



DEPARTMENT OF GEOSCIENCES
SENIOR THESIS
CLASS OF 2014

- Andrea M. Beale** “Fluid Inclusions in Marine Halite as a Window into the MG Isotopic Composition of Past Oceans”
J. Higgins / M. Bender
- Sarah E. Blucher** “An Integrated ChemoStratigraphic Approach to Understanding The Siluro-Devonian Positive Carbon Isotope Excursion”
A. Maloof / B. Schoene
- Charlotte E. Conner** “Using $^{15}\text{N}/^{14}\text{N}$ in Diatom Fossils to Understand Changes In Surface Ocean Nutrient Dynamics 2.73 MA”
D. Sigman / F. Morel
- Lauren A. Lewis** “Using U-PB Geochronology to Constrain The Formation Of a New Jersey Nelsonite”
B. Schoene / T. Duffy
- Kathleen M. Ryan** “Precision and Accuracy of Low-Cost Global Positioning Augmentation Systems”
F. Simons / A. Maloof
- Nathan D. Serota** “Aerosols, Change Points, and the Evolving Land Carbon Sink”
J. Sarmiento / D. Medvigy
- Robert D. Shepherd** “Diagenesis in the Great Bahamas Bank: An Analysis of Mg Isotopes in the Sediment Cores from ODP Site 1003”
J. Higgins / B. Schoene
- Alan R. Southworth** “Updates to Leaf Respiration Parameterization: Assessing the Impact of Light Inhibition, Leaf Expansion, and a Warming Scenario for Carbon Budget Modeling”
D. Medvigy / M. Bender
- Djohan M. Sutjiawan** “New Constraints on the Size of Io’s Core”
T. Duffy / A. Rubin
- Regina R. Wang** “A Species-Specific Approach to Predicting the Timing of Deciduous Leaf Emergence in the United States”
D. Medvigy / G. Philander
- Saul M. Kinter (GE)** “Modeling Water Distributions Along the Brazos River”
J. Smith / J. Sheffield