Release: Baseline	**Test Case Creation Engineer:** Will Leverenz
Title: Display Sounding Model Data from Volume Browser	**Date Test Case Created:** 02/02/2006
Test Case Execution Engineer:	**Pass/Fail/Pending:**
Test Platform:	**Total Test Time:**
Start Date:	**Run Time for processes or reports:**
Complete Date:	**Database Instance and Version:**
Logged in User's Role:	**Location of Test Artifacts for this test case:**
Notification Server Version:	**CI:**
Last Modified By: Scott Nicholson	**Test Steps:**
Date Modified: 8/20/09	

Test Case # **Baseline_D2D_VB_Sound_M**

Test Case Description

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

- Prerequisite Conditions:

  The tester must log on to a graphics workstation (LX) with valid username and password.
  The AWIPS system is in an operational state.

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
1.	Open a D-2D session.	The D-2D is opened.			
2.	Use the scale pull-down menu (left side of toolbar) and select CONUS.	Map scale changes to CONUS.			
3.	From the Frames pull-down menu (right side of toolbar), select the highest number of frames, 32 or 64.	Number of frames available becomes 32 or 64.			
4.	In order to do a sounding plot you must select a point to sample. On the D2D toolbar select the Points button (has an image of three points).	The Interactive Points appear (ABCDEFGHIJ).			
5.	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.			
6.	From the Volume menu, select Browser.	The Volume Browser window opens.			
7.	If necessary, the user may remove selected items from the Volume Browser by using the Clear options under the Edit menu. It is possible to 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.	Selections are removed.			
8.	In the Volume Browser select Sounding from the pull-down menu labeled Plan View.	The Volume Browser size and options change.			

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
9.	In the Volume Browser select a Source with a green indicator from the Grid list.	Source shows up highlighted (gray) in the Source selection list.			**Variance: The Source is highlighted gray rather than yellow.** **Variance: The available Sources have a green indicator rather than the entire Source in green text.**

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
10.	In the Volume Browser select Sounding from Thermo.	Field shows up highlighted (gray) in the Field selection list.			**Variance: The Field is highlighted gray rather than yellow.** **Variance: The available Fields have a green indicator rather than the entire Field in green text.**

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
11.	In the Volume Browser select a point from the Plane menu. Points range from A-J.	Plane shows up highlighted (gray) in the Plane selection list; product shows up highlighted (gray) in the Product Selection List.			**Variance: The Plane is highlighted gray rather than yellow.** **Variance: The available Planes have a green indicator rather than the entire Plane in green text.**
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.		DR #2955	
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 and NGM.	Each variable will display as a line increasing or decreasing with height.			
15.	Select Clear on the D2D toolbar menu.	Product is cleared from the main pane.			

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
16.	Repeat steps 2-15. Load Three different Sources and Planes (Points).	Steps were executed successfully.			
17.	Click on the File -> Exit	The application closes and this test case is completed.			
End of test.					