$k_m = 1, D_i = 3.54e - 14, D_x = 7.377e - 6, C_{sat} = 100000, Mass = 76, Inital\ ratio = 0.747, \sigma = 0.345$ 70 - Inital curve - Inital curve Optimized curve Optimized curve 60 $-\ominus$ - Data points → Data points 8 8.0 8.0 50 d Yield / dt [g/s]0.6 0.6 Yield [g] 30 0.4 0.4 20 2 0.2 0.2 10 0 50 100 150 50 100 150 0 Time [min] Time [min] 0 60 0.10.1 50 6 Constant [cm] 0.2 0.3 0.4 0.4 0.2 Length [cm] 0.3 40 5 4 o 30 3 0.40.420 2 0.5 0.510 0.6 0.6

50

0

100

Time [min]

150

0

50

Time [min]

100

150