

```
Across all four plots:

RSS (converged)=0.446

RSS (initial)=2.604

RSS (% reduction)=0.854

epsilon Initial_guesses Converged
P_b 0.000000e+00 6.710423e-02 6.710423e-02
P_u 0.000000e+00 2.189588e-06 2.189588e-06
K_12 0.000000e+00 1.065381e+03 1.065381e+03
C_pa 0.000000e+00 1.634913e+09 1.634913e+09
A_s 0.000000e+00 1.452100e+04 1.452100e+04
P_r -8.537907e-01 1.285766e+00 4.319749e-01
C_pt -1.101658e-02 1.101671e-02 1.304062e-07
K_t 5.928667e+00 7.228939e-05 5.928740e+00
A_r 9.151062e+10 1.633549e+05 9.151078e+10
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

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.44636405555453285
x: [ 6.710e-02 2.190e-06 ... 9.109e+04 1.483e+00]
nit: 100000
nfev: 134800
final_simplex: (array([[ 6.710e-02, 2.190e-06, ..., 9.109e+04,
1.483e+00],
[ 6.710e-02, 2.190e-06, ..., 9.109e+04,
1.483e+00],
...,
[ 6.710e-02, 2.190e-06, ..., 9.109e+04,
1.483e+00],
[ 6.710e-02, 2.190e-06, ..., 9.109e+04,
1.483e+00]]), array([ 4.464e-01, 4.464e-01, ..., 4.464e-01, 4.464e-01]))
```