

AWIPS Build OB2 D2D software release notes

These are changes from Build OB1.

Note: These are working notes on FSL's part of the Build OB2 work. Some items may be modified or removed before OB2 hits the field. Official Release Notes will be posted at the NWS AWIPS site once the field release is ready.

Infrastructure

- RedHat 7.2 is the current Linux version in use.
- Data files produced by localization now can be read by either HP or Linux boxes. The significance of this is that localizations can be run on the faster Linux boxes and files safely transferred to HPs.
- WWA templates now can include a "toggle" operator to specify the initial inclusion of a bullet in the text.

Graphics/image workstation

New features

- GOES high density winds are available on the Satellite menu. Plots are stratified by reference dataset (e.g., WV, vis, 7 micron sounder) and by level (200mb, 300mb, etc.).
- Radar items:
 - A new high-resolution mesocyclone graphic is available, with updates after each tilt is processed. An accompanying text product is stored as WSRMRUxxx.
- Volume Browser:
- Non-FSL work that affects the UI:

Improvements

- Volume Browser:
 - Data from the Eastern North Pacific Regional Wave Watch III model are now available.
 - The Global, Western North Atlantic, and Alaska wave model grids now extend to 168 hours.
- Radar items:
 - The high-res SRM introduced in OB1 is easier to use with a new GUI for selecting the storm motion vector. This GUI is added to the Radar Display Controls, formerly known as Icon Graphics Controls.

- Radar archive:
 - This application is removed in OB2. Its function is now handled by the WES.
- WarnGen items:
 - The format of products from WarnGen is now checked for proper UGC and VTEC codes; UGC line matching text counties, zones, etc.; internally consistent times; product type matching the Mass News Disseminator (MND) section and text in the first bullet; correct contents and format of the MND and the first three bullets; and \$\$ at the end of the product.
 - Support for follow-up statements (county SVS, FFS, MWS) is provided. When selected, the user may choose a current warning by clicking button 3 on the display or from a list, and D2D will display the original box, an estimate of the current centroid based on the pathcast, and the remaining portion of the track. After optionally modifying the location and track (the box is not editable), draft text is generated as usual. WarnGen also now includes a cancellation option.
 - It's now possible to issue a follow-up warning (SVR, TOR, FFW, or SMW), with WarnGen initialized based on a current or recent warning, but with storm location updated based on the track and current time.
 - The combined FFW/SVR product is now supported.

- Product Maker items:
- The color table menu is now stratified into cascading menus by type of image - e.g., Sat, Radar, Grid. You can use cascading menus in your personal color table space by using one or more colons in the name when you store your tables. For example, Radar:OSF:Echo Tops will go in an OSF menu cascading off of Radar from the main menu. Thanks to Paul Jendrowski of WFO RNK for developing this feature.

Remaining bugs

Our old list of not-quite-what-we-want features...

- The default load mode (Valid Time Sequence or Latest Model Run) is restored after a swap, instead of whatever mode you had set when that information was in the large pane.
- Once you're in 4-panel mode, you stay there until explicitly **Clearing** the screen. If you select products on a different scale, you'll get the same thing loaded in each panel.
- Samples on skewT charts include a degree sign in front of K.
- If you turn lat/lon readout on, then bring up a skewT and sample it, you'll get lat/lon info for the previously displayed map (in addition to the chart information that you want). The pop-up correctly does not include the lat/lon toggle button, so you can't turn it off.
- Sounding plots are computing bad wet-bulb zero heights near the surface when there should be no wet-bulb zero crossing.
- The Product Maker provides access to satellite images only on the Northern Hemisphere, CONUS, and Regional scales.

- If you select MSLP as the field in the Product Maker, you must select a(ny) pressure level, in order to display it.
- When as1 fails over to as2, you see a red banner that tells you so, and says that you may need to restart in order to continue to get auto update and product time updates on the menus. In fact, this is not necessarily the case. To minimize the disruption for restarts, you should monitor radar or other frequently-updated products to see if you are getting notification of new products (display or menu update). Only if not should you restart the workstation.
- A torn-away Product Maker Source menu does not respond to scale changes. This can lead to one selecting a model source that is invalid for the scale.
- This is not really a bug, but the way the alert area request application works may be a little confusing.

The alert area request can display/edit only two areas at a time, one Area 1 and one Area 2. They can be for the same radar or, for those sites that have more than one dedicated connection, for different radars. For example, you can use Area 1 for radar A and Area 2 for radar B. However, if you start with Area 1 for radar A and then try to display/edit Area 1 for radar B it won't work; you must first clear the display and select another radar if you want to display/edit another Area 1.

Text workstation

New or remaining bugs

This is the standard bugs list. These have been around long enough that we could call them "undesirable features" at this point...

- The WarnGen window occasionally doesn't pop up automatically. Workaround: Request WRKWX from any window. (The warning expiration reminder won't work in this case.)
- The text subsystem still uses 3-character station IDs. As a result, the Help function in the browser and the button-2 popup station ID info on METAR messages can't distinguish between Kxxx and Pxxx. Usually, both are shown, leaving it to the user to figure out which one applies.
- Like many other products, pilot reports come in a collective and are stored under the site ID instead of your local CCC. Thus, a pilot report referenced to DHN would be stored as BHMPIRDHN. Some erroneously get stored by 2-letter state ID under your local CCC, e.g., PIRAK. Most of the latter are duplicated in the site-ID style.
- The "ss.NNN" construct does not work.