

Work
Department of Physics
Swain Family School of Science and Mathematics
The Citadel

Home
3614 Conch St.
Mount Pleasant, SC 29466
phone: (252) 414-8602

SCOTT CURTIS
(Walter Robert Scott Curtis III)

FACULTY APPOINTMENT

The Citadel (Adjunct with ECU)

Dr. John Lining Professor of Physics

FA 20 – present

Director of the Lt. Col. James B. Near, Jr., USAF, '77, Center for Climate Studies

FA 20 – present

- RESEARCH: Tropical climate variability with emphasis on precipitation and ENSO; applied climatology, including hazards and tourism; flooding; Atlantic coastal storms; and applications of GIS in climatology.
- TEACHING:

PHYS 244

Weather and Climate Extremes

ICS 7012 (ECU)

Directed Study

East Carolina University (ECU)

Adjunct Professor

SU 20 – SU 24

Professor in the Department of Geography, Planning and Environment

FA 15 – SU 20

Distinguished Professor in the Natural Sciences and Mathematics

2017 – 2020

Associate Professor in the Department of Geography, Planning and Environment

FA 09 – SU 15

Affiliated Faculty of the Center for Sustainability Energy and Environmental Engineering

SP 08 – present

Assistant Director for the Center for Natural Hazards Research

SP 06 – present

Assistant Professor in the Department of Geography, Planning and Environment

FA 03 – SU 09

- TEACHING:

ATMO 2510:

Physical Meteorology

ATMO 3520

Dynamic Meteorology

ATMO 3550

Principles of Synoptic Meteorology

ATMO 3230

Global Climates

ATMO 4540/6540

(Advanced) Coastal Storms

ATMO 4550

Applied Synoptic Meteorology: Forecasting

GEOG 1250:

The Water Planet

GEOG/ATMO 2200/1300:

Weather and Climate

GEOG 2350

Climate Change: Science and Society

+ many independent studies

University of Maryland, Baltimore County (UMBC)

Affiliate Assistant Professor in the Department of Geography and Environmental Systems

SP 02 – SU 03

Associate Member of the UMBC Graduate Faculty

SU 02 – SU 03

Research Assistant Professor in the Joint Center for Earth Systems Technology (JCET)

SP 02 – SU 03

Assistant Research Scientist in JCET

SP 00 – SP 02

Research Associate in JCET

SP 98 – SP 00

- TEACHING:

GEOG 415:

Climate Change

Independent Study:

"El Niño vs. La Niña in Florida"

EDUCATION

University of Wisconsin—Madison **Ph.D.**

FA 94 – SP 98

Thesis: *Circulation Mechanisms of Climatic Variability in the Tropics*; Advisor: Stefan Hastenrath

Major: **Atmospheric & Oceanic Sciences**, Minor: **Computer Science**

University of Wisconsin—Madison **MS**

FA 93 – SU 94

Thesis: *Evolution of Tropical Atlantic Sea Surface Temperature Anomalies*; Advisor: Stefan Hastenrath

Major: **Atmospheric & Oceanic Sciences**

University of Virginia **BA**

FA 89 – SP 93

Major: **Environmental Sciences**,

Minor: **Physics**

CONTINUING EDUCATION

NASA Goddard Space Flight Center

Two-day workshop on ArcGIS

SU 03

University of Maryland, Baltimore County

Passed: **Applications for Geographic Information Systems**

SP 99

AWARDS

Phi Kappa Phi (initiated 2021)

Honored Instructor Award

- Nominated by student in Fall 2019 Weather and Climate class

Thomas Harriot College of Arts and Sciences Advancement Council Distinguished Professor of Natural Sciences and Mathematics

- One awarded by the college to serve a 5-year term (2017-2022)

Center for Sustainability Outstanding Affiliate Faculty Member (2013-14)

- ECU (one awarded per year)

Southeastern Division of the Association of American Geographers (SEDAAG) Research Award (2010)

- Ten-state division (one awarded per year)

ECU Five-Year Achievement for Excellence in Research/Creative Activity Award (2010)

- University-wide award (two awarded per year)

College Research Award (2007)

- Teaching requirements for Spring 2007 waived to complete the project “The El Niño and La Niña climate states and their impacts on extreme precipitation events”

Laboratory for Atmospheres Best Senior Author Publication Award (2002)

- For his outstanding article [*GRL*, 2002] describing interconnections between Indian Ocean precipitation patterns and the initiation of El Niños

Mesoscale Atmospheric Processes Branch Exceptional Scientific Support Award (2001)

- For outstanding analysis of global precipitation variations and characteristics in relation to the El Niño / Southern Oscillation

Wahl Award (1997)

- Most outstanding Teaching Assistant in the Dept. of Atmospheric & Oceanic Sciences, UW-Madison

American Meteorological Society Global Change travel scholarship (1996)

- Travel grant to AMS annual meeting

Schwerdtfeger Award (1994)

- Most outstanding first year graduate student in the Dept. of Atmospheric & Oceanic Sciences, UW-Madison

GRANTS AND FELLOWSHIPS (Internal funding = \$171,000; External funding to home institution = \$1,421,832)

SC Space Grant Mini-REAP, “Detecting King Tide Flooding in Charleston with Satellite Imagery”, lead-PI, **\$8,436: 10/20/20 to 04/14/21**

EPA, “Predicting Drinking Water Contamination from Extreme Weather to Reduce Early Life Contaminant Exposures”, co-PI (Jacob Hochard, Wyoming, lead-PI), **\$45,821: 10/1/2020 to 9/30/2023**

US Coastal Research Program (USCRP), “Estuarine Bluff Shorelines: Inter-Relation Between Erosion Processes and Development Vulnerability”, Co-PI (Hannah Cooper, ECU, lead-PI), **\$249,868: 11/1/2019 to 10/31/2022**

NOAA Coastal and Ocean Climate Applications (COCA) and Sectoral Applications Research Program (SARP) joint competition, “Preparing for, Responding to, and Mitigating Compound Water Hazards for Resilient Rural Communities”, lead-PI, **\$299,563: 9/1/2019 to 8/31/2021**

ECU; UNC General Administration Undergraduate Research Faculty Development Award, “The Coastal Storm Conundrum: Applied Research Experiences with Geographic Information Science”, **\$1,000: June 2018**

NSF Geography and Spatial Sciences, “Coastal Erosion Vulnerabilities, Monsoon Dynamics, and Human Adaptive Response”, Co-PI (Tom Crawford, Virginia Tech, lead-PI), **\$65,589: 7/1/2017 to 2/28/2021**

ECU Thomas Harriot College of Arts and Sciences Advancement Council Distinguished Professor of Natural Sciences and Mathematics **\$135,000 (\$27,000 per year): 7/1/2017 to 6/30/2022**

ECU Faculty Reassignment Program, “Current and Future Food-Energy-Water Nexus Challenges in the Caribbean”, Reassigned duties to cover one course, **\$5,000: Fall 2016**

ECU Center for Sustainability Summer Salary Grant, “Enhancing Sustainability in the Caribbean: The Water-Energy-Food Nexus in an Era of Climate Change”, Co-PI (with Jeff Popke, ECU), **\$8,000: June 2015**

ECU Interdisciplinary Research Grant, “Impact of Climate Change and Sea-Level Rise on Groundwater Inundation in Coastal Regions”, Co-I (Alex Manda, ECU, lead-PI)

NSF Geography and Spatial Sciences, “Collaborative Research: Vulnerability and Resilience Among Small Farmers: An Assessment of Climate Change, Economic Stress, and the Role of Water Management”, Co-PI (with Jeff Popke, ECU), **\$180,555: 1/1/2012 to 8/31/2016**

Asia Pacific Network (APN), “Scoping Workshop to Develop Proposal: Human Responses to Catastrophic Monsoon Events in South Asia:

Designing a Spatially Explicit Model in Low-Lying Coastal Areas”, Co-PI (Tom Crawford, ECU, lead-PI), **\$15,000 6/21/2012 to 9/20/2013**

NSF Catalyzing New International Collaborations, “Initiating a New Collaboration between East Carolina University and Universiti Malaysia Terengganu: Post-Glacial Variations in the East Asian Monsoon”, Co-PI, **\$50,000: 1/1/2012 to 12/31/2015** (Steve Culver, ECU, lead-PI)

NASA Energy and Water Cycle Sponsored Research (NEWS), “Global Precipitation Variations and Extremes”, Co-PI (Robert Adler, NASA, lead-PI), **\$75,000: 4/30/2009 to 3/28/2014**

NASA Earth and Space Science Fellowship (NESSF), on behalf of Sol Wuensch, **\$9,000: 9/1/2008 to 8/31/2009 (declined because Wuensch graduated early)**

ECU Research Development Award Grant, “Mesoscale Convective Systems in the Coastal Environment of Malaysia: A Collaborative Initiative Between ECU and KUSTEM”, **\$22,000: 7/1/2007 to 6/30/2008**

ECU Research/Creative Activity Grant, “Explaining the Caribbean Mid-summer Drought”, **\$12,000: 7/1/2007 to 6/30/2008 (forced to decline in order to accept 2007 ECU Research Development Award Grant)**

NSF Geography and Regional Science and Climate and Large Scale Dynamics, “Collaborative Research and RUI: Physical Mechanisms Behind the Caribbean Mid-summer Drought”, lead-PI (with Doug Gamble, UNCW), **\$112,000: 8/15/2007 to 1/31/2011**

NASA Energy and Water Cycle Sponsored Research (NEWS), “Global Precipitation Analysis for Climate and Weather Studies”, Co-PI (Robert Adler, NASA, lead-PI), **\$55,000: 2/1/2006 to 1/31/2009**

NASA Faculty Fellowship Program: **5/16/2004 to 6/26/2004**

NASA Research Opportunities for Precipitation Measurement Missions, “Intraseasonal Variations in Precipitation from the Indian to Western Pacific Oceans as a Forcing Mechanism for El Niño/Southern Oscillation” (PMM-0024-0081), lead-PI, **\$265,000: 12/15/2003 to 12/14/2007**

REFEREED JOURNAL PUBLICATIONS (67)

1. Khatiwada, M., and S. Curtis, 2021: A catchment scale seasonal precipitation trend analysis in the Ganges-Brahmaputra-Meghna river basin. *Atmosphere*, under review.
2. **Curtis, S.**, K. DePolt, J. Kruse, A. Mukherji, J. Helgeson, A. Ghosh, and P. Van Wagoner, 2021: Spatially compounded surge events: An example from hurricanes Matthew and Florence. *Natural Hazards and Earth System Science*, 21, 1759-1767.
3. Crawford, T., M. Rahman, G. Miah, G., M. R. Islam, B. Paul, B., **S. Curtis**, and S. Islam, 2021: A 30-year decadal scale analysis of spatio-temporal shoreline dynamics for the eastern bank of the lower Meghna estuary, Bangladesh, 1988-2018. *Annals of the American Association of Geographers*, 111, 1002-1024.
4. Paul, B.K., M.K. Rahman, T. Crawford, **S. Curtis**, Md.G. Miah, M.R. Islam, and Md.S. Islam, 2020: Explaining mobility using community capital framework and place attachment concept: A case study of riverbank erosion in the lower Meghna estuary, Bangladesh. *Applied Geography*, 125, 102199, doi:10.1016/j.apgeog.2020.102199.
5. Crawford, T., M.S. Islam, M.K. Rahman, B.K. Paul, S. Curtis, Md. G. Miah, and M.R. Islam, 2020: Coastal erosion and human perceptions of revetment protection in the lower Meghna estuary of Bangladesh. *Remote Sensing*, 12, 3108, doi:10.3390/rs12183108.
6. **Curtis, S.**, R. Etheridge, P. Malali, A. Peralta, and F. Filho, 2020: Planning for future solar farm development in North Carolina: A geographic food-energy-water approach. *Southeastern Geographer*, 60(1), 47-63.
7. **Curtis, S.**, 2019: Means and long-term trends of global coastal zone precipitation. *Scientific Reports*, 9, 5401, doi:10.1038/s41598-019-41878-8
8. Phan, M.D., B.E. Montz, **S. Curtis**, and T.M. Rickenbach, 2018: Weather on the go: An assessment of smartphone mobile weather applications. *Bulletin of the American Meteorological Society*, 99, 2245-2257.
9. **Curtis, S.**, T. Crawford, M. Rahman, B. Paul, G. Miah, M. R. Islam, and M. Patel, 2018: A hydroclimatological analysis of precipitation in the Ganges-Brahmaputra-Meghna river basin. *Water*, 10, 1359, doi:10.3390/w10101359.
10. Munroe, R., B.E. Montz, and **S. Curtis**, 2018: Getting more out of storm surge forecasts: Emergency support personnel needs in North Carolina. *Weather, Climate, and Society*, 10, 813-820.
11. Gamble, D.W., D. Burrell, J. Popke, and **S. Curtis**, 2017: Contextual analysis of dynamic drought perception among small farmers in Jamaica. *Climate Research*, 74, 109-120.
12. **Curtis, S.**, 2017: The Madden-Julian Oscillation: A tool for regional seasonal precipitation outlooks? *Atmosphere*, 8, 180, doi:10.3390/atmos8090180.
13. Munroe, R., and **S. Curtis**, 2017: Storm surge evolution and its relationship to climate oscillations at Duck, NC. *Theoretical and Applied Climatology*, 129, 185-200.
14. Leorri, E.S., A.L. Woodson, S. Culver, D. Mallinson, P. Parham, R. Thunell, V.R. Vijayand, and **S. Curtis**, 2017: Sea-surface temperatures for the last 7200 years from the eastern Sunda Shelf, South China Sea: climatic inferences from planktonic foraminiferal Mg/Ca ratios. *Quaternary Science Reviews*, 165, 13-24.
15. Douglass, D.H., R.S. Knox, **S. Curtis**, B.S. Giese, and S. Ray, 2017: Historical phase-locked El Niño episodes. *Atmospheric and Climate Sciences*, 7, 48-64.
16. **Curtis, S.**, and D. Gamble, 2016: The boreal winter Madden Julian Oscillation's influence on summertime precipitation in the greater

- Caribbean. *Journal of Geophysical Research–Atmospheres*, 121, 7592-7605, doi:10.1002/2016JD025031.
17. Popke, J., **S. Curtis**, and D.W. Gamble, 2016: A social framing of climate change discourse and policy: adaptation, resilience, and vulnerability in a Jamaican agricultural landscape. *Geoforum*, 73, 70-80.
 18. **Curtis, S.**, and D. Douglass, 2016: Phase-locked tropical Pacific precipitation. *Atmospheric Science Letters*, 17, 169-176.
 19. Moulton, A.A., J. Popke, **S. Curtis**, D. Gamble, and S. Poore, 2015: Water management strategies and climate adaptation: Lessons learned from the 2014 drought in Jamaica. *Caribbean Geography*, 20, 60-73.
 20. Ayscue, E.P., **S. Curtis**, H. Hao, and B. Montz, 2015: Forecast and weather-related information used among coastal tourism businesses. *Tourism Geographies*, 17(4), 603-626.
 21. **Curtis, S.**, D. W. Gamble, and J. Popke, 2014: Sensitivity of crop water need to 2071-2095 projected temperature and precipitation changes in Jamaica. *Earth Interactions*, 18(12), 1-17.
 22. Munroe, R., T. Crawford, and **S. Curtis**, 2014: Geospatial analysis of space-time patterning of ENSO forced daily precipitation distributions in the Gulf of Mexico. *The Professional Geographer*, 66(1), 91-101.
 23. **Curtis, S.**, 2013a: In the eye of the storm: A participatory course on coastal storms. *Journal of Geography*, 112(4), 133-142.
 24. **Curtis, S.**, 2013b: Daily precipitation distributions over the Intra-Americas Sea and their interannual variability. *Atmosfera*, 26(2), 243-259.
 25. Hao, H., P. Long, and **S. Curtis**, 2012: Attitudes of property owners to climate change considerations and their effects on future property values in coastal communities. *Journal of Risk Analysis and Crisis Response*, 2(4), 285-291.
 26. Nieto-Ferreira, R., A. Herdman, **S. Curtis**, R. Chia, E. Poe, R. Thompson, and B. Wang, 2012: A multinational course on global climate change. *Bulletin of the American Meteorological Society*, 93(10), 1539-1546.
 27. **Curtis, S.**, 2012: ENSO induced monthly oscillations of precipitation: The unique case of the South Tropical Indian Ocean in austral summer. *Climate Dynamics*, 38, 2209-2225.
 28. Salahuddin, A., and **S. Curtis**, 2011: Climate extremes in Malaysia and the Equatorial South China Sea. *Global and Planetary Change*, 78, 83-91.
 29. **Curtis, S.**, P. T. Long, and J. Arrigo, 2011: Climate, Weather, and Tourism: Issues and Opportunities. *Bulletin of the American Meteorological Society*, 92, 361-363.
 30. **Curtis, S.**, 2010: Editorial: Hydroclimatology. *International Journal of Climatology*, 30, 2129. (non-refereed)
 31. Gamble, D.W., D. Campbell, T.L. Allen, D. Barker, **S. Curtis**, D.F.M. McGregor, and E.J. Popke, 2010: Climate change, drought, and Jamaican agriculture: Local knowledge and the climate record. *Annals of the Association of American Geographers*, 100, 880-893.
 32. Allen, T.L., **S. Curtis**, and D.W. Gamble, 2010: The Mid-summer Dry Spell's impact on vegetation in Jamaica. *Journal of Applied Meteorology and Climatology*, 49, 1590-1595.
 33. Wuensch, S., and **S. Curtis**, 2010: Can satellites be used to detect extreme precipitation events?: An example from the Carolinas. *Southeastern Geographer*, 50, 244-257.
 34. Salahuddin, A., and **S. Curtis**, 2009: Evolution of Mesoscale Convective Systems and Its relationship with the Madden-Julian Oscillation in the Indo-Pacific Region. *The Open Atmospheric Science Journal*, 3, 141-154.
 35. Adler, R.F., G. Gu, J.-J. Wang, G. J. Huffman, **S. Curtis**, and D. Bolvin, 2008: Relationships between global precipitation and surface temperature on inter-annual and longer time scales (1979-2006). *JGR-Atmospheres*, 113, D22104, doi:10.1029/2008JD010536.
 36. Gamble, D.W., and **S. Curtis**, 2008: Caribbean precipitation: review, model, and prospect. *Progress in Physical Geography*, 32, 265-276.
 37. **Curtis, S.**, and D. W. Gamble, 2008: Regional variations of the Caribbean Mid-Summer Drought. *Theoretical and Applied Climatology*, 94, 25-34.
 38. **Curtis, S.**, 2008b: The El Niño/Southern Oscillation and global precipitation. *Geography Compass* (INVITED) 2, 600-619.
 39. Gamble, D. W., D. B. Parnell, and **S. Curtis**, 2008: Spatial variability of the Caribbean mid-summer drought and relation to the north Atlantic high circulation. *Int. J. Climatol.*, 28, 343-350.
 40. **Curtis, S.**, 2008a: The Atlantic multidecadal oscillation and extreme daily precipitation over the US and Mexico during the hurricane season. *Climate Dynamics*, 30, 343-351.
 41. **Curtis, S.**, T. W. Crawford, and S. A. Lecce, 2007: A comparison of TRMM to other basin-scale estimates of rainfall during the 1999 Hurricane Floyd flood. *Natural Hazards* (INVITED), 43, 187-198.
 42. **Curtis, S.**, A. Salahuddin, R. F. Adler, G. J. Huffman, G. Gu, and Y. Hong, 2007: Precipitation extremes estimated by GPCP and TRMM: ENSO relationships. *J. Hydrometeor.* (GEWEX Special Issue), 8, 678-689.
 43. Hong, Y., R. F. Adler, F. Hossain, **S. Curtis**, and G. J. Huffman, 2007: A first approach to global runoff simulation using satellite rainfall estimation. *Water Resources Research*, 43, W08502, doi:10.1029/2006WR005739.
 44. Gu, G., R. F. Adler, G. J. Huffman, and **S. Curtis**, 2007: Tropical rainfall variability on interannual-to-interdecadal/longer time scales derived from the GPCP monthly product. *J. Climate*, 20, 4033-4046.
 45. **Curtis, S.**, R.F. Adler, G. J. Huffman, G. Gu, D.T. Bolvin, and E.J. Nelkin, 2006: Comments on 'El Niño: Catastrophe or Opportunity', *J. Climate*, 19, 6439-6442.
 46. **Curtis, S.**, 2006: Developing a Climatology of the South's 'Other' Storm Season: ENSO Impacts on Winter Extratropical Cyclogenesis. *Southeastern Geographer*, 46, 231-244.
 47. Salahuddin, A., R.H. Isaac, **S. Curtis**, and J. Matsumoto, 2006: Teleconnections between the Sea Surface Temperature in the Bay of Bengal and Monsoon Rainfall in Bangladesh. *Global and Planetary Change*, 53, 188-197.
 48. **Curtis, S.**, and A. Salahuddin, 2006: Interannual Changes of 20-50 and 50-70 Day Climate Variability in the Indo-Pacific Sector in Austral Summer. *Journal of the Meteorological Society of Japan*, 84, 567-579.
 49. Wuensch, S., J. Ast, and **S. Curtis**, 2004: The 2004 hurricane season: Impacts in North Carolina. *North Carolina Geographer* (INVITED), 12, 34-40.
 50. **Curtis, S.**, R. F. Adler, G. J. Huffman, G. Gu, 2004: Westerly wind events and precipitation in the eastern Indian Ocean as predictors for El Niño: Climatology and case study for the 2002-03 El Niño. *JGR-Atmospheres*, 109, D20104, doi:10.1029/2004JD004663.

51. **Curtis, S.**, 2004: Diurnal cycle of rainfall and surface winds and the mid-summer drought of Mexico/Central America. *Climate Research*, 27, 1-8.
52. Gu, Guojun, R. F. Adler, G. J. Huffman, and S. **Curtis**, 2004: African easterly waves and their association with precipitation. *JGR–Atmospheres*, 109, D04101, doi:10.1029/2003JD003967.
53. Adler, R. F., G. J. Huffman, A. Chang, R. Ferraro, P. Xie, J. Janowiak, B. Rudolf, U. Schneider, S. **Curtis**, D. Bolvin, A. Gruber, J. Susskind, and P. Arkin, 2003: The version-2 Global Precipitation Climatology Project (GPCP) monthly precipitation analysis (1979-present). *J. Hydrometeorol.*, 4, 1147-1167.
54. Gu, Guojun, R. F. Adler, G. J. Huffman, and S. **Curtis**, 2003: Summer synoptic-scale waves over tropical West Africa observed by TRMM. *Geophys. Res. Letters*, 30(14), 1729, doi:10.1029/2003GL017402.
55. Xie, P., J. E. Janowiak, P. A. Arkin, R. Adler, A. Gruber, R. Ferraro, G. J. Huffman, and S. **Curtis**, 2003: GPCP pentad precipitation analyses: an experimental data set based on gauge observations and satellite estimates. *J. Climate*, 16, 2197-2214.
56. **Curtis, S.**, and R. F. Adler, 2003: The evolution of El Niño-precipitation relationships from satellites and gauges. *JGR–Atmospheres*, 108(D4), 4153, doi:10.1029/2002JD002690.
57. Adler, R. F., C. Kummerow, D. Bolvin, S. **Curtis**, and C. Kidd, 2003: Status of TRMM monthly estimates of tropical precipitation. *Meteorological Monographs*, 29, 223-234.
58. **Curtis, S.**, 2002: Interannual variability of the bimodal distribution of summertime rainfall over Central America and tropical storm activity in the far-eastern Pacific. *Climate Research*, 22(2), 141-146.
59. **Curtis, S.**, G. J. Huffman, and R. F. Adler, 2002: Precipitation anomalies in the tropical Indian Ocean and their relation to the initiation of El Niño. *Geophys. Res. Letters*, 29(10), 1441, doi:10.1029/2001GL013399.
60. **Curtis, S.**, R. Adler, G. Huffman, E. Nelkin, and D. Bolvin, 2001: Evolution of tropical and extratropical precipitation anomalies during the 1997-1999 ENSO cycle. *Int. J. Climatol.*, 21, 961-971.
61. Huffman, G. J., R. F. Adler, M. Morrissey, D. T. Bolvin, S. **Curtis**, R. Joyce, B. McGavock, and J. Susskind, 2001: Global precipitation at one-degree daily resolution from multi-satellite observations. *J. Hydrometeorol.*, 2, 36-50.
62. Adler, R. F., G. J. Huffman, D. T. Bolvin, S. **Curtis**, and E. J. Nelkin, 2000: Tropical rainfall distributions determined using TRMM combined with other satellite and raingauge information. *J. Appl. Meteor. (TRMM Special Issue)*, 39, 2007-2023.
63. **Curtis, S.**, and R. Adler, 2000: ENSO indices based on patterns of satellite-derived precipitation. *J. Climate*, 13, 2786-2793.
64. **Curtis, S.**, and S. Hastenrath, 1999b: Trends of upper-air circulation and water vapor over equatorial South America and adjacent oceans. *Int. J. Climatol.*, 19, 863-876.
65. **Curtis, S.**, and S. Hastenrath, 1999a: Long-term trends and forcing mechanisms of circulation and climate in the equatorial Pacific. *J. Climate*, 12, 1134-1144.
66. **Curtis, S.**, and S. Hastenrath, 1997: Interannual variability of circulation and climate in the tropical Pacific and Australasia related to the Southern Oscillation. *J. Meteor. Soc. Japan*, 75, 4, 819-829.
67. **Curtis, S.**, and S. Hastenrath, 1995: Forcing of anomalous sea surface temperature evolution in the tropical Atlantic during Pacific warm events. *JGR–Oceans*, 100, C8, 15835-15847.

BOOK CHAPTERS, ENCYCLOPEDIA ENTRIES, AND NON-REFEREED REPORTS AND PAPERS (22)

1. Rahman, M.K., T.W. Crawford, B.K. Paul, M.S. Islam, S. **Curtis**, M. G. Miah, and M.R. Islam: Riverbank erosions, coping strategies, and resilience thinking of the lower-Meghna river basin community, Bangladesh. In: Alam, G.M.M., M.O. Erdiaw-Kwasie, G.J. Nagy, and W. Leal Filho (eds) *Climate Vulnerability and Resilience in the Global South*. Climate Change Management. Springer, Cham. https://doi.org/10.1007/978-3-030-77259-8_13.
2. **Curtis, S.**, 2021: (book review) *Dangerous Earth: What We Wish We Knew about Volcanoes, Hurricanes, Climate Change, Earthquakes, and More* by Ellen Prager. Chicago (Illinois): The University of Chicago Press. \$25.00. 230 p.; index ISBN: 978-0-226-54169-3. 2020., *Quarterly Review of Biology*, (in press).
3. Paul, B.K., M.K. Rahman, T. Crawford, S. **Curtis**, M.G. Miah, R. Islam, and M.S. Islam, 2021: Coping strategies of people displaced by riverbank erosion in the lower Meghna estuary. In: Zaman, M., and M. Alam (eds.) *Living on the Edge*. Springer Geography. Springer, Cham. https://doi.org/10.1007/978-3-030-73592-0_13.
4. **Curtis, S.**, 2020: Storm Surges, in B.K. Paul (Ed.), *Natural Hazards and Disasters: From Avalanches and Climate Change to Water Spouts and Wildfires*, Santa Barbara, CA, ABC-CLIO, 181-189.
5. **Curtis, S.**, 2020: Hydroclimatic variability at local, regional, and global scales. *Water*, 12, 1490, doi:10.3390/w12051490.
6. **Curtis, S.**, J. Popke, and A. Moulton, 2017: Climate change, agriculture, and tourism: Observations from Jamaica, in M. Honey and S. Hogenson (Eds.), *Coastal Tourism, Sustainability, and Climate Change in the Caribbean, Volume 2: Supporting Activities*, New York, NY, Business Expert Press, 74-81.
7. Hao, H., P. Long, and S. **Curtis**, 2017: Climate and weather impacts on tourism and vacation homes in coastal North Carolina, in M. Honey and S. Hogenson (Eds.), *Coastal Tourism, Sustainability, and Climate Change in the Caribbean, Volume 1: Beaches and Hotels*, New York, NY, Business Expert Press, 22-29.
8. **Curtis, S.**, 2017: Precipitation, *The International Encyclopedia of Geography*, 1-6.
9. Poore, S., A. Moulton A., D.W. Gamble, S. **Curtis**, and J. Popke, 2016: 'The 2014 Jamaican Drought: Climate change or interannual climate variability?', in Barker, D., D. McGregor, K. Rhiney, and T. Edwards (Eds.), *Global Change and the Caribbean: Adaptation and Resilience*, Mona, Jamaica: The University of the West Indies Press, 41-51.
10. Karnauskas, K.B., and S. **Curtis**, 2016: The Intra-American mid-summer drought: Variability and open questions. *US CLIVAR Variations*, 14, 15-21.
11. Crawford, T., A. Salahuddin, S. **Curtis**, A. Ahmed, T. Allen, D. Bradley, G. Miah, A. Mishra, A. Mukherji, and K. Premalal, 2013: Scoping workshop: Human responses to catastrophic monsoon events in South Asia: Designing a spatially explicit model in low-lying coastal areas. In *APN Science Bulletin*, Stevenson, L.A., M.L. Shrestha, and A. Sterin (Eds), Asia-Pacific Network for Global Change Research, 3, 125-127.
12. **Curtis, S.**, 2010: "La Niña", pp 1754-1757 in *Encyclopedia of Geography, Volume 4*, Barney Warf, Ed. SAGE Publications.

13. Covington, R., J. Arrigo, S. Curtis, P. Long, and D.H. Alderman, 2009-2010: Tourists' climate perceptions: A survey of preferences and sensitivities in North Carolina's Outer Banks. *The North Carolina Geographer*, 17, 38-53.
14. **Curtis, S., J. Arrigo, P. Long, and R. Covington, 2009: *Climate, Weather, and Tourism: Bridging Science and Practice*, East Carolina University Press, 14 pp.**
15. **Curtis, S., 2008: Report of the Honors Committee, 2007. *Southeastern Geographer*, 48, 139-142.**
16. Adler, R. F., G. J. Huffman, and S. Curtis, 2007: World of Rain, pp. 30-35 in *Our Changing Planet: The View from Space*, M. D. King, C. L. Parkinson, K. C. Partington, and Robin G. Williams, Eds., Cambridge University Press, 391p.
17. Huffman, G.J., R.F. Adler, S. Curtis, D.T. Bolvin, and E.J. Nelkin, 2007: Global Rainfall Analyses at Monthly and 3-h Time Scales. Section 4, Chapter 23, pp. 291-305 of *Measuring Precipitation from Space: EURAINSTAT and the Future*, V. Levizzani, P. Bauer, and F. J. Turk, Eds., Springer, 722 p.
18. **Curtis, S., 2005: El Niño: Predicting Cause and Effect. *Geotimes (INVITED)*, 50, 30-33.**
19. Salahuddin, A., R. Issac, S. Curtis, and J. Matsumoto, 2005: Sea surface temperatures in the Bay of Bengal as a predictor for monsoonal rainfall in Bangladesh: A canonical correlation analysis. *CLIVAR Exchanges*, 10, 3, 22-24. (non-refereed)
20. **Curtis, S., and R. Adler, 2002: ENSO related**
21. **precipitation anomalies from the tropics to the extratropics. *CLIVAR Exchanges*, 7, 1, 8-9.**
22. **Curtis, S., and R. F. Adler, 2002: GPCP precipitation anomalies in the Indian Ocean as precursors to El Niño. *GEWEX News*, 12, 1, 10.**

FIRST AUTHOR CONFERENCE PRESENTATIONS (BOLD INDICATES PROCEEDINGS PAPER)

1. Compound coastal water events: Definition and background. Carolinas Climate Resilience Conference, Durham, NC, May 2021. (part of the symposium "Compound Coastal Water Events: A Multidisciplinary Approach to Resilience")
2. **Compound flooding in eastern North Carolina: Understanding stakeholder perceptions and needs. 45th Annual Climate Diagnostics and Prediction Workshop, Virtual, October 2020.**
3. Compound coastal water events from 1981 to present in eastern North Carolina. HurriCon. Greenville, NC, February 2020.
4. Preparing for, responding to, and mitigating compound coastal water hazards for resilient rural communities. 74th Annual SEDAAG. Wilmington, NC, November 2019.
5. Preparing for, responding to, and mitigating compound coastal water hazards for resilient rural communities. North Carolina Coastal Conference. Wilmington, NC, November 2019.
6. Un análisis de los cambios climáticos en el Caribe y sus insinuaciones para el Turismo en Cuba (A review of the climatic change in the Caribbean and its implications for tourism in Cuba). 9th International Scientific Conference of the University of Holguín. Guardalavaca, Cuba, April 2019 (in Spanish)
7. A Hydroclimatological Analysis of Monsoon Precipitation Within the Ganges-Brahmaputra-Meghna River Basin. 2018 Fall Meeting, American Geophysical Union. Washington D.C. Dec. 2018.
8. The Geography of Solar Farms in North Carolina. 73rd Annual SEDAAG. Johnson City, TN, Nov. 2018.
9. Global Coastal Zone Precipitation: Means and Long-term Trends. 73rd Annual SEDAAG. Johnson City, TN, Nov. 2018.
10. The coastal storm conundrum: Applied research experiences with Geographic Information Science. UNC System-Wide Undergraduate Research Development Summit. Greensboro, NC, March 2018.
11. **Monsoon dynamics in the Ganges-Brahmaputra-Meghna basin. First International Electronic Conference on the Hydrological Cycle. Virtual Workshop, Nov. 2017.**
12. Managing food, energy, and water resources in the Caribbean: Issues and opportunities. Global Marine Science Summit: Coastal Resilience and the Blue Economy. Wilmington, NC, Nov. 2017.
13. Why drought? A mixed methods approach to defining drought in Southwest Jamaica. 10th Annual Conference of the Global Partners in Education. Greenville, NC, May 2017.
14. The boreal winter Madden Julian Oscillation's influence on summertime precipitation in the greater Caribbean. 2017 Annual Meeting of the American Meteorological Society. Seattle, WA, Jan. 2017.
15. Why drought? A mixed methods approach to defining drought in Southwest Jamaica. 2015 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 2015.
16. Why drought? A mixed methods approach to defining drought in Southwest Jamaica. 70th Annual SEDAAG Meeting. Pensacola, FL, Nov. 2015.
17. MJO, NAO, ENSO, and mid-summer rainfall in the Caribbean. Observing & Modeling Climate Variability in the Intra-Americas Seas & Impacts on the Continental Americas & the Caribbean. Virtual Workshop, Sept. 2015.
18. Climate change, agriculture, and tourism: Observations from Jamaica. 4th Innovators Think Tank: Climate Change and Coastal & Marine Tourism. Punta Cana, Dominican Republic, July 2015.
19. The summer-2014 Caribbean drought: A sign of things to come? Annual Meeting of the Association of American Geographers. Chicago, IL, Apr. 2015.
20. A daily soil moisture model for assessing small farmer water management: A case study in southwestern Jamaica. 69th Annual SEDAAG Meeting. Athens, GA, Nov. 2014.
21. Caribbean climate change scenario and framework for vulnerability assessment. The Caribbean Region: Adaptation and Resilience to Global Change. Kingston, Jamaica, June 2014.
22. The climate, weather, and tourism initiative of ECU's Center for Sustainability. 12th Annual Climate Prediction Applications Science Workshop. Fairfax, VA, May 2014 (INVITED).
23. The climate, weather, and tourism initiative of ECU's Center for Sustainability. Carolinas Climate Resilience Conference. Charlotte, NC, Apr. 2014.
24. A case study in Caribbean climate change: Impacts on crop suitability and small farmer vulnerability in St. Elizabeth, Jamaica. 2013 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 2013.

25. Daily precipitation distributions over the Intra-Americas Seas and their interannual variability. 2013 Annual Meeting of the American Meteorological Society. Austin, TX, Jan. 2013.
26. When is a drought? Reconciling farmer perception with the instrumental water budget in Flagaman, Jamaica. 67th Annual SEDAAG Meeting. Asheville, NC, Nov. 2012.
27. Satellite precipitation data. Scoping Workshop: Human Responses to Catastrophic Monsoon Events in South Asia, Designing a Spatially Explicit Model in Low-Lying Coastal Areas. Dhaka, Bangladesh, Sep. 2012.
- 28. Attitudes of residents and second home property owners to climate change considerations and their affects on future property values in coastal counties. 19th International Congress on Biometeorology. Auckland, New Zealand, Dec. 2011.**
29. In the eye of the storm: A participatory human-environment course on coastal storms. 66th Annual SEDAAG Meeting. Savannah, GA, Nov. 2011.
30. El Niño/Southern Oscillation induced monthly oscillations of precipitation: The unique case of the south tropical Indian Ocean. World Climate Research Program Open Science Conference. Denver, CO, Oct. 2011.
31. A mixed methods approach to understanding water availability in the Caribbean. World Climate Research Program Open Science Conference. Denver, CO, Oct. 2011.
32. El Niño/Southern Oscillation (ENSO) induced monthly oscillations of precipitation: The unique case of the south tropical Indian Ocean. 65th Annual SEDAAG Meeting. Birmingham, AL, Nov. 2010.
- 33. Climate change, drought, and Jamaican agriculture, 35th Annual Climate Diagnostics and Prediction Workshop. Raleigh, NC, Oct. 2010.**
34. The mid-summer dry spell (MSD) and water sustainability in Jamaica, 2010 Meeting of the Americas. Foz do Iguacu, Brazil, Aug. 2010.
35. Combining satellite-based precipitation and vegetation indices to achieve a mid-summer agricultural forecast in Jamaica, 2009 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 2009.
36. The rainiest areas on Earth: How does eastern NC/VA rank? & Precipitation extremes in the Carolinas: Satellites vs. gauges. Carolinas and Virginia Climate Conference. Wilmington, NC, Oct. 2009.
37. Back to the future: Satellite precipitation as a tool to reanalyze Hurricane Floyd and forecast probabilities of extreme rainfall in eastern North Carolina, Hurricane Floyd Symposium: Commemorating the 10th Anniversary of Hurricane Floyd. Greenville, NC, Sep. 2009.
38. ENSO's global influence on extreme rainfall, 2008 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 2008.
39. ENSO's global influence on the seasonal distribution of daily rainfall, 63rd Annual SEDAAG Meeting. Greensboro, NC, Nov. 2008.
- 40. Wintertime climate extremes in the equatorial South China Sea, 7th International Annual Symposium on Sustainability Science and Management. Kuala Terengganu, Malaysia, Jun. 2008.**
41. The climate-weather connection: examples from TRMM, 3rd NASA/JAXA International TRMM Science Conference. Las Vegas, NV, Feb. 2008.
42. Northern hemisphere climate modes and extreme precipitation over the US, NASA Energy and Water Cycle Study Science Team Meeting. Huntsville, AL, Sep. 2007.
43. Regional variations of the Caribbean mid-summer drought, AGU Spring Meeting. Acapulco, Mexico, May 2007.
44. Center for Natural Hazards Research at East Carolina University, AGU Spring Meeting. Acapulco, Mexico, May 2007.
45. ENSO and global daily to 3-hourly precipitation extremes, 2007 Annual Meeting of the American Meteorological Society. San Antonio, TX, Jan. 2007.
46. Indo-Pacific climate variability at 20-50 and 50-100 day time scales and El Niño, 2006 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 2006.
47. A comparison of TRMM to other basin-scale estimates of rainfall during the 1999 Hurricane Floyd flood, 61st Annual SEDAAG Meeting. Morgantown, WV, Nov. 2006.
48. Climatic variations of global precipitation extremes, NASA Energy and Water Cycle Study Science Team Meeting. College Park, MD, Sep. 2006.
49. Precipitation variability in the Maritime Continent: From local impacts to global climate change, NASA Precipitation Missions Science Team Meeting. Monterey, CA, Dec. 2005.
50. ENSO impacts on the climatology of winter extratropical cyclones in the Southeast U.S., 60th Annual SEDAAG Meeting. West Palm Beach, FL, Nov. 2005.
51. An analysis of the climatology and variation of precipitation extremes with GPCP and TRMM, Fifth International Scientific Conference on the Global Energy and Water Cycle Experiment. Costa Mesa, CA, Jun. 2005.
52. Climatology of winter storm observations in the Southeastern U.S. and adjacent oceans, 101st Annual Meeting of the Association of American Geographers. Denver, CO, Apr. 2005.
- 53. An examination of the El Niño Onset Index (EOI) and the successful prediction of the 2002-03 El Niño. Combined Preprints CD-ROM, 2nd TRMM International Science Conference. Nara, Japan, Sep. 2004, 4 pp.**
54. Precipitation in the eastern Indian Ocean as a predictor for the onset of El Niño: What can TRMM and QuikSCAT tell us? First International CLIVAR Science Conference. Baltimore, MD, Jun. 2004.
55. The climate of the tropical Indian Ocean and the development of El Niño. Fifty-eighth Annual Meeting of the Southeast Division of the Association of American Geographers. Charlotte, NC, Nov. 2003.
56. Intraseasonal variations in precipitation from the Indian to western Pacific Oceans as a forcing mechanism for El Niño / Southern Oscillation. NASA Precipitation Missions Science Team Meeting. Greenbelt, MD, Oct. 2003.
- 57. A case study of the Intertropical Convergence Zone at the ocean surface with high resolution satellite data. Combined Preprints CD-ROM, 83rd AMS Annual Meeting; 12th Conference on Interactions of Sea and Atmosphere. Long Beach, CA, Feb. 2003, 2 pp.**
58. Forecasting the onset of El Niño based on GPCP precipitation: validation and future work. Proceedings of the Twenty-seventh Annual Climate Diagnostics and Prediction Workshop. Fairfax, VA, Oct. 2002.

59. Characterizing the North American monsoon with TRMM precipitation. 1st TRMM International Science Conference. Honolulu, HI, Jul. 2002.
60. ENSO variations in tropical precipitation. 1st TRMM International Science Conference. Honolulu, HI, Jul. 2002.
61. Forecasting El Niño with satellite observations of precipitation. AGU Spring Meeting. Washington D.C., May 2002.
62. The TRMM/NAME connection. 5th Panel Meeting of CLIVAR-VAMOS. San Jose, Costa Rica, Mar. 2002 (INVITED).
63. Global trends (1979-2001) in mean and extreme rainfall from a new satellite-gauge merged data set. 11th Conference on Satellite Meteorology and Oceanography. Madison, WI, Oct. 2001.
64. The precipitation component of ENSO. Fourth International Scientific Conference on the Global Energy and Water Cycle Experiment. Paris, France, Sep. 2001.
65. Climate variations in global monsoonal precipitation from 22 years of satellite data. 8th Scientific Assembly of IAMAS. Innsbruck, Austria, Jul. 2001.
66. Using global precipitation observations to monitor ENSO. 8th Scientific Assembly of IAMAS. Innsbruck, Austria, Jul. 2001.
67. The evolution of tropical and extratropical precipitation during ENSO events. 12th Symposium on Global Change and Climate Variations. 81st Annual AMS Meeting. Albuquerque, NM, Jan. 2001.
68. Long-term satellite precipitation data sets and TRMM: Applications to the global water cycle. US-Japan Workshop on Monsoon Systems. NASA/Goddard, MD, Nov. 2000 (INVITED).
69. **21-year variability in regional precipitation over the globe based on the GPCP version-2 data set. Proceedings of the Twenty-fifth Annual Climate Diagnostics and Prediction Workshop. Palisades, NY, Oct. 2000, pp 102-104.**
70. Applications of remotely sensed precipitation data sets to the goals of PACS and GCIP. 2000 Spring Meeting, American Geophysical Union. Washington D.C., May 2000.
71. The evolution of tropical precipitation patterns during ENSO events using 21+ years of GPCP merged data. 2000 Spring Meeting, American Geophysical Union. Washington D.C., May 2000.
72. **Global precipitation patterns associated with ENSO and tropical circulations. Proceedings of the Twenty-fourth Annual Climate Diagnostics and Prediction Workshop. Tucson, AZ, Nov. 1999, pp 142-144.**
73. **Using satellite estimates of precipitation to identify and monitor climate variability. Eighth Conference on Climate Variations. Denver, CO, Sep. 1999, pp 222-223.**
74. A global comparison of GPCP precipitation observations with model-generated estimates. IUGG, Birmingham, UK, Jul. 1999 (presented by R. Adler).
75. **Climatic variability of precipitation from the seasonal cycle to ENSO using GPCP's merged data product and SSM/I-based microwave estimates. Third International Scientific Conference on the Global Energy and Water Cycle Experiment. Beijing, China, Jun. 1999, pp 535-536.**
76. An analysis of global precipitation during the 1997-98 ENSO using GPCP's satellite-gauge combined dataset. 79th Annual AMS Meeting. Dallas, TX, Jan. 1999.
77. **Comparison of GPCP and CMAP global monthly precipitation analyses. Proceedings of the Twenty-third Annual Climate Diagnostics and Prediction Workshop. Miami, FL, Oct. 1998, pp 159-161.**
78. Circulation anomalies in the tropical Pacific and Australasia associated with the Southern Oscillation. 1997 Fall Meeting, American Geophysical Union. San Francisco, CA, Dec. 1997.
79. **Evolution of tropical Atlantic SST anomalies. Proceedings of the Nineteenth Annual Climate Diagnostics Workshop. College Park, MD, Nov. 1994, pp 168-170.**

INVITED TALKS

- “**Lt. Col. James B. Near, Jr., USAF, ’77 Center for Climate Studies**”
Charleston Resilience Network, December 2020
- “**Flood Threats in Rural Environments: A Case Study in Eastern North Carolina**”
First Street Foundation Flood Lab Meeting, October 2020
- “**Lt. Col. James B. Near, Jr., USAF, ’77 Center for Climate Studies**”
Exchange Club of Metropolitan Charleston, October 2020
- “**Lt. Col. James B. Near, Jr., USAF, ’77 Center for Climate Studies**”
Citadel Club, October 2020
- “**Preparing for, Responding to, and Mitigating Compound Coastal Water Hazards for Resilient Rural Communities**”
Disaster Recovery and Economic Resilience Funding Forum, August 2019
- “**Understanding Precipitation: From around the world to your own backyard**”
Education and Research: Testing Hypothesis (EARTH) satellite teacher workshop, Coastal Studies Institute, March 2019
- “**Hurricanes and Impacts in North Carolina**”
Science Saturday at the North Carolina Museum of Natural Sciences, Raleigh, NC, September 2018
- “**Present and Future Water Resources for Jamaican Agriculture**”
Coastal Water Resources Seminar Series, ECU, March 2017
- “**A Short FEWS: The Vulnerable Food-Energy-Water System of the Caribbean**”
Sustainability Symposium, ECU, February 2017
- “**Illegal Trade in Wildlife and Climate Change**”, **Keynote Speech**
World Environment Day 2016, Jubail, Saudi Arabia, June 2016
- “**World of Rain: The Story of Measuring Precipitation from Space**”
Science Saturday at the North Carolina Museum of Natural Sciences, Raleigh, NC, March 2016
- “**To Catch a Crop: How Climate, Environment, and Economics Affect Smallholder Farming in Jamaica**”
Norfolk State University Maxwell A. Bempong Environmental Biology Lecturer, Norfolk, VA, February 2014
- “**Conversations with Professionals**”

- American Meteorological Student Conference, January 2013
- “Coastal Storms, Trends vs. Predictions”**
Tar River Sail and Power Squadron, Greenville, NC, September 2012
- “Weather”**
Brock Associates, Decision 2012 Summer Seminar, Greenville, NC, July 2012
- “Precipitation Variability and Change in the Caribbean and the Impact on Small Farmers in Jamaica”**
Department of Marine, Earth, and Atmospheric Sciences, NC State University, January 2012
- “Weather Gone Wild! 2011”**
Bethel, NC Rotary Club, May 2011
- “A Global Perspective on Flood and Landslide Hazards Through Recent Advances in Satellite-Based Research”**
Center for Disaster Research and Education, Millersville University (virtual seminar)
- “The Center for Natural Hazards Research”**
Kinston, NC Rotary Club, June 2010
- “Climate Change Impacts on North Carolina Regions”**
NCSITE 2010 Mid-Year Meeting, Greensboro, NC (June)
- “Farmer Knows Best: How Vegetation and Climate Data Can Both Inform and Be Verified by Local Knowledge in Jamaica’s Vulnerable ‘Bread Basket’”**
Florida Atlantic University, Dept. of Geosciences, April 2010
- “The El Niño-Southern Oscillation and Global Precipitation Patterns: A View from Space”**
University of North Carolina – Chapel Hill, Dept. of Geography, April 2009
- “Climate Variability and Extreme Precipitation”**
East Carolina University, Dept. of Geology, October 2007
- “Climate Change and Global Warming”**
Global Education Fall Institute, Edgecombe Community College, September 2006
- “El Niño / Southern Oscillation and Extreme Precipitation”**
Earth and Ocean Sciences Seminar Series, Duke University, March 2006.
- “New Insights on El Niño-Precipitation Relationships”**
University of North Carolina-Wilmington, Dept. of Earth Sciences, October 2005.
- “Predicting El Niño and LaNiña: When Will the Next One Occur?”**
Austin College (Sherman, TX), Earth Systems & Global Change Science Lecture Series, February 2005.
- “Predicting, Monitoring, and Understanding El Niño with Satellites”**
East Carolina University, Dept. of Geology, December 2003.
- “Global and Regional Precipitation Climatologies: A Perspective from Space”**
University of North Carolina - Charlotte, Dept. of Geography and Earth Science, March 2003.
East Carolina University, Department of Geography, January 2003.
Hampton University, Department of Physics, January 2002.
UMBC Geography and Environmental Systems Affiliation Lecture, November 2001.
- “Extending our Understanding of ENSO, Monsoons, and Climate Change Through Global Observations of Precipitation”**
Climate and Radiation Branch of the Laboratory for Atmospheres, NASA/Goddard, January 2001.
- “The El Niño - La Niña Phenomenon”**
UMBC Geography and Environmental Systems Dept. Seminar Series on Earth Systems and Environment, SP 00.

LEADERSHIP

Member, Education Committee of the Climate Action Plan, City of Charleston	FA 20 – present
Member, Governance Committee, Charleston Resilience Network	FA 20 – present
Member, Coastal Resilience Program Advisory Committee, SC Sea Grant	FA 20 – present
Departmental Colloquium Series Coordinator	FA 17 – SP 20
Graduate Director, Department of Geography, Planning, and Environment	FA 13 – SU 17
Treasurer, Southeast Division of the Association of American Geographers	2014 – 2015
Acting Chair	May-June 2014
5-Year Tenure Review Advisory Committee	FA 13 – SP 14
Vice Chair, ECU Admission and Retention Committee	FA 12 – FA 13
Coordinator, Applied Atmospheric Science BS degree	FA 10 – FA 13
Chair, Assessment Committee	FA 09 – FA 13
Co-developer and Coordinator of the Certificate of Atmospheric Science at ECU	FA 04 – FA 13
Chair, Nominations Committee, Southeast Division of the Association of American Geographers	2012
Chair, Honors Committee, Southeast Division of the Association of American Geographers	2007
Chair, Applied Atmospheric Science BS Degree Planning Committee	2006 – FA 09
Department Chair Advisory Committee (elected)	2005-06; 2010-11; 2013-14; 2015-16; 2016-17; 2019-20
Chair, Faculty Search Committee	FA 05; 2010-11; FA 18
Chair, Curriculum Committee	FA 05 – FA 09

PROFESSIONAL SERVICE

Tenure/Promotion Reviews

2019: Ohio University, Department of Geography

2019: Virginia Tech, Department of Geography
2019: Old Dominion University, Department of Political Science & Geography
2004: Austin College, Physics Department

Departmental Review

2016: Major Field Assessment change, Department of Geography, University of Tennessee

Invited Participant

2018: NSF Coastlines and People (CoPe) Virtual Scoping Session

Panelist

2021: International Visitor Leadership Program “U.S. Foreign Policy – Global Challenges II A Regional Project for Europe”

2021: An Earth Day Conversation (The Citadel, College of Charleston, and MUSC) “Resilience in the 21st Century: Exploring the Social, Economic, and Environmental Aspects of Climate Change for Charleston”

2021: The Citadel Department of Intelligence and Security Studies panel: “Climate Change and Its Impact on International and National Security” – The James B. Near Center for Climate Studies at The Citadel: Preparing Future Leaders for Climate Threat Multipliers

2020: HurriCon – “Making Research Useful and Useable: Engaging Potential End Users in Research Project Design”

2015: Innovators Think Tank: Climate Change and Coastal Tourism – “What’s the score card? Are current best practices in coastal tourism enough to address climate change?” and “Sustainable food sourcing: Strategies for linking agriculture & fishing to tourism that help mitigate and adapt to climate change”

2006: SEDAAG Meeting – Finding Funding for Research

Conference Session Organizer/Chair

2015: AAG Annual Meeting – Panel “Geographies of Hazards Education in North American Higher Education Institutions: Fragmenting a Common Core

2014: Carolinas Climate Resilience Conference – “Climate, Weather and Tourism in the Carolinas”

2010: AGU Meeting of the Americas (Foz do Iguaçu, Brazil) – “Drought in the Intra-Americas Seas”

2009: AGU Annual Meeting – “Impact of Climate Extremes and Change on Hydrologic Responses and Hazards”

2009: Hurricane Floyd Symposium – Research

2008: AGU Annual Meeting – “Spatial and Temporal Trends in Hydrometeorological Records as Indicators of Climate Variability and Change”

2007: AGU Joint Assembly (Acapulco, Mexico) – “Midsummer Droughts: Causes and Implications”

2006: AGU Annual Meeting – “Extreme Hydrometeorological Events”

2005: SEDAAG Annual Meeting – “Storms in the South: Human and Physical Aspects”

Conference Internal Steering Committee

2020: HurriCon: Science at the Intersection of Hurricanes and the Populated Coast

Conference Session Chair

2021: 93rd Annual Meeting of the SC Academy of Sciences, Session 3: Field Biology, Climatology, Pharmacology, & Physiology

2014: The Caribbean Region: Adaptation and Resilience to Global Change (Kingston, Jamaica) – Panel “Guyanese Environments: Coping with Change”

2010: SEDAAG Annual Meeting – Weather and Climate

2008: 3rd NASA/JAXA International TRMM Science Conference – Climate (2)

2007: SEDAAG Annual Meeting – Student Honors Competition I

2006: SEDAAG Annual Meeting – Student Honors Competition II

Student Judge

2014: AMS 2014 Student Conference, Dynamics posters

2013: AGU 2013, Atmospheric Science, Global Change, Hydrology, and Natural Hazards posters

EDITORIAL SERVICE

Water (IF = 2.524), Editorial Board Member (2018-present)

Water (IF = 2.524), Guest editor for special issue “Hydroclimatic Variability at Local, Regional, and Global Scales” (2018-2020)

Scientific Reports (IF = 4.011), Editorial Board Member (2016-2020)

Geography Compass (IF = 2.053), Atmosphere Section Editor (2011-2016)

Geography Compass (IF = 2.053), Board Member (2008-2011)

International Journal of Climatology (IF = 3.601), Guest editor for special issue on “Hydroclimatology” (2009-2010)

The Open Atmospheric Science Journal, Board Member (2007-2013)

Reviewer

Papers: Advances in Atmospheric Sciences, AGU Monograph, Applied Geography, Atmosfera, Atmosphere, Atmospheric Chemistry and Physics, Atmospheric Research, Bulletin of the American Meteorological Society, Climate, Climate Research, Climate Risk Management, Computers and Electronics in Agriculture, Continental Shelf Research, Earth’s Future, Earth Interactions, EOS, Geography Compass, Geomorphology, Geophysical Research Letters, International Journal of Biometeorology, International Journal of Climatology, Journal of Applied Meteorology and Climatology, Journal of Atmospheric and Oceanic Technology, Journal of Climate, Journal of Extreme Events, Journal of Geography, Journal of Geophysical Research–Atmospheres, Journal of Hydrology, Journal of Hydrometeorology, Journal of Operational Meteorology, Meteorological Applications, Meteorology and Atmospheric Physics, Natural Hazards, Nature Communications, Nature Geosciences, Physical Geography, Quarterly Journal of the Royal Meteorological Society, Regional Environmental Change, Sensors, Scientific Reports, Southeastern Geographer, Sustainability, The Open Atmospheric Science Journal, The Philippine Agricultural Scientist, Theoretical and Applied Climatology, Tourism Geographies, Weather, Climate and Society; Proposals:

German Research Foundation, Shota Rustaveli NSF, BARD, NOAA, NASA, NSF; Panels: NSF Graduate Research Fellowship (x 3)

INSTITUTIONAL SERVICE

Appointed member (Dean)

Voyages of Discovery and Phi Kappa Phi steering committee: 2020-21 university focus on the environment and climate

Reviewer (UNC-System)

Request to Establish New Academic Degree Program from UNC-Greensboro: MS in Sustainability

Member

Integrated Coastal Sciences (PhD) Admissions Committee, 2019-present

Member

THCAS Global Initiatives Committee, 2018-present

Reviewer

THCAS Study Abroad Scholarships, 2019

Reviewer

Faculty Development Awards, 2018

Guest speaker

Freshman-Year Story, Pirate Academic Success Center, 2018

Elected member

ECU Coastal Maritime Council (2018-21)

Panelist

“Twister: Preparing for the Dark Side of Nature”, ECU Premier Passport Event, 2017

Appointed member (Dean)

Cross-college cluster hire in Water Resources search committee, 2017

Appointed member (Provost)

Code Unit Proposal Committee for ECU’s Coastal Enterprise

Panelist

“It Was Only a ‘Matt’er of Time: Understanding Matthew, Remembering Floyd”, Fall 2016

Appointed member (Provost)

ECU-UNCW Joint committee for the PhD in “Integrative Coastal and Marine Science”

Appointed member (Dean)

Review committee for college travel grant awards, 2016 Spring and Fall

Appointed member (Provost)

ECU strategic planning for coastal activities (2016-17)

Elected alternate member

ECU Graduate Council (2015-16)

Appointed member (Dean)

Work Group to examine the administrative structure of the Harriot College of Arts and Sciences (2014-15)

Co-presenter

“Portfolios in Practice”, ECU’s 2012 Assessment Day

Co-presenter (w/ Jeff Popke)

“Bridge over troubled water: linking physical and human geography epistemologies to assess climate change and agriculture in Jamaica”, ECU’s Department of Geography colloquium series (2012)

Judge for Natural Science Graduate Posters

Research and Creative Achievement Week, 2012

Faculty Search Committee Member

Center for Sustainable Tourism, ECU, 2012

Committee Member

University Working Group on Foundations Curriculum, Phase II, 2011

Member

Coastal Resources Management Ph.D. Steering Committee (2008-2009)

“Coastal Storms”

Presentation to Martin County 8th Graders

Speaker Panelist

The Gulf of Mexico: Why so attractive to hurricanes? (Dr. Yanez-Arancibia)

ECU Geography Awareness Week Panel

The Future of our Fluid Planet: Water, Climate and Perpetual Change

Climate, Weather, and Tourism Workshop, ECU

Co-organizer, Welcoming speaker and Introducing speaker

Panel Member

North Carolina premier of the movie *Sizzle: A Global Warming Comedy*

Lead Author

Global Warming and Coastal North Carolina: A Response in Two Parts from East Carolina University to Senator Marc Basnight’s Request Concerning Global Warming

Master of Ceremonies for ECU Geography panel

Wind and Water: The Science of Hurricane Forecasting and Impacts in a Changing Climate

Panel Member

Global Academic Workshop, Global Classroom, ECU

Fred A. Anderson Elementary School (Bayboro, NC)

Invited speaker on weather measurement

"Career as an Earth Science Researcher"

Fredrick County (MD) Public Schools Earth System Science Research Course

2002 and 1999 Summer Institute on Atmospheric and Hydrospheric Sciences

Selected as mentor for upper-level undergraduate student.

"Understanding the Cause and Effects of El Niño with Satellite Estimates of Precipitation" (for science teachers)

Maine Teachers Earth and Space Sciences Workshop, NASA/Goddard

NASA Educators Workshop (NEW), NASA/Goddard

Performance Assessments for Mathematics and Science (PAMS), NASA/Goddard

Mentor

Hosted a senior Physics student from Austin College (Sherman, TX) and oversaw a semester-long project.

PROFESSIONAL MEMBERSHIPS

American Meteorological Society (since 1995), **American Geophysical Union** (since 1996); **AGU Hydrology/Precipitation Committee** (2008-2010), **Southeastern Division of the Association of American Geographers** (2003-2020), and **North Carolina Geographical Society** (2003-2020)

STUDENT GRADUATE COMMITTEE, CHAIR

DePolt, Kelley, MS Geography, ECU

Compound Coastal Water Event Risk within Eastern North Carolina

Khatiwada, Muna, MS Geography, ECU

Time-space characterization of precipitation in the Ganges-Brahmaputra-Meghna river basin for projecting riverbank erosion in the Bangladesh outlet

Munroe, Robbie, Ph.D. Coastal Resources Management, ECU, 2019

Where Science Meets User Needs: Storm Surge in Eastern North Carolina

Armstrong, Lee, MA Geography, ECU, 2014

Interactions of Basin-Wide Climate Oscillations on Indian Ocean Tropical Cyclone Genesis and Track

Ayscue, Emily, MS Sustainable Tourism, ECU, 2014

Forecast Use in Coastal North Carolina Tourism Businesses

Blair, Heather, MA Geography, ECU, 2013

North Carolina Winegrowers Perceptions of Climate Change Impact

Jessop, Sarah, MA Geography, ECU, 2011

Mid-summer Dry Spell and Agriculture in Jamaica: Implications for Farming

Munroe, Robbie, MA Geography, ECU, 2010

ENSO Forced Changes in Precipitation Distributions and Related Global Circulation Patterns: Gulf of Mexico Region

Allen, Theodore, MA Geography, ECU, 2009

Jamaica's Mid-summer Dry Spell and Vegetative Response

Salahuddin, Ahmed, Ph.D. Coastal Resources Management, ECU, 2008

Intraseasonal and Interannual Analysis of the Organization of the Mesoscale Convective Systems in the Indo-Pacific Region Using Satellite Measurements

Wuensch, Sol Xenos, MA Geography, ECU, 2008

Heavy and Extreme Precipitation in the Carolinas: Comparisons between TRMM and Rain Gauge Data

STUDENT GRADUATE COMMITTEE, MEMBER

Sharif Islam, PhD, Geospatial and Environmental Analysis, Virginia Tech

Ruth Quainoo, PhD, Coastal Resources Management, ECU

Zizhan Jiang, MS Geography, ECU, 2021

Russell James, MS Geography, ECU

Mizanur Rahman, MS Geography, ECU, 2020

Nicole Hammond, MS Geography, ECU

Matthew Little, MS Geography, ECU

Eugene Frimpong, PhD, Coastal Resources Management, ECU, 2019

Mary Brown, MS, Geography, ECU

Samantha Connolly, MS Geography, ECU, 2018

Hannah Wells, MS Geography, ECU, 2018

Rochelle Walters, reviewed MPhil thesis, University of West Indies-Mona

Candice Boling, MS Geography, ECU

Minh Phan, MS Geography, ECU, 2017

Shadane Williams, MS Geography, ECU, 2017

Mark Nissenbaum, MS Geography, ECU, 2016

Alex Moulton, MS Geography, ECU, 2015

Stephanie Hoekstra, Ph.D. Coastal Resources Management, ECU, 2015

Holly Lussenden, MA Geography, ECU, 2014

Hall, Lin, MA Geography, ECU, 2013
Fuhrmann, Christopher, Ph.D. Geography, University of North Carolina-Chapel Hill, 2011
Griffin, Mike, MA Geography, ECU, 2011
Wright, Emily, MA Geography, ECU, 2010
Hill, Stephanie, MA Geography, ECU, 2010
Perez-Sanchez, Naomi, MA Geography, ECU, 2009
Twomey, Evan Michael, MS Biology, ECU, 2008
Sivaram, B., adjudicated PhD thesis, Andhra University, INDIA
Kotecki, Erica Susann, MA Geography, ECU, 2006

MEDIA

The Post & Courier, Charleston, SC, August 22, 2021

Quoted in news story: "Floods, pollution and other impacts of climate change can cause pediatric health issues"

The Post & Courier, Charleston, SC, August 5, 2021

Quoted in news story: "Volunteers measure scorching summer heat to aid research: National Heat Watch to show where action needed to protect vulnerable populations"

NBC, News2 Charleston, July 27, 2021

Interviewed in news story: "Local groups, city leaders discuss ways to help waterway pollution"

E.W. Scripps Television Stations, May 6, 2021

Interviewed in news story: "National study to examine extreme summer heat in communities"

Aired in Scripps TV stations in Nashville, Baltimore, Denver, Tampa, and Las Vegas

ABC, News4 Charleston, April 22, 2021

Interviewed in news story: "9 experts weigh in on climate change in Charleston ahead of Earth Day"

The Post & Courier, Charleston, SC, April 15, 2021

Quoted in news story: "Charleston joining national heat-mapping projects this summer"

The State, Columbia, SC, April 15, 2021

Quoted in news story: "So, how hot is Charleston really? City grappling with climate change joins heat study"

ABC, News4 Charleston, April 15, 2021

Interviewed in news story: "Charleston selected for urban 'heat island' study, tracking hotter temps in urban areas"

Letter to the Editor, December 15, 2020

"Trees Offer Many Benefits Beyond Helping with Storm Water"

SC Business Review, December 4, 2020

Interview: "The Economic Impact of Climate Change"

NBC, News2 Charleston, October 21, 2020

Interviewed in news story: "Citadel faculty, staff to participate in study of Charleston sunny day flood waters"

The Post & Courier, Charleston, SC, September 28, 2020

Quoted in news story: "Citadel launches climate science research center with \$2 million donation"

Also reported by *ABC 4 News (Charleston)*, *LowcountrybizSC*, *NewsBreak*, *The Island Eye News*, *The Island Connection*, *Moultrie News*

NBC, WITN Greenville, NC, April 19, 2020

Interviewed in news story: "ECU scientists: Stay at home order having a positive impact on environment"

CBS, WNCT Greenville, NC, August 22, 2019

Interviewed in news story: "Online originals: Fires blaze through Amazon in Brazil"

NBC, WITN Greenville, NC, October 8, 2018

Interviewed in news story: "ECU atmospheric professor weighs in on new climate change report"

The East Carolinian, September 11, 2018

Quoted in news story: "Hurricane Florence approaches North Carolina"

The East Carolinian, September 11, 2018

Quoted in news story: "ECU braces for Hurricane Florence"

The East Carolinian, September 11, 2018

Quoted in news story: "ECU classes after noon on Tuesday canceled due to Hurricane Florence"

North Carolina Health News, April 19, 2018

Quoted in news story: "Review: NC Emergency Health Preparedness Improving"

CBS, WNCT Greenville, NC, October 31, 2017

Interviewed in news story: "NOAA: Expect a warm dry winter in the East"

The East Carolinian, October 11, 2017

Quoted in news story: "Experts use Hurricane Matthew as model for succeeding storms"

The East Carolinian, September 7, 2017

Quoted in news story: "Greenville, ECU Officials take heed of Hurricane Harvey"

The East Carolinian, August 28, 2017

Quoted in news story: "Tropical storm Irma to dampen second week of semester"

The East Carolinian, August 20, 2017

Quoted in news story: "Solar eclipse to pass over ECU"

CBS, WNCT Greenville, NC, July 11, 2017

Interviewed in news story: "Report: Southern U.S. could suffer most from climate change"

CBS, WNCT Greenville, NC, June 27, 2017

Interviewed in news story: "Potential Tropical Cyclone designation brings earlier warning, confusion"

The East Carolinian, June 7, 2017

Quoted in news story: "Hurricane Season Begins: 'Above Average' Season Looms"

The East Carolinian, May 15, 2017

Quoted in news story: "Future planning becomes focus after recent flooding"

CBS, WNCT Greenville, NC, April 11, 2017

Interviewed in news story: "Forecasters expect slightly below average 2017 hurricane season"

CBS, WNCT Greenville, NC, January 10, 2017

Interviewed in news story: "New study may explain lack of major hurricane landfalls in U.S."

CBS, WNCT Greenville, NC, January 5, 2017

Interviewed in news story: "Greenville residents gear up for winter weather"

CBS, WNCT Greenville, NC, December 5, 2016

Interviewed in news story: "Tornadoes still a threat in East despite unusually calm weather"

CBS, WNCT Greenville, NC, November 8, 2016

Interviewed in news story: "Winter is coming: Polar vortex shift may change up N.C. winter weather"

The East Carolinian, October 18, 2016

Quoted in headline news story: "Flood hits Greenville"

The East Carolinian, October 5, 2016

Quoted in online news story: "Hurricane Matthew tracks north as city prepares"

CBS, WNCT Greenville, NC, September 7, 2016

Interviewed in news story: "ECU Professor: Tornado bullseye shifts south and east but little change expected in eastern Carolina"

CBS, WNCT Greenville, NC, August 17, 2016

Interviewed in news story: "Long range forecasters weigh in on what to expect this fall and winter"

CBS, WNCT Greenville, NC, August 1, 2016

Interviewed in news story: "NOAA: Major upgrade to weather forecast model coming soon"

CBS, WNCT Greenville, NC, June 20, 2016

Interviewed in news story: "Strawberry full moon makes rare appearance during the summer solstice this year"

CBS, WNCT Greenville, NC, June 1, 2016

Interviewed in news story: “Could this be the year that a major hurricane strikes the US?”

CBS, WNCT Greenville, NC, May 3, 2016

Interviewed in news story: “Severe weather season in the East quiet, so far”

CBS, WNCT Greenville, NC, April 19, 2016

Interviewed in news story: “First hurricane season outlooks are out, but just how accurate are they?”

CBS, WNCT Greenville, NC, April 12, 2016

Interviewed in news story: “Scientists worried La Niña & more weather extremes could follow strong El Niño”

CBS, WNCT Greenville, NC, January 27, 2016

Interviewed in news story: “Forecast: Below normal severe weather expected this spring”

CBS, WNCT Greenville, NC, January 26, 2016

Interviewed in news story: “Warming oceans could fuel more weather extremes”

CBS, WNCT Greenville, NC, November 11, 2015

Interviewed in news story: “Eastern NC already settling into El Niño pattern”

CBS, WNCT Greenville, NC, October 7, 2015

Interviewed in news story: “Uncertainty in Hurricane Joaquin forecast sparks debate among meteorologists”

CBS, WNCT Greenville, NC, October 6, 2015

Interviewed in news story: “Storm damage in the East not from Hurricane Joaquin”

CBS, WNCT Greenville, NC, September 8, 2015

Interviewed in news story: “New study: Fewer hurricanes over next several years”

CBS, WNCT Greenville, NC, March 9, 2015

Interviewed in news story: “El Nino could impact our weather through the summer”

CBS, WNCT Greenville, NC, February 3, 2015

Interviewed in news story: “Meteorologists split on the naming of winter storms”

The Daily Reflector

“People in the News Spotlight: ECU’s Scott Curtis honored for work with Center for Sustainability”

NBC WITN, Greenville, NC, April 29, 2014

Interviewed in news story about heavy rain and flooding

The Daily Reflector

Quoted in news story “Student lands NOAA scholarship”, April 21, 2013

CLIVAR Exchanges, (59)

June 2012, Featured in News Story “An Overview of IASCLIP Goals and Pertinent Research Efforts” p. 6

Sensing Our Planet, 2011, A Publication of NASA’s Earth Observing System, Data and Information System (EOSDIS)

Featured in news story “Growing Jamaica”, pp. 6-9.

The East Carolinian, September 15, 2011

Quoted in news story “ECU adds new bachelor’s of science degree”

NBC WITN Greenville, NC, April 29, 2011

Interviewed in news story “ECU Climatologist: La Nina May be Contributing to Deadly Tornado Outbreak”

CBS WNCT Greenville, NC, September 3, 2010

Quoted in news story “Staying Covered in the Peak of Hurricane Season”

NBC WITN; ABC WCTI; FOX WFXI, WYDO Greenville, NC, February 3/4, 2010

News story on “ECU’s Global Climate Change class”

The East Carolinian, November 12, 2009

Quoted in “Rain to Remain, Water Levels Projected to Rise”

ABC WCTI Greenville, NC, September 18, 2009
6pm top news story on Hurricane Floyd Symposium

Washington (NC) Daily News, September 17, 2009
Quoted in “Hurricane Floyd Didn’t Act Alone”

Daily Reflector, August 23, 2009
ECU notes: Quoted in “Symposium will mark Floyd’s 10th anniversary”

ABC WCTI; FOX WFXI, WYDO Greenville, NC, July 28/29, 2009
5pm, 10pm, 11pm, and 5:30am news story “Understanding El Niño”

“Bangladeshi scientist in USA uncovers new info on cyclone patterns”
in *Bangladesh Observer*, *Bangladesh Today*, *Financial Express*, *New Nation*, *New Age* (all Bangladesh newspapers)
May 5, 2009

Pieces of Eight, December 12, 2008
“Researchers Study Climate’s Effect on State Tourism”

WTIB 94.3 FM and Channel 7 “Talk of the Town”, November, 2008
“Advertising the Climate, Weather and Tourism Workshop”

Exploration and Discovery, September, 2008
“Center for Sustainable Tourism: Research Opportunities”

Coastwatch, Winter 2008
“International Climate Change Report Released”

Pieces of Eight, December 7, 2007
“ECU begins water conservation efforts”

The East Carolinian, November 8, 2007
“University works to conserve water”

The East Carolinian, June 13, 2007
“North Carolina Vulnerable for Active Hurricane Season”

The East Carolinian, May 16, 2007
“Heating up: Global temperatures sizzle, Global warming proves deadly”

NBC WITN, Greenville, NC, January 9, 2007
6pm News Story: “Global Warming Is One Reason For Wacky Weather”

Sun Journal, New Bern, NC, July 13, 2005
“Residents Optimistic about Return to Space”

Pieces of Eight, ECU Faculty and Staff Newspaper, January 21, 2005
“Curtis Collaborates on El Niño Model”

The East Carolinian, January 12, 2005
“Professor Works with NASA Scientists, Develops El Niño Predicting Device”

The Daily Reflector, December 13, 2004
“Climatologist, NASA Develop El Niño Prediction Model”

CBS WNCT, Greenville, NC, December 3, 2004
Lead News Story (11 pm) based on 12/2/04 ECU press release

FOX WYDO, Greenville, NC, December 3, 2004
News Story (10 pm) based on 12/2/04 ECU press release

Edge, ECU Magazine of Research and Creative Activity, Spring 2004
“Scientist Seeks Way to Predict El Niño”

Pieces of Eight, ECU Faculty and Staff Newspaper, November 3, 2003
“Grant Funds ‘El Niño Study’”

Geotimes (web extra), October 3, 2003
“Defined at last: El Niño and La Niña”

Radio National Breakfast radio program, Australian Broadcasting Corporation, 2003

Science in Action radio program, BBC World Service, May 9, 2003
“El Niño”

Earth and Sky radio program, February 8, 2003
“Predicting El Niño”

Science News, December 21, 2002
“Science News of the Year 2002”
- *second place under the Earth Sciences category*

Geotimes, May 2002, pp. 6-7
“Wait and See for El Niño”

Science News, March 2, 2002, p. 142
“El Niño’s Coming! Is That So Bad?”

Popular Science, June 2001, p. 22
“Predicting El Niño”

USA Today (web feature), January 21, 2001
“Dry Pattern May Foretell El Niño”

USA Today (web feature), January 17, 2001
“Globe Wetter When El Niño, La Niña Around”

Goddard Earth Science Update, September 3, 1999
“Trends of Upper-Air Circulation and Water Vapour Over Equatorial South America And Adjacent Ocean”