

Paper Outline

1. Introduction
2. Methodology
 - a. Oklahoma Mesonet Dataset
 - b. Mesonet Grid
 - c. Divergence
 - d. Front Analysis
 - e. Cold Pool Analysis
3. Case Study Results
 - a. 13 June 1997 Case
 - b. 15-16 June 2002 Case
 - c. 30 April 2011 Case
 - d. 24-25 May 2011 Case
 - e. Cold Pool Time Series
 - f. Front Characteristics
 - g. Front Wind Maps
4. 15-year Climatology of Fronts and Cold Pools
 - a. Temperature and Pressure Changes
 - b. Convergence/Divergence
 - c. Seasonal Distributions
 - d. Diurnal Distributions
5. Conclusions







