

```
Across all four plots:

RSS (converged)=0.116

RSS (initial)=1.512

RSS (% reduction)=0.929

message: Optimization terminated successfully.
success: True
status: 0
epsilon Initial_guesses Converged
P_b 1.774262e-01 6.710423e-02 2.445305e-01
P_u 7.096367e-07 2.189588e-06 2.899224e-06
K_12 -1.867998e+02 1.065381e+03 8.785814e+02
C_pa -1.038164e+08 1.634913e+09 1.531096e+09
A_s -8.370963e+03 1.452100e+04 6.150036e+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

fun: 0.11598099156514029
x: [ 2.445e-01 2.899e-06 ... 9.109e+04 1.483e+00]
nit: 707
nfev: 1396
final_simplex: (array([[ 2.445e-01, 2.899e-06, ..., 9.109e+04,
1.483e+00],
[ 2.445e-01, 2.899e-06, ..., 9.109e+04,
1.483e+00],
...,
[ 2.445e-01, 2.899e-06, ..., 9.109e+04,
1.483e+00],
[ 2.445e-01, 2.899e-06, ..., 9.109e+04,
1.483e+00]]), array([ 1.160e-01, 1.160e-01, ..., 1.160e-01, 1.160e-01]))
```