

### **Data Management Plan**

We will promptly present details of our evaluation and results in peer-reviewed journals as well as at conferences. Data will be made available to interested parties upon receipt of requests to our corresponding manuscript and proceedings authors. Data will be made available consistent with the Division of Ocean Science's OCE General Data Policy. Any intellectual property generated from this work will be filed in accordance with USF and SRI policy.

The data obtained during this project will consist of carbon system analysis data including measurements of total alkalinity, total inorganic carbon, carbon dioxide fugacity, carbonate ion and pH at various temperature, salinity and  $p\text{CO}_2/\text{A}_\text{T}$  levels, as discussed in the Project Description. Instruments used to collect data include an automated spectrophotometric alkalinity titration system, an automated coulometric dissolved inorganic carbon analyzer, a Picarro isotopic carbon dioxide analyzer, a Varian Cary 4000 spectrometer, two Agilent 8453 diode array spectrometers and two HP 8453 UV/VIS spectrophotometers, a LiCor CO<sub>2</sub>/H<sub>2</sub>O analyzer, and a multiple-parameter inorganic carbon system analyzer. Data will be (1) collected via instrument software on a computer and made available for viewing in text files, Microsoft Excel, or using Matlab; (2) stored in files with unique identifiers for each experiment; and (3) maintained on the lab computers in Dr. Byrne's labs, and at SRI. Data analysis procedures will be carefully documented. Backup data will be stored on the SRI server that is also backed up weekly on tape.

Additional materials will be available as lesson plans for use in St. Petersburg High School that serves an underrepresented, minority population. These materials, including suggested teaching modules and experiments, will be bound and presented at a district-wide training event for Pinellas County high school science and math teachers. The materials will also be available for dissemination to other educators.