

Heavy Rain and Severe Weather Event over Central Louisiana and East Texas WES Simulation Case: 16 October 2006 Case Summary

Originating Office : WFO Shreveport
Date of Case : 16 October 2006
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Weather Event : Torrential rain and severe weather occurred in central Louisiana and east Texas.

Learning Objectives : To evaluate the causes of extreme rainfall and severe weather during this event.

Available Data : All AWIPS radar data for KSHV WSR-88D (Shreveport, LA) and limited radar data for KPOE WSR-88D (Fort Polk, LA)
AWIPS model guidance fields
AWIPS satellite imagery (Regional and CONUS scale)
AWIPS lightning and metar data

Time Period of Data : 0500 – 0600 UTC, and 1745 – 2045 UTC, on 16 October 2006.

Type of Simulation : Virtual reality simulation – self study.

Completion Time : 1 hour (Part A); 3 hours (Part B).

Additional Materials : Simulation Guide (4 pages).

Installation : Use the Case Installer program to install the case if possible. Convert the case to DRT prior to running the simulation. The case was created on WES 8.3 software.

Special Instructions : Print out the *16Oct2006_CaseStudy.doc* file for further instructions on how to start Part A and Part B of the case.
You may have to add the following links to the case after installation:
In /data/awips
In -s /data/awips/2006Oct16/storagefiles workFiles

In /data/awips//2006Oct16/Grid/SBN/netCDF/CONUS21# (see # in link below)
In -s /data/awips/2006Oct16/Grid/SBN/netCDF/CONUS212/GFS.old GFS
In -s /data/awips/2006Oct16/Grid/SBN/netCDF/CONUS213/GFS.old GFS