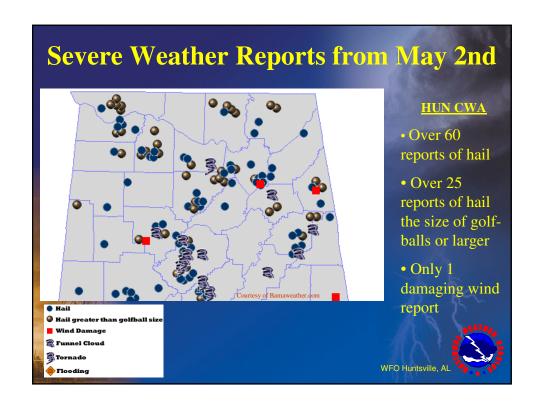
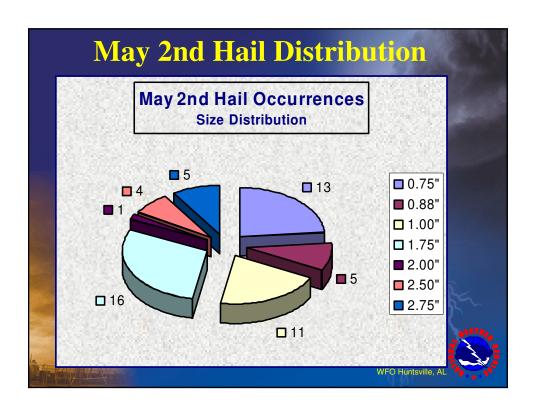


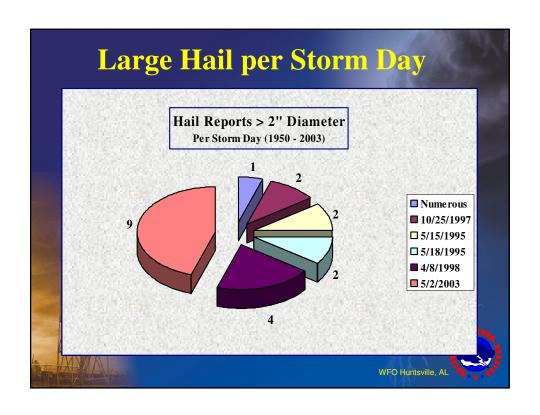
Event Overview

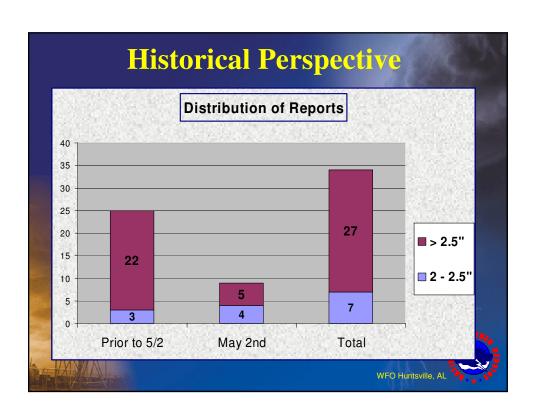
- Event occurred during the afternoon hours of May 2, 2003 (1800Z-2200Z)
- Numerous reports of hail larger than baseballs
- One of the costliest hailstorms in Alabama history
- Over 30,000 insurance claims
- Over \$50 million in damages mainly to roofs and automobiles







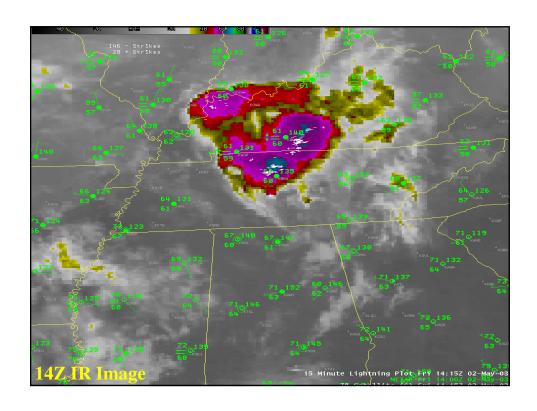


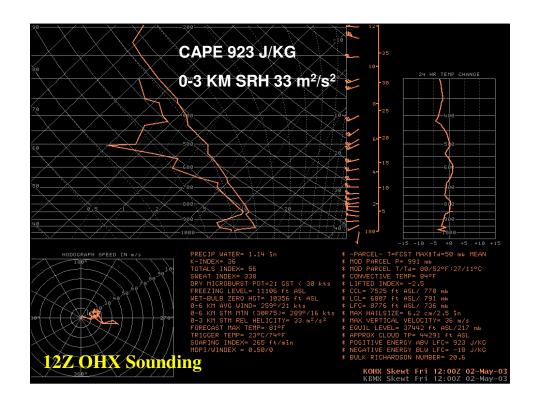


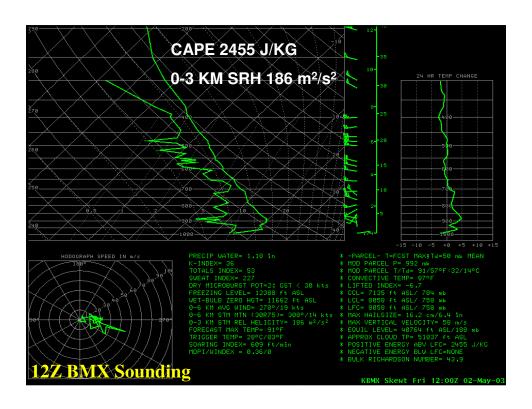
Meteorological Overview

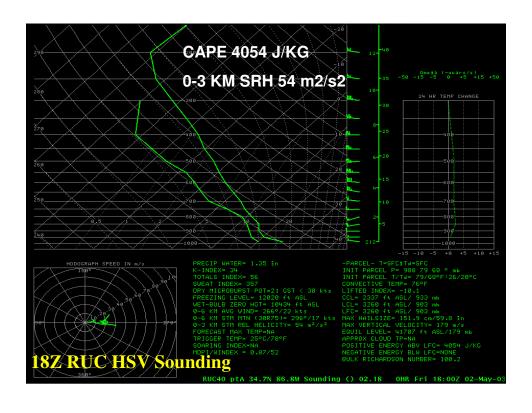
- Early morning MCS moved eastward across TN outflow boundary along AL-TN border
- Primarily zonal upper flow with embedded shortwaves
- Approaching jet streak/increasing upper level divergence
- Low level forcing driven by mesoscale boundaries
- Very high CAPE/Steep lapse rate environment (CAPE >3500 J/Kg; Lapse Rates>7 C/Km)
- Unidirectional shear profiles splitting supercells

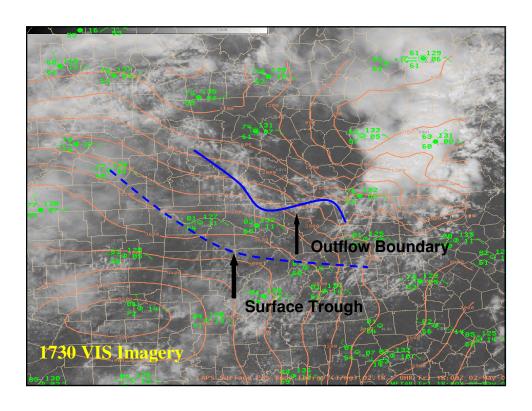


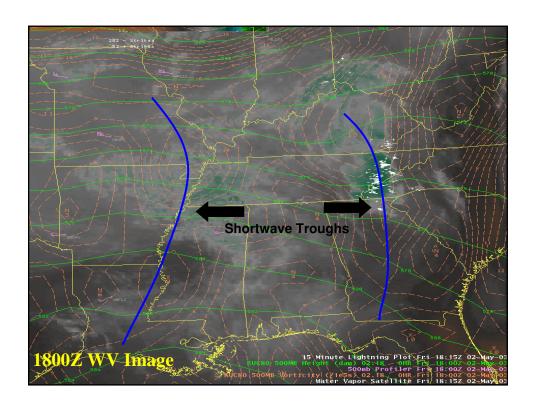


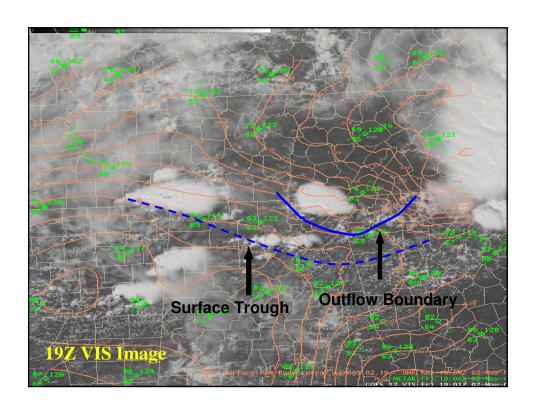


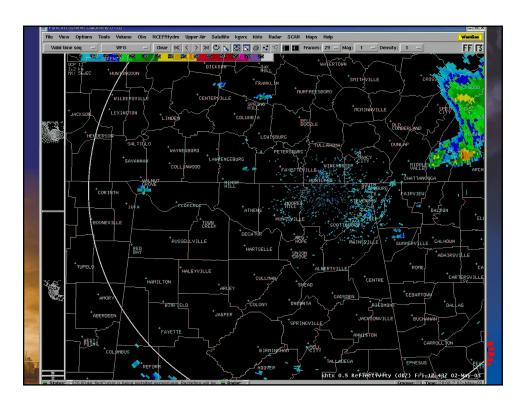


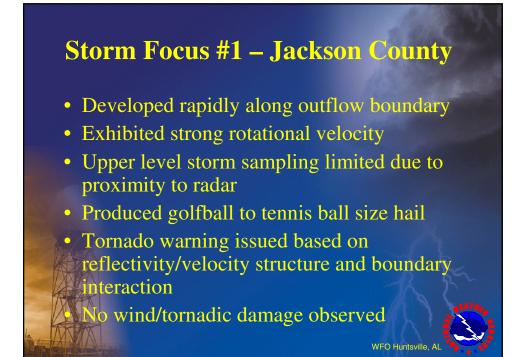


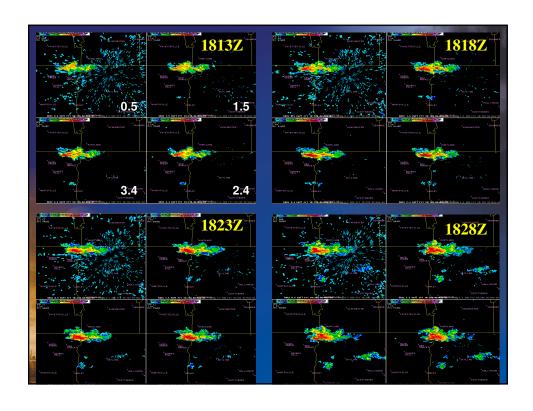


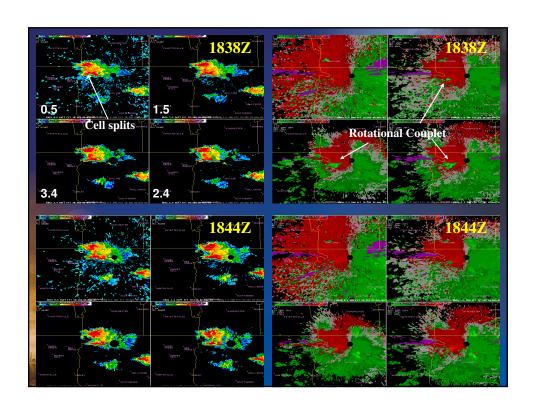


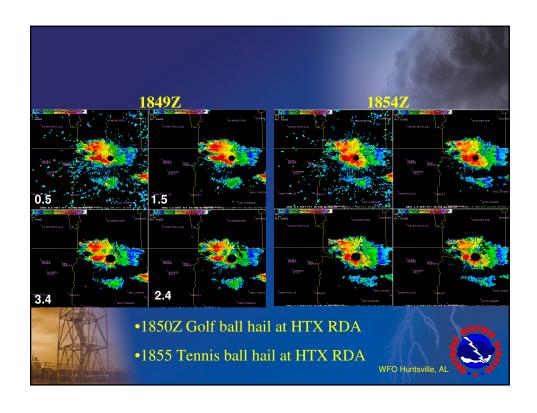




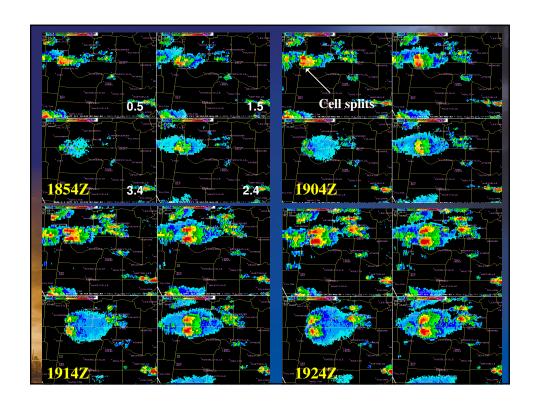


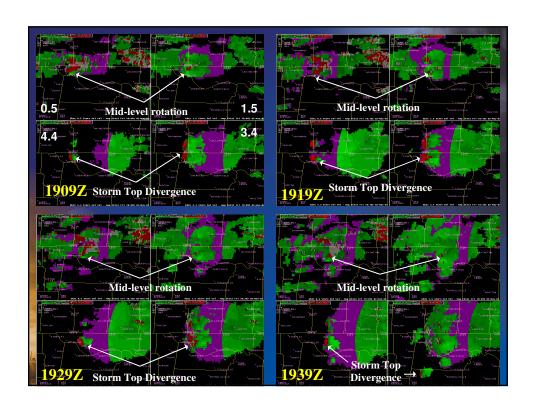


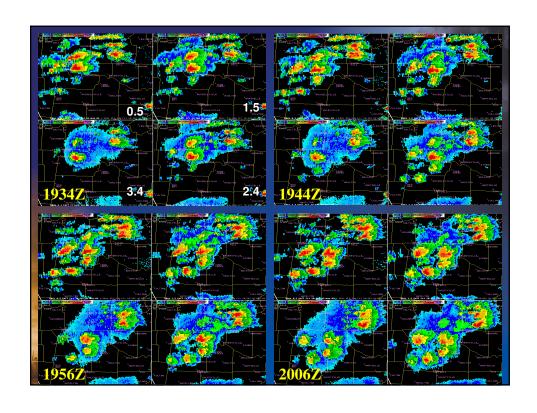


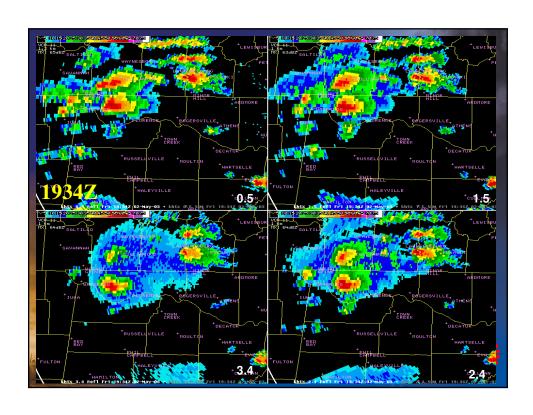


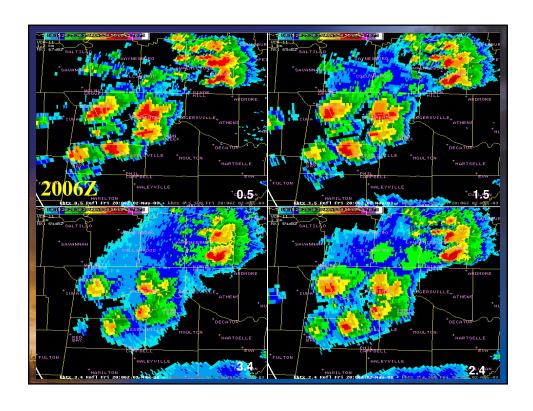


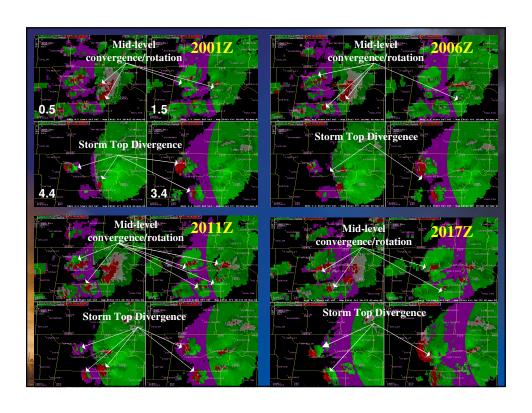


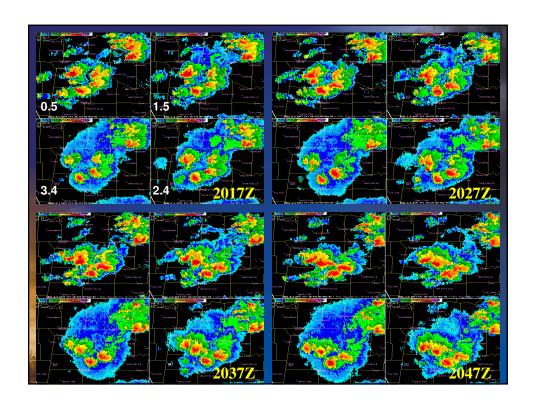


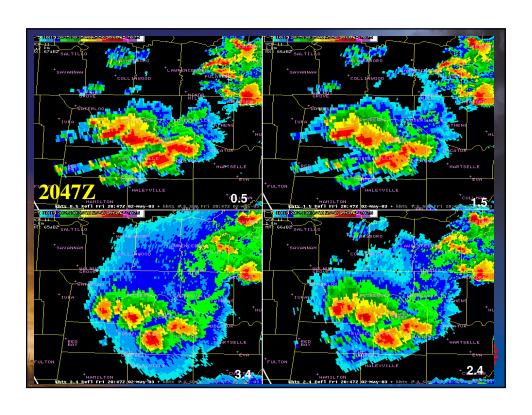


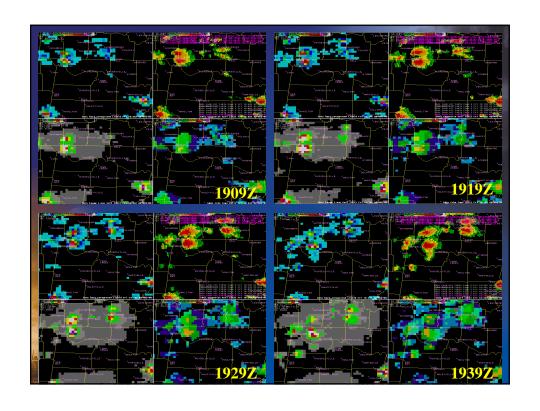


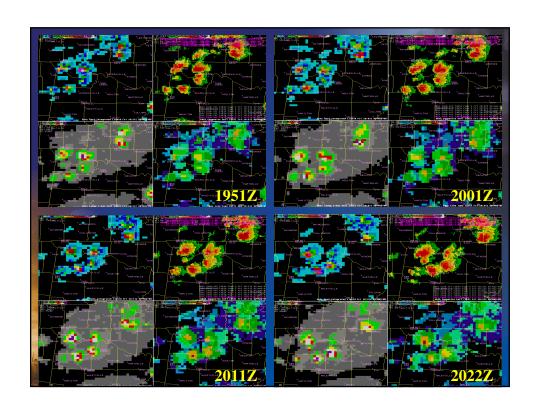












Storm Focus #3 – Cullman/Marshall County Cells developed along surface trough Developed ahead of upper trough and associated speed max Exhibited classic V-notch and Three-body scatter radar signatures Produced tennis ball to baseball size hail

