

Jase Bernhardt, Ph.D.

Assistant Professor, Sustainability and Atmospheric Science
Department of Geology, Environment, and Sustainability, Hofstra University

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EDUCATION

PhD Geography, The Pennsylvania State University, Fall 2016

Dissertation: A Comparison of Daily Temperature Averaging Methodologies: Uncertainties, Related Spatial Variability, and Societal Implications

MS Geography, The Pennsylvania State University, Spring 2013

Thesis: A Synoptic Climatology of Contrail Outbreaks and Associated Surface Temperature Impacts for Two Sub-Regions of the Continental United States

BS Atmospheric Science, Cornell University, Spring 2011

ACADEMIC EMPLOYMENT

Assistant Professor, Hofstra University

Spring 2017 - Present

Tenure-track assistant professor in the Department of Geology, Environment and Sustainability. Teach courses in climatology, meteorology, and sustainability. Oversee undergraduate student research and independent studies. Supervise the Hofstra Student Sustainability Club. Manage the network of three on-campus weather stations.

Instructor (Tenure-Track), Hofstra University

Fall 2016

PROFESSIONAL APPOINTMENTS

Graduate Teaching Assistant, The Pennsylvania State University

2011 - 2016

Served as a teaching assistant or instructor for ten semesters and two summers. Taught courses in climatology, physical geography, and GIS.

Broadcast Meteorologist, *Weather World*

2012 - 2016

Presented four to five minute weather forecasts, and one minute forecast recaps, on the Pennsylvania statewide-televised weather magazine program. Created my own forecasts and monologues and selected the graphics to be used for presentation.

Summer Experience in Earth and Mineral Sciences, Research Mentor

2014, 2015

Instructed underrepresented high school students participating in the Upward Bound Math and Science Program, supporting study and summer residence for 8 weeks at Penn State.

Undergraduate Research Assistant, Northeast Regional Climate Center 2007 - 2011
Researched the climatology of East Coast Winter Storms and assisted with quality control of historical United States climate data as part of the National Climatic Data Center's Climate Database Modernization Program.

Climate Change Intern, Cornell Cooperative Extension, Dutchess County 2008
Developed fact sheets, reports, and other materials for the public on climate change, including the air quality and climate chapter of the Dutchess County Natural Resources Inventory.

REFEREED PUBLICATIONS

Publications since appointment at Hofstra, Fall 2016

2018 **Bernhardt, J.**, J. Snellings, A. Smiros, *I. Bermejo*, *A. Rienzo*, *C. Swan*. Communicating Hurricane Risk with Virtual Reality: A Pilot Study. *Bulletin of the American Meteorological Society*. **In-progress.**

Bernhardt, J. and A. M. Carleton. Comparing Daily Temperature Averaging Methods: The Role of Surface and Atmosphere Variables in Determining Spatial and Seasonal Variability. *Theoretical and Applied Climatology*. **Submitted.**

Bernhardt, J., A.M. Carleton, C. LaMagna. A Comparison of Daily Temperature Averaging Methods: Spatial Variability and Recent Change for the CONUS. *Journal of Climate*, 31, 979-996. **Published, single-blinded.** 2016 Impact Factor: 4.161

Publications prior to appointment at Hofstra

2017 Hedberg, R., A. Hesse, D. Baldwin, **J. Bernhardt**, D. Retchless, J. Shinn. Preparing Geographers for Interdisciplinary Research: Graduate Training at the Interface of the Natural and Social Sciences. *Professional Geographer*, 69, 107-116. **Published, double-blinded.** 2016 Impact Factor: 1.276

2015 **Bernhardt, J.** Determining Regional Weather Patterns from a Historical Diary. *Weather, Climate, and Society*, 7, 295-308. **Published, single-blinded.** 2016 Impact Factor: 2.594

Bernhardt, J. and A. M. Carleton. The impacts of long-lived jet contrail 'outbreaks' on surface station diurnal temperature range. *International Journal of Climatology*, 35, 4529-4538. **Published, single-blinded.** 2016 Impact Factor: 3.76

Carleton, A.M., A.D. Silva, **J. Bernhardt**, J. VanderBerg, D.J. Travis. Sub-region scale hindcasting of contrail outbreaks, utilizing their synoptic climatology. *Journal of Applied Meteorology and Climatology*, 54, 1733-1755. **Published, single-blinded.** 2016 Impact Factor: 2.365

2014 Blandford, I., **J. Bernhardt**, A. Savelyev, G. Wong-Parodi, A. Carleton, D. Titley, A. MacEachren. Tweeting and Tornadoes. *Proceedings of the 11th International Conference*

on Information Systems for Crisis Response and Management. Published peer-reviewed conference proceedings, single-blinded.

- 2013 Carleton, A.M., A.D. Silva, M.S. Aghazarian, **J. Bernhardt**, D.J. Travis, and J. Allard. Mid-season climate diagnostics of jet contrail "outbreaks", and implications for eastern U.S. sky cover trends. *Climate Research*, 56, 209-230. **Published, single-blinded.** 2016 Impact Factor: 1.578
- 2012 **Bernhardt, J.** and A. T. DeGaetano. Meteorological factors affecting the speed of movement and related impacts of extratropical cyclones along the U.S. east coast. *Natural Hazards*, 61, 1463-1472. **Published, single-blinded.** 2016 Impact Factor: 1.833

GRANTS AND FELLOWSHIPS

Grants and Fellowships since appointment at Hofstra, Fall 2016

National Science Foundation, Improving Undergraduate STEM Education: Pathways into Geoscience, Co-PI

2017 \$ 358,463 (*Recommend for funding if possible, but ultimately not funded*)

Hofstra University, Faculty Research Development Grant

2017 \$1,260

National Science Foundation, Improving Undergraduate STEM Education: Pathways into Geoscience, Co-PI

2016 \$ 338,985 (*Recommend for funding if possible, but ultimately not funded*)

Grants and Fellowships prior to appointment at Hofstra

Graduate Research Fellowship Program, Pennsylvania Space Grant Consortium

2013-15 \$10,000

Penn State University Office of Global Programs, Graduate Travel Grant

2015 \$500

Penn State University, College of Earth and Mineral Sciences, Centennial Graduate Research Award

2012 \$1,000

AWARDS AND HONORS

Awards and Honors prior to appointment at Hofstra

Best Student Paper Award, 13th History Symposium, 95th American Meteorological Society Annual Meeting

2015 \$700

Penn State University, Department of Geography, E. Willard Miller Outstanding Paper Award

2012, 2015 \$400 (each)

Penn State Department of Geography, James T. Meyer Outstanding Graduate Teaching Assistant Award

2014 \$1,000

3rd place, Association of American Geographers Climate Specialty Group Student Paper Competition

2013 \$100

Best Student Paper Award, AAG, Middle States Division Annual Meeting,

2013 \$100

World Geography Bowl, Travel Grant, 2013-2016 AAG Annual Meetings

2013-16 \$300 (each)

Cornell University, Department of Earth and Atmospheric Sciences, Brian Bosart Award

2010 \$3,000

INVITED PRESENTATIONS

Invited Presentations since appointment at Hofstra, Fall 2016

2018 **New York National Weather Service Office Spring Weather Workshop**

Presented research results and demonstration of hurricane virtual reality work.

National Hurricane Center

Presented seminar on hurricane virtual reality research for leading hurricane forecasters and researchers.

Great Neck Public Library

Lecture for the public on climate change and my current research into the communication of hurricane warnings using virtual reality.

2017 **WABC Weather Summit**

Panelist for community outreach event at Hofstra University alongside broadcast meteorologists from WABC. Topics covered included winter weather forecasting, hurricane prediction, and climate change.

**Stony Brook University, School of Marine and Atmospheric Sciences (SoMAS),
Topics in Atmospheric and Oceanic Science (TAOS) Seminar**

Speaker at the school's weekly seminar series with lecture entitled "A Comparison of Daily Temperature Averaging Methods: Spatial Variability and Recent Change for the CONUS"

Green Party of Nassau County

Speaker at local chapter meeting on the science behind jet contrails and their impacts on weather and climate.

Greentree Foundation Teachers' Ecology Workshop

Instructor at July 17-21, 2017 workshop for Long Island elementary and secondary school teachers focused on instructing students about the natural world.

People, Pipelines and Politics: What citizens can do to address climate change challenges under today's EPA, Hofstra University

Invited panelist at April 20, 2017 event discussing climate science and policy under the Trump administration as part of Hofstra's Earth Week.

2016 **'Facing the Surge' film screening, Citizens Climate Lobby of Long Island**

Invited panelist at October 9, 2016 event screening a documentary on sea level rise for the public, followed by a scientific discussion on sea level rise projections and uncertainty.

Invited Presentations prior to appointment at Hofstra

2016 **Coffee Hour, Department of Geography, Penn State University**

Graduate student lightning talk for the March 4, 2016 department seminar "*Weather World: Bridging the gap between geography and meteorology.*"

2014 **Coffee Hour, Department of Geography, Penn State University**

Graduate student lightning talk for the October 17, 2014 department seminar entitled "Jet Contrails and Society- Not Just a 'Cloudy' Outlook" and lightning talk.

Backbone Ridge History Group, Trumansburg, New York

Oral presentation, "Determining Local Weather and Climate Patterns in Southern Seneca County from Herman Smith's 1884 Diary" at April 26, 2014 meeting of historical society.

2010 **Conference on the Natural Resource Inventory of Dutchess County, NY**

Oral presentation on the "Climate and Air Quality of Dutchess County" chapter of the Dutchess County Natural Resources Inventory at a November 6, 2010 conference on the updated document.

CONFERENCE PARTICIPATION

Conference Presentations since appointment at Hofstra, Fall 2016

- 2018 **Annual Meeting of the Association of American Geographers (AAG)**
April 10-14, New Orleans, LA. Oral presentation, “Communicating Hurricane Risk with Virtual Reality: A Pilot Study.”
Panelist, “Teaching the Modern Physical Geography Laboratory.”
Panelist, “3D and Immersive Technologies for Geospatial Sciences III.”

43rd Annual Northeast Storm Conference

March 9-11, Saratoga Springs, NY. Oral presentation, “Communicating Hurricane Risk with Virtual Reality: A Pilot Study.”

American Meteorological Society (AMS) Annual Meeting

January 7-11, Austin, TX. Oral presentation, “Communicating Hurricane Risk with Virtual Reality: A Pilot Study.”

- 2017 **Annual Meeting of the AAG**

April 5-9, Boston, MA. Oral presentation, “A Comparison of Daily Temperature Averaging Methodologies: Spatial Variability, Seasonal Patterns, and Related Climate Variables in the CONUS.”

AMS Annual Meeting

January 22-26, Seattle, WA. Poster, “A Comparison of Daily Temperature Averaging Methodologies: Spatial Variability, Seasonal Patterns, and Related Climate Variables in the CONUS” at the 29th Conference on Climate Variability and Change.

- 2016 **AAG, Middle States Division Annual Meeting**

November 4-5, Altoona, PA. Oral presentation, “A Comparison of Daily Temperature Averaging Methodologies: Spatial Variability, Seasonal Patterns, and Related Climate Variables in the CONUS.”

Conference Presentations prior to appointment at Hofstra

Annual Meeting of the AAG

March 29 - April 2, San Francisco, CA. Oral presentation, “A Comparison of Daily Temperature Averaging Methodologies: Uncertainties, Related Spatial Variability, and Societal Implications.”

AMS Annual Meeting

January 10-14, New Orleans, LA. Poster, “A Comparison of Daily Temperature Averaging Methodologies: Uncertainties, Related Spatial Variability, and Societal Implications” at the 23rd Conference on Probability and Statistics in the Atmospheric Sciences.

- 2015 **AAG, Middle States Division Annual Meeting,**

October 2-3, Binghamton, NY. Oral presentation, “A Comparison of Two Daily Temperature Averaging Methodologies: Uncertainties and Spatial Variability.”

International Conference of Historical Geographers

July 5-9, London, UK. Oral presentation, "Determining Regional Weather and Climate Patterns and Anomalies from a Historical Diary."

Annual Meeting of the AAG

April 21-25, Chicago, IL. Oral presentation, "Using Hourly Data for Daily Temperature Averaging."

AMS Annual Meeting

January 4-8, Phoenix, AZ. Oral presentation, "Determining Regional Weather and Climate Patterns and Anomalies from a Historical Diary" at the 13th History Symposium.

2014 **AAG, Middle States Division Annual Meeting,**

October 24-25, York, PA. Oral presentation, "Determining Regional Weather and Climate Patterns from a Historical Diary."

Annual Meeting of the AAG

April 8-12, Tampa, FL. Oral presentation, "Determining Regional Weather and Climate Patterns and Anomalies from a Historical Diary."

AMS Annual Meeting

February 2-6, Atlanta, GA. Poster presentation, "Surface temperature impacts of jet contrail outbreaks and their forecasting applications for two sub-regions of the Continental United States" at the Fourth Aviation, Range and Aerospace Meteorology Special Symposium.

2013 **AAG, Middle States Division Annual Meeting**

October 18-19, Buffalo, NY. Oral presentation, "Jet Contrails and Society- Not Just a 'Cloudy' Outlook."

Annual Meeting of the AAG

April 9-13, Los Angeles, CA. Oral presentation, "A synoptic climatology of contrail outbreak events and associated surface temperature effects for the Southern United States."

AMS Annual Meeting

January 6-10, 2013, Austin, TX. Oral presentation, "A synoptic climatology of contrail outbreak events and associated surface temperature effects for the Southern United States" at the 16th Conference on Aviation, Range, and Aerospace Meteorology.

2012 **AAG, Middle States Division Annual Meeting**

November 2-3, Shippensburg, PA. Oral presentation, “Determining Weather and Climate Patterns from a Historical Diary.”

Annual Meeting of the AAG

February 24-28, New York, NY. Poster presentation, “An investigation of Coast Winter Storm Speed and impacts during the past 55 years.”

AMS Annual Meeting

Poster presentation, “An investigation of East Coast Winter Storm Speed and impacts during the past 55 years” at the 24th Annual Conference on Climate Variability and Change.

2011 **AMS Annual Meeting**

January 22-27, Seattle, WA. Oral presentation, “An investigation of slow-moving East Coast Winter Storms during the past 55 years.”

2010 **AMS Annual Meeting**

January 16-21, Atlanta, GA. Poster presentation, “A Method for determining the historical climatology of East Coast Winter Storms” at the 9th Annual AMS Student Conference.

TEACHING EXPERIENCE

Hofstra University

Department of Geology, Environment and Sustainability

***New course developed**

***SBLY 2104E: Introduction to Weather and Climate (Graduate-level)**

Spring 2018

***GEOL 2015: Global Climate Change (Graduate-level)**

Spring 2018

GEOL 151: Independent Special Projects

Spring 2018

SBLY 100: Honors Essay

Spring 2018

***SBLY 104E: Introduction to Weather and Climate**

Spring 2018, Spring 2017

GEOL 015: Global Climate Change

Spring 2018, Summer 2018

SBLY 110: Sustainability Studio

Spring 2018

SBLY 105: Seminar on Sustainability

Fall 2017

***GEOL 014F: Communicating Weather and Climate (First-Year Seminar)**

Fall 2017

***HUHC 020I: 'Hot Topics in Environmental Science' (Honors College Seminar)**

Fall 2017

SBLY 180: Sustainability Internship

Fall 2017

SBLY 251: Graduate Independent Study in Sustainability

Fall 2017

SBLY 002: Sustainability Planning and Policy

Fall 2017, Spring 2017, Fall 2016 (part of *First Year Connections* cluster)

GEOL 001: Planet Earth (Lab)

Spring 2017

SBLY 151: Readings in Sustainability Studies

Spring 2017

Penn State

Department of Geography

Instructor, GEOG 10: Physical Geography: An Introduction

Summer 2013, 2016

Instructor, GEOG 310W: Introduction to Global Climatic Systems

Spring 2015

Instructor, GEOSC 496: Independent Studies

Spring 2015

Instructor, GEOG 110: Climates of the World

Fall 2014

Graduate Teaching Assistant, GEOG 160: Mapping our Changing World

Fall 2015, Spring 2016

Graduate Teaching Assistant, GEOG 110: Climates of the World

Fall 2011-14

Graduate Teaching Assistant, GEOG 10: Physical Geography: An Introduction
Spring 2013, 2014

Graduate Teaching Assistant, GEOG 363: Geographic Information Systems
Fall 2012

Cornell University
Department of Earth and Atmospheric Science

Undergraduate Teaching Assistant, EAS 1340: Weather Analysis & Forecasting
Spring 2011

Undergraduate Teaching Assistant, EAS 1330: Basic Meteorology Lab
Fall 2010

Undergraduate Teaching Assistant, EAS 4940: Public Weather Forecasting
Fall 2010, Spring 2011

STUDENT MENTORING, *Hofstra University*

Graduate Committee Member

Lewei (Tony) He, M.A., Sustainability, Spring 2018 (Expected)

Undergraduate Internship Supervision

Oversee undergraduate internships completed as part of the sustainability major.

Jacob Roday, Summer 2017 – Fall 2017: Internship at Friends of Hempstead Plains

Undergraduate Research Supervision

Guided undergraduate research projects relating to climatology and sustainability; majors in the Department of Geology, Environment and Sustainability unless otherwise noted.

Angela Rienzo, Carys Swan (Geography), James Eager, Kaitlyn Shire, John Van Fossen, Sally Roscoe, Spring 2018- Present: Communicating Hurricane Risk with Virtual Reality Technology

Angela Rienzo, Fall 2017: Communicating Hurricane Risk with Virtual Reality Technology
(Supported by Hofstra University Honors College Research Assistantship)

Emma Vaccaro (STEM Education), Spring 2017- Present: Teaching Sustainability in Elementary Education

Ivan Bermejo, Spring 2017- Fall 2017: Communicating Hurricane Risk with Virtual Reality Technology

James Eager and Sara Hicks, Fall 2016 - Spring 2017: Analyzing 19th Century Weather Patterns from Historical Diaries

Undergraduate Research Presentations

Conference and panel presentations given by undergraduate students resulting from supervised research projects and internships described above.

2018 Annual meeting of the AAG. *Angela Rienzo, Ivan Bermejo, Jase Bernhardt.* Interactive short paper presentation, “Communicating Hurricane Risk With Virtual Reality: A Student Perspective.”

2018 Annual meeting of the AAG. *Emma Vaccaro.* Poster presentation, “Sustainability Knowledge in Early Childhood and Childhood Education.”

2018 Annual meeting of the AAG. *James Eager.* Poster presentation, “Spatial Reproductions of Inequality in New Haven, CT.”

43rd Annual Northeast Storm Conference, March 2018. *Angela Rienzo, Carys Swan.* Poster presentation, “Communicating Hurricane Risk with Virtual Reality: A Student Perspective.”

Hofstra Undergraduate Research Day, December 2017. *Angela Rienzo, Ivan Bermejo,* “Communicating Hurricane Risk with Virtual Reality: A Student Perspective.”

North Shore Land Alliance Internship Forum, August 2017. *Jacob Roday.* Oral presentation, “Internship at Friends of Hempstead Plains.”

Hofstra Undergraduate Research Day, May 2017. *James Eager, Sara Hicks,* “Analyzing 19th Century Weather Patterns from Historical Diaries.”

2017 Annual Meeting of the AAG. *James Eager, Sara Hicks, Jase Bernhardt.* Poster presentation, “Analyzing 19th Century Weather Patterns from Historical Diaries.”

Undergraduate Peer Teacher Supervision

Managed undergraduate students as part of the Hofstra Peer Teacher program, which allows outstanding students to enhance course engagement and participation.

Carys Swan, Fall 2017, GEOL 014F: Communicating Weather and Climate

Jacob Roday, Spring 2017, SBLY 002: Sustainability Planning and Policy

Individually Negotiated Honors Option Supervision

James Eager, Spring 2018, SBLY 110: Sustainability Studio

STUDENT MENTORING, *Penn State*

Undergraduate Research Supervision, Penn State

Guided undergraduate research projects relating to climatology.

Chris LaMagna, Spring 2015: A Comparison of Daily Temperature Averaging Methods: Spatial Variability and Recent Change for the CONUS (Co-author on paper in revisions)
Nichole McClain, Spring 2014: Jet Contrail Outbreaks and Precipitation Impacts

SERVICE TO PROFESSION

Service since appointment at Hofstra, Fall 2016

Professional Organization Leadership

2018 Secretary, **Middle States Division of the American Association of Geographers**

Peer Review

2017 *Journal of Climate*

Conference Organization

2017 **Annual Meeting of the Middle States Division of the AAG**

Moderator, World Geography Bowl

Annual Meeting of the AAG

Panelist, “The Academic Job Market for Geographers: Strategies for Improving Employment Preparation”

Field Trip Organizer, Fenway Park Tour

Moderator, World Geography Bowl

2016 **Annual Meeting of the Middle States Division of the AAG**

Session chair, “Weather and Climate”

Service prior to appointment at Hofstra

2016 **Annual Meeting of the AAG**

Session organizer, “Interdisciplinarity in Graduate Training in New Institutional Landscapes”

2015 **Annual Meeting of the AAG**

Session chair and organizer, Changing Climatic and Physical Landscapes

HOFSTRA UNIVERSITY SERVICE

Long Island Hurricanes Symposium, Conference Organizer

Chairing one-day symposium scheduled for October 3, 2018. The symposium keynote speaker will also serve as the Astman Distinguished Symposium scholar.

Committee on Environmental Safety, Member

Member of the Hofstra University Senate, a governing body composed of university faculty, administrators, staff, and students (Fall 2017 – Present).

Sustainability Studies Club, Faculty Advisor

Faculty advisor for the student club which supports students in sustainability and provides opportunities for interested students to increase awareness of environmental issues and participate in related research. Organize and lead field trips to local sites and events of interest such as the local National Weather Service forecast office, water pollution control district, and Hurricane Hunters Awareness tour (Fall 2016 - Present).

ProjectWx, Manager

Installed and maintained the network of three on-campus WeatherSTEM stations which provide weather and climate data for research, teaching, and communication purposes (Fall 2016 - Present).

Center for Civic Engagement, Advisory Board Member

Member of the faculty advisory board which guides the Center's on- and off- campus events and programming, meant to foster student participation in community engagement and service learning (Fall 2016 – Spring 2017).

New Student Orientation, Model Course Leader

Lead one-hour discussion sections on common reading project during new student orientation (Summer 2017 - Present).

Admissions Fairs, Representative

Represent the Department of Geology, Environment and Sustainability at open houses for prospective and admitted students (Spring 2017 - Present).

February 25, 2018: Admitted Students Day (Honors College panel)

February 25, 2018: Admitted Students Day (department table)

November 19, 2017: Graduate Open House (department table)

February 26, 2017: Admitted Students Day (department table)

COMMUNITY OUTREACH

2018 **Hofstra University Saturday Classes for Young People**

Instruct course for local high school students, "Meteorology: The Science Behind Your App," Scheduled for May 12, 2018.

Waverly Park Elementary School

Invited to participate in 'Scientist Mentoring Night' scheduled for March 5, 2018.

Long Island Science and Engineering Fair

Served as a judge at science fair competition for students representing area high schools, February 6, 2018.

American Meteorological Society WeatherFest

Ran the Hofstra virtual reality hurricane simulation table at the community weather awareness festival for residents of the Austin, Texas area on January 7, 2018.

2017 WABC AccuWeather Townhall

Served as panelist alongside WABC broadcast meteorologists for community forum held at Hofstra University on October 30, 2017.

West Babylon School District

Collaborative effort with Andrea Durbin, AP Science teacher, to integrate study of surface weather observation and human comfort into high school science curriculum

Long Island Children's Museum

Advisor for the creation of new exhibit, "Saltwater Stories: The History and Culture of Long Island Maritime Traditions."

Hofstra University Saturday Classes for Young People

Instruct course for local high school students, "Meteorology: The Science Behind Your App," November 4, 2017.

Waverly Park Elementary School

Guest lecture on weather and climate for fifth grade students as part of elementary school's "Ecology Week," May 10, 2017.

Freeport High Science and Engineering Fair

Served as a judge at local high school science fair, April 28, 2017.

Long Island Science and Engineering Fair

Served as a judge at science fair competition for students representing area high schools, February 8, 2017.

PROFESSIONAL DEVELOPMENT

2017 Early Career Geoscience Faculty Workshop

Participated in workshop organized by the National Association of Geoscience Teachers, July 9-14, which provided guidance for early career tenure-track faculty members on improving teaching, research, service, and funding outcomes.

PROFESSIONAL MEMBERSHIPS

2009 - Present **American Meteorological Society**

2011 - Present **American Association of Geographers**

MEDIA COVERAGE

"Nor'easter dumps over 6 inches of snow on bulk of Long Island," *Newsday*. 8 March 2018.
<https://www.newsday.com/news/weather/weather-nor-easter-snow-rain-1.17178753>

“Forecast: Second nor’easter could bring snow to Long Island,” *Newsday*. 6 March 2018. <https://www.newsday.com/news/weather/long-island-weather-forecast-1.17116179>

“Eye of the Virtual Storm,” *Hofstra University*. 5 December 2017. <https://news.hofstra.edu/2017/12/05/eye-of-the-virtual-storm/>

“Hofstra Hosts WABC’s AccuWeather Forum.” *Hofstra University*. 31 October 2017. <https://news.hofstra.edu/2017/10/31/hofstra-hosts-wabcs-accuweather-forum/> and <http://abc7ny.com/weather/eyewitness-news-holds-accuweather-town-hall-at-hofstra/2585965/>

“Expert interview on Nor’easter.” *WRHU Newslines*. 7 March 2018.

“Expert interview on hurricanes and climate change.” *PIX11 News Closeup, WPIX New York*. 17 September 2017. <http://pix11.com/2017/09/17/news-closeup-climate-change-assemblyman-farrell-on-42-years-in-albany/>

“Expert interview on Hurricanes Harvey and Irma and climate change.” *Richard French Live, RNN/FiOS News 1*. 12 September 2017. <https://www.youtube.com/watch?v=SrZpO5JAPW8>

“Expert interview on Hurricanes Harvey and Irma.” *WRHU Newslines*. 5, 6, 7, 12, and 14 September 2017.

“Head in the Clouds: New Weather Stations Build Interest, Curriculum in Meteorology.” *Hofstra Magazine*. 2016-2017 Year in Review Issue. <https://www.hofstra.edu/alumni/hofmagazine/index.html>

“Stony Brook University, School of Marine and Atmospheric Sciences (SoMAS), Topics in Atmospheric and Oceanic Science (TAOS) Seminar.” 30 August 2017. https://www.youtube.com/watch?v=Ml_TJBePQWA

“Faculty Spotlight: Weather stations take Hofstra by storm.” *Hofstra Chronicle*. 6 March 2017. <http://thehofstrachronicle.com/faculty-spotlight-weather-stations-take-hofstra-storm/>

“The Science Behind Snowflakes: HU Office Hours with Jase Bernhardt.” *Hofstra University*. 6 January 2017. <http://news.hofstra.edu/2017/01/06/21896/>

“Do Contrails affect Conditions on the Surface?” *National Environmental Satellite, Data, and Information Service*. 18 July 2016. http://www.nesdis.noaa.gov/news_archives/do_contrails_effect_conditions_on_the_surface.html

“Focus on research: Meteorology students get a flurry of experience.” *Centre Daily Times*. 28 August 2015. <http://www.centredaily.com/living/article42924807.html>

“Contrails Change Temperatures on the Ground Beneath Them.” *KQED Science*. 3 July 2015.
<http://ww2.kqed.org/science/2015/07/03/contrails-change-temperatures-on-the-ground-beneath-them/>

“Jet Contrails Actually Do Alter the Weather.” *Discovery News*. 24 June 2015.
<http://news.discovery.com/earth/weather-extreme-events/jet-contrails-actually-do-alter-the-weather-150624.htm>

“Jet contrails affect surface temperatures.” *Penn State News*. 18 June 2015.
<http://news.psu.edu/story/361041/2015/06/18/research/jet-contrails-affect-surface-temperatures>

“Clouds break - as forecast by students - for Commencement.” *Cornell Chronicle*. 29 May 2011.
<http://www.news.cornell.edu/stories/2011/05/meteorology-students-forecast-clear-skies-commencement>