

# WES Installation and Run Simulation Instructions (AWIPS-1 Version)

## *How to Install WES Simulations from DVD:*

1. As user fxa, insert the DVD into the WES machine.
2. After the DVD mounts to the WES machine, open a terminal and type in the following commands:

```
$ cd /media/CDROM  
$ ./install-TCTOR-case.csh /media/CDROM/ /data/awips/
```

If the command install script does not work using the “./” command, use the “csh” command shown below:

```
$ csh install-TCTOR-case.csh /media/CDROM/ /data/awips/
```

3. Follow the prompts in the terminal to complete the installation. The single install script will download and untar both data folders on to your machine.
4. When the installation script finishes, you can unmount and remove the DVD from the WES machine.
5. Follow the instructions below on how to launch this simulation for the Tropical Cyclone Tornadoes Course.

## *How to Launch The Simulation:*

1. On your WES machine, open a terminal window and launch the Weather Event Simulator (WES).

```
$ start_simulator
```

2. In the WES GUI, select ‘Run Simulation.’ A pop-up will appear prompting you to close any active D-2D session. Ensure that there are no D-2D windows open, and click ‘OK.’
3. In the Simulation Entry GUI, select ‘Load Saved Settings’ in the bottom-right of the window. When the Load window appears, select the following WES macro and click ‘OK.’



Load Saved Settings

```
TC_TOR_TBW
```

4. Confirm the following information in the Simulation Entry GUI. When ready, click 'OK' to load the simulation.

```
FXA_DATA: [path]/2013Jun06
FXA_INGEST_SITE: TBW
Case Start Time: 201306061445
Case End Time: 201306061525
WESSL Script: [path]/2013Jun06/wessl/TBW.wessl
```

5. Once the case is loaded and the Simulation Control window appears, click 'OK' to begin.
6. The main WES window will prepare and load the case data for this simulation application. When it has finished preparing the data, the Entry Verification & Simulation Control window will appear. Verify the data again and click 'Run Simulation.'
7. When prompted, load a D-2D. Open a terminal window and enter the following command:

```
$ start_awips
```

8. In the Start D-2D window, ensure that the FXA\_DATA has the correct case (2013Jun06) and ensure that the FXA\_LOCAL\_SITE in appears as TBW. Also, select 'Start AWIPS Text Workstation Control' so that it is turned on. When ready, click the 'OK.'



9. After D-2D finishes loading, left-click on the time located in the bottom-right portion of the window. Ensure that the "Use current real time" option is selected and click 'OK' to continue with the simulation.

