

# Regression Testing FFMP Advanced

OB8.3

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Please put an obvious mark in the pass/fail/not sure column for each procedure you test. Provide any comments you wish. It is assumed that the tester knows enough about the application that he/she does not require a User's Guide on how to conduct various testing steps. If guidance is needed, obtain the User's Guide and refer to it.

<b>Date:</b>	
<b>Tester:</b>	
<b>System:</b>	

Pass	Fail	Not Sure	PROCEDURES
			<p>1) Load the FFMP Image / Basin Table combo. Make sure the Basin Table, Image, and Small Basin Map all appear. Also make sure the 'Ending Time' in the Table matches the legend time in the D2D frame</p> <p><b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>2)</b> Does the Basin Table contain valid data or a bunch of "NA"s or values obviously too large? If "M"s appear, or if a text message appears, stating no data, try step 3. If it fails, try step 5. If that fails, discontinue test and contact system support.  <b>Comments:</b></p>
			<p><b>3)</b> Change the 'Duration' (time frame). (If step 2 failed, select the value '0.50'.) The data in the table should reflect the change in Duration.  <b>Comments:</b></p>
			<p><b>4)</b> Select the 'Refresh D2D' button. The data displayed in the D2D should reflect the change in Duration. (Note – if the auto-refrsh toggle I son, the D2D refresh should happen immediately after the Duration change.)  <b>Comments:</b></p>
			<p><b>5)</b> Change the color thresholds of an attribute of your choice. The Basin Table should reflect that change. Also change the filter value and note that table excludes values 'below' that filter value.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p>6) Re-rank the table based on an attribute of your choice. The Basin Table should reflect that change. Note that the filter value might lead to a 'no data' situation, but a redefinition of the filter value can solve that.  <b>Comments:</b></p>
			<p>7) Turn Link to Frame on. Move back a frame in the D2D and ensure that the Basin Table changes accordingly, with the proper valid time. (Turn Link to Frame back off when done.)  <b>Comments:</b></p>
			<p>8) You should have started at the "County Layer" in the Basin Table. Zoom-and-recenter on a county of your choice (via the Basin Table, not the D2D). <i>(Note: All zooms, unless otherwise stated, are to be executed from the Basin Table, not the D2D.)</i> Make sure the D2D performs the zoom-and-recenter, placing an "X" in the D2D over the entity that was zoomed in on. The D2D should display according to the "Only Bains in Parent" and "Maintain Layer" configuration options. The Basin Table should display the data for the basins <b>within</b> that county, and the "Group" button (above the "Name" column) specifies the name of the county you selected.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p>9) Zoom-and-recenter on a <b>basin</b> of your choice. Make sure the D2D performs both the zoom and the recenter (with "X"), and the Basin Table fills the Investigation Row at the bottom of the table with the data for the basin of interest.  <b>Comments:</b></p>
			<p>10) Un-zoom all the way out from the basin, but retain the basin list in the Basin Table. (Left-click on the County Name label.) The 'Group Label' should be blank and the Basin Table contents back to the original layer.  <b>Comments:</b></p>
			<p>11) Change the "Only Basins in Parent" configuration option, and zoom in on the county again. You should see different behavior than what you saw in step 9 in the color image.  <b>Comments:</b></p>
			<p>12) Zoom back out and turn "Maintain Layer" on. Zoom in on another county. You should see no small basins, only counties, but zoomed in.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>13)</b> Zoom back out and repeat these last few Zoom Behavior steps for another layer of your choice. Perhaps try one of the HUC layers (4+) and also the all and only small basins layer.  <b>Comments:</b></p>
			<p><b>14)</b> Create a Basin Trend for a basin of your choice via the <b>Basin Table</b>. (The default interaction will be Basin Trend.)  <b>Comments:</b></p>
			<p><b>15)</b> Create a Basin Trend for a basin of your choice via the <b>D2D</b>. (Enable/Activate the FFMP Table Display extension then right-click on a basin.)  <b>Comments:</b></p>
			<p><b>16)</b> Create a Basin Trend for a VGB (Virtual Gage Basin). Note that the Basin Trend contains the extra plot – for the gage being compared.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>17)</b> Examine a Basin Trace for a basin of your choice from the <b>Basin Table</b>. (Switch from Basin Trend to one of the Basin Trace selections.)  <b>Comments:</b></p>
			<p><b>18)</b> Examine a Basin Trace for a basin of your choice via the <b>D2D</b>. (Enable/Activate the FFMP Table Display extension then right-click on a basin.)  <b>Comments:</b></p>
			<p><b>19)</b> Examine a Basin Trace for a VGB (Virtual Gage Basin). This should not produce a trace at all.  <b>Comments:</b></p>
			<p><b>20)</b> Return to a group (county) list in the Basin Table. Make sure the list in the Basin Table represents group data (not basin data), and the FFMP display in the D2D returns to a group view (zooms out).  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>21)</b> Choose a layer other than County or Small Basin layers (ie: One of the HUC referenced layers).  <b>Comments:</b></p>
			<p><b>22)</b> Turn the “Maintain Layer” button on, then zoom-and-recenter on a layer group of your choice. After zooming, you should <b>not</b> see the small basins, but should continue to see the layer chosen.  <b>Comments:</b></p>
			<p><b>23)</b> Zoom back out, turn Maintain Layer back off, and then turn “Only Basins in Parent” off. Now zoom-and-recenter on a layer group of your choice. You should see small basins for <b>all groups</b> in view – <b>not</b> just the group you selected.  <b>Comments:</b></p>
			<p><b>24)</b> Zoom back out, turn “Only Basins in Parent” back on, and choose the Small Basin layer. The D2D should show all small basins.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>25)</b> Zoom in and out, via the Basin Table or the D2D to ensure that you see small basins all of the time – never groups/layers.  <b>Comments:</b></p>
			<p><b>26)</b> Change the "Duration" and "Threshold Type" to something that is different than what is being displayed in the D2D then click the "Refresh D2D" button (if auto-refresh is off). The FFMP image in the D2D should update according to the changes you made in the basin Table.  <b>Comments:</b></p>
			<p><b>27)</b> After making several changes to various configuration parameters, save the configuration to a file, retrieve the default configuration, then retrieve the configuration you just saved. For each configuration change, the Basin Table should change to reflect the new configuration.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>28)</b> Occasionally check the FFTI button in Guardian to see that it is updating and seems to be updating accurately. <i>(Note: This will only work in a real-time situation, not a DRT session. If you are running a DRT session, skip this step.)</i>  <b>Comments:</b></p>
			<p><b>29)</b> Use the FFTI GUI (from FF in Guardian) to change the FFTI type and threshold (Left-click the FFTI button to bring up the FFTI selector GUI) of one set. Once the FFTI has been updated, sample the value of the FFTI button to see if the changes have been reflected appropriately (after a few minutes, allowing for a new data update).  <b>Comments:</b></p>
			<p><b>30)</b> As new data comes in, note that the data in the image, Basin Table, and trend (if existent) all update. Also note the timeliness of this update (compared to each other and compared to actual current time).  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p><b>31)</b> Create an additional one or two monitor sets in the FFTI GUI (time duration and attribute). Again, wait a volume scan or two and then sample the text in the FFTI to see that it is evaluating those extra two sets.  <b>Comments:</b></p>
			<p><b>32)</b> After changing the configuration significantly from the default, save it into a file. Re-load the default, then load your saved configuration to note that each import of configuration takes effect.  <b>Comments:</b></p>
			<p><b>33)</b> Run the Forced FFG GUI (ForcedFFG.tcl from the command line). Forced FFG for a chosen source, time duration, and entity (basin or county). Apply (and save) the value(s), then re-load FFMP in the D2D. The forced guidance should be orange' in the Basin Table.  <b>Comments:</b></p>

Pass	Fail	Not Sure	PROCEDURES
			<p>34) If time and opportunity allows</p> <ul style="list-style-type: none"> <li>• close the FFMP display</li> <li>• stop the FFMPprocessor</li> <li>• define a few VGBs to exclude from analysis (See User's Guide)</li> <li>• clear out old data</li> <li>• re-start the FFMPprocessor</li> <li>• After several volume scans, load FFMP into the D2D, ensuring the time duration is set so it properly reflects the amount of valid data</li> <li>• List all small basins in the Basin Table and ensure that those VGBs removed are not seen in the list.</li> </ul>

General Comments from the entire test: