

Release: Baseline	Test Case Creation Engineer: Will Leverenz
Title: Display and Edit RAOB Data on D2D	Date Test Case Created: 01/25/06
Test Case Execution Engineer:	Pass/Fail/Pending:
Test Platform: TBW3, TBW4, TBDR, TBDW	Total Test Time:
Start Date:	Run Time for processes or reports:
Complete Date:	Database Instance and Version: PostGres 8.2.6
Logged in User's Role:	Location of Test Artifacts for this test case:
Notification Server Version:	CI:
Last Modified By: Scott Nicholson	Test Steps: 24
Date Modified: 4/21/09	

Test Case #: **Baseline D2D RAOB_M**

Test Case Description

This test case is to verify that the Skew-T loads and can be edited.

- Requirements
 - Not Applicable.
- Data Input:
 - Not Applicable.
- Prerequisite Conditions:
 - The tester must log on to a graphics workstation (LX) with valid username & password, and the AWIPS system must be in an operational state.

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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.	Open a terminal. Type the following and press the Enter key: ./cave/cave.sh	CAVE launches.			The startup of CAVE is a variance
2.	Navigate to the D2D perspective.	The D2D perspective is displayed.			
3.	From the menu bar select Upper Air -> RAOB -> US Eastern -> Tallahassee, FL (KTAE) to display a sounding and hodograph for Tallahassee, FL.	The sounding is displayed in the <i>Skew-T tab</i> , with a map in the upper left corner indicating its geographic location. Sounding parameters are listed in the lower right quadrant of the display window to the right of the sounding.		DR#2320, Skew-T Indices Differ Significantly Between AWIPS I and AWIPS II	
4.	Select Interactive Skew-T KTAE from the pop-up menu in the large pane by pressing and holding mouse button 3 (MB3) and highlighting the desired selection.	The Interactive Skew-T is displayed in the large pane.			Variance: Step not needed to put the Skew-T in edit mode.
5.	Click Mouse Button (MB) 2 on Interactive the Skew-T product ID in the product legend.	A Skew-T Controls window opens. Data for the mandatory and significant levels appear on the Skew-T.			Variance: The Skew-T Parameters are in a window in CAVE versus a separate window.
6.	Click MB1 on the Hodograph sub-tab under the Skew-T tab.	A hodograph is displayed with data points.			
7.	To edit the Skew-T <i>in the Skew T sub tab</i> , press and hold MB1 on a point on either the <i>temperature</i> or <i>dew point</i> curve and drag.	The selected point changes temperature or dew point, and the line adjusts to the new value. Note that the data points are constrained to maintain their original pressure, so they can only be moved horizontally.		DR#1911	

Step #	Action / Inputs	Expected Outputs	Pass(P)/ Fail(F) Pending (Pen)	DR #, Name, Description for failed step	Special Needs / Comments
8.	Click MB2 on one of the points on either the <i>temperature</i> line.	The point is deleted from both the temperature and dew point trace.			Slice X
9.	Bring the Skew-T controls menu to the front.	The Skew-T controls menu is accessible			
10.	Add a point to the Skew-T by typing the following into the Add/Change Point to Skew-T section of the Skew-T Controls window: P: 450; T: -20; Td: -25	(Notice the minus signs.) The entries are made.			
11.	Select the Fahrenheit radio button, and click on Add Point to Skew-T . The temperature and dew point are added at the 450mb pressure level.	The temperature and dew point are added at the 450mb pressure level.			
12.	Select the Hodograph sub tab.	The Hodograph is displayed and the Skew-T Controls window is sent to the background.			
13.	In the <i>Hodograph</i> , click MB1 on a point and drag it to a new location.	The Hodograph point is moved.		DR#1911	
14.	Bring the Skew-T Controls menu to the front.	The Skew-T menu is accessible.			
15.	Add the following in the Add/Change Point to Hodograph section of the Skew-T Controls window: P: 409; Dir: 180; Spd: 80	The entries are made.			
16.	Select the kts radio button, and click on Add Point to Hodograph .	The Hodograph is changed to reflect the new data. Note: Speed is given in m/s, approximately half the value of the speed in knots entered above.			Kts is the default.
17.	Select the Skew-T tab.	The Skew-T is displayed.			
18.	Bring the Skew-T Controls menu to the front.	The Skew-T menu is accessible.			

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19.	Select User Select from the Lifting Method list in the Skew-T Controls window, and change to the pressure that the observation was launched at (can be found in the lower right-hand side in the second column. It is a number in MB), then click on Lift Parcel .	The values in the Skew-T Parameters window change to account for the lifting method chosen. Testers also have the ability to enter data in the User Select box. Note: The Use Fcst Max Temp radio button is only available when the Surface radio button is toggled on.			*If in the parcel section it says T=FCST, the Interactive Skew-T values will not match the values of the Skew-T that is displayed This step doesn't work as advertised. There's no launch psu on the lower right side.
20.	In the Skew-T Controls box, click the Wet-bulb Temp Profile .	The wet-bulb temp profile is added to the Skew-T.			
21.	Select the Reset Skew-T button in the Skew-T Controls window.	The Skew-T is reset to the original sounding values.			Currently resets both Skew-T and Hodograph values.
22.	Click on the Reset Hodo button from the Skew-T Controls window.	The Hodograph is reset to its original values.			Slice X There is no Reset Hodo. The 'Reset Skew-T' resets the Hodo as well.
23.	Select the X on the main Skew-T tab .	The Skew-T window is closed..			
24.	On the CAVE menu, click File -> Exit	CAVE closes.			

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This concludes the test case.					

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