Postdoctoral Associate to study Surface Ocean Alkalinity: Temporal and Spatial Variability from Satellite Derived Products

The Rosenstiel School of Marine and Atmospheric Science at the University of Miami, invites applicants for the position of Postdoctoral Associate to participate in a study of the temporal and spatial variability of surface ocean alkalinity. In the oceans, alkalinity is a gauge on the ability of seawater to neutralize acids. Alkalinity is a major component of seawater, and there is a strong correlation between total alkalinity and salinity. The project entails assembling and analyzing independent data sets including time series and satellite data. Aquarius SSS with SST satellite data provide unprecedented spatial and temporal coverage for the global ocean to document changes in surface total alkalinity and other carbon parameters. The successful applicant will be contributing to a better understanding of the processes affecting the global total alkalinity, and their work will have direct significance for understanding the effects of ocean acidification.

Applicants should hold a Ph.D. in Chemical Oceanography or a related field, have a strong background in carbon chemistry and significant prior experience in analysis of data. Fluency in matlab, excellent interpersonal skills, as well as written and verbal communication skills are also required. The position is for up to three years. A small relocation allowance is also available.

Applicants should send a letter stating their interest and background including a complete resume and names and addresses of at least three references to Professor Rana Fine at the Rosenstiel School of Marine and Atmospheric Science, Division of Chemical Oceanography, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149-1098, USA, or via e-mail to rfine@rsmas.miami.edu by 31 October 2012. University of Miami is a private, independent, international University, an Affirmative Action/Equal Opportunity Employer, and a drug free workplace.