

Weather Event Simulator Case Study

Originating Office : WFO Shreveport
Date of Case : 24 July 2002
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Weather Event : Severe summer thunderstorms.
Part A: Evaluation of the synoptic and local environment.
Part B: Warning operations.

Learning Objectives : To be able to correctly distinguish between severe and non-severe summer thunderstorms.

Available Data : KSHV and KPOE, all radar data.
: AWIPS model guidance fields (1200-2100 UTC).
: All AWIPS satellite imagery (Regional scale).
: All AWIPS point data.
: All AWIPS redbook graphics.

Time Period of Data : 1800-2359 UTC July 24, 2002.

Type of Simulation : Self-guided, interval based.

Completion Time : One hour (Part A); 90 minutes (Part B).

Additional Materials : Electronic and hard copy of Simulation Guide and damage reports; photographs of recorded damage.

Installation : Use the Case_Installer.tcl script to install the case specifying two (2) CDs, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2002Jul24.

Special Instructions : This case includes localizations for WES versions 1.0, 1.1 and 1.2. Please “cd” to the 2002Jul24/localizationDataSets subdirectory and extract (zcat | tar -xvf -) the appropriate localization for your version of the WES software.