**Evolution of Data Figure – Wednesday AM Activity Summary**

1. We spent time exploring the evolution of a data figure, from initial exploratory figures to look at patterns in the data to a final explanatory figure to tell the story, in terms of thinking about how to use data to your advantage in analysis and synthesis. We began by thinking of what needs to happen to go from raw collected data to a final visualization to use in a science poster.
2. For the activity we used an example of data that Filipa Carvalho collected from a glider and put together for one of the chapters in her dissertation. So before we began we had a little orientation to how gliders work and collect data. Additionally the context for Filipa’s question was set as we looked at a depth profile of temperature from two different dives of the glider and determined the that location (depth) of the Mixed Layer Depth was different at each time.
3. We then worked in table groups to:
   1. Review and orient ourselves to six provided figures.
   2. Consider if any of the figures are connected/related to one another. If so, how and if not, why not.
4. After time to look through all of the figures we discussed as a group our process of accomplishing the task and our thoughts about whether any of the figures related to one another. We discussed how a figure that tells the story in a poster is never the first and only figure that is created, but rather we go through an iterative process of learning more about our data as we try to tell the story best.
5. Filipa then shared her process of developing the figures and explained how they all relate to one another.