

## AE IV&V Test Case: Baseline CAVE VB Time-Height

### 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_T-Z_1.4.1.6

### Test Case Identifier

Baseline CAVE VB Time-Height

### Narrative

This test case demonstrates the capability of AWIPS to display a representative sample of time height 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.	Main pane is cleared.			
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 the highest number of frames 64.	Number of frames available becomes 64.			
5.	In order to do a time height 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 time height 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 Time Height 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 one of the lists (Basic, Derived, Other). 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	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.			
15	Close the Volume Browser: File > Close.	Volume Browser closes.			
16	Only one frame will load. Make sure the date displays correctly and with the right time stamp. The model data should step	The model data should change from left to right. Generally, most features			

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	ever 1-3hrs for RUC, 3hrs for NAM, 6hrs for GFS & NGM.	between 60N and 20N latitude will move west to east most of the time.			
17	Select clear on the CAVE toolbar menu.	Product is cleared from the main pane.			
18	To remove selected items from the volume browser, use 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.			
19	Complete steps 2-17. Load a couple of different sources, fields, and planes.	Steps 2-17 were executed successfully.			
20	Select clear on the D2D toolbar menu.	Product is cleared from the main pane.			
21	Click on the File   Exit	The application closes and this test case is completed.			