

# NWS Weather Event Simulator 7.1

## Release Notes

NOAA NWS Warning Decision Training Branch  
Norman, OK

### WES7.1 Installation

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Enclosed you will find a WES7.1 Install DVD. To install WES7.1, please consult the INSTALL\_WES7.1.pdf file on the install CD. All WFO's, including those who were WES7.1 beta test sites, need to install WES7.1.

### What's New in WES7.1

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#### 1. New WES Implementation and Operations Plan

- See <http://www.wdtb.noaa.gov/tools/wes/WES-IOP-Final.pdf>
- WES7.1 Overview Training is available in the LMS for NOAA users. All NOAA WES installation focal points and WES training focal points (see WES-IOP-Final.pdf above) should take this short training in the LMS, and fill out the survey before installing WES. To take the module, search for "WES7.1" in the LMS catalog.
- The WES support email list for NOAA users has changed from [soo\\_wes@comet.ucar.edu](mailto:soo_wes@comet.ucar.edu) to [wes@infolist.nws.noaa.gov](mailto:wes@infolist.nws.noaa.gov) To subscribe to this list, refer to the following webpage: <http://www.weather.gov/ndm/joinlist.html>

#### 2. Updated with AWIPS OB7.1

- Freeware for AWIPS (and WES) is now installed using RPM's
- Important new functionality includes radar cross-section capabilities using the volume browser
- New all tilts functionality
- Frame count increased to 64 frames
- VWP horizontal plots
- WSR88D Snow Accumulation Algorithm (SAA)
- Updated GFE (first introduced in WES6.0ww)

### **3. WES7.1 Contains a New Test Case**

- August 24, 2006 ABR severe weather (~1.6 GB mini-case)
- Contains a larger suite of products (sat, radar, Grid, point)

### **4. WES/WESSL Improvements**

- Simulation time entry boxes are now editable with a keyboard or new “spin boxes”
- Saving your script will automatically “build” the necessary files in your <data-case>/wessl directory
- Date/time of WESSL pop-ups are now displayed in the station log for easier tracking
- Updated CWA maps for WESSL
- Improved “–response” tool logging, so there is one easy to read response log for each simulation.

### **WES7.1 Known Problems**

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- OB7.1 requires Redhat Enterprise 4. The OB7.1 AWIPS will not work with Redhat Enterprise 3.
- Windows can freeze during a simulation when using KDE. For this reason, Gnome is the recommended desktop for WES. A program called “kde-reset” has been included in the fxa user’s path to facilitate unfreezing the display from a shell prompt if using KDE.
- As in WES5.0 and WES6.0, any pre OB5 SCAN and FFMP data need to be recreated.

### **WES7.1 Post Install**

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As with all major WES releases, new localizations need to be built for older cases to display properly with the OB7.1 in WES7.1. For more information, see the WES7.1 installation instructions.

### **WES7.2 Additional Development**

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The next WES release is planned to immediately precede the release of AWIPS OB7.2. Currently OB7.2 is planned for release in Dec. 2006.

## Questions

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Questions regarding WES7.1 installation or support should be sent to the WES info list at [wes@infolist.nws.noaa.gov](mailto:wes@infolist.nws.noaa.gov). Questions regarding shipping or obtaining WES for non-NOAA use should be sent to Timm Decker ([timothy.b.decker@noaa.gov](mailto:timothy.b.decker@noaa.gov)) at the Warning Decision Training Branch.