

Alison D. Nugent, PhD

Assistant Professor

Department of Atmospheric Sciences (ATMO)

School of Ocean and Earth Science and Technology (SOEST)

University of Hawai‘i, Mānoa (UHM)

2525 Correa Rd., HIG 350, Honolulu, HI, 96822

anugent@hawaii.edu; 808-956-2878; <http://alisonnugent.com>**EDUCATION, POSITIONS, AND RESEARCH**

EDUCATION

2015	Ph.D.	Yale University, New Haven, CT, USA <i>Geology & Geophysics (now Earth and Planetary Sciences)</i>
2012	M.Phil.	Yale University, New Haven, CT, USA <i>Geology & Geophysics</i>
2009	B.S.	Harvard University, Cambridge, MA, USA <i>Earth and Planetary Sciences</i>

PROFESSIONAL POSITIONS

2017 – present	Assistant Professor – Dept. of Atmospheric Sciences, School of Ocean and Earth Science and Technology, Univ. of Hawai‘i at Mānoa, Honolulu, HI
2020 – present	Affiliate Faculty – Water Resources Research Center, Univ. of Hawai‘i at Mānoa.
2015 – 2016	Postdoctoral Research Fellow – Earth Observing Lab (EOL) and Research Applications Lab (RAL), Natl. Center for Atmospheric Research (NCAR), Boulder, CO.
2009 – 2014	Graduate Research and Teaching Assistant – Dept. of Geology & Geophysics, Yale University, New Haven, CT.

PEER REVIEWED PUBLICATIONS (N = 17)

Throughout the bibliography, names of my graduate advisees are underlined, and superscripts are used to show degree type (MS or PhD).

In Review

1. Benoit, L., L. Sichoix, **A. D. Nugent**, M. P. Lucas, T. W. Giambelluca: Stochastic daily rainfall generation on tropical islands with complex topography. Submitted August 2021 to *Hydrology and Earth System Sciences*.

Published

2. Taing, C.^{MS}, K. Ackerman^{PhD}, **A. D. Nugent**, J. B. Jensen: A new instrument for observing the coarse-mode sea-spray aerosol size distribution. Accepted to *J. Atmos. Ocn. Tech.*

3. Zuo, T. ^{PhD}, A. D. Nugent, and G. Thompson, 2021: Volcanic aerosol impacts on Hawai‘i Island rainfall. *J. Atmos. Sci.*, **78**(7), 2249-2264, doi:10.1175/JAS-D-20-0260.1
4. Stuecker, M. F., C. Karamperidou, A. D. Nugent, G. Torri, S. Coats, S. Businger, 2020: Comment on “The financial dilemma of students pursuing an atmospheric science graduate degree in the United States” by Card et al. *Bull. Amer. Meteor. Soc.*, **101** (9), doi:10.1175/BAMS-D-19-0122.1
5. Benoit, L., M. Lucas, H. Tseng, Y.-F. Huang, Y.-P. Tsang, A. D. Nugent, T. Giambelluca, G. Mariethoz, 2021: High resolution observation of extreme orographic rain gradients in a Pacific Island catchment. *Front. in Earth Sci. Hydrosphere*, **8**, 585, doi:10.3389/feart.2020.546246
6. Nugent, A. D., R. Longman, C. Trauernicht, H. Diaz, M. Lucas, T. Giambelluca, 2020: Fire and rain: The legacy of Hurricane Lane in Hawai‘i. *Bull. Amer. Meteor. Soc.* **101**(6), E954 - E967, doi:10.1175/BAMS-D-19-0104.1
7. Albrecht, B., V. Ghate, J. Mohrmann, R. Wood, P. Zuidema, C. Bretherton, C. Schwartz, E. Eloranta, S. Gienke, S. Donaher, M. Sarkar, J. McGibbon, A. D. Nugent, R. A. Shaw, J. Fugal, P. Minnis, R. Paliknoda, L. Lussier, J. Jensen, J. Vivekanandan, S. Ellis, P. Tsai, R. Rilling, J. Haggerty, T. Campos, M. Stell, M. Reeves, S. Beaton, J. Allison, G. Stossmeister, S. Hall, and S. Schmidt, 2018: Cloud system evolution in the trades—CSET following the evolution of boundary layer cloud systems with the NSF/NCAR GV. *Bull. Amer. Meteor. Soc.*, **100**(1), 93 - 121, doi:10.1175/BAMS-D-17-0180.1
8. Nugent, A. D., and R. Rios-Berrios, 2018: Factors leading to extreme precipitation on Dominica from Tropical Storm Erika (2015). *Mon. Wea. Rev.*, **146**(2), 525-541, doi:10.1175/MWR-D-17-0242.1
9. Jensen, J. and A. D. Nugent, 2017: Condensational growth of drops formed on giant sea-salt aerosol particles. *J. Atmos. Sci.*, **74**(3), 679- 697, doi:10.1175/JAS-D-15-0370.1
10. Nugent, A. D., R. B. Smith, C. D. Watson, and G. Thompson, 2016: Aerosol impacts on thermally driven orographic convection. *J. Atmos. Sci.* **73**(8), 3115-3132, doi:10.1175/JAS-D-15-0320.1
11. Smith, R. B., A. D. Nugent, C. G. Kruse, D. C. Fritts, J. D. Doyle, S. D. Eckermann, M. J. Taylor, A. Doernbrack, M. Uddstrom, W. Cooper, P. Romashkin, J. B. Jensen, S. Beaton, 2016: Stratospheric gravity wave fluxes and scales during DEEPWAVE. *J. Atmos. Sci.*, **73**(7), 2851-2869, doi:10.1175/JAS-D-15-0324.1
12. Fritts, D. C., R. B. Smith, M. J. Taylor, J. D. Doyle, S. D. Eckermann, A. Dörnbrack, M. Rapp, B. P. Williams, P.-D. Pautet, K. Bossert, N. R. Criddle, C. A. Reynolds, P. A. Reinecke, M. Uddstrom, M. J. Revell, R. Turner, B. Kaifler, J. S. Wagner, T. Mixa, C. G. Kruse, A. D. Nugent, C. D. Watson, S. Gisinger, S. M. Smith, R. S. Lieberman, B. Laughman, J. J. Moore, W. O. Brown, J. A. Haggerty, A. Rockwell, G. J. Stossmeister, S. F. Williams, G. Hernandez, D. J. Murphy, A. R. Klekociuk, I. M. Reid, J. Ma, 2015: The Deep Propagating Gravity Wave Experiment (DEEPWAVE): An airborne and ground-based exploration of gravity wave propagation and effects from their sources throughout the lower and middle atmosphere. *Bull. Amer. Met. Soc.*, **97**(3), 425-453, doi:10.1175/BAMS-D-14-00269.1
13. Watson, C. D., R. B. Smith, A. D. Nugent, 2015: Processes controlling precipitation in shallow, orographic, trade-wind convection. *J. Atmos. Sci.*, **72**(8), 3051–3072, doi:10.1175/JAS-D-14-0333.1
14. Nugent, A. D., and R. B. Smith, 2014: Initiating convection in an inhomogeneous layer by uniform ascent. *J. Atmos. Sci.*, **71**(12), 4597–4610, doi:10.1175/JAS-D-14-0089.1
15. Nugent, A. D., J. R. Minder, R. B. Smith, 2014: Wind speed control of tropical orographic convection. *J. Atmos. Sci.*, **71**(7), 2695-2712, doi:10.1175/JAS-D-13-0399.1

16. Minder, J. R., R. B. Smith, **A. D. Nugent**, 2013: The dynamics of ascent-forced orographic convection in the tropics: results from Dominica. *J. Atmos. Sci.*, **70**(12), 4067–4088, doi:10.1175/JAS-D-13-016.1
17. Smith, R. B., J. R. Minder, **A. D. Nugent**, T. Storelvmo, D. J. Kirshbaum, R. Warren, N. Lareau, P. Palany, A. James, J. French, 2012: Orographic precipitation in the tropics: The Dominica Experiment. *Bull. Amer. Meteor. Soc.*, **93**(10), 1567–1579, doi:10.1175/BAMS-D-11-00194.1

NON-PEER REVIEWED WORK (N = 4)

1. **Nugent, A. D.** writer and editor for “Atmospheric Processes and Phenomenon: An ATMO 200 Companion Text”, <http://pressbooks-dev.oer.hawaii.edu/atmo/>. With contributions from S. Russell^{UG}, D. Decou^{MS}, C. Karamperidou, B. Seifert^{UG}, and J. Small Griswold.
2. **Nugent, A. D.**, and J. Cruz. 2019 and 2020: Video Blog “808 Weather with Cruz & Nuge”. Written and created by A. D. Nugent, co-starring Justin Cruz. Explores Hawaiian weather at a basic level for a general audience: <https://www.khon2.com/cruz-and-nuge/>. Filming stalled due to Covid.
3. **Nugent, A. D.**, 2017: Tiny computers are transforming weather data collection. Massive Science, <https://massivesci.com/articles/weather-science-sensors-forecasting-problems/>
4. **Nugent, A. D.**, 2017: Can Hawai‘i’s waterfall climbing fish survive when mountain rains change? Massive Science, <https://massivesci.com/articles/hawaii-waterfalls-fish-clouds-climate-change/>

CONFERENCE PRESENTATIONS (N = 60)

All conference presentations are oral presentation unless noted otherwise with a (P) for Poster. All conferences were attended in person unless noted with a (V) for Virtual. Names of my undergraduate or graduate advisees are underlined and superscripts are used to show degree type (UG, MS, or PhD).

1. **Nugent, A. D.**, C. Taing^{MS}, K. L. Ackerman^{PhD}, and J. B. Jensen (2021): Observing the Sea Salt Aerosol GCCN Size Distribution in Hawai‘i. *18th International Conference on Clouds and Precipitation*, Aug. 2-6, (V).
2. **Nugent, A. D.**, and T. Zuo^{PhD}, and K. L. Ackerman^{PhD} (2021): Considerations for Estimating Rainfall on Mountainous Subtropical Islands. *101st AMS Annual*, Jan. 10-15, (V).
3. Ackerman, K. L.^{PhD}, C. Taing^{MS}, **Nugent, A. D.**, and J. B. Jensen (2021) Observing Sea Spray in the Surf Zone; Aerosol Implications from Coastal Waves in Hawai‘i. *101st AMS Annual*, Jan. 10-15, (V).
4. **Nugent, A. D.**, C. Karamperidou, and J. Griswold (2021): A Free Online Intro-Level Atmospheric Science Textbook. *101st AMS Annual*, Jan. 10-15, (V, P).
5. Cornejo, I., A. K. Rowe, **A. D. Nugent**, and K. L. Rasmussen (2021): The Influence of Microphysical Processes in Extreme Rain Events in Complex Terrain. *101st AMS Annual*, Jan. 10-15, (V, P).
6. Zuo, T.^{PhD}, **A. D. Nugent**, K. L. Rasmussen and A. K. Rowe (2021): Extreme Rainfall in Taiwan: a rain gauge and LTOP model investigation. *101st AMS Annual*, Jan. 10-15, (V, P).
7. Ackerman, K. L.^{PhD}, C. Taing^{MS}, **Nugent, A. D.**, and J. B. Jensen (2020) Observing Sea Spray Aerosol Production in the Surf Zone. *EGU General Assembly*, May 4-8, (V).
8. Zuo, T.^{PhD}, **A. D. Nugent**, and G. Thompson (2020) Volcanic Aerosol Impacts on Orographic Precipitation in Hawai‘i. *19th AMS Mountain Meteorology*, July 13-17, (V).
9. **Nugent, A. D.**, C. Taing^{MS}, K. L. Ackerman^{PhD}, and J. B. Jensen (2020) Sea-salt Aerosols Along Orographic Coastlines. *19th AMS Mountain Meteorology*, July 13-17, (V).

10. **Nugent, A. D.**, and J. B. Jensen, C. Taing^{MS} (2020): Observation of Sea Spray Size Distribution in Hawai‘i. *100th AMS Annual*, Jan. 12-16, Boston, MA.
11. **Nugent, A. D.**, C. Karamperidou, and J. Griswold (2020): A new open educational resource for intro-level atmospheric science. *100th AMS Annual*, Jan. 12-16, Boston, MA (P).
12. Taing, C.^{MS}, J. B. Jensen, and **A. D. Nugent** (2019): Observation of sea spray aerosol size distribution in Hawai‘i. *American Geophysical Union*, Dec. 9-13, San Francisco, CA.
13. Elston, J. S., M. Stachura, L. J. Wardell, D. C. Pieri, and **A. D. Nugent** (2019): Results from the Development and Deployment of a UAS for Volcanic Plume and Surface Observation. *American Geophysical Union*, Dec. 9-13, San Francisco, CA.
14. Jensen, J. B., **A. D. Nugent**, A. Sorooshian, and W. Grabowski (2019): Giant sea salt aerosol particles (GCCN), cloud impacts, and warm rain. *American Geophys. Union*, Dec. 9-13, San Fran., CA (P).
15. **Nugent, A. D.** and D. Decou^{MS} (2019): Balanced temperature and humidity variations in the tropical marine boundary layer. *American Geophysical Union*, Dec. 9-13, San Francisco, CA (P).
16. **Nugent, A. D.**, and J. B. Jensen, C. Taing^{MS}, and T. Jones (2019): Observing sea-salt aerosol size distribution with a kite based platform. *99th AMS Annual*, Jan. 6-10, Phoenix, AZ.
17. Zuo, T.^{PhD}, and **A. D. Nugent** (2019) Volcanic Aerosol Impacts on Big Island Precipitation Development. *99th AMS Annual*, Jan 6-10 Phoenix, AZ (P).
18. **Nugent, A. D.**, C. Karamperidou, and J. Griswold (2019): A new open educational resource for intro-level atmospheric science. *99th AMS Annual*, Jan. 6-10, Phoenix, AZ (P).
19. Tseng, H., T. W. Giambelluca, J. D. Small Griswold, S. Freitag, S. G. Howell, **A. D. Nugent**, D. W. Beilman, C. Winchester, and J. K. Delay (2018): Testing alternative ground-based cloud liquid water content measurement methods for estimating cloud water interception in tropical montane cloud forests. *American Geophysical Union*, Dec. 10-14, Washington DC.
20. Yamamoto, K., J. D. Small Griswold, S. Businger, A. Pattantyus, L. Holland, **A. D. Nugent**, and A. Gettelman (2018): Aerosol-Cloud Interactions from Hawai‘i’s Kilauea Volcano. *American Geophysical Union*, Dec. 10-14, Washington DC.
21. **Nugent, A. D.**, and R. Rios-Berrios (2018): Factors leading to extreme precipitation on Dominica from Tropical Storm Erika, mesovortex and terrain interaction. *18th AMS Mountain Meteorology*, June 25-29, Santa Fe, NM.
22. **Nugent, A. D.**, G. Shigesato^{MS}, and R. Ballard (2018): Orographic precipitation on O‘ahu with operational forecasting application. *18th AMS Mountain Meteorology*, June 25-29, Santa Fe, NM. (P)
23. **Nugent, A. D.**, and R. Rios-Berrios (2018): Factors leading to extreme precipitation on Dominica from Tropical Storm Erika. *33rd AMS Hurricanes and Tropical Meteorology*, Apr. 16-20, Ponte Vedra, FL.
24. **Nugent, A. D.**, C. Karamperidou, J. Griswold (2018): Creating and using OER materials in an intro-level atmospheric science class. *98th AMS Annual*, Jan. 7-11, Austin, TX.
25. **Nugent, A. D.**, and D. Decou^{MS} (2018): Using kites for meteorological measurement. *98th AMS Annual*, Jan. 7-11, Austin, TX (P).
26. Hermann, K.^{UG}, and **A. D. Nugent** (2018): Rain Gauge Analysis of Precipitation on O‘ahu. *98th AMS Annual*, Jan. 7-11, Austin, TX (P).
27. **A. D. Nugent**, and R. Rios-Berrios (2018): Factors Leading to Extreme Precipitation on Dominica from Tropical Storm Erika (2015), *15th Asia Oceania Geoscience Society*, June 3-8, Honolulu, HI.
28. Decou, D.^{MS}, and **A. D. Nugent** (2018): Using kites for meteorological measurement of the marine boundary layer. *15th Asia Oceania Geoscience Society*, June 3-8, Honolulu, HI.
29. Shigesato, G.^{MS}, R. Ballard and **A. D. Nugent** (2018): Orographic precipitation on O‘ahu with operational forecasting application. *15th Asia Oceania Geoscience Society*, June 3-8, Honolulu (P).

30. **Nugent, A. D.**, C. Karamperidou, J. Griswold (2018): Creating and Using OER Materials in an Intro-Level Atmospheric Science Class. *15th Asia Oceania Geoscience Society*, June 3-8, Honolulu, HI.
31. **Nugent, A. D.**, and R. Rios-Berrios (2017): Factors leading to Dominica's extreme precipitation from Tropical Storm Erika. *97th AMS Annual*, Jan. 22-26, Seattle, WA (P).
32. Jensen, J. B., and **A. D. Nugent** (2017): Altitude Variability of Giant Sea-Salt Aerosol Size Distributions in the Layer Below Marine Stratocumulus Clouds over the SE Pacific during VOCALS. *97th AMS Annual*, Jan. 22-26, Seattle, WA.
33. **Nugent, A. D.** and J. B. Jensen (2016): Shallow Marine Cloud Droplet Distributions: In-Situ Field Campaign Observations and Model Parameterization Comparison. *17th International Conference on Clouds and Precipitation*, July 25-29, Manchester, England.
34. Jensen, J. B. and **A. D. Nugent** (2016): On the Observation of Giant Sea-salt Aerosol Size Distributions over the SE Pacific during the 2008 VOCALS deployment. *17th International Conference on Clouds and Precipitation*, July 25-29, Manchester, England (P).
35. Jensen, J. B. and **A. D. Nugent** (2016): Marine stratocumulus: Variability in Precipitation Rate Caused by Variability in Giant Sea-Salt Size Distributions (GCCN). *17th International Conference on Clouds and Precipitation*, July 25-29, Manchester, England.
36. **Nugent, A. D.**, and J. B. Jensen: (2016) Condensational Growth of Giant Sea Salt Aerosols and Implications for Coastal Orographic Precipitation, *17th AMS Mountain Meteorology*, June 27-July 1, Burlington, VT (P).
37. Watson, C. D., C. G. Kruse, **A. D. Nugent**, A. Takeishi, C. J. Tsai and R. B. Smith: (2016) The Occurrence and Influence of Convection in Orographic Precipitation over New Zealand, *17th AMS Mountain Meteorology*, June 27-July 1, Burlington, VT.
38. **Nugent, A. D.** (2016): Tropical Storm Erika and the Commonwealth of Dominica. *32nd AMS Hurricanes and Tropical Meteorology*, Apr. 17-22, San Juan, PR.
39. **Nugent, A. D.**, and J. B. Jensen (2016): Observation and Measurement of Shallow Marine Clouds. *96th AMS Annual*, Jan 10-14, New Orleans, LA.
40. **Nugent, A. D.**, and J. B. Jensen (2016): The remarkable condensational growth of cloud droplets grown on giant sea salt aerosols. *96th AMS Annual*, Jan 10-14, New Orleans, LA (P)
41. **Nugent, A. D.**, R. B. Smith, C. D. Watson, G. Thompson (2015): Environmental vs microphysical impacts on thermally driven orographic clouds. *Gordon Research Conference on Radiation & Climate*, July 26-31, Lewiston, ME (P).
42. **Nugent, A. D.**, C. D. Watson, G. Thompson, R. B. Smith (2015): The role of aerosols in thermally driven orographic clouds. *33rd International Conference on Alpine Meteorology*, Aug. 31-Sept 4, Innsbruck, Austria.
43. **Nugent, A. D.**, C. D. Watson, G. Thompson, R. B. Smith (2015): Controls on precipitation in thermally driven orographic clouds. *16th AMS Mesoscale Processes*, Aug. 3-6, Boston, MA.
44. Watson, C. D., C. G. Kruse, **A. D. Nugent**, A. Takeishi, C. J. Tsai and R. B. Smith (2015): The role of convection in orographic precipitation. *16th AMS Mesoscale Processes*, Aug. 3-6, Boston, MA.
45. **Nugent, A. D.**, R. B. Smith, C. D. Watson (2014): Aerosols vs. dry air entrainment in thermally driven orographic clouds. *16th AMS Mountain Meteorology*, Aug. 18-22, San Diego, CA.
46. Watson, C. D., R. B. Smith and **A. D. Nugent**, (2014): The structure of cumulus clouds above Dominica and its response to cloud-layer humidity variations. *16th AMS Mountain Meteorology*, Aug. 18-22, San Diego, CA.
47. Smith, R. B., C. D. Watson, **A. D. Nugent**, C. G. Kruse, J. D. Doyle, D. C. Fritts, S. D. Eckermann, M. Taylor, A. Doernbrack, and M. J. Uddstrom (2014): DEEPWAVE: Mountain waves in the Mesosphere. *16th AMS Mountain Meteorology*, Aug. 18-22, San Diego, CA.

48. Watson, C. D., **A. D. Nugent**, C. Kruse, A. Takeishi, R. B. Smith and (2014): Orographic precipitation in the New Zealand Southern Alps: New insight from a recent field campaign. *16th AMS Mountain Meteorology*, Aug. 18-22, San Diego, CA (P).
49. **Nugent, A. D.**, R. B. Smith, C. D. Watson, G. Thompson (2014): Aerosol and dry air entrainment impacts on thermally driven orographic clouds and the development of precipitation. *American Geophysical Union*, Dec. 15-19, San Francisco, CA (P).
50. Smith, R. B., D. C. Fritts, J. D. Doyle, S. D. Eckermann, M. J. Taylor, A. Dornbrack, M. Uddstrom, **A. D. Nugent**, C. Kruse (2014): Observing Gravity Waves from the Troposphere to the Mesosphere. *American Geophysical Union*, Dec. 15-19, San Francisco, CA (P).
51. **Nugent, A. D.**, G. Thompson, T. Eidhammer, R. B. Smith (2013): The role of aerosols in tropical orographic convection and precipitation. *15th AMS Mesoscale Processes*, Aug. 6-9, Portland, OR.
52. **Nugent, A. D.**, R. B. Smith (2013): Orographic precipitation in the tropics: Experiment on Dominica, *7th Graduate Climate Conference*, Nov. 1-3, Woods Hole, MA.
53. **Nugent, A. D.**, R. B. Smith, J. R. Minder (2012): Orographic initiation of moist convection in the tropics. *15th AMS Mountain Meteorology*, Aug. 20-24, Steamboat Springs, CO.
54. Minder, J. R., R. B. Smith, **A. D. Nugent** and D. J. Kirshbaum (2012): The Mesoscale Dynamics of Ascent-Forced Orographic Convection: Results from DOMEX. *15th AMS Mountain Meteorology*, Aug. 20-24, Steamboat Springs, CO.
55. Smith, R. B., **A. D. Nugent**, J. R. Minder, and D. J. Kirshbaum (2012): Orographic Precipitation in the Tropics: The Dominica Experiment. *15th AMS Mountain Meteorology*, Aug. 20-24, Steamboat Springs, CO.
56. **Nugent, A. D.**, R. B. Smith (2012): Orographic initiation of moist convection in the tropics (a theoretical perspective). *30th AMS Hurricanes and Tropical Meteorology*, Apr. 16-20, Ponte Vedra.
57. **Nugent, A. D.**, R. B. Smith, J. R. Minder (2011): Triggered convection and orographic precipitation in the tropics: control parameters and predictability. *14th AMS Mesoscale Processes*, Aug. 1-5, Los Angeles, CA.
58. Minder, J. R., R. B. Smith, **A. D. Nugent** and D. J. Kirshbaum (2011): The influence of mesoscale airflow dynamics on orographic convection and precipitation in the tropics. *14th AMS Mesoscale Processes*, Aug. 1-5, Los Angeles, CA.
59. **Nugent, A. D.**, R. B. Smith (2011): Understanding the variability of precipitation on tropical islands. *5th Graduate Climate Conference*, Oct. 28-30, Woods Hole, MA. (Poster)
60. **Nugent, A. D.**, R. B. Smith, (2010): Orographic precipitation in the tropics: understanding the convective environment and rainfall statistics. *14th AMS Mountain Meteorology*, Aug. 30-Sept. 3, Squaw Valley, CA.

HONORS AND MEDIA APPEARANCES

HONORS, PRIZE, AND AWARDS (N = 7)

UH Board of Regents Medal for Excellence in Teaching	2020
Nominated for UHM Service Award, AY 2017-2018	2018
Professor of the Week, University of Hawai‘i Athletics	2018
Featured in the “Name in the News” column in the Star Advertiser newspaper	2018
Estwing Hammer Prize (exceptional performance as a Yale geology graduate student)	2013
AMS Conference on Mountain Meteorology, 2 nd Place Oral Presentation Award	2012
AMS Conference on Mesoscale Processes, 1 st Place Oral Presentation Award	2011

MEDIA APPEARANCES & NEWSPAPER ARTICLES (N = 15)

Media appearances, including speaking with TV, radio, and newspaper journalists is a large part of my service and community outreach. Every opportunity I have, I speak with local news and reporters to expand the accessibility of atmospheric science to the local population. KHON2 and KITV are local TV news channels in Hawai‘i.

- 2021 Guest expert for a story about the summer 2021 heat wave on KHON2, July 12, 2021
<https://www.khon2.com/local-news/scorching-mainland-temperatures-could-be-here-to-stay/>
- 2021 Subject matter expert appearing on KHON2’s “Surviving a Storm” hurricane readiness special, June 16, 2021. <https://www.khon2.com/resources-for-severe-weather/surviving-a-storm/>
- 2021 Featured on Hawai‘i Public Radio, “Cloud Speak, What Clouds are Saying”, April 22, 2021
<https://www.hawaiipublicradio.org/arts-culture/2021-04-22/cloudspeak-what-clouds-are-saying>
- 2020 Featured guest on “Don’t Panic Geocast”, a weekly 1-hr podcast about geoscience and technology. Episode 242: “I’m a taxi driver for my students” Feb. 14, 2020
- 2020 Featured on KHON2 as Hurricane Douglas approached the state for two 2-hour segments, doing wall-to-wall commentary on the storm hazard, July 25. Note that KHON2 saved my commentary for “prime time” peak viewership time from 7-9 pm
- 2018 Featured as an expert in CNN’s Mainsail International TV show, on an episode entitled “The Role of Weather in Sailing” <http://www.cnn.com/videos/sports/2018/10/11/weather-climate-conditions-for-sailing-mainsail-vision-spt-intl.cnn>
- 2018 Featured on KHON2 as Hurricane Olivia approached the state for 3 hours, doing wall-to-wall commentary on the storm hazard, Sept. 12, 2018
- 2018 University of Hawai‘i News feature “UH atmospheric scientists share hurricane expertise”
<https://www.hawaii.edu/news/2018/08/28/uh-shares-hurricane-expertise/>
- 2018 Star Advertiser feature in the “Name in the News” column, Sept. 7, 2018
<https://www.staradvertiser.com/2018/09/07/editorial/name-in-the-news/alison-nugent-uh-associate-professor-guides-tv-viewers-through-the-science-of-hurricanes/>
- 2018 Post-Hurricane Lane interview on KHON2, Aug 26, 2018
- 2018 Cited in the New York Times newspaper, Aug 24, 2018
<https://www.nytimes.com/2018/08/24/us/hawaii-hurricane-lane-updates.html>
- 2018 **Appeared on KHON2 during Hurricane Lane for 6 hours, doing non-stop wall-to-wall commentary on the storm hazards during the closest approach of Lane, Aug 24, 2018
- 2018 Appeared on KTVU Bay Area news for commentary on Hurricane Lane
- 2018 KITV interview about the sky color and Kilauea activity
- 2017 Quartz Article about my research: “Cloud physics could be the key to understanding climate change”, <https://qz.com/1034370/the-weather-in-dominica-isnt-as-it-appears-and-the-clouds-that-form-there-could-change-our-predictions-of-climate-change/>