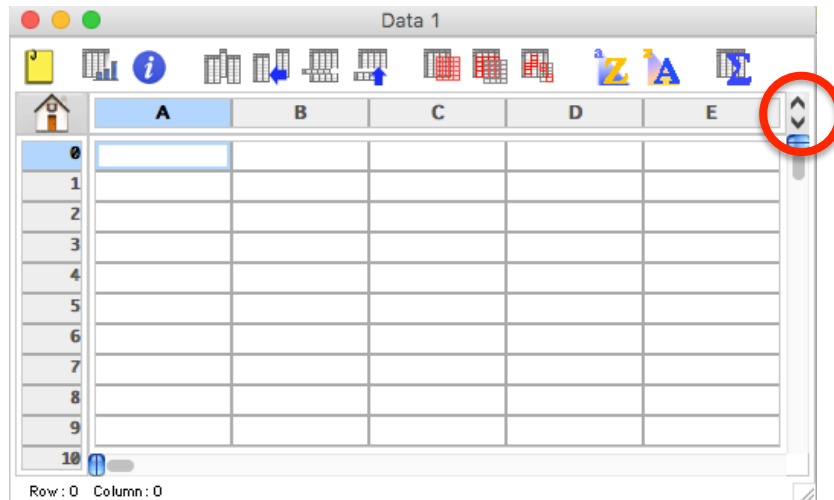


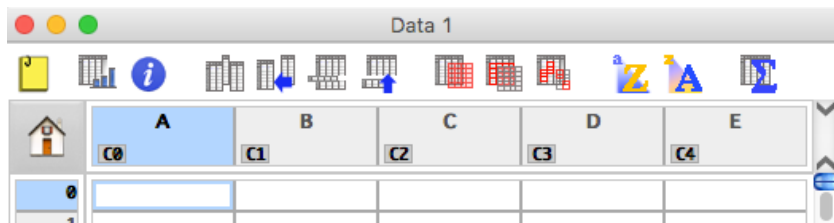
Lesson 1 – Creating a Plot

Goal: create a line plot from data copied from website – Quality of the plot will be addressed in a subsequent lesson.

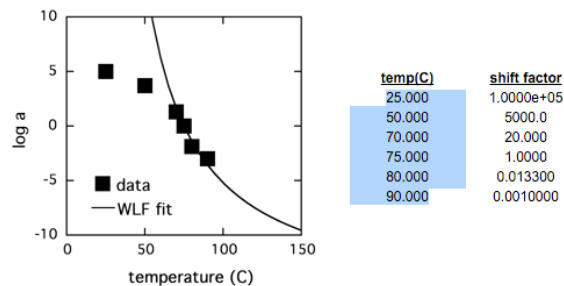
1) Open up Kgraph (by double clicking on the application icon). You should see a data window like:



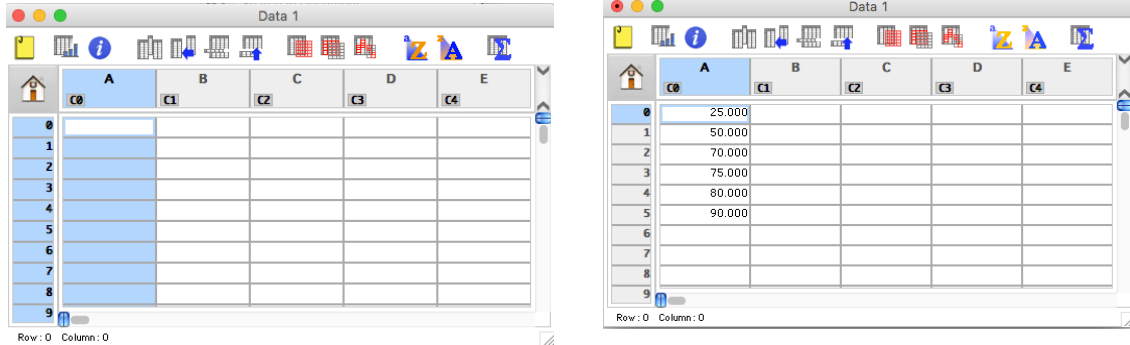
2) In order to more conveniently work with the data, show the column numbering by clicking on the up/down arrows (I have marked these by a red circle). This gives



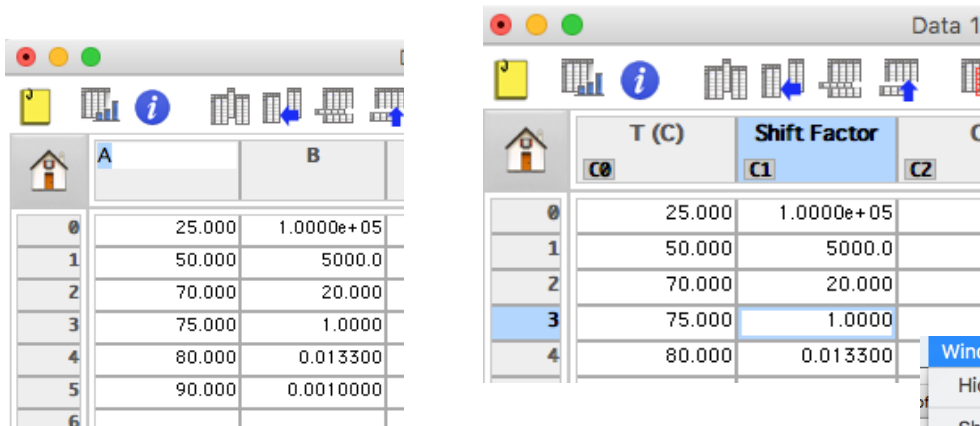
3) Let's put some data in it! Go to http://www.sandia.gov/polymer-properties/T1-master_curve.html where you will see the following (you may need to scroll down)



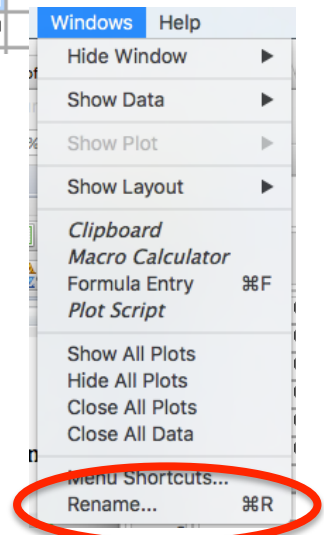
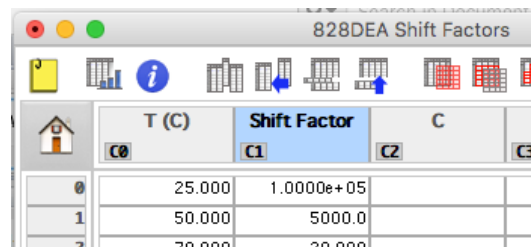
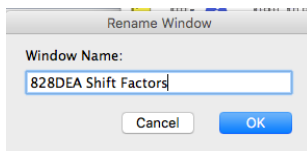
4) By mousing over the number (as shown in the above screen shot) you can highlight one column. Copy these numbers. Highlight the first column in the kgraph window by clicking once on the header (A). The column will turn blue. Now paste in the numbers. Do the same for the second column



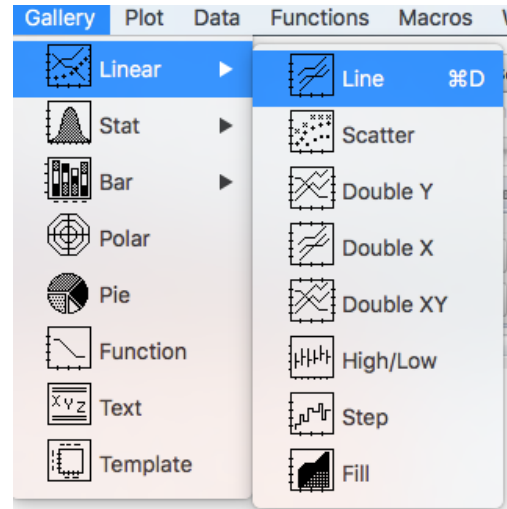
5) Label Columns. Double click on the column header A. Type T (C). Do the same for Column B



6) Label data window. With data window active (click on it to bring it to the "front") select Rename from the pull down menu at the very top of the screen, type "828DEA Shift Factors" and click OK.



7) Plot the data. Make sure data window is active (click on it). From the Gallery menu select Linear and then Line



8) on the window that appears, under X click T (C) and under Y click Shift Factor. Click Add and then Plot. This will generate a new Window that you should then save. The plot will not look great at this point. The next lesson will address making the plot look better

