

2025 High Plains AMS/NWA Conference

February 13, 2025 - Dodge City, Kansas

Conference Agenda

The conference will be held in the conference room at the Best Western Plus Country Inn. All times are in CST.

Thursday, February 13, 2025

7:30 am – 8:00 am	CONFERENCE ARRIVAL
8:00 am – 8:05 am	INTRODUCTION
Session I	Aaron Johnson, Session Chair
8:05 am – 8:20 am	1.1 Identification and Analysis of “Hybrid” Tornadoes using Doppler Radar <i>Gage Gibson, Metropolitan State University of Denver</i>
8:20 am – 8:35 am	1.2 The Portable Local Lightning and Weather Apparatus <i>Annicka Hennigan, Metropolitan State University of Denver</i>
8:35 am – 8:50 am	1.3 Total Column Ozone and Its Interactions with Polar Vortices as a Result of Sudden Stratospheric Warming Events <i>Alexander Turner, Metropolitan State University of Denver</i>
8:50 am – 9:05 am	1.4 Societal Impacts of Climate Change in the Great Plains <i>Chyna Varner, Metropolitan State University of Denver</i>
9:05 am – 9:20 am	1.5 A Seasonal, Spatial, and Temporal Analysis of Significant Wind Driven Hail (SWDH) <i>JD Heaton, Metropolitan State University of Denver</i>
9:20 am – 9:35 am	1.6 Evaluating Bias in Severe Hail Reports During Ongoing Tornadoes <i>Aaron W. Johnson, NWS Dodge City, KS</i>
9:35 am – 9:50 am	1.7 Utilizing Mid-Level Storm Relative Wind Vectors to Improve Very Large Hail Forecasting and Warnings <i>Caleb Brown, NWS North Platte, NE</i> <i>John Stoppkotte, NWS North Platte, NE</i>
9:50 am – 10:05 am	1.8 Application of CWIP Supercell-based Tornadogenesis Training to the Most Recent Academic Understanding of Tornado Formation Processes <i>John Stoppkotte, NWS North Platte, NE</i>
10:05 am – 10:15 am	BREAK
Session II	Aaron Johnson, Session Chair
10:15 am – 10:30 am	2.1 A Decision Matrix Approach to Issue Red Flag Warnings <i>Maggie Ideker, NWS Boulder, CO</i>
10:30 am – 10:45 am	2.2 The Probabilistic Precipitation Portal: Evaluation in Complex Terrain In Winter <i>Paul Schlatter, NWS Boulder, CO</i>

10:45 am – 11:00 am	2.3 Ingesting and Displaying Weather Information from a Variety of Sources <i>Aaron Mangels, NWS Hastings, NE</i>
11:00 am – 11:15 am	2.4 A Review of the July 2024 Tornadoic Events Across South Central Nebraska and North Central Kansas <i>Amanda Wekesser, NWS Hastings, NE</i>
11:15 am – 11:30 am	2.5 A Review of the April and May 2024 Tornadoic Events Across South Central Nebraska and North Central Kansas <i>Jeremy Wesely, NWS Hastings, NE</i>
11:30 am – 11:45 am	BREAK
11:45 am – 12:30 pm	<u>Keynote Address</u> CELL MERGERS, BOUNDARY INTERACTIONS, AND CONVECTIVE SYSTEMS IN CASES OF SIGNIFICANT TORNADOES AND HAIL <i>Dr. Cameron Nixon, OU CIWRO/Storm Prediction Center - Norman, OK</i>
12:30 pm – 12:35 pm	CLOSING REMARKS