Nathan Wendt

Mesoscale Assistant / Fire Weather Forecaster
Storm Prediction Center

Nathan Wendt was named a Mesoscale-Assistant and Fire Weather Forecaster in 2018. He previously worked for three years in the SPC's Science Support Branch through the University of Oklahoma Cooperative Institute for Mesoscale Meteorological Studies (CIMMS).

Wendt specializes in development and model verification work to improve forecasts of severe weather. He led a Research to Operations (R2O) model initiative focused on simulated supercells evaluated in the NOAA Hazardous Weather Testbed and implemented in model diagnostics available for forecaster use. He also works in software development and high-performance computing.

His research interests include: forecast verification, particularly hail; supercell storm interactions and impact on storm severity; the veer-back hodograph profile and impact on expected severe hazards; increasing performance and efficiency of forecasting and data analysis tools; and data extraction from forecast models.

He presented his research at the past three American Meteorological Society Severe Local Storms Conferences and has lead-authored a formal peer-reviewed article in the *Weather and Forecasting* journal.

He has created a web-based tool specifically to help graphically communicate forecasts for social media and has led efforts for developing forecast tools accessible on-line.

Wendt earned a bachelor's degree in psychology from the University of Wisconsin - La Crosse in 2006, about which he says, "People are complex, much like the atmosphere. These complexities still drive my curiosity in understanding how people work. Furthermore, people skills are incredibly and ubiquitously useful." He also earned a bachelor's degree in atmospheric science from the University of Kansas in 2013, and a master's degree in atmospheric science from the University of Illinois in 2015.

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