Candidate function #18

1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

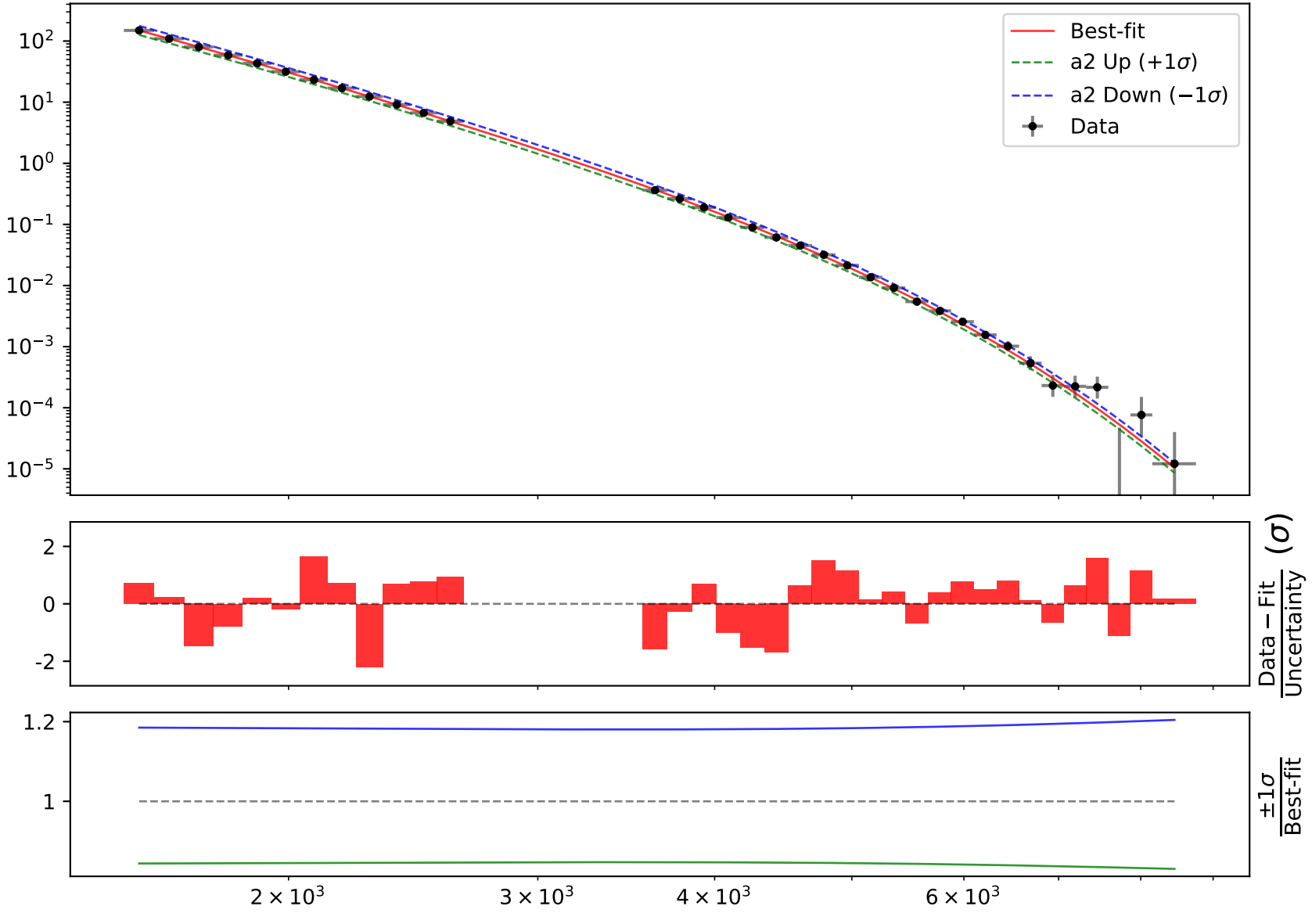
$a1 = -0.544$, $\mathbf{a2 = -0.75775^{+0.0257(3.39\%)}_{-0.0257(3.39\%)}}$,

$a3 = 0.00140715^{+0.000314(22.3\%)}_{-0.000314(22.3\%)}$, $a4 = 0.410494^{+0.00922(2.25\%)}_{-0.00922(2.25\%)}$,

$a5 = 1.63508^{+0.0847(5.18\%)}_{-0.0847(5.18\%)}$, $a6 = 1.04$

Candidate #18

χ^2/NDF = 35.22/31, RMSE = 0.03265, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

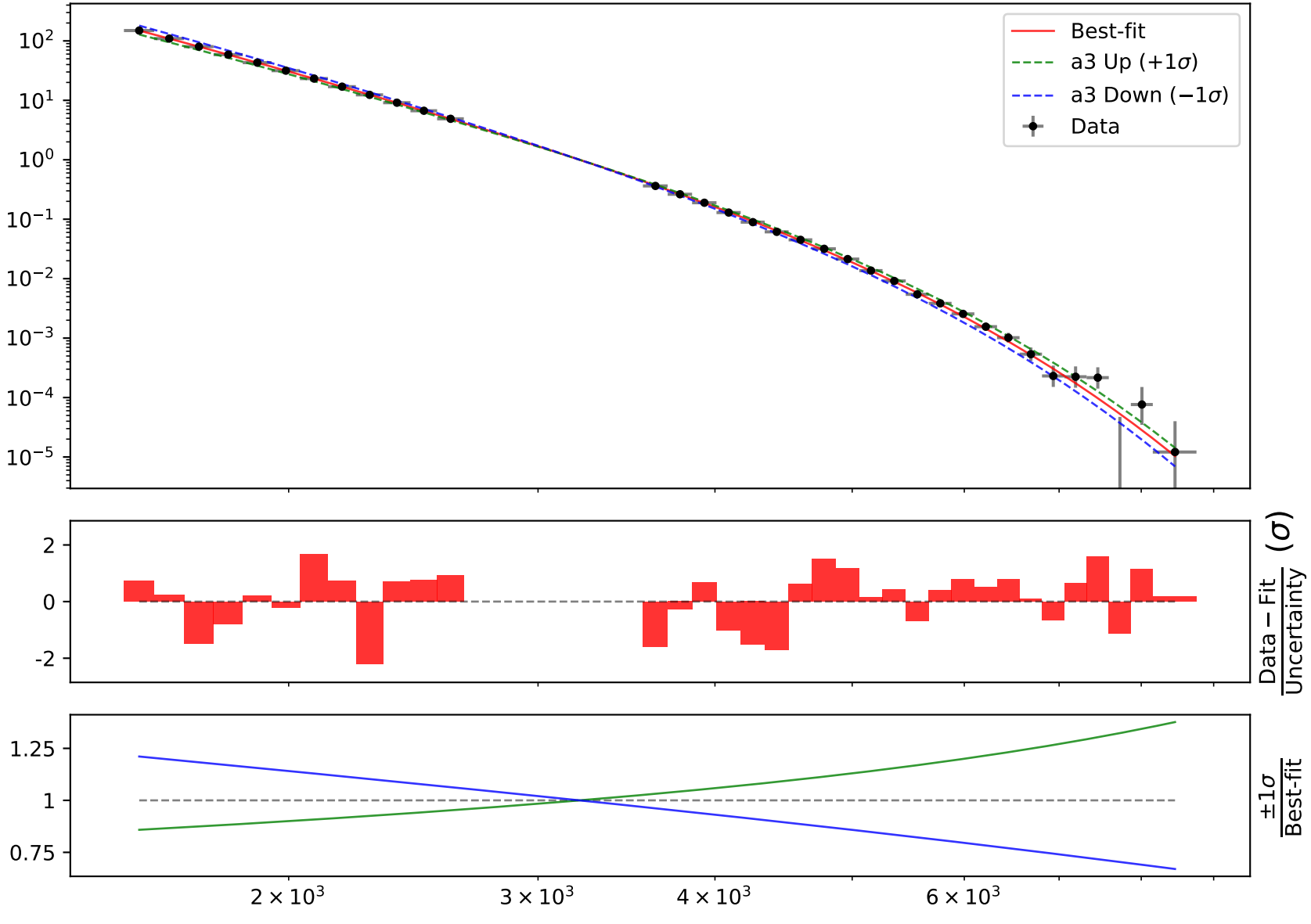
$a1 = -0.544$, $a2 = -0.75775^{+0.0257(3.39\%)}_{-0.0257(3.39\%)}$,

$a3 = 0.00140715^{+0.000314(22.3\%)}_{-0.000314(22.3\%)}$, $a4 = 0.410494^{+0.00922(2.25\%)}_{-0.00922(2.25\%)}$,

$a5 = 1.63508^{+0.0847(5.18\%)}_{-0.0847(5.18\%)}$, $a6 = 1.04$

Candidate #18

χ^2/NDF = 35.22/31, RMSE = 0.03265, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

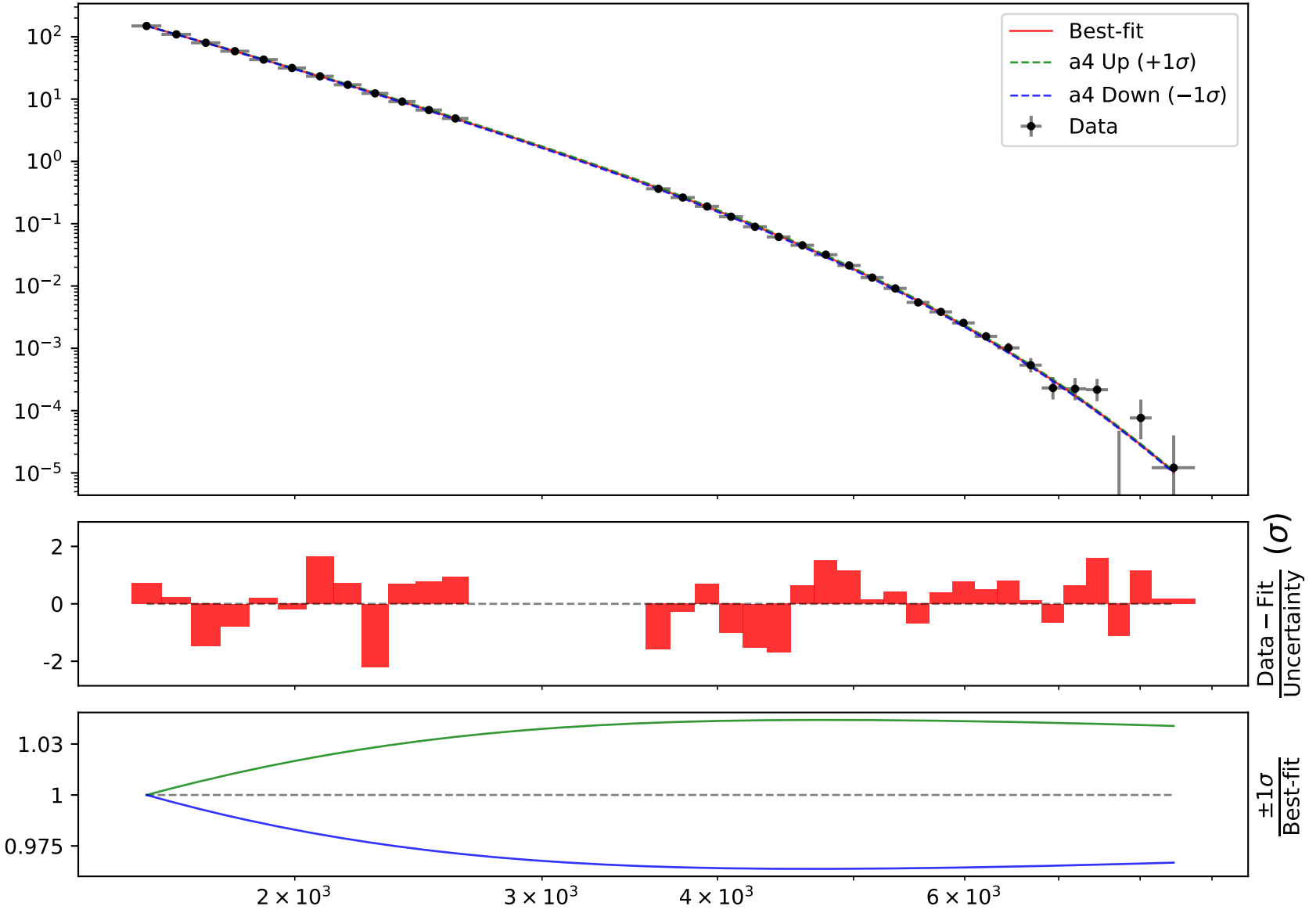
$a1 = -0.544$, $a2 = -0.75775^{+0.0257(3.39\%)}_{-0.0257(3.39\%)}$,

$a3 = 0.00140715^{+0.000314(22.3\%)}_{-0.000314(22.3\%)}$, $\mathbf{a4 = 0.410494^{+0.00922(2.25\%)}_{-0.00922(2.25\%)}}$,

$a5 = 1.63508^{+0.0847(5.18\%)}_{-0.0847(5.18\%)}$, $a6 = 1.04$

Candidate #18

χ^2/NDF = 35.22/31, RMSE = 0.03265, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

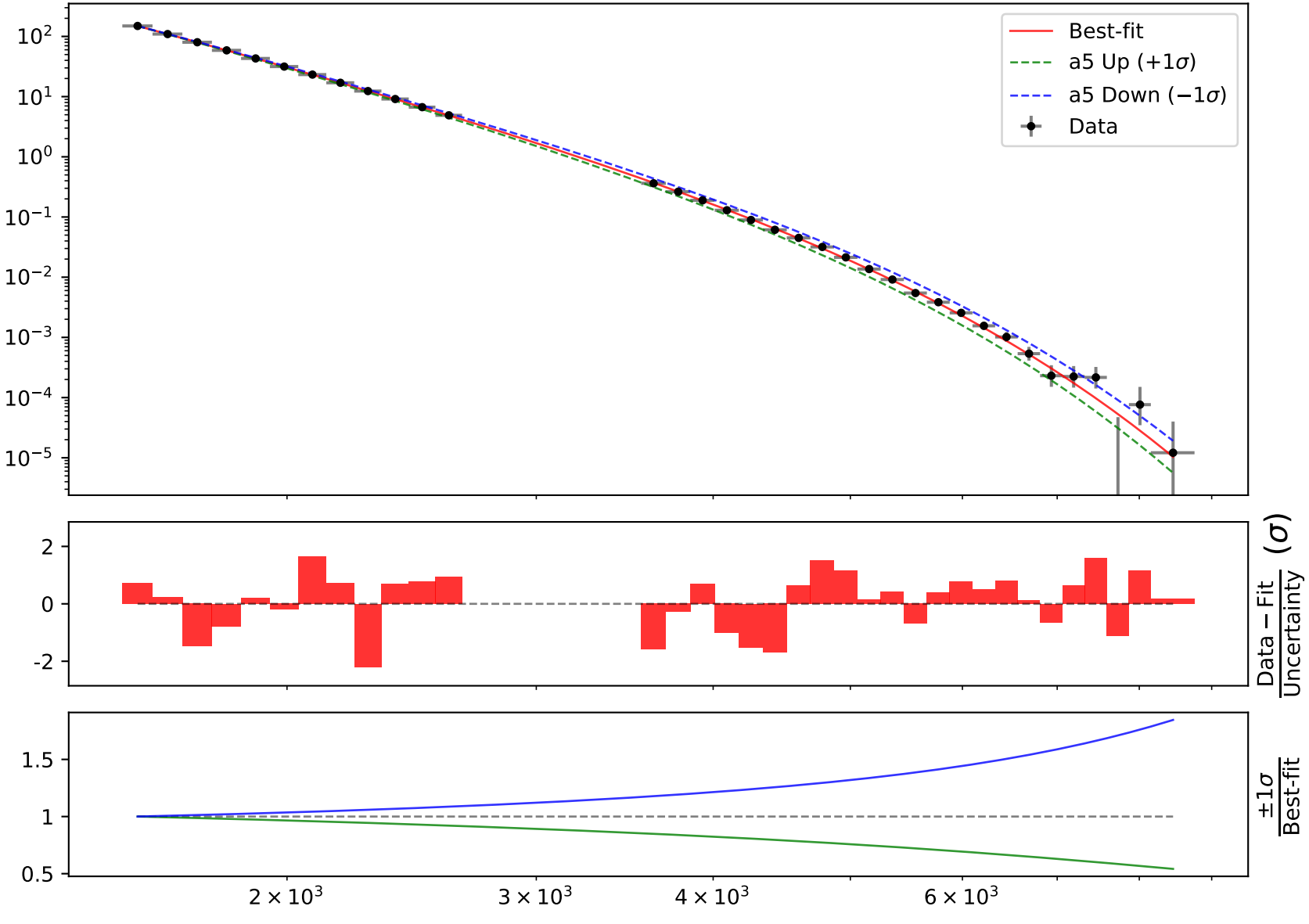
$a1 = -0.544$, $a2 = -0.75775^{+0.0257(3.39\%)}_{-0.0257(3.39\%)}$,

$a3 = 0.00140715^{+0.000314(22.3\%)}_{-0.000314(22.3\%)}$, $a4 = 0.410494^{+0.00922(2.25\%)}_{-0.00922(2.25\%)}$,

$a5 = 1.63508^{+0.0847(5.18\%)}_{-0.0847(5.18\%)}$, $a6 = 1.04$

Candidate #18

χ^2/NDF = 35.22/31, RMSE = 0.03265, R2 = 1.0



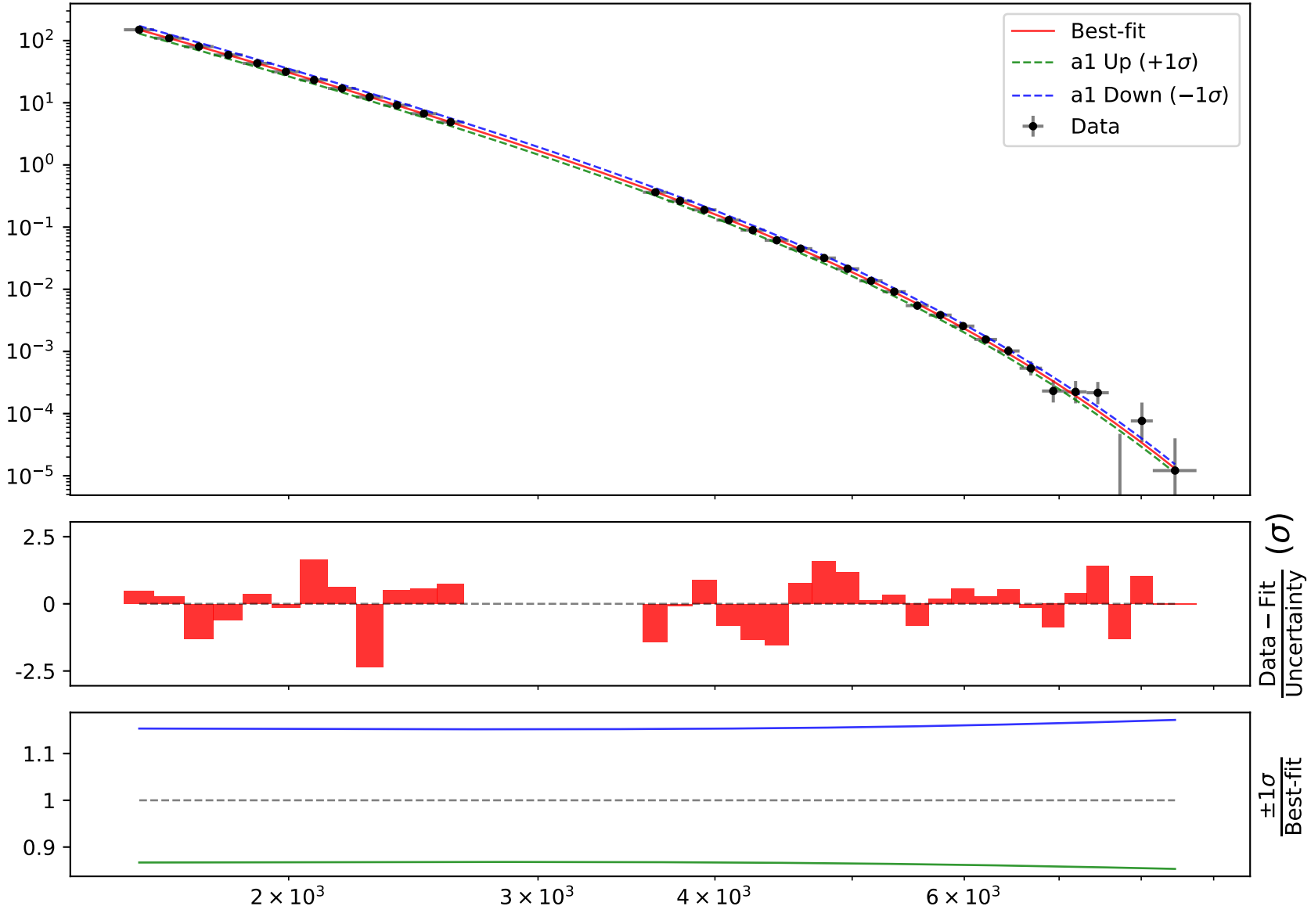
Candidate function #17

1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a2 + ((x0 - 1568.5) * 0.000145275))))**(a1 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

a1 = $-0.70117^{+0.02(2.85\%)}_{-0.02(2.85\%)}$, $a2 = -0.37$,
$a3 = 0.000825543^{+0.000168(20.4\%)}_{-0.000168(20.4\%)}$, $a4 = 0.41692^{+0.0084(2.01\%)}_{-0.0084(2.01\%)}$,
$a5 = 1.4132^{+0.0635(4.49\%)}_{-0.0635(4.49\%)}$, $a6 = 1.04$

Candidate #17

χ^2/NDF = 31.57/31, RMSE = 0.02882, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a2 + ((x0 - 1568.5) * 0.000145275))))**(a1 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

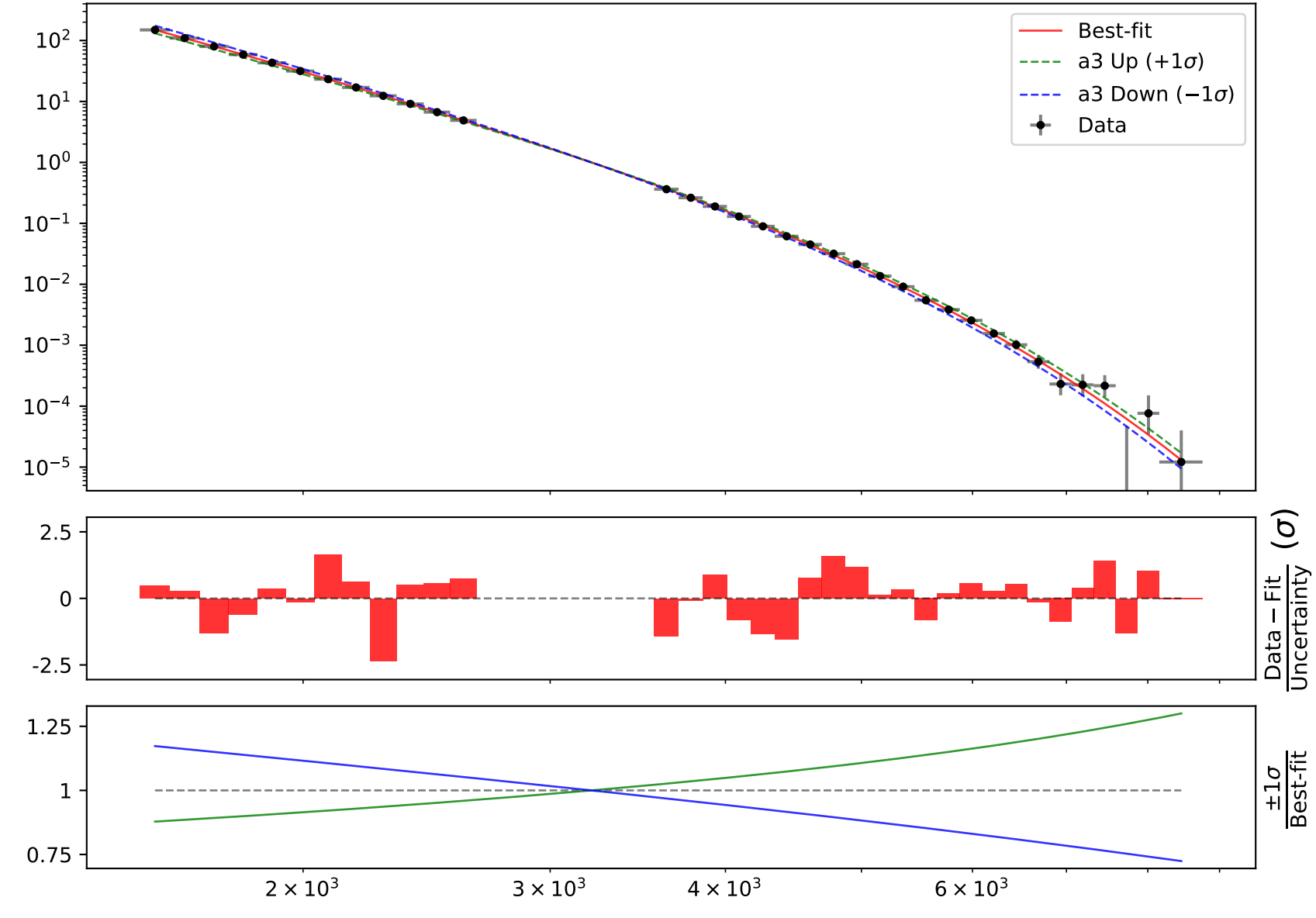
$a1 = -0.70117^{+0.02(2.85\%)}_{-0.02(2.85\%)}$, $a2 = -0.37$,

$a3 = 0.000825543^{+0.000168(20.4\%)}_{-0.000168(20.4\%)}$, $a4 = 0.41692^{+0.0084(2.01\%)}_{-0.0084(2.01\%)}$,

$a5 = 1.4132^{+0.0635(4.49\%)}_{-0.0635(4.49\%)}$, $a6 = 1.04$

Candidate #17

χ^2/NDF = 31.57/31, RMSE = 0.02882, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a2 + ((x0 - 1568.5) * 0.000145275))))**(a1 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

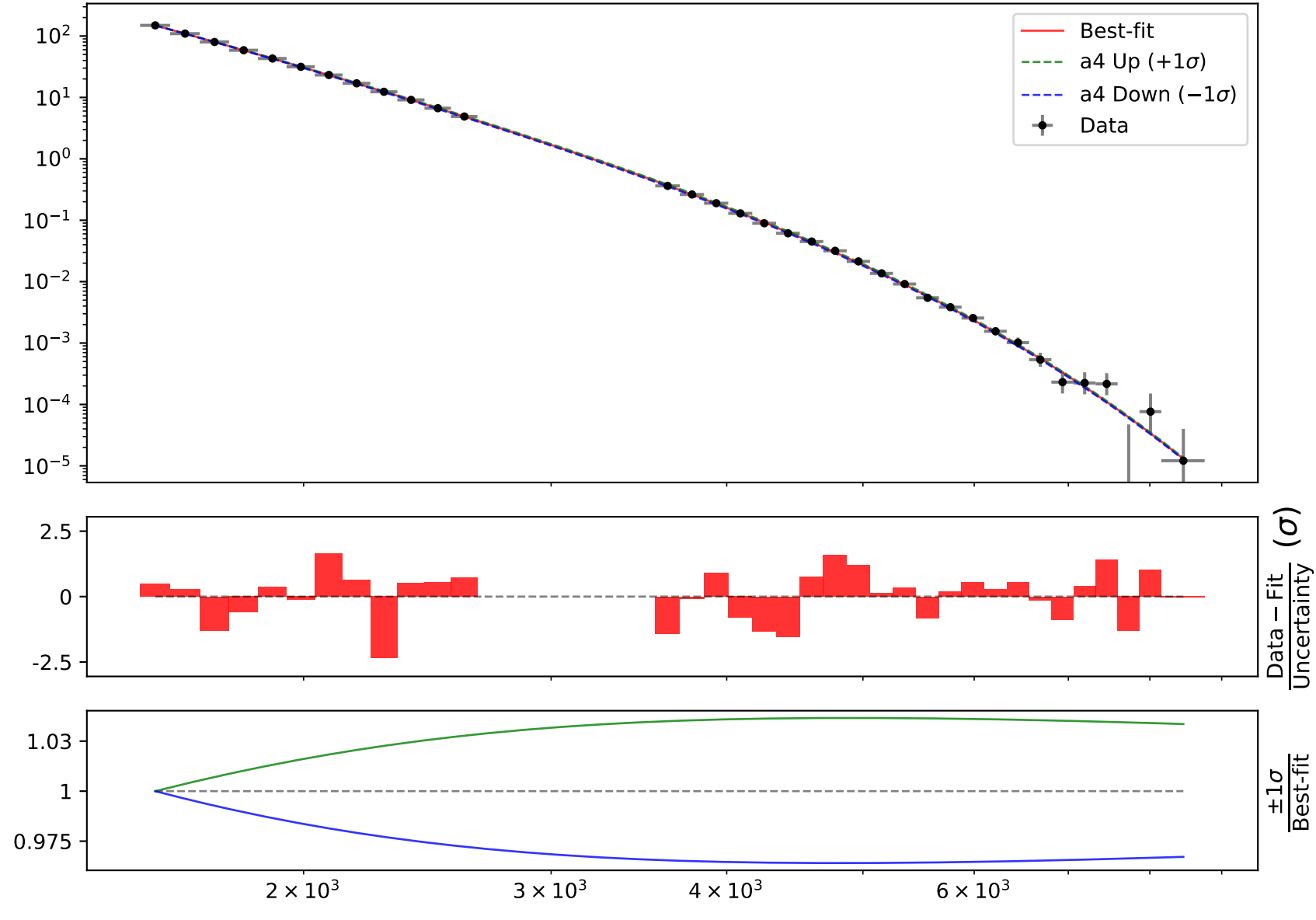
$a1 = -0.70117^{+0.02(2.85\%)}_{-0.02(2.85\%)}$, $a2 = -0.37$,

$a3 = 0.000825543^{+0.000168(20.4\%)}_{-0.000168(20.4\%)}$, $\mathbf{a4 = 0.41692^{+0.0084(2.01\%)}_{-0.0084(2.01\%)}}$,

$a5 = 1.4132^{+0.0635(4.49\%)}_{-0.0635(4.49\%)}$, $a6 = 1.04$

Candidate #17

χ^2/NDF = 31.57/31, RMSE = 0.02882, R2 = 1.0



1.0*((a3/(a6 + 2*((x0 - 1568.5) * 0.000145275)*(a2 + ((x0 - 1568.5) * 0.000145275))))**(a1 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

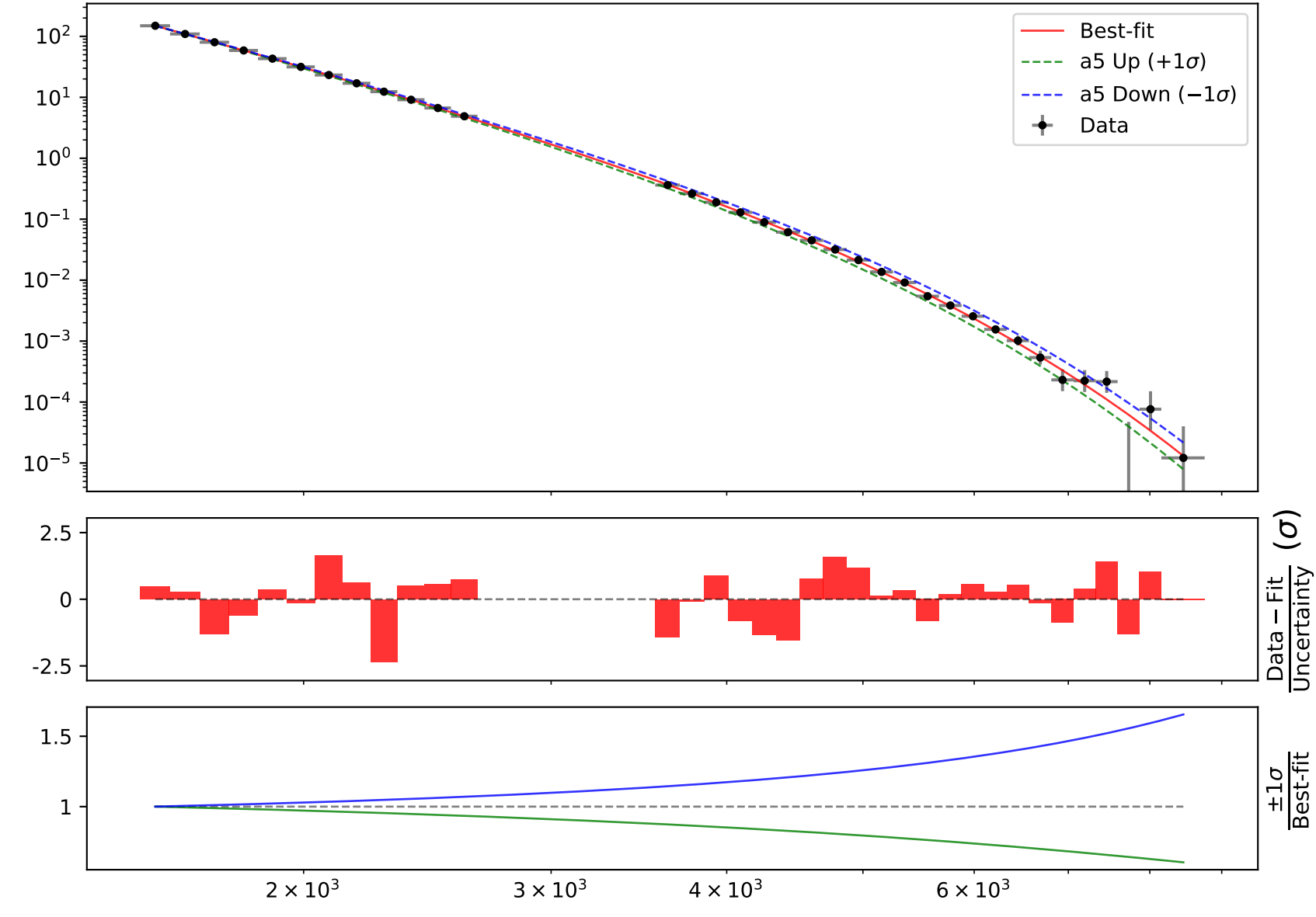
$a1 = -0.70117^{+0.02(2.85\%)}_{-0.02(2.85\%)}$, $a2 = -0.37$,

$a3 = 0.000825543^{+0.000168(20.4\%)}_{-0.000168(20.4\%)}$, $a4 = 0.41692^{+0.0084(2.01\%)}_{-0.0084(2.01\%)}$,

$a5 = 1.4132^{+0.0635(4.49\%)}_{-0.0635(4.49\%)}$, $a6 = 1.04$

Candidate #17

χ^2/NDF = 31.57/31, RMSE = 0.02882, R2 = 1.0



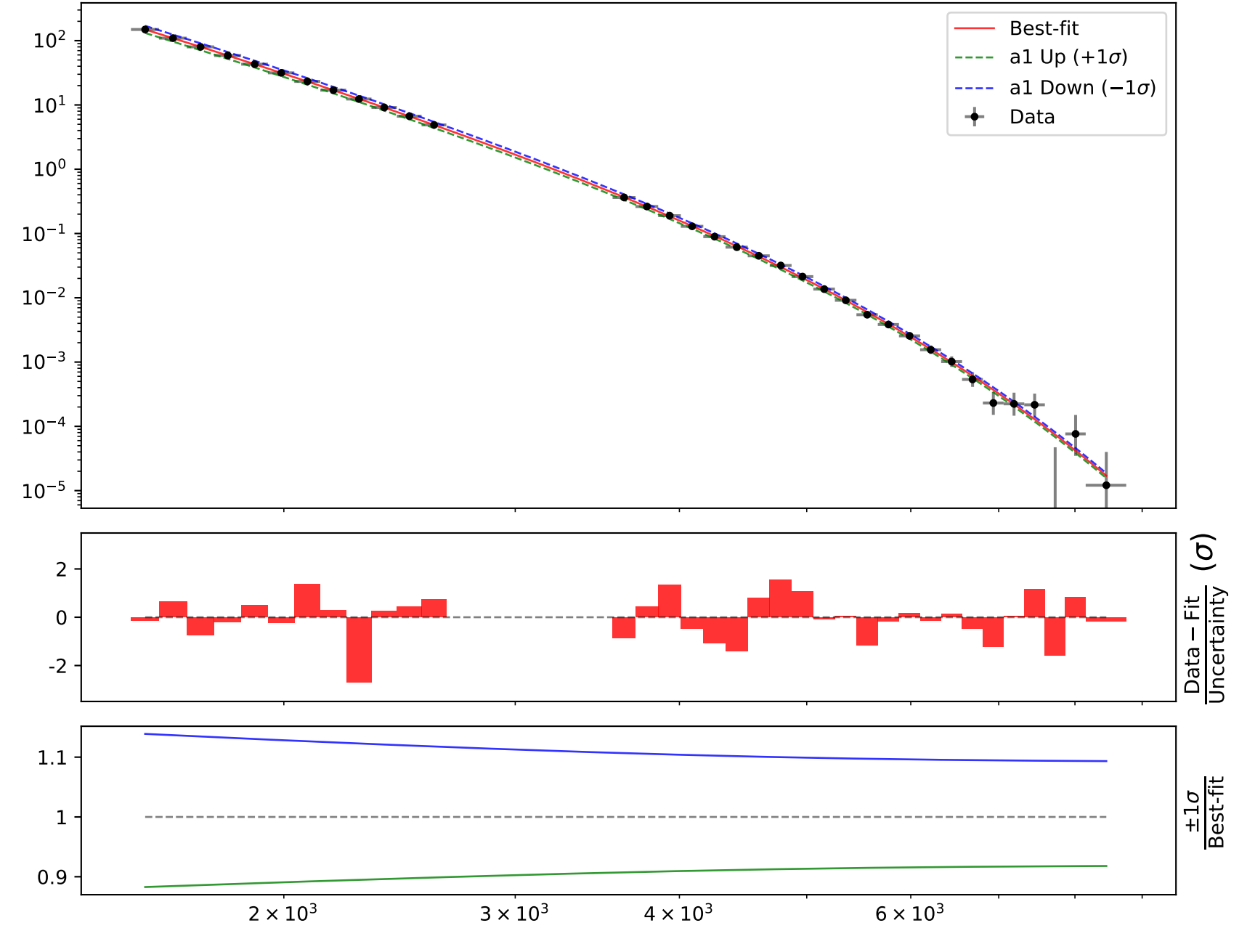
Candidate function #16

1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000145275)))**(a1 + a4*((x0 - 1568.5) * 0.000145275)))

a1 = $-1.18063^{+0.02941(2.49\%)}_{-0.03067(2.6\%)}$, a2 = $0.014407^{+0.001637(11.4\%)}_{-0.001482(10.3\%)}$,
a3 = $0.0415555^{+0.003236(7.79\%)}_{-0.003057(7.36\%)}$, a4 = $4.95336^{+0.1301(2.63\%)}_{-0.1246(2.52\%)}$

Candidate #16

χ^2/NDF = 29.06/31, RMSE = 0.02363, R2 = 1.0

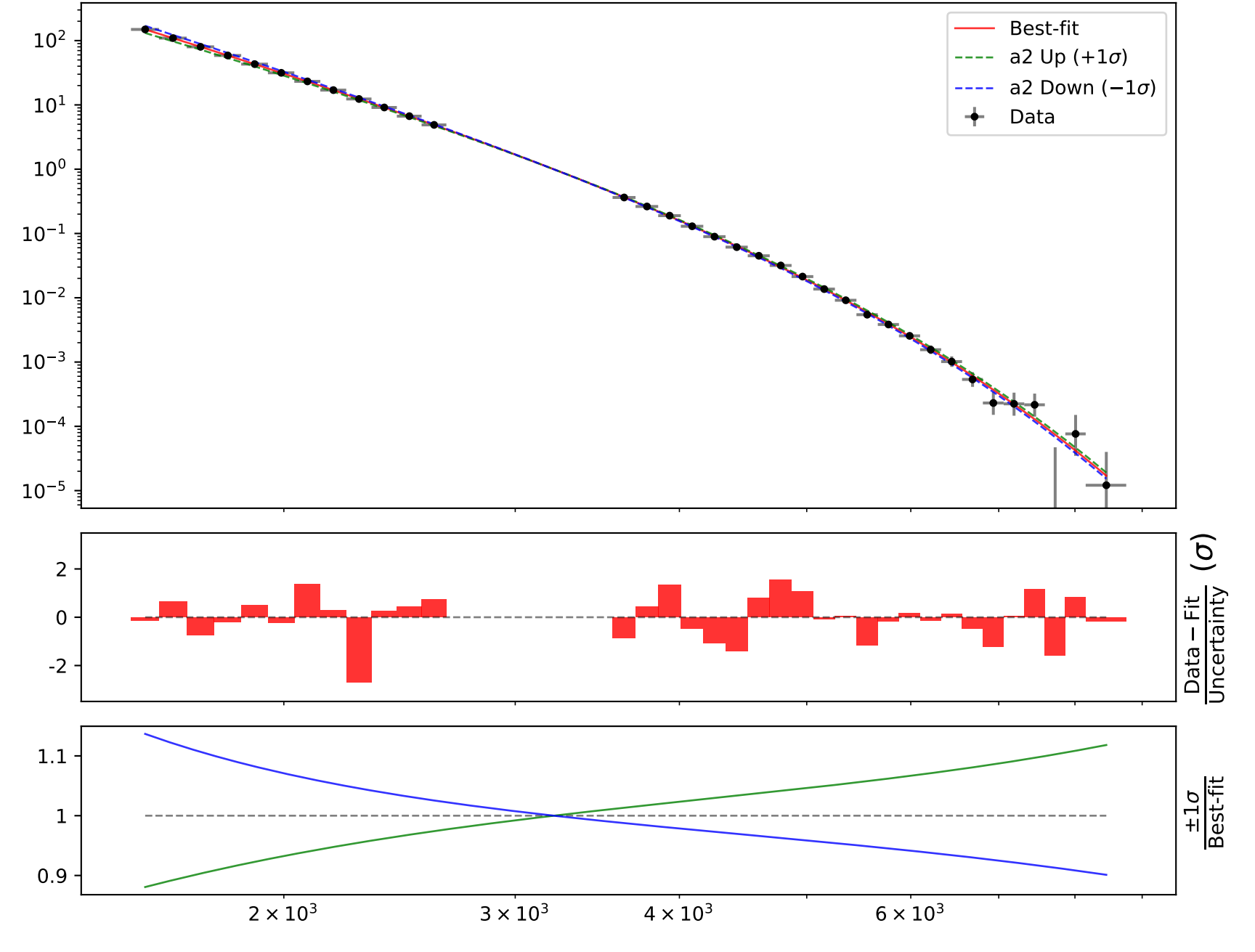


1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000145275)))**(a1 + a4*((x0 - 1568.5) * 0.000145275)))

$a1 = -1.18063^{+0.02941(2.49\%)}_{-0.03067(2.6\%)}$, **$a2 = 0.014407^{+0.001637(11.4\%)}_{-0.001482(10.3\%)}$**,
$a3 = 0.0415555^{+0.003236(7.79\%)}_{-0.003057(7.36\%)}$, $a4 = 4.95336^{+0.1301(2.63\%)}_{-0.1246(2.52\%)}$

Candidate #16

χ^2/NDF = 29.06/31, RMSE = 0.02363, R2 = 1.0

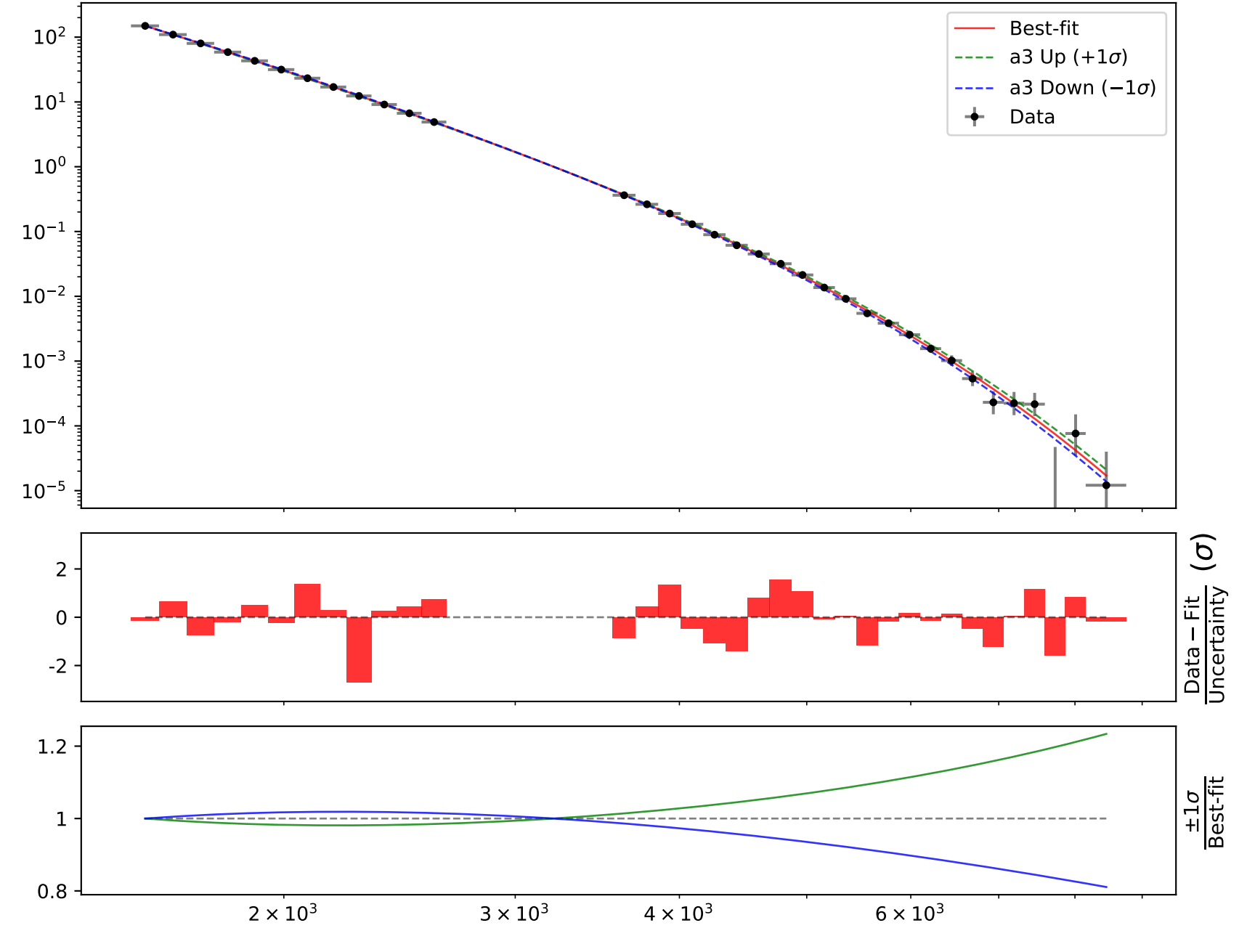


1.0*((a2 + a3*tanh(2*((x0 - 1568.5) * 0.000145275)))**(a1 + a4*((x0 - 1568.5) * 0.000145275)))

$a1 = -1.18063^{+0.02941(2.49\%)}_{-0.03067(2.6\%)}$, $a2 = 0.014407^{+0.001637(11.4\%)}_{-0.001482(10.3\%)}$,
$a3 = 0.0415555^{+0.003236(7.79\%)}_{-0.003057(7.36\%)}$, $a4 = 4.95336^{+0.1301(2.63\%)}_{-0.1246(2.52\%)}$

Candidate #16

χ^2/NDF = 29.06/31, RMSE = 0.02363, R2 = 1.0

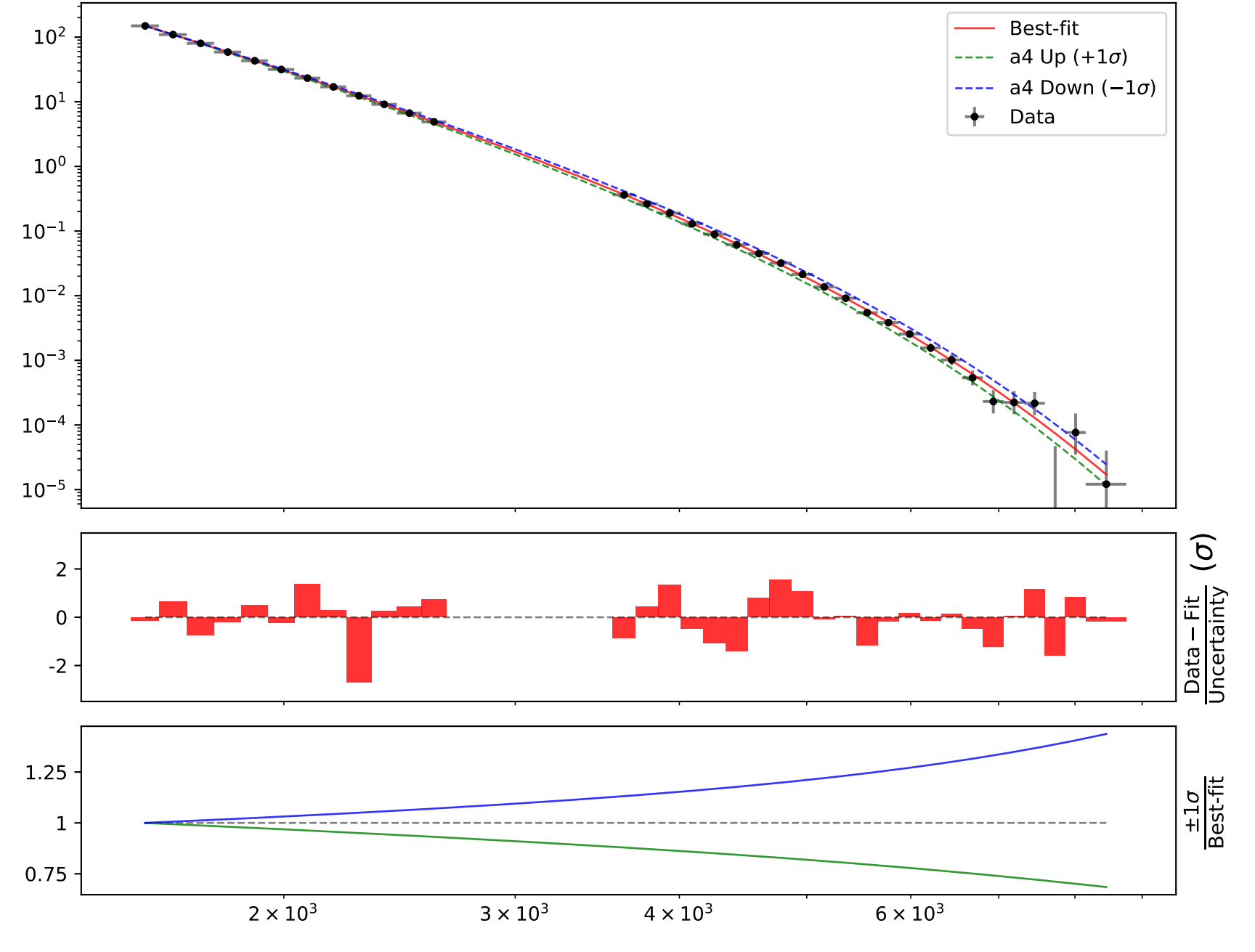


$1.0*((a2 + a3*\tanh(2*((x0 - 1568.5) * 0.000145275)))**(a1 + a4*((x0 - 1568.5) * 0.000145275)))$

$a1 = -1.18063^{+0.02941(2.49\%)}_{-0.03067(2.6\%)}$, $a2 = 0.014407^{+0.001637(11.4\%)}_{-0.001482(10.3\%)}$,
$a3 = 0.0415555^{+0.003236(7.79\%)}_{-0.003057(7.36\%)}$, $\mathbf{a4 = 4.95336^{+0.1301(2.63\%)}_{-0.1246(2.52\%)}}$

Candidate #16

χ^2/NDF = 29.06/31, RMSE = 0.02363, R2 = 1.0



Candidate function #15

1.0*((a3/(a6 + ((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

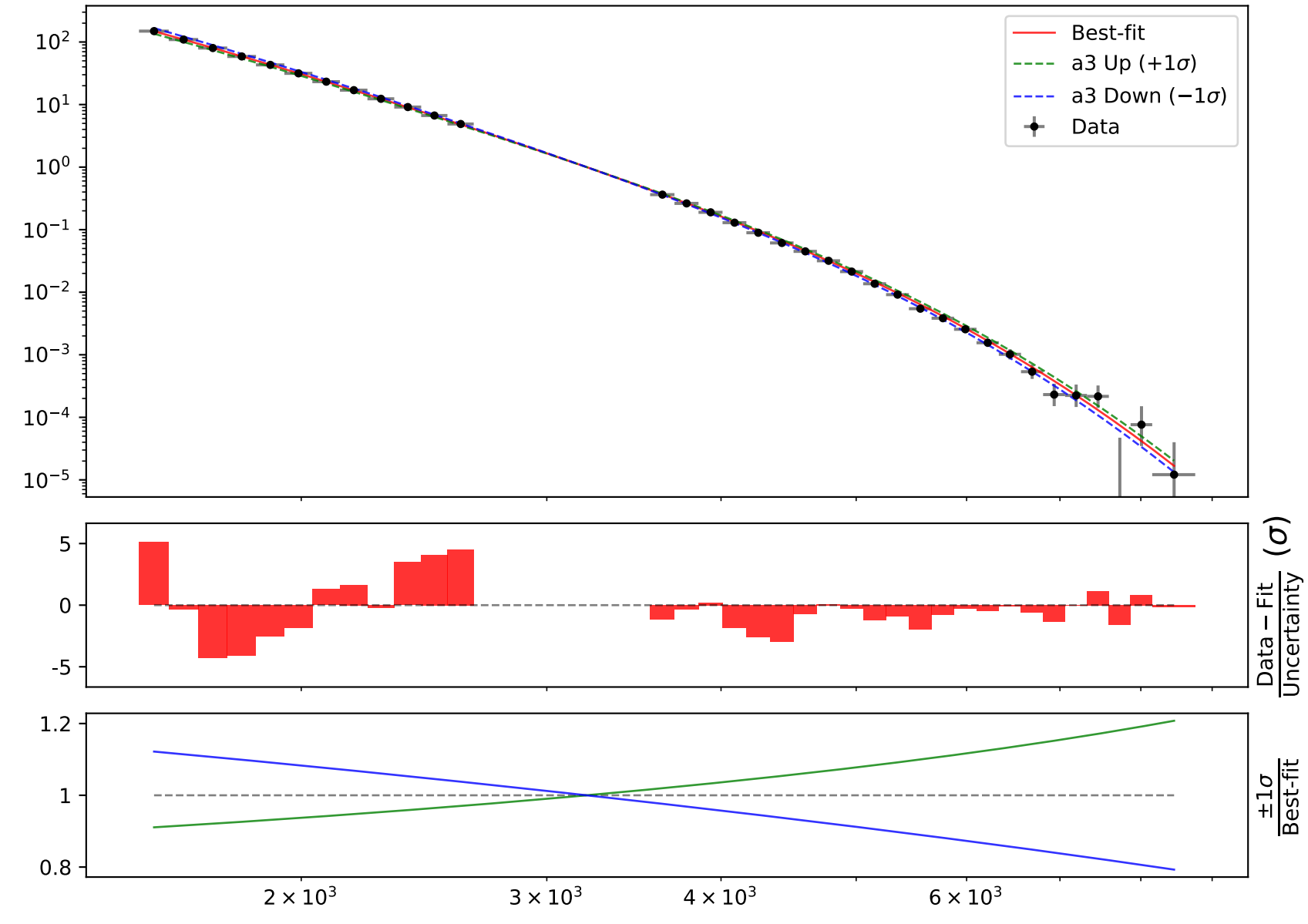
$a1 = -0.609$, $a2 = -0.502$,

$a3 = 1.28458e-05^{+2.63e-06(20.5\%)}_{-2.63e-06(20.5\%)}$, $a4 = 0.573905^{+0.0155(2.7\%)}_{-0.0155(2.7\%)}$,

$a5 = 0.879901^{+0.0221(2.51\%)}_{-0.0221(2.51\%)}$, $a6 = 0.272846^{+0.0559(20.5\%)}_{-0.0559(20.5\%)}$

Candidate #15

χ^2/NDF = 160.0/31, RMSE = 0.1354, R2 = 1.0



1.0*((a3/(a6 + ((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.609$, $a2 = -0.502$,

$a3 = 1.28458e-05^{+2.63e-06(20.5\%)}_{-2.63e-06(20.5\%)}$, **$a4 = 0.573905^{+0.0155(2.7\%)}_{-0.0155(2.7\%)}$**,

$a5 = 0.879901^{+0.0221(2.51\%)}_{-0.0221(2.51\%)}$, $a6 = 0.272846^{+0.0559(20.5\%)}_{-0.0559(20.5\%)}$

Candidate #15

χ^2/NDF = 160.0/31, RMSE = 0.1354, R2 = 1.0

1.0*((a3/(a6 + ((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

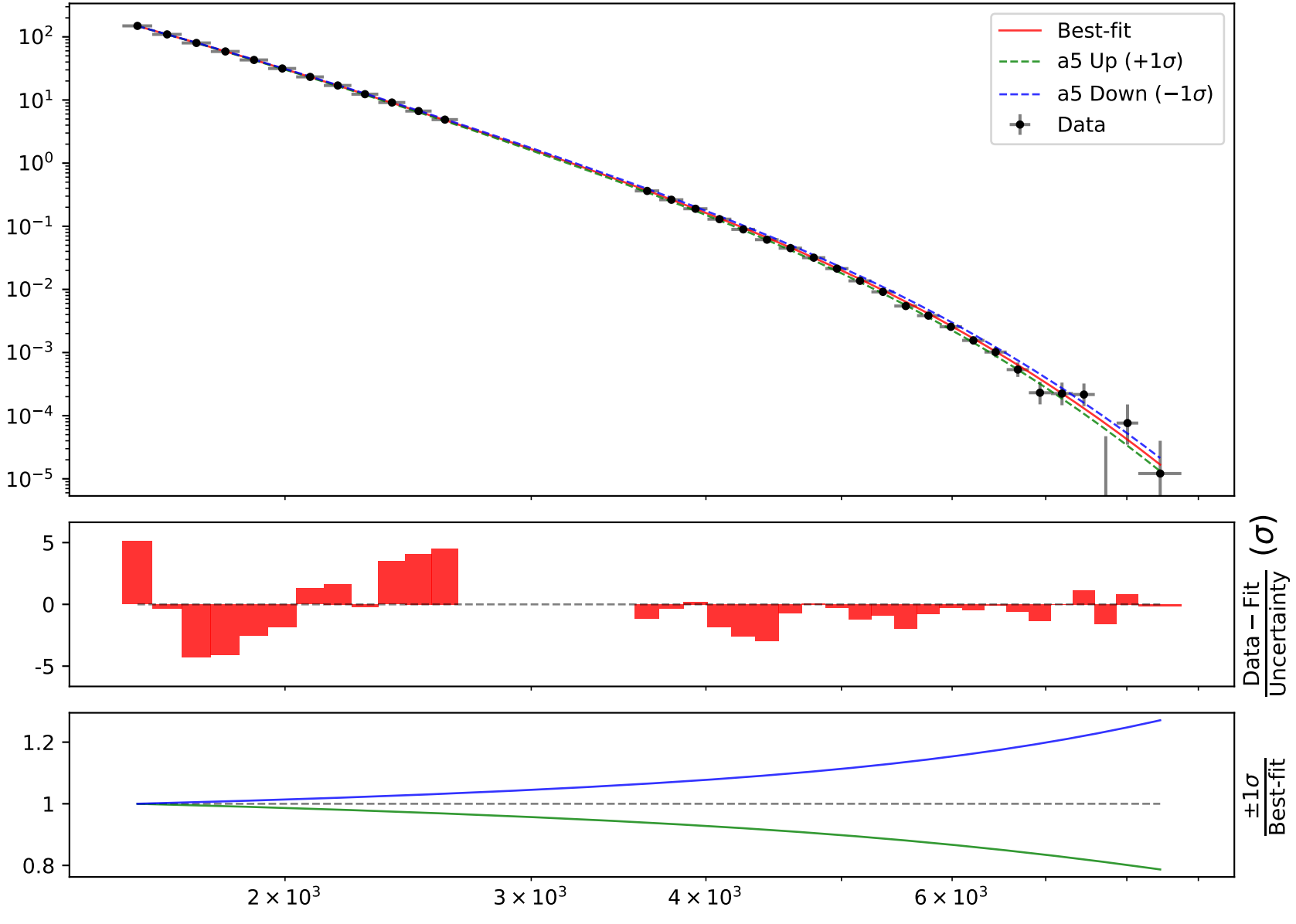
$a1 = -0.609$, $a2 = -0.502$,

$a3 = 1.28458e-05^{+2.63e-06(20.5\%)}_{-2.63e-06(20.5\%)}$, $a4 = 0.573905^{+0.0155(2.7\%)}_{-0.0155(2.7\%)}$,

$a5 = 0.879901^{+0.0221(2.51\%)}_{-0.0221(2.51\%)}$, $a6 = 0.272846^{+0.0559(20.5\%)}_{-0.0559(20.5\%)}$

Candidate #15

χ^2/NDF = 160.0/31, RMSE = 0.1354, R2 = 1.0



1.0*((a3/(a6 + ((x0 - 1568.5) * 0.000145275)*(a1 + ((x0 - 1568.5) * 0.000145275))))**(a2 + a5*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a4 + ((x0 - 1568.5) * 0.000145275))))

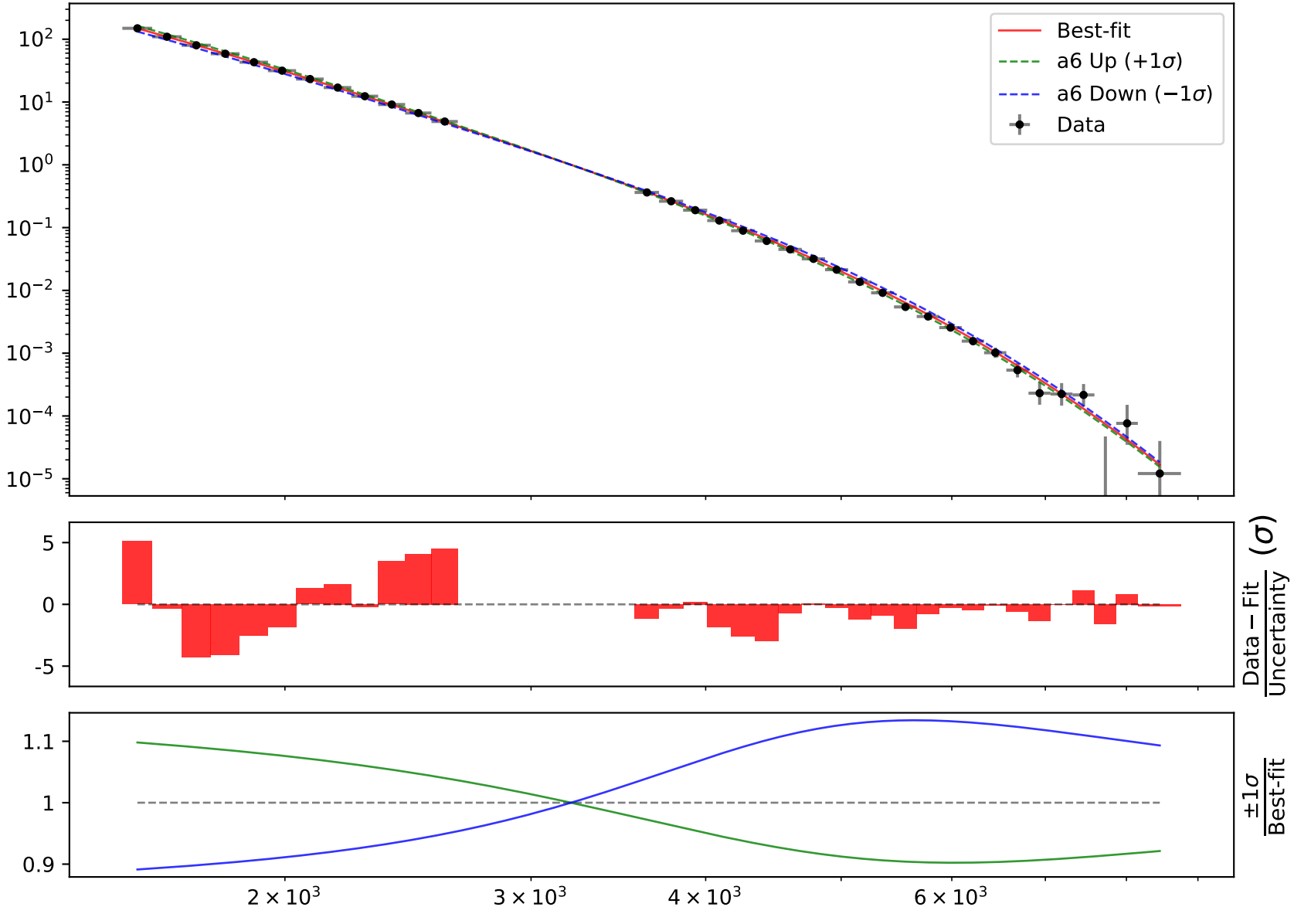
$a1 = -0.609$, $a2 = -0.502$,

$a3 = 1.28458e-05^{+2.63e-06(20.5\%)}_{-2.63e-06(20.5\%)}$, $a4 = 0.573905^{+0.0155(2.7\%)}_{-0.0155(2.7\%)}$,

$a5 = 0.879901^{+0.0221(2.51\%)}_{-0.0221(2.51\%)}$, $\mathbf{a6 = 0.272846^{+0.0559(20.5\%)}_{-0.0559(20.5\%)}}$

Candidate #15

χ^2/NDF = 160.0/31, RMSE = 0.1354, R2 = 1.0



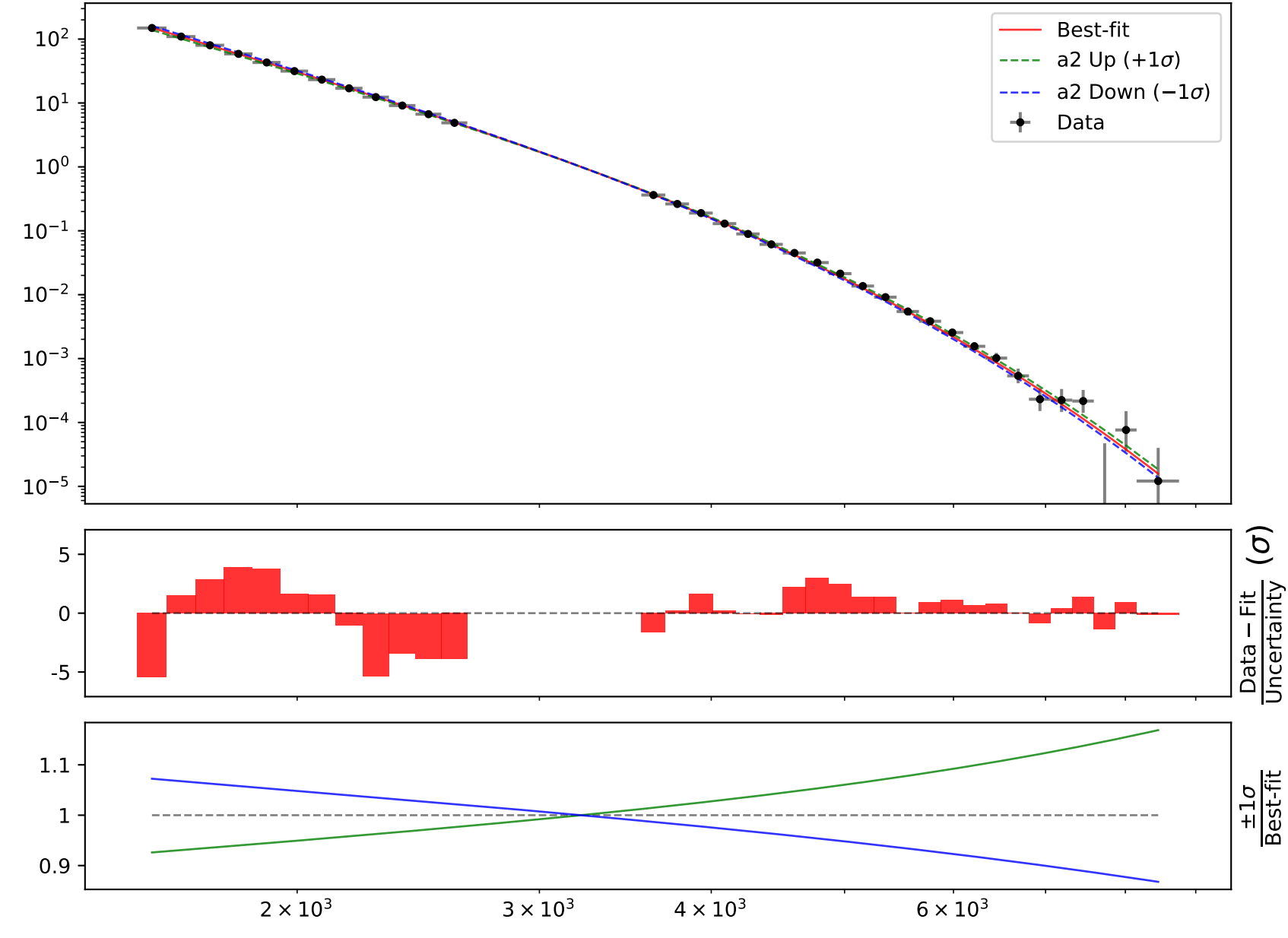
Candidate function #14

1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $\mathbf{a2 = 5.89188e-05^{+9.747e-06(16.5\%)}_{-7.657e-06(13.0\%)}}$,
$a3 = 0.577084^{+0.003771(0.653\%)}_{-0.003823(0.662\%)}$, $a4 = 1.27257^{+0.2116(16.6\%)}_{-0.1662(13.1\%)}$

Candidate #14

χ^2/NDF = 184.5/32, RMSE = 0.1398, R2 = 1.0



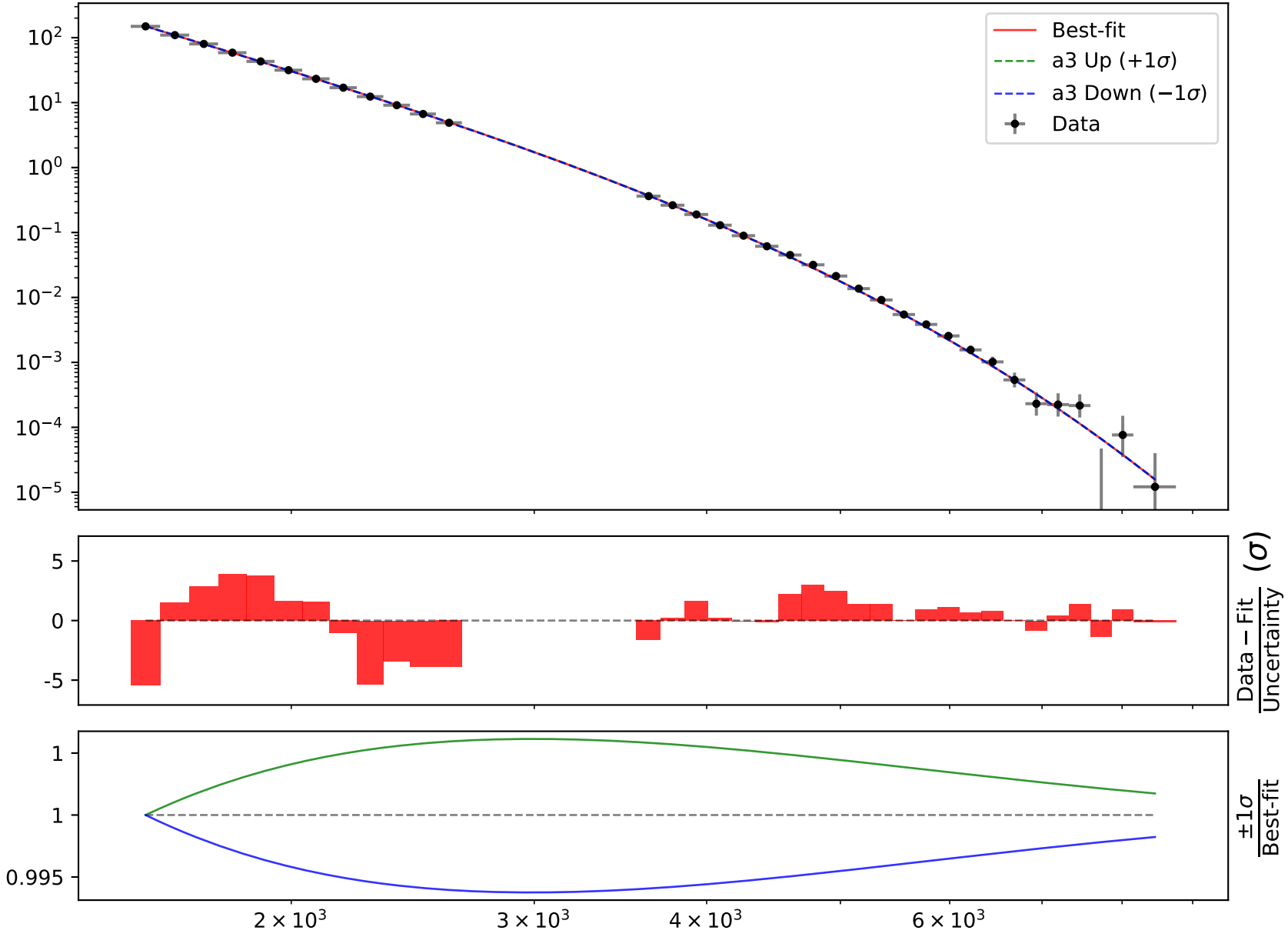
1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 5.89188e-05^{+9.747e-06(16.5\%)}_{-7.657e-06(13.0\%)}$,

$a3 = 0.577084^{+0.003771(0.653\%)}_{-0.003823(0.662\%)}$, $a4 = 1.27257^{+0.2116(16.6\%)}_{-0.1662(13.1\%)}$

Candidate #14

χ^2/NDF = 184.5/32, RMSE = 0.1398, R2 = 1.0



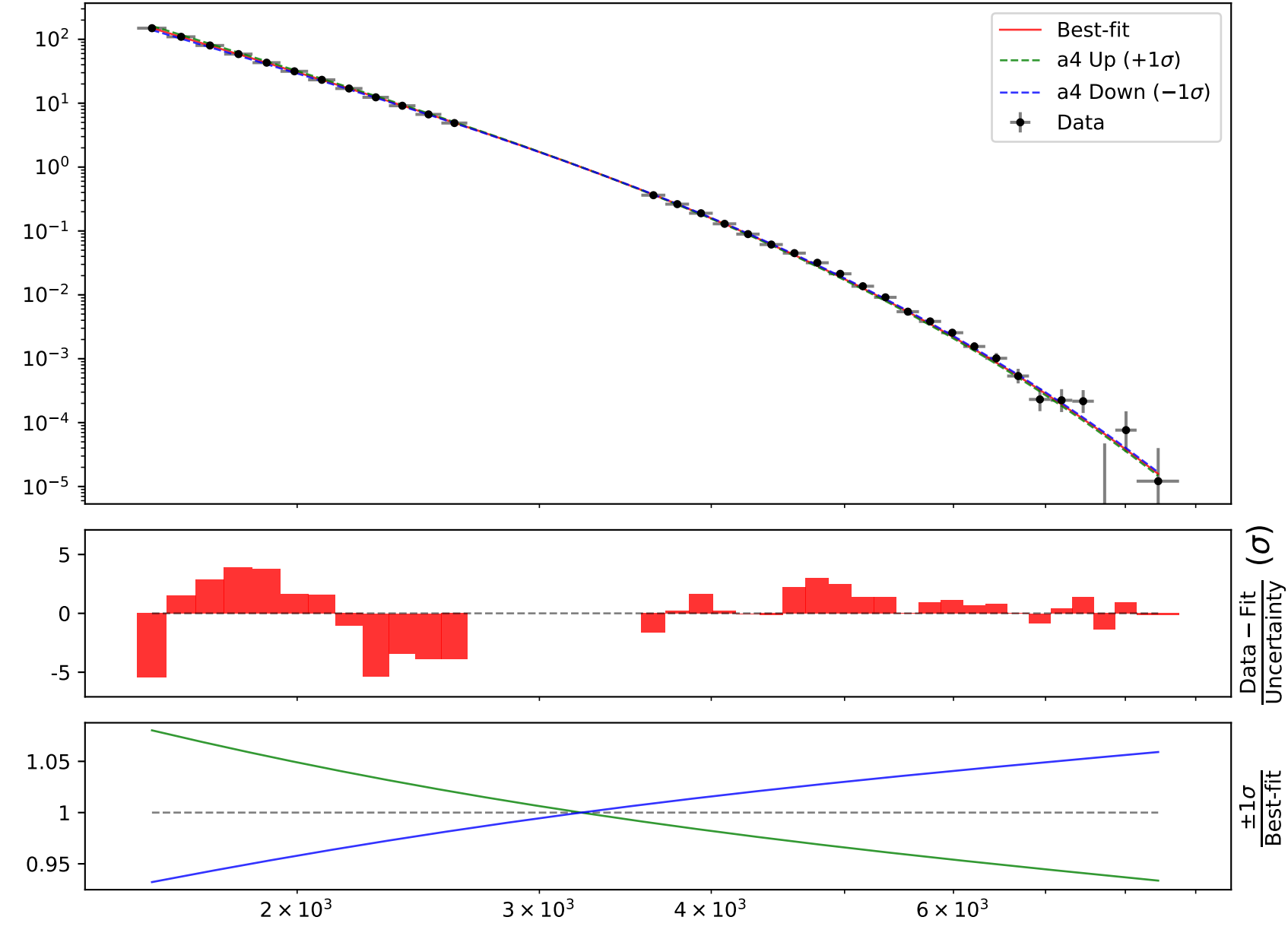
1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 5.89188e-05^{+9.747e-06(16.5\%)}_{-7.657e-06(13.0\%)}$,

$a3 = 0.577084^{+0.003771(0.653\%)}_{-0.003823(0.662\%)}$, $\mathbf{a4 = 1.27257^{+0.2116(16.6\%)}_{-0.1662(13.1\%)}}$

Candidate #14

χ^2/NDF = 184.5/32, RMSE = 0.1398, R2 = 1.0



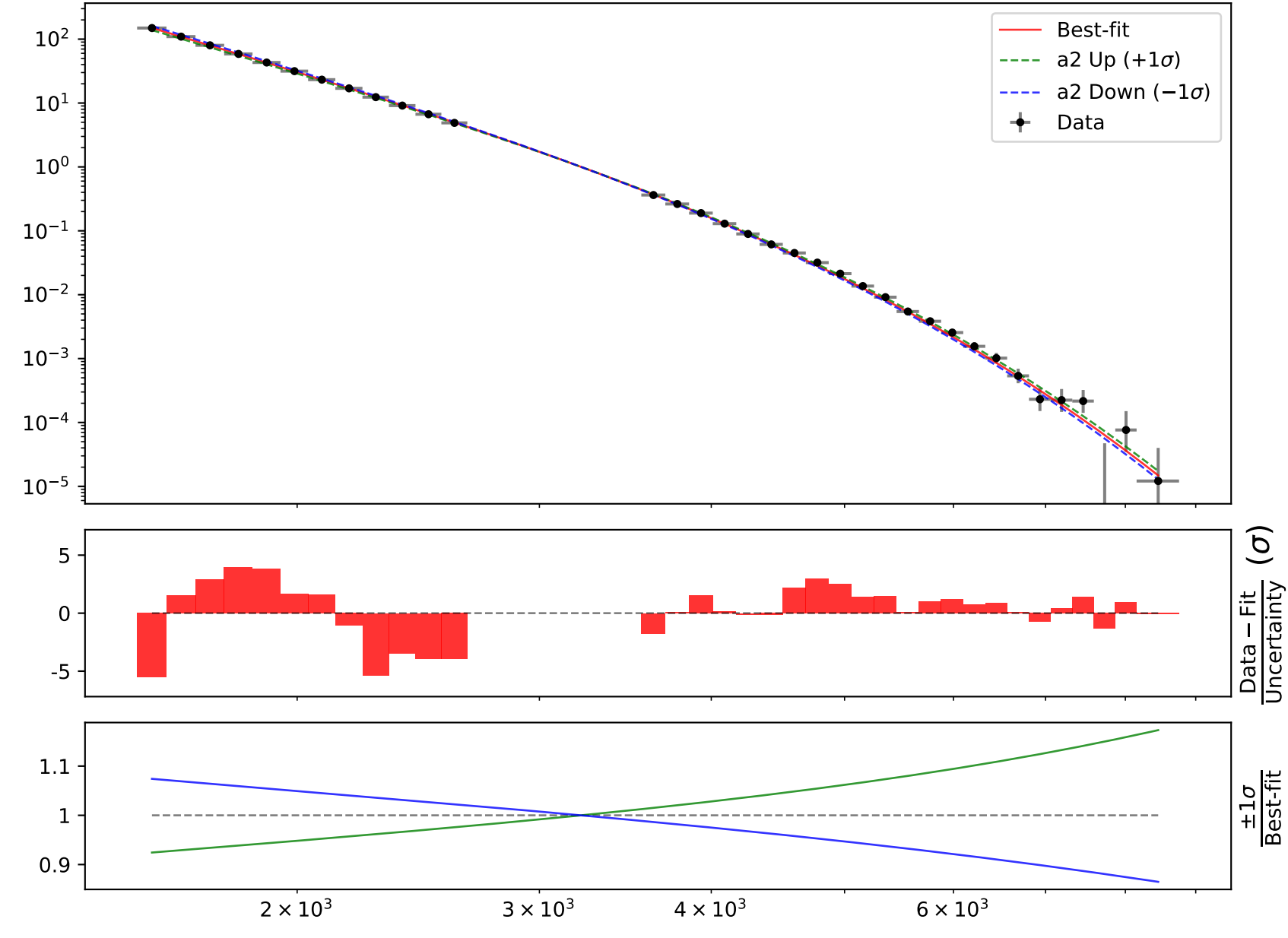
Candidate function #13

1.0*((a2/(a4 + 2*((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $\mathbf{a2 = 6.06271e-05^{+1.028e-05(17.0\%)}_{-8.048e-06(13.3\%)}}$,
$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, $a4 = 1.30963^{+0.2231(17.0\%)}_{-0.1747(13.3\%)}$

Candidate #13

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0



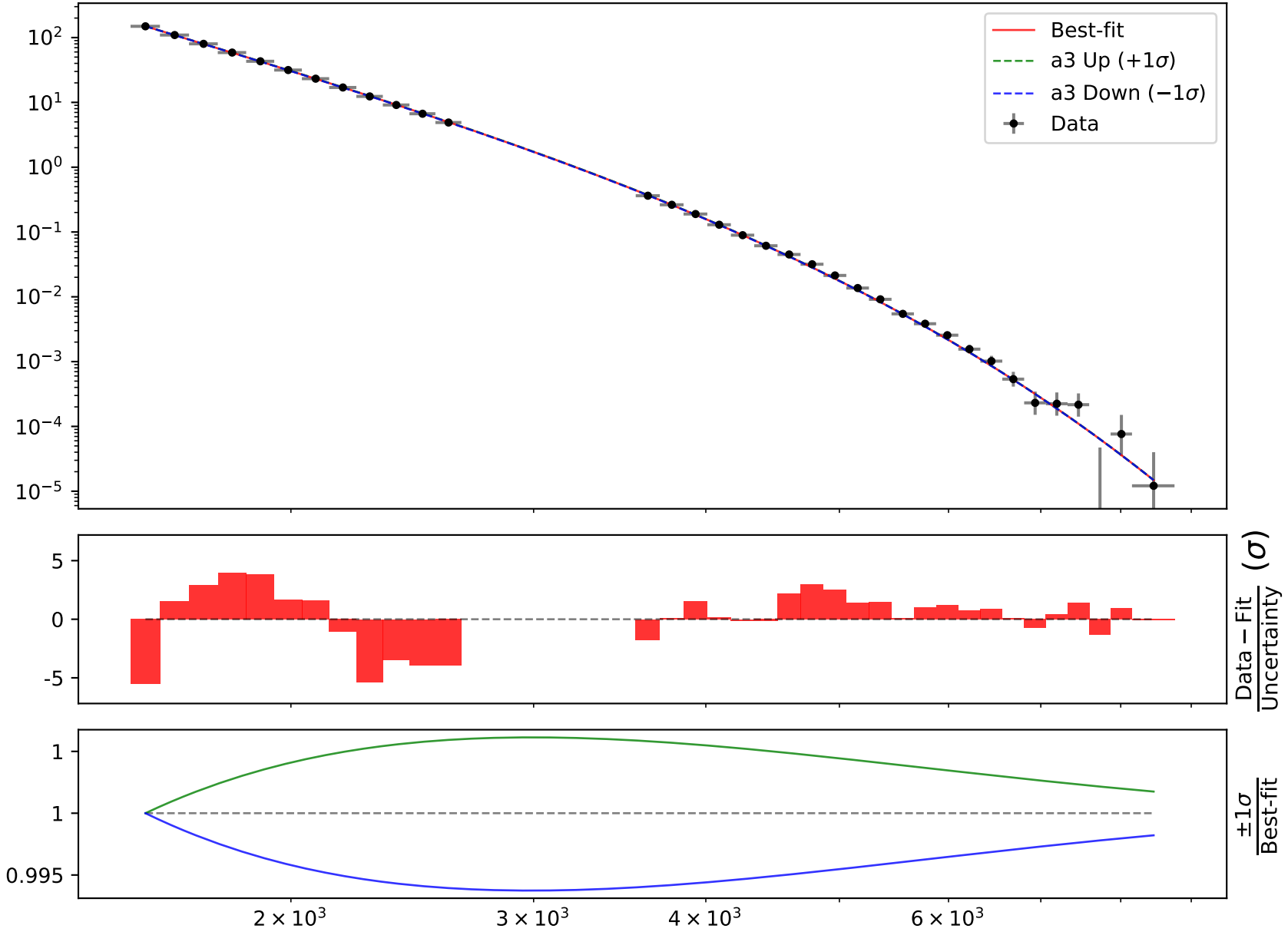
1.0*((a2/(a4 + 2*((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 6.06271e-05^{+1.028e-05(17.0\%)}_{-8.048e-06(13.3\%)}$,

$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, $a4 = 1.30963^{+0.2231(17.0\%)}_{-0.1747(13.3\%)}$

Candidate #13

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0

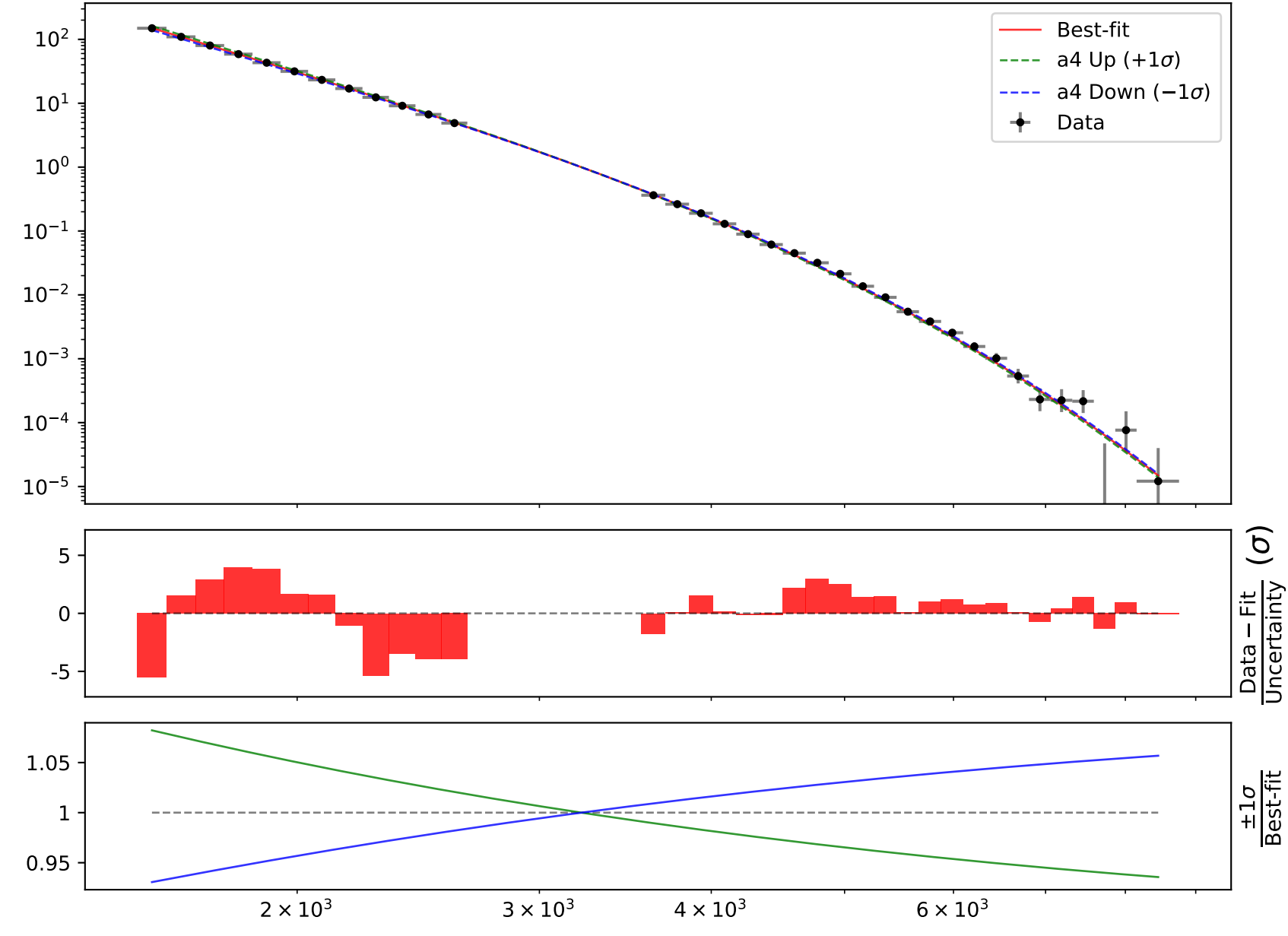


1.0*((a2/(a4 + 2*((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 6.06271e-05^{+1.028e-05(17.0\%)}_{-8.048e-06(13.3\%)}$,
$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, $\mathbf{a4 = 1.30963^{+0.2231(17.0\%)}_{-0.1747(13.3\%)}}$

Candidate #13

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0



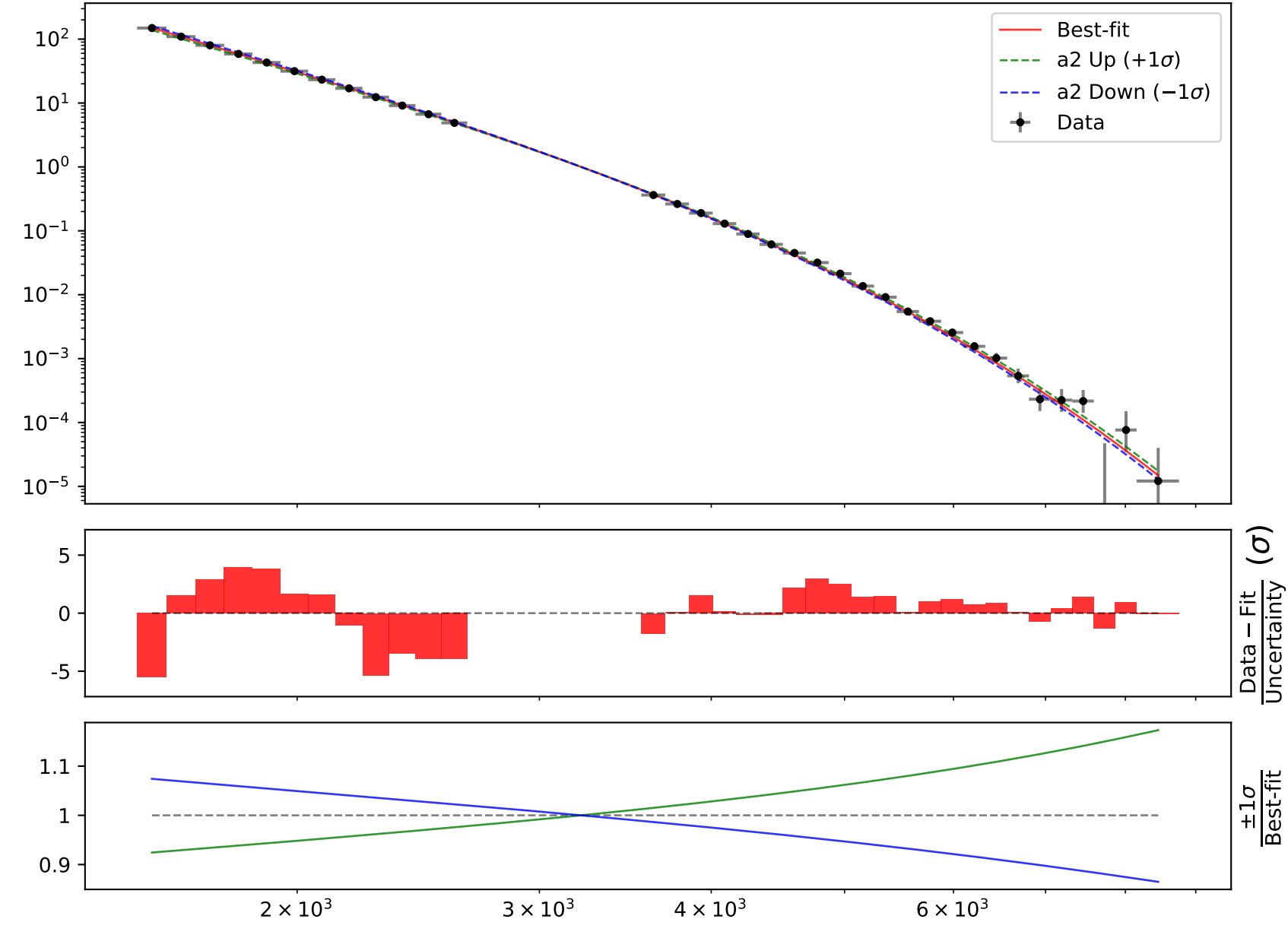
Candidate function #12

1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $\mathbf{a2 = 3.03133e-05^{+5.139e-06(17.0\%)}_{-4.024e-06(13.3\%)}}$,
$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, $a4 = 0.654808^{+0.1116(17.0\%)}_{-0.08734(13.3\%)}$

Candidate #12

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0



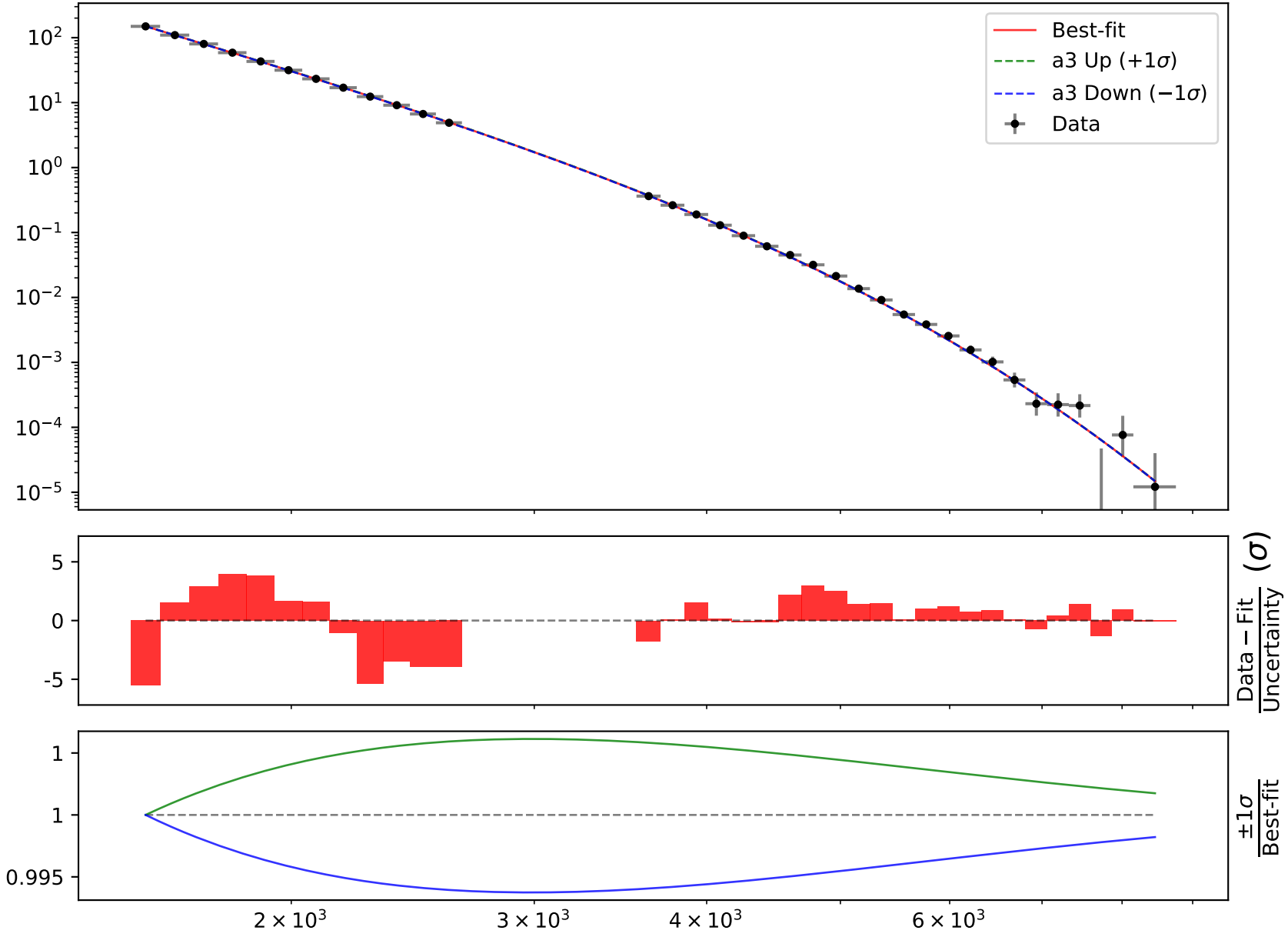
1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 3.03133e-05^{+5.139e-06(17.0\%)}_{-4.024e-06(13.3\%)}$,

$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, $a4 = 0.654808^{+0.1116(17.0\%)}_{-0.08734(13.3\%)}$

Candidate #12

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0

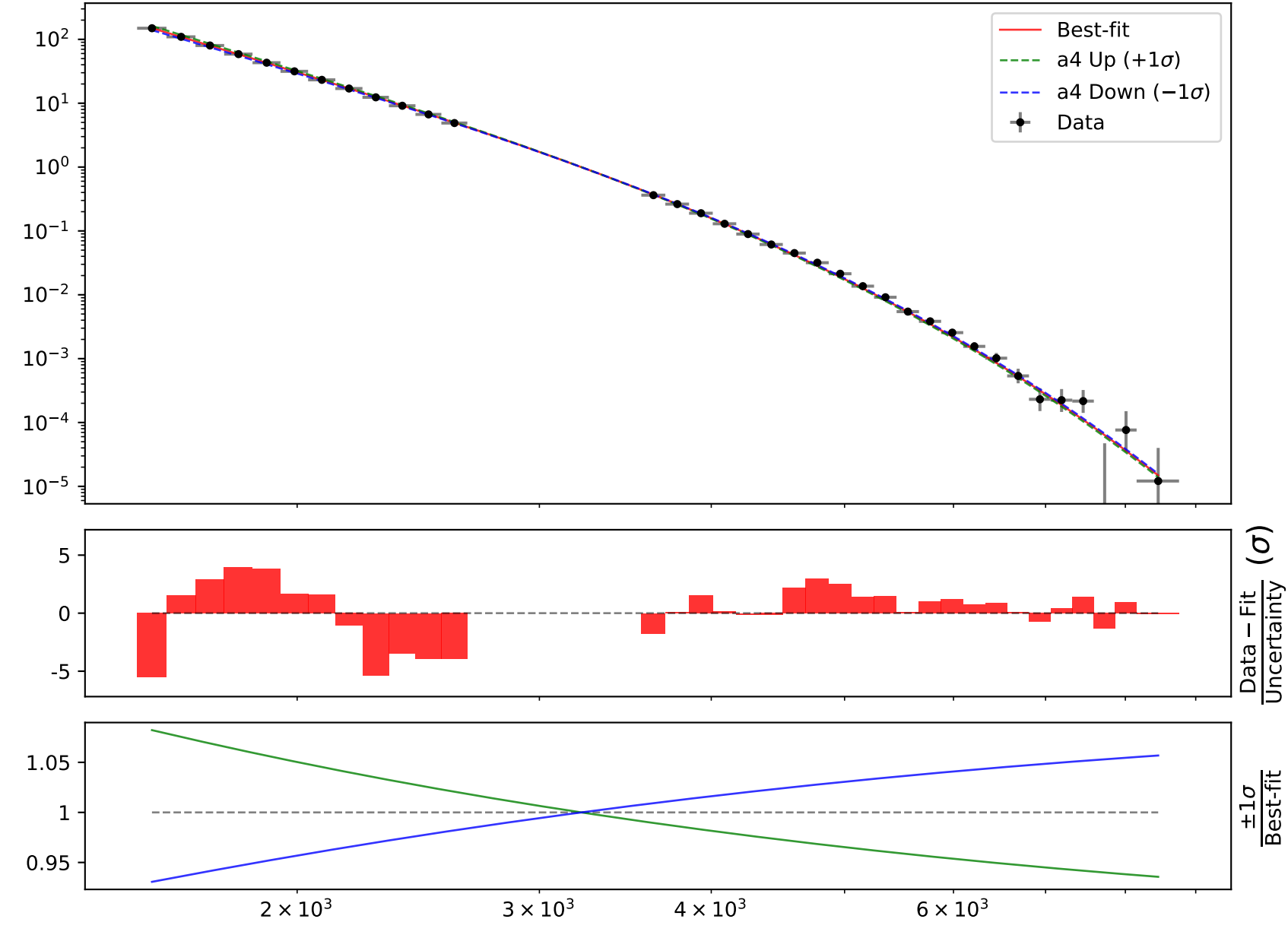


1.0*((a2/(a4 + ((x0 - 1568.5) * 0.000145275)))**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(((x0 - 1568.5) * 0.000145275) + tanh(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.502$, $a2 = 3.03133e-05^{+5.139e-06(17.0\%)}_{-4.024e-06(13.3\%)}$,
$a3 = 0.577745^{+0.003776(0.654\%)}_{-0.003838(0.664\%)}$, **$a4 = 0.654808^{+0.1116(17.0\%)}_{-0.08734(13.3\%)}$**

Candidate #12

χ^2/NDF = 189.1/32, RMSE = 0.1416, R2 = 1.0



Candidate function #11

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$\mathbf{a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}}$, $a2 = 0.00359818^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,
$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #11

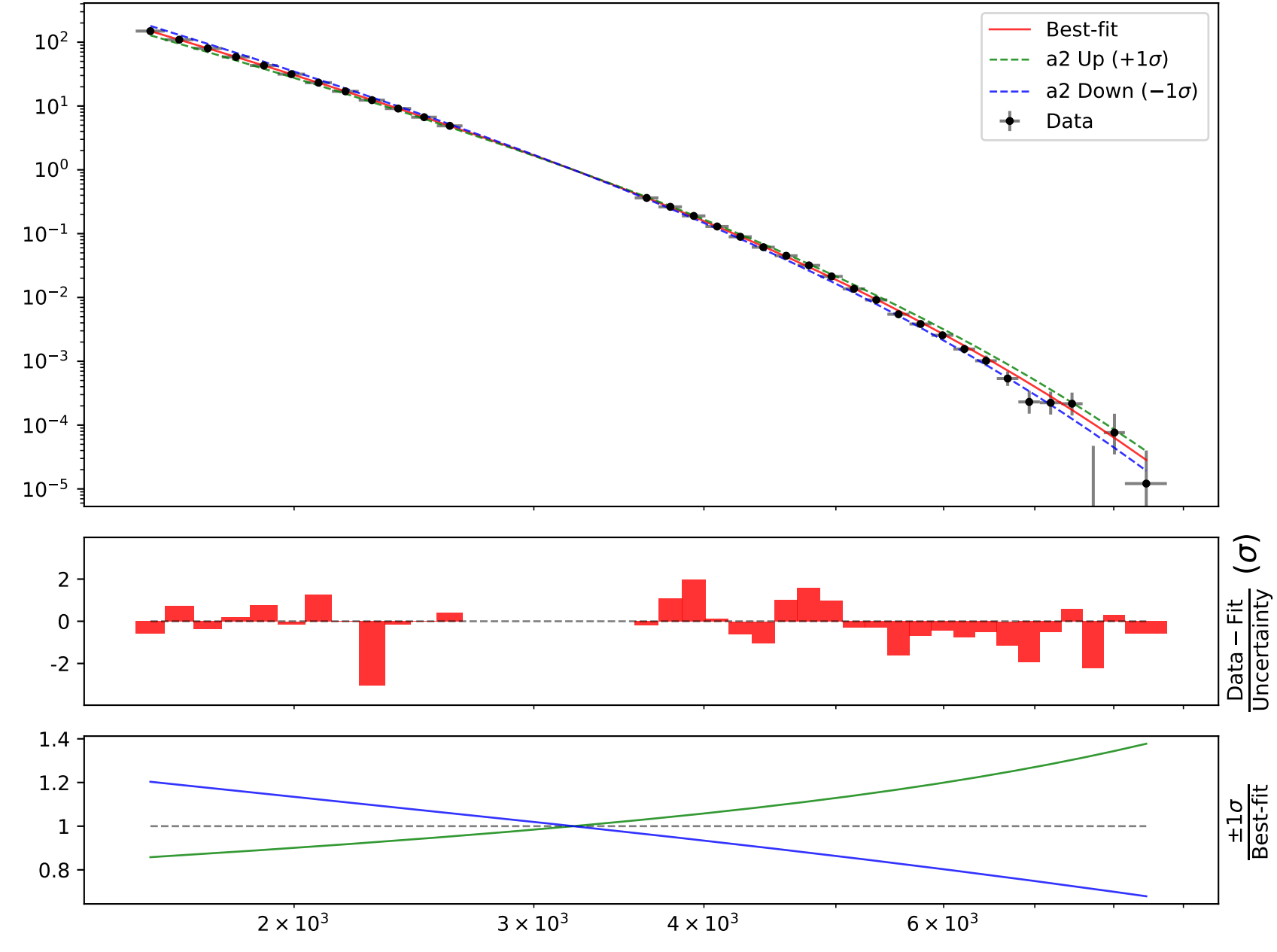
χ^2/NDF = 39.47/31, RMSE = 0.02687, R2 = 1.0

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, **$a2 = 0.00359818^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$**,
$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #11

χ^2/NDF = 39.47/31, RMSE = 0.02687, R2 = 1.0



1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, $a2 = 0.00359818^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,

$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #11

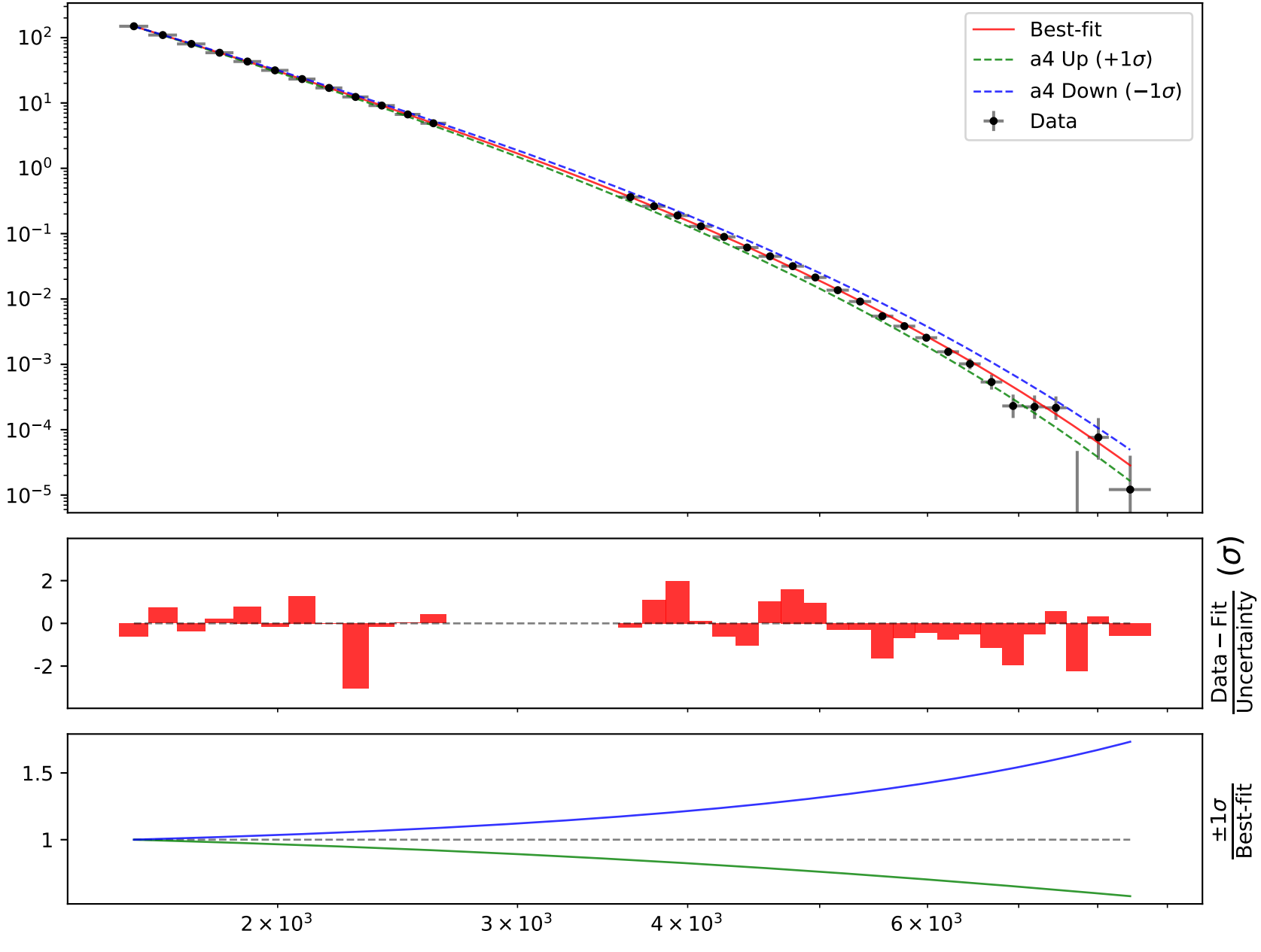
χ^2/NDF = 39.47/31, RMSE = 0.02687, R2 = 1.0

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, $a2 = 0.00359818^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,
$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $\mathbf{a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}}$

Candidate #11

χ^2/NDF = 39.47/31, RMSE = 0.02687, R2 = 1.0



Candidate function #10

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

a1 = $-0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, a2 = $0.00359819^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,
a3 = $0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, a4 = $2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #10

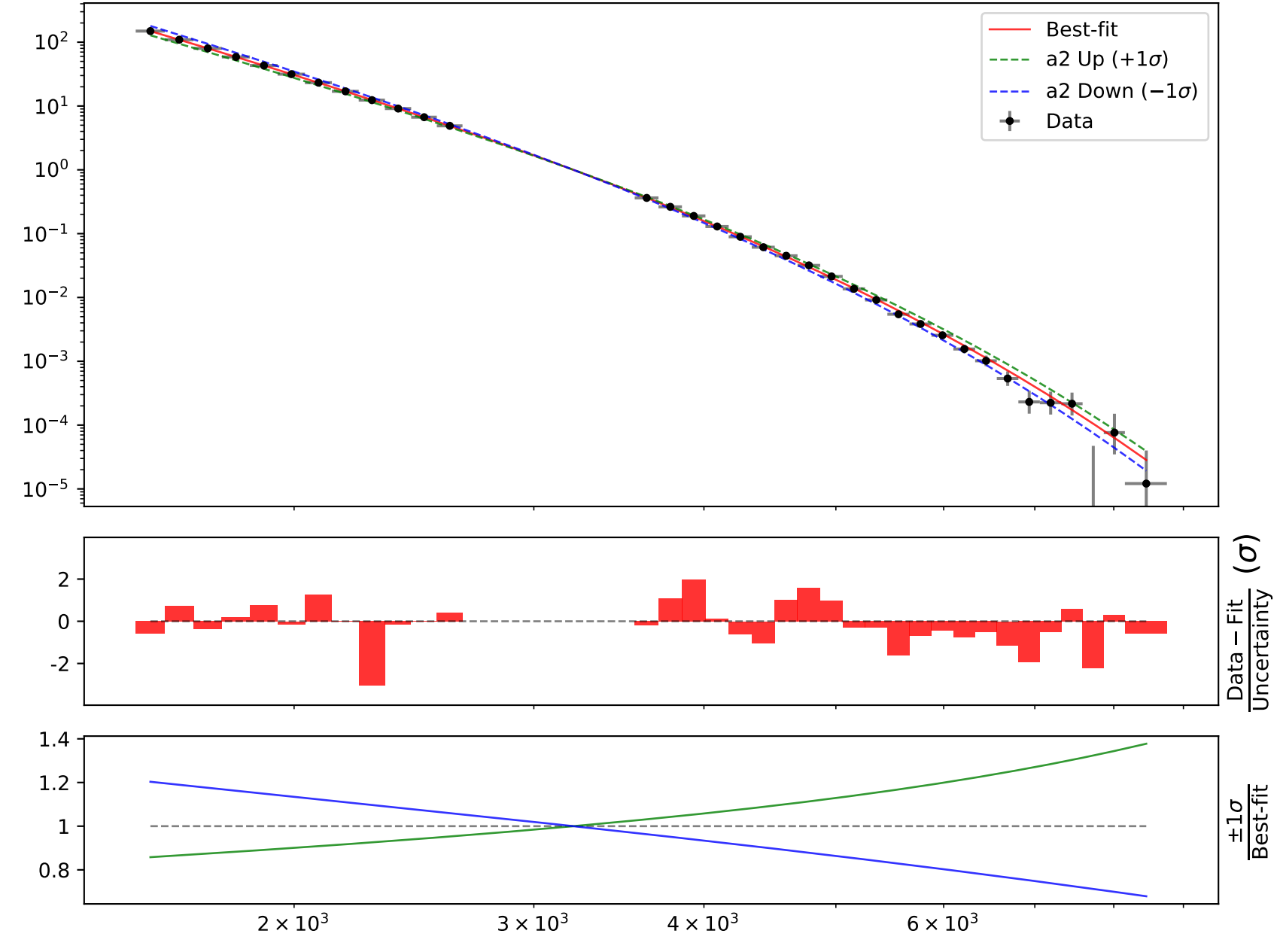
χ^2/NDF = 39.47/31, RMSE = 0.02686, R2 = 1.0

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, **$a2 = 0.00359819^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$**,
$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #10

χ^2/NDF = 39.47/31, RMSE = 0.02686, R2 = 1.0



1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, $a2 = 0.00359819^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,

$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}$

Candidate #10

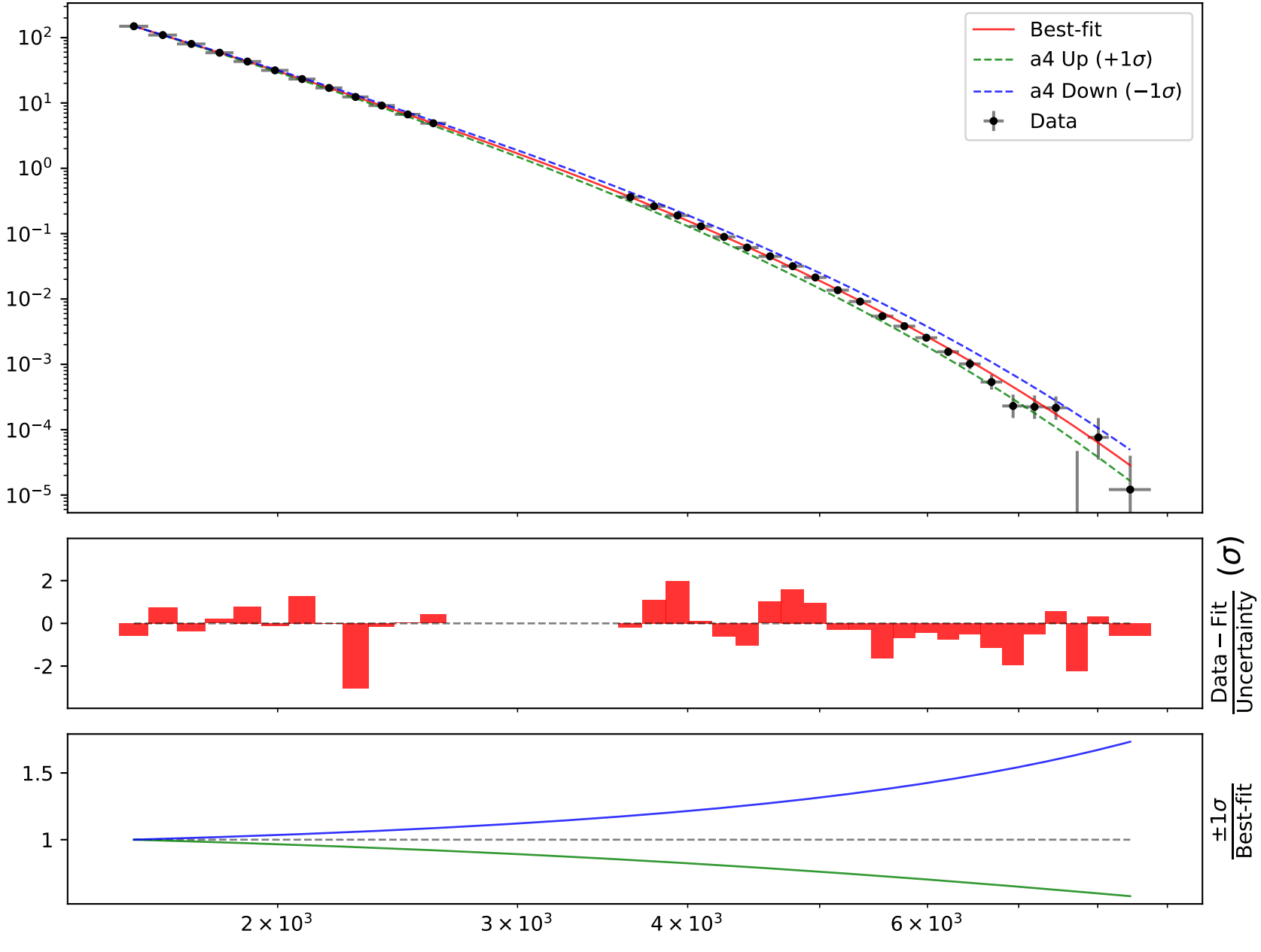
χ^2/NDF = 39.47/31, RMSE = 0.02686, R2 = 1.0

1.0*(a2**(a1 + a4*((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.889641^{+0.0298(3.35\%)}_{-0.0298(3.35\%)}$, $a2 = 0.00359819^{+0.000676(18.8\%)}_{-0.000676(18.8\%)}$,
$a3 = 0.339232^{+0.00876(2.58\%)}_{-0.00876(2.58\%)}$, $\mathbf{a4 = 2.00351^{+0.0978(4.88\%)}_{-0.0978(4.88\%)}}$

Candidate #10

χ^2/NDF = 39.47/31, RMSE = 0.02686, R2 = 1.0



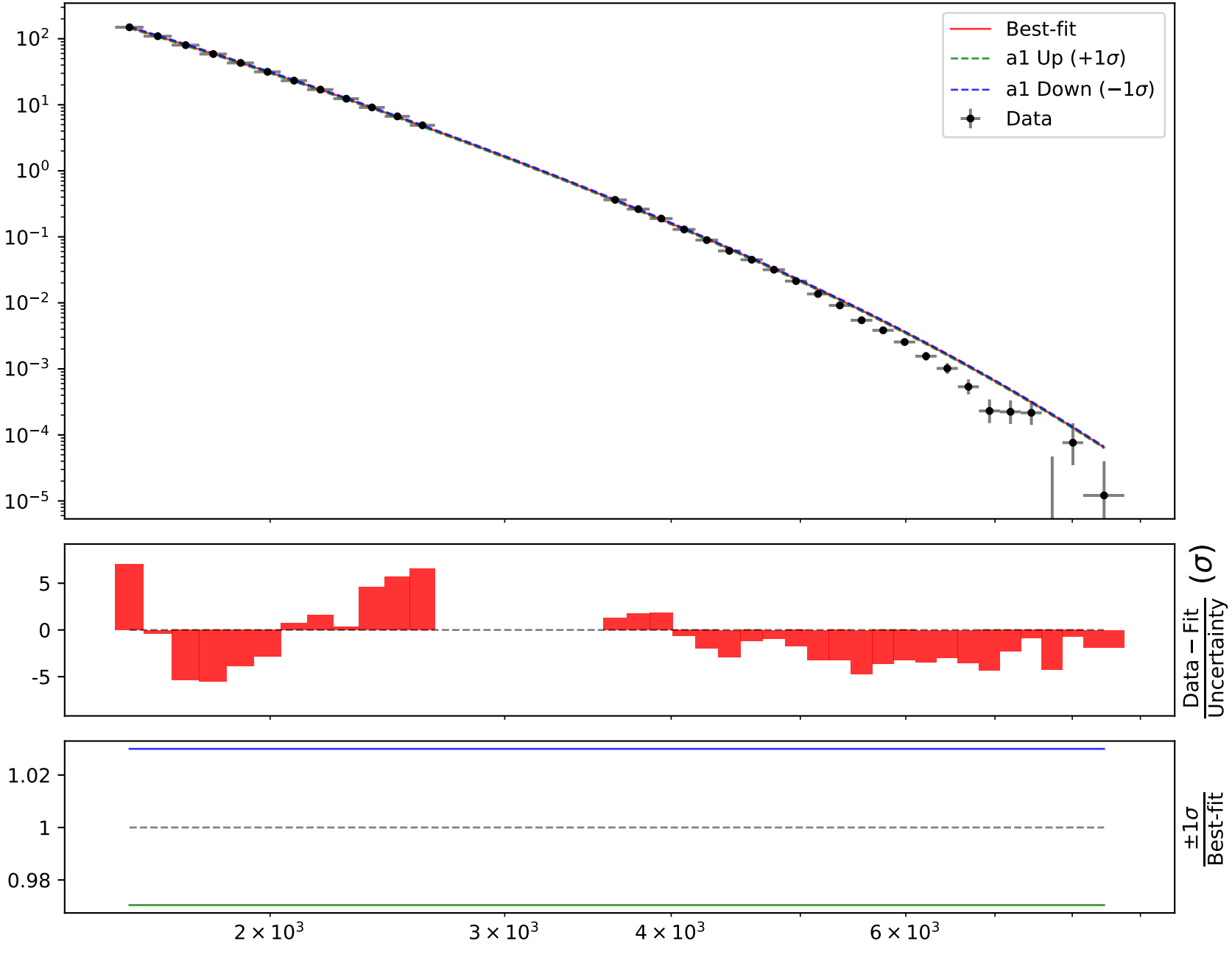
Candidate function #9

1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275)))))

a1 = $-0.538106^{+0.003233(0.601\%)}_{-0.003179(0.591\%)}$, a2 = $9.21418e-05^{+5.028e-06(5.46\%)}_{-4.905e-06(5.32\%)}$,
a3 = $0.522409^{+0.006727(1.29\%)}_{-0.006502(1.24\%)}$

Candidate #9

χ^2/NDF = 408.0/32, RMSE = 0.1839, R2 = 1.0



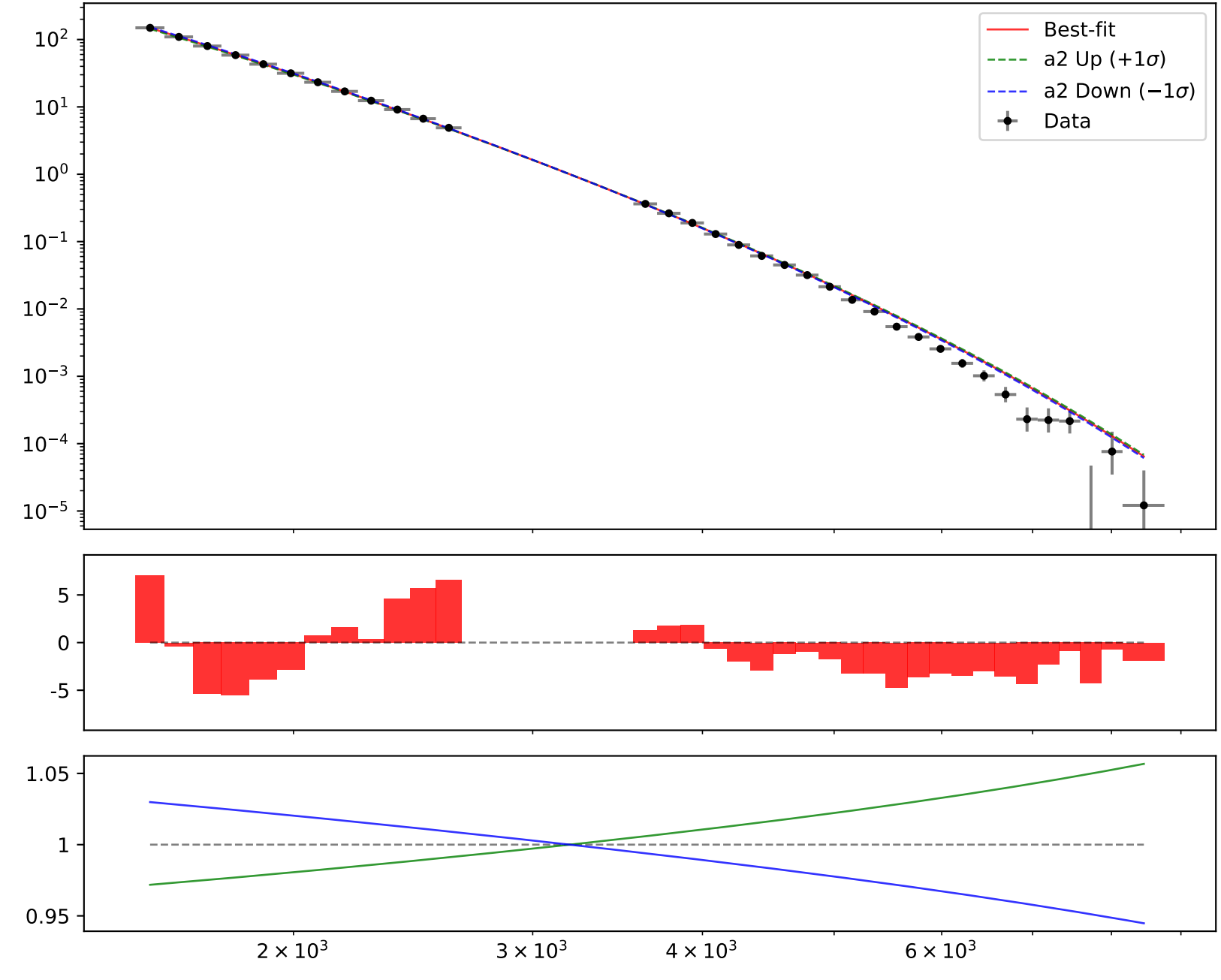
1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.538106^{+0.003233(0.601\%)}_{-0.003179(0.591\%)}$, $\mathbf{a2 = 9.21418e-05^{+5.028e-06(5.46\%)}_{-4.905e-06(5.32\%)}}$,

$a3 = 0.522409^{+0.006727(1.29\%)}_{-0.006502(1.24\%)}$

Candidate #9

χ^2/NDF = 408.0/32, RMSE = 0.1839, R2 = 1.0



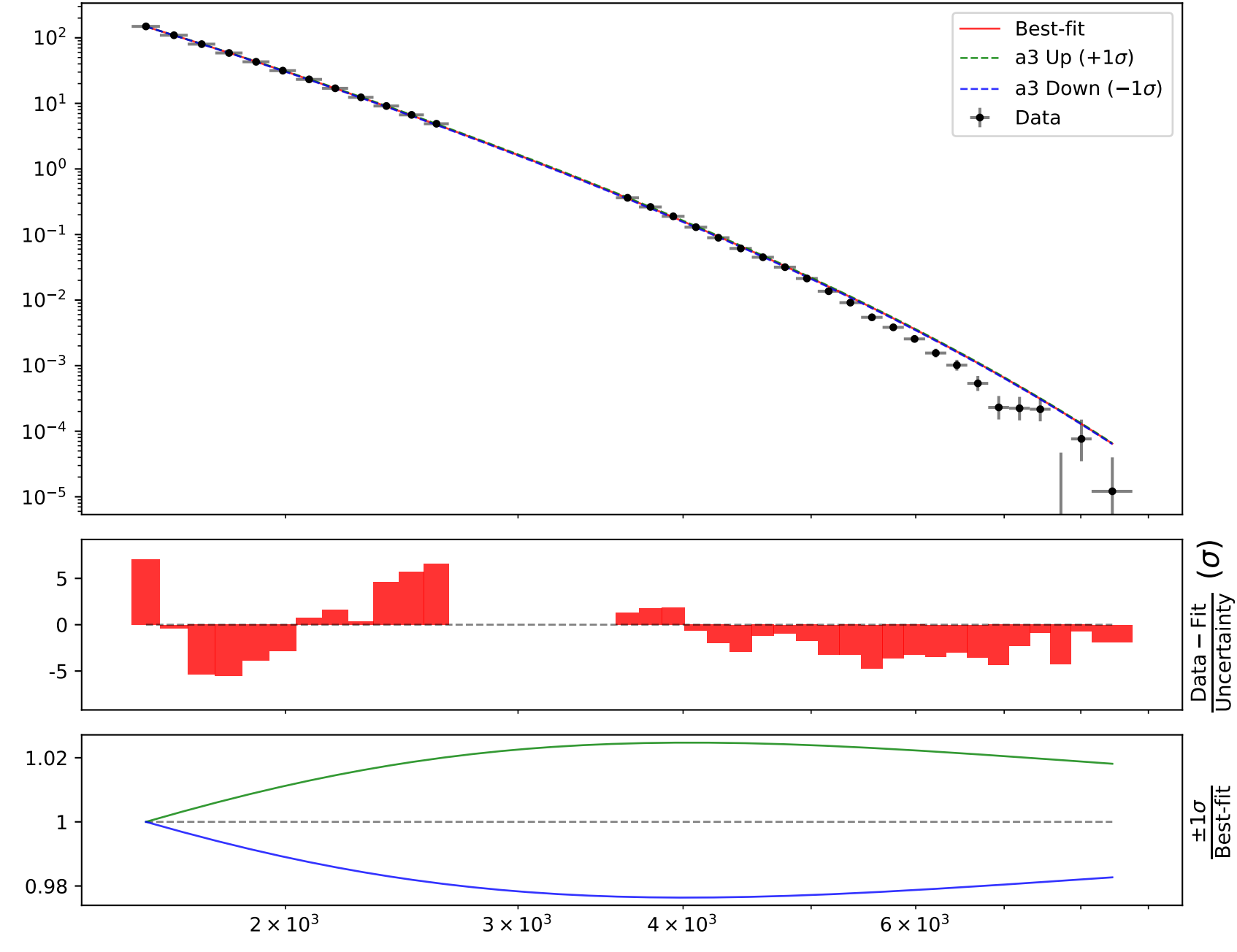
1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275)))))

$a1 = -0.538106^{+0.003233(0.601\%)}_{-0.003179(0.591\%)}$, $a2 = 9.21418e-05^{+5.028e-06(5.46\%)}_{-4.905e-06(5.32\%)}$,

$a3 = 0.522409^{+0.006727(1.29\%)}_{-0.006502(1.24\%)}$

Candidate #9

χ^2/NDF = 408.0/32, RMSE = 0.1839, R2 = 1.0



Candidate function #8

1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

a1 = $-0.571056^{+0.002964(0.519\%)}_{-0.00293(0.513\%)}$, a2 = $0.00015696^{+6.991e-06(4.45\%)}_{-6.839e-06(4.36\%)}$,

a3 = $0.471326^{+0.005012(1.06\%)}_{-0.004881(1.04\%)}$

Candidate #8

χ^2/NDF = 243.3/32, RMSE = 0.1218, R2 = 1.0

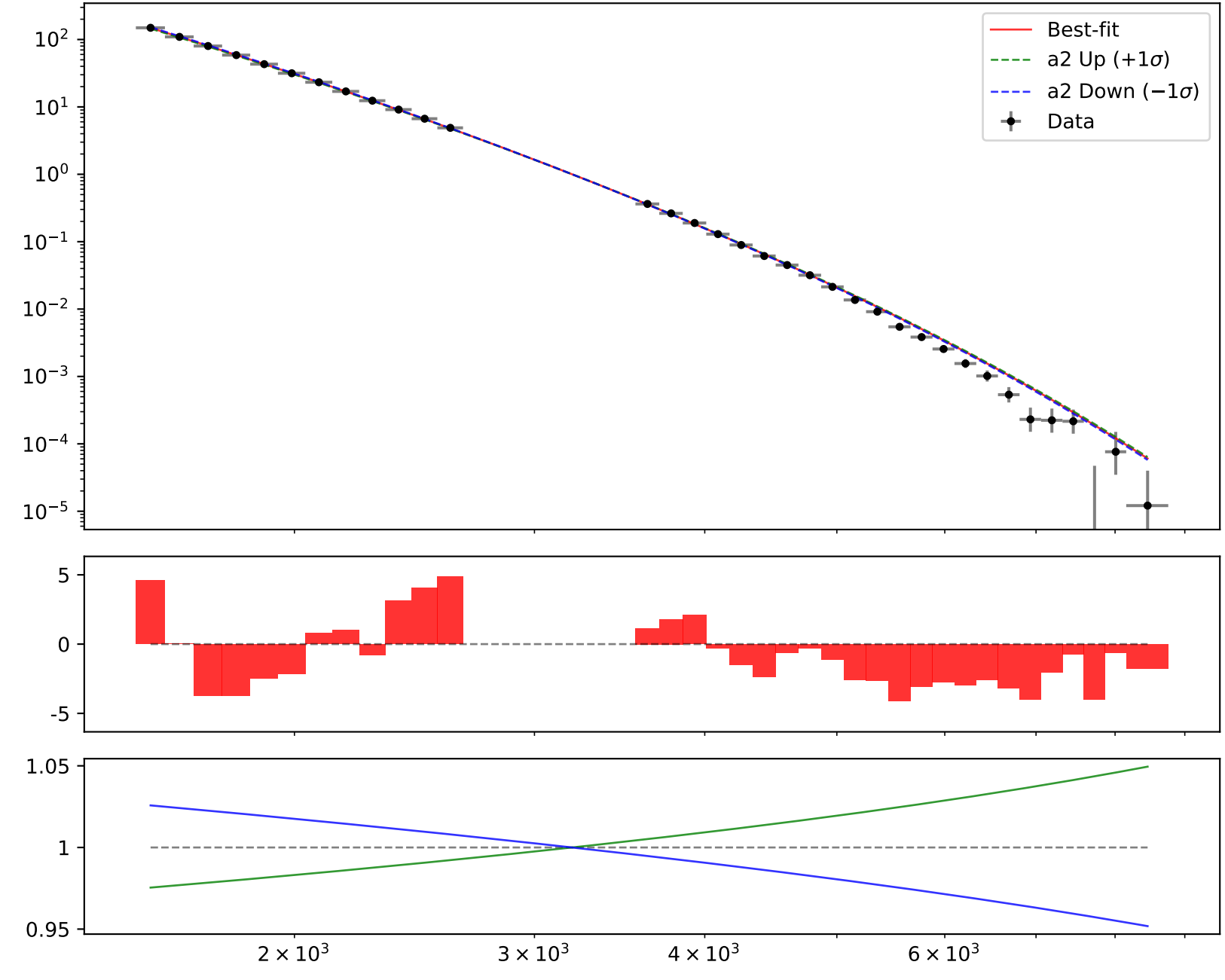
1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.571056^{+0.002964(0.519\%)}_{-0.00293(0.513\%)}$, $\mathbf{a2 = 0.00015696^{+6.991e-06(4.45\%)}_{-6.839e-06(4.36\%)}}$,

$a3 = 0.471326^{+0.005012(1.06\%)}_{-0.004881(1.04\%)}$

Candidate #8

χ^2/NDF = 243.3/32, RMSE = 0.1218, R2 = 1.0



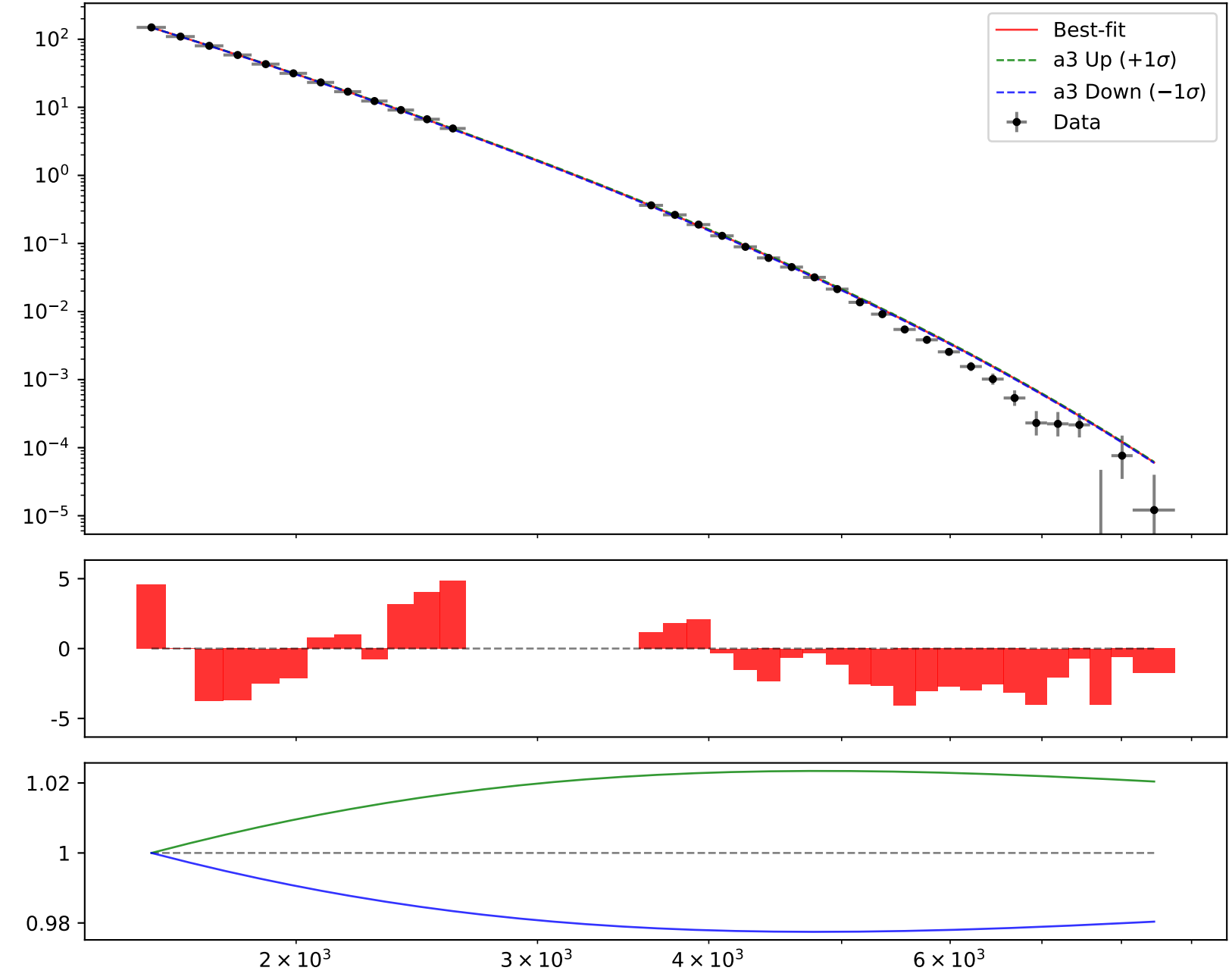
1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275) + ((x0 - 1568.5) * 0.000145275)/(a3 + ((x0 - 1568.5) * 0.000145275))))

$a1 = -0.571056^{+0.002964(0.519\%)}_{-0.00293(0.513\%)}$, $a2 = 0.00015696^{+6.991e-06(4.45\%)}_{-6.839e-06(4.36\%)}$,

$a3 = 0.471326^{+0.005012(1.06\%)}_{-0.004881(1.04\%)}$

Candidate #8

χ^2/NDF = 243.3/32, RMSE = 0.1218, R2 = 1.0



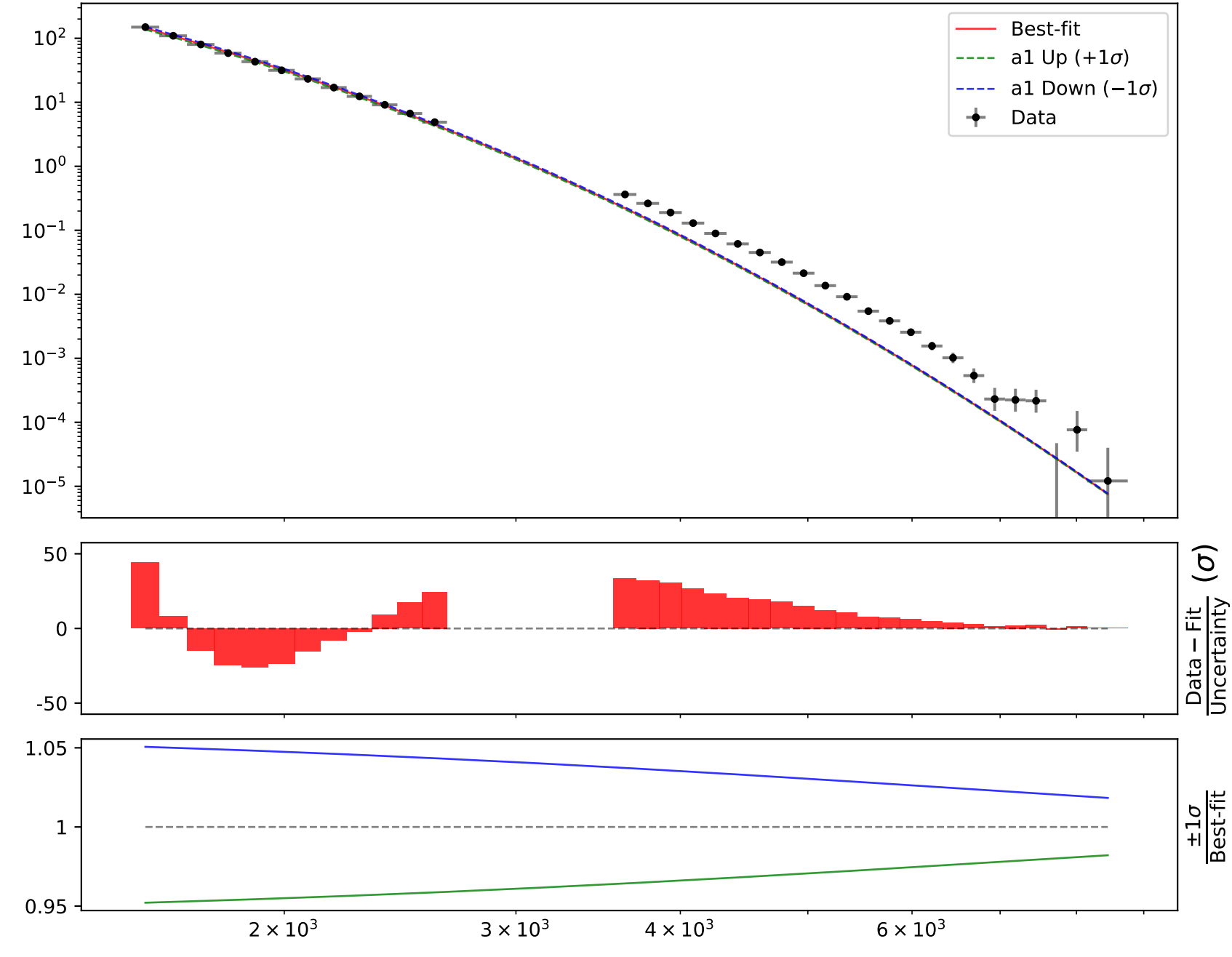
Candidate function #7

1.0*(a2**(((x0 - 1568.5) * 0.000145275) + (a1 + ((x0 - 1568.5) * 0.000145275))*exp(-((x0 - 1568.5) * 0.000145275))))

a1 = $-0.499216^{+0.004929(0.987\%)}_{-0.004962(0.994\%)}$, a2 = $4.7456e-05^{+5.599e-06(11.8\%)}_{-5.068e-06(10.7\%)}$

Candidate #7

χ^2/NDF = 11530.0/33, RMSE = 1.034, R2 = 0.9991

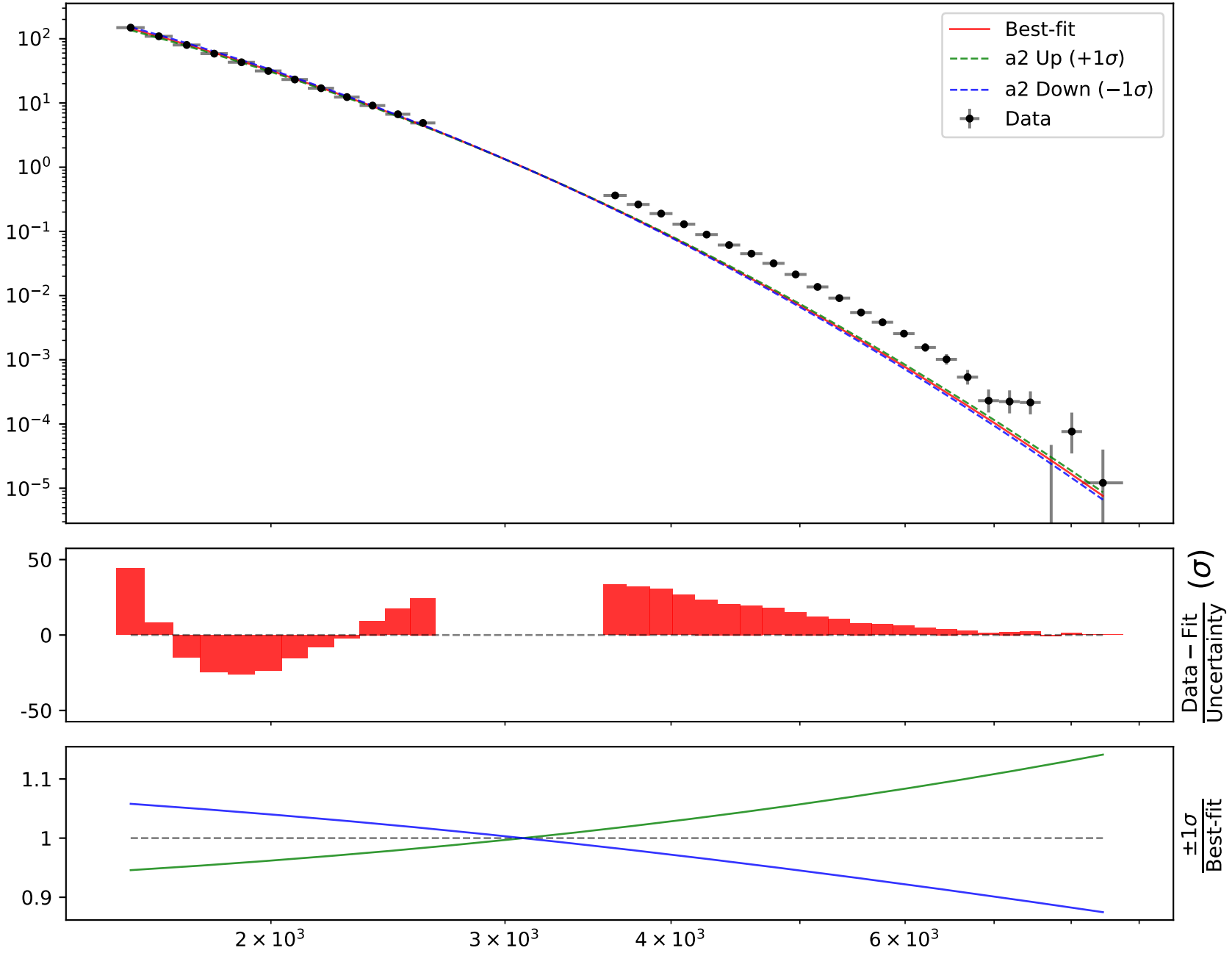


1.0*(a2**(((x0 - 1568.5) * 0.000145275) + (a1 + ((x0 - 1568.5) * 0.000145275))*exp(-((x0 - 1568.5) * 0.000145275))))

$a1 = -0.499216^{+0.004929(0.987\%)}_{-0.004962(0.994\%)}$, $\mathbf{a2 = 4.7456e-05^{+5.599e-06(11.8\%)}_{-5.068e-06(10.7\%)}}$

Candidate #7

χ^2/NDF = 11530.0/33, RMSE = 1.034, R2 = 0.9991



Candidate function #6

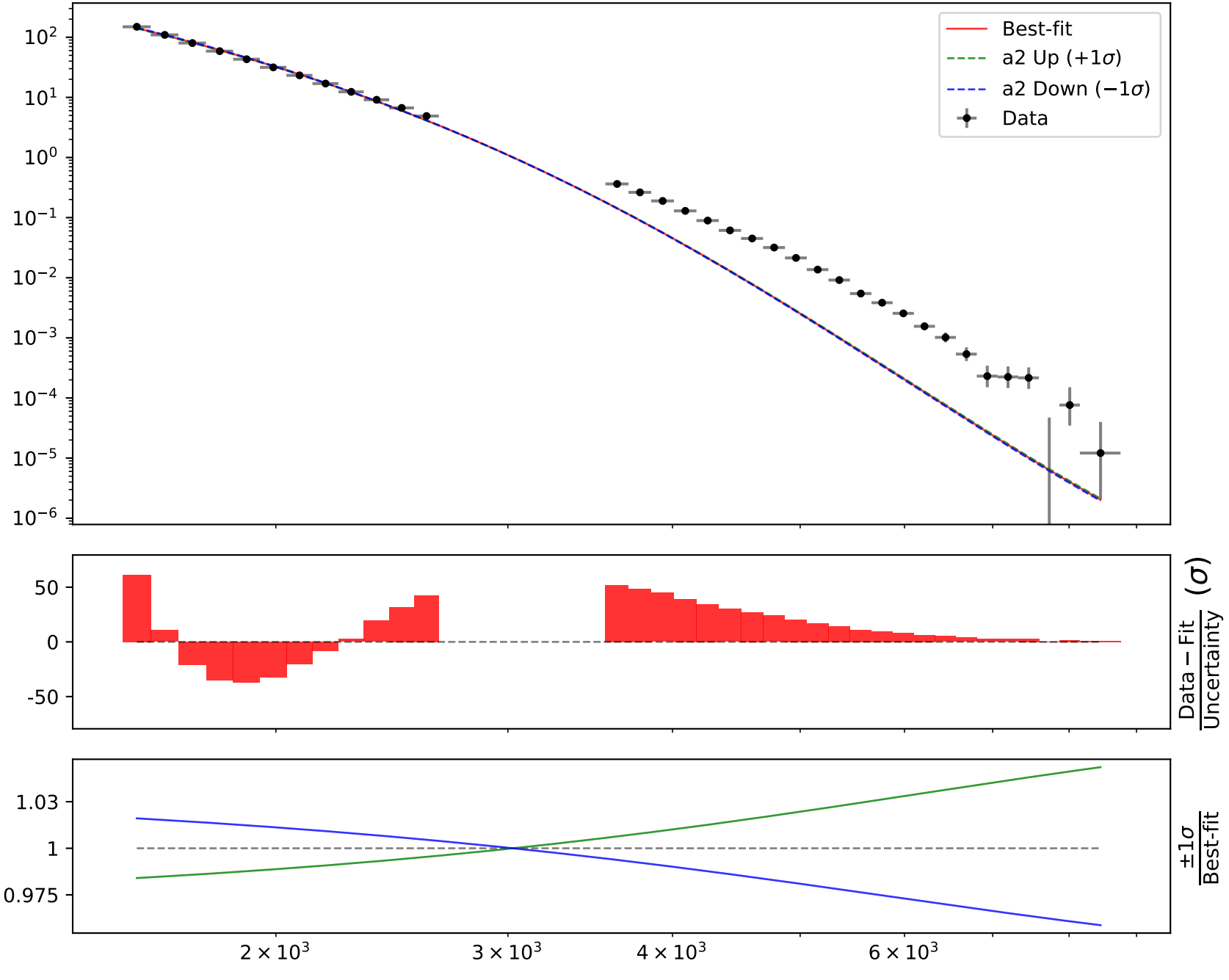
1.0*(a2**(a1 + a3*tanh(((x0 - 1568.5) * 0.000145275))))

$a1 = -0.498$, $\mathbf{a2 = 4.76419e-05^{+1.567e-06(3.29\%)}_{-1.501e-06(3.15\%)}}$,

$a3 = 2.383^{+0.02955(1.24\%)}_{-0.02906(1.22\%)}$

Candidate #6

χ^2/NDF = 24920.0/33, RMSE = 1.442, R2 = 0.9982



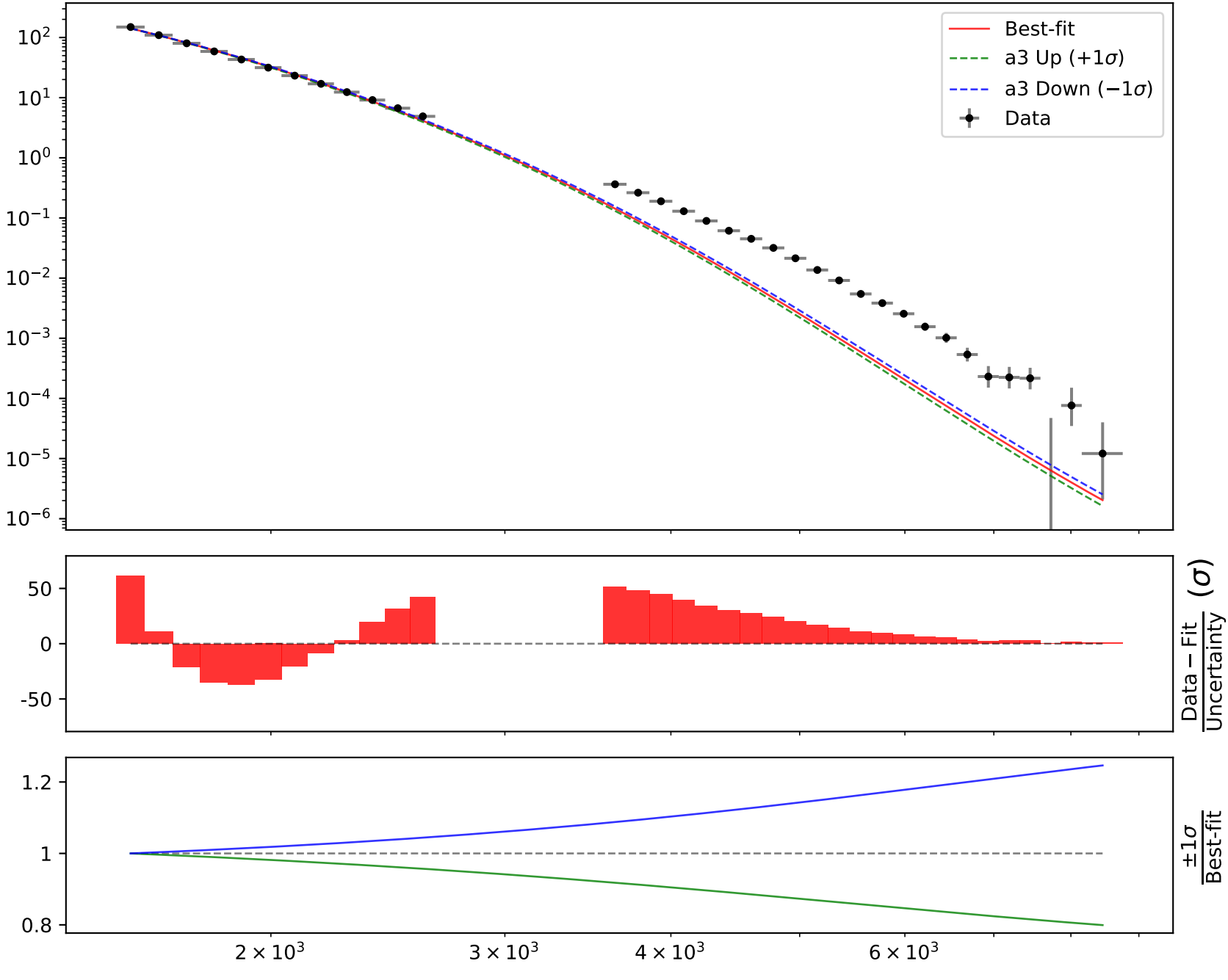
1.0*(a2**(a1 + a3*tanh(((x0 - 1568.5) * 0.000145275))))

$a1 = -0.498$, $a2 = 4.76419e-05^{+1.567e-06(3.29\%)}_{-1.501e-06(3.15\%)}$,

a3 = 2.383$^{+0.02955(1.24\%)}_{-0.02906(1.22\%)}$

Candidate #6

χ^2/NDF = 24920.0/33, RMSE = 1.442, R2 = 0.9982



Candidate function #5

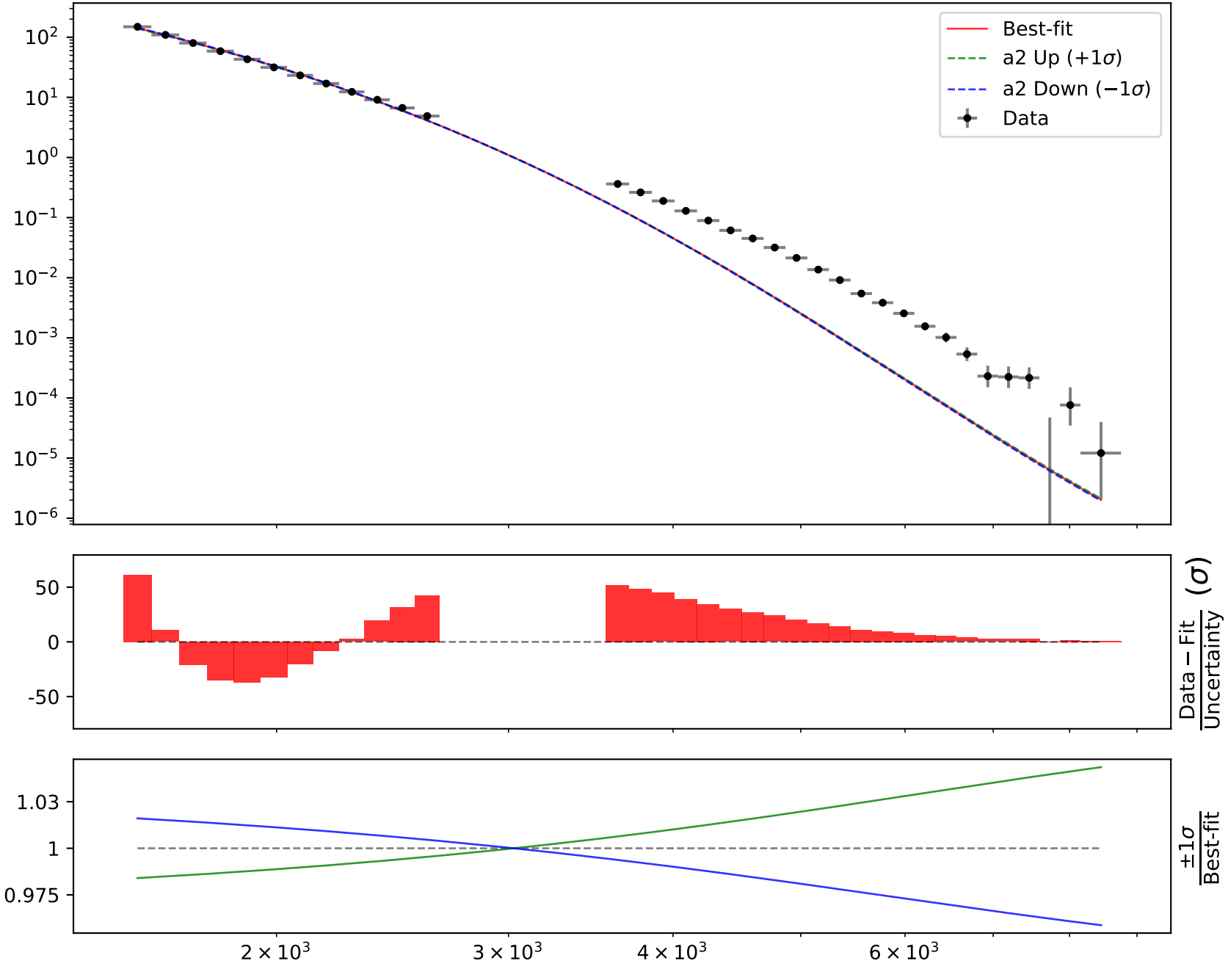
1.0*(a2**(a1 + a3*tanh(((x0 - 1568.5) * 0.000145275))))

$a1 = -0.502$, $\mathbf{a2 = 5.15735e-05^{+1.683e-06(3.26\%)}_{-1.612e-06(3.13\%)}}$,

$a3 = 2.40214^{+0.02979(1.24\%)}_{-0.02929(1.22\%)}$

Candidate #5

χ^2/NDF = 24920.0/33, RMSE = 1.442, R2 = 0.9982



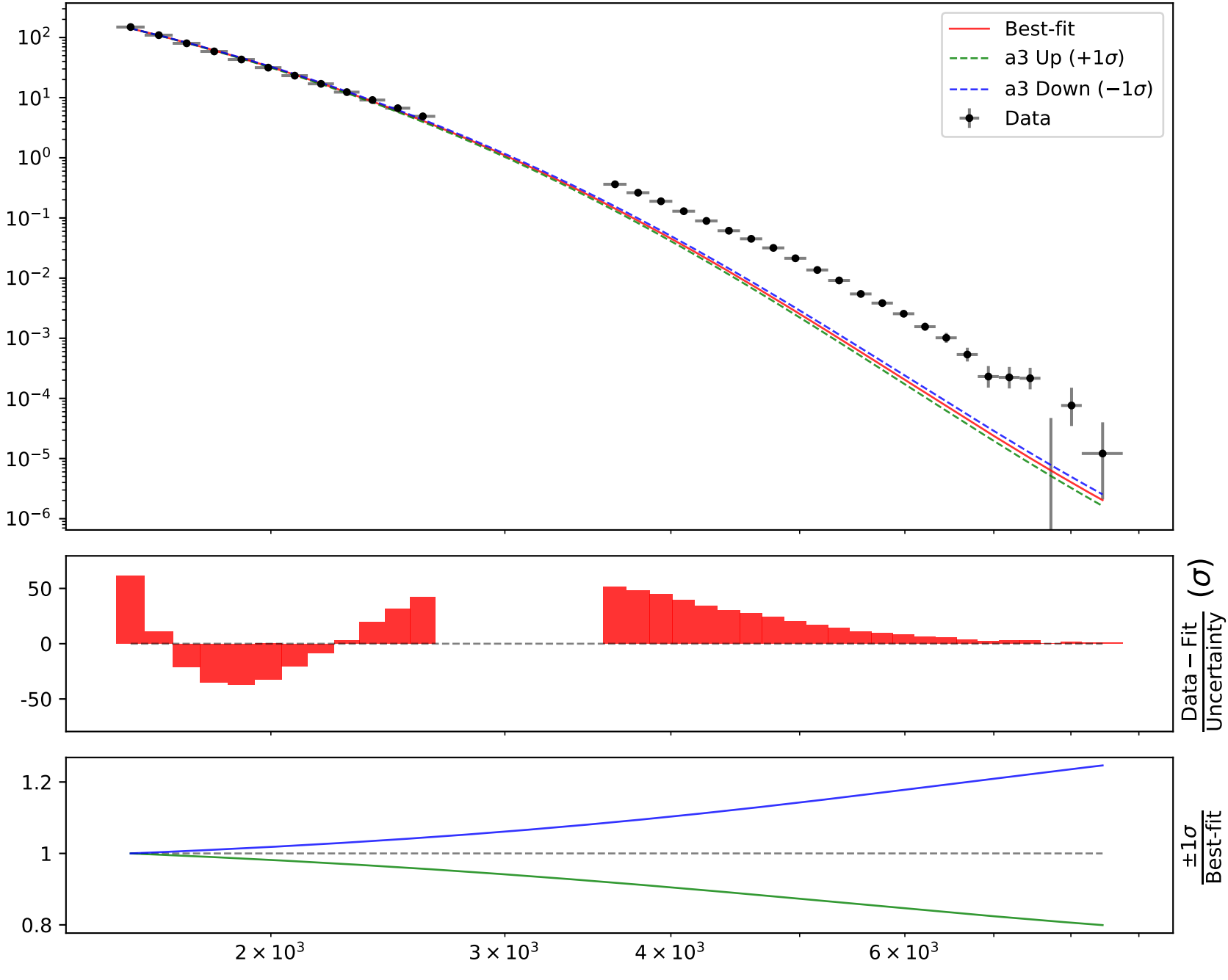
1.0*(a2**(a1 + a3*tanh(((x0 - 1568.5) * 0.000145275))))

$a1 = -0.502$, $a2 = 5.15735e-05^{+1.683e-06(3.26\%)}_{-1.612e-06(3.13\%)}$,

a3 = 2.40214$^{+0.02979(1.24\%)}_{-0.02929(1.22\%)}$

Candidate #5

χ^2/NDF = 24920.0/33, RMSE = 1.442, R2 = 0.9982

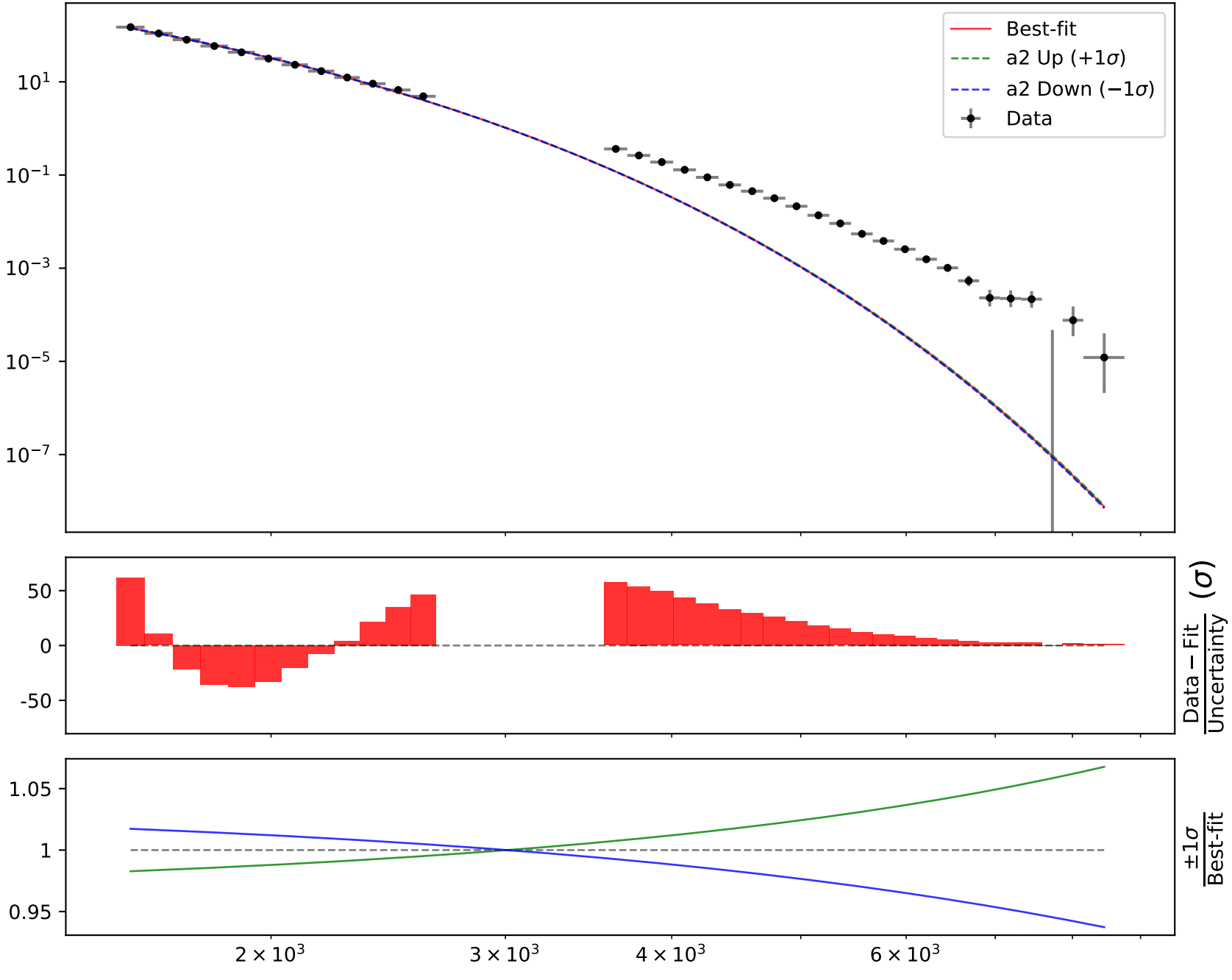


Candidate function #4

1.0*(a2**(a1 + a3*((x0 - 1568.5) * 0.000145275)))

$a1 = -0.502$, $\mathbf{a2 = 5.16349e-05^{+1.817e-06(3.52\%)}_{-1.735e-06(3.36\%)}}$,
$a3 = 2.39655^{+0.03219(1.34\%)}_{-0.03163(1.32\%)}$

Candidate #4
χ^2/NDF = 28850.0/33, RMSE = 1.466, R2 = 0.9981



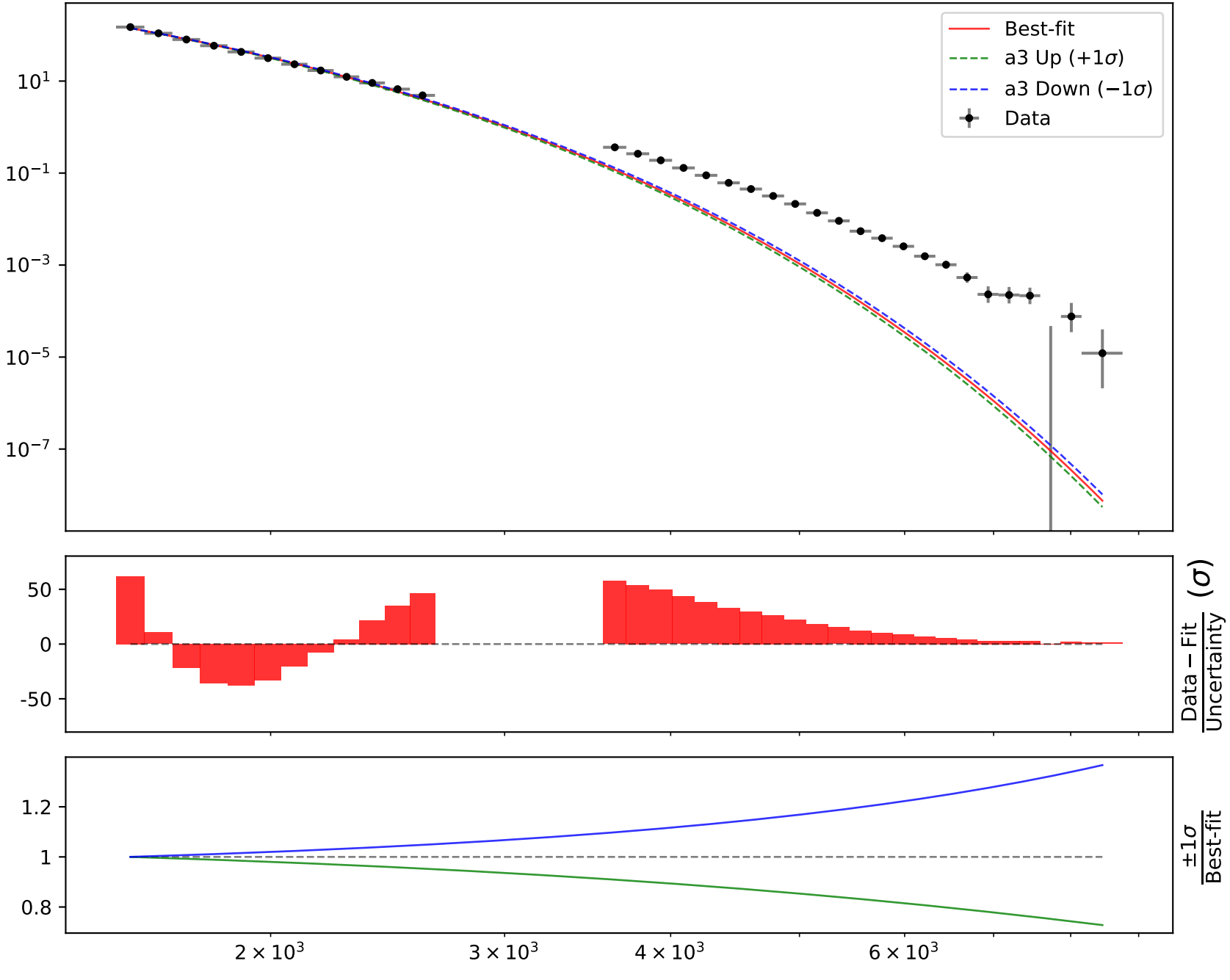
1.0*(a2**(a1 + a3*((x0 - 1568.5) * 0.000145275)))

$a1 = -0.502$, $a2 = 5.16349e-05^{+1.817e-06(3.52\%)}_{-1.735e-06(3.36\%)}$,

$a3 = 2.39655^{+0.03219(1.34\%)}_{-0.03163(1.32\%)}$

Candidate #4

χ^2/NDF = 28850.0/33, RMSE = 1.466, R2 = 0.9981



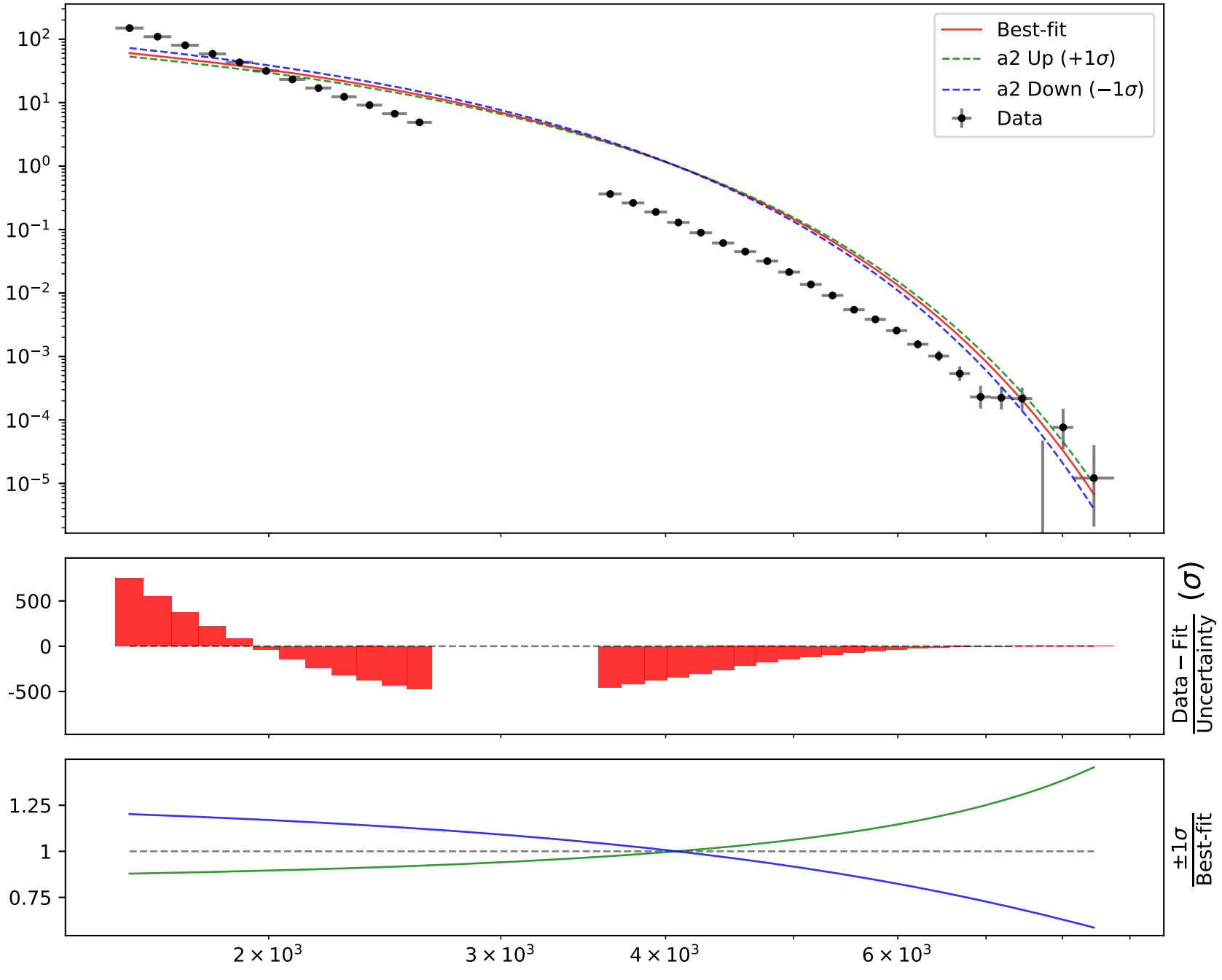
Candidate function #3

1.0*(a2**(a1 + exp(((x0 - 1568.5) * 0.000145275))))

$a1 = -1.44$, $\mathbf{a2 = 8.98556e-05^{+3.07e-05(34.2\%)}_{-3.07e-05(34.2\%)}}$

Candidate #3

χ^2/NDF = 2737000.0/34, RMSE = 19.04, R2 = 0.6793



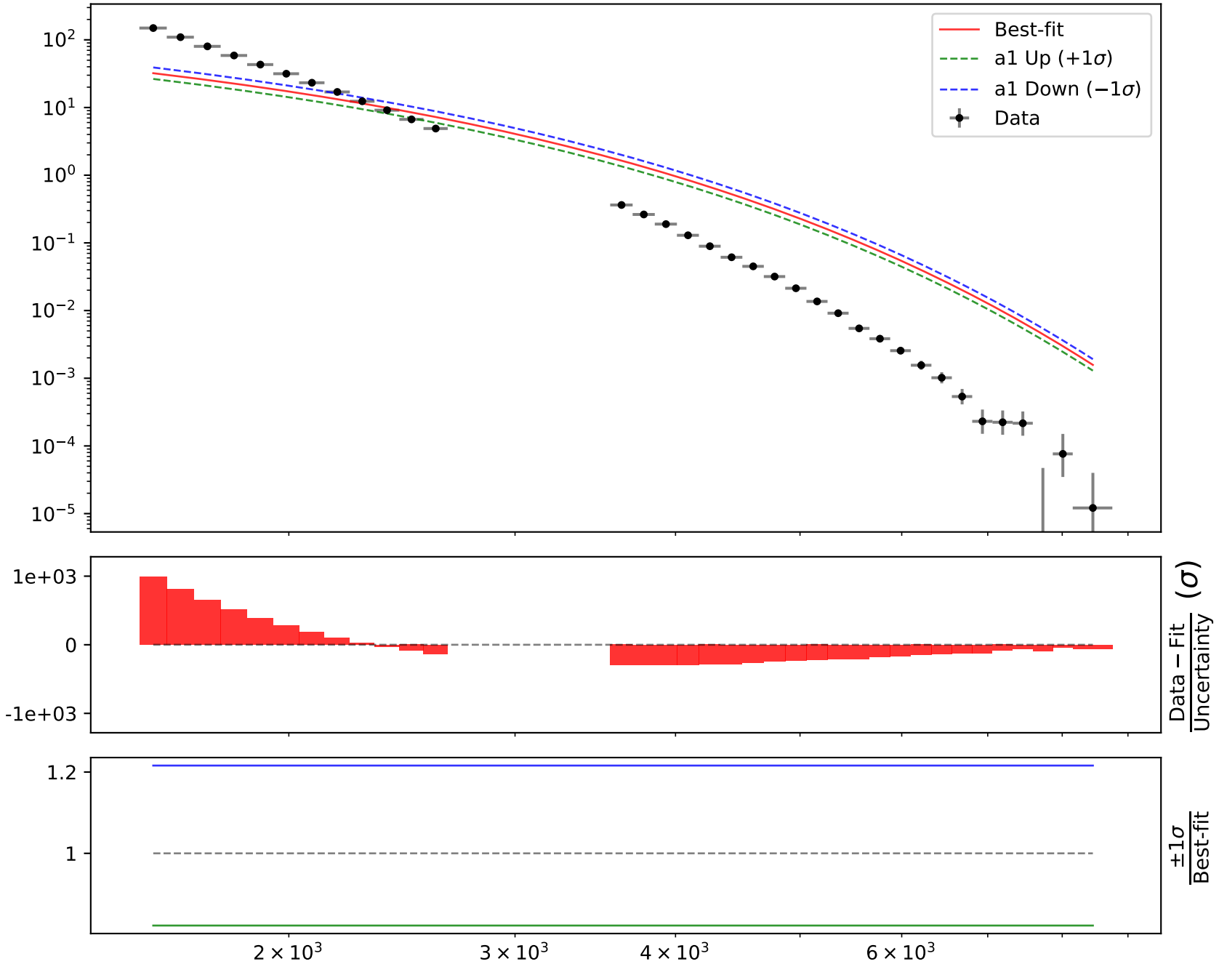
Candidate function #2

1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275)))

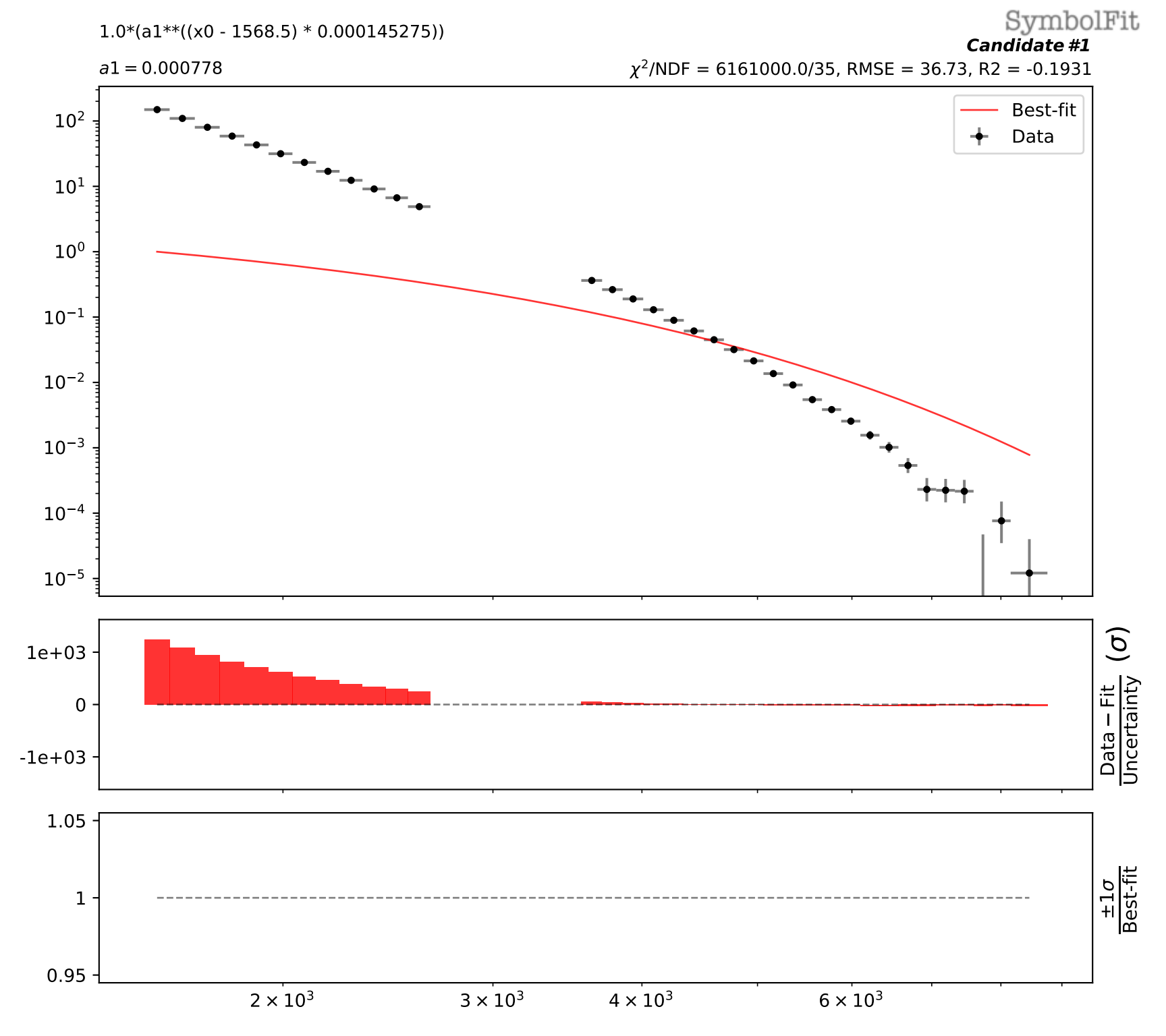
a1 = $-0.349657^{+0.0197(5.63\%)}_{-0.0197(5.63\%)}$, $a2 = 4.9e-05$

Candidate #2

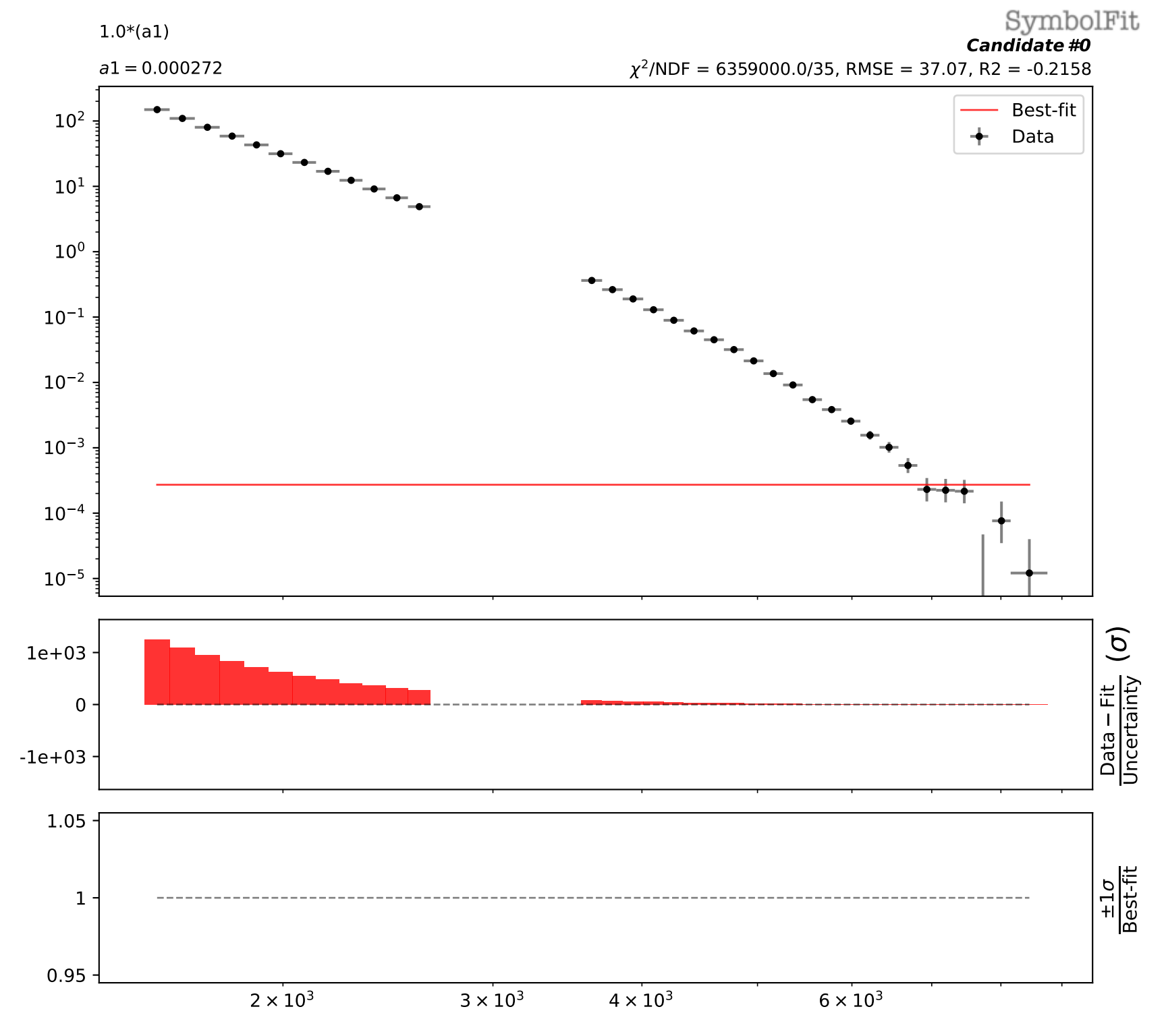
χ^2/NDF = 3594000.0/34, RMSE = 26.91, R2 = 0.3593



Candidate function #1


1.0*(a1**((x0 - 1568.5) * 0.000145275))
SymbolFit
Candidate #1
a1 = 0.000778
χ²/NDF = 6161000.0/35, RMSE = 36.73, R2 = -0.1931
Best-fit
Data
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
1e+03
0
-1e+03
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³

Candidate function #0


SymbolFit
1.0*(a1)
Candidate #0
a1 = 0.000272
χ²/NDF = 6359000.0/35, RMSE = 37.07, R2 = -0.2158
Best-fit
Data
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
1e+03
0
-1e+03
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ / Best-fit
2 × 10³
3 × 10³
4 × 10³
6 × 10³