

Release: Baseline	Test Case Creation Engineer: Will Leverenz
Title: Display Variable Vs Height Model Data from Volume Browser	Date Test Case Created: 02/02/06
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	
Date Modified: 8/21/09	

Test Case #: **D2D_VB_XvsZ_M**

Test Case Description

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

- Requirements:
 - Not Applicable.
- Data Input:
 - Not Applicable.
- 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 / Inputs	Expected Outputs	Pass(P)/ Fail(F) Pending (Pen)	DR #, Name, Description for failed step	Special Needs / 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, 64 .	Number of frames available becomes 64.			
4.	In order to do a Variable vs. Height 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, with labels (ABCDEFGHIJ).			
5.	Observe the points and choose the one that is to be used to make the Variable vs. Height plot. (To move a point: move the mouse over the point, press Mouse Button (MB) 1, move the mouse, and let go at the desired location.) Record the point's 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.			

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8.	In the Volume Browser , select Var vs Hgt from the pull-down menu labeled Plan View .	The Volume Browser size and options change.			
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.			<p>Variance: The Source is highlighted gray rather than yellow.</p> <p>Variance: The available Sources have a green indicator rather than the entire Source in green text.</p>

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Step #	Action / Inputs	Expected Outputs	Pass(P)/ Fail(F) Pending (Pen)	DR #, Name, Description for failed step	Special Needs / Comments
10.	<p>In the Volume Browser select a Field with a green indicator from one of the lists (Basic, Derived, Other). Select a Field with a green indicator in the menu. <i>NOTE: Many of the submenus are without a green indicator, but there may be available fields under them to select.</i></p>	<p>Field shows up highlighted (yellow) in the field selection list.</p>			<p>Variance: The Field is highlighted gray rather than yellow.</p> <p>Variance: The available Fields have a green indicator rather than the entire Field in green text.</p> <p>Derived and Other Fields - Slice 6</p>
11.	<p>In the Volume Browser select a Point from the Plane menu. Points range from A-J.</p>	<p>Plane shows up highlighted (gray) in the plane selection list; product shows up highlighted (gray) in the Product Selection List.</p>			<p>Variance: The Plane is highlighted gray rather than yellow.</p> <p>Variance: The available Planes have a green indicator rather than the entire Plane in green text.</p>

Step #	Action / Inputs	Expected Outputs	Pass(P)/ Fail(F) Pending (Pen)	DR #, Name, Description for failed step	Special Needs / Comments
12.	Also, toggle between the different logarithmic scales .	Logarithmic scales are altered. This will change the way in which the Z-axis (height) is set-up.			
13.	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 #2956 DR #2957	
14.	Close the Volume Browser: File -> Exit .	Volume Browser closes.			
15.	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 every 1-3hrs for RUC , 3hrs for NAM , 6hrs for GFS and NGM .	Each variable will display as a line increasing or decreasing with height.		DR #867	
16.	Click on Clear on the D2D toolbar menu.	Product is cleared from the main pane.		DR #2130	
17.	Repeat steps 5-16, sampling different Sources, Fields, and Planes.	Samples of the available products were loaded individually.			
18.	Click on File -> Exit	The application closes and the test case is completed.			
End of test.					