

## AE IV&V Test Case: Baseline CAVE Local Radar

Rev. No.	Date	By	Description of Changes
0	18-apr-2008	S. Davison	Adapted from AWIPS OB8.1 test case: SIT_Baseline_D2D_Loc_RADAR.doc

### Test Case Identifier

Baseline CAVE Local Radar

### Narrative

This test case demonstrates the capability of AWIPS to display different types of local dedicated radar data.

Localization must include txxx and kxxx radars.

Note for TO8: The last 10 steps of the original AWIPS OB8.1 test have been deleted from this adapted test. Those steps verified that the environmental parameters from the RUC are sent to an ORPG Build 9 radar. That capability is not included in TO8. For later task orders, this test should be augmented or another test written to verify sending of the RUC data. The verification steps in the original AWIPS OB8.1 test are implementation-dependent, and may not apply to AWIPS2.

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Step #	Action / Inputs	Expected Outputs	Pass(P)/ Fail(F) Pending (Pen)	DR #, Name, Description for failed step	Special Needs / Comments
1.	Log into an <b>ix</b> workstation.	A terminal window opens and user is able to log in with a password.			
2.	Start CAVE	CAVE launches			
3.	From the <b>Scale</b> pull-down menu (left side of toolbar), select <b>WFO</b> .	Main pane map scale changes to selected scale.			
4.	Use the <b>kxxx</b> & <b>txxx</b> menus (local dedicated radars) in D2D to load local radar data. - Select one product at a time. - Do not make an OTR or RMR. - Do not use the RADAR menu.	Products load in main pane. List the dedicated radars displayed: _____ _____ _____			
5.	Select products that display a current time on the drop-down menu.	Compare with time stamps of frames at lower right of screen when display comes up.			
6.	Once the product loads, click on the [ <b>&gt;</b> ] button to make the product cycle through a full set of frames.	Product has multiple frames available to view (the number selected in the Frames menu option).			
7.	Select <b>Clear</b> on the D2D toolbar menu.	Product is cleared from the main pane leaving only the default map.			
8.	Repeat steps 4-7 until many products have been loaded. For	Samples of the available products were loaded individually.			

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	this section, load each product one by one.				
9.	In the CAVE menu bar, select <b>txxx &gt; Graphics &gt; VAD Wind Profile Display (VWP)</b>	The main pane will display a two dimensional chart (time vs. height) that will show wind barbs.			
10.	<b>View radar text products:</b> Launch the Text Window by selecting the following from the D2D menu bar: <b>Tools &gt; Text Window</b>	The Text Window opens.			
11.	In the AFOS Cmd text box enter <b>WSRVWPxxx</b> , where xxx is the TDWR radar ID (BWI, JFK, etc.). Press the <b>enter</b> key.	The product loads in the Text Window.			
12.	<b>View sounding radar products:</b> Launch the <i>Volume Browser</i> by selecting the following from the D2D menu bar: <b>Volume &gt; Browser</b>	The Volume Browser opens.			
13.	Select a source: <b>Other &gt; VWP</b>	Source shows up highlighted in the source selection list.			
14.	Select <b>Plan View &gt; Sounding</b> then <b>Thermo &gt; Sounding</b> and select an item.	Field shows up highlighted in the field selection list.			
15.	Select a plane, for example: <b>Points &gt; Sounding A</b> Make sure the point selected is	Plane shows up highlighted in the plane selection list; product shows up highlighted in the product			

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	near a TDWR radar.	selection list.			
16.	Close CAVE by clicking on <b>File   Exit</b>	The application closes and this test case is completed.			