

```
Across all four plots:

RSS (converged)=0.231

RSS (initial)=2.367

RSS (% reduction)=0.911

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.2312743361211981
x: [ 1.929e-01  2.253e-06 ...  9.109e+04  1.483e+00]
nit: 754
nfev: 1481
final_simplex: (array([[ 1.929e-01,  2.253e-06, ...,  9.109e+04,
                          1.483e+00],
                        [ 1.929e-01,  2.253e-06, ...,  9.109e+04,
                          1.483e+00],
                        ...,
                        [ 1.929e-01,  2.253e-06, ...,  9.109e+04,
                          1.483e+00],
                        [ 1.929e-01,  2.253e-06, ...,  9.109e+04,
                          1.483e+00]]), array([ 2.313e-01,  2.313e-01, ...,  2.313e-01,  2.313e-01]))

epsilon Initial_guesses Converged
P_b 1.258089e-01 6.710423e-02 1.929131e-01
P_u 6.377826e-08 2.189588e-06 2.253366e-06
K_12 -2.094310e+02 1.065381e+03 8.559502e+02
C_pa 2.273919e+09 1.634913e+09 3.908832e+09
A_s -9.698412e+03 1.452100e+04 4.822587e+03
P_r 0.000000e+00 1.285766e+00 1.285766e+00
C_pt 0.000000e+00 1.101671e-02 1.101671e-02
K_t 0.000000e+00 7.228939e-05 7.228939e-05
A_r 0.000000e+00 1.633549e+05 1.633549e+05
P_o 0.000000e+00 1.229728e+00 1.229728e+00
C_pl 0.000000e+00 1.247659e-02 1.247659e-02
K_l 0.000000e+00 2.018275e-06 2.018275e-06
A_o 0.000000e+00 9.109492e+04 9.109492e+04
F_o 0.000000e+00 1.482604e+00 1.482604e+00
```