

15th Annual High Plains AMS/NWA Conference

August 4-6, 2011

Wichita, Kansas

Conference Agenda

The conference will be held at the Wichita Marriott

Thursday, August 4, 2011

11:30 am – Noon	Conference Registration – Wichita Ballroom
Noon – 12:10 pm	Welcome to the 15th Annual High Plains Conference from the Wichita AMS Chapter President – Jerilyn Billings
Session 1	Brad Ketcham, Session Chair
12:10 pm – 1:10 pm	<u>Keynote Address</u> THE ANDOVER TORNADO – THE START OF THE DOPPLER ERA IN STORM WARNINGS <i>Mike Smith, WeatherData Inc.</i>
1:10 pm – 1:20 pm	BREAK
1:20 pm – 1:40 pm	1.1 Innovative Decision Support Services for the 27 February 2011 Wildfire Outbreak across the Texas Panhandle <i>Michael Scotten, NOAA/NWS Amarillo, TX</i>
1:40 pm – 2:00 pm	1.2 Record Kansas Hail and the Power of Social Media <i>Scott Blair & Jared Leighton, NOAA/NWS Topeka, KS</i>
2:00 pm – 2:20 pm	1.3 Preliminary Study: An Assessment of Hazardous Weather Impact on Traffic Flow in the Kansas City Metropolitan Area <i>Suzanne Fortin, Adam Jones & Matthew Dux, NOAA/NWS Pleasant Hill, MO</i>
2:20 pm – 2:40 pm	1.4 Review of the June 9th, 2011 Nocturnal Heat Burst that Affected the Wichita Metropolitan Area <i>Kevin Darmofal, NOAA/NWS Wichita, KS</i>
2:40 pm – 3:00 pm	1.5 Reaching and Protecting Spanish Speaking Communities <i>Vanessa Pearce, NOAA/NWS Wichita, KS</i>
3:00 pm – 3:20 pm	BREAK
3:20 pm – 3:40 pm	1.6 A Tale of Two Stones: Comparison of the 22 Jun 2003 Aurora, Nebraska and 15 Sep 2010 Wichita, Kansas Hailstorms <i>Paul Howerton, NOAA/NWS Wichita, KS</i>
3:40 pm – 4:00 pm	1.7 A Radar-Based Assessment of the Detectability of Giant Hail <i>Scott Blair, Jared Leighton, Brian Barjenbruch, & William Gargan, NOAA/NWS Topeka, KS; Derek Deroche, NOAA/NWS Pleasant Hill, MO; Joshua Boustead, NOAA/NWS Omaha/Valley, NE</i>
4:00 pm – 4:20 pm	1.8 A Comparison of Sounding-Derived Hail Parameters from Observed and NARR Proximity Soundings <i>Aaron Johnson, NOAA/NWS Dodge City, KS</i>
4:20 pm – 4:40 pm	1.9 A New Medium Range Forecast Methodology for NWS Central Region Grid-based Forecasts <i>Pete Browning, NOAA/NWS Central Region Headquarters, Kansas City, MO</i>
4:40 pm – 5:00 pm	ASSEMBLE FOR GROUP PHOTO!
5:00 pm	High Plains Chapter of the AMS Meeting

15th Annual High Plains AMS/NWA Conference

August 4-6, 2011

Wichita, Kansas

Conference Agenda

The conference will be held at the Wichita Marriott

Friday, August 5, 2011

7:30 am – 8:00 am	BREAKFAST – Included in registration fee
8:00 am - 8:10 am	Announcements by Wichita AMS Chapter President – Jerilyn Billings
Session 2	Aaron Johnson, Session Chair
8:10 am – 9:10 am	<p style="text-align: center;"><u>Keynote Address</u></p> <p style="text-align: center;">CENTRAL UNITED STATES INTERACTIVE EFFECT OF SOLAR RADIATION RELATED TO: THE EARTH'S MAGNETIC FIELD, THE STORAGE SYSTEM OF THE EARTH'S ATMOSPHERE, SURFACE TEMPERATURES AND TORNADOES</p> <p style="text-align: center;"><i>Dr. Cliff House, Faculty Emeritus, Missouri State University</i></p>
9:10 am – 9:20 am	BREAK
9:20 am – 9:40 am	2.1 Overview of a Heavy Rain/Snow Event in the Southern Texas Panhandle on November 11-12, 2010 <i>Christine Krause, NOAA/NWS Amarillo, TX</i>
9:40 am – 10:00 am	2.2 Ranking the 2009 Christmas Blizzard Using Standardized Anomalies <i>Jared Leighton, NOAA/NWS Topeka, KS & Barbara Mayes, NOAA/NWS Omaha/Valley, NE</i>
10:00 am – 10:20 am	2.3 Meteorological Factors Critical to the 8 February 2011 Heavy Snow Across Central Kansas <i>Kenneth Cook, NOAA/NWS Wichita, KS</i>
10:20 am – 10:40 am	2.4 The Hydrometeorological Prediction Center Winter Weather Desk and Winter Weather Experiment <i>Dan Petersen, David Novak, & Keith Brill, NOAA/NWS Hydrometeorological Prediction Center, Camp Springs, MD</i>
10:40 am – 11:00 am	BREAK
11:00 am – 11:20 am	2.5 Heat Stress in Feedlot Cattle: Steps to Reduce the Losses <i>Tami Brown-Brandl & Roger Eigenberg, USDA/Agricultural Research Service, Clay Center, NE; Scott Bryant, NOAA/NWS Hastings, NE</i>
11:20 am – 11:40 am	2.6 Exploring the Relevance of Cattle Heat Stress and a Review of Past Heat Waves: <i>Scott Bryant, NOAA/NWS Hastings, NE & Tami Brown-Brandl, USDA/Agricultural Research Service, Clay Center, NE</i>
11:40 am – Noon	2.7 The Global Climatic Effects of Plinian Volcanic Eruptions <i>Eric Schminke, NOAA/NWS Wichita, KS</i>
Noon – 1:00 pm	LUNCH – Included in registration fee

15th Annual High Plains AMS/NWA Conference

August 4-6, 2011

Wichita, Kansas

Conference Agenda

The conference will be held at the Wichita Marriott

Friday, August 5, 2011

1:00 pm – 1:05 pm	Announcements by Wichita AMS Chapter President – Jerilyn Billings
Session 3	Jim Johnson, Session Chair
1:05 pm – 2:05 pm	<u>Keynote Address</u> VORTEX2 AFTER THE DUST HAS SETTLED: SUMMARY AND RESULTS <i>Don Burgess, OU/CIMMS and VORTEX2</i>
2:05 pm – 2:20 pm	BREAK
2:20 pm – 2:40 pm	3.1 What is Dual-Polarization Radar and What Can It Do For Me? Part 1 <i>Clark Payne, Warning Decision Training Branch, Norman, OK</i>
2:40 pm – 3:00 pm	3.2 What is Dual-Polarization Radar and What Can It Do For Me? Part 2 <i>Jerilyn Billings, NOAA/NWS, Wichita, KS</i>
3:00 pm – 3:20 pm	3.3 C-band Dual-Polarimetric Radar Signatures of Hail: <i>Matthew Anderson, NOAA/NWS Topeka, KS; Lawrence Carey & Kevin Knupp, University of Alabama in Huntsville; Walter Peterson, NASA Marshall Space Flight Center</i>
	3.4 The Dual-Pol Investigation into the Canton Lake, OK Supercell of 24 May 2011: <i>Stephanie Dunten & Kenneth Cook, NOAA/NWS Wichita, KS</i>
3:20 pm – 3:40 pm	BREAK
3:40 pm – 4:00 pm	3.5 Dual-Polarization Assessment of Spring 2011 Central/Southern Plains Large Hail: A Warning Decision-Makers Perspective <i>Andrew Kleinsasser, NOAA/NWS Wichita, KS</i>
4:00 pm – 4:20 pm	3.6 Operational Use of Dual-Pol Doppler Radar data at the National Weather Service in Wichita, Kansas <i>Chris Jakub & Bradley Ketcham, NOAA/NWS Wichita, KS</i>
4:20 pm – 4:40 pm	3.7 A Comparison of Polarimetric Radar QPE to Gauges and Legacy Radar Rain Estimates <i>Mick. McGuire, NOAA/NWS Wichita, KS</i>
4:45 pm – 5:15pm	POSTER SESSION
After Hours Banquet	
6:30 pm – 7:30 pm	Cocktail Hour with Cash Bar – Wichita Marriott Atrium
7:30 pm – 8:00 pm	DINNER
8:00 pm – 9:00 pm	<u>Keynote Address</u> A PHOTOGRAPHER'S JOURNEY: 20 YEARS OF STORM CHASING <i>Jim Reed</i>

15th Annual High Plains AMS/NWA Conference

August 4-6, 2011

Wichita, Kansas

Conference Agenda

The conference will be held at the Wichita Marriott

Saturday, August 6, 2011

7:30 am - 8:00 am	BREAKFAST – Included in registration fee
8:00 am - 8:05 am	Announcements by Wichita AMS Chapter President – Jerilyn Billings
Session 4	Rick Ewald, Session Chair
8:05 am – 9:05 am	<u>Keynote Address</u> INSIDE VORTEX2 Tim Marshall, Haag Engineering Company
9:05 am – 9:20 am	BREAK
9:20 am – 9:40 am	4.1 A Study of Convective Initiation Failure on 22 October 2004 <i>Jennifer Laflin & Philip Schumacher, NOAA/NWS Sioux Falls, SD</i>
9:40 am – 10:00 am	4.2 Storm-scale Ensemble Hindcast of the 17 June 2010 Upper Midwest Tornado Outbreak: <i>Tom Hultquist, NOAA/NWS Minneapolis, MN</i>
10:00 am – 10:20 am	4.3 Evolution and Maintenance of the 22-23 June 2003 Nocturnal Convection during BAMEX: <i>Jerilyn Billings, NOAA/NWS Wichita, KS</i>
10:20 am – 10:40 am	4.4 The June 2011 Western Kansas Severe Convective Wind Episodes: <i>Marc Russell, NOAA/NWS Dodge City, KS</i>
10:40 am – 11:00 am	BREAK
11:00 am – 11:20 am	4.5 Forecasting Probabilities of Precipitation for the Goodland Area using a Neighborhood Approach: <i>Christopher Schaffer, NOAA/NWS Goodland, KS</i>
11:20 am – 11:40 am	4.6 Horizontal Roll Vortices in the Plains: <i>Dr. Nathaniel Reynolds, Boeing and Spirit AeroSystems, Wichita, KS</i>
11:40 am – Noon	Closing Comments
Noon – 3:00 pm	STORM CHASER MEET & GREET – Wichita Marriott Parking Lot