

David B. Spiegler,
Certified Consulting Meteorologist (CCM)
and *Fellow* of the American Meteorological Society (AMS)

Mr. Spiegler has more than 40 years of proven experience in providing expertise across a broad spectrum of activities involving meteorology, climatology, and the environment. Since 1991, he has provided expert analysis and testimony for more than 60 law firms and insurance companies on weather-related legal and insurance claims. The forensic meteorological expert services include weather data analysis and interpretation, weather event reconstruction, site evaluations, written reports, expert testimony, and cross examination advice. Mr. Spiegler has worked on cases in a number of states. He has testified in district and superior courts and at arbitration hearings and environmental regulatory hearings. He has always been found to be qualified.

Cases that he has been involved in range from slip and fall accidents to motor vehicle, boating, and aircraft accidents to wrongful death cases, as well as cases for which damage to -- or loss of -- property from high winds, heavy rain, snow/ice, flooding, and ocean waves occurred. *In 2005, Mr. Spiegler performed a detailed analysis of the impact of Hurricane Katrina on a hospital in Metairie, LA and in 2006 he provided expertise regarding the impacts of Hurricanes Frances and Jeanne on property in Palm Beach Gardens, FL. He has recently prepared a report on the impacts of Hurricanes Katrina, Rita, and Wilma on property in south Florida.* Other cases include: issues about "abnormal and unforeseeable weather", frequencies of precipitation amounts in various categories for specific locations, lightning strikes – locations and times, and visibility related to weather factors that limit visibility. For all of these cases, he acquired, analyzed, and interpreted the weather data, reconstructed the weather at the time and location of the accident, incident, and/or damage or loss, and provided expert opinion of the impact of the weather factor on the event. Services have been performed for both defendants and plaintiffs.

Mr. Spiegler's other professional experience includes:

- Development of weather and climate information for business planning and operations;
- Research and technique development in the atmospheric and environmental sciences;
- Management and technical direction for multi-disciplinary programs including automated weather information systems, and operational weather analysis and prediction programs;
- Business development, including technical marketing, and proposal management;
- Meteorological systems engineering including preparation of system specifications for weather information and weather data acquisition systems.
- Product management for weather broadcast media services and marine services.

Mr. Spiegler has published over 75 technical papers and reports. Papers in professional journals including: *Journal of Applied Meteorology*, *Monthly Weather Review*, *Bulletin of the AMS* and *Weatherwise*, as well as numerous presentations at technical conferences and symposia. He is also a peer reviewer for professional journals including, *Monthly Weather Review*, *Weather and Forecasting*, and *Bulletin of the AMS*. And he was an invited speaker for AMS 75th Anniversary meeting on "A History of Private Sector Meteorology" (Jan. 1995) and authored a chapter on the same subject for a book on a history of meteorology in the 20th century in the United States published in 1996 by the AMS. He recently (2006) performed a survey for the AMS on the current state of the private sector in meteorology. (Published in the *Bulletin of the American Meteorological Society*, Vol. 88, No. 8 August 2007) Mr. Spiegler is a *Fellow of the AMS*.

Education: M. S., Meteorology, New York University; Courses towards Ph.D.
B. S. Meteorology, New York University

Employment

Principal Meteorologist/Climatologist, DBS Weather Impact Corp., Delray Beach, FL
Consulting Meteorologist, The MITRE Corporation, Bedford, MA
Technical Director, and Manager, Applied Meteorological Services, ERT, Inc. Concord, MA
Senior Research Scientist, Allied Research Associates, Inc. Concord, MA
Research Scientist, Travelers Research Center, Hartford, CT

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Mr. Spiegler is President and Founder of DBS Weather Impact Corp (DBS/WIC), (formerly DBS Associates, Inc. (DBS)). He has more than 40 years of proven experience in:

- Preparing expert testimony for clients for weather related legal proceedings and at environmental regulatory hearings;
- Management and technical direction for multi-disciplinary programs including design of automated weather and environmental information systems, and operational weather analysis and prediction programs;
- Business development, including technical marketing, proposal management and preparation, strategic planning, market surveys, and design and text for promotional material;
- Applied research and technique development in the atmospheric and environmental sciences, including air quality analysis and prediction research;
- Meteorological systems engineering including preparation of system specifications for weather information and weather data acquisition systems;
- Development of weather and climate information for business planning and operations
- Product management for weather broadcast media services and marine services

At DBS/WIC, Mr. Spiegler directs the business areas that include weather, climate, and environmental information products, services, studies, systems, and forensic meteorology. In the past several years he has *consulted with more than 60 law firms and insurance companies on weather related legal and/or insurance claims*. For the period from 1991 through the present, he was the senior author of 18 major reports for large corporations. In 2005, Mr. Spiegler performed a *detailed analysis of the impact of Hurricane Katrina on a hospital in Metairie, LA* for an engineering firm and in 2006 he provided expertise to a Florida law firm regarding *the impacts of Hurricanes Frances and Jeanne on property in Palm Beach Gardens, FL*. In 2008, he prepared a report on the impacts of *Hurricanes Katrina, Rita, and Wilma on property in south Florida*.

From 1981-90, Mr. Spiegler was a *Consulting Meteorologist* on the technical staff at The MITRE Corporation. At MITRE, he was the key system meteorologist to develop technical specifications for the Automated Weather Distribution System for the United States Air Force (USAF). Mr. Spiegler also founded DBS Associates in 1985 to develop weather and climate publications for the broadcast industry and to provide forensic meteorological services for the legal profession and the insurance industry.

Prior to MITRE, Mr. Spiegler held various senior level management positions during an 8-year period at Environmental Research and Technology, Inc. (ERT, now ENSR) including *Technical Director/Product Manager* for Applied Meteorological and Oceanographic Services. He managed four major programs and business development activities, including operational weather and marine prediction for the broadcast media, shipping industry, and offshore oil exploration.

While at ERT, Mr. Spiegler was also *Chief Scientist* and *Division Manager* for Applied Meteorology where he directed and coordinated all operational and research programs related to meteorological air quality analysis and prediction. It included the management, supervision, and preparation of nearly 100 technical reports; expert testimony before regulatory agencies on meteorological and air pollution conditions; *management of the Air Monitoring, Analysis, and Prediction (AIRMAP[™]) system*, and *Editor of the AIRMAP[™] Newsletter* sent to ERT clients and potential clients.

David B. Spiegler, CCM and Fellow of the AMS
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Prior to ERT, Mr. Spiegler was a *Senior Scientist* at Allied Research Associates, Inc. (ARA) where he was Program Manager for development of four-dimensional (4-D) models of the atmosphere from surface through the stratosphere. NASA has used and is still using, the 4-D model results in the planning of the space program, more than 30 years after it was developed. He also formulated and carried out the research for characteristics of cyclones over tropical and subtropical waters, and pioneered the concept and description of a new cyclone category - the semitropical cyclone.

Before joining ARA, Mr. Spiegler spent nine years as a *Research Scientist* at the Travelers Research Center, Inc. (TRC) where he managed projects in four major areas: Atmospheric prediction model development, environmental systems studies, weather modification studies and numerical analysis and evaluation studies. He developed automated analysis and prediction techniques for the jet stream, and for prediction of snowstorms along the Atlantic seaboard - both of which were used operationally by military and government forecasters.

Mr. Spiegler has published over 75 technical papers and reports. Papers in professional journals including: *Journal of Applied Meteorology*, *Monthly Weather Review*, *Bulletin of the AMS* and *Weatherwise*, as well as numerous presentations at technical conferences and symposia.

EDUCATION

M. S., Meteorology, New York University; Courses towards Ph.D.
B. S. Meteorology, New York University

MEMBERSHIPS

Fellow, American Meteorological Society (AMS)
Certified Consulting Meteorologist (CCM) of the AMS
Member, National Council of Industrial Meteorologists
Board Member, Private Sector Board: 1997 - 2000
Chairman, Oversight Committee for a Career Guide for the Atmospheric Sciences, 1997 -1999
Board Member, Board for Certified Consulting Meteorologists: 1989-94; Chairman: 1992
Member, Committee on Weather Analysis and Forecasting: 1984-90
Member, Admissions Committee: 2003 -2008, 1983-87, Chairman 1987;
Chairman, ad hoc committee on enhancing CCM program: 1984-86
Board Member, Board of Industrial Meteorology, 1981-83
Board Member, Board on Meteorological Education: 1976-78
Lifetime Member, National Registry of *Who's Who in America*

OTHER PROFESSIONAL ACTIVITIES

Peer Reviewer for professional journals including, *Monthly Weather Review*, *Weather and Forecasting*, and *Bulletin of the AMS*.

Invited speaker for AMS 75th Anniversary meeting on "A History of Private Sector Meteorology" (Jan.1995). Author of chapter on the same subject for a book on a history of meteorology in the 20th century in the United States published in 1996 by the AMS. He recently (2006) performed a survey for the AMS on the current state of the private sector in meteorology. (Published in the *Bulletin of the American Meteorological Society*, Vol. 88, No. 8 August 2007)

