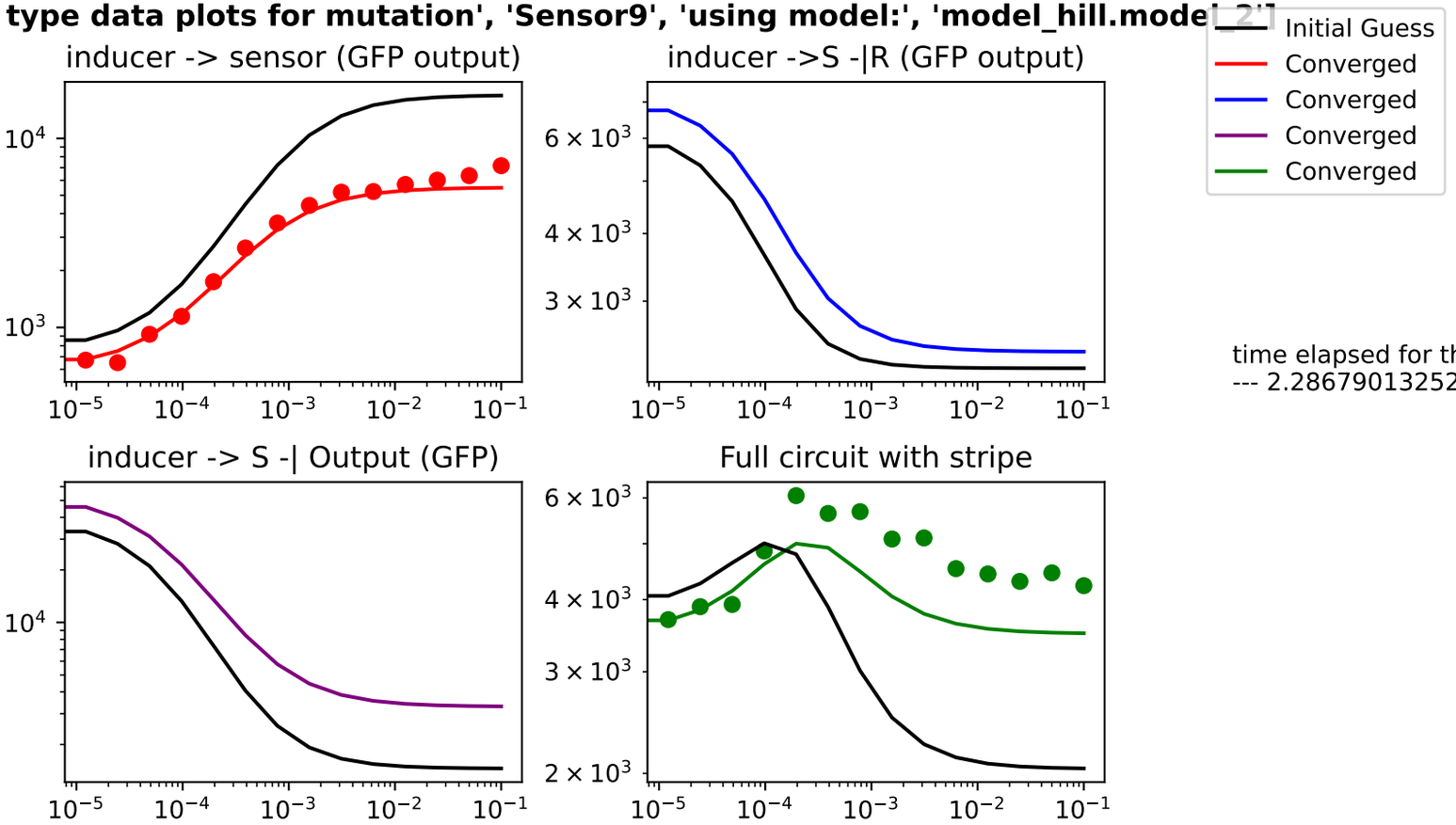
['SM data type data plots for mutation', 'Sensor9', 'using model:', 'model_hill.model_2']



time elapsed for this fit
--- 2.286790132522583 seconds ---

Across all four plots:

RSS (converged)=0.125

RSS (initial)=2.365

RSS (% reduction)=0.95

	epsilon	Initial_guesses	Converged
A_s	-159.188101	7.671584e+02	6.079703e+02
B_s	-11438.182130	1.694202e+04	5.503837e+03
C_s	641.316139	8.969736e+02	1.538290e+03
N_s	-0.082694	1.151182e+00	1.068488e+00
A_r	0.000000	2.229804e+03	2.229804e+03
B_r	0.000000	8.961652e+03	8.961652e+03
C_r	0.000000	1.461384e-03	1.461384e-03
N_r	0.000000	1.841235e+00	1.841235e+00
A_o	0.000000	9.859837e+02	9.859837e+02
B_o	0.000000	1.801530e+07	1.801530e+07
C_o	0.000000	1.010522e-01	1.010522e-01
N_o	0.000000	1.417996e+00	1.417996e+00
F_o	0.000000	1.477611e+00	1.477611e+00

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.1250224476433861
x: [6.080e+02 5.504e+03 ... 1.418e+00 1.478e+00]
nit: 761
nfev: 1192
final_simplex: (array([[6.080e+02, 5.504e+03, ..., 1.418e+00,
1.478e+00],
[6.080e+02, 5.504e+03, ..., 1.418e+00,
1.478e+00],
...,
[6.080e+02, 5.504e+03, ..., 1.418e+00,
1.478e+00],
[6.080e+02, 5.504e+03, ..., 1.418e+00,
1.478e+00]]), array([1.250e-01, 1.250e-01, ..., 1.250e-01, 1.250e-01]))