

NWSTC

CHPS Job Sheets

A Supplemental Resource for the CHPS Calibration User Course

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Open a CHPS Calibration Session

Note: The CHPS Stand Alone must be configured for calibration. Contact the Configuration Focal Point if the application is not available.

STEP 1 Copy Import Files

Step	Action	Notes
1	Log into an AWIPS workstations using your username and password.	
1	Open an AWIPS terminal window.	
2	Navigate to the Import directory. <code>cd /awips/chps_share /sa/calb/xxrfc_calb/Import</code>	Note any missing QME, MAP, or MAT data.
3	Copy external files needed for the Import workflow. <code>cp backup/* cardfiles</code>	

STEP 2 Open CHPS

Step	Action	Notes
1	In a terminal window, navigate to the calibration Stand Alone directory. <code>cd /awips/chps_share/sa/calb</code>	
2	Type the following command: <code>./bin/fews.sh xxrfc_sa</code>	

STEP 3 Set Calibration Run End Time

Step	Action	Notes
1	Left or right click the System Time section in the IFD Status bar.	
2	*Put info here on setting system time	
3	Change the date by highlighting the date and using the up/down arrows or click the calendar to select a date.	

STEP 4 Set Calibration Run Start Date and Run the Calibration Workflow

Step	Action	Notes
1	Open the Forecasts tab.	
2	Click the Run Options button.	
3	Set the cold state run start time to the beginning of the calibration period.	For example, 10/01/1949
4	Click a segment to run the calibration workflow.	
5	Monitor the log window for errors.	

Manage XML Parameters

This method is for Continuous API, Lag-K, etc. Use Modifiers for SACSMA, SNOW-17, and Unit-HG.

Edit XML Parameters

Step	Action	Notes
1	Start the CHPS calibration Stand Alone from the command line.	
2	Navigate to the directory containing the files. <code>cd /awips/chps_share/sa/calb/xxrfc_sa/Config/ModuleParFiles/segment_directory</code>	
3	Make a copy of the existing file, for example, LAGK_DOWN_UPST_UpdateStates.xml. <code>cp LAGK_DOWN_UPST_UpdateStates.xml UpdateStates.xml_old</code>	
4	Open the new file for editing.	Use XML editing software for this step.
5	Edit the model parameters.	
6	Save the file.	
7	Click File ->Reload Configuration or click F5 to reload the configuration.	Refreshes the time series graph.

Revert to Previous Parameters

If dissatisfied with the parameter edits, revert to the previous version of the XML file.

Step	Action	Notes
1	Rename the older version (unedited) of the XML file to make it active. <code>cp UpdateStates.xml_old LAGK_DOWN_UPST_UpdateStates.xml</code>	
2	Save the file.	
3	Click File ->Reload Configuration or click F5 to reload the configuration.	

Manage Modifiers

Objectives: Create modifiers to edit calibration parameters for the SACSMA, UNIT-HG, and SNOW-17 models. Manage the modifiers to reduce the number of unused modifiers in the interface.

Create a New Modifier

Step	Action	Notes
1	Start the CHPS calibration Stand Alone from the command line.	
2	Select the icon (Map panel) or segment name (Forecast tab) corresponding to the desired forecast point.	
3	Click a modifier type button on the "Modifiers" GUI or select "Create Mod" and select one from the pull-down menu.	More options on the pull-down menu.
4	Type a name in the "Modifier Properties" box.	Optional.
6	From the list in the legend, left-click the time series you want to edit. The editable parameter turns blue in the legend.	
7	Left-click and scroll to adjust the time series of the parameter you wish to edit OR enter values directly in the table.	Modifying by clicking is the only available graphical editing option.
8	Click "Apply" to apply the modifier to the selected segment only OR click "Apply to" and choose segments by clicking in the boxes next to the segment name.	Click the "Undo Modifications" icon to abandon the changes.
9	Click "OK".	This applies the modifier.

Deactivate Modifiers

Step	Action	Notes
1	Locate the modifier in the list.	
2	Click the check mark in the "Active" column of the modifiers list.	

Delete Modifiers

Step	Action	Notes
1	Locate the modifier in the list.	
2	Click the red "X" in the "Delete" column of the modifiers list.	

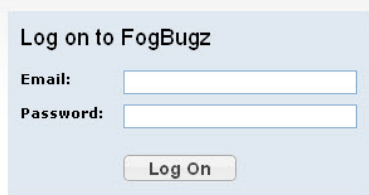
Copy Modifiers

Step	Action	Notes
1	Locate the modifier in the list.	
2	Click the paper icon in the "Copy" column of the modifiers list.	Nothing in the filename indicates this is a copy.

Report Problems on FogBugz

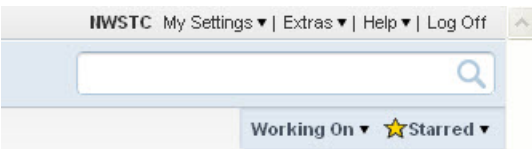
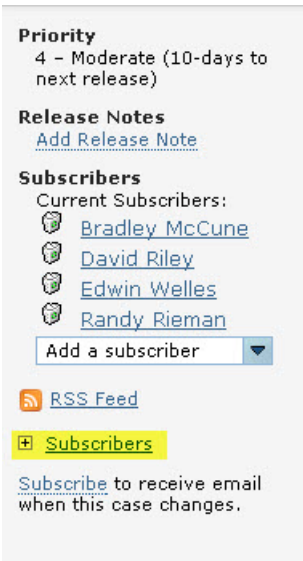
Objective: Resolve CHPS problems quickly by submitting a thorough FogBugz ticket. Report issues on the FogBugz web site, providing as much pertinent information as possible.

STEP 1 Log Into FogBugz

Step	Action	Notes
1	From an internet browser (not the browser within AWIPS), navigate to schuykill.nws.noaa.gov:7069 .	If the page does not load, send it again.
2	Log in using your RFC username and password. 	Box is in the upper right corner of the web site.

STEP 2 Search for Relevant Cases

Note: If you are using Internet Explorer, disable Compatibility View for full functionality.

Step	Action	Notes
1	Type a keyword associated with the topic/problem in the upper right search box. 	In search results, documents are listed first, then cases.
2	If you find a case, look through the status to see if it is still in progress or has been solved. Also, check the notes in the case.	
3	If you find a case similar to the one at your office and you want to track its progress, click the Subscribe button on the left side. You will receive emails about the case. 	

Step	Action	Notes
4	If the search yields no similar cases, add a case.	

STEP 3 Submit a New Case

Step	Action	Notes
1	Click New Case on the top navigation bar.	
2	Title your case the main topic of your problem.	A in figure below.
3	If you are entering a problem, select CHPS-bugz in the Project drop-down menu.	B in figure below.
4	Choose a category for the problem.	C in the figure below.
5	Select the area most related to the issue. In this case, calibration.	D in figure below.
6	Enter your name.	E in figure below.
7	Enter your RFC ID.	F in figure below.
8	Describe the issue thoroughly. Note where, when, how, what directories or files are involved, and how it is impacting your RFC.	G in figure below.
9	Make sure to include tags so it is easier to find in a search.	H in figure below.
10	Set a priority.	I in figure below. You also have the option to change the priority, add more users, and attach a file.
11	Click the OK button.	J in figure below.

