

**SSEC/CIMSS  
Seminar**

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CIMSS/SSEC**

**Hail Embryo Differences between  
Simulated High Plains and Oklahoma  
Hailstorms**

Hail embryo differences between High Plains and Oklahoma hailstorms were studied using model simulations run with a three-dimensional nonhydrostatic cloud model. The model domain was initialized with environments described by proximity soundings representative of hailstorms from these regions. A two-moment microphysical scheme with four liquid and five ice species was utilized, employing the unique feature that both graupel and frozen drops are represented and can become embryos for hail.

Differences in the mean simulated hail growth behavior between environments were determined using Student's test statistics and p-values. Additionally, linear regression was used to test the presence and degree of relationship between variables within a single environment and between environments.

**Thursday, 25 June 2009**

**11:00 a.m.**

**Room AOSS 351**