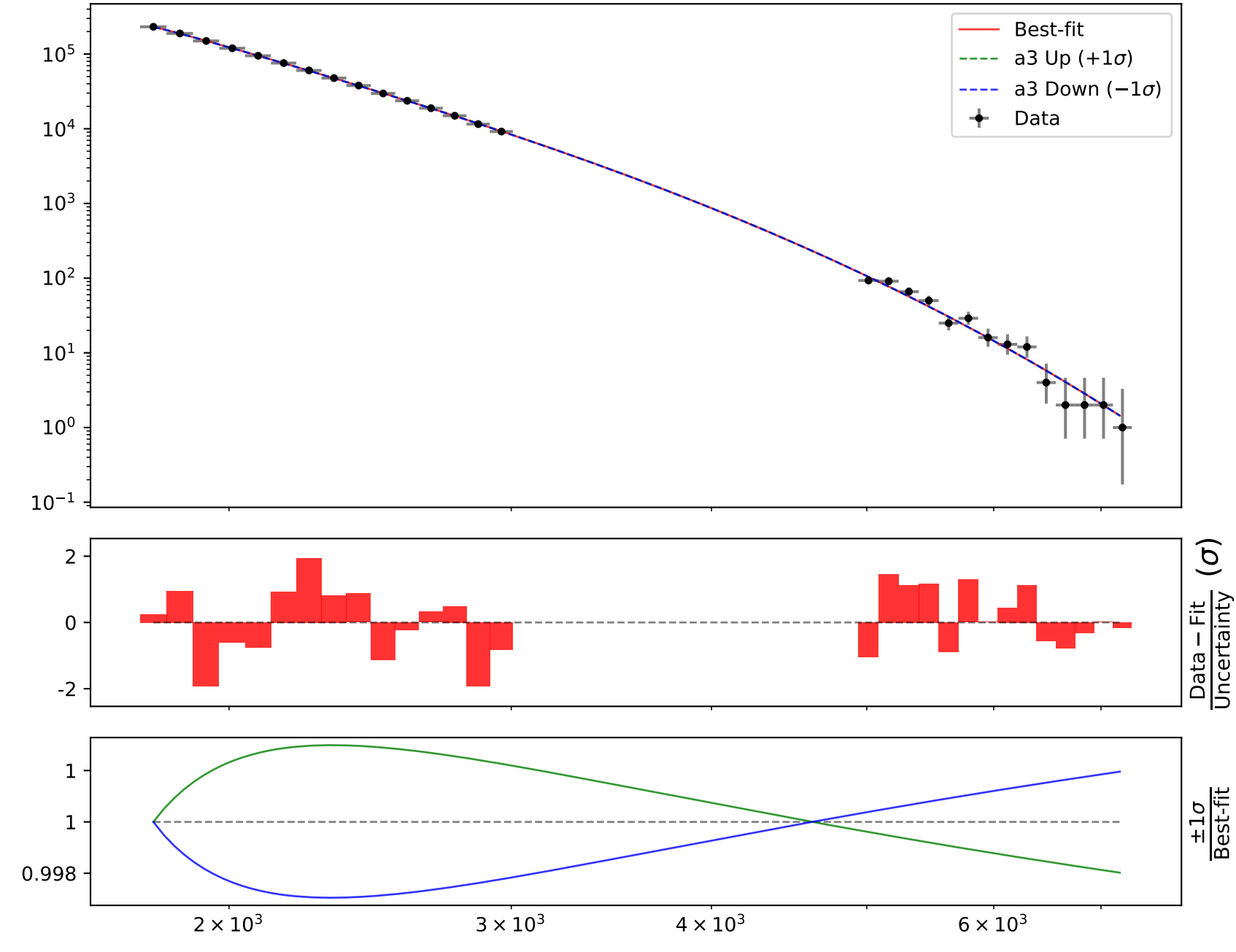
38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + (((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))**a3))

$a1 = 7.42627e-05^{+2.276e-06(3.06\%)}_{-2.224e-06(2.99\%)}$, $a2 = 0.166006^{+0.0003213(0.194\%)}_{-0.0003208(0.193\%)}$,

$a3 = 1.15248^{+0.00478(0.415\%)}_{-0.004722(0.41\%)}$

Candidate #11

χ^2/NDF = 28.66/26, RMSE = 210.9, R2 = 1.0



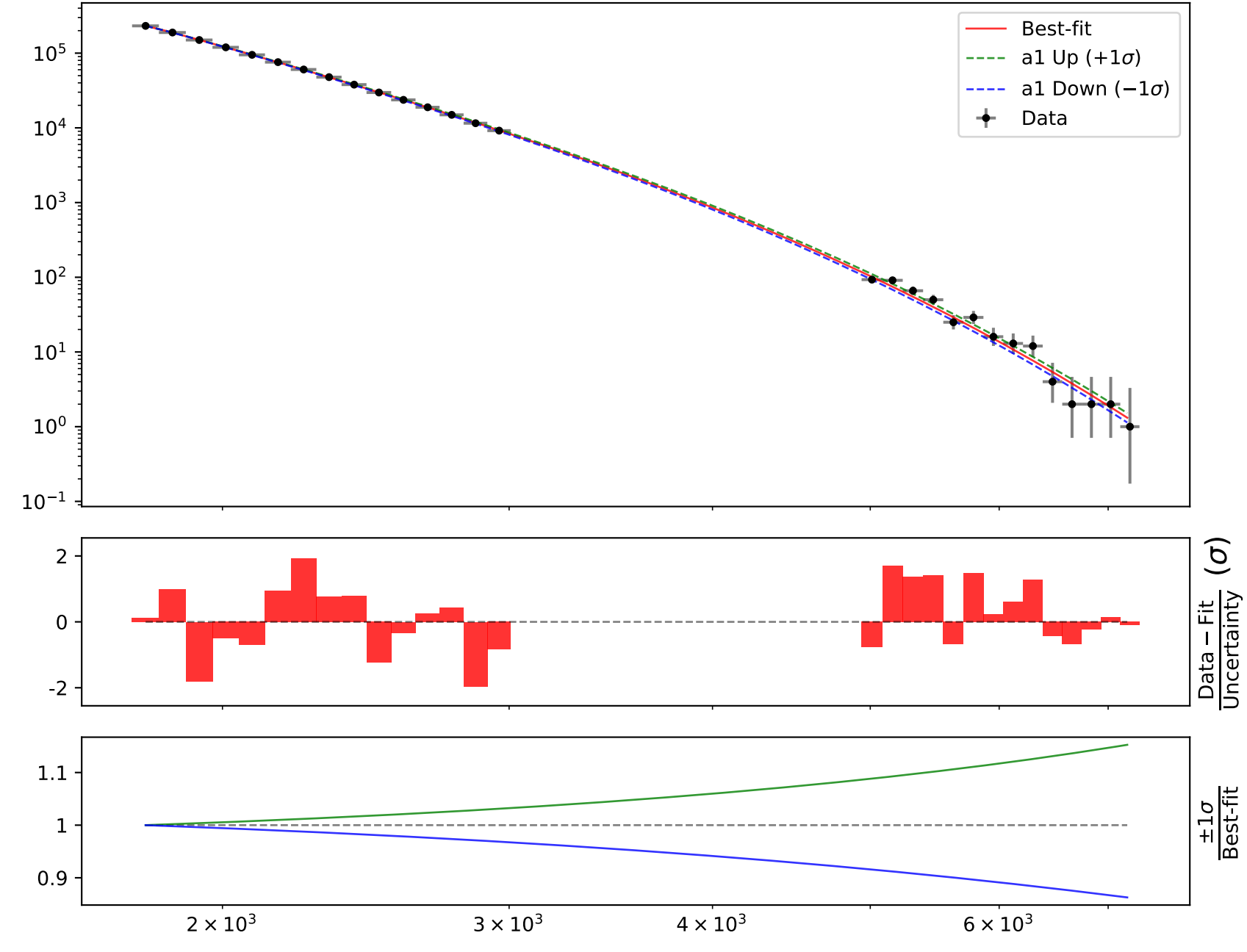
Candidate function #10

38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + a4*((x0 - 1794.0) * 0.000184332)**a3))

a1 = 7.78338e − 05$^{+1.195e-05(15.3\%)}_{-1.074e-05(13.8\%)}$, a2 = 0.165961$^{+0.0003657(0.22\%)}_{-0.0003653(0.22\%)}$,
a3 = 1.1504$^{+0.01415(1.23\%)}_{-0.01455(1.26\%)}$, a4 = 2.22886$^{+0.1384(6.21\%)}_{-0.1358(6.09\%)}$

Candidate #10

χ^2/NDF = 30.12/25, RMSE = 203.9, R2 = 1.0

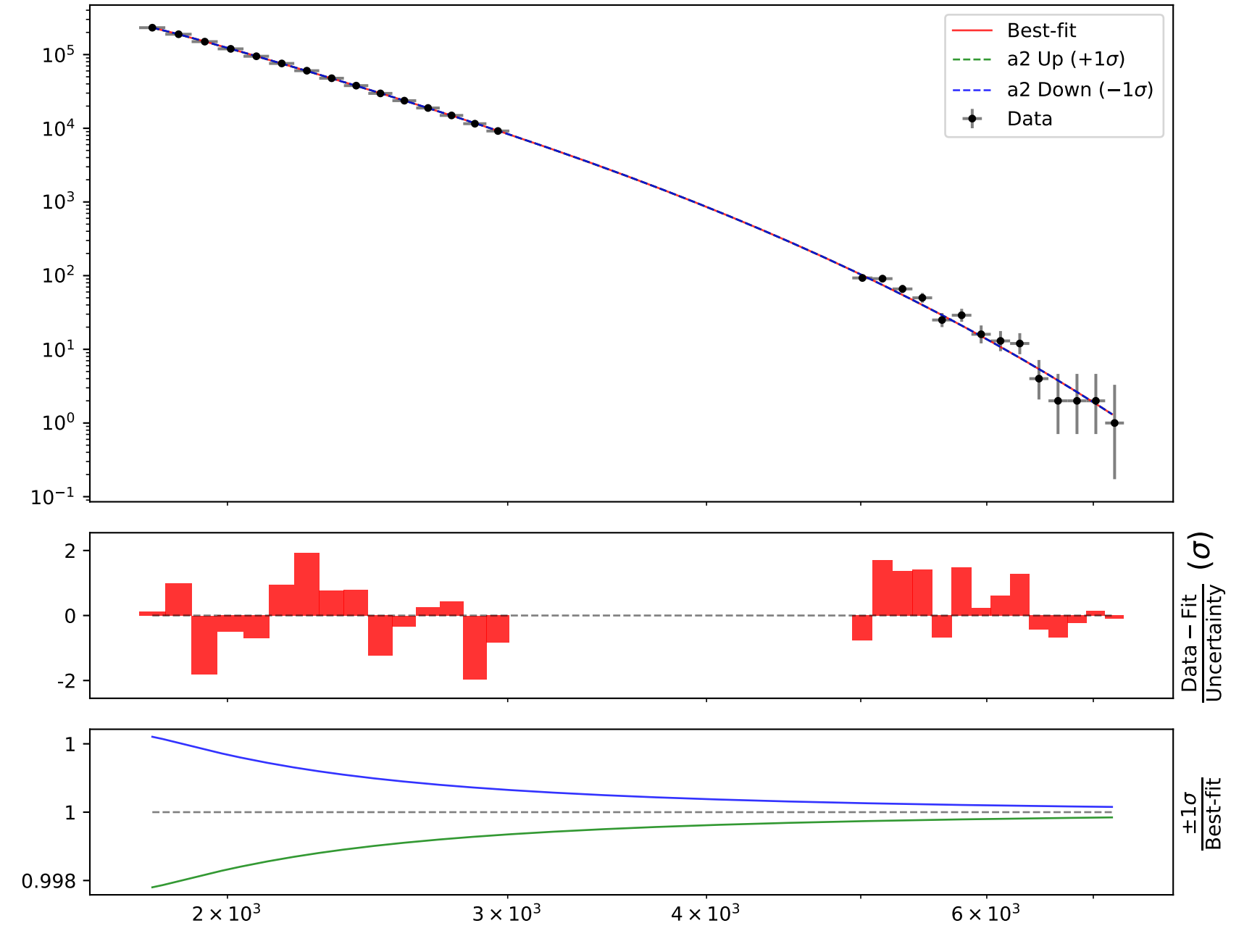


38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + a4*((x0 - 1794.0) * 0.000184332)**a3))

$a1 = 7.78338e-05^{+1.195e-05(15.3\%)}_{-1.074e-05(13.8\%)}$, **$a2 = 0.165961^{+0.0003657(0.22\%)}_{-0.0003653(0.22\%)}$**,
$a3 = 1.1504^{+0.01415(1.23\%)}_{-0.01455(1.26\%)}$, $a4 = 2.22886^{+0.1384(6.21\%)}_{-0.1358(6.09\%)}$

Candidate #10

χ^2/NDF = 30.12/25, RMSE = 203.9, R2 = 1.0



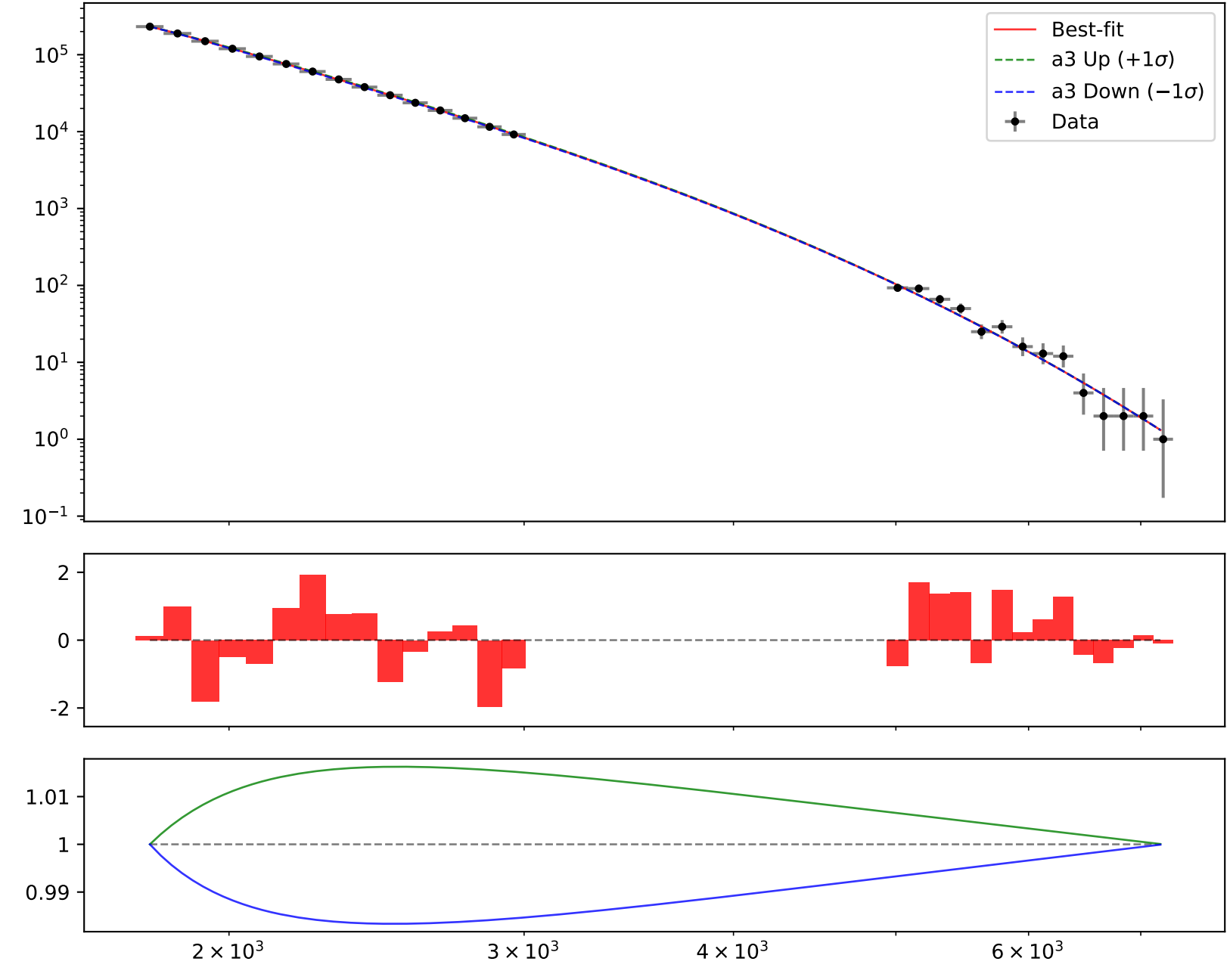
38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + a4*((x0 - 1794.0) * 0.000184332)**a3))

$a1 = 7.78338e-05^{+1.195e-05(15.3\%)}_{-1.074e-05(13.8\%)}$, $a2 = 0.165961^{+0.0003657(0.22\%)}_{-0.0003653(0.22\%)}$,

$a3 = 1.1504^{+0.01415(1.23\%)}_{-0.01455(1.26\%)}$, $a4 = 2.22886^{+0.1384(6.21\%)}_{-0.1358(6.09\%)}$

Candidate #10

χ^2/NDF = 30.12/25, RMSE = 203.9, R2 = 1.0

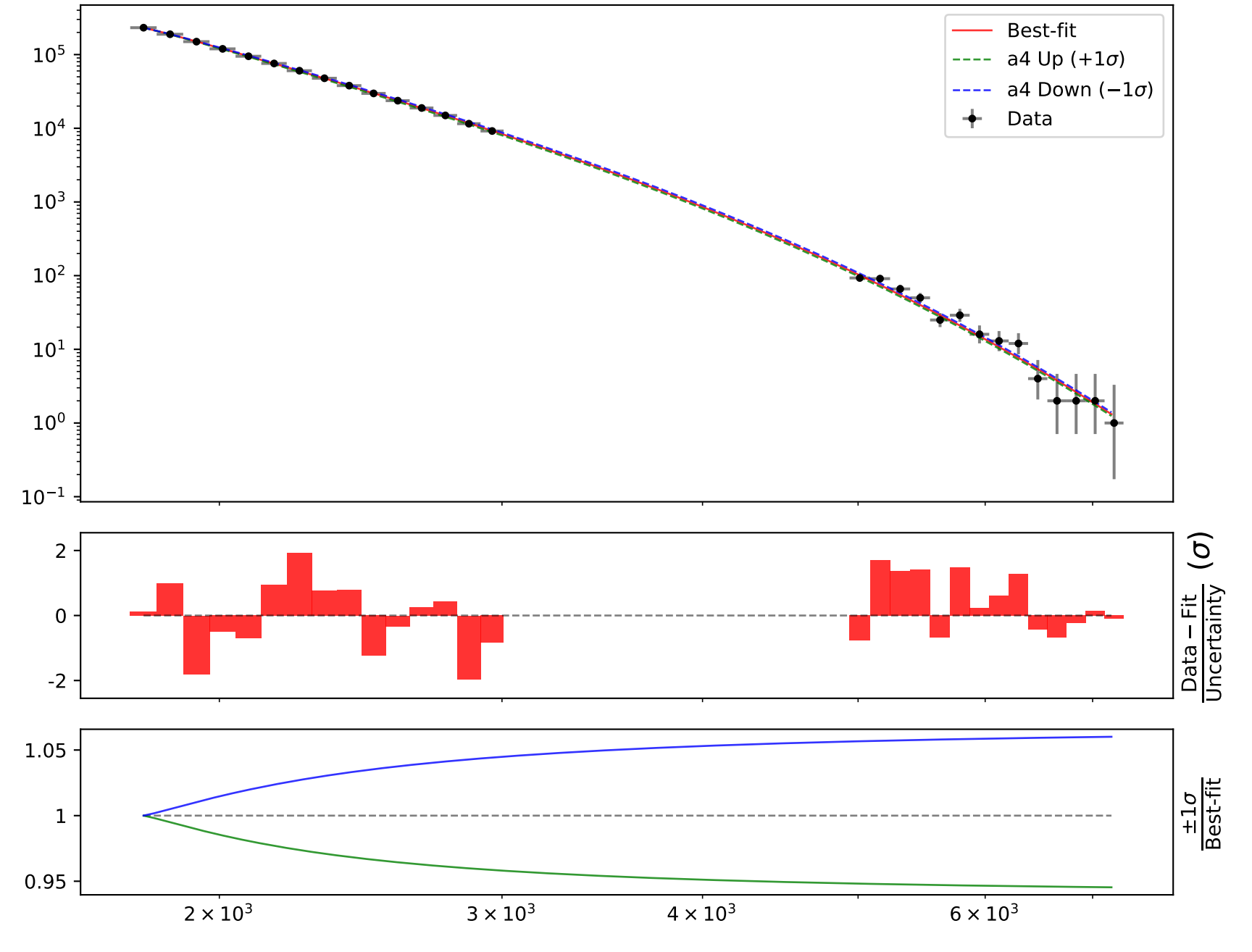


38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + a4*((x0 - 1794.0) * 0.000184332)**a3))

$a1 = 7.78338e-05^{+1.195e-05(15.3\%)}_{-1.074e-05(13.8\%)}$, $a2 = 0.165961^{+0.0003657(0.22\%)}_{-0.0003653(0.22\%)}$,
$a3 = 1.1504^{+0.01415(1.23\%)}_{-0.01455(1.26\%)}$, **$a4 = 2.22886^{+0.1384(6.21\%)}_{-0.1358(6.09\%)}$**

Candidate #10

χ^2/NDF = 30.12/25, RMSE = 203.9, R2 = 1.0



Candidate function #9

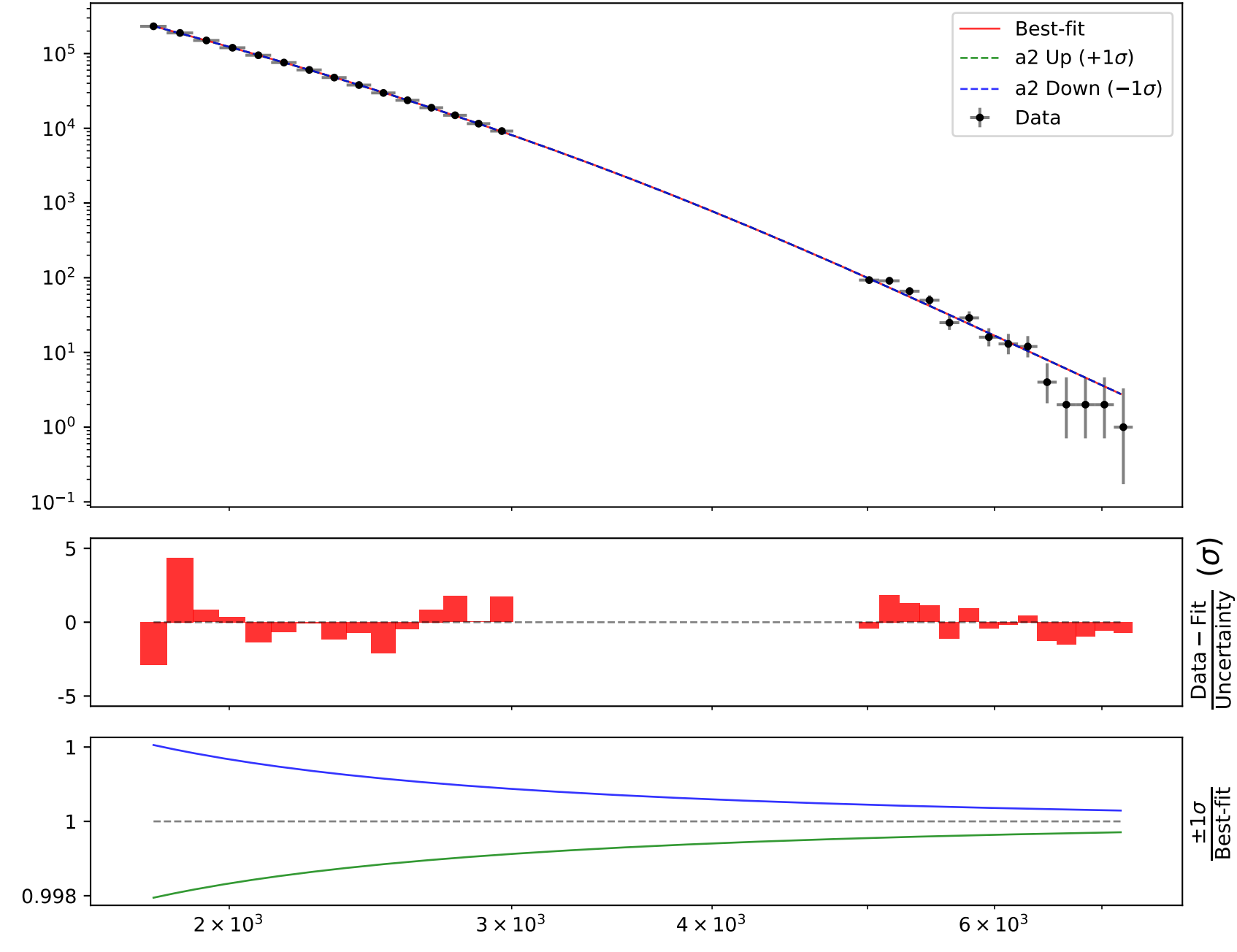
38458.1*(a1**(a3*((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 0.000245$, $\mathbf{a2 = 0.164924^{+0.0003393(0.206\%)}_{-0.0003381(0.205\%)}}$,

$a3 = 0.371339^{+0.002976(0.801\%)}_{-0.00297(0.8\%)}$

Candidate #9

χ^2/NDF = 58.81/27, RMSE = 463.3, R2 = 0.9999



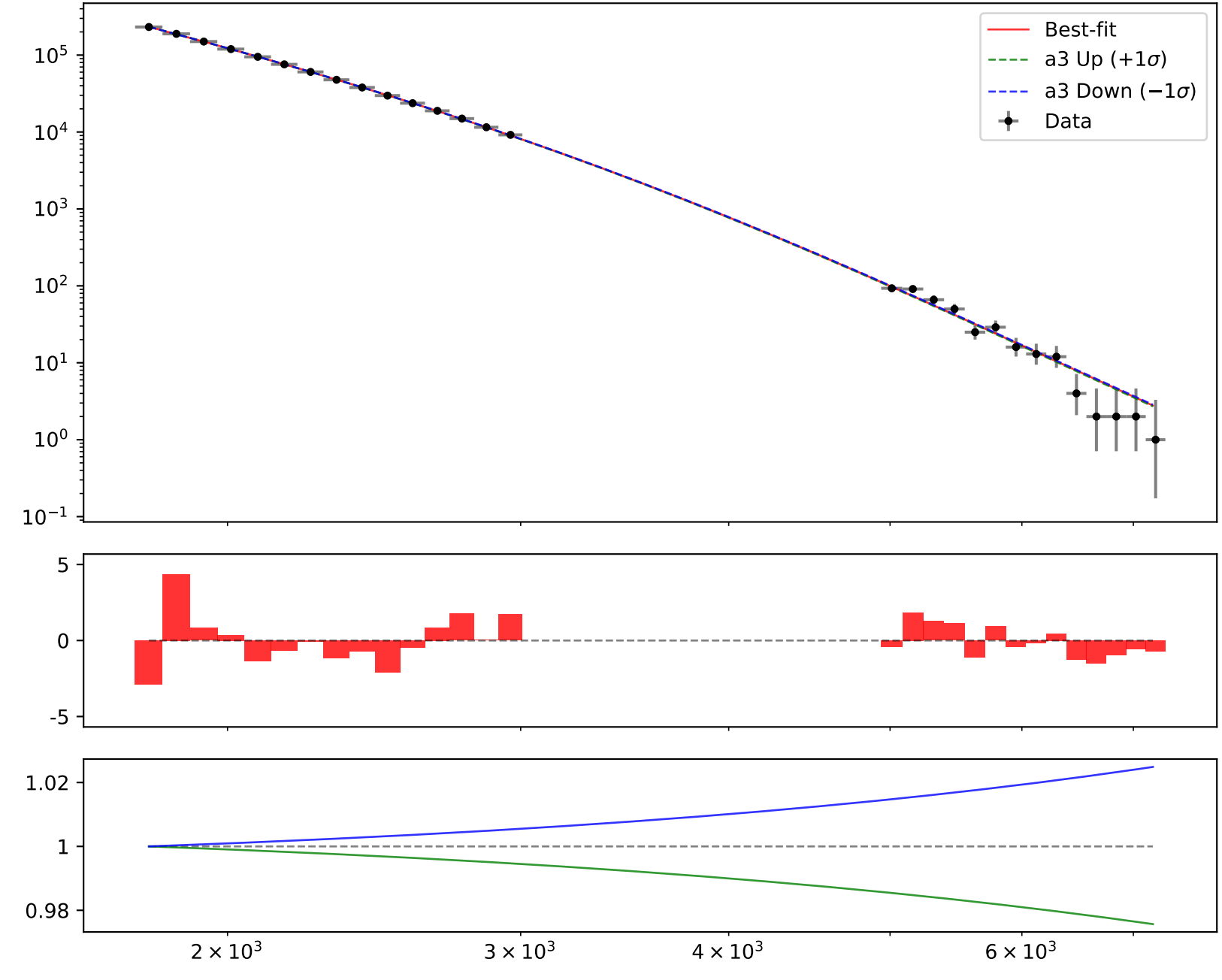
38458.1*(a1**(a3*((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 0.000245$, $a2 = 0.164924^{+0.0003393(0.206\%)}_{-0.0003381(0.205\%)}$,

$a3 = 0.371339^{+0.002976(0.801\%)}_{-0.00297(0.8\%)}$

Candidate #9

χ^2/NDF = 58.81/27, RMSE = 463.3, R2 = 0.9999



Candidate function #8

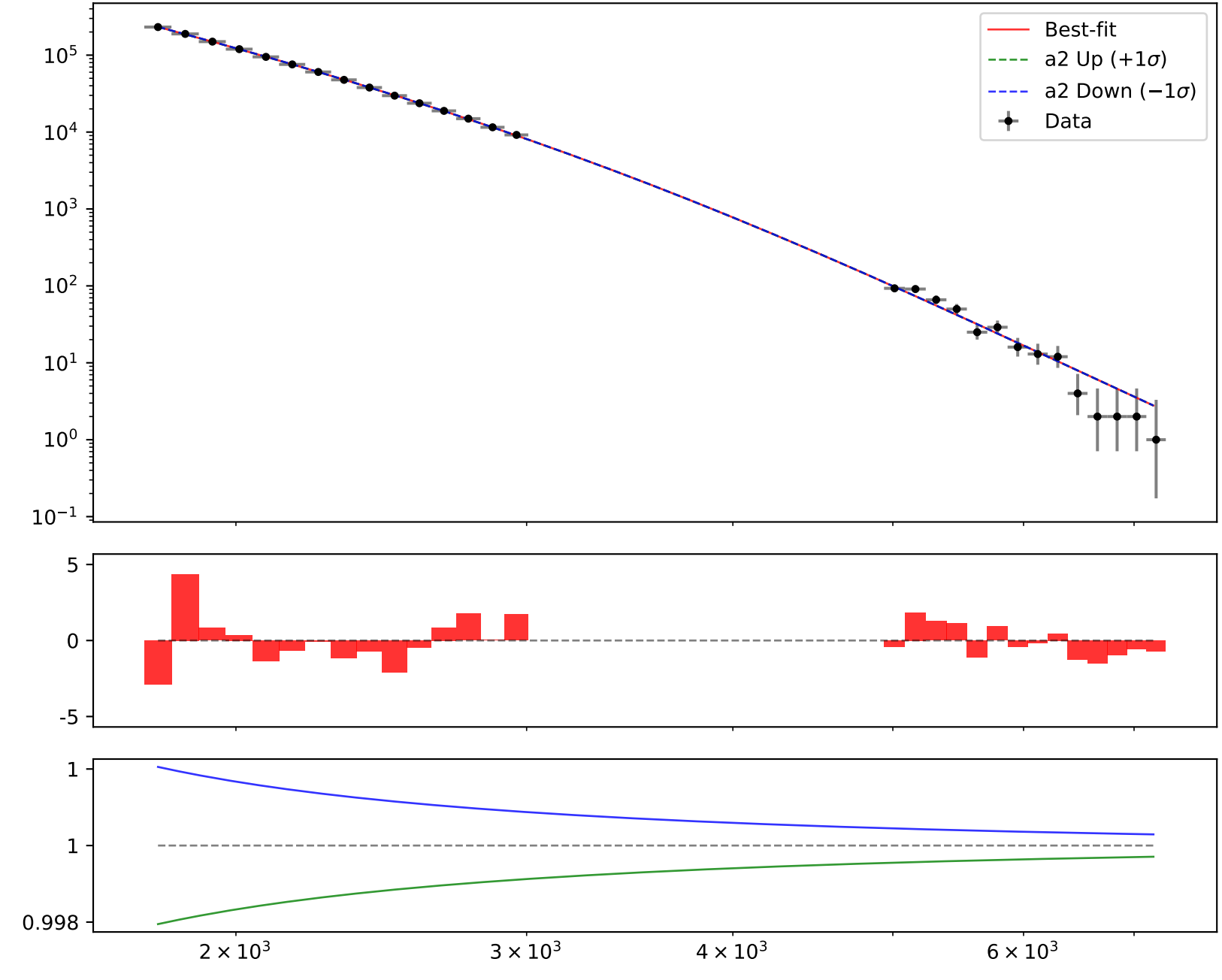
38458.1*(a1**(a3*((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 0.000245$, $\mathbf{a2 = 0.164924^{+0.0003393(0.206\%)}_{-0.0003381(0.205\%)}}$,

$a3 = 0.371339^{+0.002976(0.801\%)}_{-0.00297(0.8\%)}$

Candidate #8

χ^2/NDF = 58.81/27, RMSE = 463.3, R2 = 0.9999



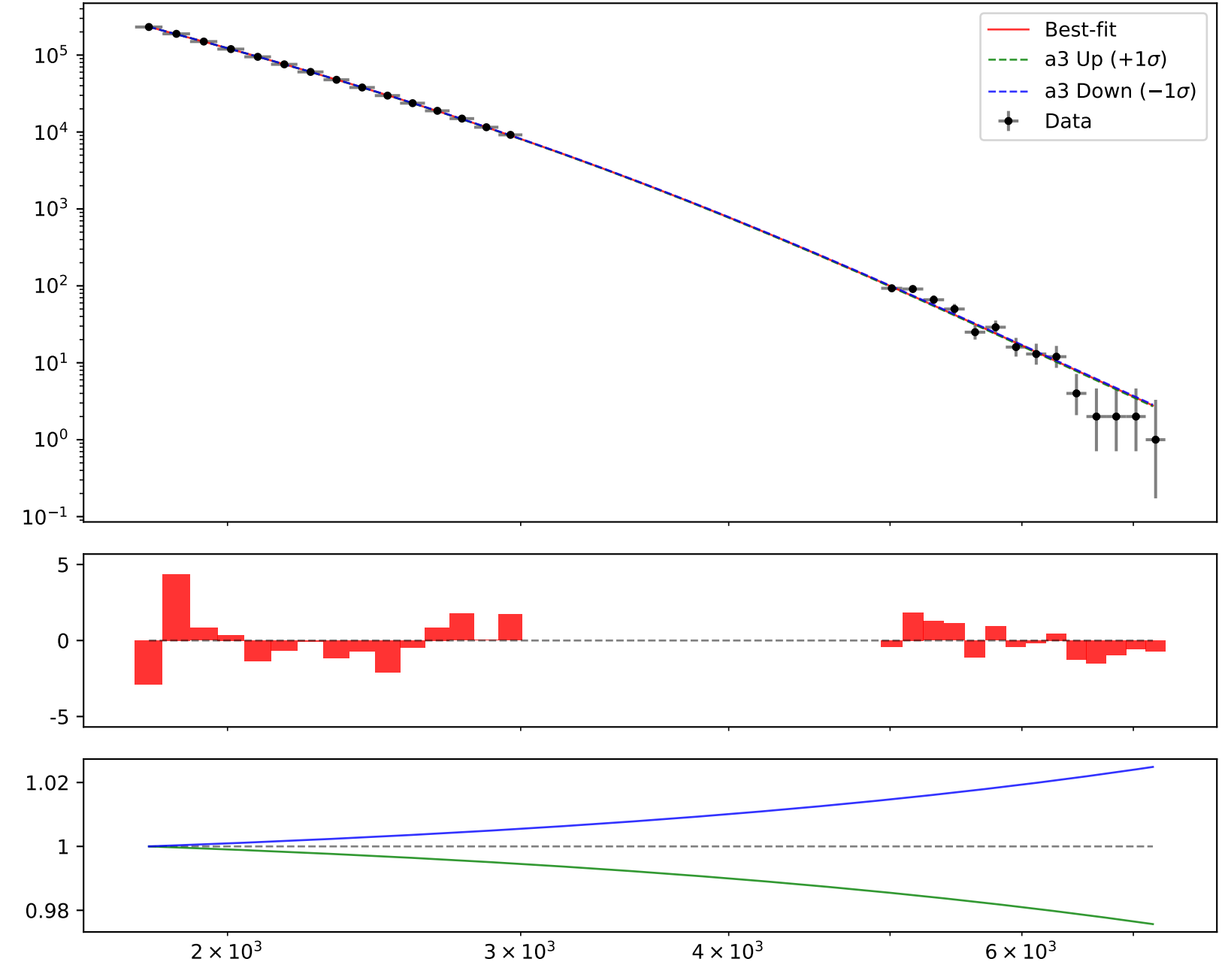
38458.1*(a1**(a3*((x0 - 1794.0) * 0.000184332) + tanh(((x0 - 1794.0) * 0.000184332)))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 0.000245$, $a2 = 0.164924^{+0.0003393(0.206\%)}_{-0.0003381(0.205\%)}$,

$a3 = 0.371339^{+0.002976(0.801\%)}_{-0.00297(0.8\%)}$

Candidate #8

χ^2/NDF = 58.81/27, RMSE = 463.3, R2 = 0.9999



Candidate function #7

38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$\mathbf{a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}}$, $a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$

Candidate #7

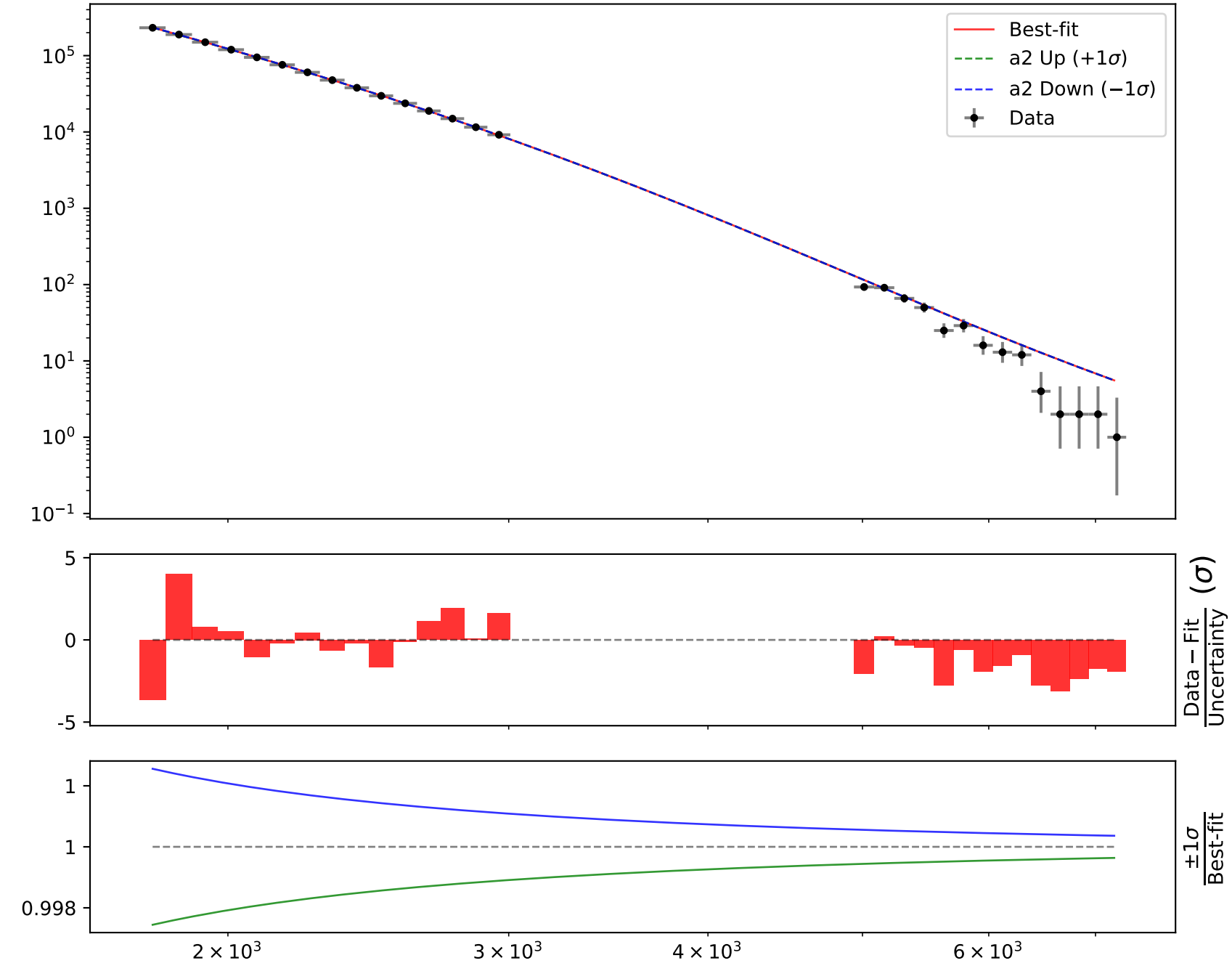
χ^2/NDF = 91.63/27, RMSE = 476.2, R2 = 0.9999

38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}$, $\mathbf{a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}}$

Candidate #7

χ^2/NDF = 91.63/27, RMSE = 476.2, R2 = 0.9999



Candidate function #6

38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$\mathbf{a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}}$, $a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$

Candidate #6

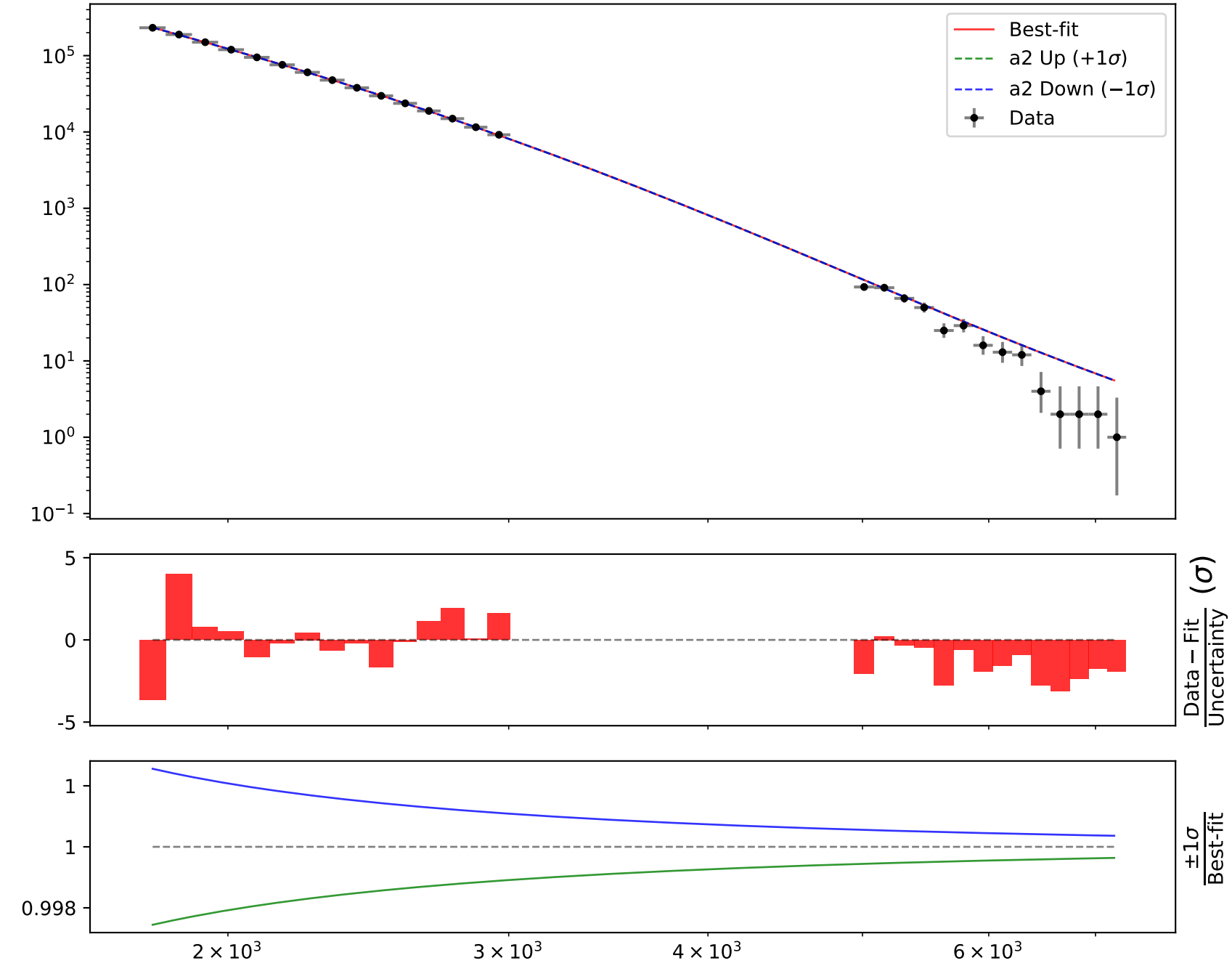
χ^2/NDF = 91.63/27, RMSE = 476.2, R2 = 0.9999

38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}$, $\mathbf{a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}}$

Candidate #6

χ^2/NDF = 91.63/27, RMSE = 476.2, R2 = 0.9999



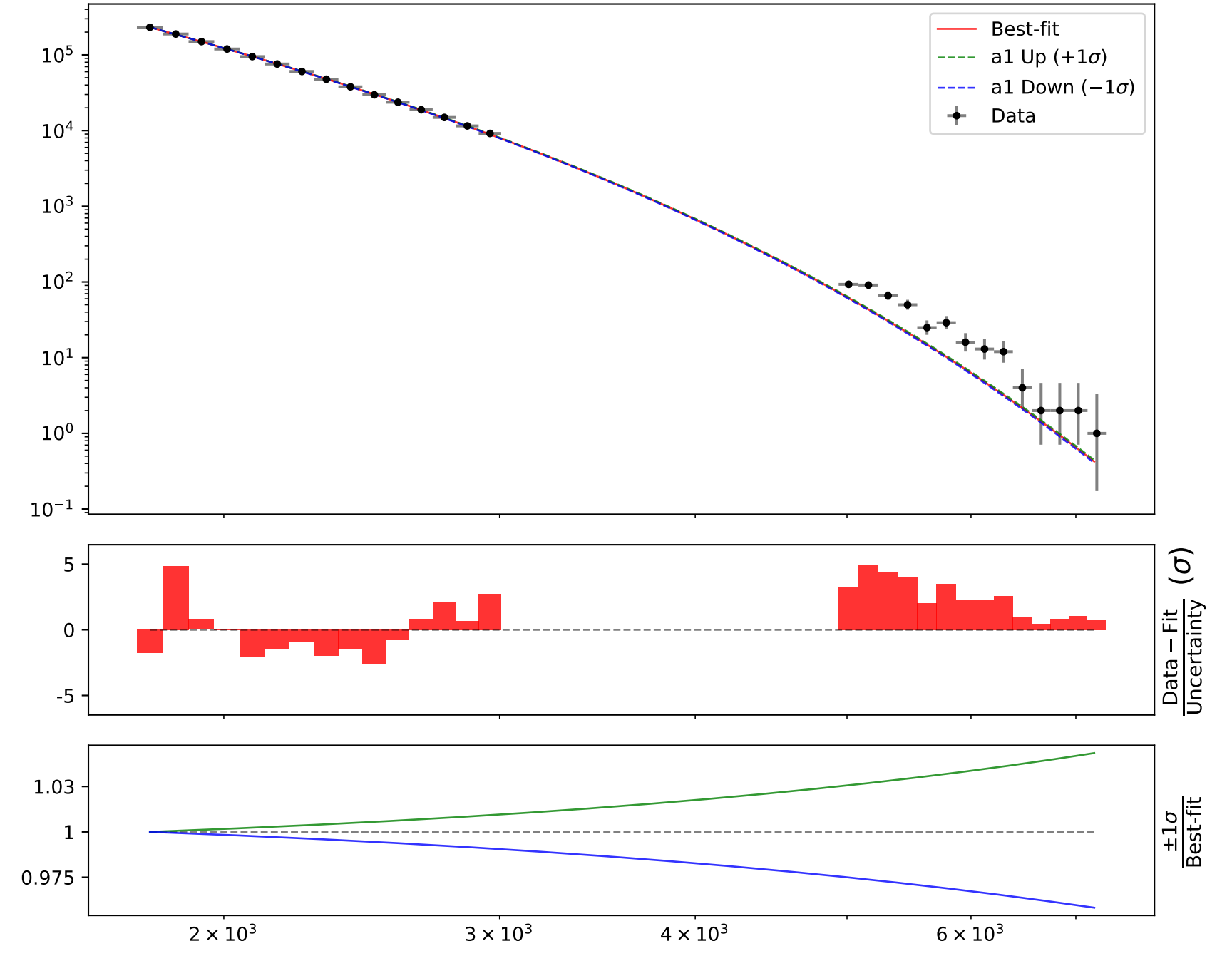
Candidate function #5

38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + ((x0 - 1794.0) * 0.000184332)))

a1 = 1.21048e − 05 $^{+5.28e-07(4.36\%)}_{-5.08e-07(4.2\%)}$, a2 = 0.165306 $^{+0.0005818(0.352\%)}_{-0.0005785(0.35\%)}$

Candidate #5

χ^2/NDF = 169.1/27, RMSE = 475.9, R2 = 0.9999

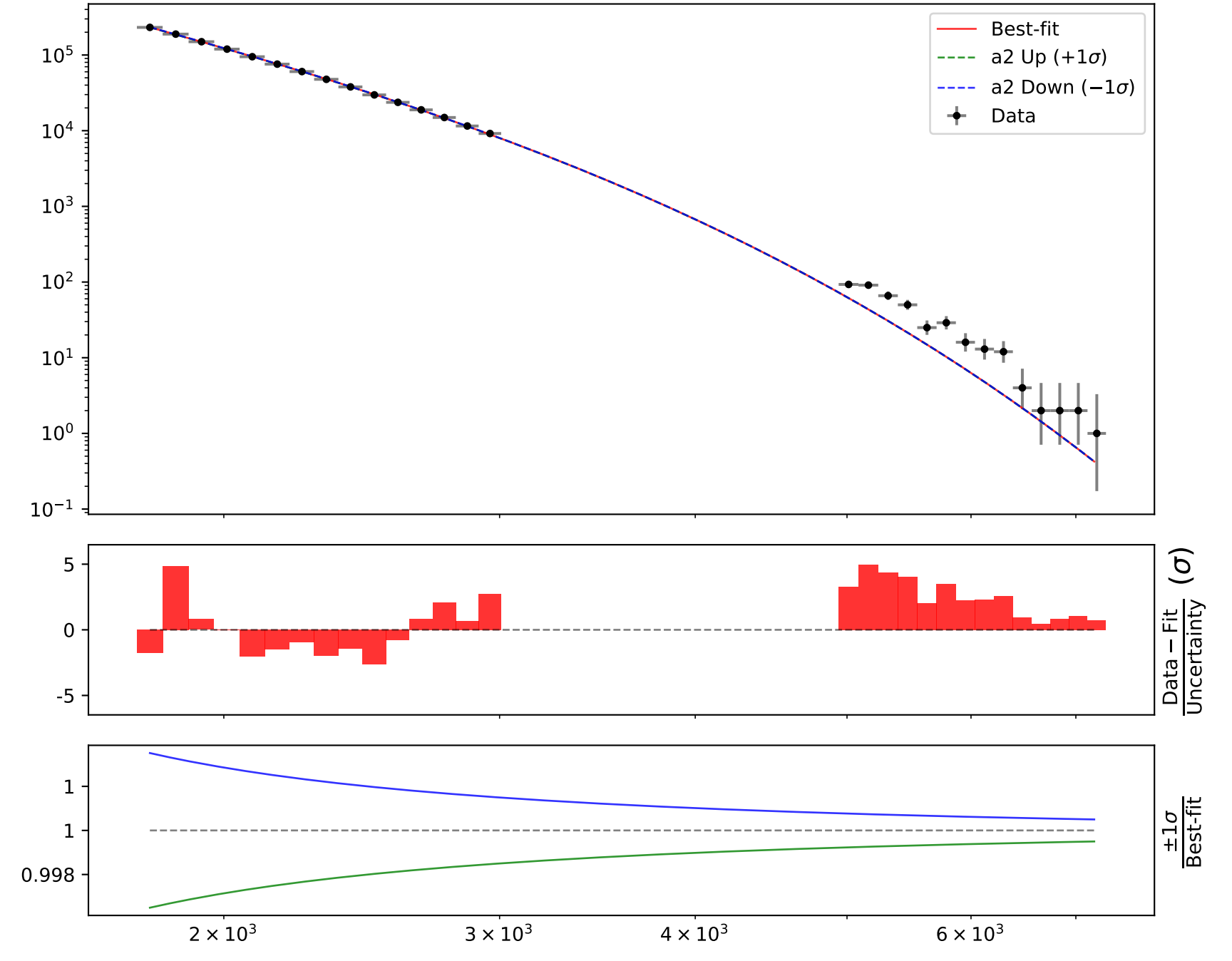


38458.1*(a1**((x0 - 1794.0) * 0.000184332)/(a2 + ((x0 - 1794.0) * 0.000184332)))

$a1 = 1.21048e-05^{+5.28e-07(4.36\%)}_{-5.08e-07(4.2\%)}$, **$a2 = 0.165306^{+0.0005818(0.352\%)}_{-0.0005785(0.35\%)}$**

Candidate #5

χ^2/NDF = 169.1/27, RMSE = 475.9, R2 = 0.9999



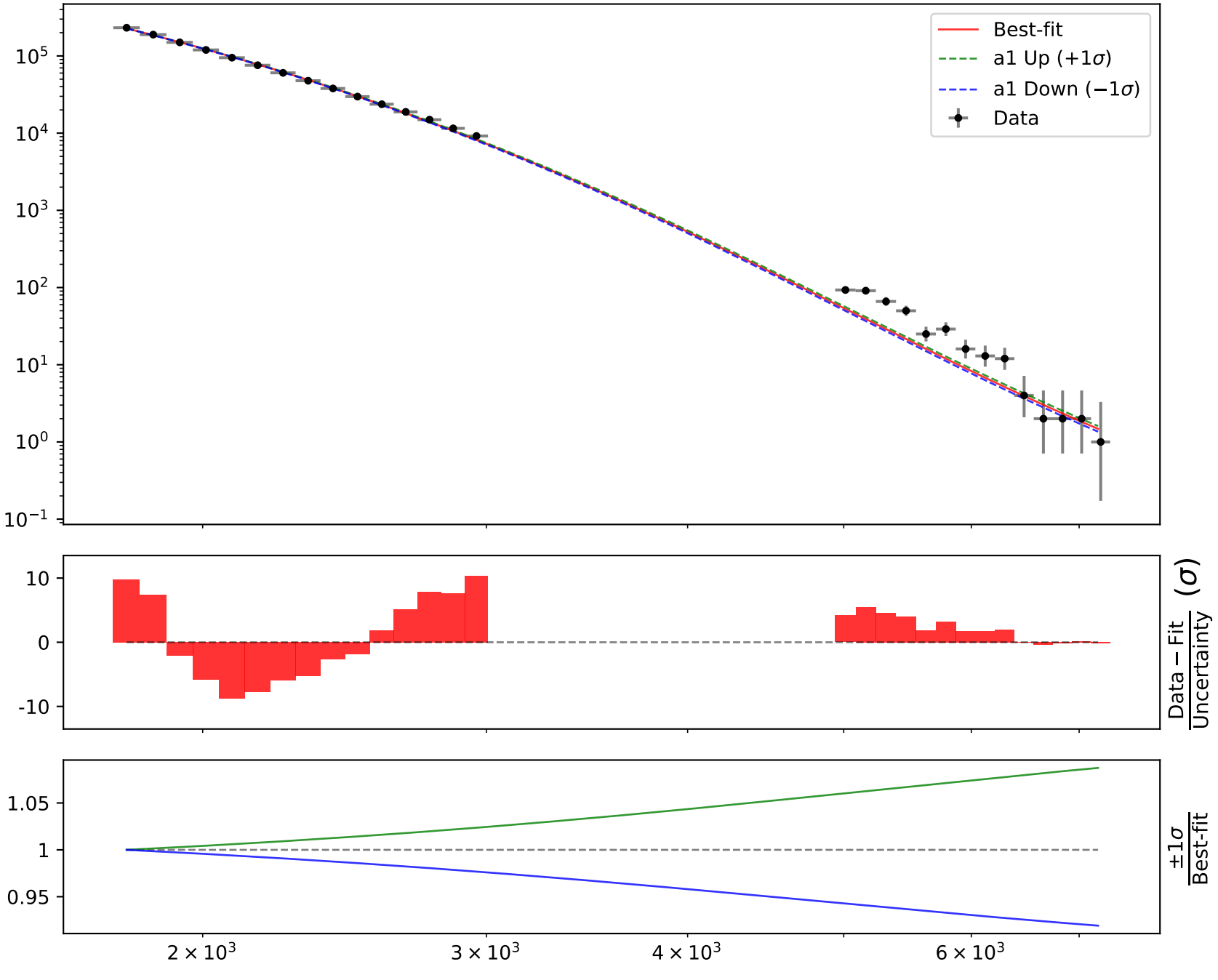
Candidate function #4

38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))*a2)

a1 = 1.48225e − 07$^{+1.728e-08(11.7\%)}_{-1.558e-08(10.5\%)}$, a2 = 5.90496$^{+0.04328(0.733\%)}_{-0.04317(0.731\%)}$

Candidate #4

χ^2/NDF = 766.1/27, RMSE = 1391.0, R2 = 0.9995



38458.1*(a1**tanh(((x0 - 1794.0) * 0.000184332))*a2)

$a1 = 1.48225e-07^{+1.728e-08(11.7\%)}_{-1.558e-08(10.5\%)}$, $\mathbf{a2 = 5.90496^{+0.04328(0.733\%)}_{-0.04317(0.731\%)}}$

Candidate #4

χ^2/NDF = 766.1/27, RMSE = 1391.0, R2 = 0.9995

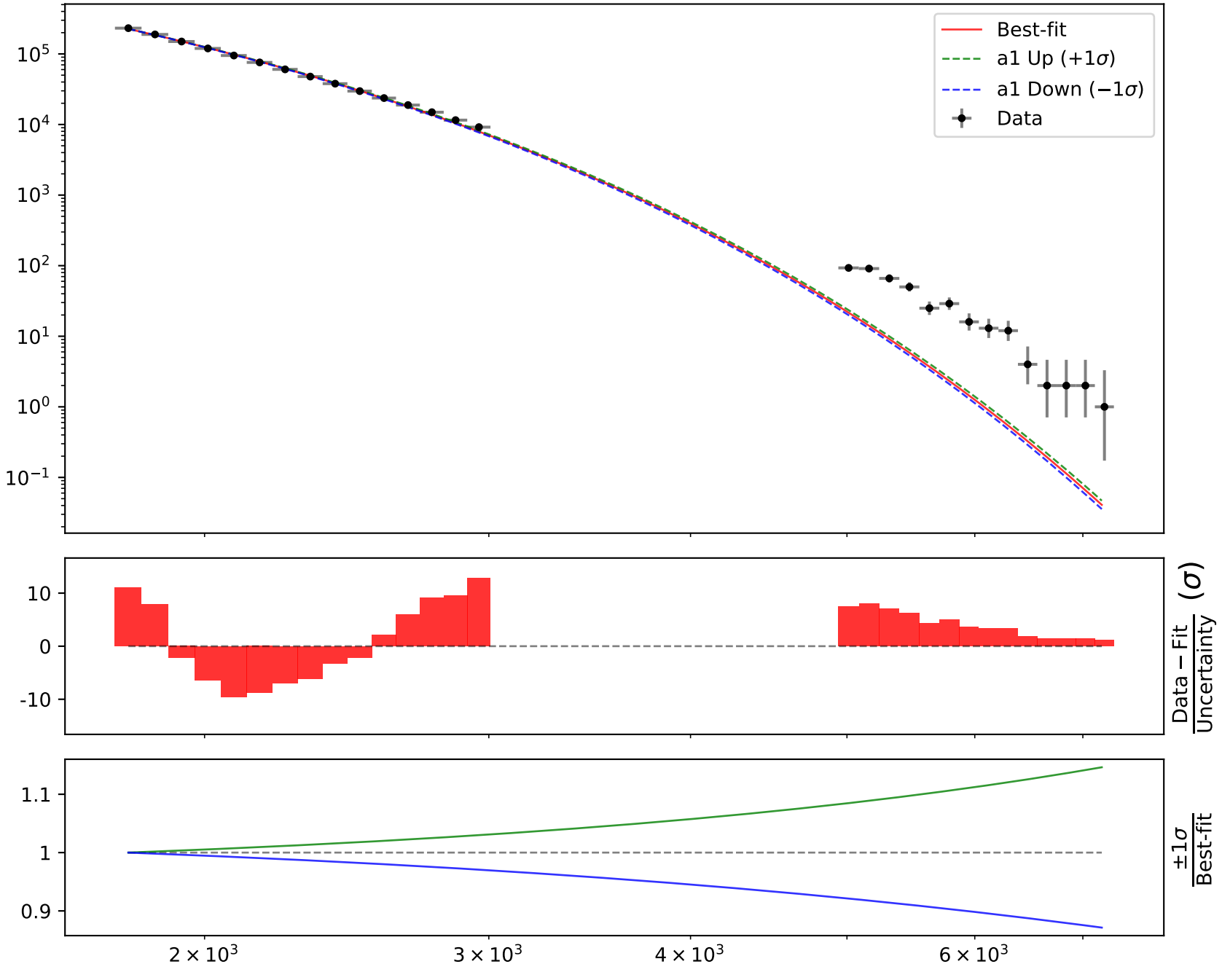
Candidate function #3

38458.1*(a1**((x0 - 1794.0) * 0.000184332)*a2)

a1 = 1.66766e − 07 $^{+2.453e-08(14.7\%)}_{-2.155e-08(12.9\%)}$, a2 = $5.88847^{+0.05371(0.912\%)}_{-0.05355(0.909\%)}$

Candidate #3

χ^2/NDF = 1178.0/27, RMSE = 1560.0, R2 = 0.9993



38458.1*(a1**((x0 - 1794.0) * 0.000184332)*a2)

$a1 = 1.66766e-07^{+2.453e-08(14.7\%)}_{-2.155e-08(12.9\%)}$, **$a2 = 5.88847^{+0.05371(0.912\%)}_{-0.05355(0.909\%)}$**

Candidate #3

χ^2/NDF = 1178.0/27, RMSE = 1560.0, R2 = 0.9993

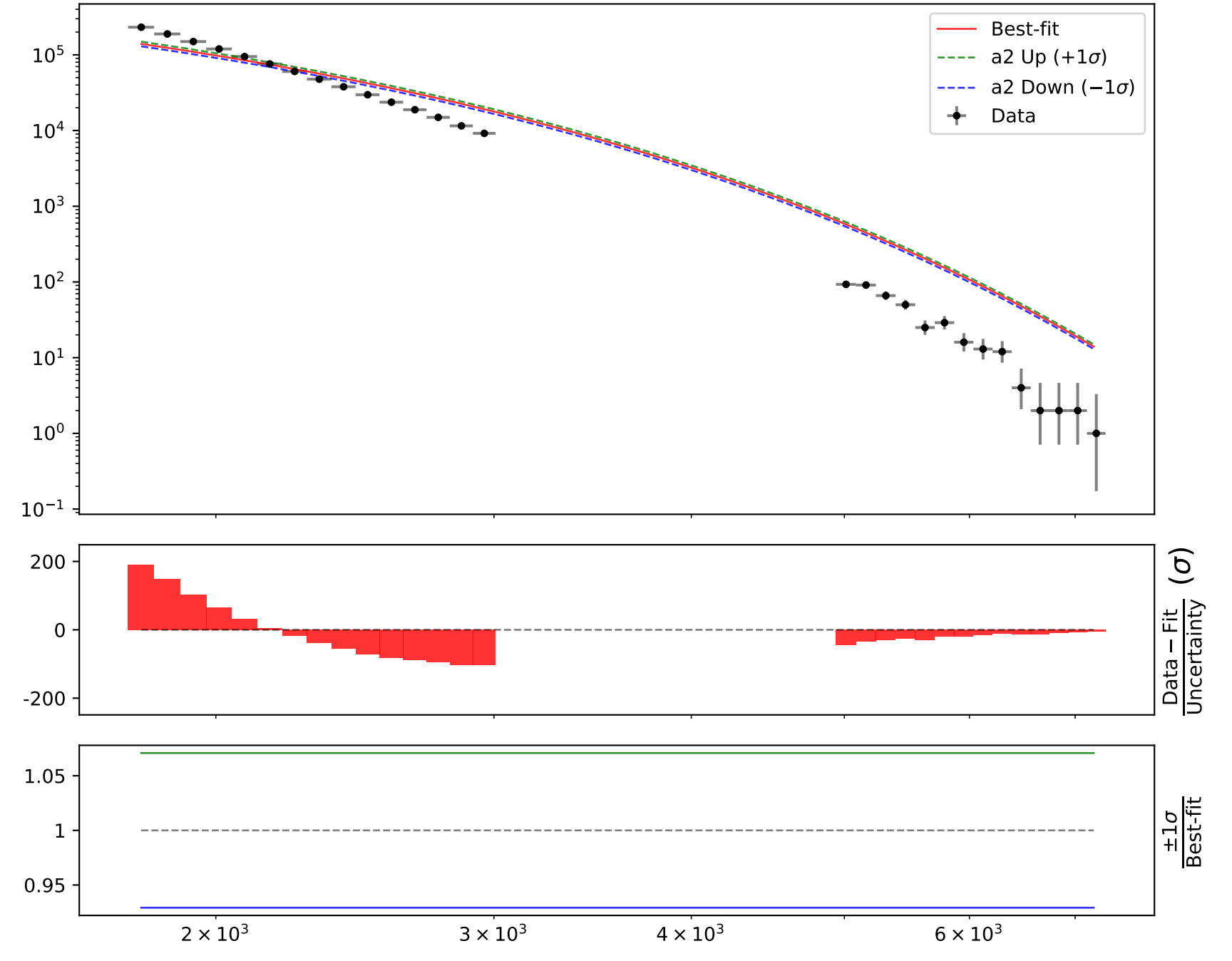
Candidate function #2

38458.1*(a1**((x0 - 1794.0) * 0.000184332)*a2)

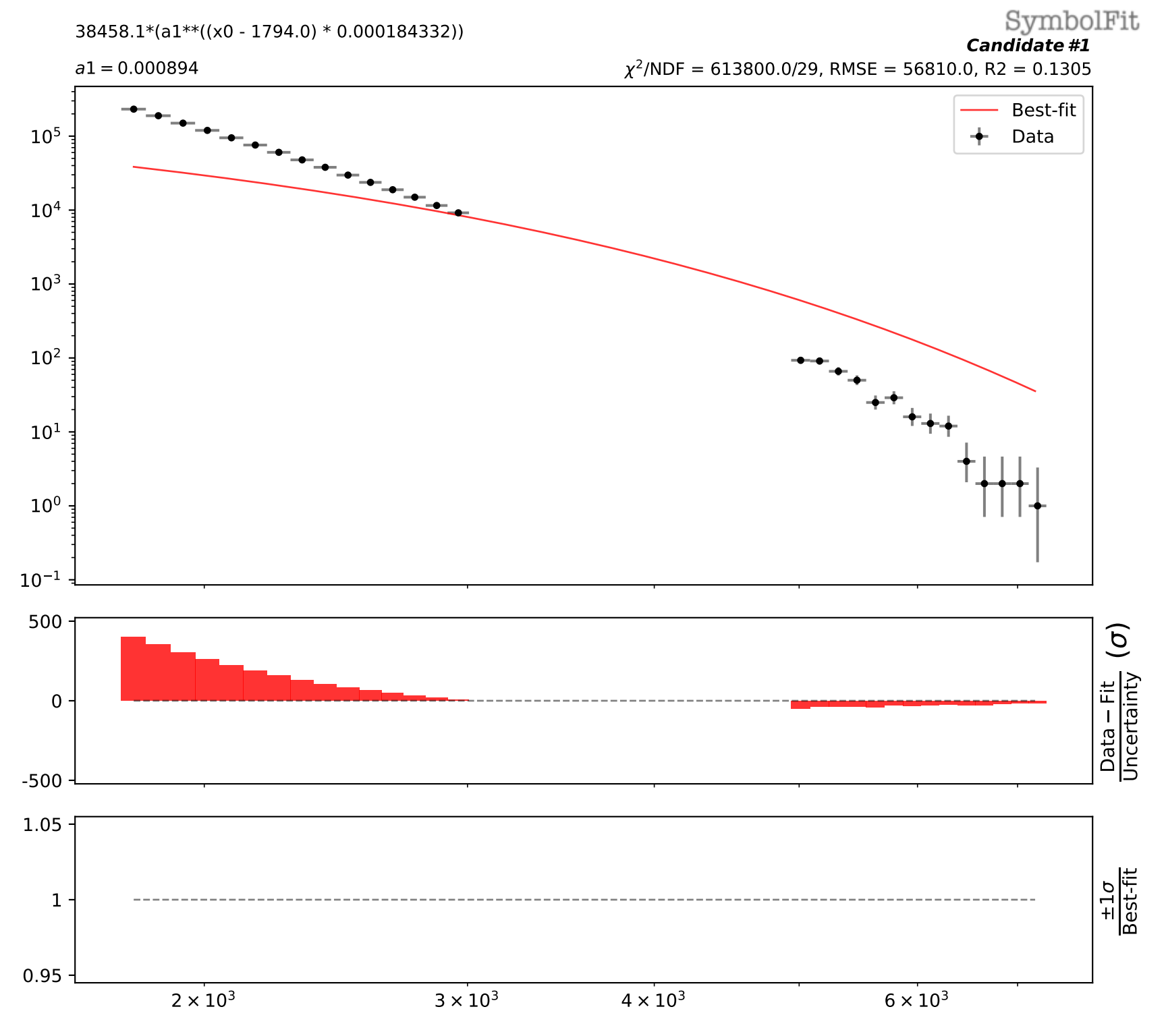
$a1 = 9.58e-05$, $\mathbf{a2 = 3.63032^{+0.257(7.08\%)}_{-0.257(7.08\%)}}$

Candidate #2

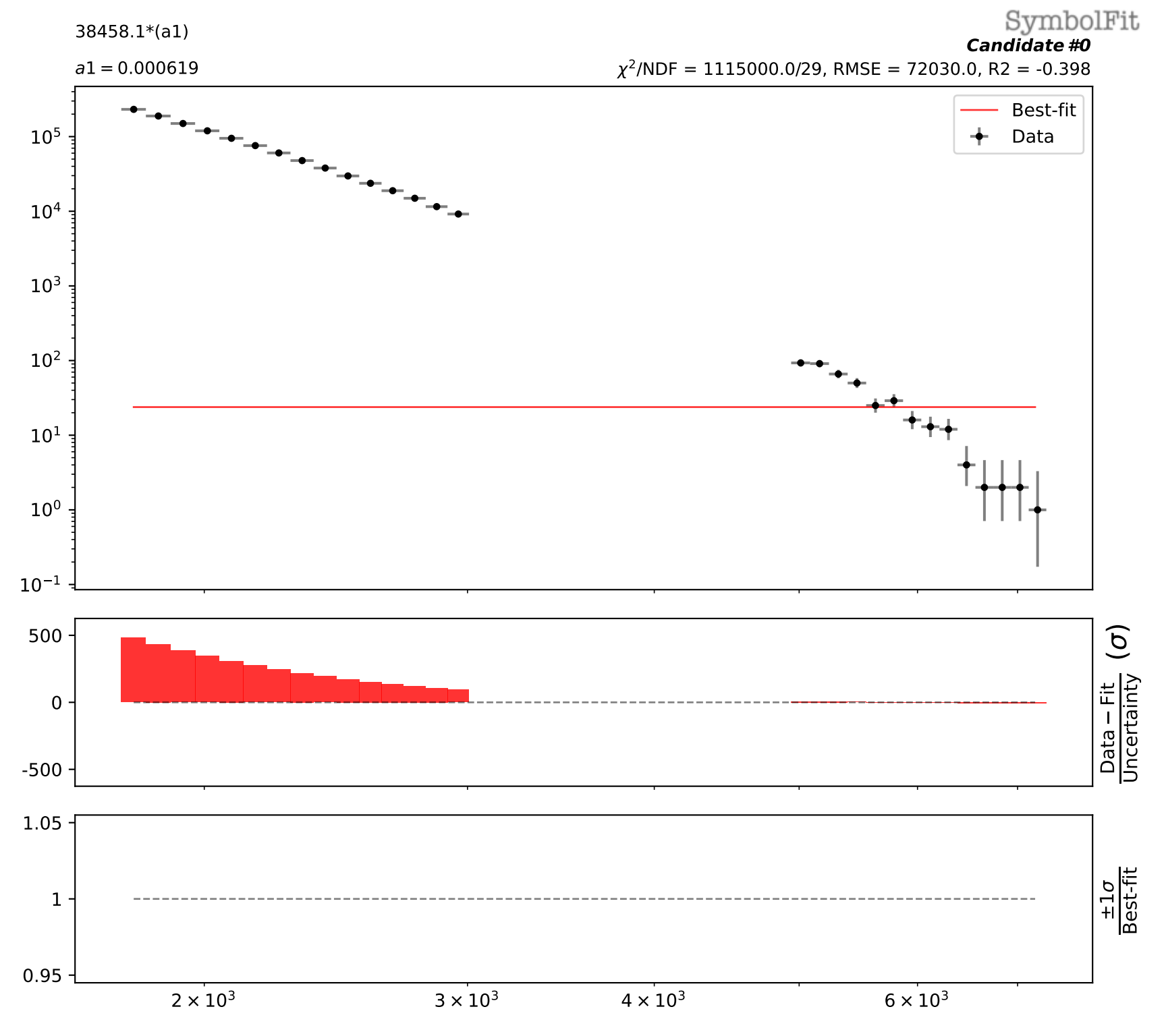
χ^2/NDF = 137300.0/28, RMSE = 23480.0, R2 = 0.8515



Candidate function #1


38458.1*(a1**((x0 - 1794.0) * 0.000184332))
a1 = 0.000894
SymbolFit
Candidate #1
χ²/NDF = 613800.0/29, RMSE = 56810.0, R2 = 0.1305
Best-fit
Data
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
500
0
-500
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³

Candidate function #0


38458.1*(a1)
a1 = 0.000619
SymbolFit
Candidate #0
χ²/NDF = 1115000.0/29, RMSE = 72030.0, R2 = -0.398
Best-fit
Data
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
500
0
-500
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³