

# NWS Weather Event Simulator 8.2

## Release Notes

NOAA NWS Warning Decision Training Branch  
Norman, OK

### **WES8.2 Installation**

---

Enclosed you will find a WES8.2 Install DVD. To install WES8.2, please consult the INSTALL\_WES82.pdf file on the install CD. All WFO's, including those who were WES8.2 beta test sites, need to install WES8.2.

### **What's New in WES8.2**

---

#### **1. Updated with AWIPS OB8.2**

- Four Dimensional Storm-Cell Investigator (FSI)
- Estimated Actual Velocity tool
- Support for Super-Res products
- AvnFPS 3.5 and OB 8.2 version of GFE

#### **2. Major WES Upgrade Makes FSI Plug and Play**

- FSI is a radar base data analysis tool that is new in OB8.2. With some assistance from MDL, WDTB developed FSI case review and simulation capabilities in order to make FSI "plug and play" on standard AWIPS radar archives in WES8.2. To run FSI on your current and future archive cases requires OB8.2 localizations and standard archived radar data (FSI Z/V default is 8bit). For background information on how FSI works with WES, see Section 20.

#### **3. WES8.2 Overview Training coming soon in the LMS for NOAA users**

- All NOAA WES installation focal points and WES training focal points (see <http://www.wdtb.noaa.gov/tools/wes/admin/WES-IOP-Final.pdf>) should take this short training in the LMS (see <http://doc.learn.com/noaa/nws>) when it is posted. To take the module, you will need to search for "WES8.2" in the LMS catalog. Beta test sites will be emailed directly when it is posted.

## **Know Issues in WES8.2**

---

- All FFMP tar files need to be recreated with WES8.2. The format of the FFMP data changed again in OB8.2, and recreating the FFMP tar files is necessary to use FFMP with OB8.2.
- If you are using multiple machines to run simulations (Section 21), FSI will update on the server automatically, but it will not update automatically on the client machines. FSI uses "rssd" to update FSI, and we have been unable to get this to work on a network of WES machines.
- OB8.2 requires Redhat Enterprise 4. The OB8.2 AWIPS will not work with Redhat Enterprise 3 or Redhat Enterprise 5.
- The surface observation monitors from MDL (SNOW, SAFESEAS, Fog Monitor) have not yet been integrated into WES.
- SPC watch polygons under the NCEP/Hydro menu do not display from SAW products (they use WOU products). To view watch polygons from archived SAW products see Section 11.
- A small feature in GUARDIAN designed to allow the user to move the GUARDIAN status bar to different screens does not function correctly.

## **WES8.2 Post Install**

---

- As with all major WES releases, new localizations (including the –scan switch) must be built for cases to display properly with the OB8.2 in WES8.2. (For more information, see Section 7 of the WES8.2 installation instructions.)

## **WES Development Timeline**

---

- The next WES release is planned to immediately precede the release of AWIPS OB8.3. Currently OB8.3 is planned for release in June 2008.
- There may be one more AWIPS/WES release (OB9/WES9.0 around January of 2009) prior to the release of the new Java-based AWIPS2. AWIPS2 is scheduled for release in fall of 2009. Because AWIPS2 will not come with training capability designed in the baseline, WDTB is leading the development of a totally new "WES2 for AWIPS2". WES2 will be released prior to the release of AWIPS2, and we plan to have a case converter to provide continuity between the old archived cases and the new AWIPS2.

## Questions

---

Questions regarding WES8.2 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.