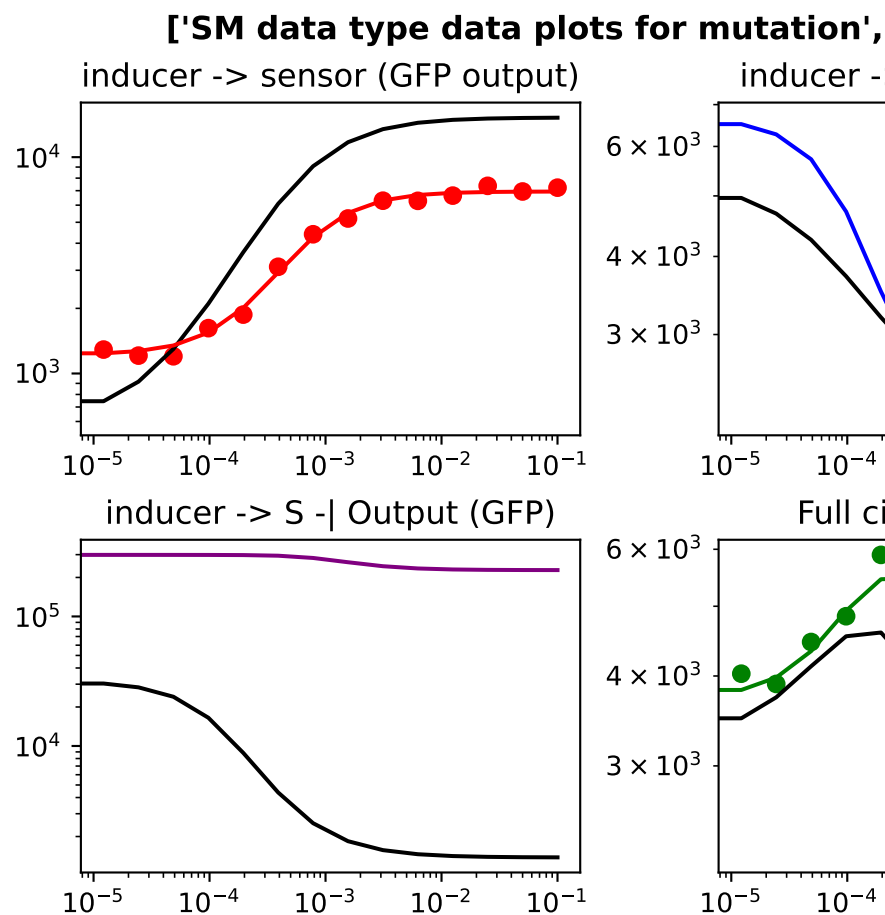


```
2.11243287e-02, 1.17740922e+00, 3.49189021e+00]]), array([0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553,
0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553, 0.01745553,
0.01745553]))
  fun: 0.017455529399947028
message: 'Optimization terminated successfully.'
  nfev: 33038
   nit: 25063
status: 0
success: True
   x: array([1.22146520e+03, 6.93927989e+03, 1.40201623e+03, 1.41479600e+00,
2.15978522e+03, 3.43765697e+05, 4.83602885e-03, 2.43244231e+00,
3.02301859e+01, 2.98852616e+05, 1.03226397e-04, 6.95637690e+00,
2.11243287e-02, 1.17740922e+00, 3.49189021e+00])
```



Across all four plots:

RSS (converged)=0.017

RSS (initial)=1.583

RSS (% reduction)=0.989

	epsilon	Initial_guesses	Converged
A_s	613.068094	608.397103	1221.465197
B_s	-8311.177806	15250.457700	6939.279894
C_s	-266.042816	1668.059050	1402.016234
N_s	0.215862	1.198934	1.414796
A_r	1471.820527	687.964693	2159.785220
B_r	320268.086047	23497.611400	343765.697447
C_r	-0.057531	0.062367	0.004836
N_r	2.040711	0.391731	2.432442
A_h	-560.376362	590.606548	30.230186
B_h	263565.490129	35287.125700	298852.615829
C_h	-0.000427	0.000530	0.000103
A_o	6.126547	0.829830	6.956377
B_o	-4.267046	4.288170	0.021124
C_o	-1.955813	3.133222	1.177409
N_o	1.682872	1.809018	3.491890