

ALLEN J. BECKER

Certified Consulting Meteorologist

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EXPERT WITNESS

- Certified Consulting Meteorologist (American Meteorological Society, CCM #704).
- Court testimony and/or depositions in 38 cases involving weather conditions (1992-2026).
- Analysis and reporting in over 160 cases involving severe weather, wind, precipitation, ice, hail, temperature, and moisture conditions for personal injury and structural failure cases (1992-2026).
- Testimony as expert meteorologist in mock jury trial (for CLE credits), co-produced by State Bar of Wisconsin and the Wisconsin Chapter of the American Board of Trial Advocates (ABOTA) (2014).
- Lead meteorology expert for Robert Habush, Habush Habush & Rottier, S.C., Big Blue Crane collapse at Miller Park, Milwaukee (1999-2000).
- Wind flow modeling and data processing for Richmond, California toxic cloud incidents (1993-94, 1999), for Unocal Oil Refinery long-term releases (1994-1996), and for Tosco Oil Refinery releases (1996-99).

METEOROLOGICAL CONSULTING

- Twenty+ years of professional experience in wind energy meteorology. Wind energy resource assessments, wind turbine micro-siting (United States, Italy, Mexico, Nicaragua, offshore, and Honduras), database management, meteorological tower data analysis, and power performance testing, with Richard Simon, MS, Windots, LLC and V-Bar, LLC (1996-2012). Independent wind resource assessment and consulting (2013-2019).
- Development of a PC-based wind analysis and display system for National Weather Service Cooperative Program for Operational Meteorology (COMET), with Doug Sinton, Ph.D., Frank Ludwig, Ph.D., and Peter Lester, Ph.D. (1991-93).
- Analysis of aircraft turbulence incidents, with Peter Lester, Ph.D. (1986-87).
- Field study of winds in California, with Richard Simon, MS: Operated and maintained weather instruments, coordinated observations; statistical analyses (1984-85).

PUBLICATIONS

- Applications of a diagnostic wind model to stratus forecasting for aircraft operations in the San Francisco Bay region. Preprints, Seventh Conf. on Aviation Weather Systems, Long Beach, CA, Amer. Meteor. Soc., J29-J32, 1997. With F. Ludwig, D. Sinton, and W. Strach.
- An on-line diagnostic wind model applied to the San Francisco Bay region. Preprints, 13th Int. Conf. on Interactive Information and Processing Systems (IIIPS) for Meteorology, Oceanography, and Hydrology, Long Beach, CA, Amer. Meteor. Soc., J25-J27, 1997. With R. T. Cheng, J. Feinstein, F. Ludwig, and D. M. Sinton.
- Evaluation of the WOCSS Wind Analysis Scheme for the San Francisco Bay Area, Journal of Applied Meteorology, October 1994. With A. Bridger, F. Ludwig, and R. Endlich.
- User's Manual for Realtime Mesoscale Analysis and Display System. Report to National Weather Service, 1994. With F. Ludwig and D. Sinton.
- Meteorological Analyses for the Richmond Toxic Cloud Release of 26 July 1993. Report to Litigation Committee and Walt Dabberdt Associates, 1994. With F. Ludwig and R. Endlich.
- Performance of the "Winds on Critical Streamline Surfaces (WOCSS) Model" in simulating San Francisco Bay Area wind flows. Report to Bay Area Air Quality Management District, 1989. With A. Bridger.

COLLEGE FACULTY

- 13 years' experience teaching meteorology courses (general meteorology, aviation meteorology, cloud physics, climatology, online coursework, and computers in meteorology). University of Wisconsin (Milwaukee), 1999-2000, San Jose State University, California, 1988-98. Foothill and De Anza Community Colleges, Cabrillo Community College, California, 1991-98. Summer training programs for National Weather Service forecasters, 1987-92.

EDUCATION

- MS Meteorology, San Jose State University, May 1992. GPA: 3.9/4.0. Courses included: Numerical Modeling, Boundary Layer Meteorology, and Research Methods. Master's Thesis: "Implementation of a Mesoscale Boundary Layer Wind Model in the San Francisco Bay Area." Alumni Association Scholarship, SJSU, April 1988.
- BS Meteorology, San Jose State University, May 1987, with honors. GPA (major): 3.6/4.0. Senior Thesis: "Sounding Analysis Technique for Prediction of Clear Air Turbulence." Dean's Scholar, School of Science, SJSU, 1986-87. Department of Meteorology (SJSU): Gary Quinby Award for Service (May 1987).

PROFESSIONAL SOCIETIES

- American Meteorological Society: Member 1985-2026.
- American Wind Energy Association: Business Member 2004-2015.
- San Jose State University Student AMS Chapter: President 1986-87, Secretary/Treasurer. 1985-86.