

Release: Baseline	Test Case Creation Engineer: Will Leverenz
Title: Display Time Height Model Data from Volume Browser	Date Test Case Created: 02/01/2006
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: 8/21/09	

Test Case # **Baseline_D2D_VB_T-Z_M**

Test Case Description

This test case demonstrates the capability of AWIPS to display a representative sample of time height 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 is CONUS.			

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
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 Time 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 (ABCDEFGHIJ).			
5.	Observe the points and choose the one that is to be used to make the Time Height plot. To move the point, move the mouse over the point, left click, hold, move the mouse, and let go at the desired location.	Point moves to desired location. Record the point ID: _____			
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 Time Height 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.			<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	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
10.	In the Volume Browser select a Field from one of the lists (Basic, Derived, Other). Select a field with a green indicator in the menu. NOTE: <i>Many submenus are without a green indicator, but there may be available fields under them to select.</i>	Field shows up highlighted (gray) in the field selection list.			<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>

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.			<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>
12.	From time-to-time toggle between left and the right orientation. The pull-down menu for that is located next to the view pull-down menu. Also toggle between the different logarithmic scales.	The will toggle between loading the graphics with time increasing to the left or time increasing to the right.			
13.	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.			
14.	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 #1879 DR #2127		
15.	Close the Volume Browser: File -> Close.	Volume Browser closes.			

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
16.	Only one frame will load. Make sure the date displays correctly and with the right time stamp.	The model data should change from left to right. Generally, most features between 60N and 20N latitude will move west to east most of the time.	DR #867		
17.	Select clear on the D2D toolbar menu.	Product is cleared from the main pane.	DR #2130		
18.	Repeat steps 2-17. Load a couple of different Sources, Fields, and Planes.	Steps were executed successfully.			
19.	Click on the File -> Exit.	The application closes.			
End of test.					