

AE IV&V Test Case: Baseline CAVE VB Sound

Revision History

Rev. No.	Date	By	Description of Changes
0	16-apr-2008	S. Davison	Adapted from AWIPS OB8.1 test case: Baseline_D2D_VB_Sound_1.4.1.8_V2

Test Case Identifier

Baseline CAVE VB Sound

Narrative

This test case demonstrates the capability of AWIPS to display a representative sample of sounding model products from available models.

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Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
1.	Start CAVE	CAVE launches			
2.	If CAVE is already open, clear the main pane.				
3.	Use the scale pull-down menu (left side of toolbar) and select CONUS. The default option is CONUS.	Map scale changes to CONUS.			
4.	From the Frames pull-down menu (right side of toolbar), select 64	Number of frames becomes 64.			
5.	In order to do a sounding plot you must select a point to sample. On the CAVE toolbar select the points button (has an image of three points).	The Interactive Points appear (ABCDEFGHIJ).			
6.	Observe the points and choose the one that is to be used to make the sounding plot. To move the point, move the mouse over the point, right click, hold, move the mouse, and let go at the desired location. Remember the point ID letter.	Point moves to desired location.			
7.	From the Volume menu, select Browser.	The Volume Browser window opens.			
8.	In the Volume Browser select sounding from the pull-down menu labeled Plan View.	The Volume Browser size and options change.			
9.	In the Volume Browser select a source from the Grid list. The ECMWF-HiRes source was new in OB8.1. Be sure to	Source shows up highlighted in the source selection list.			

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	include this source in the testing along with other sources.				
10	In the Volume Browser select a field from Thermo. Select a green colored field in the menu. NOTE: Many of the submenus are colored black, but there may be green fields under them to select.	Field shows up highlighted in the field selection list.			
11	In the Volume Browser select a point from the plane menu. Points range from A-J.	Plane shows up highlighted in the plane selection list; product shows up highlighted in the product selection list.			
12	In the Volume Browser select the Load button at the bottom.	Product is loaded in the main pane as a graphic. It defaults to the last frame.			
13	Close the Volume Browser: File > Close.	Volume Browser closes.			
14	View all the frames (model forecast times) by using the arrow keys on the keyboard or toolbar and make sure the date displays correctly and with the right time stamp. The model data should step ever 1-3hrs for RUC, 3hrs for NAM, 6hrs for GFS & NGM.	Each variable will display as a line increasing or decreasing with height.			
15	Select clear on the CAVE toolbar menu.	Product is cleared from the main pane.			
16	To remove selected items from the volume browser, use the clear options under the edit menu. It is possible to	Selections are removed.			

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	clear all or just a source, field, or plane. If a source, field, or plane is cleared the products in the product list will also be cleared.				
17	Complete steps 2-17. Load a couple of different sources, fields, and planes.	Steps 2-17 were executed successfully.			
18	Select clear on the CAVE toolbar menu.	Product is cleared from the main pane.			
19	Click on CAVE Exit	The application closes and this test case is completed.			