



**NOAA Office of Education  
Educational Partnership Program**

**Student Scholarship Presentation Awards  
BEST PRESENTATIONS**

**Monday, July 31, 2006**

Session 1A: **Christina Haig, Arizona State University**  
National Weather Service, National Centers for Environmental Prediction, Space Environment Center, Boulder, CO  
*Where Have All the Electrons Gone? Testing Mechanisms Proposed to Explain the Loss of High Energy Electrons from the Earth's Magnetosphere*

Session 1B. **Deborah Osborn, Bucknell University**  
Office of Ocean and Atmospheric Research, Cooperative Institute for Climate and Ocean Research  
*Pseudo-nitzschia: Emerging Harmful Algal Bloom threat in the Gulf of Maine*

**Tuesday, August 1, 2006**

Session 2A. **Caitlin Kryss, University of Hawaii – Hilo**  
National Marine Fisheries Service, Pacific Science Center, Honolulu, HI  
*Assessment of Coral Reef Ecosystems of the Northwestern Hawaiian Islands*

Session 2B. **Rejane Frederick, Juniata College**  
Office of Oceanic and Atmospheric Research  
*Are Changes in Summertime Aerosol Properties at Barrow Correlated with Sea Ice Breakup?*

Session 2C. **Shannon Capps, Vanderbilt University**  
Office of Oceanic and Atmospheric Research, Earth System Research Laboratory/Physical Sciences Division/ Climate Monitoring and Diagnostic Laboratory  
*Analysis of Nitrogen Oxide Emissions from U.S. Power Plants*

Session 3A. **Brandon Miller, Georgia Institute of Technology**  
National Weather Service, Peachtree Weather Forecast Office, Atlanta, GA  
*Analysis of Cross-Spectrum Supercells during the North Georgia Tornado Event of 2 January 2006*

- Session 3B. **TIE!**  
**Leigh Patterson, Penn State University**  
Office of Oceanic and Atmospheric Research, Earth System Research Laboratory/  
Global Monitoring Division  
*Measuring Hydrogen and Methane using Gas Chromatography with Electron  
Capture Detection*
- Caitlin Rochford, St. Louis University**  
Office of Oceanic and Atmospheric Research, Earth System Research  
Laboratory/Physical Sciences Division  
*Temperature Patterns in Complex Terrain: A Case Study of the Rocky Mountains*
- Session 3C. **Anja Pflingsten, Texas A&M University**  
National Ocean Service, Channel Islands National Marine Sanctuary  
*The People of the Channel Islands National Marine Sanctuary*

## **Wednesday, August 2, 2006**

- Session 4A. **Rachel Struch, Coastal Carolina University**  
National Marine Fisheries Service, Southwest Fisheries Science Center  
*Saddle Patch Variation in Killer Whales of the Eastern Pacific*
- Session 4B. **Branson Williams, University of Maryland – Eastern Shore**  
National Ocean Service  
*Determining Habitat Use of Summer Flounder in the Lower Chesapeake Bay  
using Passive Acoustics*

## **PRESENTATION HONORABLE MENTIONS:**

The judges felt these students did an outstanding job and deserve recognition.

**Andrew Collier, Cornell University**  
National Marine Fisheries Service, Honolulu, HI  
*Ground-truthing the SST Satellite Record in the Mariana Archipelago*

**Nicholas Gebauer, Michigan State University**  
Office of Oceanic and Atmospheric Research, Earth System Research Laboratory/Global  
Systems Division  
*One NOAA Development: Projecting Meteorological Data on Google Earth*

**Jacob Katz, Sonoma State University**  
National Marine Fisheries Service, Northwest Fisheries Science Center, Santa Rosa, CA  
*Salmonid Assessment and Restoration in Central CA Coast*

**Caroline Larsen, North Carolina State University**  
Office of Oceanic and Atmospheric Research, Institute for Arctic Research CIFAR and  
National Weather Service, Weather Forecast Office, Fairbanks, AK  
*A Synoptic Overview of the Severe Bering Sea Storm of 2004: Are Severe Alaskan  
Coastal Storms Increasing in Frequency?*

**Precious Lewis, Tennessee State University**

National Marine Fisheries Service, Atlantic Oceanographic and Meteorological Laboratory

*The Role of Tropical Cyclones in Global and U.S. Annual Rainfall*

**Craig Schwartz, Penn State University**

National Weather Service, National Centers for Environmental Prediction, Storm Prediction Center, Norman, OK

*Spring Time Convective Climatology of High Resolution WRF Models*

**Samuel Sturdivant, University of Maryland – Eastern Shore**

National Ocean Service, Gray's Reef National Marine Sanctuary (GRNMS)

*Assessing the Utilization of Reef Ledges by Loggerhead Sea Turtles “Caretta caretta” in and Around GRNMS, Georgia to Remove Epibionts*

**Lindsey Thomas, University of Georgia**

National Ocean Service, National Marine Sanctuary Program, Pacific Islands Regional Office, Honolulu, HI

*Site Formation Process in the Northwestern Hawaiian Islands*

## **Poster Session**

1<sup>st</sup> Place:

**Tess Brandon, Cornell University**

National Marine Fisheries Service, Alaska Fishery Science Center

*Defining pelagic habitats in the eastern Bering Sea shelf ecosystem using bio-physical measures*

**Lauren Kuehne, Seattle Central Community College**

National Marine Fisheries Service, Northwest Fisheries Science Center, Montlake Lab

*Harmful Algal Blooms - Domoic Acid in San Juan Eddy*

2<sup>nd</sup> Place:

**Krizia Negron-Hernandez, University of Puerto Rico – Piedras Campus**

National Weather Service

*Accuracy of United States Tropical Cyclone Landfall and Intensity Forecast in the Atlantic Basin (2004 - 2005)*

**Soralis Pimental, University of Puerto Rico – Mayaguez**

National Weather Service, National Centers for Environmental Prediction

*Evaluation of CASA X-band Radars*

**Thanks to all of the Judges:**

Jamie Krauk  
Cassandra Barnes  
Jennifer Hammond  
Felicity Burrows  
Dennis Apeti  
Al Strong  
Jeannine Cody  
Melissa Andersen  
Kea Duckenfield  
Alan Leonardi  
Paul Ticco  
Martin Yapur  
Kimani Kimbrough  
Jim O'Sullivan  
Dan Pisut  
Sam Contorno  
Ellen Mecray  
Jen Koss

Samantha Brook  
Barbara Schroeder  
Jon Lilley  
John Mclaughlin  
John Schattel  
Molly Harrison  
Kay McGraw  
Patti Delgado  
James Sims  
Susan White  
Laura Walko  
Elizabeth Mountz  
Hernan Garcia  
Matt Gove  
Phillip Hoffman  
Suzanne Lenihan