

AWIPS OB3

DAB-HMM: New Functionality & Some Noticeable Bug Fixes

October 27, 2003

Task	Description
FFMP	<p><u>Worst County Display</u></p> <p>When calculating county values of rate, accumulation, FFG, ratio, and difference, there is an inherent logic problem that cannot be surmounted. Either the data displayed in the Basin table for counties will be mathematically sound or it will represent the actual 'worst' basin within that county. In the past, we chose mathematically sound. For OB3, we allow the user to choose.</p>
FFMP	<p><u>Forced FFG GUI</u></p> <p>In OB3, we have replaced the forcedFFG command line application with a full-blown graphical user interface. This ForcedFFG GUI will allow the user to easily provide custom FFG values to FFMP.</p>
FFMP	<p><u>Counties in multiple CWAs</u></p> <p>It was assumed that every county in the U.S. is situated in one and only one CWA. This assumption is false. In the past, FFMP would lose any county that straddled one or more CWAs. In OB3, those lost counties have been recovered.</p>
FFMP	<p><u>Localization dependencies improved</u></p> <p>The FFMP localization has continued to be streamlined. We have removed some dependencies to allow the FFMP localization to be 'broken' by fewer unexpected situations.</p>
FFMP	<p><u>Binless basins</u></p> <p>It was not supposed to be possible for a basin to be associated to no radar bins, but sure enough, it happens sometimes. In past version, this caused nasty problems that were hard to track down. For OB3, FFMP can handle a basin with no radar bin associations.</p>