

## Atmospheric Sciences 5700

### Exercise on Severe Weather Parameters

This exercise is about severe weather parameters.

1. Read Evaluation and Interpretation of the Supercell Composite and Significant Tornado Parameters.

Thompson, R. L., R. Edwards and J. A. Hart, 2002: Evaluation and Interpretation of the Supercell Composite and Significant Tornado Parameters at the Storm Prediction Center. *Preprints, 21st Conf. Severe Local Storms*, San Antonio TX.

2. Read An Update to the Supercell Composite and Significant Tornado Parameters.

Thompson, R. L., R. Edwards, C. M. Mead, 2004: An update to the Supercell Composite and Significant Tornado Parameters. *Preprints, 22nd Conf. Severe Local Storms*, Hyannis, MA

3. Based on the above publications, describe the differences between the meteorological parameters that are important for the formation of non-supercell thunderstorms, non-tornadic (surface-based) supercells, and significantly tornadic (surface-based) supercells.