

Wallace Hogsett, Ph.D.

Science & Operations Officer National Hurricane Center

Wallace Hogsett, Ph.D., is the Science and Operations Officer (SOO) within the Technology and Science Branch (TSB) at NOAA's National Hurricane Center in Miami, FL. As the SOO, Dr. Hogsett is responsible for overseeing the transfer and infusion of the latest science and technology from research into operations (R2O). This role includes serving as the Director of the Hurricane and Ocean Testbed (HOT) and interacting with stakeholders across the weather enterprise.

Dr. Hogsett was born and raised in Texas and earned his academic degrees from the University of Oklahoma (B.S. 2003) and the University of Maryland (Ph.D. 2010). His research focused on numerical modeling of hurricanes, particularly the small-scale inner-core processes and their role in hurricane intensity changes.

Dr. Hogsett began his postdoctoral career at NHC in 2010, where he shifted focus from academic research toward operational applications. As a Techniques Development Meteorologist within TSB, he developed a novel suite of model diagnostics for use by NHC forecasters.

In 2012 he returned to Washington DC as the SOO at the Weather Prediction Center, where he focused on the infusion of new techniques for winter weather and extreme rainfall operational forecasts. These R2O activities involved participants from the entire weather enterprise - government, academia and private sector - and focused on testing new probabilistic forecast techniques in a quasi-operational setting. These efforts resulted in several new and enhanced operational products.



In 2014, Dr. Hogsett left NOAA to continue his career in the private sector. His roles included Chief Science Officer at Athenium Analytics, Client Executive at Risk Management Solutions (RMS), and Director of Solutions Engineering at Tomorrow.io. A common thread among all his private sector roles was enabling governments, businesses and individuals to effectively manage weather-related risk - a complex multi-disciplinary challenge involving the physical sciences, technology, communication and decision-making. Dr. Hogsett returned to NHC in November 2021 and brings a passion for enabling those at risk of weather hazards to make the right decisions at the right time.

Dr. Hogsett has authored numerous scientific publications related to hurricanes and numerical modeling, and served for many years as Assistant Editor for the AMS Weather and Forecasting (WAF) Journal, for which he was awarded the AMS Editor's Award in 2014. Dr. Hogsett and his wife live with their two cats in Hollywood, FL. When he's not at NHC, you can likely find Dr. Hogsett fishing, at the beach, or both.

