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Professional Interests

- history of science
- writing
- photography
- data management

Current Research Projects

- Data Rescue
 - Hurricane Surface Winds
 - Saharan Air Layer
- 1.

Recently Published Peer-Reviewed Papers

1. Zawislak, J., R.F. Rogers, S.D. Aberson, G.J. Alaka, G. Alvey, A. Aksoy, L. Bucci, J. Cione, N. Dorst, J. Dunion, M. Fischer, J. Gamache, S. Gopalakrishnan, A. Hazelton, H.M. Holbach, J. Kaplan, H. Leighton, F. Marks, S.T. Murillo, P. Reasor, K. Ryan, K. Sellwood, J.A. Sippel, and J.A. Zhang. Accomplishments of NOAA'S airborne hurricane field program and a broader future approach to forecast improvement. *Bulletin of the American Meteorological Society*, <https://doi.org/10.1175/BAMS-D-20-0174.1> 2022

Dorst, N. Book review: *Inventing atmospheric science: Bjerknes, Rossby, Wexler, and the foundations of modern meteorology*. *Physics Today*, 69(9):54, doi:10.1063/PT.3.3301 2016

Simpson, R.H., and N.M. Dorst. *Hurricane Pioneer: Memoirs of Bob Simpson*. American Meteorological Society (ISBN 9781935704751), 272 pp., 2015

Rogers, R.F., S.D. Aberson, A. Aksoy, B. Annane, M. Black, J.J. Cione, N. Dorst, J. Dunion, J.F. Gamache, S.B. Goldenberg, S.G. Gopalakrishnan, J. Kaplan, B.W. Klotz, S. Lorsolo, F.D. Marks, S.T. Murillo, M.D. Powell, P.D. Reasor, K.J. Sellwood, E.W. Uhlhorn, T. Vukicevic, J.A. Zhang, and X. Zhang. NOAA's Hurricane Intensity Forecasting Experiment (IFEX): A progress report. *Bulletin of the American Meteorological Society*, 94(6):859-882, doi:10.1175/BAMS-D-12-00089 2013

Kruczynski, W.L., P.J. Fletcher, and N. Dorst. Hurricanes and tropical storms are regular features in south Florida. In *Tropical Connections: South Florida's Marine Environment*, W.L. Kruczynski and P.J. Fletcher (eds.). IAN Press, University of Maryland Center for Environmental Science, Cambridge, MD, 44-45, 2012

Dorst, N.M. The National Hurricane Research Project: 50 years of research, rough rides, and

name changes. Bulletin of the American Meteorological Society, 88(10):1566-1588,
doi:10.1175/BAMS-88-10-1566 2007

Dorst, N.M., and E. Rule. Fifty years of NOAA hurricane research. Mariners Weather Log, 51(1):10-13, 2007

Powell, M.D., G.A. Soukup, S. Cocke, S. Gulati, N. Morisseau-Leroy, S. Hamid, N.M. Dorst, and L. Axe. State of Florida hurricane loss projection model: Atmospheric science component. Journal of Wind Engineering and Industrial Aerodynamics, 93(8):651-674,
doi:10.1016/j.jweia.2005.05.008 2005

Black, P.G., R.W. Burpee, N.M. Dorst, and W.L. Adams. Appearance of the sea surface in tropical cyclones. Weather and Forecasting, 1(1):102-107,
doi:10.1175/1520-0434(1986)001<0102:AOTSSI>2.0.CO;2 1986

Friedman, H.A., C.A. Arnholz, N.M. Dorst, C.J. Nelson, and W.J. Brown. Airborne research meteorological data collected by the National Hurricane Research Laboratory (Hurricane Research Division/AOML) during the 1982-1983 hurricane seasons: Inventory and availability. NOAA Data Report, ERL-AOML-3, 168 pp., 1984

Awards and Honors

October 2014

NOAA Employee of the Month

December 2004

DOC Bronze Medal (group award)

G-IV surveillance flights into Hurricane Isabel 2003

November 2004

NOAA Employee of the Month