



**NOAA Office of Education
Student Scholarship Programs**



2010 Student Scholarship Presentation Awards

POSTER PRESENTATIONS - Ecosystems

1st Place – Ashley Hibbard

Title of Presentation: Integrating the Florida Keys National Marine Sanctuary Research Permit Database with ArcGIS to visualize Scientific Utilization Patterns

1st Place - Jesse Thornburg

Title of Presentation: AUV/ROV Research for Sensing Light Levels and Scar Size in Eelgrass Beds

2nd Place – Ashton Mead-Cullum

Title of Presentation: Sanctuary Ocean Count: Analysis of Humpback Whale Census and Behavioral Data

2nd Place – Tyler Linderoth

Title of Presentation: Paternity Analysis of Two Sebastes Rockfish Species from the California Coast

3rd Place – Lorielle Jackson

Title of Presentation: Interactive Mapping System for Monachus Schauinslandi (Hawaiian monk seal) Sightings Data

3rd Place – Mitchell Isaacson

Title of Presentation: Non indigenous Sport Fish Stocking Trends in the Pacific NW

POSTER PRESENTATIONS – OTHER MISSION GOALS

1st Place – Molly Moynihan

Title of Presentation: E-coli and Enterococci Concentrations in Great Lakes Beaches: Implications of Small-Scale Sampling Variability on Perceived Threats to Human Health

2nd Place – Sarah Larson

Title of Presentation: On the Potential Impact of Modoki El Nino on Atlanta Hurricane Activity

3rd Place – Andrew Carver

Title of Presentation: Quantifying Lane Motion and Water Change Estimates Using Continuously Operating GPS Data to Estimate Sea-Level Change

3rd Place – Adam Gonsiewski

Title of Presentation: Developing a Lightning Climatology for the Northern Mid-Atlantic Region

The **Oral Presentations** were judged by NOAA Mission Goal, the following Undergraduate Scholarship Students received the awards indicated below:

ORAL – Weather and Water

1st Place – Christopher Slocum

Title of Presentation: Improved Analysis of the Tropical Cyclone Outer Wind Structure using IR Satellite Wind Retrievals in a Global Numerical Weather Prediction Model

1st Place – Nicole Grams

Title of Presentation: Verification of Operational Storm Surge Forecasting Tools at the National Hurricane Center

2nd Place – Garret Combs

Title of Presentation: Characteristics and Estimated Warning Success Rates of QLCS and Supercell-Produced Significant Tornadoes in the Southeast United States

2nd Place – Nicholas Holschuh

Title of Presentation: Improving Tsunami Warning Protocols through the Incorporation of Historical Data

3rd Place – Benjamin Herzog

Title of Presentation: Enhanced Lightning Products and Services for Incident Support Operations through Improved Short Term Forecast Technique

3rd Place – Justin Krosschell

Title of Presentation: Intercalibration of the GOES Energetic Particle Sensor (EPS) Solar Proton Measurements During Solar Cycle 23

ORAL - Climate

1st Place – Abigail Dyer

Title of Presentation: Vog on the Big Island of Hawaii

2nd Place – Carolyn Doherty

Title of Presentation: Climate Change in American Samoa – Implications and Adaptation Measures

3rd Place – Anthony Acciaioli

Title of presentation: Assisting Great Lakes Coastal Communities with Climate Change Adaptation

ORAL - Mission Support

1st Place – Martin Blow

Title of Presentation: Utilizing Advanced Technologies in Oceanographic and Atmospheric Observations

2nd Place – LaEsha Barnes

Title of Presentation: How Round is a Rectangle? Latitudinal Scale Correction for Spherical Displays

3rd Place – Malcolm Blow

Title of Presentation: Employing Autonomous Technologies in Earth Observations: The application of Unmanned Aerial Systems to Future Oil Spills

3rd Place – Laura Bendernagel

Title of Presentation: Predicting the Movement of Oil in the Gulf of Mexico Using In Situ Data, Surface Drifter Data and Numerical Models

ORAL - Ecosystems

1st Place - Kimmaree Horvath

Title of Presentation: Coral Reef Response to Climate change and Ocean Acidification: Building the Baseline

2nd Place – Keith Hernandez

Title of Presentation: Long Term Song Seasonality and Patterns of Humpback Whales (*Megaptera Novaeangliae*) on a Feeding Ground

2nd Place – Rebecca Derex

Title of Presentation: Marine Mammal Strandings, Life History and Reproductive Development

3rd Place – Pamela Moriarty

Title of Presentation: Movement Patterns of Lion's Mane Jellyfish, *Cyanea Capillata*, in the Puget Sound

3rd Place – Richard Cockrum

Title of Presentation: Bringing International Sea Turtle Conservation Efforts into the 21st Century