Lillian Henderson

As primarily a marine organic geochemist, the research I do on a daily basis involves intensive lab work and wet chemistry in order to isolate individual compounds for stable carbon and nitrogen isotope analysis. Because of the time required to prepare each sample, I typically work with relatively small datasets/sample sizes. In contrast, the CFC work I was able to do on the GO-SHIP A22 hydrographic cruise involves very little sample preparation, allowing for much larger collections of data. These larger datasets provide better understanding of the global ocean circulation patterns. Being a part of this cruise provided me an opportunity to learn a new sampling method and analytical technique that I would not have been exposed to otherwise. I learned about the analytical system used to measure CFC/SF6/N2O concentrations and how these data are used. I had a great time getting to know everyone, and I hope to work on another GO-SHIP cruise in the future!