Laboratory in Oceanography - Data and Methods
SMAST, UMass Dartmouth
MAR599, Spring 2009

Plotting Homework — Due March 11, 2009

1. Use a `'for'` loop to plot the results of the 7 dye release experiments contained in Okubo_1971.mat on a single plot. Use different colors and markers for each experiment. *Extra credit: Find the scaling exponent.*

2. Make your own plotting defaults file that changes at least 5 defaults (We'll vote on the prettiest in class). Put your defaults file in your Matlab directory and make sure you can call it from another m-file.

3. Make 3 figures using your own data. Explain the purpose of each figure and why you chose each type of figure.

4. Extra credit: Plotyy is natural for plotting two time series with different units. Plotxx would be useful for plotting data from vertical profiles (e.g., CTD casts). Unfortunately, Matlab doesn't have a plotxx command. Make your own.