

<b>Release:</b> Baseline	<b>Test Case Creation Engineer:</b> Will Leverenz
<b>Title:</b> GFS Model Soundings	<b>Date Test Case Created:</b> 03/01/2006
<b>Test Case Execution Engineer:</b>	<b>Pass/Fail/Pending:</b>
<b>Test Platform:</b>	<b>Total Test Time:</b>
<b>Start Date:</b>	<b>Run Time for processes or reports:</b>
<b>Complete Date:</b>	<b>Database Instance and Version:</b>
<b>Logged in User's Role:</b>	<b>Location of Test Artifacts for this test case:</b>
<b>Notification Server Version:</b>	<b>CI:</b>
<b>Last Modified By:</b> Scott Nicholson	<b>Test Steps:</b>
<b>Date Modified:</b> 10/11/09	

*Test Case #* **Baseline\_D2D\_Volume\_M**

*Test Case Description*

This test case demonstrates the capability of AWIPS to display a representative sample of plan view model products from available models. This includes the new HiRes Models found in the Volume menu.

- Prerequisite Conditions:

- The tester must log on to a graphics workstation (LX) with valid username and password.
- There is no need to test Graphical Aviation products in this test case since there is a new baseline test case that covers that. The test case that covers this product is called "Baseline\_Graphical\_Aviation\_product"

Step #	Action	Expected Results	Actual Results	Pass(P)/Fail(F)	Comments
<b>The following DRs are associated with this test case: DR #'s 850, 2158, 2182, 2978</b>					
1.	Select the D2D perspective. The D2D perspective is displayed.				

Step #	Action	Expected Results	Actual Results	Pass(P)/ Fail(F)	Comments
2.	From the Scale pull-down menu (left side of toolbar), select N. Hemisphere, North American, CONUS, or Regional.	Main pane map is displayed as the selected scale.			
3.	From the Frames pull-down menu (right side of toolbar), select 64.	Number of frames available is 64.			
4.	Use the options in the Volume menu to select volume families to load. Do not use the Volume Browser in this test case. Select each item in Table 1. These products can be located in the volume menu.	Volume families load in the main pane of D2D.			
5.	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. The HiRes Data loads at different times of the day. The East and Hawaii come in at 00z & 12z, West and San Juan at 06z, and Alaska and San Juan come in at 18z.	The model data should change from frame to frame. Generally, most features between 60N and 20N latitude will move west to east most of the time.			
6.	Select clear on the D2D toolbar menu after each item is displayed.	Product is cleared from the main pane.			
7.	Repeat steps 4-6, until all model families have been loaded from the menu.	Steps executed successfully.			
8.	Click on File -> Exit	The application closes.			
<b>End of test.</b>					

Table 1:

Identifier	Products/Buttons	Available Y/N	Display P/F	Comments
2.1.6.3	Families:	Y N	P F	
2.1.6.3.1	DGEX	Y N	P F	
2.1.6.3.2	ECMWF-HiRes	Y N	P F	No data displays. Missing "HiRes". Data only displays when panning north. Data disappears when zoomed in.
2.1.6.3.3	ECMWF-LowRes	Y N	P F	Not Implemented.
2.1.6.3.4	GFS40	Y N	P F	
2.1.6.3.5	GFS	Y N	P F	Not Implemented.
2.1.6.3.6	NAM12	Y N	P F	
2.1.6.3.7	NAM40	Y N	P F	Precip did not display for all frames.
2.1.6.3.8	NAM80	Y N	P F	Precip did not display for all frames.
2.1.6.3.9	NGM	Y N	P F	No data.
2.1.6.3.10	RUC13	Y N	P F	Error.
2.1.6.3.11	RUC	Y N	P F	Precip did not display for all frames.
2.1.6.3.12	GFSGbl	Y N	P F	Not Implemented.
2.1.6.3.13	UKMET	Y N	P F	Not Implemented.
2.1.6.3.14	HiResW - ARW - East	Y N	P F	Not Implemented.
2.1.6.3.15	HiResW - ARW - West	Y N	P F	Not Implemented.
2.1.6.3.16	HiResW - NMM - East	Y N	P F	Not Implemented.
2.1.6.3.17	HiResW - NMM - West	Y N	P F	Not Implemented.
2.1.6.3.18	4-Panel Families	Y N	P F	
	DGEX	Y N	P F	Not Implemented.
	ECMWF-HiRes	Y N	P F	Not Implemented.
	GFS40	Y N	P F	Not Implemented.
	GFS	Y N	P F	Not Implemented.
	NAM12	Y N	P F	Not Implemented.
	NAM40	Y N	P F	Not Implemented.
	NAM80	Y N	P F	

Baseline\_D2D\_Volume\_M\_v3

	NGM	Y N	P F	Not Implemented.
	RUC13	Y N	P F	Not Implemented.
	RUC	Y N	P F	Not Implemented.
	UKMET	Y N	P F	Not Implemented.
2.1.6.4	Comparison Families:	Y N	P F	
2.1.6.4.1	500 Height	Y N	P F	Not Implemented.
2.1.6.4.2	MSL Press	Y N	P F	Not Implemented.
2.1.6.4.3	Surface Families	Y N	P F	
	GFS40	Y N	P F	Not Implemented.
	HiResW-ARW-East	Y N	P F	Not Implemented.
	HiResW-ARW-West	Y N	P F	Not Implemented.
	HiResW-NMM-East	Y N	P F	Not Implemented.
	HiResW-NMM-West	Y N	P F	Not Implemented.
	LAPS	Y N	P F	Not Implemented.
	NAM12	Y N	P F	Not Implemented.
	NAM40	Y N	P F	Not Implemented.
	RUC13	Y N	P F	Not Implemented.
	RUC	Y N	P F	Not Implemented.

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