

```
Across all four plots:

RSS (converged)=1.286

RSS (initial)=3.427

RSS (% reduction)=0.727

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 6.298063e+00 1.285766e+00 7.583829e+00
C_pt -1.101669e-02 1.101671e-02 2.321211e-08
K_t 5.102647e+01 7.228939e-05 5.102654e+01
A_r 3.233912e+10 1.633549e+05 3.233928e+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: 1.2864586430391793
x: [ 6.710e-02 2.190e-06 ... 9.109e+04 1.483e+00]
nit: 100000
nfev: 134610
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([ 1.286e+00, 1.286e+00, ..., 1.286e+00, 1.286e+00]))
```