

Tim Coleman, PhD

Consulting Meteorologist at Coleman & Knupp LLC

Coleman & Knupp, LLC

University of Alabama in Huntsville

Birmingham, Alabama

I provide expert testimony and weather data analysis for attorneys, engineers, and other professionals through my company, Coleman and Knupp, LLC. I am a meteorologist with experience working for the National Weather Service, in television broadcast meteorology, in atmospheric research, teaching, and providing meteorological consulting services.

Coleman and Knupp, LLC can produce reports, data, research, and analysis, expert testimony in litigation, and any other weather-related information. Some specific areas in which we can provide information include lightning, rainfall/flooding, wind damage, hail damage, temperature/humidity, visibility/fog, and landfalling hurricanes.

Experience

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The logo for Coleman & Knupp, LLC is a blue rectangular box with the company name in white, serif, all-caps font.

Consulting Meteorologist

Company Name Coleman & Knupp, LLC

Dates Employed Apr 2009 – Present

Employment Duration 8 yrs 6 mos

Location Birmingham, Alabama Area

Perform meteorological consulting services, including expert testimony, in a variety of cases involving the following:

- Flooding
- Lightning
- Automobile accidents

- Aircraft accidents
- Wind damage

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Research Meteorologist

Company Name University of Alabama in Huntsville

Dates Employed Aug 2005 – Present

Employment Duration 12 yrs 2 mos

Location Huntsville, Alabama Area

Research of atmospheric processes, including the following:

- Effects of friction, topography, and wind channeling on tornadoes
- Atmospheric gravity waves
- Dynamics of wake lows and associated wind damage
- Extensive analysis of datasets including single- and multiple-Doppler radar data, microwave profiling radiometer data, wind profiler data, lidar ceilometer data
- On-site training for operational meteorologists in many cities in the eastern U.S., including multiple National Weather Service offices

Have also served as adjunct faculty, teaching the following:

- ATS 690, Atmospheric Waves
- ATS 651, Atmospheric Fluid Dynamics II
- ATS 551, Atmospheric Fluid Dynamics I (taught half of course)
- Fill-in teaching for regular faculty member for ATS 541, Atmospheric Thermodynamics

Additional academic service:

- Service on the committees of 2 Master's/PhD students
- Reviewer for The Quarterly Journal of the Royal Meteorological Society, The Journal of Applied Meteorology and Climatology, and The Electronic Journal of Operational Meteorology

Media coverage of research performed at UAH:

- The Weather Channel Live Interview, April 2010
- The Birmingham News (front page)
- The Tuscaloosa News
- The Cleburne Times
- Science@NASA national newsletter

- Interviewed by American Institute of Physics about dissertation work for nationally-syndicated TV news story, to be distributed to 62 local TV stations in the U. S. and Canada
- Weatherbrains.com (podcast)
- The Alabama Radio Network
- Physorg.com, terradaily.com, talkweather.com, nwas.org, al.com, newsrx.com, newswise.com, wwua.com

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On-Air Meteorologist

Company Name WIAT TV

Dates Employed Aug 2001 – Jul 2004

Employment Duration 3 yrs

Location Birmingham, Alabama Area

- Began as fill-in meteorologist, then became full-time weekend meteorologist in 2003
- Promoted to Chief Meteorologist in 2003
- Prepared and presented weathercast for 5:00, 6:00, and 10:00 pm newscasts, and provided special coverage during severe weather events

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Actuarial Analyst

Company Name Infinity Insurance

Dates Employed Feb 2001 – May 2003

Employment Duration 2 yrs 4 mos

Location Birmingham, Alabama

Performed data analysis to produce evidence for insurance rate changes. Passed first actuarial exam.

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Meteorologist/Student Aide - NWS

Company Name NOAA

Dates Employed Apr 1991 – Dec 2000

Employment Duration 9 yrs 9 mos

Location Birmingham, Alabama Area

- Broadcast weather conditions, forecasts, and warnings on NOAA Weather Radio
- Wrote weather summaries and nowcasts for broadcast on weather radio
- Prepared forecasts for the public, aviation, forestry, and agriculture
- Involved in warning decision process

Education

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University of Alabama in Huntsville

Degree Name Doctor of Philosophy (PhD)

Field Of Study Atmospheric Sciences and Meteorology

Dates attended or expected graduation 2005 – 2008

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University of Alabama in Huntsville

Degree Name Master of Science (MS)

Field Of Study Atmospheric Sciences and Meteorology

Dates attended or expected graduation 1998 – 2000

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Samford University

Degree Name Bachelor of Science (BS)

Field Of Study Physics, Mathematics

Dates attended or expected graduation 1992 – 1996