

LAMONT SUMMER INTERNSHIP PROGRAM, 2021

Intern Name	School	Final Presentation, Poster Title	Mentors
Alexia Alejos	Columbia University	<i>Characterizing Southern Hemisphere westerly winds over the Marine Isotope Stage 8 to 7 Transition</i>	Jordan Abell, Gisela Winckler
Malik Atadzhanov	Kingsborough Community College	<i>Constraining the Timing and Chemical Composition of the Mid Sixth Century Submarine Volcanic Eruptions Between 45 North and 30 South</i>	Dallas Abbott, Karin Block
Kristen Avery	Tompkins Cortland Community College	<i>What Can the Geochemical Variations in Stromatolite Layers Tell Us About Climate Variability in Eastern Africa?</i>	Christopher Lepre, Paul Olsen
Grace Brown	Barnard College	<i>The Interannual Variability of Carbon Monoxide in the Upper Troposphere-Lower Stratosphere over the Asian Summer Monsoon Region</i>	Yutian Wu
Amanda Chen	Wellesley College	<i>Examining Mineralogical Variations through ODP Site 959 in the Gulf of Guinea</i>	Benjamin Bostick, Sidney Hemming
Ashley Dann	University of Florida	<i>CO₂ Storage and Hydrate Stability: A Comparison of Offshore Basaltic Reservoirs</i>	David Goldberg, Angela Slagle
Tania DaSilva	Dominican College of Blauvelt	<i>Quantitative Analysis of Modern Fish Kills and Fossil Fish: Algae Rafting in the Fossil Record</i>	Clara Chang, Sean Kinney, Christopher Lepre, Paul Olsen
Connor Diaz	Columbia University	<i>Occupational Heat Stress to Agricultural Workers from Humid Heat</i>	Radley Horton, Mingfang Ting
Shriya Fruitwala	Haverford College	<i>Analyzing the Record-Breaking 2020 Atlantic Hurricane Season</i>	Suzana Camargo, Chia-Ying Lee
Fernando Fuentes	LaGuardia Community College	<i>Can Earthquakes be Induced by Thermal Expansion or Chemical Expansion Affecting Stress in the Earth?</i>	William Menke
Olivia Gadson	Georgetown University	<i>Investigating shell thickness and preservation in two species of planktic foraminifera over millions of years</i>	Lloyd Anderson, Natalie Umling
Herman Garcia	The City College of New York	<i>Utilizing stable isotopes to reconstruct ocean circulation during the last 70 kyrs in the North Atlantic</i>	Jerry McManus, Yuxin Zhou

Cyril Gilman	Columbia University	<i>What is the relationship between European SO2 emissions and North Atlantic Tropical Cyclone behavior?</i>	Suzana Camargo, Arlene Fiore, Chia-Ying Lee, Dan Westervelt
Annika Gonzales	California State University Long, Beach	<i>Connecting Changes in Volcanic Activity to Glacial-Climates Over the Last ~6 Ma from Central America to the Central Andes</i>	Steven Goldstein, Sidney Hemming, Michael Kaplan, Carolina Munoz Saez
Karine Holmes	Iowa State University	<i>Multispecies foraminifera reconstruction of the Eastern Equatorial Pacific thermocline during the Holocene and last glacial interval</i>	Celeste Pallone, Jerry McManus
Ellen Jorgensen	Syracuse University	<i>Contextualizing North American Sediment within Heinrich Events</i>	Jerry McManus, Yuxin Zhou
Ashley Lambert	College of Staten Island	<i>Did Iceberg Discharge in the Labrador Sea Influence Climate or Ocean Circulation Since the End of the Last Ice Age?</i>	Jerry McManus
Madison Mahan	University of Maine	<i>A Temporal Record of Plio-Pleistocene Volcanism of the Kurile-Kamchatka arc from ODP Site 881, northwest Pacific</i>	Susanne Straub
Tavehon McGarry	Columbia University	<i>Analyzing the Relationship Between Environmental Conditions and Arsenic Absorption in Rice</i>	Craig Connolly, Benjamin Bostick
Katelyn McPaul	Columbia University	<i>Improving Measurement of Nitrogen, Argon, and Oxygen in the Ocean Using Gas Chromatography</i>	Martin Stute, William Smethie
Sera Ndure	Housatonic Community College	<i>Do Monthly to Inter-annual Rainfall Patterns Affect the Abundance of Sewage Bacteria in the Hudson River?</i>	Kailani Acosta, Andrew Juhl
Olivia Pfetsch	Columbia University	<i>Exploring Connections between Seafloor Topography and the Bottom Boundary Layer</i>	Andreas Thurnherr
Ellen Ren	Barnard College	<i>Correction for PurpleAir PM2.5 Data in the NYC area</i>	Steven Chillrud, Qiang Yang
Charlotte Rhoads	Vassar College	<i>Does Supplementing Travel Time Data with Amplitude Data Improve Geo-tomographic Determinations of Earth Structure</i>	William Menke
Jovan Snyder	Rutgers University - New Brunswick	**Unable to attend final presentation**	Galen McKinley, Lauren Moseley
Bryn Stecher	Barnard College	<i>A Holocene deglaciation history of the Juneau Icefield, southeastern Alaska, using cosmogenic ¹⁰Be</i>	Alexandra Balter-Kennedy, Joerg Schaefer

Emily Stone	Barnard College	<i>Late Glacial to Holocene Climate Shifts as Revealed by Vegetational Macrofossil Reconstruction, Maplecrest Bog, Catskill Mountains, New York</i>	Dorothy Peteet
Anzim Sultan	City College of New York	<i>Constraining the Timing and Chemical Composition of the Mid Sixth Century Submarine Volcanic Eruptions Between 45 North and 30 South</i>	Dallas Abbott, Karin Block, Steven Jaret
Oumou Traore	Hostos Community College	<i>What Can Inherited Zircons Tell Us About the Sources of The Central Atlantic Magmatic Province and Its Transit Through the Earth's Crust?</i>	Clara Chang, Sean Kinney, Paul Olsen
Felicia Trebian	Navajo Technical University	<i>Translation of orbital pacing to climate at a transitory interval of low CO2 during the dawn of the dinosaurs</i>	Clara Chang, Sean Kinney, Paul Olsen
Savannah Ward	Columbia University	<i>NO_x and PM2.5 measurements with low cost sensors and reference monitors at a high traffic site in Nairobi, Kenya</i>	Dan Westervelt