

```
Across all four plots:

RSS (converged)=0.194

RSS (initial)=2.062

RSS (% reduction)=0.914

epsilon Initial_guesses Converged
P_b 1.679503e-01 6.681702e-02 2.347673e-01
P_u 5.988051e-07 5.466972e-07 1.145502e-06
K_12 -1.068307e+02 1.814527e+04 1.803844e+04
C_pa 1.602410e+08 3.819882e+08 5.422293e+08
A_s -9.636638e+03 1.458909e+04 4.952449e+03
P_r 0.000000e+00 4.006687e-01 4.006687e-01
C_pt 0.000000e+00 9.732437e-03 9.732437e-03
K_t 0.000000e+00 8.404184e-05 8.404184e-05
A_r 0.000000e+00 5.876297e+05 5.876297e+05
P_o 0.000000e+00 2.011834e+12 2.011834e+12
C_pl 0.000000e+00 1.968035e-02 1.968035e-02
K_l 0.000000e+00 1.281986e-06 1.281986e-06
A_o 0.000000e+00 1.760143e+05 1.760143e+05
F_o 0.000000e+00 1.482633e+00 1.482633e+00

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.19389436569865348
x: [ 2.348e-01 1.146e-06 ... 1.760e+05 1.483e+00]
nit: 782
nfev: 1487
final_simplex: (array([[ 2.348e-01, 1.146e-06, ..., 1.760e+05,
1.483e+00],
[ 2.348e-01, 1.146e-06, ..., 1.760e+05,
1.483e+00],
...,
[ 2.348e-01, 1.146e-06, ..., 1.760e+05,
1.483e+00],
[ 2.348e-01, 1.146e-06, ..., 1.760e+05,
1.483e+00]]), array([ 1.939e-01, 1.939e-01, ..., 1.939e-01, 1.939e-01]))
```