Effects of changing different parameters on fit to early life low oxygen data

What time to hatch and change in length would this fit predict for conditions of experiment. Not fitting but simulating.

1. List parameters that give best fit to early life control data
   1. Edited calc\_and\_plot.m code to add an option to manually set axis limits.
   2. Enter in all data for 4 oxygen levels so it can be plotted.
      1. May also want a version with just two oxygen levels to make it easier to see.
2. For one parameter at a time, change it to get it closer to the low oxygen data and record what the different values do for each data type.
   1. How big of a change in value does it take to get close to the hypoxia data?
   2. Does it affect all of the data types or just some?

Best fit to control data for early life only (up to 110 days post fertilization)